FINAL REPORT ON GEOPHYSICAL SURVEY AND DRILLING ON THE SILVER PROPERTY (SILVER 1,4,5,6,7 and 8) OMINECA MINING DIVISION NEAR BURNS LAKE, B.C. 9392-K-6/W

LOCATION:

The central part of the claim is located at coordinates 54°, 26 minutes N latitude, 125° 25 minutes W longitude, approximately 60 km northwest of Burns Lake, B.C.

WORK PERIOD

October 1, to December 31, 1984

## GEOLOGICAL BRANCH ASSESSMENT REPORT

January 10, 1985

B. Y. Kim Geologist New Westminster, B.C.

6

### TABLE OF CONTENTS

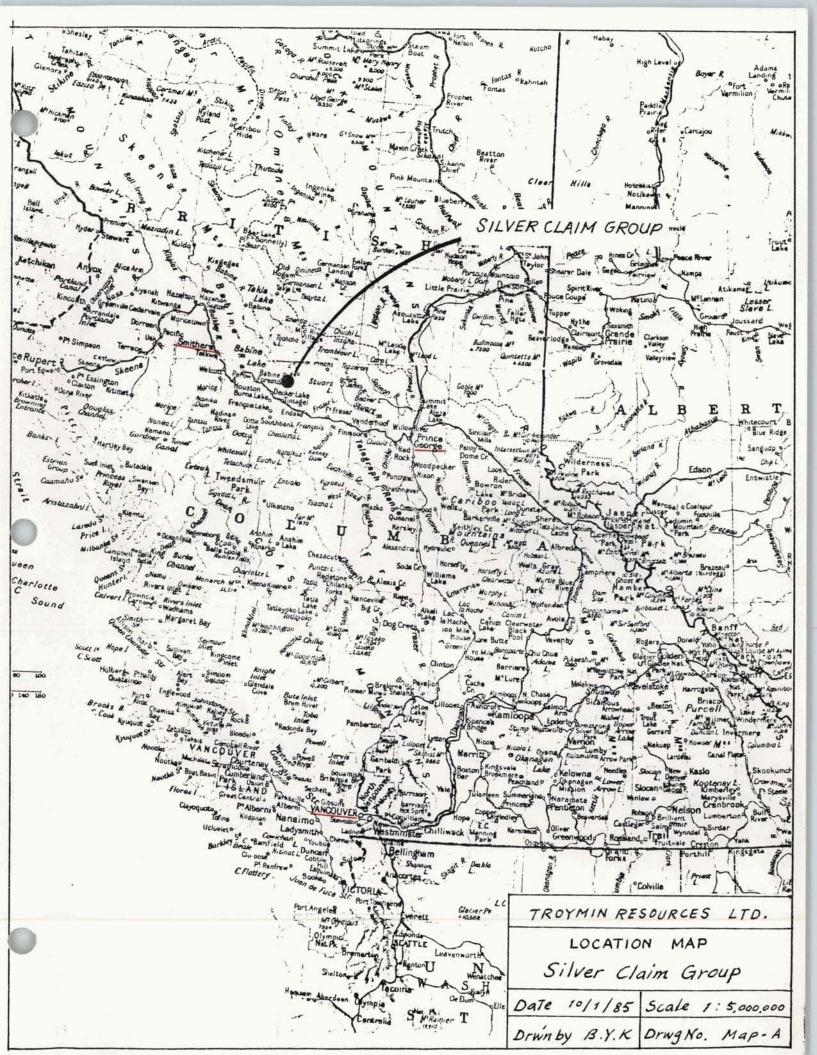
|          |  | PAGE            |
|----------|--|-----------------|
| I        | SUMMARY  | <b>1</b>        |
| II       | INTRODUCTION   |                 |
|          | <ul><li>i) Location, Access and Physiography</li><li>ii) Property Status</li><li>iii) History of Work Done</li></ul> | 1<br>2<br>2     |
| III      | GEOLOGY  | 3               |
|          | <ul><li>i) Lithology</li><li>ii) Structure and Metamorphism</li><li>iii) Mineralization</li></ul>                    | 3<br>4<br>5     |
| IV       | GEOPHYSICS   | 6               |
| V        | DRILLING   | 6               |
| VI       | CONCLUSION   | 6               |
| VII      | REFERENCE  | 8               |
| ILLUSTRA | TIONS  |                 |
|          | Location Map   | Facing Page 1   |
|          | Index Map  | Facing Page l   |
|          | Plan Showing Geophysical Anomalies &<br>Drill Sites  | MAP-l In Pocket |

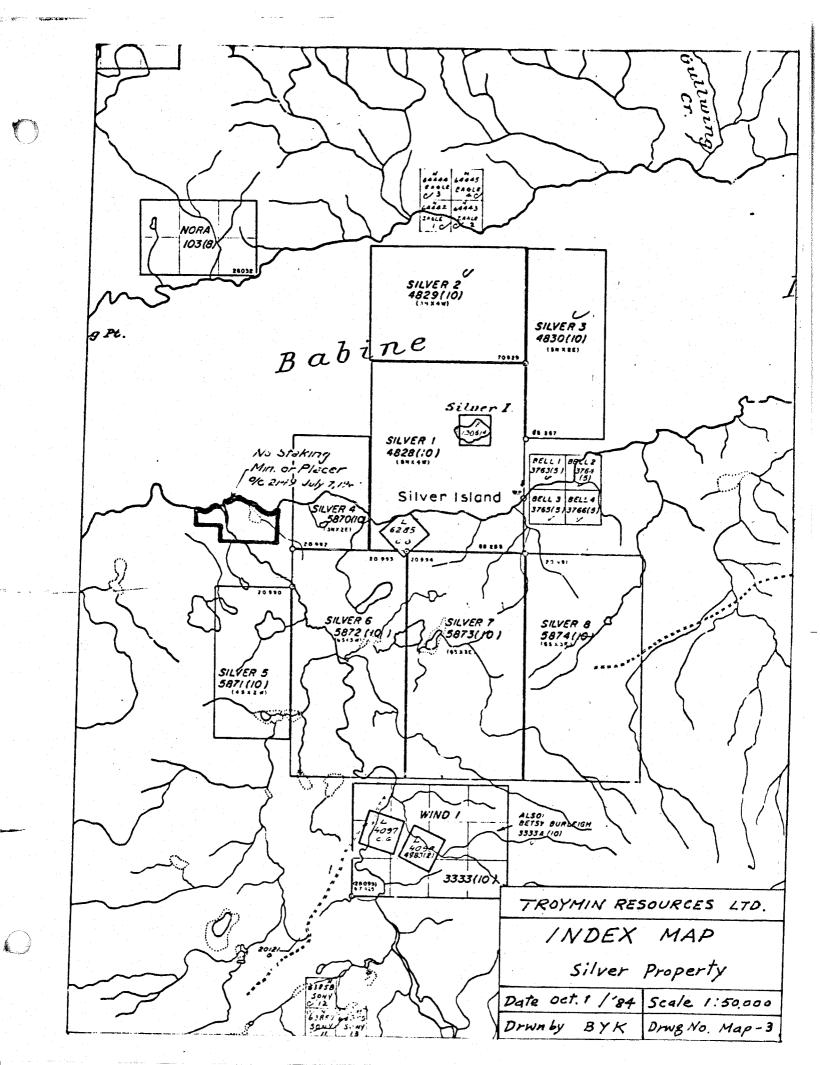
APPENDICES

Geophysical Sections

| Statement of Expenditure | I   |
|--------------------------|-----|
| Certificate of Writers   | II  |
| Drill Hole Sections      | III |
| Drill Logs               | IV  |

MAP-2 In Pocket





#### SUMMARY

- i) The 1984 prospecting program on the Silver claim group consisted of a geophysical survey (VLF EM survey) and diamond drilling (6 holes 3,458 ft. in total).
- ii) The geophysical survey revealed numerous northeast trending anomalies.
- iii) Six of the highest grade anomalies were drilled, all at a -50° angle and to an average depth of 580 ft., with no significant mineralization being encountered.
- iv) One of the most interesting anomalies, under the lake near Silver Island, could not be drilled because there was no ice.

### II INTRODUCTION

The Silver claim group, located approximately 60 km northeast of Burns Lake, B.C. consists of six original M.G.S. claims (88 units in total) which were staked in October 1983.

The 1984 program conducted on the Silver claims was initiated as a result of a reconnaissance EM survey carried out in March 1984. The survey located a number of significant anomalies in the drift-covered area. A detailed EM survey was, therefore, carried out and was followed by a drilling program during December of 1984.

i) Location, Access and Physiography

The Silver claim group is situated at coordinates 50°26' N latitude, 125°25' W longitude (N.T.S. 92K/6W) in Omineca Mining Division, B.C. The claims are located around Silver Island, a small island in the southern part of Babine Lake, and immediately south of the island on the mainland. (Map 3)

Ι

The area is easily accessible by any motor vehicle from Burns Lake. The driving distance is approximately 60 km on gravel road which is well maintained by Federal Fisheries Pinkut Creek Hatchery.

The claims are centred on the south shore of Babine Lake in an area of gentle relief with many small lakes and swamps. Vegetation consists mainly of immature pine, spruce and aspen with moderate underbrush.

### ii) Property Status

The original property consists of six M.G.S. claims (88 units in total) that were staked and recorded in October 1983. (Map-3).

| Claim Name | No. of Units | Record No. | Record Date  |
|------------|--------------|------------|--------------|
|            |              |            |              |
| Silver l   | 20           | 4828 (10)  | October 1983 |
| Silver 4   | 6            | 5870 (10)  | October 1983 |
| Silver 5   | 8            | 5871 (10)  | October 1983 |
| Silver 6   | 18           | 5872 (10)  | October 1983 |
| Silver 7   | 18           | 5873 (10)  | October 1983 |
| Silver 8   | 18           | 5874 (10)  | October 1983 |

iii) History of Work Done

Although the area had been staked many times, there is no record of prospecting activities. A few small trenches have been noticed near the southern shore of the Babine Lake.

The objective of Troymin Resources Ltd.'s 1984 program was to define the nature of widespread geophysical anomalies detected by the government airborne magnetometer survey and a subsequent reconnaissance EM survey.

During Oct. 1 - Dec. 31, 1984, Troymin Resources Ltd. conducted an exploration program which consisted of:

Ground EM survey - a detailed survey of the central part of the claim block, approximately
 2.5 x 3.5 Km.

- 3 -

ii) Diamond drilling of 3.458 ft. (1054<sup>M</sup>) in six holes.

#### III GEOLOGY

Most of the claim area is underlain by regionally metamorphosed volcanic rocks and minor clastic sediments belonging to Late Paleozoic Cache Creek group and minor intrusive rock on the southeastern corner of the claim area. The intrusive rock belongs to Topley intrusions probably of pre-Jurassic and post-Permian age (J.E. Armstrong 1965).

Since the central area of claim group is extensively covered by drift, no geological study could have been done. More than 3,000 ft. of drill core from the present work furnished the valuable geological information which is described below.

The metamorphosed rock consists largely of greenschist originating from an andesitic volcanic unit and composite gneiss with variable degrees of metamorphism. The degree of metamorphism is spatially associated with the intimate intrusion of various igneous bodies. This contact type metamorphism is considered to be a succeeding episode of the regional greenschist phase.

### 1) Lithology

The following lithological units are established from distinctive rock types seen in the drill core.

i) Greenschist - Schist (Paraschist)

In handspecimen from the drill core the greenschist is gray to dark greenish gray, mostly fine grained, foliated andesitic rock. Texture, grain size and degree of foliation are all quite variable. In extreme the rock appears to be just massive andesite but usually well foliated chloritic greenschist with local concentration of epidote.

### ii) Diorite

The southeastern corner of the claim block has been mapped as diorite (J.E. Armstrong 1965). The diorite drill core is predominantly coarse grained, idiomorphic to hypidiomorphic textures. The principal minerals are hornblende ( $\pm$  40%) and plagioclase ( $\pm$  50%). The zonal change of the diorite is so severe and abrupt that its appearance is locally pegmatitic. This unit appears to be post-metamorphism since no obvious foliation has been developed.

### iii) Orthogneiss (Granodiorite-Diorite dykes and sills)

Felsic igneous rocks with gneissic textures ranging from a biotite gneiss to a weakly foliated leucocratic dyke are quite common throughout the drill core. These orthogneisses are so intimately and frequently intercalated in the gradational contact with greenschist unit that a more detailed classification is difficult.

### iv) Basic Dyke

A late stage basic dyke occurs in DDH 84-5. It is a fine grained dark gray lamprophyritic dyke with porphyritic texture. Fine, sparse hornblende phenocrysts are scattered in fine to aphanetic dark gray groundmass. This occurrence might be related to the above diorite intrusion, possibly as a small off-shoot of the body.

#### ii) Structure and Metamorphism

The most prominent topographical lineation trends northeasterly to easterly. Most of the geophysical (electromagnetic) anomalies coincide with these trends. Previous regional study on glaciation (J.E. Armstrong) indicates the trend is the same for glacial movement. Bedrock exposures are entirely lacking for local structural study. A prominent fault structure has been disclosed by drilling (DDH 84-4). The hole has penetrated a major broken and gouged zone with a drilling width of 120 M. This wide fault zone contains abundant fragments of various size which was reconsolidated with multiplestage quartz-calcite veining. It is not clear whether this structural feature also trends northeasterly coinciding with the surface lineation.

Metamorphism is shown by a variable assemblage of metamorphic minerals and development of foliation. Principally there are two lithological units of metamorphic rock.

| i) | Greenschist | - | Schist | <br>Amphibolit | e |
|----|-------------|---|--------|----------------|---|
|    |             |   |        |                |   |

ii) Gneiss (orthogneiss)

These two different types are mainly predetermined by the type of original rocks.

Regional metamorphism, prevailing over all types of rock in the drill core except diorite and basic dyke, is generally weak and greenschist phase. In addition to this regional metamorphism, some greenschists exhibit contact type metamorphism in their relation with the diorite bodies of the Topley intrusion. The contact metamorphism which is observed in DDH 84-1 and 84-2 is locally demonstrated with strong clusters of epidote and minor magnetite.

#### iii) Mineralization

Pyrite is the only common metallic mineral in the drill core. Local concentration of pyrite associated with epidote-magnetite in contact metamorphic environment were noticed and sampled for assay, but results were not encouraging.

A few specks of chalcopyrite, tetrahedrite and molybdenite were recognized in the drill core.

- 5 -

### IV GEOPHYSICS

Approximately 90 line Km were surveyed using a Phoenix VLF(2) EM. Most of the survey stations were established on chain-saw cut line and readings were taken every 50 M for initial survey. More detailed surveys were carried out for the selection of drill targets. (Map - 1 and 2) Geophysical work is described in a separate report by James M.L. Brown.

### V. DRILLING

The six most highest grade anomalies, based on the EM survey, were drilled with -50° angle holes down to depths of 440 to 600 ft. (Map-3, Figures 2-8) The drilling contract was awarded to Coates Enterprise Ltd. which company completed 3,458 ft. of drilling during the period of Dec. 4 - Dec. 29, 1984.

The work procedure was as follows:

| Hole No. | Total I | Depth                   | Date | Sta | rted | Date | Com | oleted |
|----------|---------|-------------------------|------|-----|------|------|-----|--------|
| DDH 84-1 |         | .(168.86 <sup>M</sup> ) | Dec. | 4,  | 1984 | Dec. | 7,  | 1984   |
| 2        |         | (175.57 <sup>M</sup> )  | Dec. | 7,  | 1984 | Dec. | 10, | 1984   |
| 4        |         | (169.47 <sup>M</sup> )  | Dec. | 10, | 1984 | Dec. | 13, | 1984   |
| <b>.</b> | 601     | (183.19 <sup>M</sup> )  | Dec. | 14, | 1984 | Dec. | 19, | 1984   |
|          |         | (178.61 <sup>M</sup> )  | Dec. | 20, | 1984 | Dec. | 24, | 1984   |
| 5        | 585     | (178.00 <sup>M</sup> )  | Dec. | 24, | 1984 | Dec. | 29, | 1984   |

The widespread minor pyrite in regionally metamorphosed rock along with local magnetite-pyrite in contact metamorphic environment is considered the cause of anomalies. The prominent fault zone disclosed in DDH 84-4 may also be the source of anomalies. (Map 2, Appendix - Drilling log)

### VI CONCLUSION

 The 1984 program on the Silver property delineated a large number of geophysical (EM) anomalies trending northeast.

- ii) Drilling at six selected sites verified the regional and contact metamorphism but gained no encouragement in metallic mineralization.
- iii) The geophysical anomalies were not completely tested. Various types of anomalies with higher intensity have been drilled with negative results, but there are at least 9 other significant anomalies left to drill as well as the anomaly extending out from Silver Island.

1

### VII <u>REFERENCE</u>

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1

(1) Armstrong, J.E. (1965)
Fort St. John Map-Area G.S.C. Memoir 252

### STATEMENT OF EXPENDITURES

(Project on Silver claims - 1984)

| Drilling                 |        |  | \$ 66,552.11 |
|--------------------------|--------|--|--------------|
| Transportation and Truck | Rental |  | 3,500.00     |
| Geological Supervision   |        |  | 4,500.00     |
| Room and Board           |        |  | 1,800.00     |
| Assays                   |        |  | 970.00       |
|                          |        |  |              |

TOTAL

\$ 77,322.11

I certify the above expenditure to be a true and accurate account of expenses incurred.

