

SUMMARY REPORT

1983 EXPLORATION PROGRAM

ON THE

WAYNE 2-6, DON 2-8, AND MARY E. 1F-2F CLAIMS

LATITUDE 63°53'N; LONGITUDE 135°40'W

MAYO MINING DISTRICT, YUKON TERRITORY

FOR

ISLAND MINING & EXPLORATION CO. LTD.

706 - 595 HOWE STREET

Vancouver, B.C. V6C 2T5

May, 1987

T.M Elliott, B.Sc., M.S.

EIP
89-018

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SUMMARY AND RECOMMENDATIONS

GOLD - TUNGSTEN MINERALIZATION

A ground magnetometer survey carried out on the Wayne Property of Island Mining & Explorations Co. Ltd. in the spring of 1983 located an anomaly caused by pyrrhotite associated with gold-tungsten skarn mineralization on the Don No. 8 claim. Seven-hundred and ninety-five metres of follow-up drilling in May of 1983 found at least two zones of skarn-related values which, because of 30°-40° dips, may be difficult to mine.

However, larger zones of low-grade mineralization such as those found in hole 83-1 from 15-46 metres and in hole 83-2 from 86.87-102.41 metres may be found in areas of other possible magnetic anomalies on the Wayne property or on United Keno Hill's ground. Therefore, it is strongly recommended that follow-up ground magnetometer surveying be undertaken to locate more of these pyrrhotite-bearing skarn zones. This would be followed-up by diamond drill testing of the larger and stronger anomalies in search of open-pitable zones rich in gold and tungsten.

SILVER-LEAD VEIN FAULTS

Two vein-faults were accidentally discovered on the Don No. 8 claims during the 1983 drill program. It is recommended that follow-up drilling of 3 to 6 holes per zone be carried out during the 1987 field season. The drilling would be from the southeast side of hole 83-2 and 83-3, respectively. The holes would be approximately 100 metres long to intersect the vein faults as they cut across the Central Quartzite Formation which is the favourable host for economic mineralization is the Keno Hill District.

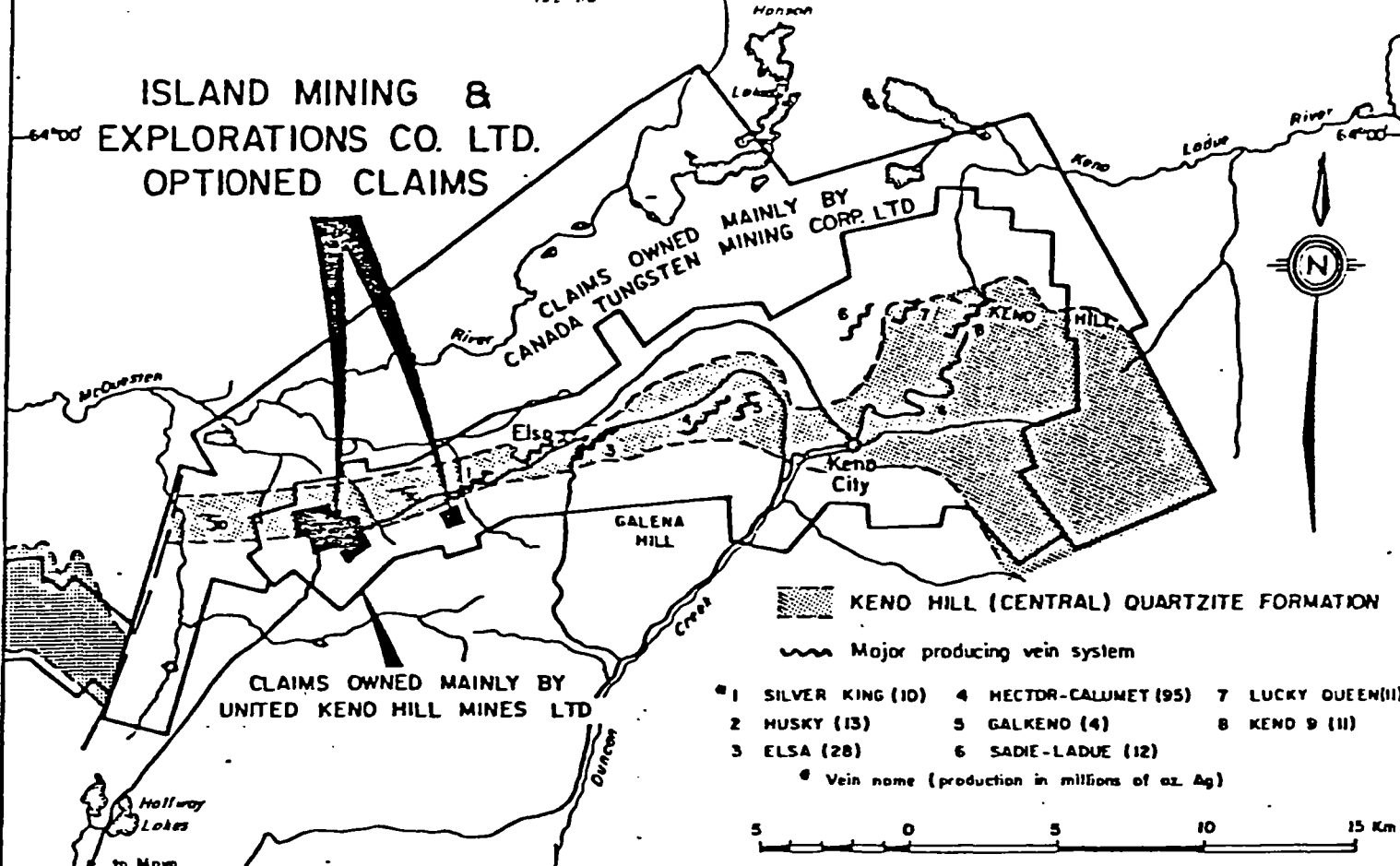
INTRODUCTION

This report is written at the request of Mr. Patrick Slaney, Secretary and Director of Island Mining & Explorations Co. Ltd.. During the first half of 1983, the writer supervised an exploration program of magnetometer surveying and diamond drilling on the property.

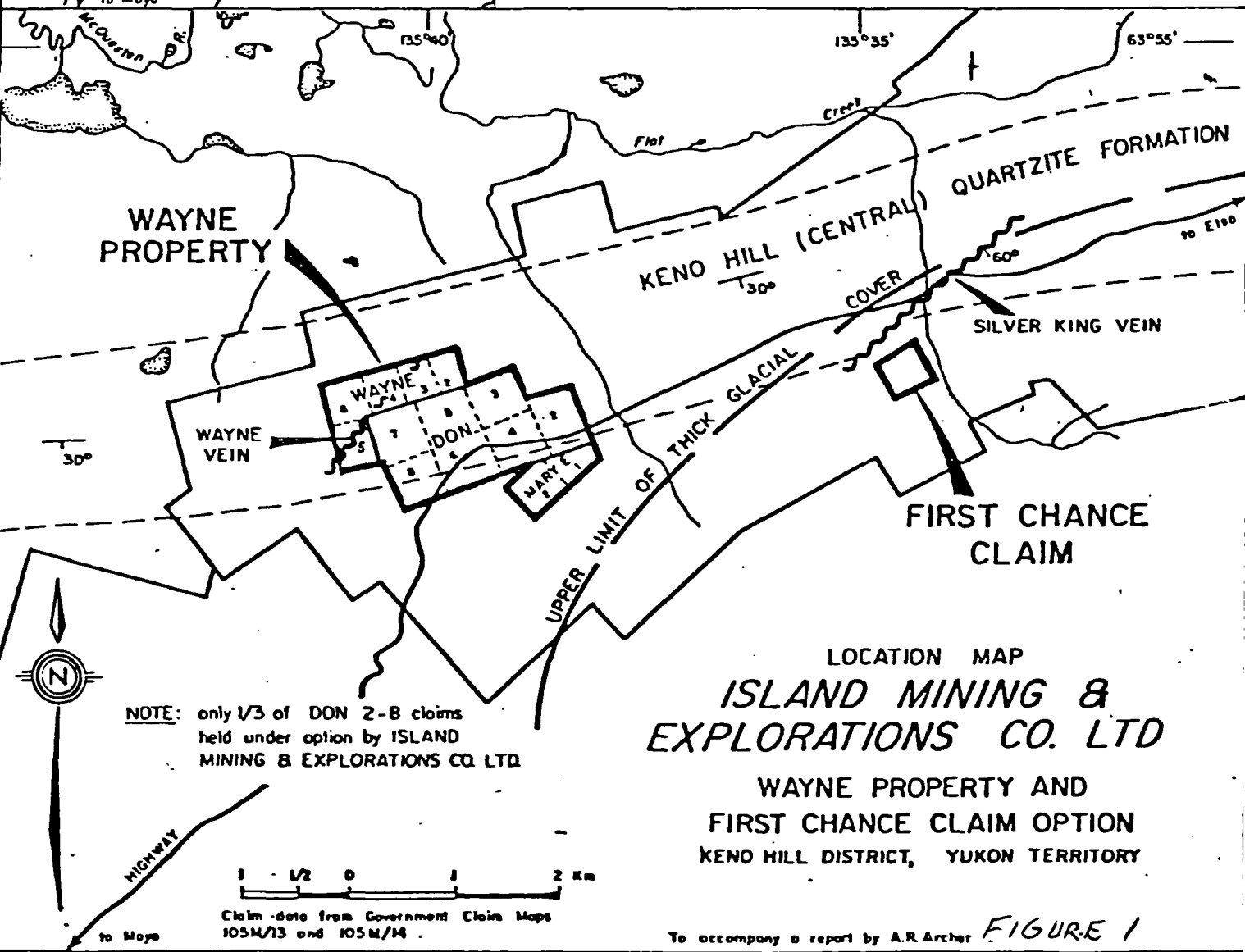
PROPERTY

The Wayne Property consists of 14 claims or fractions which have been grouped together for the filing of assessment work. The following is a list of the claims and their expiry dates.