Dated on October 27, 1984

Boo Joung Kim Boo Young Kim, Geologist

### CERTIFICATE

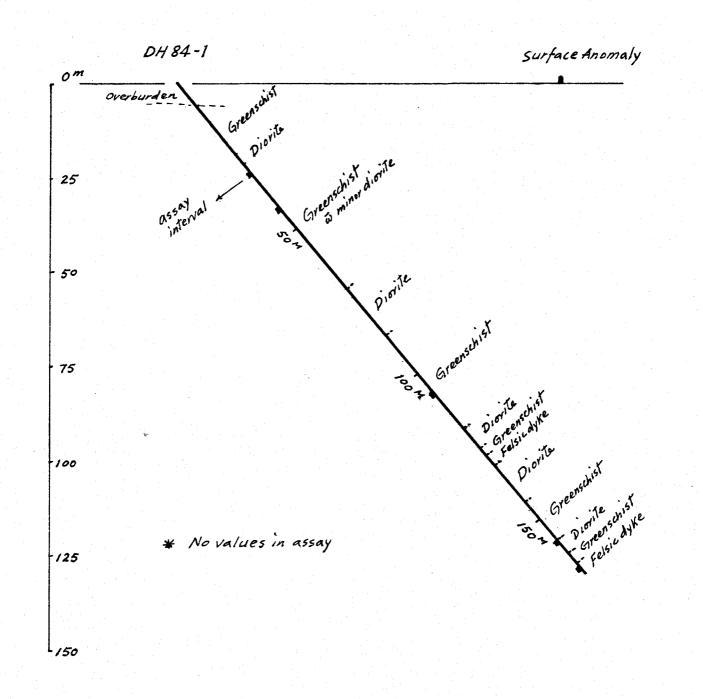
I, Boo Young Kim, of the City of New Westminster, in the Province of British Columbia, certifies as follows:

- That I am a geologist, residing at 222 Ash Street, New Westminster, B.C.
- 2. That I have practised my profession continuously since graduating in 1964 with B.Sc. in Geology from Seoul National University in Seoul, Korea.
- 3. That I have continuously engaged in mining exploration work in Canada, U.S.A. and Spain-Portugal, for the past nineteen years.
- That I have no interest in the property herein described.

DATED at New Westminster, British Columbia, this  $28^{th}$  day of January 1985.

Boo Young Kim

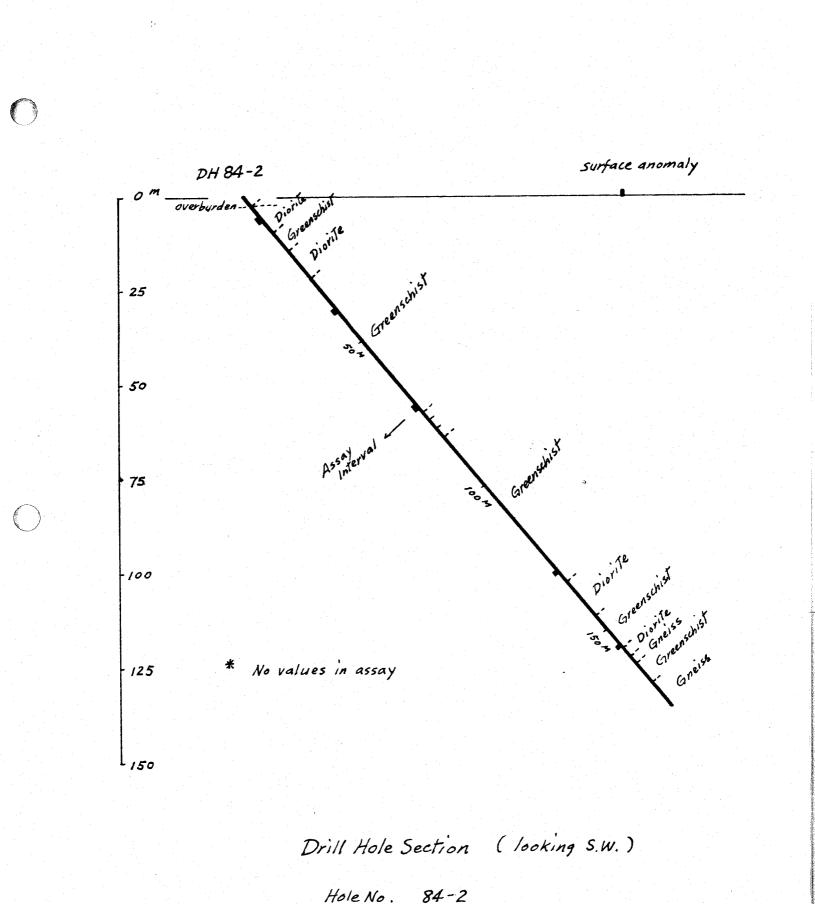
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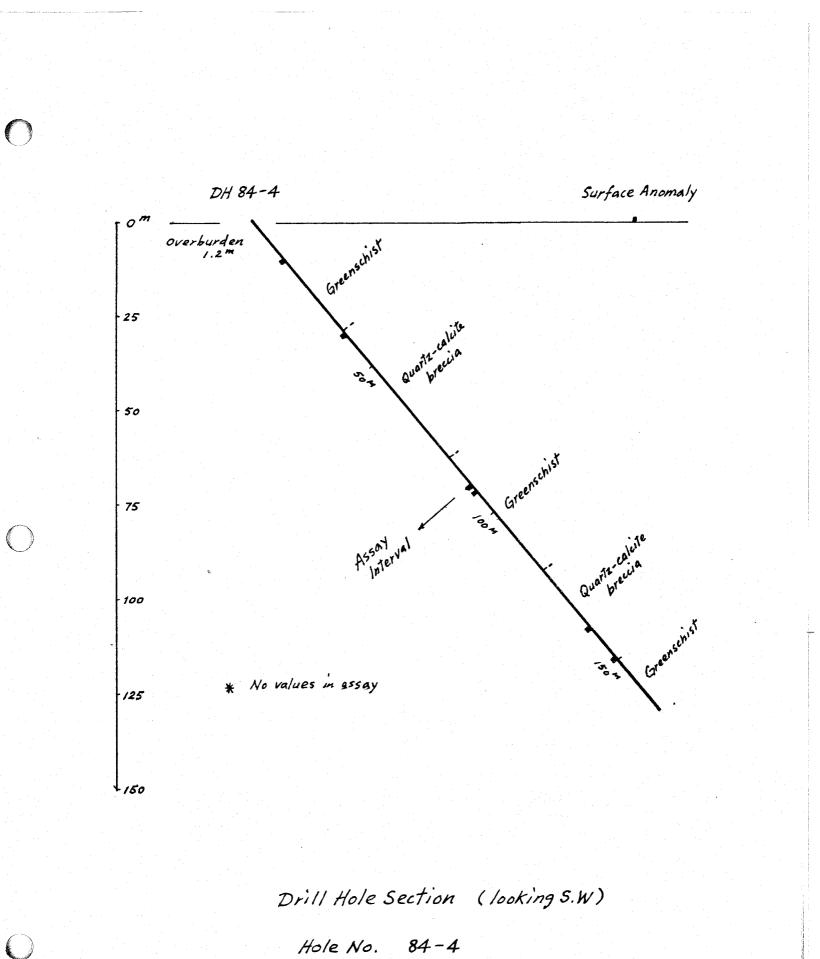
Drill Hole Section (looking S.W)

Hole No. 84-1 Direction N45°W Angle -50° Depth 168.86 M

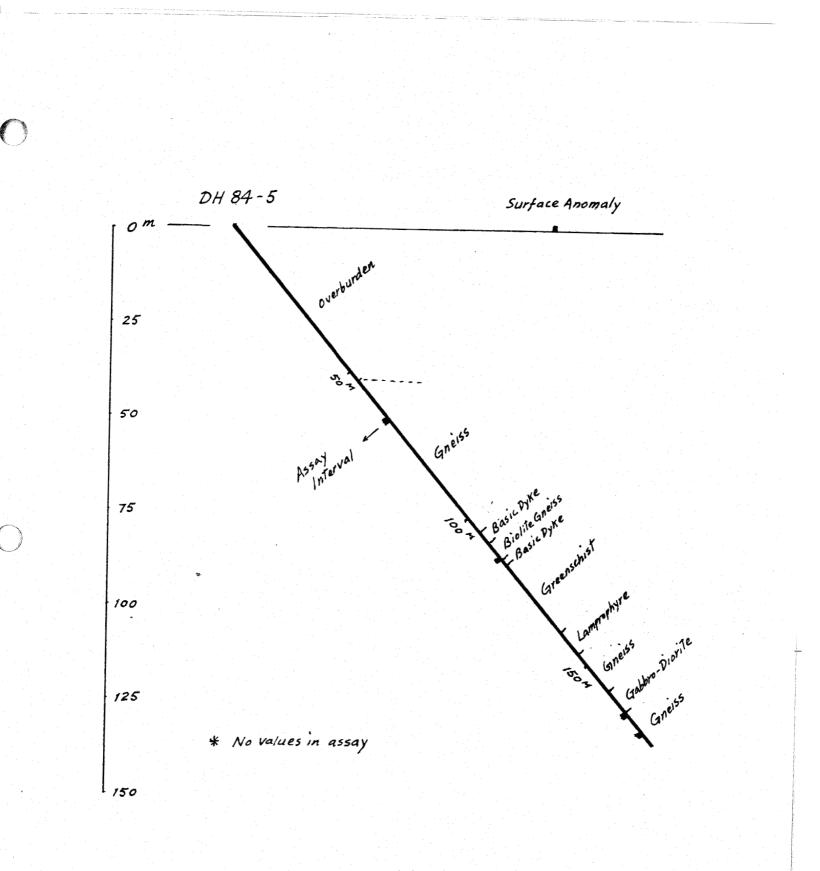
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Hole No. 84-2 Direction N 45°W Angle -50° Depth 175,57 M

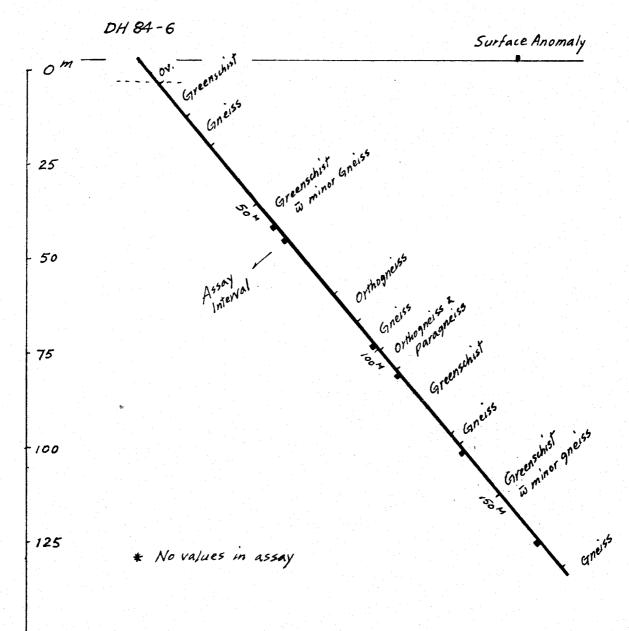


Hole No. 84-4 Direction N45°W Angle -50° Depth 169.47<sup>M</sup>



Drill Hole Section (looking S.W)

Hole No. 84-5 Direction N45°W Angle -50° Depth 178.00<sup>M</sup>

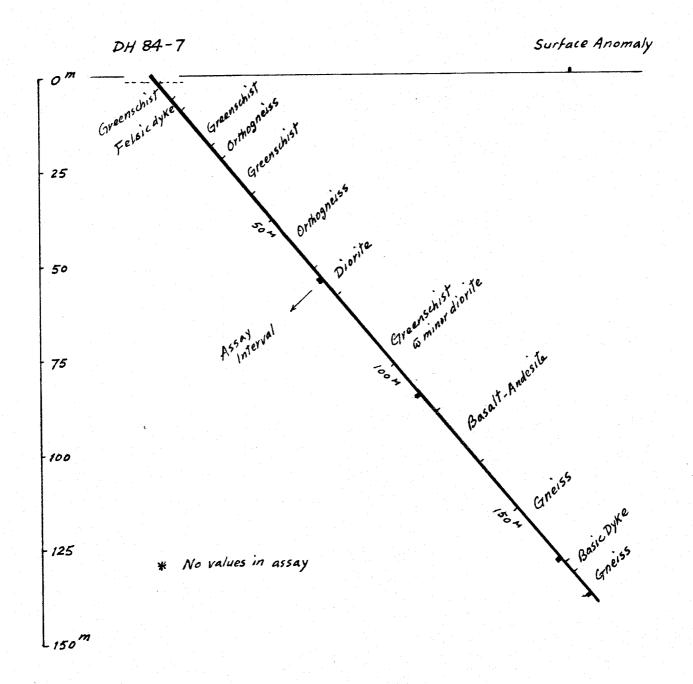


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Drill Hole Section (looking S.W.)

Hole No. 84-6 Direction N45°W Angle -50° Depth 178.61<sup>M</sup>



Drill Hole Section (looking S.W.)

Hole No. 84-7 Direction N45°W Angle -50° Depth 183,19<sup>M</sup>

LOCATION: BURNS Lake B.C.

MINING DIVISION Smineca

CLAIM Silver

HOLE NO:  $\beta 4 - 1$  ANGLE: -50° DIRECTION: N 45° W DEPTH: 168.86 M GRID NO: CO-ORDINATES: 1460 S + 2380 E DATE STARTED: Dec. 4 1984 FINISHED: Dec. 7 1984 LOGGED BY: B. Y. Kind DRILLED BY: D.W. Coates Enterprises Lod.

| DEPTH |      |   |  |
|-------|------|---|--|
| FROM  | то   | DESCRIPTION OF CORE                             |  |
| D     | 9.5  | Dverburden                                      |  |
| 9.5   | 25,3 | Greenschist                                     |  |
|       |      | Gray to dank greenish gray, fine grained,       |  |
|       |      | Variably foliated andesitic greenschist with    |  |
|       |      | abundant chlorite, Minor epidate patches and    |  |
|       |      | fractures. Variable in texture, grain size      |  |
|       |      | and frequent alternating change. Besides        |  |
|       |      | pervasive chlorite-epidote, many types of       |  |
|       |      | stockwork-like veinlets & stringers with        |  |
|       |      |   |  |
|       |      | minor alteration envelope (epidote - chlorite - |  |
|       | 4    | calcité - quantz) purite content is minor.      |  |
|       |      | Oxidation is only restricted on fracture faces  |  |
|       |      | with usual hematite staining.                   |  |
|       |      |   |  |
|       |      | 9.45-14.78 Andesitic greenschist with frequ     |  |
|       |      | nt short intervals of coarse to fine grained,   |  |
|       |      | gray to dark greenish gray diorite, Usual       |  |
|       |      | criss-crossing veinlets of 45 to core axis      |  |
|       |      |   |  |
|       |      | 14.78 - 15,12 Quartz vein, milky white, barren  |  |
|       |      |   |  |
|       |      | 15,12 - 18.59 AndesiTic greenschist             |  |
|       |      | 18,57-25.30 Brokenzone, reconsolidated with     |  |
|       |      |   |  |

|                 | DIAMOND DRILL LOG   |  |
|-----------------|---|--|
| CLAIM           | LOCATION  |  |
| MINING DIVISION |   |  |
| HOLE NO:        | ANGLE: DIRECTION:   |  |
| DEPTH           | GRID No: CO-ORDINATES:  |  |
| DATE STARTED:   | FINISHED: LOGGED BY:  |  |
| DRILLED BY:     |   |  |
| DEPTH           | DESCRIPTION OF CORE   |  |
| FROM TO         |   |  |
| 25.30 28.04     | quartz-calcite veinlets (minor breccia texture)<br>Slip faces are usual, Rare sulphide (pyrite)<br>Diorite<br>Coarse idiomorphic with abundant large formblend<br>(giving breccia appearance) pequatitie due to<br>sharp zonal change with large hornblende and<br>quartz-feldspar. |  |
| 28,04 31.24     | Greenschist   |  |
|                 | Same as above greenschist, Broken & weakly<br>brecciated with late stage quarty veining<br>Local heavy sulphide (pyrite) fingers concorde   |  |

70 schistocity
31,24 39.32 Greenschist & Diorite
Near-contact alternating zone of the above two
types of rock . Local massive pyritic fingers .
Occasional guartz-felsitic dykes & veins
Minor breccia texture due to large crystals in
diorite with criss-crossing guartz vein .
39.32 41.91 Greenschist

Greenschist Similar to above andesitic greenschist . Locally

| CLAIM           | LOCATI    | ION           |  |
|-----------------|-----------|---------------|--|
| MINING DIVISION |           |               |  |
| HOLE NO:        | ANGLE:    | DIRECTION     |  |
| DEPTH           | GRID No:  | CO-ORDINATES: |  |
| DATE STARTED:   | FINISHED: | LOGGED BY:    |  |
| DRILLED BY:     |           |               |  |

| DEPTH       | DESCRIPTION OF CORE                                 |
|-------------|---|
| FROM TO     |   |
|             | Well-foliated (± 60° to core axis). Fractures.      |
|             |   |
|             | of calcite-chlorite cross-cutting The foliation,    |
|             |   |
| 41.91 61.57 | τ   |
|             | Massive core with abundant epidole-chlorite, loca   |
|             | brecciated (Tectonic breccia), Occasional heavy ma; |
|             | netite blebs (48.00 M of hole depth) associated is  |
|             | epidote. Contact metamorphic environment is         |
|             | prevailing  |
|             | Usual large enhedral homblende in diovitic for      |
|             | Minor massive pyritic fingers along with weak       |
|             |   |
|             | pervasive dissemination                             |
|             | (sampled for assay 42,37-43.59)                     |
|             |   |
| 61.57 70.26 | Greenschist   |
|             | Same as the above greenschist.                      |
|             | Well-foliated, 20-30° to core axis. Frequent        |
|             | mjected ann of disritie rock. Abundant hair         |
|             | line to 1 cm epidote fractures.                     |
|             |   |
| 70,26 87,48 | Dioritz   |
|             |   |
|             | Similar to above diovite, abundant epidote on       |
|             | fractures.  |
|             |   |