**ISLAND MINING & EXPLORATIONS CO. LTD.
OPTIONED CLAIMS**



- KENO HILL (CENTRAL) QUARTZITE FORMATION
 ~~~~~ Major producing vein system
- |                    |                       |                    |
|--------------------|-----------------------|--------------------|
| 1 SILVER KING (10) | 4 HECTOR-CALUMET (95) | 7 LUCKY QUEEN (11) |
| 2 MUSKY (13)       | 5 GALKENO (4)         | 8 KENO 9 (11)      |
| 3 ELSA (28)        | 6 SADIE-LADUE (12)    |                    |
- Vein name (production in millions of oz. Ag)



**NOTE:** only 1/3 of DON 2-8 claims held under option by ISLAND MINING & EXPLORATIONS CO. LTD.

**LOCATION MAP  
ISLAND MINING & EXPLORATIONS CO. LTD**

**WAYNE PROPERTY AND  
FIRST CHANCE CLAIM OPTION  
KENO HILL DISTRICT, YUKON TERRITORY**

Claim data from Government Claims Maps 105M/13 and 105M/14.

| <u>Claim Name</u> | <u>Tag Number</u> | <u>Expiry Date</u> |
|-------------------|-------------------|--------------------|
| Wayne 2-4         | 62880-62882       | Aug. 30, 1990      |
| Wayne 5-6         | 62901-62902       | Dec. 17, 1990      |
| Don 2-8           | 62884-62890       | Aug. 30, 1991      |
| Mary E 1F         | 80531             | Aug. 30, 1990      |
| Mary E 2F         | 80532             | Aug. 30, 1991      |

The Wayne 5 and 6 claims are surveyed as lots 1157 and 1158, respectively. These claims and the others of this group (including the Don and Mary E fraction claims) are 100% owned by Island Mining & Exploration Co. Ltd..

#### LOCATION AND ACCESS

See 1981 Summary Report by A.R. Archer and T.M. Elliott

#### HISTORY

See 1981 Summary Report by A.R. Archer and T.M. Elliott

#### WORK DONE

During March and April of 1983, the writer carried out a ground magnetometer survey over the southern portion of the claim group. Several magnetically-anomalous areas were discovered, including an area at the west end of the old Proctor airstrip.

In May, approximately 795 metres (2610 feet) of diamond drilling tested pyrrhotite-bearing schist, quartzite and skarn.

#### REGIONAL GEOLOGY

See 1981 Summary Report by A.R. Archer and T.M. Elliott

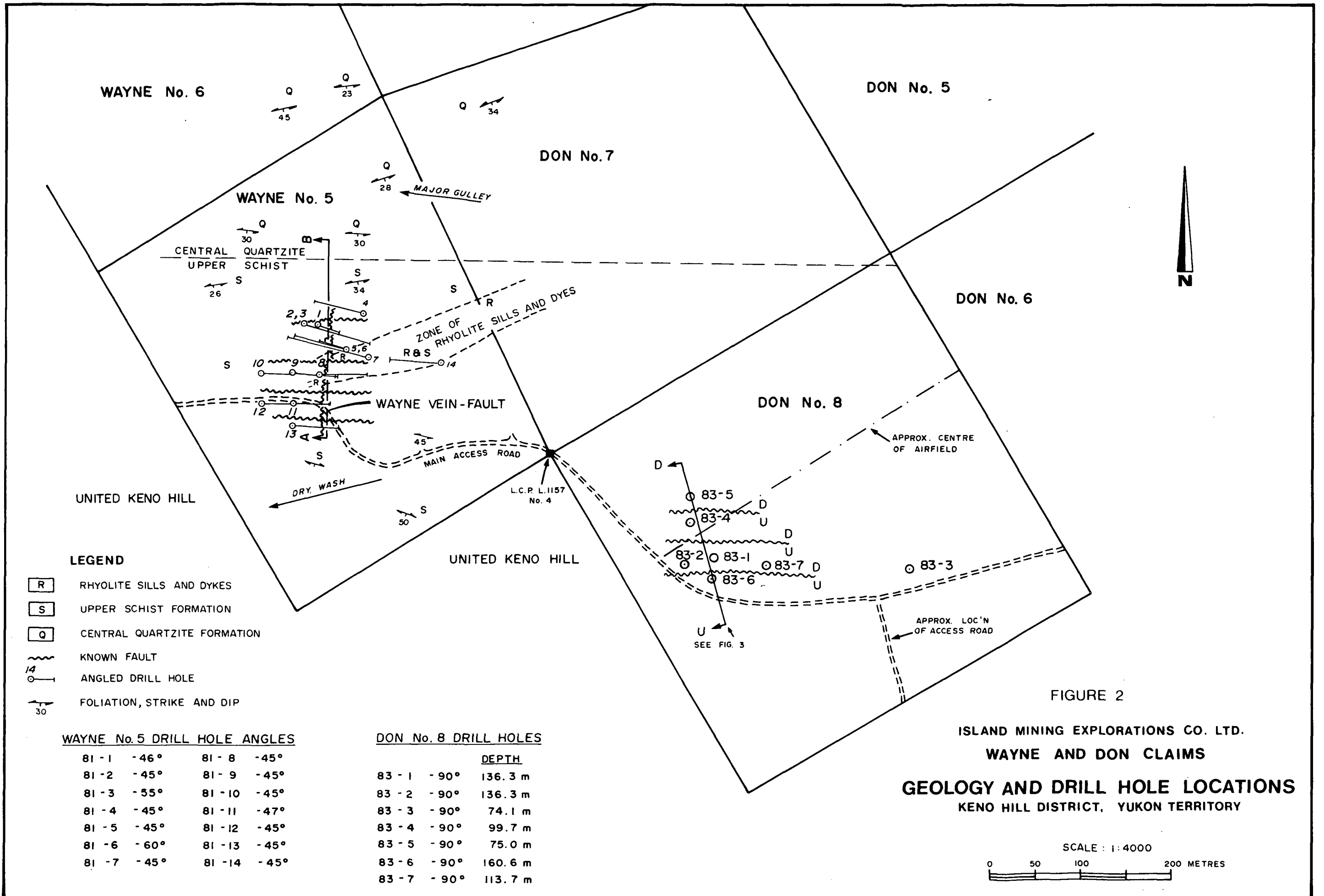
#### PROPERTY GEOLOGY

An important contact between the Upper Schist Formation and the Central Quartzite Formation extends east-west across the Wayne No. 5 and Don No. 7 claims. Observed dips of foliation and sedimentary banding in these units are 30°- 45° in drill core on the Don No. 8 claim (see Fig. 2).

Limestone beds which are often host to gold-tungsten mineralization are found in both the Upper Schist and Central Quartzite Formations.

Rhyolite sills and dykes which are genetically associated with the mineralization were logged in 1983 drill holes 83-1, 83-4, 83-6, and 83-7.

Projection of the Upper Schist Formation - Central Quartzite



**LEGEND**

- R RHYOLITE SILLS AND DYKES
- S UPPER SCHIST FORMATION
- Q CENTRAL QUARTZITE FORMATION
- KNOWN FAULT
- ANGLED DRILL HOLE
- FOLIATION, STRIKE AND DIP

**WAYNE No. 5 DRILL HOLE ANGLES**

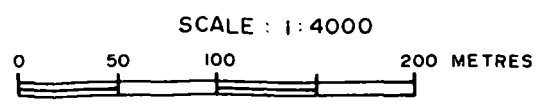
|        |       |         |       |
|--------|-------|---------|-------|
| 81 - 1 | - 46° | 81 - 8  | - 45° |
| 81 - 2 | - 45° | 81 - 9  | - 45° |
| 81 - 3 | - 55° | 81 - 10 | - 45° |
| 81 - 4 | - 45° | 81 - 11 | - 47° |
| 81 - 5 | - 45° | 81 - 12 | - 45° |
| 81 - 6 | - 60° | 81 - 13 | - 45° |
| 81 - 7 | - 45° | 81 - 14 | - 45° |

**DON No. 8 DRILL HOLES**

|        |       | <u>DEPTH</u> |
|--------|-------|--------------|
| 83 - 1 | - 90° | 136.3 m      |
| 83 - 2 | - 90° | 136.3 m      |
| 83 - 3 | - 90° | 74.1 m       |
| 83 - 4 | - 90° | 99.7 m       |
| 83 - 5 | - 90° | 75.0 m       |
| 83 - 6 | - 90° | 160.6 m      |
| 83 - 7 | - 90° | 113.7 m      |

**FIGURE 2**

ISLAND MINING EXPLORATIONS CO. LTD.  
**WAYNE AND DON CLAIMS**  
**GEOLOGY AND DRILL HOLE LOCATIONS**  
 KENO HILL DISTRICT, YUKON TERRITORY





Formation contact between the north-south fence of drill holes on the Don No.8 claim suggests a series of step-faults with vertical displacements of 30-50 metres between holes. The sense of movement is such that the stratigraphy repeats itself with upward fault movement to the south (see Fig. 3). This is the same sense of movement previously identified between a north-south line of drill holes on the Wayne No. 5 claim.

Mineralization

A. Vein Faults

Unexpectedly, two small vein-faults were intersected in the 1983 drilling. In hole 83-2, vein fault breccia was intersected from 76.28 to 78.50 metres(see 1983 drill logs). It consists of 2mm. to 2 cm. fragments of Central Quartzite Formation cemented by white quartz. The breccia is also cemented by massive brown siderite and approximately 5-7% pyrite.

Evidence of a halo of the above vein-fault was also intersected in hole 83-1 from 64.99 to 65.74 metres. This halo consists of quartz-carbonate with minor galena and sphalerite mineralizing the Central Quartzite Formation.

Approximately 255 metres to the east of hole 83-2, another vein fault was luckily intersected in hole 83-3 from 55.25 to 56.12 metres. Here, Central Quartzite Formation is sheared and brecciated. The matrix is mainly quartz with 5% brown siderite and 1-2% pyrite. There is also 0.1% sphalerite and minor galena.

Because there are only small amounts of galena and sphalerite in these intersections, none of this core was submitted for assay.

B. Gold-Tungsten Mineralization

The 1983 drilling program on the Don. No. 8 claim was aimed at testing a strong magnetic anomaly associated with skarn gold-tungsten mineralization. Previous analysis of core on the Wayne No. 5 claim had indicated the presence of magnetic pyrrhotite associated with the mineralization.

Results (see Appendix 2 Assays) of the 1983 drilling show the following intersections of interest:

| <u>Drill Hole</u> | <u>Core Interval</u> | <u>Opt. Au</u> | <u>Opt. Ag</u> | <u>% W</u> |
|-------------------|----------------------|----------------|----------------|------------|
| 83-1              | 53.09- 56.14 m.      | 0.073          | 10.05          | 0.052      |
| 83-1              | 100.63-103.68 m.     | 0.073          | 10.05          | 0.080      |
| 83-1              | 106.73-109.68 m.     | 0.082          | 10.05          | 0.082      |
| 83-1              | 109.00-110.21 m.     | 0.295          | 0.42           | 0.380      |
| 83-4              | 74.74- 75.72 m.      | 0.298          | 0.06           |            |
| 83-4              | 75.72- 76.72 m.      | 0.062          | 10.05          |            |



|      |                  |       |       |
|------|------------------|-------|-------|
| 83-6 | 63.60- 66.65 m.  | 0.163 | L0.05 |
| 83-6 | 108.81-110.55 m. | 0.205 |       |
| 83-7 | 29.31- 30.83 m.  | 0.256 |       |

As indicated by the astericks (\*) in Figure 3, two zones of mineralization are postulated: (1) an upper zone intersected in holes 83-6 and 83-1 and (2) a lower zone intersected in holes 83-6, 83-1 and 83-4. It is likely that the mineralization is post faulting or else the correlation of intersections could not be made except by returning the skarn-quartzite-limestone horizons to their postulated pre-fault positions.

Of some interest in thinking about the potential of these pyrrhotite-rich magnetic anomalies is the fact that low grade gold mineralization is found in a composite intersection from 15m-56m (135 feet) in hole 83-1 at an overall grade of 0.018 opt Au.

### CONCLUSIONS

The 1983 drill program tested a strong magnetic anomaly on the Don No. 8 claim for skarn gold-tungsten mineralization similar to that previously found on the Wayne No. 5 claim in 1981. Most of the interesting gold assays are associated with quartzites, limestones and skarns well below the Upper Schist Formation-Central Quartzite Formation contact. An exception to this is low grade gold (0.018 opt.) values from 15-56m. in drill hole 83-1.

There is the potential of finding low grade, open-pitable gold tungsten zones associated with other magnetic anomalies on this property as well as on United Keno Hill's claims.

Although the gold-tungsten-bearing skarns returned "interesting" values over short core lengths, it is difficult to guess if they have good continuity across the postulated step-faults. In addition, the dips of these stratigraphically-conformable units (30°-45°) may make possible future mining difficult.

By chance, two vein-faults were intersected in holes 83-2 and 83-3 which are separated by 255 metres from west to east. Although these zones were only weakly mineralized, further drilling of these structures may intersect economic-grade lead-silver.

APPENDIX I

DRILL LOGS (HOLE 83-1 to 83-7)

COMPOSITE DRILL LOG

CORE SIZE 1Q:  
 CASING COLLAR ELEV.:  
 COORDINATES : 1955x 500 E  
 INCLINATION 090°

SCALE :  
 GROUND ELEV.:  
 AZIMUTH : 04

PROJ : NON CLAIMS  
 DATE STARTED : MAY 13, 1983  
 DATE FINISHED : MAY 15, 1983  
 TOTAL DEPTH : 136.3 m = 447 feet

HOLE No. PDH : D5 -1  
 PAGE No. 1 OF 7  
 REF. TO CLAIM CORNER :  
 LOGGED BY T.M. ELLIOTT

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS:                                                                                                                                                                                       | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL (m) | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS              |  |  |  |  |
|-----------|------------|------------|----------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------|------------------|-------------|-----------|------------|--------------------|---------------------|---------------------|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                                                                 |                      |                       |                  |             |           |            |                    |                     | DESCRIPTIVE GEOLOGY |  |  |  |  |
| 0.8       |            |            |          |         | 0-14 feet (4.26m) CASING                                                                                                                                                                        |                      |                       |                  |             |           |            |                    |                     |                     |  |  |  |  |
|           |            |            |          |         | 4.26m - 9.50m : Rusty medium gray quartz-rich schist. Locally green bands up to 5mm thick with minor disseminated pyrrhotite. Some 1/2cm calcite lenses. 2cm of 5% pyrite at 9.30m.             |                      | 4.26                  | 50%              |             |           |            |                    |                     |                     |  |  |  |  |
|           |            |            |          |         | 9.50m - 9.75m = fault gouge                                                                                                                                                                     |                      | 9.75m                 | 80%              |             |           |            |                    |                     |                     |  |  |  |  |
|           |            |            |          |         | 9.75m - 10.45m = Rusty medium gray quartz-rich SCHIST. Schistosity is 45° to the core axis. Locally graphitic                                                                                   |                      | 11.25m                | 82%              |             |           |            |                    |                     |                     |  |  |  |  |
| 54952     |            |            |          |         | 10.45m - 11.97m Altered; banded, rusty, medium gray schist. Mineralized with ca 2% pyrrhotite and 1-2% pyrite (py). 8cm pe-rich section at top. 10% pe and minor chalcopyrite (cpy). Qtz lenses |                      | 12.7m                 | 95%              | 3-4         |           |            |                    |                     |                     |  |  |  |  |
| 56953     |            |            |          |         | 11.97 - 13.49m = As above, but only 2-3% pe + py. One 10cm section of limestone at 12.9m. Banding is 45-50° to the core axis                                                                    |                      | 13.91m                | 85%              | 2-3         |           |            |                    |                     |                     |  |  |  |  |
| 56954     |            |            |          |         | 13.49 - 15.01m = As above with only 1-2% py + po                                                                                                                                                |                      | 15.2m                 | 91%              | 2           |           |            |                    |                     |                     |  |  |  |  |
|           |            |            |          |         | 15.01m - 18.06 = light to dark gray rusty siliceous schist w. 1/2 - 1cm quartz                                                                                                                  |                      | 16.15                 | 89%              |             |           |            |                    |                     |                     |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                 |                      | 17.31                 | 84%              | 1 1/2       |           |            |                    |                     |                     |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : SCALE : PROJE : HOLE No. **DDH 085-1**  
 CASING COLLAR ELEV.: GROUND ELEV.: DATE STARTED : PAGE No. **2** OF  
 COORDINATES : N. E. DATE FINISHED : REF. TO CLAIM CORNER :  
 INCLINATION : AZIMUTH : TOTAL DEPTH : LOGGED BY :

| DEPTH (M) | ALTERATION |  |  | FRACTURING | MINERALS | GEOLOGY | COMMENTS:                                                                                                                                                                                  | AVG. CORE RECY/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE NO. | % SAMPLE RECOVERED | SAMPLE INTERVAL (M) | ASSAYS |  |  |  |  |
|-----------|------------|--|--|------------|----------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|
|           |            |  |  |            |          |         |                                                                                                                                                                                            |                     |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |  |  |            |          |         |                                                                                                                                                                                            |                     |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |  |  |            |          |         | lenses. Approx 1-2% Po.<br>At 16.85m approx. 7cm gouge<br>lost 20cm is green SKARN<br>SKARN to 18.7m.                                                                                      |                     |                   |                  | 1 1/2       |           |            |                    |                     |        |  |  |  |  |
|           |            |  |  |            |          |         | 18.06m - 21.11m = Brown grey and<br>green siliceous SKARN. 1 1/2% Po &<br>minor py Py violet Broken ground<br>from 20.42 - 20.55m.                                                         | 16.89               | 20.42             | 100              | 1 1/2       |           |            |                    |                     | 1.10   |  |  |  |  |
|           |            |  |  |            |          |         | 21.11m - 24.16m = Dark grey, banded<br>siliceous SKARN. Irregular quartz<br>lenses & blebs common. 4% Po 1/2% py<br>Minor Aspy (ARSENOPYRITE)                                              | 21.33               | 23.47             | 82               | 4 1/2       |           |            |                    |                     | 1.25   |  |  |  |  |