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| CLAIM           |           | LOCATION:     |  |
|-----------------|-----------|---------------|--|
| MINING DIVISION |           |               |  |
| HOLE NO:        | ANGLE     | DIRECTION:    |  |
| DEPTH           | GRID No:  | CO-ORDINATES: |  |
| DATE STARTED:   | FINISHED: | LOGGED BY:    |  |
| DRILLED BY:     |           |               |  |

| DEPTH        |  |  |  |
|--------------|--|--|--|
| FROM TO      | DESCRIPTION OF CORE  |  |  |
|              | Very coarse to pegmatitic section at 71.32,<br>77.12 - 78.33.<br>Near - vertical (to core axis) vueggy guartz at 77. |  |  |
|              | Near-vertical calcite fracture and drusy calcile   |  |  |
|              | with this envelope of hematile at 79.55-79.8   |  |  |
|              | Finer grained 79.86 - 87.48, Poorly defined  |  |  |
|              | zonal change.  |  |  |
| 87,48 119,74 | Greenschist  |  |  |
|              | Fine grained to aphanetic, andesitic, Locally  |  |  |
|              | broken due to abundant slip faces of calcite -<br>chlorite-hematite, Pyrite content is minor excep                   |  |  |
|              | fair amount (less Than 1%) of large cubes<br>114-119.94 M. Foliation weak, ± 60° To co.                              |  |  |
|              | axis, Occasional quarts-aplite vein  |  |  |
|              | Black apphanetic dense basalt-andesite 32.92.  |  |  |
|              | 33.71 M  |  |  |
|              | Near-horizontal (to core axis) calcite-epidote   |  |  |
|              | with associated pyrite stringers 106.38 - 107.90<br>(sampled for assay)  |  |  |

|                                      |             |        | DIAMOND         | DRILL LOG          |                       |
|--------------------------------------|-------------|--------|-----------------|--------------------|-----------------------|
| CLAIM<br>MINING DIVISION<br>HOLE NO: |             |        | LOCATIO         | DN:                |                       |
|                                      |             | SION   |                 |                    |                       |
|                                      |             |        | ANGLE:          | DIRECTION:         |                       |
|                                      | DEPTH       |        | GRID No:        | CO-ORDINATES:      |                       |
|                                      | DATE STARTE | D:     | FINISHED:       | LOGGED BY:         |                       |
|                                      | DRILLED BY: |        |                 |                    |                       |
|                                      | DE          | PTH    |                 | ESCRIPTION OF CORE |                       |
|                                      | FROM        | то     |                 |                    |                       |
|                                      | 119.94      | 125.58 | Diorite         |                    |                       |
|                                      |             |        | Same as above   | coarse diovite,    |                       |
|                                      |             |        | Consisting most | ty of hornblende   | (weakly chloritized)  |
|                                      |             |        | ,               | I with strong frac |                       |
|                                      |             |        |                 | •                  | ous contact (intru-   |
|                                      |             |        | •               |                    | liorite at 125,58 M   |
|                                      |             |        |                 |                    | te content is minor   |
|                                      |             |        |                 | ng at 399,5 M.     | a content 10 million  |
|                                      |             |        |                 |                    |                       |
|                                      | 125.58      | 127,71 | Greenschist     |                    |                       |
|                                      |             |        | Fine grained    | andesitie, stron   | eg epidote - chlorite |

with minor late-stage calcite fractures. Parite content is minor occurring as dissemination and on fractures with epidote.

127.71 131.37

Felsic dyke Light pinkish white, mostly of feldspar (minou K-spar) and minor quantz. Usual calcite fractures and minor pyrite on fractures. Very minor magnetite.

131,37 135,8

Greenschist Similar to above greenschist at 125.58 - 127.71 M.

0

| CLAIM |                 | LOCAT     | ION:          |  |
|-------|-----------------|-----------|---------------|--|
|       | MINING DIVISION |           |               |  |
|       | HOLE No:        | ANGLE     | DIRECTION.    |  |
|       | DEPTH           | GRID No:  | CO-ORDINATES: |  |
|       | DATE STARTED:   | FINISHED: | LOGGED BY:    |  |
|       | DRILLED BY:     |           |               |  |

|        | DE   | EPTH  |  |
|--------|------|-------|--|
| F      | ROM  | то    | DESCRIPTION OF CORE                                  |
|        |      |       | Stronger (than ever) magnetile fracture with epidole |
|        |      |       | (contact metamorphism) Pyrite content is very        |
|        |      |       | minor  |
| ,      |      |       |  |
|        |      | ,     |  |
| 13     | 35.8 | 136.7 | Felsic dyne  |
|        |      |       | Same as above dyke at 127.71-131.37 M                |
| 2      |      |       |  |
| 3 1 12 | 367  | 144.0 | Diorite  |
|        | .,,  |       |  |
|        |      |       | Similar to above diorite;                            |
|        |      |       | Textures very variable, strong epidote - chlorite    |
|        |      |       | throughout.  |
|        |      |       | Gradational contact (assimilated) to darker green    |
|        |      |       |  |
|        |      |       | chist. Very minor pyrile.                            |
|        |      |       |  |
|        |      |       | A speck of molyldenite in coarse grained ( regmat    |
|        |      |       | lic) zone at 458 ft (139.6 M)                        |
|        |      |       |  |
| 14     | 4.0  | 157.2 | Greenschist  |
|        |      |       |  |
|        |      |       | Similar to above greenschust.                        |
|        |      |       |  |
|        |      |       | 145.70 - 14.7.52: broken and weakly gauged           |
|        |      |       | (core recovery ± 70 %)                               |
|        |      |       |  |
|        |      |       | Poorly defined antitic date way 1195 - 150 M         |
|        | 1    |       | Poorly defined aplitic date vein 149.5 - 150 M       |

|                  | DIAMOND DRILL LOG                                    |
|------------------|--|
| CLAIM            | LOCATION   |
| MINING DIVISION  |  |
| HOLE NO.         | ANGLE: DIRECTION:                                    |
| DEPTH            | GRID No: CO-ORDINATES:                               |
| DATE STARTED:    | FINISHED: LOGGED BY:                                 |
| DRILLED BY:      |  |
|                  |  |
| DEPTH<br>FROM TO | DESCRIPTION OF CORE                                  |
| 157,2 162,2      | Diorite  |
|                  | Hornblende-rich, more uniformly granular than        |
|                  | above occurrences. Usual epidote fractures mostly    |
|                  | 70-90 to core axis.                                  |
|                  | Short broken zone with fault gouge at 161.1 M        |
|                  |  |
| 162.2 166.0      | Greenschist  |
|                  | Similar to above schist (greenschist), Slightly      |
|                  | danker with strong chlorite-epidote, very minor      |
|                  | pyrite.  |
|                  |  |
| 166.0 168.86     | Dyke (Gneissic granodiorite - diorite)               |
|                  | Gray white, fine to medium grained with gneissic     |
|                  | textures, Occasional dark-colored inclusions         |
|                  | of greenschist.                                      |
|                  | Obviously different from the above homblende-        |
|                  | rich diorite   |
|                  | Weak fracture-controlled alteration where more       |
|                  | broken   |
|                  |  |
|                  | Steeply-dipping ( 1 20° to core axis) quartz-calcite |
|                  | Veining is usual. Prite content is minor and         |
|                  | insignificant.                                       |

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CLAIM Silver LOCATION: Bains Lake, B.C. MINING DIVISION Ominieca. HOLE NO: 84-2 ANGLE: -50° DIRECTION: N45°W DEPTH: 175,57<sup>M</sup> GRID NO: CO-ORDINATES: 1670 S + 1970 E DATE STARTED: Dec. 7 1984 FINISHED: Dec. 10 1984 LOGGED BY: B.Y. KIMU DRILLED BY: D.W. COATES EATES prises Ltd.

| DEPTH  |       | DESCRIPTION OF CORE                                  |
|--------|-------|--|
| FROM   | то    |  |
| 0      | 3.10  | Overburden   |
| 3.10 M | 5.60  | Diorite  |
|        |       | gray to dank greenish gray, granular homblende       |
|        |       | diorite, Variable in grain size and texture.         |
|        |       | Abundant enhedral to subhedral hornblende up to      |
|        |       | 3 cm long. Poorly defined assimilated contact        |
|        |       | with frequent dyrie swarm and occasional             |
|        | -     | inclusions. Abundant magnetite disseminations        |
|        |       | and local heavy magnetite Lands associated with      |
|        |       | epidote fractures, Pyrite content is minor and       |
|        |       | insignificant.                                       |
|        |       | Oxidation is minor, restricted on fracture faces     |
|        |       | down to 19.50 m                                      |
|        |       |  |
|        |       | A near-vertical (to core axis) quarty-calcite vein   |
|        |       | makes The sharp contact with underlying greenschi-   |
|        |       | st.  |
|        |       |  |
| 5.60   | 10.30 | Greenschist  |
|        |       | Greenish gray, foliated, andesitic with variable.    |
|        |       | Texture. The variation is mainly due to intrusion    |
|        |       | of dioritie dykie. Strong chlorite - epidote throug- |
|        |       | hout, Thin carbonate-hematite fractures.             |

|                 | DIAMOND DRILL LOG                                  |
|-----------------|--|
| CLAIM           | LOCATION   |
| MINING DIVISION |  |
| HOLE NO         | ANGLE: DIRECTION:                                  |
| DEPTH           | GRID No: CO-ORDINATES:                             |
| DATE STARTED:   | FINISHED: LOGGED BY:                               |
| DRILLED BY:     |  |
| DEPTH           | DESCRIPTION OF CORE                                |
|                 | A leb of tetrahedrite at 7.3 m (sampled for assay) |
|                 | associated with felsic dyke.                       |
|                 |  |
|                 | Broken core with frequent oxidized slip faces      |
|                 | with carbonate coating.                            |
|                 | Felsic dyke swarm at 7.70-8.40, 8.8 & 10,3 M       |
|                 | 1 21210 ryne swarm at 1.10-8.40, 010 010,0         |
| 10,30 13.60     | Diorite  |
|                 | Same as above diorite (3.1-5.6 M). Frequent        |
|                 | flat-lying (to core axis) epidote fractures with   |
|                 | magnetite envelope, Minor pyrite as dissemination  |
|                 | and on fracture faces,                             |
| 13.60 19.50     | Greenschist  |
|                 | Well-foliated, dark greenish gray to light gray,   |
|                 | Abundant carbonate fractures cross-cutting the     |
|                 |  |

banded texture black-green slipped fractures due to crushed carbonate-chlorite with minor smeared sulphide (pyrite)

0 19.50 29.30 Diorite

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Same as above divite, locally very coarse idiomorphic hornblende gives a treccia appearance.

|                  | DIAMOND DRILL LOG                                      |
|------------------|--|
| CLAIM            | LOCATION   |
| MINING DIVISION  |  |
| HOLE NO:         | ANGLE: DIRECTION:                                      |
| DEPTH            | GRID No: CO-ORDINATES:                                 |
| DATE STARTED:    | FINISHED: LOGGED BY:                                   |
| DRILLED BY:      |  |
| DEPTH<br>FROM TO | DESCRIPTION OF CORE                                    |
|                  | A few specks of tetrahedrite on felsic vein around     |
|                  | The lower contact. Only insignificant pyrite in        |
|                  | minor amount.  |
| 27.30 74.7       | o Greenschist  |
|                  | Light gray to gray, mostly foliated, variable from     |
|                  | massive and esitic to well-banded gneissic, Emerssic   |
|                  | section may be originated from sedimentary unit        |
|                  | Weakly broken due to dark-colored slip faces,          |
|                  | Criss-crossing quartz and for calcite veinlets         |
|                  | are usual.   |
|                  | Very minor disseminated pyrite with only occasional    |
|                  | pyrite-rich bandings (sampled 38.58 -                  |
|                  | 40.08 4)   |
|                  |  |
|                  | Fine grained epidote-rich sharp greenish gray andesite |
|                  | greenschist (40,10 - 50,50 M)                          |
|                  | Well-developed gneissocity from 50.5 M, Usual alter-   |

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nating core between gray queissic type and chlorite-epidote-rich massive greenish type.

A near-vertical calcile vein (3<sup>cm</sup> thick) with horsetails carring dank crushed and slipped pyrite envelope at 73<sup>m</sup>.

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| CLAIM            | LOCATION              |            |
|------------------|-----------------------|------------|
| MINING DIVISION  |                       |            |
| HOLE NO:         | ANGLE: DIRECTION:     |            |
| DEPTH            | GRID NO: CO-ORDINATES | 5:<br>     |
| DATE STARTED:    | FINISHED:             | LOGGED BY: |
| DRILLED BY       |                       |            |
| DEPTH<br>FROM TO | DESCRIPTION C         | OF CORE    |
| 74.7 770         | Folsic duke (aulita)  |            |

77.0 79.6 Greenschist Similar to above, mixture of the above two Zypes andesitie and gneissic, Weakly foliated, gray To dark greenish gray. Strong epidote and minor disseminated pyrite. 79.6 83.5 Dirrite Not so coarse grained as above diorites. Broken at 82.30 M with minor calcite breecia, Pyrite is very minor.

Slightly pinkish white with very minor crushed pyrite

on steeply-dipping (to core axis) slipped frac-

83.5 133.7 Greenschist Light gray to gray, foliated with frequent quartsaplitic vein or dyke, locally broken and altered to greenish tinted clay Insignificant & rare pyrite. 10 CM black chert intercalated at 86.72. Quartz - aplitic veins at 85.04 - 86.26, 88.09 - 88.39 90.22 - 90.83 , 103.63 and many small occurrences .

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| CLAIM           | LOCAT    | ON:           |  |
|-----------------|----------|---------------|--|
| MINING DIVISION |          |               |  |
| HOLE No:        | ANGLE:   | DIRECTION:    |  |
| DEPTH           | GRID No: | CO-ORDINATES: |  |
| DATE STARTED:   | FINISHED | LOGGED BY:    |  |
| DRILLED BY:     |          |               |  |

| DEPTH   |  |
|---------|--|
| FROM TO | DESCRIPTION OF CORE  |
|         | Sections which are originated from sedimentary<br>unit show less pyrite than andesitic schist or   |
|         | gnéissie diorite.  |
|         | Stronger epidote 96.01-98.76, Granilie dyke<br>Swarm around 106 & 107.5 M  |
|         | 3 cm gouge at 108.2 M, Soft (light green in  |
|         | color) chlorite-carbonate with flat-lying banded   |
|         | texture.   |
|         | Sharp foot-wall contact with andesite schist,  |
|         | contact 80 to core axis.   |
|         | Fine grained apple-green greenschist 110.03 -  |
|         | 116.43, more pyrite Than usual Granilie  |
|         |  |
|         | The above contacts   |
|         | Below 116.43 dark gray greensehist predominant   |
|         | Variable in texture, content of epidote à calcite  |
|         | Veining. Minor desseminated pyrde with rare  |
|         |  |
|         | color) chlorite-carbonate with flat-lying bande<br>texture<br>Sharp foot-wall contact with andesite schist,<br>contact 80° to core axis.<br>Fine grained apple-green greenschist 110.03 -<br>116.43, more pyrite than usual Granitic<br>dyke at 110.34 & 116.43 <sup>M</sup> , coinciding with<br>the above contacts<br>Below 116.43 dark gray greenschist predomini-<br>variable in texture, content of epidote 2 cal |

| CLAIM<br>MINING DIVISION<br>HOLE No: |          |                       | LOCATION                           |                        |
|--------------------------------------|----------|-----------------------|------------------------------------|------------------------|
|                                      |          | ANGLE:                | DIRECTION:                         |                        |
| DEPTH                                | <b>.</b> | GRID No:<br>FINISHED: | CO-ORDINATES:                      |                        |
| DATE STARTED                         | J:       | FINISHED:             | LUGGED BY:                         |                        |
| DEPTH<br>FROM TO                     |          |                       | DESCRIPTION OF CORE                |                        |
|                                      |          | Granitic<br>ped 9     | e dyke 124.05-125.27<br>neissocity | , showing well-develo- |

Occasional short interval of felsic bands down to 131.06 M, probably associated with the above granitic dyke.

Minor pyrite-rich banding at 130.15 M.

Random-oriented calcite veining usual, some are near-vertical (to core axis) and well-defined.

Distinctive pyrite cubes on footwall contact of a well-defined quartz vein Overall pyrite content is minor and insignificant, much less than 1% in volume.

133.66 146.30

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Diorite Partially assimilated inclusions of dank-colored andesitic schist, Variable Textures. Abundant hornblende (70%), pervasively and weakly chloritized (locally strong) Abundant epidote on fractures. Pyrite content

| CLAIM           |  | LOCATIO  | DN:          |            |      |  |
|-----------------|--|----------|--------------|------------|------|--|
| MINING DIVISION |  |          |              |            |      |  |
|                 |  |          |              |            |      |  |
| HOLE No:        | ANGLE  | :        | DIRECTION:   |            |      |  |
| DEPTH           | GRID No:                                     |          | CO-ORDINATE  | S:         |      |  |
| DATE STARTED:   |  | FINISHED |              | LOGGED BY: |      |  |
| DRILLED BY:     |  |          |              |            |      |  |
| DEPTH           | <u>ı                                    </u> | ום       | ESCRIPTION ( | OF CORE    | <br> |  |
| FROM            | то   |          |              |            |      |  |
|                 |  |          |              |            |      |  |

13 minor .

145.2 - 145.9 M quarts-feldspar (felsitic) Vein with trainline cracks, barren and containing inclusions of disrite . Greenschist & Diorite Dark greenish gray, fine grained greenschist in frequent contact with the above diorite . pyrite content is very minor.

Gneissic 147,98 -148.74 with gneissouity 60 -70° to core axis ,

Breccia texture due to assimilated by minor dyke 147,98 - 152,10 M. Quartz-feldspar (pegmatitic) vein 154.99 -155.75 M with minor pyrite and a few speaks of chalcopyrite .

156,52 158,80 Diorite

) 146.30 156.52

Similar to above diorite at the top of hole . Hornblende-rich, Wide variation in grain size

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| CLAIM         |          |           | LOCATION   |
|---------------|----------|-----------|--|
|               |          |           |  |
| MINING DIVIS  | ION      |           |  |
| HOLE NO:      |          | ANGLE     | DIRECTION:   |
| DEPTH         |          | GRID No:  | CO-ORDINATES:  |
| DATE STARTE   | <b>:</b> | FINISHE   | D: LOGGED BY:  |
| DRILLED BY:   |          |           |  |
| DE            | етн      |           |  |
| FROM          | то       |           | DESCRIPTION OF CORE  |
|               | -        | textur    | e & degree of assimilation, Weak foliation   |
|               |          |           | ninov amount of pyrite, Epidote fractures a  |
|               |          | Commo     |  |
|               |          |           |  |
| 158.80        | 161.54   | Greenschi | 31   |
|               |          |           | dark gray - greenish gray and esitie greens  |
|               |          |           | leak foliation, Usual epidote & local ca   |
|               |          |           | factures. Minor insignificant pyrite   |
|               | -9-<br>- |           |  |
| 161,54        | 167.34   | Gneiss    |  |
|               |          |           | gray, well foliated (60° to core axis)   |
|               |          |           | colored inclusion near the bottom contact  |
|               |          |           | To be originated from felsic dyke roc  |
|               |          |           | aplitic sections, Rare and insignif  |
|               |          | pyrit     |  |
|               |          | 0.01      |  |
| 167.34        | 168.25   | Greensch  | ist in the second s |
| * <i>E</i> \$ |          |           | as above greenschist at 158.80 -161.54   |
|               |          |           | ately intruded by felsic dykes. Only   |
|               |          |           | occasional pyrite.   |
|               |          | Very      |  |
| 168,25        | 16901    | Grneiss   |  |
| 100,-0        | 1-1.1    | Unerss    |  |

| CLAIM           | LOCATION: |               |       |  |
|-----------------|-----------|---------------|-------|--|
| MINING DIVISION |           |               |       |  |
| HOLE NO:        | ANGLE: DI | RECTION:      |       |  |
| DEPTH           | GRID No:  | CO-ORDINATES: |       |  |
| DATE STARTED:   | FINISHED: | LOGGED        | ) BY: |  |
| DRILLED BY:     |           |               |       |  |

| DEPTH                                   |        |  |  |
|---|--------|--|--|
| FROM                                    | то     | DESCRIPTION OF CORE                              |  |
| 169.01                                  | 171,30 | Diorite & minor greenschist                      |  |
|   |        | Variable type of rock, change is gradational and |  |
|   |        | obsecure due to intimate intrusion and metamor-  |  |
|   |        | phism.   |  |
| 171.30                                  | 173,28 | Gneiss   |  |
|   |        | Same as the above gneiss                         |  |
| 173,28                                  | 175,57 | Gneiss (low grade composite gneiss)              |  |
|   |        | Mixed section of the above 3 types of low grade  |  |
|   |        | metamorphic rock. Rare pyrite.                   |  |
|   |        |  |  |
|   |        |  |  |
|   |        |  |  |
|   |        |  |  |
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|   |        |  |  |
|   |        |  |  |
|   |        |  |  |
| (1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1, |        |  |  |

CLAIM Silver LOCATION: Burns Lake, B.C. MINING DIVISION OMINECA HOLE NO: 84-4 ANGLE: -50° DIRECTION: N 45°W DEPTH: 169.47 M GRID NO: - CO-ORDINATES: 14805+870E DATE STARTED: Dec. 10 1984. FINISHED: Dec. 13 1984 LOGGED BY: B.Y. KIM DRILLED BY: D.W. COATES ENTERPRISES LOD.

| · - | DEPTH     |       | DESCRIPTION OF CORE                                   |
|-----|-----------|-------|---|
| -   | FROM      | то    |   |
|     | 0         | 1.22  | Overburden  |
|     | 1,22      | 38.41 | Greenschist   |
|     |           |       | Greenish gray to dark greenish gray, fine grained     |
|     |           |       | Well-foliated greenschist with abundant crisscross    |
|     |           |       | caleite fractures, mostly made up of alteration       |
|     |           |       | Chlorite-calcite. Occasional quantz veining of        |
|     |           | 5     | variable thickness, mostly concordant to              |
|     |           |       | foliation (foliations 50 - 70° to core axis)          |
|     |           |       | Oxidation is minor, only fracture-limited down to     |
|     |           |       | 10.67 m Very weak oxidized staining around 22,5 m     |
|     |           |       | of the hole depth. Pyrite occurrence is very minor.   |
|     |           |       | -throughout.  |
|     |           |       | Hematite staining as this envelope of calcite vein    |
|     |           |       | is common around 13,7 m                               |
|     |           |       | Frequent and irregular alternation of rock type.      |
|     |           |       | Non-foliated section 12.19 - 13.81 m due to apparetic |
|     |           |       | massive andesitic greenschist                         |
| >   | e<br>Sete |       | strong greissocity 15.09-20.59 apparaintly of         |
|     |           |       | intrusive origin.                                     |
|     |           | · .   |   |

|                  | DIAMOND DRILL LOG                                     |
|------------------|---|
| CLAIM            | LOCATION:   |
| MINING DIVISION  |   |
| HOLE NO: 84 - 4  | ANGLE: DIRECTION:                                     |
| DEPTH            | GRID No: CO-ORDINATES:                                |
| DATE STARTED:    | FINISHED: LOGGED BY:                                  |
| DRILLED BY:      |   |
| DEPTH<br>FROM TO | DESCRIPTION OF CORE                                   |
|                  | Non-foliated, massive section 20,57 - 27.13 with      |
|                  | abundant crisscressing carbonates and occusional      |
|                  | quantz veins & minor vuggy texture.                   |
|                  | Pyrite content is very minor, very occasional         |
|                  | Cluster and large cubes on fracture faces.            |
|                  |   |
| 6                | Thinnly foliated with strong near-ventical ( to core  |
|                  | axis) carbonate fractures and quarty verns.           |
|                  | occasional aplitic or pegmatitic bands.               |
|                  | Leucocratic gneiss 31.70 - 32.31, probably of         |
|                  | felsie dyke origin bearing fair quartz with vaggy     |
|                  | texture. Pyrite is minor on fractures, Quartz         |
|                  | itself is barren.                                     |
|                  | Increased veining and alteration with well-develop-   |
|                  | ed foliation. Near the lower contact with             |
|                  | breccia the foliation is almost vertical ( to core    |
|                  | axis)   |
| 38.41 82.30      | Quartz-carbonate breccia                              |
|                  | Multiple-staged quartz-calcite veining with partially |
|                  | assimilated angular ~ rounded fragments of            |
|                  |   |

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| CLAIM           |          | LOCATION      |
|-----------------|----------|---------------|
| MINING DIVISION |          |               |
| HOLE NO: 84 -   | 4 ANGLE: | DIRECTION:    |
| DEPTH           | GRID No: | CO-ORDINATES: |
| DATE STARTED:   | FINISHED | LOGGED BY:    |
| DRILLED BY:     |          |               |

| DEPTH |    |   |  |  |
|-------|----|---|--|--|
| FROM  | то | DESCRIPTION OF CORE   |  |  |
|       |    | darker greenschist. The fragments altered variably                        |  |  |
|       |    | Stock-work-like quartz veins are cracked and                              |  |  |
|       |    | Vugged with meandering and straight new quan                              |  |  |
|       |    | and for carbonate veining.  |  |  |
|       |    | White to dark greenish gray depending on alterna                          |  |  |
|       |    | intensity and amount of fragment. Quartz an                               |  |  |
|       |    | carbonate (as matrix material) are apparantly                             |  |  |
|       | 7  | barren while fragments contain a little pyrite                            |  |  |
|       |    | mostly as dissemination but total amount of                               |  |  |
|       |    | pyrite is nowhere near 1% in volume.                                      |  |  |
|       |    | Greenish gray fault gouge 50.75 - 51.05                                   |  |  |
|       |    | Brecciation weakening below the above gouge zone                          |  |  |
|       |    | due to weaker quartz veining and more frequent                            |  |  |
|       |    | larger fragments (?) of andesitic greenschist                             |  |  |
|       |    | Disseminated pyrite showing weathering halo (limo                         |  |  |
|       |    | te) and occasional minor spotty stain of oxidat.<br>on slipped fractures. |  |  |
|       |    |   |  |  |
|       |    | 74.68 ~ 77.27 " large fragments of andesitie                              |  |  |
|       |    | greenschist with minor (compared with quants                              |  |  |
|       |    | breecia) quartz-carbonate veins,  |  |  |
|       |    |   |  |  |

| CLAIM            | LOCATION               |           |
|------------------|------------------------|-----------|
| MINING DIVISION  |                        |           |
| HOLE NO: 84-4    | ANGLE: DIRECTION:      |           |
| DEPTH            | GRID No: CO-ORDINATES: |           |
| DATE STARTED:    | FINISHED:              | DGGED BY: |
| DRILLED BY:      |                        |           |
| DEPTH<br>FROM TO | DESCRIPTION OF         | CORE      |

Frayments at 62.94 - 63.98 " assimilated by quarts flooding show pervasive phyllic alteration Occasional but persistent minor oxidation staining

on fracture faces particularly on vuggy quarts openings.

Weaker breccia texture - gradational change from 82.30 <sup>M</sup>. Breccia appearance mostly due to strong criss-crossing calcite-quartz veining with occasional quartz lumps.

Quartz and/or calcite have been introduced into broken zone, resulting to wide zone of breccia. Briginal rock type in the broken can be distinguished Greenschist

Andesitic with strong quartz-carbonate veining Principally same as above quartz-carbonate breccia, just decreased amount of introduced quartz-carbonate. host rock representing as predominant fragments show original textures. Still strong quartz-carbonate breccia locally.

82.30 121.31

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|               |        | DIAMOND DRILL LOG   |       |
|---------------|--------|---|-------|
| CLAIM         |        | LOCATION  |       |
| MINING DIVISI | ON     |   |       |
| HOLE NO: 8    | 4-4    | ANGLE: DIRECTION:   |       |
| DEPTH         |        | GRID No: CO-ORDINATES:                                      |       |
| DATE STARTED  | :<br>: | FINISHED: LOGGED BY:  |       |
| DRILLED BY:   |        |   |       |
| DEF           |        | DESCRIPTION OF CORE   |       |
| FROM          | то     | Assay samples #3 (90.23-91.45) & #4                         |       |
|               |        | (91.75 - 93.26) have fair amount of pyrite on<br>fractures. |       |
|               |        | Weathering stains on fractures are not uncommon             | ۴,    |
|               |        | local spotty blemish of weathering probably from            | 2     |
|               |        | oxidized pyrite dissemination                               |       |
| 121.31        | 151.49 | Breccia (Quartz-carbonate breccia)                          |       |
|               |        | Gradual change from above greenschist, just                 |       |
|               |        | improved breccia texture due To increased amount            |       |
|               |        | of quarty-carbonate veining. Pyrite is very                 |       |
|               |        | minor, only carried by dark-colored fragment                | 15    |
|               |        | 125.43 - 129.08 strong breccia texture with                 |       |
|               |        | absorbed and rounded fragments in white fels.               | ic    |
|               |        | matrix. Minor pyrite in fragments but no Py                 | irite |

in matrix material

8

Well-defined contact (20° to core axis) at 129.08 with light gray fine grained felsic dyke rock.

Changing gradually To green colored, with weaker

|   | CLAIM            |          | LO        | CATION:       |            |  |
|---|------------------|----------|-----------|---------------|------------|--|
|   | MINING DIVISION  |          |           |               |            |  |
|   | HOLE NO: 84 -4   | ANGLE:   |           | DIRECTION:    |            |  |
| • | DEPTH            | GRID No: |           | CO-ORDINATE   | S:         |  |
|   | DATE STARTED     |          | FINISHED: |               | LOGGED BY: |  |
|   | DRILLED BY:      |          |           |               |            |  |
|   | DEPTH<br>FROM TO | -        |           | DESCRIPTION ( | OF CORE    |  |

breeciation .

Breccia texture improves gradually from 136,25 M along with silicification (?)

Small vuggy druse quartz is usual from 138.38 stronger silicification down to depth.

Oxidized fragments at 144.48 M

Foliated greenschist 148.44 - 149.66 with abundant concordant felsic veining & crisscrossing calciles quartz veins.

Kubbly core at lower contact 151.49 M with minor oxidation on fractures.

151.49 169.47

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Greenschist

Dark greenish gray, fine to medium-grained andesitic greenschirt with strong epidote as dissemination & heavy bandings. Gneissic textures in massive lighter colored section. Pyrite content is minor ( << 1%), Very occasional heavy pyrite

| CLAIM           | and the second second | LOCATION:  |            |  |
|-----------------|-----------------------|------------|------------|--|
| MINING DIVISION |                       |            |            |  |
| HOLE NO: 84 - 4 | ANGLE                 | DIRECTION. |            |  |
| DEPTH           | GRID No:              | CO-ORDIN   | ATES:      |  |
| DATE STARTED:   | FINISHE               | ED:        | LOGGED BY: |  |
| DRILLED BY      |                       |            |            |  |

|      | PTH | DESCRIPTION OF CORE  |  |  |  |
|------|-----|----------------------|--|--|--|
| FROM | то  |                      |  |  |  |
|      |     | cluster on fracture. |  |  |  |
|      |     |                      |  |  |  |
|      |     |                      |  |  |  |
|      |     |                      |  |  |  |
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|      |     |                      |  |  |  |
|      |     |                      |  |  |  |
|      |     |                      |  |  |  |

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|              |           | DIAMOND DRILL LOG   |
|--------------|-----------|---|
|              | ilver     | LOCATION: BUINS Lake, B.C.  |
| MINING DIVIS | sion Oin. | ineca   |
| HOLE NO: 8   | 4-5       | ANGLE: $-50^{\circ}$ DIRECTION: $N45^{\circ}W$  |
| DEPTH: 17    | 18.0 M    | GRID NO: CO-ORDINATES: 840 S + 70 E   |
| DATE STARTE  | Dec 2     | 51984 FINISHED: Dec. 29 1984 LOGGED BY: 13. Y. Kim  |
| DRILLED BY:  | D. W. 0   | Coates Enterprises Ltd.   |
| DE           | PTH       | DESCRIPTION OF CORE   |
| FROM         | то        |   |
| 0            | 53.04     | Overburden  |
|              |           |   |
| 53.04        | 105,16    | Gneiss  |
|              |           | Gray white to gray, fine grained with well-developed  |
|              |           | foliation (10-35° queissocity to coreaxis)  |
|              |           | Variable textures & colors indicating complex origin  |
|              |           | for metamorphism (Composite gneiss), Occasional   |
|              | τ.        | inclusions of dark gray fine grained andesitic rock   |
|              |           | (less foliated or massive) and minor felsic dyke  |
|              |           | or sill.  |
|              |           | Rare pyrite occurring as disseminations & on slipped  |
|              |           | Fractures.<br>Generally solid and with very painty black.   |
|              |           | Generally solid core with very minor blocky,<br>broken section due to chlorite-calcite slips, minor |
|              |           | magnetite & hematite tint on the slipped fracture.  |
|              |           | Aplitic or pegmatitic section with sparse poorly-lineated   |
|              |           | chloritized matic 55.63 - 58.23 M   |
|              |           | 20 cm and esitic inclusion within the above aplitic section<br>at 57.15 M.                          |
|              |           | Non-foliated dark gray andesitic inclusion (?) at<br>61.11-61.72 M                                  |

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|             |      | DIAMO               | NO DRIEL LOG   |
|-------------|------|---------------------|--|
| CLAIM       |      |                     | LOCATION:  |
| MINING DIVI | SION |                     |  |
| HOLE NO:    |      | ANGLE               | DIRECTION:   |
| DEPTH       |      | GRID No:            | CO-ORDINATES:  |
| DATE STARTE | D:   | FINISHED:           | LOGGED BY:   |
| DRILLED BY: |      |                     |  |
| DI          | EPTH | DESCRIPTION OF CORE |  |
| FROM        | то   |                     | DESCRIPTION OF CORE  |
|             |      | Rubbly &            | blocky core 65,84 - 67,67 M  |
|             |      | Coriginate          | 1 irregular alternation between leucogneiss<br>of from felsic dyke or sill) and darker biolit<br>Pyrite content is minor and insignificant |

gneiss. Pyrite content is minor and insignificant Dark slip faces with weak hematite tint, minor distinct cubes of pyrite associated with the slips at 75.29<sup>M</sup> Original rock type of biotite gneiss is obsecure due to strong metamorphism ( partly due to assimilation prior to metamorphism ?)