|           |            |  |  |            |          |         | 24.16 - 27.21m = Banded green & grey<br>SKARN Banding 45° to core axis.<br>5% to inch 1/2% py Some Sl (sphalerite)<br>Some included blocks (3cm) of limestone<br>Minor W From 25.6 = badly | 26.52               | ca. 90            |                  | 5           |           |            |                    |                     |        |  |  |  |  |
|           |            |  |  |            |          |         | 27.21 - 30.26m. Feat. black graph. schist<br>Siliceous dark grey graphitic schist ctg.<br>3% disseminated Po. 1 x 2mm band of<br>magnetite.                                                | ca. 90              | ca. 90            |                  | 3           |           |            |                    |                     |        |  |  |  |  |
|           |            |  |  |            |          |         | 30.26 - 33.31m = Siliceous medium grey<br>SCHIST w. 2% Py + Po. Gouge from<br>31.85 - 32.00m. Banding 60° to core<br>axis.                                                                 | ca. 90              | ca. 90            |                  | 2           |           |            |                    |                     |        |  |  |  |  |
|           |            |  |  |            |          |         | 33.31 - 36.36m = Dark brown & light                                                                                                                                                        | 36.36               |                   |                  |             |           |            |                    |                     |        |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : SCALE : PROJ : HOLE No. DDH D -1  
 CASING COLLAR ELEV.: GROUND ELEV.: DATE STARTED : PAGE No. 3 OF  
 COORDINATES : N. E. DATE FINISHED : REF. TO CLAIM CORNER :  
 INCLINATION : AZIMUTH : TOTAL DEPTH : LOGGED BY :

| DEPTH (m) | ALTERATION |   |   | FRACTURING | MINERALS | GEOLOGY | COMMENTS:                                                                                                                                                                                          | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |
|-----------|------------|---|---|------------|----------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|
|           |            |   |   |            |          |         |                                                                                                                                                                                                    |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |
|           |            |   |   |            |          |         | gray banded schist - <sup>newly</sup> <del>banded</del><br>1 1/2% Py                                                                                                                               |                      |                   |                  | 1/2         |           |            |                    |                     |        |  |  |  |
|           | 5          | 8 | 9 | 6          | 2        |         | 36.36 - 39.51 m = Black graphitic<br>SCHIST to 38.80 m. Quartz lenses<br>abundant. At 38.80 = RHYOLITE SILK<br>which is light to med. gray and is fine<br>epi-granular. Section has only 1/2-1% Fe | 36.36                | 36                | 94               | 3/4         |           |            |                    |                     |        |  |  |  |
|           | 5          | 6 | 9 | 6          | 3        |         | 39.41 - 40.20 m = Continuation of RHYOLITE<br>SILK. Lower contact 55° to the core axis                                                                                                             |                      |                   | 97               |             |           |            |                    |                     |        |  |  |  |
|           |            |   |   |            |          |         | 40.20 - 42.46 m = MIXED LIGHT GREEN<br>SKARN & MED GRAY SCHIST Only<br>1/2-1% Fe                                                                                                                   | 41.76                |                   | 96               | 3/4         |           |            |                    |                     |        |  |  |  |
|           |            |   |   |            |          |         | 42.46 m - 45.51 m Mainly siliceous SCHIST<br>w. minor interbedded green SKARN. Breccia<br>ca. 50° to core axis. 1/2% Fe or less.                                                                   | 44.81                |                   | 100              | 1/2         |           |            |                    |                     |        |  |  |  |
|           | 5          | 6 | 9 | 6          | 4        |         | 45.51 - 47.80 m = Brown to gray SCHIST.<br>47.80 m* - 50.04 = Dark greenish gray<br>SKARN. Minor W in Q-wire - 1 cm R - 51 vein<br>Also light gray L.S. interbedding 1-2% Fe                       | 47.85                |                   | 99               | 1/2         |           |            |                    |                     |        |  |  |  |
|           |            |   |   |            |          |         | 50.04 - 53.09 m = Dark gray graphitic<br>and siliceous SCHIST 1/2% Fe                                                                                                                              | 50.90                |                   | 96               | 1/2         |           |            |                    |                     |        |  |  |  |
|           | 5          | 6 | 9 | 6          | 5        |         | 53.09 m* - 56.14 m = Brown biotite SCHIST<br>and gray SCHIST. Includes 50 cm<br>of strongly quartz veined schist                                                                                   | 53.95                |                   | 98               | 2 1/2       |           |            |                    |                     | 2.30   |  |  |  |
|           |            |   |   |            |          |         |                                                                                                                                                                                                    | 57.00                |                   |                  |             |           |            |                    |                     |        |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : SCALE : PROJ : HOLE No. **DDH : D 3-1**  
 CASING COLLAR ELEV.: GROUND ELEV.: DATE STARTED : PAGE No. **4** OF  
 COORDINATES : N. E. DATE FINISHED : REF. TO CLAIM CORNER :  
 INCLINATION : AZIMUTH : TOTAL DEPTH : LOGGED BY :

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                                                                                              | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |  |
|-----------|------------|------------|----------|---------|-------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|--|
|           |            |            |          |         |                                                                                                                         |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | ctg. massive 3-4cm blebs of pyrite                                                                                      |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 56.14m - 59.19m = <u>SCHIST</u> , locally biotite rich. From 58m is strongly graphitic. 1% Py and ~1/2% Po              |                      |                   | 98               | 1           |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | From 58.76 - 59.19m = shearing and minor gneiss                                                                         |                      | 59.21             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 59.19 - 62.24m = Med. to dark grey banded <u>QUARTZITE</u> 1 1/2% Py and <1/2% Po. Minor Cpy. Banding 45° to core axis. |                      |                   | 97               | 2           |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                         |                      | 61.28             | 89               |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                         |                      | 63.11             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 62.24 - 65.29m = <u>QUARTZITE</u> 1/2-1% Py w. minor Po, G, SI, and Cpy.                                                |                      |                   | 93               | 3/4         |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                         |                      | 66.16             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 65.29 - 68.34m = Banded <u>QUARTZITE</u> which is limy. Some local skewed Q lenses with Po adjacent to them             |                      |                   | 98               |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 4% Po + minor Py and G/Sl                                                                                               |                      | 67.85             |                  | 4           |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | Roughly 45 cm of Q - Carbonate ± G & SI at beginning of section. This also continues 30 cm into above section           |                      |                   | 94               |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                         |                      | 69.19             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 68.34m - 71.39m = <u>QUARTZITE</u> w. abundant 1/2-4cm Q lenses Ca.                                                     |                      |                   | 91               | 4           |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 2% Py + 2% Po. local skewed                                                                                             |                      | 70.71             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                         |                      |                   | 95               |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 71.39 - 74.44m = <u>QUARTZITE</u> w. 35cm                                                                               |                      | 72.23             |                  | 1 1/2       |           |            |                    |                     |        |  |  |  |  |  |

5696  
 RUSH FOR Au  
 PHALO OF  
 A VEIN?

COMPOSITE DRILL LOG

CORE SIZE :  
 CASING COLLAR ELEV. :  
 COORDINATES :  
 INCLINATION :

SCALE :  
 GROUND ELEV. :  
 N. E.  
 AZIMUTH :

PROJ :  
 DATE STARTED :  
 DATE FINISHED :  
 TOTAL DEPTH :

HOLE No. **DDH 108 - 1**  
 PAGE No. **5** OF  
 REF. TO CLAIM CORNER :  
 LOGGED BY :

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS:                                                                                                                                                 | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |  |
|-----------|------------|------------|----------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                           |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | green skarn. 1/2% Fe + minor Py.                                                                                                                          |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 74.44m - 76.30m banding 60% to core axis in phyllitic QUARTZITE local narrow green skarn. 2% Fe & 1% Py                                                   |                      | 75.28             | 99               | 3           |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 76.30m - 79.55m = Sulphide - poor SKARN of green banded calc-silicates and some quartzite Banding is 50% to core axis. Ca 1% Fe & 1/2% Py                 |                      | 78.33             | 100              | 1 1/2       |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 79.55m - 82.60m = Med. to dark gray banded QUARTZITE (phyllitic & graphitic) 1% Py + 1% Fe                                                                |                      | 80.95             | 100              | 2           |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 82.60m - 85.65m = banding in SKARN ca. 55° to the core axis. SAMPLE TAKEN at 83.60m. Fe ≈ 2% Py < 1/2% Some remnant quartzite. SKARN is weak in sulphides |                      | 83.82             | 99               | 2 1/2       |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 85.65m - 88.70m = light gray SKARN as above. Only one 1/2 cm. Qtz. vein. 1% Fe + minor Py                                                                 |                      | 86.86             | 98               | 1           |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 88.70 - 91.75m = med. to dark gray phyllitic & graphitic QUARTZITE 45 cm of SKARN included Minor Cpy 1 1/2% Fe                                            |                      | 89.91             |                  | 1 1/2       |           |            |                    |                     |        |  |  |  |  |  |





COMPOSITE DRILL LOG

CORE SIZE : SCALE : PROJ : HOLE No. *DDH : D 3-1*  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : PAGE No. *7* OF  
 COORDINATES : N. E. DATE FINISHED : REF. TO CLAIM CORNER :  
 INCLINATION : AZIMUTH : TOTAL DEPTH : LOGGED BY :

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |
|-----------|------------|------------|----------|---------|-------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|
|           |            |            |          |         |                                           |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | DESCRIPTIVE GEOLOGY                       |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | skarn Banding ca. 65° to core axis        |                      | 117               | 95               | 91          |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | in Schistosity still dipping 45° since    |                      | 121               | 00               | 96          |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | dip test shows hole ca. 72° at            |                      |                   | 97               | 2           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | bottom. From 123 m, there are 2-4mm       |                      | 124               | 05               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | andalusite crystals in graphitic sections |                      |                   | 99               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 1% Pb + 1% Py                             |                      | 127               | 09               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                           |                      |                   | 96               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | E.O.H. = 136.24 m                         |                      | 130               | 14               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | = 447 feet                                |                      |                   | 98               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                           |                      | 133               | 19               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                           |                      |                   | 97               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                           |                      | 136               | 24               |             |           |            |                    |                     |        |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE VQ : SCALE : PROJ : DON CLAIMS HOLE No. DDH : D 73-2  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : MAY 15, 1983 PAGE No. 1 OF  