Dark-colored small inclusions are abundant 95.71-100.89, which are only partially altered (both by assimilation & metamorphism)

Partially assimilated granitic inclusions, showing no definite foliation 104.24

A narrow aplitic dyke or sill with slicken-sided and brecciated banding with sharp chlorite-epidote matrix and hematite staining at 103.63<sup>M</sup>.

| CLAIM           |          | LOCATION: |              |            |  |
|-----------------|----------|-----------|--------------|------------|--|
| MINING DIVISION |          |           |              |            |  |
| HOLE NO:        | ANGLE:   |           | DIRECTION:   |            |  |
| DEPTH           | GRID No: |           | CO-ORDINATES |            |  |
| DATE STARTED:   | Fil      | NISHED:   |              | LOGGED BY: |  |

DRILLED BY:

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| DI       | EPTH             |   |
|----------|------------------|---|
| FROM     | то               | DESCRIPTION OF CORE                                   |
| 105,16   | 109.12<br>109.12 | Basic dyke  |
|          |                  | Dark greenish gray, fine grained chlorite-rich        |
|          |                  | andesite with frequent occurrence of granitic         |
|          |                  | dyke swarm and lor inclusion) massive with            |
|          |                  | no définite foliation.                                |
|          |                  | Kare pyrite as fine specks of dissemination.          |
|          | M                |   |
| ) 109.12 | 114.61           | Biotite gneiss  |
|          |                  | Light gray, thinnly foliated (70-So" to core axis)    |
|          |                  | with aplitic or pagmatitic dyke swarm. locally strong |
|          |                  | epidote both on fracture faces and as distemination   |
|          |                  | Minor magnetile associated with it.                   |
|          |                  | Very minor specks of pyrite.                          |
|          |                  |   |
|          |                  | Alternating zone with aplitic dyke 112.78-113.6       |
| 114.61   | M<br>116,43      | Basic dyke  |
|          |                  | Same as above dyke at 105.16 - 109.12 M               |
| 116.43   | 138.23           | Greenschist   |
|          |                  | Dark greenish gray to dark gray with local strong     |
|          |                  | foliation (steeply-dipping to core axis)              |
|          |                  | Frequent aplitic or pegmatitic dyke intercalated with |
|          |                  |   |

| CLAIM           |          | LOCATION: |            |     |  |
|-----------------|----------|-----------|------------|-----|--|
| MINING DIVISION |          |           |            |     |  |
| HOLE No:        | ANGLE:   | DIREC     | TION:      |     |  |
| DEPTH           | GRID No: | со-       | ORDINATES: |     |  |
| DATE STARTED:   | FINISF   | 1ED:      | LOGGED     | BY: |  |
| DRILLED BY:     |          |           |            |     |  |

|                  | DE    | ЕРТН   |  |
|------------------|-------|--------|--|
|                  | FROM  | то     | DESCRIPTION OF CORE  |
|                  |       |        | minor basic dykes. Foliation is stronger around  |
|                  |       |        | The contacts with aplitic dykes.   |
|                  |       |        | Pyrite content is minor, occurring as rare specks.   |
|                  |       |        | Occasional slips of chilorite - calcite, which spit The  |
|                  |       |        | COT 2  |
|                  |       |        | Aplitic - pegmatitic section 118,26 - 119,18,  |
| $\sum_{i=1}^{n}$ |       |        | 126,49 - 127.71 - 128.63 , 131.37 , 133.81 -   |
| )                |       | e la   | 134.42   |
|                  |       | M      |  |
| 1                | 38.23 | 146,61 | Lamprophyre dyke   |
|                  |       |        | Gray - dark greenish gray . fine grained, mostly   |
|                  |       |        | porphyritic, hornblende phenocrysts in finegrained   |
|                  |       |        | to aphanetic matrix (groundmass)   |
|                  |       |        | Moderate calcite fractures and occasional epidote  |
|                  |       |        | fractures.   |
|                  |       |        | Sharp contact (lower) with slippage of   |
|                  |       |        | black sulphide-smeared fracture Overall  |
|                  |       |        | pyrite content is very minor, only as specks   |
|                  | 1661  | 15911  | Gneiss   |
| ).               |       |        | Similar to 7/0 phone area at 109 12 - 114-61   |
|                  |       |        | Similar to the above gneiss at 109,12 - 114.61.<br>More variable textures. Foliations are steeply- |
| ,                |       |        | oriented to core axis. Fine magnetite  |
|                  |       |        | associated with felsic veining around 152.40 M   |
|                  | 1     |        | contraction persite verning would size the   |

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| CLAIM           | LOCATION               |
|-----------------|------------------------|
|                 |                        |
| MINING DIVISION |                        |
| HOLE No         | ANGLE: DIRECTION:      |
| DEPTH           | GRID No: CO-ORDINATES: |
| DATE STARTED:   | FINISHED: LOGGED BY:   |
| DRILLED BY:     |                        |

|        | DEPTH                  |         |   |
|--------|------------------------|---------|---|
| •      | FROM                   |         | DESCRIPTION OF CORE                             |
|        | 159.11                 | 166.12  | Gabbro-diorite                                  |
|        |                        |         | Dark gray, fine to medium grained, granular     |
|        |                        |         | non-foliated with gabbroic igneous body with    |
|        |                        |         | occasional felsic dyke swarm, Epidote fractures |
|        |                        |         | are common. Pyrite content is minor and         |
|        |                        |         | insignificant.                                  |
| · · ·  |                        |         | may be related intimately with the above lamp-  |
| )      |                        | ъ.<br>Т | rophyric dyke occurrence at 138,23-14661.       |
|        |                        | м       |   |
|        | 166.12                 | 178.00  | Gineiss   |
|        |                        |         | Variably textured gneisses as above occurrences |
|        |                        |         | Alternation between felsic gneiss (Leucogneiss) |
|        |                        |         | & more massive darker & finer andesitic         |
|        |                        |         | greenschist.                                    |
|        |                        |         | Upper contact : Broken, gouged (graenish        |
|        |                        |         | tint) with hemotite staining and pieces of      |
|        |                        |         | felsic dyke                                     |
|        |                        |         | Slightly more broken at the end of the hole.    |
|        |                        |         | Very minor pyrite, Epidote is locally strong.   |
| )<br>} |                        |         |   |
| Ĵ      |                        |         |   |
|        |                        |         |   |
|        | in an tha an the<br>An |         |   |
| •      |                        |         |   |

CLAIM Solver LOCATION: Burns Lake B.C. MINING DIVISION Dimineca HOLE NO: 84-6 ANGLE: -50° DIRECTION: N 4.5° W CO-ORDINATES: 5705+170W DEPTH: 178.61 M GRID No: DATE STARTED: Dec. 20 1984 FINISHED: Dec. 24 1984 LOGGED BY: B.Y. KIM DRILLED BY: D.W. Coates Enterprises Ltd.

| DEPTH |            | DESCRIPTION OF CORE                                   |  |  |
|-------|------------|---|--|--|
| FROM  | то         |   |  |  |
| 0     | 9.60       | Overburden  |  |  |
|       |            |   |  |  |
| 9.60  | 20,88      | Greenschist   |  |  |
|       |            | Gray to dark greenish gray chlorite-rich greenschist  |  |  |
|       |            | with well-developed this foliation (20-40° to         |  |  |
|       |            | core axis) Frequent narrow felsic (aplitic)           |  |  |
|       |            | bandings and abundant hairline to fine fractu-        |  |  |
|       | ų,         | res. Intimately contacted with underlying felsic      |  |  |
|       |            | intrusion (dyke ?) of granodisvitic composition)      |  |  |
|       |            | Rare pyrite throughout . Epidote is usual pervasively |  |  |
|       |            | with occasional fracture epidote. Very loccally       |  |  |
|       |            | fine dissemination of garnet embedded in darker       |  |  |
|       |            | layer of foliation . Probably originated from         |  |  |
|       |            | clastic unit of Cache Creek group.                    |  |  |
|       |            |   |  |  |
|       |            | 13.87-14.02 M Disritic dyke with sharp contact        |  |  |
|       |            | 30° to core axis.                                     |  |  |
|       |            |   |  |  |
|       |            | Broken at 14.17, Dyke of granodiorite-diorite         |  |  |
|       |            | composition   |  |  |
|       |            |   |  |  |
| 20,88 | 30.63      | Gneiss  |  |  |
|       |            | Greywhite - Light gray leucocratic gneiss originated  |  |  |
| 41    |            |   |  |  |
| 20,88 | м<br>30.63 |   |  |  |

| CLAIM           |          | LOCATI    | ON:           |           |
|-----------------|----------|-----------|---------------|-----------|
| MINING DIVISION |          |           |               |           |
|                 |          |           |               |           |
| HOLE NO:        | ANGLE:   | 4.        | DIRECTION:    |           |
| DEPTH           | GRID No: |           | CO-ORDINATES: |           |
| DATE STARTED:   |          | FINISHED: |               | LOGGED BY |

DRILLED BY:

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|        | DE<br>FROM   | ертн<br>То | DESCRIPTION OF CORE                                |
|--------|--|------------|--|
|        |  |            |  |
|        |  |            | from dioritie dyke rock. Variably foliated with    |
|        |  |            | minor chloritized matics, No significant pyrite    |
|        |  |            | in very minor amount.                              |
|        |  |            |  |
|        |  |            | Broken & weakly breceivated with greenschist frag- |
|        |  |            | ments at 28.96 M.                                  |
| )<br>/ |  |            |  |
|        | 30.63  | 39.01.     | Greenschist  |
|        |  |            | Similar to the above greenschist at 9.60 - 20,88.  |
|        |  |            | Slightly weaker foliation than above with frequent |
|        |  |            | occurrence of aplitic dyke or sill, occasional     |
|        |  |            | magnetite-bearing dark bandings of foliation which |
|        |  |            | is associated with intrusion of applitic dykes.    |
|        |  |            | No - rare pyrite. In general foliation is weak     |
|        |  |            | (20-40° to core axis)                              |
|        |  |            |  |
|        | 39.01  | 42.06      | Gneiss   |
|        |  |            | Same as above gneiss at 20,88 - 30,63. Well-folia  |
|        |  |            | ted (20-50° to core axis) with sharp well-defined  |
|        |  |            | contacts. Darker bandings of chloritized matics    |
|        |  |            | and minor magnetite. Negligible rare pyrite        |
|        | na de la composition de la composition<br>La composition de la c |            | specks.  |
|        |  |            |  |
|        |  |            |  |
|        |  |            |  |

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| CLAIM           |          | LOCATION:      |           |  |
|-----------------|----------|----------------|-----------|--|
| MINING DIVISION |          |                |           |  |
| HOLE No:        | ANGLE:   | DIRECTION:     |           |  |
| DEPTH           | GRID No: | CO-ORDINATES:  |           |  |
| DATE STARTED:   | FINISHED | :              | OGGED BY: |  |
| DRILLED BY:     |          |                |           |  |
| DEPTH           |          | DESCRIPTION OF | CORE      |  |

| DE    | EPTH  | DESCRIPTION OF CODE                                    |
|-------|-------|--|
| FROM  | то    | DESCRIPTION OF CORE                                    |
| 42.06 | 54,56 | Greenschist  |
|       |       | dark gran - light greenish gray, massive to well-      |
|       |       | foliated, variable andesitic greenschist. Pyrite       |
|       |       | content is very minor throughout. Noticeable           |
|       |       | amount of pyrite around 54.56 contact.                 |
|       |       |  |
|       |       | Broken at 50.27 due to stronger fractures of           |
|       |       | carbonate with minor hematite stain.                   |
|       |       |  |
|       |       | 0.3 m of grieissic intercalation at 49.05 m.           |
|       |       |  |
|       |       | Very fine popphyritic texture in chert-like black      |
|       |       | massive andesite-basalt around 48.75 m.                |
|       |       |  |
| 54.56 | 57.15 | Gneiss   |
|       |       | Light gray - light greenish gray well-foliated orthog- |
|       |       | neiss, probably originated from monzonite ~ diorite    |
|       |       | intrusive . Intimatly intruded The surrounding         |
|       |       | greenschist and showing repeated contact.              |
|       |       | pyrite is rare to nil.                                 |
|       |       |  |
| ETIE  | 11.01 | Greenschist  |
| 57.15 | 64.01 |  |
|       |       | Similar to the above greenschist at 42.06-54.56.       |
|       |       |  |

| CLAIM           | LOCATION  | N:            |
|-----------------|-----------|---------------|
| MINING DIVISION |           |               |
| HOLE No:        | ANGLE:    | DIRECTION:    |
| DEPTH           | GRID No:  | CO-ORDINATES: |
| DATE STARTED    | FINISHED: | LOGGED BY:    |
| DRILLED BY:     |           |               |

| DE    | ЕРТН       |   |  |  |
|-------|------------|---|--|--|
| FROM  | то         | DESCRIPTION OF CORE   |  |  |
|       |            | Frequently intercalated with aplitic dyke or sill.<br>Variably metamorphosed - strong contact-type<br>around lower contact with 30-40% of epidote<br>60.96-63.40 M. Variable intensity of foliation<br>local calcite-chlorite fractures & slips.<br>Pyrite content is minor, Kare specks of chalcopyrite<br>near the epidote-rich contact around 62.68 M.   |  |  |
| 64.01 | м<br>65.23 |   |  |  |
| 65,23 | 71.17      | Greenschist   |  |  |
| 71.17 | M<br>51.23 | Dark gray to dark greenish gray, near-contact<br>rock with variable assimilation by the near-by<br>intrusion, Poorly foliated with usual epidote<br>developement. Fine gramed amphibolite zone<br>66.60 - 67.82.<br>Pyrite content is minor & insignificant.<br>Gneiss<br>Same as the above gneiss, poor foliation due to weake<br>matic. Pyrite content is minor and insignificant.<br>Very local strong pyrite fractures. |  |  |

| Than usual)   |
|---------------|
| iorite-gabbro |
| with frequent |
| ibolitic zone |
|               |
| //.<br>/      |

Pyrite is minor as dissemination, occasional fracture filling pyrite

Epidote is very common, locally strong both as disse. mination & fracture-filling

91.14 101.19

Gneiss Grenerally dark gray, fine grained, foliated gneiss with minor amphibolite, Frequent gradational change due to assimilation by earlier intrusion along with swarm of dioritic dykes and felsic dykes. Epidote appears to be stronger toward the lower contact local heavier pyrite associated with epidote fracture.

minor chalcopyrite noticed at 98.45

101.19

107.59

Gneiss (Mixture of orthogneiss & paragneiss)

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| CLAIM           |           | LOCATION           |     |
|-----------------|-----------|--------------------|-----|
| MINING DIVISION |           |                    |     |
| HOLE NO:        | ANGLE:    | DIRECTION:         |     |
| DEPTH           | GRID No:  | CO-ORDINATES:      |     |
| DATE STARTED:   | FINISHED: | LOGGED             | BY: |
| DRILLED BY:     |           |                    |     |
|                 |           | DESCRIPTION OF COR | E   |

| DEPTH  |             | DESCRIPTION OF CODE  |
|--------|-------------|--|
| FROM   | то          | DESCRIPTION OF CORE  |
|        |             | Well-foliated, Irregular mixture of the above<br>two types of gneiss.<br>disseminated<br>Strong Vepidote with local heavy fracture bandings<br>& clusters. |
|        |             | Quartz vein with chlorite-epidote inclusion at 107.59<br>contact.  |
| 107.59 | M<br>129.85 | Greenschist  |
|        |             | Dark greenish gray, fine grained audesitic greenschist<br>with weak foliation. Heavy epidote disseminations<br>& fractures which cross cut the foliation.  |
|        |             | Nanow heavy pyrite banding enveloping a small<br>quarty vein at 108,51 (sampled for assay)   |
|        |             | Gneissic section 116.43 - 118.87, 121.92 - 122.68  |
|        |             | Epidote is pervasive alteration product, Carbonate<br>fracture is usual. Pyrite is minor.  |
| 129.85 | м<br>134,57 | Gneiss<br>Same as The above queiss at 71.17 - 81.23 M  |
|        |             |  |

| MINING DIVISION<br>HOLE NO: ANGLE: DIRECTION:<br>DEPTH: GRID NO: CO-ORDINATES:<br>DATE STARTED: FINISHED: LOGGED BY:<br>DRILLED BY: | CLAIM           | LOCATION:              |
|---|-----------------|------------------------|
| DEPTH: GRID No: CO-ORDINATES:<br>DATE STARTED: FINISHED: LOGGED BY:   | MINING DIVISION |                        |
| DATE STARTED: LOGGED BY:  | HOLE NO:        | ANGLE: DIRECTION:      |
|   | DEPTH           | GRID No: CO-ORDINATES: |
| DRILLED BY:   | DATE STARTED:   | FINISHED: LOGGED BY:   |
|   | DRILLED BY:     |                        |

| DEPTH |           |        | DESCRIPTION OF CORE  |
|-------|-----------|--------|--|
|       | FROM      | M      |  |
| ÷     | 134.57    | 175.87 | Greenschist + Gineiss                                      |
|       |           |        | Irregular mixture of andesitic greenschist and             |
|       | · · · · · |        | orthogneiss. Greenschist is dark gray, very fine           |
|       |           |        | grained and poorly foliated while orthogneiss shows        |
|       |           |        | Well-developed foliation with light gray, coarser grained. |
|       |           |        | Textures, Epidote occurrence is pervasive on both          |
|       |           |        | type of rocks. The contacts are very intimate and          |
|       |           | -      | some contacts are probably inclusions.                     |
|       |           |        | Generally solid core with local minor slippage usually     |
|       |           |        | along the foliation  |
|       |           |        | Pyrite is minor and insignificant, appears to be           |
|       |           |        | a little stronger on the intruded rock which may           |
|       |           |        | be originated from a sedimentary unit of Cache             |
|       |           |        | Creek group.   |
|       |           |        | Occasional hematile staining on slip faces with            |
|       |           |        | crushed chlorite-carbonate.                                |
|       |           |        |  |
|       |           |        | Fine grained to aphanetic black massive basalt             |
|       |           |        | is predominant at 141.43 - 146.91 M.                       |
|       |           |        |  |
|       |           |        | Strong biotite development making predominant              |
|       |           |        | darker bandings . Fair amount of pyrite associated         |
|       |           |        | with This biotite bandings (less than 1%)                  |
|       |           |        |  |

|            |                  | DIAMOND DRILL LOG  |
|------------|------------------|--|
|            | CLAIM            | LOCATION:  |
| $\cap$     | MINING DIVISION  |  |
|            | HOLE No: 24 - 6  | ANGLE: DIRECTION:  |
|            | DEPTH            | GRID No: CO-ORDINATES:   |
|            | DATE STARTED:    | FINISHED: LOGGED BY:   |
|            | DRILLED BY:      |  |
|            | DEPTH<br>FROM TO | DESCRIPTION OF CORE  |
|            |                  | black aphanetic basalt as above occurrence<br>at 171.39 - 171.84 M |
|            | 175.81 178.61    | Gneiss   |
|            |                  | Light gray to gray white , fine to medium grained                  |
|            |                  | gneiss   |
| $\bigcirc$ |                  | massive solid core with occasional slips of crushed                |
|            | 10               | chlorite - calcite and minor epidote, Very minor pyrite            |
|            |                  | occurring as fine dissemination                                    |
|            |                  |  |
|            |                  |  |
|            |                  |  |
|            |                  |  |
|            |                  |  |
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|            |                  |  |

DIAMOND DRILL LOG CLAIM Silver LOCATION: BURNS Lake B.C. MINING DIVISION Omineca ANGLE: - 50 DIRECTION: N45°W HOLE NO: 84-7 CO-ORDINATES: P405 + 470 W DEPTH: 183,19 M GRID No: DATE STARTED: Dec. 14 1984 FINISHED: Dec. 19 1984 LOGGED BY: B.Y. KIM DRILLED BY: D.W. Coates Enterprises (Id. DEPTH DESCRIPTION OF CORE FROM то 3.35 Overburden 0 8,53 Greenschist 3.35 Dark gray - dark greenish gray , fine ~ medium grained andesitic greenschist with weak foliation consisted predominantly of chlorite and minor epidote and strong carbonate fractures. Dyke swarm of felsic composition throughout. Rare pyrite & occasional weak hematile starring on slipped fractures Moderately magnetic due to pervasive dissemina-Tion of magnetite 12.04 8.53 Felsie dyke White gray - Ash gray , fine-grained with well-defined foliation ( ± 30° to core axis) Fairly broken ( compared to the above greenschist) due to sharp chlorite-carbonate slip faces Rare pyrite, dark-colored chloritic slip faces may have some smeared pyrite. 12.04 24.54 Greenschist Similar To above greenschist at 3.35 - 8.53 M

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| CLAIM              |         | LOCATION:           |
|--------------------|---------|---------------------|
| MINING DIVISION    |         |                     |
| HOLE NO:<br>DEPTH: | ANGLE:  | DIRECTION:          |
| DATE STARTED:      | FINISHE |                     |
| DRILLED BY:        |         |                     |
| <br>DEPTH          |         | DESCRIPTION OF CORE |

| DEPTH |            | DESCRIPTION OF CORE  |
|-------|------------|--|
| FROM  | то         | DESCRIPTION OF CORE  |
|       |            | Steeply dipping (to core axis) felsic dyke swarm<br>around 17 <sup>m</sup> shows gnessic texture, Strong epidote   |
|       |            | as dissemination and fracture-filling, Rare<br>pyrite.   |
| 24.54 | m<br>28,96 | Orthogneiss (diorite)<br>Fine to medium grained, light gray gneiss oxigina-  |
|       | ۰.<br>۳    | led from hornblende-rich dioritie dyke (?) rock.   |
|       |            | Strong epidote throughout both as dissemination &<br>fracture-coating, Occasional hematite tint on<br>fracture slips, Rare pyrite.   |
| 28.96 | м<br>40.23 | Greenschist<br>Similar to above greenschist, Stronger apidote  |
|       |            | both on fractures and as dissemination, Contact<br>type of metamorphism is prevailing, Calcite-hema-<br>tite fractures with near-vertical orientation (to  |
| 1     | M          | core axis) are more usual, Rare pyrite.  |
|       | 67.67      | Orthogneiss (diorite)<br>Similar to above gneiss at 24.54 - 28.96 <sup>M</sup> . Light<br>Greenish gray due to bandings of chloritized matics<br>Weakly slipped fractures of Chlorite-calcite-hematite |
|       |            |  |

| CLAIM            | LOCATION       |                  |                        |
|------------------|----------------|------------------|------------------------|
| MINING DIVISION  |                |                  |                        |
| HOLE No:         | ANGLE          | DIRECTION:       |                        |
| DEPTH            | GRID No:       | CO-ORDINATES:    |                        |
| DATE STARTED:    | FINISHED       | LOGGED BY:       |                        |
| DRILLED BY:      |                |                  |                        |
| DEPTH<br>FROM TO | DES            | CRIPTION OF CORE |                        |
|                  | with rare pyri | Te, Weak chilled | contact with The above |

Incompletely assimilated inclusions of greenschist with quartz veining 52,43 - 55,47 with chlorite-calcite. slips. Minor fracture-controlled clay alteration (hydrothermal type) 58,22 - 59,44 M

Slicken-sided fractures of dark chlorite are usual .

67.67 76.96

Diorite gneiss

greenschist.

Similar to above orthogneiss . Coarser grained and Strongen foliation (gneissocity ± 30° to core axis) Appears to be originated from The contact zone disrite with abundant inclusions of darker greenschist and concordant felsic dykes & sills Very minor pyrite but occasional heavier coating associated with carbonate fractures 67.06 - 73.15<sup>m</sup> Broken, gouged and weakly breeciated near The lower contact around 77<sup>M</sup>

Greenschist & minor diorite gneiss

76.96 117.65

| CLAIM                   | LOCATION:           |
|-------------------------|---------------------|
| MINING DIVISION         |                     |
| HOLE NO: ANGLE:         | DIRECTION           |
| DEPTH: GRID No:         | CO-ORDINATES:       |
| DATE STARTED: FINISHED: | LOGGED BY:          |
| DRILLED BY:             |                     |
| DEPTH<br>FROM TO        | DESCRIPTION OF CORE |

Gradual change from above, Predominanty darker-colored greenschist with well-developed foliation. Frequent appearance of felsic-aplitic bandings and minor diovitic sections pyrite is rare. Fine disseminated magnetite is usual in section which seems to be originated from intrusive rock.

Broken, rubbly core due to dark greenish gray fracture slips of chlorite-calcite 79.86 - 82.30

Aplitic dykes 56.11 - 86.41, 87.48 - 87.94 Hairline fractures & slips of hematite staining areusual 86.26 - 90.22

Broken, blocky core at 99.37, 100,28, 102.72" Broken, cracked core near the lower contact - felsic. banding at the contact 117.65 M

117.65 134.57

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Basalt - Andesite Dark gray, aphanetic to fine grained, generally massive (locally amygolaloidal and spherulitic) basic volcanic or dyke with fine disseminated magnetite and very miner pyrite.

| CLAIM            |           | LOCATION:           |         |
|------------------|-----------|---------------------|---------|
| MINING DIVISION  |           |                     | · ·     |
| HOLE NO:         | ANGLE     | DIRECTION:          |         |
| DEPTH            | GRID No:  | CO-ORDINATES:       |         |
| DATE STARTED:    | FINISHED  | LOG                 | GED BY: |
| DRILLED BY:      |           |                     |         |
| DEPTH<br>FROM TO |           | DESCRIPTION OF C    | ORE     |
|                  | Filiation | developement is wea | k and   |
|                  |           |                     |         |

Gneiss

Gneissic zone 124.36 - 124.97 Rubbly core of fine-grained andesitic rock 129.69 -130.45 Poor core recovery 131.98 - 132.89 (approximately 70%)

only local .

134.57 169.62

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Predominantly well-foliated gneiss of intrusive origin, with minor dark poorly-foliated section of volcanic origin. Solid core in orthogneiss (dioritic) section, while more broken in andesitic. (?) gneissic section Kare pyrite throughout.

Short youged zone at 152.71, 153.31 Broken and rubbly core. 161.24-161.85, 164.29 166.12.167.64

A near-vertical ( to core axis) slipped fracture of chlorite-calcite-hematite (stain) with weak selvage alteration, minor quartz is associated with it, Sulphide (pyrite) is very rare.

|                 | DIAMOND DRILL LOG                                       |
|-----------------|---|
| CLAIM           | LOCATION:   |
| MINING DIVISION |   |
| MINING DIVISION |   |
| HOLE No         | ANGLE: DIRECTION:                                       |
| DEPTH           | GRID No: CO-ORDINATES:                                  |
| DATE STARTED:   | FINISHED: LOGGED BY:                                    |
| DRILLED BY:     |   |
| DEPTH<br>FROM T | DESCRIPTION OF CORE                                     |
| 169.62 172      | 52 Basic dyke   |
|                 | dark greenish gray to black, aphanetic To fine poph-    |
|                 | gritic lamphrophyric dyke with no foliation.            |
|                 | Apparantly of later stage (than most of rock types)     |
|                 | No pyrite visible. Minor hairline criss crossing        |
|                 | calcite fractures. Both contacts (upper &               |
|                 | lower) are sharp. 20° to core axis for upper            |
|                 |   |
|                 | contact & 65° to core axis for lower contact.           |
|                 |   |
| 172,52 183.     |   |
|                 | Solid core predominantly of gray well-foliated          |
|                 | coarse grained gneiss with short aplitic or pegmatitic  |
|                 | intercalation & poorly foliated dark gray andesitic     |
|                 | greenschist, Very minor pyrite as disseminations and    |
|                 | locally as heavier dissemination on foliation fractures |
|                 |   |
|                 | Coarse grained, dark gray orthogneiss (dioritic)        |
|                 | with intercalated aplitic dyke or sill . Fine grained   |
|                 | dissemination of epidote is strong.                     |
|                 |   |

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| OMPAN            | Y       | 7     | roym    | , n ,       | Resol                                 | urces | s Lta     | 1                                     |                    | $\cup$   | N      |          |     |          |          | CORR                                  | ECTED                                 | DIP TE                                | STS      |         |                   |
|------------------|---------|-------|---------|-------------|---------------------------------------|-------|-----------|---------------------------------------|--------------------|----------|--------|----------|-----|----------|----------|---------------------------------------|---------------------------------------|---------------------------------------|----------|---------|-------------------|
|                  | ND DR   |       |         |             |                                       |       |           |                                       |                    |          |        |          |     |          |          |                                       | · .                                   |                                       |          |         | · · ·             |
|                  |         | DAT   | E BEGAN | Dec         | . 4                                   | 1984  |           | COMPLI                                | ETED $\mathcal{D}$ | ec. 7    | 7 1984 | -        | ·   |          |          |                                       |                                       |                                       | •        |         |                   |
|                  | Silve   |       |         |             |                                       |       |           |                                       |                    |          | -      |          |     |          |          |                                       |                                       | ``                                    |          |         |                   |
|                  |         |       |         |             |                                       |       |           |                                       |                    |          | m      |          |     | ······   |          |                                       |                                       |                                       |          |         |                   |
| OLE NO           | 84 -    |       | CO-OR   | D <u>14</u> | -603                                  |       | HORIZ     | ONTAL                                 | LENGTH             | 108.     | 54     |          |     |          |          | · · · · · · · · · · · · · · · · · · · | ·<br>·                                | · · · · · · · · · · · · · · · · · · · |          |         |                   |
|                  | 1       |       |         |             |                                       |       |           |                                       |                    | Ŵ        |        |          |     |          |          |                                       |                                       |                                       |          |         | <u></u>           |
| LAIM NO          | Silver  | ۳     | ELEVA   | TION        | 929.                                  | 6 m   | ANGL      |                                       | 50°                |          |        |          |     |          |          |                                       |                                       |                                       | RESIDENT | GEOLOGI | ST                |
|                  |         |       |         |             |                                       | SSAY  |           |                                       | Ę                  |          | WIDT   | H X ASS  | BAY | · · · ·  |          |                                       |                                       | AVERAG                                | ES       |         |                   |
| EPTH( <b>M</b> ) | NUMBER  | WIDTH | AU 47   | AG          | cu                                    | ZN    | PB        | NI                                    |                    |          |        |          |     |          | WIDTH    | AU                                    | AG                                    | cu                                    | ZN       | PB      | N                 |
| - 9.5            |         |       | Over    | burde       | n                                     |       |           |                                       |                    |          |        |          |     |          |          |                                       |                                       |                                       |          |         |                   |
| -30.18           | 6951 D  |       | not s   | ample       | d                                     |       |           |                                       |                    | 1        |        |          |     |          |          |                                       |                                       |                                       |          |         |                   |
| 11               | 695/D   | 1.06  | .001    | .02         |                                       |       |           |                                       |                    |          |        |          | ļ   |          |          |                                       | <br>                                  | · · · · ·                             |          |         | ļ                 |
| 4-42.37          |         |       | not     |             | ed                                    |       |           |                                       |                    |          |        |          |     |          |          |                                       |                                       |                                       |          |         |                   |
|                  | 6952D   | 1.22  | .002    | .01         |                                       |       | · · · · · |                                       |                    |          |        |          |     |          |          | į<br>                                 |                                       |                                       |          |         |                   |
| 9-106.38         |         |       | not     | Samp        | led                                   |       |           |                                       |                    |          |        |          |     |          |          |                                       |                                       |                                       |          |         |                   |
|                  | 6953D   |       |         | .01         |                                       |       |           |                                       |                    | · · · ·  |        |          |     |          |          |                                       |                                       |                                       |          |         | ļ                 |
| -157,20          |         |       | net     |             | pled                                  |       |           |                                       |                    | · ·      |        |          |     |          |          |                                       |                                       |                                       |          |         |                   |
|                  | 6954 D  |       |         | ,           |                                       |       |           |                                       |                    |          |        |          |     | :        |          |                                       |                                       |                                       |          |         | ļ                 |
| - 166,42         |         |       | not     | Samp        | led                                   |       |           |                                       |                    |          |        |          |     | ·<br>    |          |                                       |                                       |                                       |          |         | ;<br><del> </del> |
|                  | 6955 D  |       |         |             |                                       |       |           |                                       |                    |          |        |          |     | <u>.</u> |          |                                       |                                       |                                       | · · ·    |         |                   |
|                  |         |       | net     | <u>Sam</u>  | oled                                  |       |           |                                       |                    |          |        | <u> </u> |     |          |          |                                       |                                       |                                       |          |         |                   |
| End              | of hole |       |         |             |                                       |       | · · · · · | · · · · · · · · · · · · · · · · · · · |                    |          |        |          |     |          |          |                                       | ÷                                     |                                       |          |         |                   |
|                  |         |       |         | -           |                                       |       |           | · · · ·                               |                    |          |        |          |     |          |          | <u>-</u>                              |                                       |                                       |          |         | · · ·             |
|                  |         |       |         |             | ······                                |       |           |                                       |                    | 1        |        |          |     |          | ·        |                                       |                                       |                                       |          |         |                   |
|                  |         |       |         |             |                                       |       |           |                                       |                    | <u> </u> |        |          |     |          |          | <u> </u>                              |                                       |                                       |          |         |                   |
|                  |         |       |         |             |                                       |       |           |                                       |                    |          |        |          |     |          |          |                                       | · · · · · ·                           |                                       |          |         |                   |
|                  |         |       |         |             |                                       |       |           |                                       |                    |          | +      |          |     |          |          |                                       |                                       |                                       |          |         |                   |
|                  |         |       |         |             |                                       |       |           |                                       |                    |          |        |          |     |          |          |                                       |                                       |                                       |          |         | <br> . ·          |
|                  |         |       |         |             |                                       |       |           |                                       |                    |          |        |          | ·   |          |          |                                       |                                       |                                       |          |         |                   |
|                  |         |       |         |             |                                       |       |           |                                       |                    |          | 1      |          | -   |          |          |                                       |                                       |                                       |          |         |                   |
|                  |         |       |         |             |                                       |       | 4         |                                       |                    |          |        |          |     |          |          |                                       |                                       |                                       |          |         | ·                 |
|                  |         |       |         |             |                                       |       |           | L                                     |                    | 1        | 1      |          | 1   |          |          |                                       |                                       |                                       |          |         |                   |
|                  |         |       |         |             | · · · · · · · · · · · · · · · · · · · |       |           |                                       |                    |          | 1      | ·        |     |          |          |                                       |                                       |                                       |          |         |                   |
|                  |         | _     |         |             |                                       |       | . •       |                                       |                    |          |        |          |     |          |          |                                       |                                       |                                       |          |         |                   |
|                  |         |       |         |             |                                       |       |           |                                       |                    |          |        |          |     |          |          |                                       |                                       |                                       | . 1      |         |                   |
|                  |         |       |         |             |                                       |       |           |                                       |                    |          |        |          |     |          |          |                                       |                                       |                                       |          |         |                   |
|                  |         |       |         |             |                                       |       |           | ·                                     |                    |          |        |          |     |          |          |                                       |                                       |                                       |          |         |                   |
|                  |         |       |         |             |                                       |       |           |                                       |                    |          |        |          |     |          |          |                                       |                                       |                                       |          |         | 1                 |
|                  |         |       |         |             |                                       |       | .)        |                                       | ļ.                 | ļ        |        |          |     |          |          |                                       | · · · · · · · · · · · · · · · · · · · |                                       |          |         |                   |
|                  |         |       |         | • .         |                                       |       |           |                                       | ļ                  | <u> </u> | ļ      |          |     |          | <b> </b> |                                       |                                       |                                       |          |         |                   |