 COORDINATES : 200m<sup>S</sup> 469m<sup>E</sup> DATE FINISHED : MAY 17, 1983 REF. TO CLAIM CORNER :  
 INCLINATION 090° AZIMUTH : TOTAL DEPTH : 136.3 = 447 feet LOGGED BY T.M. ELLIOTT

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS                                                                                                                                                                                                                                     | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL (m) | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE NO. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |
|-----------|------------|------------|----------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      |                       |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 0.8 CASING to 2.44m                                                                                                                                                                                                                          |                      |                       |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 2.44m - 9.0m <sup>Black</sup> Graphitic SCHIST w. 2mm - 1cm Qtz. siliceous Banding is 45° to the core axis. Some 10-20 fault gouge zones.                                                                                                    |                      | 2.44                  | 70               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 4.15                  | 69               | 0           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 8.23                  | 83               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 11.16                 | 83               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 9.0m - 27.74 m = Med. gray SCHIST. Locally limy. Some 10cm long zones of badly broken rock. Gouge from 15.95 - 16.65m. Some small (2-5mm) calcite veins locally. 1/2% Py + 1/2% Po                                                           |                      | 12.80                 | 83               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 14.02                 | 98               | 1           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 15.24                 | 71               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 16.64                 | 84               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 18.59                 | 90               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 19.51                 | 80               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 27.74 - 30.79 = Sulphide-rich schist cty. lenses of Qtz. Pyrrhotite (4%) w. sulphide-rich bands                                                                                                                                              |                      | 20.73                 | 87               | 4           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 23.16                 | 84               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 25.30                 | 93               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 26.82                 | 98               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 30.79 - 32.46 = Med. gray banded schist 1% Po.                                                                                                                                                                                               |                      | 27.29                 | 71               | 1           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 29.56                 | 56               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 30.49                 | 87               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 32.46                 | 72               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 32.46m - 37.10m Black graphitic SCHIST 1% Po                                                                                                                                                                                                 |                      | 35.66                 | 96               | 1           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 38.71                 | 92               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 41.76                 | 79               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 37.10m - 49.37m = Med-dk. gray more siliceous and less graphitic SCHIST. Very fine grained sulphides. Less blacky ground - good core recovery. Banding is 35-40° to the core axis. 40cm section of green Po - beneath SKARN at 43.30m. 1% Po |                      | 44.80                 | 98               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 47.85                 | 47               | 1           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                              |                      | 50.80                 |                  |             |           |            |                    |                     |        |  |  |  |  |

ASSAY \*  
57051



COMPOSITE DRILL LOG

CORE SIZE : SCALE : PROJ : HOLE No. DDH : D 3-2  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : PAGE No. 3 OF  
 COORDINATES : N. E. : DATE FINISHED : REF. TO CLAIM CORNER :  
 INCLINATION : AZIMUTH : TOTAL DEPTH : LOGGED BY :

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                                                                                                                                                                                       | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |
|-----------|------------|------------|----------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                                                                                  |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | siderite and roughly 5-7% Py<br>Some irregular Q. veining (w/ Py)<br>parallel to the core axis and some<br>Q ± carbonate (calcite) stringers<br>perpendicular to bedding of schistosity<br>at 78.4 m.            |                      | 78.38             |                  | 6           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 78.50-80.77 m = Med. gray banded<br><u>QUARTZITE</u> . Approx 80 cm of low<br>sulphide banded SKARN from 81.0<br>- 81.8 m.                                                                                       |                      | 80.77             |                  | 1           |           |            |                    |                     |        |  |  |  |  |
|           | ASSAY *    |            |          |         | 80.77-83.82 = <u>MIXED QUARTZITE</u><br>and <u>SKARN</u> including the section<br>noted above. Entire section includes<br>approx 1.6 m of skarn. Minor<br>(Py) Banding is 45° to the core<br>axis. Approx. 2% Pb |                      | 83.82             |                  | 2           |           |            |                    |                     |        |  |  |  |  |
|           | 57055      |            |          |         | 83.82-86.87 m = approx. 1/2 and 1/2<br><u>QUARTZITE</u> and <u>SKARN</u> . Ca. 3%<br>Pb Banded SKARN 3% Pb                                                                                                       |                      | 86.43             |                  | 3           |           |            |                    |                     |        |  |  |  |  |
|           | ASSAY *    |            |          |         | 86.87-89.92 m = Mainly low sulphide<br>banded <u>SKARN</u> 1% Pb. 5 cm of<br>high sulphide green skarn in section                                                                                                |                      | 87.47             |                  | 1           |           |            |                    |                     |        |  |  |  |  |
|           | ASSAY *    |            |          |         | 89.92-92.97 m = Med. to dk. gray<br>banded <u>QUARTZITE</u> . 1/2 cm - 1 cm<br>white Q. parallel to schistosity.                                                                                                 |                      | 90.52             |                  | 4           |           |            |                    |                     |        |  |  |  |  |
|           | 57058      |            |          |         |                                                                                                                                                                                                                  |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : SCALE : PROJ : HOLE No. DDH : L 13-2  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : PAGE No. 4 OF  
 COORDINATES : N. E. DATE FINISHED : REF. TO CLAIM CORNER :  
 INCLINATION : AZIMUTH : TOTAL DEPTH : LOGGED BY J.M.: ELLIOTT

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                                                                                                                                                                                                     | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |
|-----------|------------|------------|----------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                                                                                                |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | Approx 4% Po                                                                                                                                                                                                                   |                      | 90.52             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           | ASSAY *    |            |          |         | 92.97 - 94.69 m = Gray and green banded SKARN & L.S. 3% Po.                                                                                                                                                                    |                      | 93.57             | 95               | 3           |           |            |                    |                     |        |  |  |  |  |
|           | 57059      |            |          |         | 94.69 - 99.36 m = Dk. gray QUARTZITE w. some sections of SKARN up to 30cm across Will assay later if the above sections are good ** 3% Po                                                                                      |                      | 96.62             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                |                      | 99.36             | 100              | 3           |           |            |                    |                     |        |  |  |  |  |
|           | ASSAY *    |            |          |         | 99.36 - 102.41 m = Po-rich (3%) QUARTZITE. At 99.80 is 5 cm of Q = Aspy (arsenopyrite) - scheelite. The calc. is coarse. There are also some 1-3 mm Q veins which cut across the schistosity.                                  |                      | 102.10            |                  |             |           |            |                    |                     |        |  |  |  |  |
|           | 57060      |            |          |         |                                                                                                                                                                                                                                |                      |                   | 100              | 3           |           |            |                    |                     |        |  |  |  |  |
|           | ASSAY *    |            |          |         | 102.41 - 105.46 m = QUARTZITE & SKARN. SKARN from 103.85 m to 105.40 m. 2% Po mainly in the quartzite                                                                                                                          |                      | 105.15            | 97               |             |           |            |                    |                     |        |  |  |  |  |
|           | 57061      |            |          |         |                                                                                                                                                                                                                                |                      | 108.20            | 95               | 2           |           |            |                    |                     |        |  |  |  |  |
|           | or 62      |            |          |         |                                                                                                                                                                                                                                |                      | 111.40            | 97               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 105.46 - 136.24 m = QUARTZITE w. Po-bearing veins or veins parallel to schistosity carrying the Po. Some SKARN interbeds up to 20 cm long. From 108.65 m to 110.35 m = siliceous zone. (Will assay if other sections good! **) |                      | 114.45            | 97               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                |                      | 117.65            | 97               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                |                      | 120.69            | 99               | 2           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                |                      | 123.74            |                  |             |           |            |                    |                     |        |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE :  
 CASING COLLAR ELEV. :  
 COORDINATES :  
 INCLINATION :

SCALE :  
 GROUND ELEV. :  
 N. E.  
 AZIMUTH :

PROJ :  
 DATE STARTED :  
 DATE FINISHED :  
 TOTAL DEPTH :

HOLE No. **DDH 83-2**  
 PAGE No. **5** OF  
 REF. TO CLAIM CORNER :  
 LOGGED BY **T.M. ELLIOTT**

| DEPTH (m) | ALTERATION |  |  | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                                                                                                                                                                                                                                                                                                                                          | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |  |
|-----------|------------|--|--|------------|----------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|--|
|           |            |  |  |            |          |         |                                                                                                                                                                                                                                                                                                                                                                     |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |  |  |            |          |         | <p>mineral <b>(W)</b> Quartz lenses common. Locality (2-5 cm) strong Po. Strong Po - weak scheelite at 116.24m from 115.94m. Minor W in some other sections. Also minor scheelite to 116.25m. Bending is 45° to the core axis. From 130m, Quartzite is black and graphitic. Andalusite xls. from 130m. down 3% Po. Minor Py.</p> <p>E.O.H. = 136.24 m = 447 ft.</p> |                      | 123.71            | 94               |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |  |  |            |          |         |                                                                                                                                                                                                                                                                                                                                                                     |                      | 126.44            | 98               |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |  |  |            |          |         |                                                                                                                                                                                                                                                                                                                                                                     |                      | 129.99            | 95               | 3           |           |            |                    |                     |        |  |  |  |  |  |
|           |            |  |  |            |          |         |                                                                                                                                                                                                                                                                                                                                                                     |                      | 132.78            | 100              |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |  |  |            |          |         |                                                                                                                                                                                                                                                                                                                                                                     |                      | 136.24            |                  |             |           |            |                    |                     |        |  |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : PROJ : DON CLAIMS HOLE No. : L 1083-3  
 CASING COLLAR ELEV.: GROUND ELEV.: DATE STARTED : MAY 17, 1983 PAGE No. 1 OF 3  
 COORDINATES : 200 S 725 E DATE FINISHED : MAY 18, 1983 REF. TO CLAIM CORNER :  
 INCLINATION : 090° AZIMUTH : TOTAL DEPTH : 74.1 m = 243 feet LOGGED BY : T.M. ELLIOTT

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS:                                                                                                                                                          | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |
|-----------|------------|------------|----------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                                    |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          | OB      | Casing to 7.62m.                                                                                                                                                   |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 7.62m - 10.55m = Rusty graphitic <u>SCHIST</u><br>ca. 1/2% Po                                                                                                      | 7.62                 | 7.62              | 58               | 1/2         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 10.55m - 15.23m = Light greenish gray <u>SKARN</u> . Banding is 50° to the core axis. Only 1/2% Po                                                                 | 10.55                | 11.028            | 83               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 15.23m - 16.30m = Banded black graphitic <u>SLTIST</u> 1/2% Py + Po                                                                                                | 15.23                | 14.32             | 100              | 1/2         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          | LS      | 16.30 - 17.0m = Gray and white <u>LIMESTONE</u>                                                                                                                    | 16.30                | 17.37             | 97               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          | LS      | 17.0m - 19.80 = Mixed <u>SKARN</u> and gray & white banded <u>LIMESTONE</u>                                                                                        | 17.0                 |                   | 95               | 1/4         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          | LS      | 19.80m - 29.23m = gray & green banded <u>SKARN</u> . Some <u>limestone</u> interbeds. Banding is 50° to the core axis. SAME ZONE as DEEPER in holes D 83-1 & 2     | 19.80                | 20.42             | 96               | 1/4         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 29.23 - 32.28m = Mainly black <u>CENTRAL QUARTZITE</u> w. some <u>SKARN</u> . Banding is 50° to the core axis. Abundant white quartz. Estimate 5 1/2% Po & 1/2% Py | 29.23                | 23.57             | 96               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 32.28 - 35.33m = Black & white <u>QUARTZITE</u>                                                                                                                    | 32.28                | 26.52             | 98               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                    | 35.33                | 27.74             | 97               | 6           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                    | 35.33                | 29.58             | 95               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                    | 35.33                | 32.61             | 96               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                    | 35.33                | 35.66             |                  |             |           |            |                    |                     |        |  |  |  |  |

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COMPOSITE DRILL LOG

CORE SIZE : SCALE : PRO. : HOLE No. DDH: 33-3  
 CASING COLLAR ELEV.: GROUND ELEV.: DATE STARTED : PAGE No. 3 OF 3  
 COORDINATES : N. E. DATE FINISHED : REF. TO CLAIM CORNER :  
 INCLINATION : AZIMUTH : TOTAL DEPTH : LOGGED BY : T.M. ELLIOTT

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                                                                                                                                                                                                                                                                                               | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |  |
|-----------|------------|------------|----------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|--|
|           |            |            |          |         | DESCRIPTIVE GEOLOGY                                                                                                                                                                                                                                                                                                      |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 55.25 - 56.12 m = <u>VEIN FAULT</u> -                                                                                                                                                                                                                                                                                    |                      | 53.95             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | lower contact is dipping same way as schistosity in Quartzite but steeper. Mainly Q w. 5% brown siderite plus 1-2% Py. Approx. 0.1% Sl & minor Gr. Some chlorite on gouge surfaces                                                                                                                                       |                      | 92                | 1 1/2            |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 56.12 - 74.1 m = Graphitic black <u>QUARTZITE</u> . Minor limestone at top of section. Some Q-Py veins up to 2 mm across up to 3.5 m from vein fault. Bedding ca. 45° to core axis. Q veinlet (ass <sup>d</sup> with <u>VEIN FAULT</u> ?) cu striking NE and dipping steeply E. 1% Py + 1% Po. At 65 m = andalusite xls. |                      | 60.06             | 100              |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                          |                      | 63.11             | 98               |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                          |                      | 66.16             | 100              | 2           |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                          |                      | 69.21             | 100              |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                          |                      | 72.26             | 100              |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                          |                      | 74.09             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | End of Hole = 74.1 m = 243 feet                                                                                                                                                                                                                                                                                          |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : **NQ** SCALE : PRO. : **DON CLAIMS** HOLE No. : **C 083-4**  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : **MAY 18, 1983** PAGE No. **1** OF **3**  
 COORDINATES : **150 S 475 E** DATE FINISHED : **MAY 28, 1983** REF. TO CLAIM CORNER :  
 INCLINATION : **C90°** AZIMUTH : TOTAL DEPTH : **99.66 m = 327 feet** LOGGED BY : **T.M. Elliott**

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                                                                                                                                                                                                                                                                                                   | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES   | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |  |  |
|-----------|------------|------------|----------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|---------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      |                   |                  |               |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         | 0 - 4.57m = Casing                                                                                                                                                                                                                                                                                                           |                      |                   |                  |               |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         | 4.57 - 13.42 m = <u>SCHIST</u> . Sheared and broken, brown and gray schist to 11.6m. Thereafter core recovery is better & there is less shearing. 3-7 cm of dk. green skarn at top of core. Banding (schistosity) is 40° to the core axis. 7cm skarn at 8m $\frac{1}{4}$ % Py                                                |                      | 4.57              | 31               |               |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         | 13.42m - 14.46m = Med. gray and greenish gray <u>SKARN</u> Only $\frac{1}{2}$ -1% <u>Py</u>                                                                                                                                                                                                                                  |                      | 7.92              | 38               | $\frac{1}{4}$ |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         | 14.46m - 19.55 = med. gray <u>SCHIST</u> . Minor <u>SKARN</u> . $\frac{1}{2}$ % <u>Py</u> + 1% (egard. arts.)                                                                                                                                                                                                                |                      | 8.84              | 43               | $\frac{1}{4}$ |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         | 19.55 - 24.43m = Black graphitic <u>SCHIST</u> and <u>PHYLLITE</u> . Abundant small (<12cm) <u>Q</u> sweets. Fault gouge from 23.3m                                                                                                                                                                                          |                      | 10.06             | 45               |               |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         | 24.43 - 50.90m = Med. gray <u>SCHIST</u> . Broken ground & some fault gouge to 29.5m. 1mm calcite veins common. Some black graphitic sections. Some sweets are <u>Q</u> - siderite. Banding is 45° to the core axis. At 42m cross-veining decreases and $\frac{1}{2}$ cm - 3cm <u>Q</u> sweets increase. Some small sections |                      | 11.28             | 90               |               |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      | 14.32             | 98               | 1             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      | 16.15             | 93               | $\frac{1}{2}$ |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      | 18.59             | 89               |               |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      | 20.42             | 89               | $\frac{1}{4}$ |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      | 23.47             | 73               |               |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      | 24.97             | 96               |               |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      | 26.52             | 77               |               |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      | 28.33             | 100              |               |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      | 28.95             | 82               | $\frac{1}{2}$ |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      | 30.48             | 75               |               |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      | 32.61             | 88               |               |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      | 35.36             | 74               |               |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      | 38.46             | 94               |               |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                              |                      | 41.05             |                  |               |           |            |                    |                     |        |  |  |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : NQ

SCALE :

PRO. : DON CLAIMS

HOLE No. : 0 083-4

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED : MAY 18, 1983

PAGE No. 2 OF 3

COORDINATES : 150<sup>S</sup> X 475 E

DATE FINISHED : MAY 19, 1983

REF. TO CLAIM CORNER :

INCLINATION : 090

AZIMUTH :

TOTAL DEPTH : 99.66 m = 327 feet

LOGGED BY : T.M. Elliott

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                                                                                                                   | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |
|-----------|------------|------------|----------|---------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|