| COMPAN      | Y       | Frou  | min   |         | Rose                                  | nirre        | 5         | Ltd    |            | $\bigcirc$ |        | -       |         |   |          |             |            |                                       |          |                                       |          |
|-------------|---------|-------|-------|---------|---------------------------------------|--------------|-----------|--------|------------|------------|--------|---------|---------|---|----------|-------------|------------|---------------------------------------|----------|---------------------------------------|----------|
| · ·         |         |       |       |         | 1236                                  | urce         | <u> </u>  | 7      |            |            |        |         |         |   |          | CORRI       | ECTED      | DIP TE                                | STS      |                                       |          |
| DIAMO       | OND DR  |       |       |         |                                       |              |           |        |            |            | 0.00   | ,       |         |   |          |             |            |                                       |          |                                       |          |
|             | •       |       |       |         |                                       |              |           |        |            |            | 0 1984 | -       |         |   |          |             |            |                                       |          |                                       |          |
| PROPERTY    | Silve   | 27    |       | PROJ    | ECT NO                                |              | DEPTH     | 1_/7   | 5.5        | 7 m        |        |         |         |   |          |             |            |                                       |          |                                       |          |
| HOLE NO     | 84 -    | 2     | CO-OF |         | 670 S                                 |              | HORIZ     | ONTAL  | LENGTH     | 112.       | 86 1   | .       |         |   |          | · · · · · · |            |                                       |          |                                       |          |
| SHEET NO    |         |       | ·     | 1       | 9701                                  | £            | DIREC     | TION _ | N 45       | 5°W        |        | .       | · · · · |   |          |             | . <b>.</b> |                                       |          |                                       |          |
|             | Silve   |       |       |         |                                       |              |           |        |            | *<br>      |        |         |         |   |          |             |            | · · · · · · · · · · · · · · · · · · · | RESIDENT | GEOLOGI                               | 57       |
| ]           |         |       |       |         |                                       | SSAY         |           |        |            |            | WIDT   | H X ASS | SAY     |   |          |             |            | AVERAC                                | GES      | · · · · · · · · · · · · · · · · · · · |          |
| DEPTH(M)    | NUMBER  | WIDTH | AU    | AG      | cu                                    | ZN           | PB        | NÍ     |            |            |        |         |         |   | WIDTH    | AU          | AG         | ເບ                                    | ZN       | PB                                    | NI       |
| - 3.1       |         |       | Ove   | rburd   | en                                    |              |           |        |            |            |        |         |         |   |          |             |            |                                       |          |                                       |          |
| 1-6.4       |         |       | not   | Sampl   | led                                   |              |           |        |            |            | -      |         |         |   |          |             |            |                                       |          |                                       |          |
| 1           | 6956D   | i     | 1     | 1       |                                       |              |           |        |            |            | _      |         |         |   |          |             |            |                                       | ļ        |                                       | <u> </u> |
| 4 - 38.58   |         |       | 1107  | t Samp  | led                                   |              |           |        | ļ <b>.</b> |            |        |         |         |   |          | -<br>-      |            |                                       | ļ]       |                                       | <br>     |
| 1           | 6957D   |       |       |         |                                       |              |           |        |            |            | +      |         |         |   |          |             |            |                                       |          |                                       |          |
| 08-71.80    | 6958D   | . 50  | not   | Samp    | eq                                    |              |           |        | 1          |            |        |         |         |   |          |             |            |                                       |          |                                       |          |
| 30-129.54   |         | 7.30  |       |         | lad                                   |              |           |        |            |            |        |         |         |   |          |             | ļ          |                                       |          |                                       |          |
|             | 6959D   | 0.91  | .001  | .01     | /~1                                   |              |           |        |            | 1          | +      |         |         |   | 1        |             |            |                                       |          |                                       |          |
| 1           |         | 2     | 1     |         | led                                   |              |           |        |            |            |        |         | 1       |   |          |             |            |                                       |          | •                                     | 1        |
| 5.00-155.75 | 6960D   | 0.75  | ,001  | .01     |                                       |              |           |        |            |            |        |         |         |   |          |             |            |                                       |          |                                       |          |
| 75-175.57   |         |       | not   | samp    | led                                   | ·            |           |        |            |            |        |         |         |   | <b> </b> |             |            |                                       |          |                                       | <br>     |
| End         | of hole |       |       |         | · · · · · · · · · · · · · · · · · · · |              |           |        |            |            |        |         |         |   |          |             |            |                                       |          |                                       |          |
|             |         |       |       | · · · · |                                       |              |           |        |            |            |        |         |         |   |          |             | · · · ·    | . <u>i</u>                            | <b> </b> |                                       |          |
|             |         |       |       |         |                                       |              | · · · · · |        |            |            |        |         |         |   |          |             |            |                                       |          |                                       |          |
|             |         |       |       |         |                                       | <u> </u>     |           |        |            |            |        |         |         | 1 |          |             |            |                                       |          |                                       |          |
|             |         |       |       | 1       |                                       |              |           |        |            |            |        |         |         |   |          |             |            |                                       |          |                                       |          |
|             |         |       |       |         |                                       |              |           |        |            | 1          |        |         |         | 1 |          |             |            |                                       |          |                                       |          |
|             |         |       |       |         |                                       |              |           |        |            |            |        |         |         |   |          |             |            |                                       |          |                                       |          |
|             |         |       |       | -       |                                       |              |           |        |            | · ·        |        |         |         | 1 |          |             |            |                                       |          |                                       |          |
|             |         |       |       |         |                                       |              | ·         |        |            | <u> </u>   |        |         |         |   |          |             |            | <u> </u>                              |          | Ì                                     | · · ·    |
|             | · · · · |       |       |         |                                       |              |           |        |            |            |        | ļ       |         |   |          |             | ļ          |                                       |          |                                       |          |
|             |         |       |       |         |                                       |              |           |        |            | -          |        |         |         |   |          |             | · · ·      |                                       |          |                                       |          |
|             |         |       |       | +       |                                       |              |           | -      |            | <u> </u>   | +      |         |         |   |          |             |            | <b> </b>                              |          |                                       | ·        |
|             |         |       |       |         | <u>.</u>                              |              |           |        | ++         |            | +      |         |         | 1 |          | -           |            |                                       |          | -                                     |          |
|             |         |       |       |         |                                       |              |           | ·      |            |            |        |         |         |   |          |             |            |                                       |          |                                       | ;        |
|             |         |       |       |         |                                       |              |           |        |            |            |        |         |         |   |          |             |            |                                       |          |                                       |          |
|             |         |       |       |         |                                       | <u> </u>     |           |        |            |            |        |         |         |   |          |             |            |                                       |          |                                       |          |
|             |         |       |       | -       | · · · · · · · · · · · · · · · · · · · |              |           |        |            |            |        |         |         |   |          |             |            |                                       |          |                                       |          |
|             | ╢─────  | ╢     |       | ·       | +                                     | <del> </del> |           |        |            |            |        |         |         |   |          |             |            | <u> </u>                              |          | ·                                     |          |

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|  | <u> </u> |              |                                       |              |   |       |          |          |                                       | (      |       |         |       |                                       |                                       |       |         |             | $\bigcirc$ |          |                                       |
|--|----------|--------------|---------------------------------------|--------------|---|-------|----------|----------|---------------------------------------|--------|-------|---------|-------|---------------------------------------|---------------------------------------|-------|---------|-------------|------------|----------|---------------------------------------|
| COMPAN   | Y        | Troy         | min                                   |              | Resol   | urces | Lta      | ′        |                                       |        |       |         |       |                                       |                                       | CORRE | CTED    | DIP TE      | STS        |          |                                       |
| DIAMO  | ND DR    | ILL RI       | ECOR                                  | D            |   |       |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
|  |          | DA           | TE BEGA                               | N_De         | .c.10   | 1984  | DATE     | COMPLE   |                                       | ec. 13 | 1984  | .       |       | ·                                     |                                       |       |         | *           |            |          | A                                     |
| PROPERTY   | Silv     | er           |                                       | PRO.         | IECT NO                                       |       | DEPTH    | /6       | 9.47                                  | m      | ·     |         |       |                                       | · · · · · · · · · · · · · · · · · · · |       |         |             |            | · · ·    |                                       |
| HOLE NO -  | 84 -     | 4            | CO-OR                                 | 0 14         | 480 5   | 3     | HORIZ    | ONTAL I  | LENGTH                                | 108.   | 93 m  |         |       |                                       |                                       |       |         |             |            |          |                                       |
| CUEFT NO   | 1        |              |                                       | ć            | 870 E   | -     | DIREC    | TION     | N 45                                  | *w     |       |         |       |                                       | ·                                     |       |         | · · · · · · |            |          | · .                                   |
| CLAIM NO   | Silve    | r 7          | ELEVA                                 | TION         | 838,  | 20 M  | _ ANGLE  |          | 50°                                   |        |       |         |       |                                       | <u></u>                               |       |         |             | RESIDENT   | GEOLOGIS | эт                                    |
|  |          | T            |                                       |              |   | SSAY  |          |          | đ                                     |        | WIDTH | I X ASS | ٩Y    |                                       |                                       |       | ·       | AVERAC      | GES        |          |                                       |
| DEPTH(M)   | NUMBER   | WIDTH        | AU                                    | AGZ          | cυ  | ZN    | PB       | NI       |                                       |        |       |         |       |                                       | WIDTH                                 | AU.   | AG      | ເບ          | ZN         | PB       | NI                                    |
| 0 - 1.22   |          |              |                                       | burde        |   |       |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
| 1.22-1280  | 10115    |              |                                       | sampl        | ed  |       |          |          |                                       | ļ      |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
| 12 <u>80-1381</u><br>1381 - <del>38</del> 41   | 676/D    | 1.01         |                                       |              |   |       |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
| 3841-39.62   | 6962 0   | 1.21         | not<br>. pol                          |              | KA  |       |          |          |                                       |        | +     |         |       |                                       |                                       |       |         |             |            |          |                                       |
| 39.62-90.83  | 07020    | 1.21         | 1                                     | Samp         | led   |       |          |          |                                       |        | -     |         |       |                                       |                                       | ····  |         |             |            |          |                                       |
| 90.83-92.05  | 6963D    | 1.22         | .001                                  | .03          |   |       |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
| 92.05.92.35  |          |              | not                                   | Samp         | led   |       |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
| 92 <u>35 - 93</u> 88   |          | 1.53         | 1                                     | 1            |   | ·     |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          | <u> </u>                              |
| 93.88.13975  |          |              |                                       | Samp         | led   | -     |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
| 139 <u>,75-140,82</u><br>140,82 -+49,96  | 6965D    | 1.07         |                                       | 1            |   |       |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
| 149,96-15/49   | 6966 D   | 1.53         | not                                   | 59,049<br>02 | veq   |       |          |          | <u> </u>                              |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
| 151,49-169,47  |          | 1 <b>1</b> ) | not                                   |              | led   |       |          |          |                                       | · ·    |       |         | ;     |                                       |                                       |       |         |             |            |          |                                       |
| End  |          |              |                                       |              |   |       |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
|  |          |              |                                       |              | · ·   |       |          |          | l                                     |        |       |         |       |                                       |                                       |       |         |             |            |          | ·                                     |
|  |          |              |                                       |              |   |       |          |          | · · · · · · · · · · · · · · · · · · · |        |       |         |       |                                       |                                       |       |         |             |            |          | ·                                     |
|  |          |              | ļ                                     |              |   |       |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
|  |          |              |                                       |              | +   |       |          |          |                                       |        |       |         | ••••• |                                       | ·                                     |       |         |             |            |          | · · · · · · · · · · · · · · · · · · · |
|  |          |              |                                       |              |   |       |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
|  |          |              |                                       |              |   |       |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
|  |          |              |                                       |              |   |       |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
|  |          |              |                                       |              |   |       | 1        |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
|  | ······   | -            | · · · · · · · · · · · · · · · · · · · |              |   |       | <u>1</u> |          |                                       |        |       |         | i     |                                       |                                       |       |         |             |            |          | ·                                     |
|  |          |              |                                       |              |   |       |          |          |                                       |        |       |         |       |                                       |                                       |       |         | <b> </b>    |            |          |                                       |
|  |          | H            |                                       |              |   |       |          |          |                                       |        |       |         |       | · · · · · · · · · · · · · · · · · · · |                                       |       |         |             |            | ·····    | · · · · · · · · · · · · · · · · · · · |
|  |          |              |                                       |              |   |       |          |          |                                       | 1      |       |         |       |                                       |                                       |       | · · · · |             |            |          | · · · · · · · · · · · · · · · · · · · |
|  |          |              |                                       |              |   |       |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
|  |          |              |                                       |              |   |       |          |          |                                       |        |       |         |       |                                       |                                       |       |         |             |            |          |                                       |
|  |          |              |                                       |              |   |       |          | <u> </u> | ļ                                     |        |       |         |       |                                       |                                       | ļ     |         | +           |            |          |                                       |
| A grand a set of a set of the set | 1)<br> } |              |                                       | +            | n <del>a 1. la k</del> arana ang kasita.<br>I |       | 1        |          | •••                                   | •      |       |         |       |                                       |                                       |       |         |             |            |          |                                       |