|           |            |            |          |         |                                                                                                                                              |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | of Q-Po (10-15% beginning at 49.7m (eq.) 7cm section at 49.7m                                                                                |                      | 41.15             | 99               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 50.90m - 56.98m = <u>QUARTZITE</u>                                                                                                           |                      | 44.19             | 95               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | Transitional from schist. Quartzite is dk gray to med. gray Minor SKARN                                                                      |                      | 47.24             | 95               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                              |                      | 50.29             | 78               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                              |                      | 53.34             | 97               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                              |                      | 56.39             | 1                |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                              |                      |                   | 97               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                              |                      | 59.43             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 56.98 - 60.03m = Mixed SKARN, pods of white Q & Po (up to 20cm across) and gray QUARTZITE. <del>80%</del> 3% Po (Some <del>10%</del> ) 50.1% |                      |                   |                  | 3           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                              |                      |                   | 98               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 60.03 - 63.08m = mainly gray QUARTZITE w. 55cm of gray & light green banded SKARN. 2% Po adjacent to Q. Swartz.                              |                      |                   |                  | 2           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                              |                      | 62.46             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                              |                      |                   | 99               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                              |                      | 64.61             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 63.08m - 73.74m = Med. gray QUARTZITE. Banding now 25° to the core axis SKARN from 68.17 - 68.57m. Minor (S) 2% Po                           |                      |                   |                  | 2           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                              |                      | 66.14             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                              |                      | 69.19             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                              |                      | 72.23             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 73.74 - 74.74m = Banded med. gray LIMESTONE. Only one band of 3cm. of 15% Po. Some Po on hairline fractures. 1% Po overall                   |                      |                   |                  | 1           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                              |                      | 96                |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                              |                      | 75.28             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 74.74 - 75.72m = L.S. and massive Po. 38cm. ctg. eq. 10% Po.                                                                                 |                      |                   |                  | 2           |           |            |                    |                     |        |  |  |  |  |

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Po

COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : PROJ : DON CLAIMS HOLE No. : DL 1053-4  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : MAY 18, 1983 PAGE No. 3 OF 3  
 COORDINATES : 150 5 475E. DATE FINISHED : MAY 19, 1983 REF. TO CLAIM CORNER :  
 INCLINATION : 090° AZIMUTH : TOTAL DEPTH : 99.66 m = 327 feet LOGGED BY : T.M. Elliott

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY        | COMMENTS:                                                                                                                                                                                                                                                                                                                                         | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |
|-----------|------------|------------|----------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          | LS             | Approx 0.1 - 0.2% W. Massive sulphides are in 3 sections slightly crosscutting bedding or subparallel to bedding.                                                                                                                                                                                                                                 |                      | 75.28             | 96               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          | LS<br>Po<br>48 |                                                                                                                                                                                                                                                                                                                                                   |                      |                   | 96               |             |           |            |                    |                     |        |  |  |  |  |
|           |            | 57074      |          |                | 75.72 - 76.72 m = QUARTZITE w. sections of white Q up to 20 cm. across. 1/2% Py + Po.                                                                                                                                                                                                                                                             |                      | 78.33             |                  | 1/2         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                | 76.72 m - 99.66 m = Med. gray to black graphitic QUARTZITE 1/2% Py & 1/2% Po. 2 small (2cm & 4cm) sections of gray RHYOLITE SILLS at 76.80 m. Some 20-40 cm. sections of white Q. Some bleaching of black quartzite to gray quartzite along vein contacts. 30 cm. zone at 89.25 m Andalusite crystals at 93.0 m. Banding is 45° to the core axis. |                      | 81.38             |                  | 1/2         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      | 84.43             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      | 87.17             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      | 90.22             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      | 91.74             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      | 93.57             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      | 96.62             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      | 99.66             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                | END OF HOLE = 99.66 m = 327 feet                                                                                                                                                                                                                                                                                                                  |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : **NQ** SCALE : PRO. : **DON CLAIMS** HOLE No. : **C 083-4**  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : **MAY 18, 1983** PAGE No. **1** OF **3**  
 COORDINATES : **150 S 475 E** DATE FINISHED : **MAY 28, 1983** REF. TO CLAIM CORNER :  
 INCLINATION : **C90°** AZIMUTH : TOTAL DEPTH : **99.66 m = 327 feet** LOGGED BY : **T.M. Elliott**

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                                                                                                                                                                                                                                                                                     | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES   | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |  |
|-----------|------------|------------|----------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|---------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      |                   |                  |               |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 0 - 4.57m = Casing                                                                                                                                                                                                                                                                                             |                      |                   |                  |               |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          | QB      | 4.57 - 13.42 m = <u>SCHIST</u> . Sheared and broken, brown and gray schist to 11.6m. Thereafter core recovery is better & there is less shearing. 3-7 cm of dk. green skarn at top of core. Banding (schistosity) is 40° to the core axis. 7cm skarn at 8m $\frac{1}{4}$ % Py                                  |                      | 4.57              | 31               |               |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 13.42m - 14.46m = Med. gray and greenish gray <u>SKARN</u> Only $\frac{1}{2}$ -1% Po                                                                                                                                                                                                                           |                      | 7.92              | 38               | $\frac{1}{4}$ |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 14.46m - 19.55 = med. gray <u>SCHIST</u> . Minor <u>SKARN</u> . $\frac{1}{2}$ % Py + 1% (egand. arts.)                                                                                                                                                                                                         |                      | 8.84              | 43               | $\frac{1}{4}$ |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 19.55 - 24.43m = Black graphitic <u>SCHIST</u> and <u>PHYLLITE</u> . Abundant small (<12cm) Q sweets. Fault gouge from 23.3m                                                                                                                                                                                   |                      | 10.06             | 45               |               |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 24.43 - 50.90m = Med. gray <u>SCHIST</u> . Broken ground & some fault gouge to 29.5m. 1mm calcite veins common. Some black graphitic sections. Some sweets are Q - siderite. Banding is 45° to the core axis. At 42m cross-veining decreases and $\frac{1}{2}$ cm - 3cm Q sweets increase. Some small sections |                      | 11.28             | 90               |               |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      | 14.32             | 98               | 1             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      | 16.15             | 93               | $\frac{1}{2}$ |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      | 18.59             | 89               |               |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      | 20.42             | 89               | $\frac{1}{4}$ |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      | 23.47             | 73               |               |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      | 24.97             | 96               |               |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      | 26.52             | 77               |               |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      | 28.33             | 100              |               |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      | 28.95             | 82               | $\frac{1}{2}$ |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      | 30.48             | 75               |               |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      | 32.61             | 88               |               |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      | 35.36             | 74               |               |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      | 38.46             | 94               |               |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                                                |                      | 41.05             |                  |               |           |            |                    |                     |        |  |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : PROJ : DON CLAIMS HOLE No. : DL 1053-4  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : MAY 18, 1983 PAGE No. 3 OF 3  
 COORDINATES : 150 5 475E. DATE FINISHED : MAY 19, 1983 REF. TO CLAIM CORNER :  
 INCLINATION : 090° AZIMUTH : TOTAL DEPTH : 99.66 m = 327 feet LOGGED BY : T.M. Elliott

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY        | COMMENTS:                                                                                                                                                                                                                                                                                                                                         | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |
|-----------|------------|------------|----------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          | LS             | Approx. 0.1 - 0.2% W. Massive sulphides are in 3 sections slightly crosscutting bedding or subparallel to bedding.                                                                                                                                                                                                                                |                      | 75.28             | 96               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          | LS<br>Po<br>48 |                                                                                                                                                                                                                                                                                                                                                   |                      |                   | 96               |             |           |            |                    |                     |        |  |  |  |  |