| COMPAN                                | Y                                     | Tr     | oymi                                  | n            | Reso        | urces   | Lta    | d .     | hth <u></u> |       | <u></u>  |         |     |                                       |          | CORR      | ECTED    | DIP TE  | STS      |                                       |             |  |  |  |
|---------------------------------------|---------------------------------------|--------|---------------------------------------|--------------|-------------|---------|--------|---------|-------------|-------|----------|---------|-----|---------------------------------------|----------|-----------|----------|---------|----------|---------------------------------------|-------------|--|--|--|
| DIAMO                                 | ND DR                                 | ILL RE | ECOR                                  | D            |             |         |        |         |             |       |          |         |     |                                       |          |           | · .      |         |          |                                       |             |  |  |  |
|                                       |                                       | DAT    | E BEGA                                | N_De         | zc. 25      | 5 1984  | 2 DATE | COMPLE  | TED D       | ec. 2 | 9 1984   | -       |     |                                       |          |           | ·        |         |          |                                       |             |  |  |  |
| ROPERTY                               | Silve                                 | er     | · .                                   | PROJ         | ECT NO      |         | DEPTH  | 17      | 18,00       | m     |          |         |     |                                       |          |           |          |         |          |                                       |             |  |  |  |
|                                       | 84 - :                                | 5-     | CO-OR                                 | в <i>8</i>   | 405         |         | HORIZ  | ONTAL I | LENGTH      | 114   | .42"     | ,       |     |                                       |          |           |          |         |          |                                       |             |  |  |  |
| HEET NO                               | 1                                     |        |                                       |              | 70 E        |         | DIREC  | TION    | N 45        | • • W |          |         |     |                                       |          |           |          |         |          |                                       |             |  |  |  |
| LAIM NO                               | l<br>Silve                            | - 6    | ELEVA                                 | TION         | 853         | .44 M   | ANGLE  |         | 50°         |       |          | ·       |     |                                       |          | <u> </u>  |          | ·       | RESIDENT | GEOLOGI                               | ST          |  |  |  |
|                                       |                                       |        |                                       | ·····        |             | SSAY    |        | 1       | ą.          |       | WIDT     | H X ASS | SAY |                                       | <u> </u> | -         |          | AVERAG  | ES       |                                       |             |  |  |  |
| EPTH(M)                               | NUMBER                                | WIDTH  | AU                                    | AG 02        | cυ          | ZN      | PB     | NÎ      |             |       |          |         |     |                                       | WIDTH    | ÂŬ        | AG       | ເນ      | ZN       | PB                                    | NI          |  |  |  |
| - 53.04                               |                                       |        | overb                                 |              |             |         |        |         |             |       |          |         |     |                                       |          | · · · · · |          |         |          |                                       |             |  |  |  |
| 4 - 65.84                             |                                       |        |                                       | Samp         | led         |         |        |         |             |       |          |         |     |                                       |          |           |          |         |          | · · · · · · · · · · · · · · · · · · · |             |  |  |  |
| 1                                     | 6977D                                 | 1.22   |                                       | 1            | 1-1         | · · · · |        |         |             |       |          |         |     |                                       | <u> </u> |           | -        | · · · · |          |                                       | <u> </u>    |  |  |  |
| 6-113,69<br>9-11461                   | 6978D                                 | 192    |                                       | Sampl<br>.01 | eq          |         |        |         |             |       |          |         |     | 1                                     |          |           |          |         |          | ·                                     | <u> </u>    |  |  |  |
| 61-166.12                             | 01180                                 | 0.14   |                                       | .01<br>Samp  | led         |         |        |         |             |       |          |         |     | 1                                     |          |           |          |         |          |                                       |             |  |  |  |
|                                       | 6979D                                 | 1.37   |                                       |              |             |         |        |         |             |       |          |         |     |                                       |          |           | 1        |         |          |                                       |             |  |  |  |
| 9-17252                               |                                       |        | net                                   | Sampl        | ed          |         |        |         |             |       | ·        |         |     |                                       |          | •         |          |         |          |                                       |             |  |  |  |
|                                       | 69800                                 | 1 11   |                                       |              |             |         |        |         | <br>        |       |          |         |     | -                                     |          |           |          |         |          |                                       | ļ           |  |  |  |
| 58-178.0                              |                                       |        | not                                   | sampl        | ed          |         |        |         |             |       |          |         |     |                                       |          |           |          |         | · · · ·  |                                       | <br>        |  |  |  |
| End                                   | of hole                               |        |                                       |              |             |         |        |         |             |       | <u> </u> |         | ·   |                                       |          |           |          |         |          | <u></u>                               |             |  |  |  |
|                                       |                                       |        |                                       |              |             |         |        |         |             |       |          |         |     |                                       |          |           |          |         |          |                                       | <br>        |  |  |  |
|                                       |                                       |        |                                       |              |             |         |        |         |             |       |          |         |     |                                       |          |           |          |         |          |                                       |             |  |  |  |
|                                       |                                       |        |                                       |              |             |         |        |         |             |       |          |         |     |                                       |          |           |          |         |          |                                       |             |  |  |  |
|                                       |                                       |        |                                       |              |             |         |        |         |             |       |          |         |     |                                       |          |           |          |         |          |                                       |             |  |  |  |
|                                       |                                       |        |                                       |              |             |         |        |         |             |       |          |         |     |                                       |          |           | ļ        |         |          |                                       | ļ           |  |  |  |
| · · · · · · · · · · · · · · · · · · · |                                       |        |                                       |              | <del></del> |         |        |         |             |       |          |         |     |                                       |          |           | -        |         |          |                                       |             |  |  |  |
|                                       | · · · · · · · · · · · · · · · · · · · |        |                                       |              |             |         |        |         |             |       |          |         | +   | · · · · · · · · · · · · · · · · · · · |          | · · ·     |          |         |          |                                       | <br> .      |  |  |  |
|                                       |                                       |        |                                       |              |             |         |        |         |             |       |          |         |     |                                       |          |           |          |         |          |                                       |             |  |  |  |
|                                       |                                       | ·      |                                       |              |             |         |        |         |             |       |          |         |     |                                       |          |           |          |         |          |                                       |             |  |  |  |
| · · · · ·                             |                                       |        |                                       |              |             |         | -      |         | · · · ·     |       | +        |         |     |                                       |          |           |          |         |          |                                       | ļ           |  |  |  |
|                                       |                                       |        |                                       |              |             |         |        |         |             |       |          |         |     |                                       |          | · · · · · |          |         |          |                                       | :<br>       |  |  |  |
|                                       | · · · · · · · · · · · · · · · · · · · |        | ·                                     |              |             |         |        |         |             |       |          | -<br>   |     | +                                     |          |           |          |         |          |                                       |             |  |  |  |
|                                       |                                       |        |                                       |              |             |         |        |         |             |       |          |         | +   |                                       |          |           |          |         |          |                                       | :<br>:<br>: |  |  |  |
|                                       |                                       |        | · · · · · · · · · · · · · · · · · · · |              |             |         |        |         |             |       |          |         |     |                                       |          |           | <u> </u> |         |          |                                       | <u> </u>    |  |  |  |
|                                       | · .                                   |        |                                       |              |             |         |        |         |             |       |          |         |     |                                       |          |           |          |         |          |                                       |             |  |  |  |
|                                       |                                       |        |                                       |              |             |         |        |         |             |       |          |         |     | <u> </u>                              |          | · ,       |          |         |          |                                       | :<br>1      |  |  |  |
|                                       |                                       |        |                                       |              |             |         |        |         |             |       |          |         |     |                                       |          |           |          |         |          | · · · · ·                             |             |  |  |  |
|                                       |                                       |        |                                       |              |             |         |        |         | -           |       |          |         |     |                                       |          |           | +        |         |          |                                       |             |  |  |  |

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|   | A.                                    |       |         |                  |         |                                       |       |        |         | $\bigcirc$ |       |       |             |           |       |                                       |             |            | $\bigcirc$        |           |           |
|---|---------------------------------------|-------|---------|------------------|---------|---------------------------------------|-------|--------|---------|------------|-------|-------|-------------|-----------|-------|---------------------------------------|-------------|------------|-------------------|-----------|-----------|
| COMPAN  | IY                                    | in Tr | oymi    | n                | Res     | ources                                | : Lt  | d.     |         |            | -     |       |             |           |       | CORRE                                 | ECTED       | DIP TE     | STS               |           |           |
| DIAMO   | OND DR                                |       | ECOR    | D                |         |                                       |       |        |         |            | •     |       |             |           |       |                                       | <u> </u>    |            |                   |           |           |
|   |                                       | DAT   | TE BEGA | <sub>N</sub> _De | c. 20   | 1984                                  | DATE  | COMPL  | ETED De | ec 24 1    | 984   |       |             | · · · ·   |       |                                       | · · ·       |            |                   |           | ·······   |
| PROPERTY  | Silver                                |       |         |                  |         |                                       |       |        |         |            |       |       |             |           |       |                                       |             |            | · · · · · · · · · |           |           |
|   | 84 -                                  |       |         |                  |         |                                       |       |        |         |            | /     |       |             |           |       |                                       |             |            |                   |           |           |
| SHEET NO  |                                       |       | · · · · |                  | 170 U   | /                                     | DIREC | TION _ | N 45    | W          |       |       |             |           |       |                                       | · · · · · · | + <u>.</u> | · .               |           |           |
| CLAIM NO  | I<br>                                 | - 6   | ELEVA   | TION             | 838.    | 20 M                                  | ANGLI | E      | - 50°   |            |       |       | <u>-</u> `  | · · · · · |       |                                       | · · · · ·   |            | RESIDENT          | GEOLOGIS  | ;T        |
|   | · · · · · · · · · · · · · · · · · · · |       |         |                  |         | SSAY                                  |       | ,      | 1       | r          | нтаіw | X ASS | AY .        |           |       |                                       |             | AVERAG     |                   |           |           |
| DEPTH   | NUMBER                                | WIDTH |         | AG               | cυ      | ZN                                    | PB    | ŇI     |         |            |       |       |             |           | WIDTH | AU                                    | AG          | - CU       | ZN                | PB        | NI        |
| 0 - 9.60<br>9.60 - 57.15                                |                                       |       |         | burdei<br>samp   | 1       |                                       |       |        |         |            |       |       |             |           |       |                                       |             |            |                   |           |           |
| 57.15-58.06   |                                       | 0.91  |         |                  |         |                                       |       |        | 1       |            |       |       |             |           |       |                                       |             |            |                   |           |           |
| 58,06-61.72   |                                       |       | not     | Samp.            | led     |                                       |       |        |         |            |       |       |             |           |       |                                       | <br>        |            |                   |           |           |
| 61.72-63.09<br>63.09-98,30                              |                                       |       |         | .03<br>5amj      | lad     |                                       |       |        |         |            |       |       |             |           |       |                                       |             |            |                   |           |           |
| 63 <u>,07-78</u> ,30<br>98 <u>,</u> 30 - 99 <u>,</u> 37 | 6973D                                 | 1.07  | ,00)    | 1                | 729     |                                       |       |        |         |            |       |       |             |           |       |                                       |             |            |                   |           |           |
| 99.37-108.51  |                                       |       | nei     | sam              | o/ed    |                                       |       |        |         |            |       |       |             |           |       |                                       |             |            |                   |           | · · · · · |
| 108 <u>51-10942</u><br>10942-13472                      | 6974D                                 | 0.91  | .00/    |                  | la d    |                                       |       |        |         |            |       |       |             |           |       | · · · · · · · · · · · · · · · · · · · |             |            |                   |           |           |
| 134.72 -135.94  | 6975D                                 | 1,22  | 1       | - Samj<br>. 01   | area .  |                                       | ·     |        |         |            |       |       |             |           |       |                                       |             |            |                   |           |           |
| 135.94-165.81   |                                       |       | no      | + samp           | oled    |                                       |       | 1      |         |            |       |       |             |           |       |                                       |             |            |                   |           |           |
| 165 <u>8  - 167.03</u><br>167.03 -178 6                 |                                       | 1.22  | 1       | 1                | 1.1     |                                       |       |        |         |            |       |       | · · · · · · |           |       |                                       |             |            |                   |           |           |
| End   |                                       |       | 101     | 5 amy            | PIEd    |                                       |       |        |         |            |       |       |             |           |       |                                       |             |            |                   |           | · · ·     |
|   |                                       |       |         |                  |         |                                       |       |        |         |            |       |       |             |           |       |                                       |             |            |                   |           |           |
|   |                                       |       |         |                  |         |                                       |       |        |         |            |       |       |             |           |       |                                       |             |            |                   | ·         | · · · · · |
|   |                                       |       |         |                  |         |                                       |       |        |         |            |       |       |             |           |       | <u></u>                               | · · · ·     |            | · · · ·           |           |           |
|   |                                       |       |         |                  |         |                                       |       |        |         |            |       |       |             |           |       |                                       |             |            |                   |           |           |
|   | -                                     |       |         | · · ·            | .<br> . | · · · · ·                             |       |        |         | :          |       |       |             |           |       |                                       |             |            |                   |           |           |
|   |                                       |       |         | <u> </u>         |         |                                       |       |        |         |            |       |       |             |           |       |                                       |             |            |                   |           |           |
|   |                                       |       |         |                  |         |                                       |       |        |         |            | ·     |       |             |           |       |                                       |             |            |                   |           |           |
|   |                                       |       |         |                  |         |                                       |       |        |         |            |       |       |             |           |       |                                       |             |            |                   |           |           |
|   |                                       |       |         |                  |         |                                       | ļ     |        |         |            |       |       |             |           |       |                                       |             |            |                   | <br> <br> | · · ·     |
|   |                                       |       |         | <u> </u>         |         |                                       |       |        |         |            |       |       |             |           |       | ·                                     |             |            |                   |           |           |
|   |                                       |       |         |                  |         |                                       |       |        |         |            |       |       |             |           |       |                                       |             |            |                   |           |           |
|   |                                       |       |         |                  |         |                                       |       | · · ·  |         |            |       |       |             |           |       |                                       |             |            |                   |           | · .       |
|   |                                       |       |         | 1                |         | · · · · · · · · · · · · · · · · · · · |       |        |         |            |       |       |             |           |       | ·                                     |             |            |                   |           |           |
|   |                                       |       |         |                  |         |                                       | :     | ·      |         | T          |       |       |             | 1         |       |                                       | 1           | 1          |                   |           |           |

| COMPANY                 | r                                     | 7    | Treym,      | in          | Res         | ource | 25 1    | Ltd.   |                |        |        |         |              |   |       | CORRE                                  | ECTED                                 | DIP TE      | STS                                   |         |             |
|-------------------------|---------------------------------------|------|-------------|-------------|-------------|-------|---------|--------|----------------|--------|--------|---------|--------------|---|-------|--|---------------------------------------|-------------|---------------------------------------|---------|-------------|
| DIAMO                   |                                       |      |             |             |             |       |         |        |                |        |        |         |              |   |       |  |                                       |             |                                       |         |             |
|                         |                                       | DAT  | E BEGAN     | Dec         | . 14        | 1984  | DATE    | COMPLI | ETED <u>De</u> | ec. 19 | 1984   |         |              |   | · · · | ·····                                  | •                                     |             |                                       |         |             |
| PROPERTY .              | Silve                                 | r .  |             | PROJ        | ECT NO      |       | DEPTH   | 18     | 3.19           | m      | ······ |         |              |   |       | -                                      |                                       |             |                                       |         |             |
| HOLE No                 | 84                                    | 7    | CO-OR       | D           | 405         |       | HORIZ   | ONTAL  | LENGTH         | 117    | .76    |         |              |   |       |  |                                       |             | 1 ×                                   |         |             |
| SHEET NO                | 1                                     |      |             | 4           | 170 W       |       | _ DIREC | TION _ | N 45           | °W     |        |         | n <b>a</b> u |   |       |  |                                       |             | · · · · · · · · · · · · · · · · · · · |         |             |
| CLAIM NO                | Silver                                | 6    | ELEVA       | TION        | 838         | ,20   | ANGLI   | =      | 50°            |        |        |         |              |   |       |  |                                       |             | RESIDENT                              | GEOLOGI | IST         |
|                         |                                       |      |             |             | A           | SSAY  |         |        | *              |        | WIDT   | I X ASS | AY           |   |       |  |                                       | AVERAG      | ES                                    |         |             |
| DEPTH(m)                |                                       |      | . 1         |             |             | ZN    | PB      | N1     |                |        |        |         |              |   | WIDTH | AU                                     | AG                                    | cυ          | ZN                                    | PB      | NI          |
| - 3.35                  |                                       |      | Over        | 1           |             |       | ļ       |        |                |        |        |         |              |   |       |  |                                       |             | ·····                                 | · .     | 12<br>      |
| 15-69.80<br>80-71.02    | 6967D                                 | 1.22 |             | 5amp<br>.01 | 124         |       |         |        |                |        |        |         |              |   |       |  |                                       |             |                                       |         | 1           |
| 02-110.03               |                                       |      | not         |             | led         |       |         |        |                |        |        | *H      |              |   |       |  |                                       |             |                                       |         |             |
| 03-110,95               | 6968D                                 |      | .00/        | .01         |             |       |         |        |                |        |        |         |              |   |       |  |                                       |             |                                       |         |             |
| 95-167.03               |                                       | 0.7  | not         | Sampl       | led         |       |         |        |                |        |        |         |              |   |       |  | <br>                                  | · · · · · · |                                       |         |             |
| •3-167.95<br>195-179.22 | 6969D                                 |      | ,001<br>not |             | ad          |       |         |        |                |        |        |         |              |   |       |  |                                       |             |                                       |         | +           |
| 32-18014                | 6970D                                 | 0.92 | ,00/        |             | <b>2</b> .4 |       |         |        |                |        |        |         |              |   |       |  |                                       |             |                                       |         |             |
| 14-183.19               |                                       | 1 1  | n•†         | 1           | led         |       |         |        |                |        |        |         |              |   |       |  |                                       |             |                                       |         | 1           |
| End                     | of hole                               |      |             |             |             |       |         |        |                |        |        |         |              |   |       |  |                                       |             |                                       |         | <u></u>     |
|                         |                                       |      |             |             |             |       |         |        |                |        |        |         |              |   |       |  |                                       |             |                                       |         |             |
|                         |                                       |      |             |             |             |       |         |        |                |        |        |         | · · ·        |   | · ·   |  |                                       |             |                                       |         |             |
|                         | · · · · · · · · · · · · · · · · · · · |      |             |             |             |       |         |        |                |        |        |         |              |   |       |  |                                       |             |                                       |         |             |
|                         |                                       |      |             | -           |             |       |         |        |                |        |        |         | · · ·        |   |       |  | ļ                                     |             |                                       |         | <u> .</u>   |
|                         |                                       |      |             |             |             |       |         |        |                |        |        |         |              |   |       | - 1                                    |                                       |             |                                       |         | <u></u>     |
|                         |                                       |      |             |             |             |       |         |        |                |        |        | ·····   |              |   |       |  |                                       |             |                                       |         |             |
|                         |                                       |      |             |             |             |       |         |        |                |        |        |         |              |   |       | ······································ |                                       |             |                                       |         |             |
|                         |                                       |      |             |             | · .         |       |         |        |                |        |        |         |              |   |       |  |                                       |             |                                       |         |             |
|                         |                                       |      |             |             |             |       |         |        |                |        |        | ÷ .     |              |   |       |  |                                       |             |                                       |         |             |
| · · ·                   |                                       | :    |             |             |             |       | 1       |        |                |        |        |         |              |   |       |  |                                       |             |                                       |         |             |
| <u> </u>                |                                       |      |             |             |             |       |         |        |                |        |        |         |              |   |       |  |                                       |             |                                       |         |             |
|                         |                                       |      |             |             |             |       |         |        | <u> </u>       |        |        |         |              |   |       | · · · · · ·                            |                                       |             |                                       |         | <u></u><br> |
|                         |                                       |      |             |             |             |       |         |        |                |        |        |         |              |   |       |  |                                       |             |                                       |         |             |
|                         |                                       |      |             |             |             |       |         |        |                | -      |        |         |              |   |       |  | · · · · · · · · · · · · · · · · · · · |             |                                       |         | <u>t</u>    |
|                         |                                       |      |             |             |             |       |         |        |                |        |        |         |              |   |       |  |                                       |             |                                       |         | 1           |
|                         |                                       |      |             |             |             |       |         |        | H              |        | +      |         |              |   |       |  |                                       |             |                                       |         | <u> </u>    |
|                         | -                                     |      |             |             |             |       |         |        | 1              |        |        |         | 1            | + |       |  |                                       | +           |                                       |         | <u></u>     |

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