|           |            | 57074      |          |                | 75.72 - 76.72 m = QUARTZITE w. sections of white Q up to 20 cm. across. 1/2% Py + Po.                                                                                                                                                                                                                                                             |                      | 78.33             |                  | 1/2         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                | 76.72 m - 99.66 m = Med. gray to black graphitic QUARTZITE 1/2% Py & 1/2% Po. 2 small (2cm & 4cm) sections of gray RHYOLITE SILLS at 76.80 m. Some 20-40 cm. sections of white Q. Some bleaching of black quartzite to gray quartzite along vein contacts. 30 cm. zone at 89.25 m Andalusite crystals at 93.0 m. Banding is 45° to the core axis. |                      | 81.38             |                  | 1/2         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      | 84.43             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      | 87.17             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      | 90.22             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      | 91.74             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      | 93.57             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      | 96.62             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                |                                                                                                                                                                                                                                                                                                                                                   |                      | 99.66             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |                | END OF HOLE = 99.66 m = 327 feet                                                                                                                                                                                                                                                                                                                  |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : PROJ : DCN CLAIMS HOLE No. : K D83-5  
 CASING COLLAR ELEV.: GROUND ELEV.: DATE STARTED : MAY 19, 1983 PAGE No. 1 OF 2  
 COORDINATES : 120 S 475 E DATE FINISHED : MAY 20, 1983 REF. TO CLAIM CORNER :  
 INCLINATION : 090° AZIMUTH : TOTAL DEPTH : 74.98 m = 246 feet LOGGED BY : T.M. ELLIOTT

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS: Testing for updip extension of mineralization found in hole 4 at 247'                                                                                                                                                                                                | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE NO. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |
|-----------|------------|------------|----------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | DESCRIPTIVE GEOLOGY                                                                                                                                                                                                                                                            |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | Casing to 4.57m                                                                                                                                                                                                                                                                |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 4.57m - 19.20m = Mixed rusty gray <u>SCHIST</u> w. black graphitic sections. Badly broken ground with some shurt (5-10cm) sections of fault gouge. Banding is approx 40° to the core axis. Small quartz sweets are abundant. From 15.6m the rock is less broken up 1/4% Pt & B |                      | 4.57              | 86               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 5.18              | 56               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 7.01              | 100              | 1/4         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 7.92              | 65               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 9.14              | 62               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 10.17             | 78               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 12.50             | 65               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 13.54             | 69               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 14.93             | 86               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 19.20 - 20.65m = Black graphitic <u>SCHIST</u>                                                                                                                                                                                                                                 |                      | 17.07             | 91               | 1/4         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 19.20             | 84               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 20.65m - 44.78m = Medium gray <u>SCHIST</u>                                                                                                                                                                                                                                    |                      | 20.42             | 77               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | From 24.00 - 24.15m = Po-bearing <u>SKARN</u> with 1/2% coarse schreibite                                                                                                                                                                                                      |                      | 22.43             | 90               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 20cm <u>LIMESTONE</u> at 31.00m. Banding is 40° to the core axis. 37.85m - 38.10m = 25cm of limy sulphide, banded <u>SKARN</u> . Some more shurt sections of limy <u>SKARN</u> to 40m.                                                                                         |                      | 23.46             | 73               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 25.41             | 94               | 1           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 28.35             | 97               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 29.56             | 89               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 32.31             | 98               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 34.75             | 95               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 37.79             | 94               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 40.84             | 97               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | LS 44.78m - 45.46m = Gray and white banded <u>LIMESTONE</u> w/ 12cm of limy sulphide <u>SKARN</u>                                                                                                                                                                              |                      | 43.87             | 99               | 1/2         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 46.94             | 96               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 49.48             | 90               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 53.03             | 100              |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 45.46m - 55.04m = Gray, banded <u>SCHIST</u> . Minor (2cm) bands of green <u>SKARN</u> . Banding is 55° to the core axis. 1% Po                                                                                                                                                |                      | 53.95             | 97               | 1           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 56.59             |                  |             |           |            |                    |                     |        |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : PROJ : DCN CLAIMS HOLE No. : K D83-5  
 CASING COLLAR ELEV.: GROUND ELEV.: DATE STARTED : MAY 19, 1983 PAGE No. 1 OF 2  
 COORDINATES : 120 S 475 E DATE FINISHED : MAY 20, 1983 REF. TO CLAIM CORNER :  
 INCLINATION : 090° AZIMUTH : TOTAL DEPTH : 74.98 m = 246 feet LOGGED BY : T.M. ELLIOTT

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS: Testing for updip extension of mineralization found in hole 4 at 247'                                                                                                                                                                                                | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE NO. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |  |  |
|-----------|------------|------------|----------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         | DESCRIPTIVE GEOLOGY                                                                                                                                                                                                                                                            |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         | Casing to 4.57m                                                                                                                                                                                                                                                                |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         | 4.57m - 19.20m = Mixed rusty gray <u>SCHIST</u> w. black graphitic sections. Badly broken ground with some shurt (5-10cm) sections of fault gouge. Banding is approx 40° to the core axis. Small quartz sweets are abundant. From 15.6m the rock is less broken up 1/4% Pt & B |                      | 4.57              | 86               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 5.18              | 56               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 7.01              | 100              | 1/4         |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 7.92              | 65               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 9.14              | 62               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 10.17             | 78               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 12.50             | 65               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 13.54             | 69               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 14.93             | 86               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 17.07             | 91               | 1/4         |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 19.20             | 84               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 20.42             | 77               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 22.45             | 90               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 23.46             | 73               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 25.41             | 94               | 1           |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 28.35             | 97               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 29.56             | 89               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 32.31             | 98               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 34.75             | 95               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 37.79             | 94               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 40.84             | 97               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 43.87             | 99               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 46.94             | 96               | 1/2         |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 49.98             | 90               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 53.03             | 100              |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 53.95             | 97               | 1           |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                                |                      | 56.99             |                  |             |           |            |                    |                     |        |  |  |  |  |  |  |





COMPOSITE DRILL LOG

CORE SIZE : NR SCALE : PROJ : DON CLAIMS. HOLE No. : D. D 83-6  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : MAY 21, 1983 PAGE No. 1 OF 6  
 COORDINATES : 220 S 500 E. DATE FINISHED : MAY 23, 1983 REF. TO CLAIM CORNER :  
 INCLINATION : 090° AZIMUTH : TOTAL DEPTH : 160.62 m = 527 Feet LOGGED BY : T.M. ELLIOTT

| DEPTH (m)           | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS:                                                                                                                                                                                                                                                                                                                                                                                                                  | AVG. CORE REC'/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS                    |  |  |  |
|---------------------|------------|------------|----------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|---------------------------|--|--|--|
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                   |                  |             |           |            |                    |                     | 25 m. south of DDH D.83-1 |  |  |  |
| DESCRIPTIVE GEOLOGY |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                   |                  |             |           |            |                    |                     |                           |  |  |  |
| 0.5                 |            |            |          |         | 0 - 3.96m = Casing                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                   |                  |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         | 3.96m - 11.50m                                                                                                                                                                                                                                                                                                                                                                                                             |                     |                   |                  |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         | Mainly badly broken, black graphitic SCHIST. Abundant quartz veins. Banding is 25° to the core axis.                                                                                                                                                                                                                                                                                                                       |                     | 3.96              | 70               | 1/4         |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 4.57              | 54               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 6.55              | 80               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 7.77              | 71               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 8.69              | 66               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 10.21             | 61               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         | 11.50m - 16.08 m = Badly broken medium gray rusty banded SCHIST. Banding is 35° to the core axis.                                                                                                                                                                                                                                                                                                                          |                     | 11.28             | 91               | 1/4         |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 12.19             | 69               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 14.02             | 88               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 15.70             | 92               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         | 16.08m - 19.00 m = Black graphitic SCHIST                                                                                                                                                                                                                                                                                                                                                                                  |                     | 17.37             | 78               | 1/4         |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 19.20             | 84               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 20.42             | 73               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         | 19.00m - 42.92m = Rusty gray SCHIST. Banding is 35° to the core axis. Some interbedded quartzite. SKARN from 21.90 - 22.02 m. Has 1/2% coarse scheelite. 1/2% Po. Minor Py. 12 cm. SKARN at 29.00 - 29.12 m. Minor Aspy along with 5% Po. 1 grain of scheelite. Schist is strongly siliceous at 32.0 m. 1 1/2% Po. After 38 m rock becomes more graphitic and Po-rich. Corresponds to sulphide-rich schist in hole D-83-1. |                     | 22.55             | 82               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 24.08             | 78               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 25.60             | 70               | 1/2         |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 26.92             | 79               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 28.65             | 85               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 31.55             | 95               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 32.31             | 88               | 1/2         |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 33.68             | 91               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 35.66             | 96               | -2          |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 38.71             | 95               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 41.15             | 86               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 42.52             | 94               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         |                                                                                                                                                                                                                                                                                                                                                                                                                            |                     | 44.35             | 94               |             |           |            |                    |                     |                           |  |  |  |
|                     |            |            |          |         | 42.92m - 48.56 m = Graphitic dark gray to black QUARTZITE. Banding is 40° to the core axis. 2% Po thyl                                                                                                                                                                                                                                                                                                                     |                     | 46.81             |                  | 2           |           |            |                    |                     |                           |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : SCALE : PROJ : HOLE No. : **C 083-6**  
 CASING COLLAR ELEV.: GROUND ELEV.: DATE STARTED : PAGE No. **2** OF  
 COORDINATES : N. E. DATE FINISHED : REF. TO CLAIM CORNER :  
 INCLINATION : AZIMUTH : TOTAL DEPTH : LOGGED BY : **T.M. Elliott**

| DEPTH (M) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                                                                                                                                                                                                                                          | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (M) | ASSAYS |  |  |  |  |  |
|-----------|------------|------------|----------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 48.56m - 51.61m = Mainly brown (biotite) gray and green SKARN. Last 30cm is QUARTZITE. Ca 2% Po, 1/2% Py + minor Cpy.                                                                                                                                               |                      | 46.61             | 46               |             |           |            |                    |                     |        |  |  |  |  |  |
|           | ASSAY      |            |          |         | 51.61m - 56.83m = QUARTZITE, light to medium gray. Bedding is 40° to the core axis.                                                                                                                                                                                 |                      | 49.92             | 77               | 2 1/2       |           |            |                    |                     |        |  |  |  |  |  |
|           | 57075      |            |          |         | 56.83m - 59.70m = Medium gray, equigranular, fine grained RHYNOLITE. Some Q - Py or thin Py veins. Upper contact brecciated for 12cm and ca. 20° to the core axis. Lower contact parallel to bedding in QUARTZITE. 10cm white Q adjacent to lower contact. 1/4% Py. |                      | 50.91             | 97               |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      | 53.90             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      | 57.01             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      |                   | 99               | 1/2         |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      | 60.04             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      |                   | 96               |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      |                   |                  | 1/4         |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      | 62.79             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      | 64.92             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      | 65.53             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                                                                     |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           | ASSAY      |            |          |         | 63.60 - 66.65m = Mainly QUARTZITE w. 63cm Po-bearing SKARN at beginning of section. ALSO 33cm of white Q vein carrying 3-5% Py as blebs and tiny irregular stringers. Some <u>Cpy</u> 2-3% Po + 1/4-1/2% Py. Minor (Strelitz) in skarn.                             |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           | 58151      |            |          |         |                                                                                                                                                                                                                                                                     |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : SCALE : PROJ : HOLE No. : **C 1 D 83-6**  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : PAGE No. **3** OF  
 COORDINATES : N. E. : DATE FINISHED : REF. TO CLAIM CORNER :  
 INCLINATION : AZIMUTH : TOTAL DEPTH : m : LOGGED BY : **T.M. Elliott**

| DEPTH (M) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                                                                                                                             | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE NO. | % SAMPLE RECOVERED | SAMPLE INTERVAL (M) | ASSAYS |  |  |  |  |
|-----------|------------|------------|----------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                        |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | DESCRIPTIVE GEOLOGY                                                                                                                                    |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 66.65m → 71.32m<br>Gray & brown banded QUARTZITE<br>Some 1cm - 5cm bands of SKARN<br>Ca. 10% Pb. Some small (1-2mm) Q<br>veins cutting across banding. |                      | 65.53             | 90               | 1           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                        |                      | 67.05             | 75               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                        |                      | 68.88             | 45               |             |           |            |                    |                     |        |  |  |  |  |
|           | ASSAY      |            | 53152    |         | 71.32m - 74.37m = Mainly low sulphide<br>green & gray SKARN Ca. 1/2% Pb<br>Banding varies from 35-50° to the<br>core axis.                             |                      | 72.06             | 94               | 1/2         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                        |                      | 75.28             |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 74.37 - 75.72m = low sulphide SKARN<br>Will assay if above section good. 1/2% Pb                                                                       |                      | 78.33             | 98               | 1/2         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                        |                      | 81.36             | 97               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 75.72m - 83.88m = Mainly gray banded<br>QUARTZITE w. minor LIMESTONE &<br>minor SKARN 1% Pb                                                            |                      | 84.43             | 96               | 1           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                        |                      | 87.56             | 89               | low ?       |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 83.88m - 84.49m = Mainly black fault<br>gouge w. some SKARN and white Q<br>Contacts approx. parallel to banding                                        |                      | 88.56             | 99               | 1/2         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                        |                      | 87.42             | 96               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 84.49m - 89.14m = Mixed gray QUARTZITE<br>and low sulphide SKARN<br>(50% - 50%). Several tiny grains<br>of <u>Scheelite</u>                            |                      | 90.52             | 94               | 1/4         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          | LS      | 89.14m - 94.04m = Banded white &<br>gray LIMESTONE w. minor QUARTZITE<br>and SKARN. Local brecciation and<br>Q = Carb. (calcite) veins                 |                      | 93.57             |                  |             |           |            |                    |                     |        |  |  |  |  |



COMPOSITE DRILL LOG

CORE SIZE :  
 CASING COLLAR ELEV. :  
 COORDINATES : N. E.  
 INCLINATION :

SCALE :  
 GROUND ELEV. :  
 AZIMUTH :

PROJ :  
 DATE STARTED :  
 DATE FINISHED :  
 TOTAL DEPTH :

HOLE No. : DL 083-6  
 PAGE No. 5 OF  
 REF. TO CLAIM CORNER :  
 LOGGED BY : T. M. Elliott

| DEPTH (m) | ALTERATION       | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                                                                                                                                                                                                                          | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES ESTIMATED | SAMPLE NO. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |  |  |
|-----------|------------------|------------|----------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-----------------------|------------|--------------------|---------------------|--------|--|--|--|--|--|--|
|           |                  |            |          |         |                                                                                                                                                                                                                                                     |                      |                   |                  |                       |            |                    |                     |        |  |  |  |  |  |  |
|           |                  |            |          |         | section                                                                                                                                                                                                                                             |                      | 111.56            |                  |                       |            |                    |                     |        |  |  |  |  |  |  |
|           | 50/57<br>ASSAY * |            |          |         | 111.51m - 114.56m = Mainly QUARTZITE w. 25% low sulphide SKARN some discordant Q veins & irregular masses of Q. Po ≈ 2 1/2% Py < 1/2%<br>→ 124.05m                                                                                                  |                      |                   |                  | 3                     |            |                    |                     |        |  |  |  |  |  |  |
|           |                  |            |          |         | 114.56m - Mixed light gray and black graphitic QUARTZITE Banding 45°-50° to the core axis. 2% Po 1/2% Py. Minor SCHEERITE at beginning of section. Minor Cpy. Some SKARN bands from 122m to end of section. Also 40cm LIMESTONE near end of section |                      | 114.90            |                  | 2 1/2                 |            |                    |                     |        |  |  |  |  |  |  |
|           |                  |            |          |         |                                                                                                                                                                                                                                                     |                      | 117.44            |                  |                       |            |                    |                     |        |  |  |  |  |  |  |
|           |                  |            |          |         |                                                                                                                                                                                                                                                     |                      | 119.46            |                  |                       |            |                    |                     |        |  |  |  |  |  |  |
|           |                  |            |          |         |                                                                                                                                                                                                                                                     |                      | 121.00            |                  |                       |            |                    |                     |        |  |  |  |  |  |  |
|           | ASSAY *          |            |          |         | 124.05m - 127.10m = Mixed SKARN and siliceous QUARTZITE. Many 1cm bands of concordant white Q. 2% Po, some Py & minor Cpy. Some SCHEERITE 0.02%?                                                                                                    |                      | 124.05            |                  | 2                     |            |                    |                     |        |  |  |  |  |  |  |
|           | 58/58            |            |          |         |                                                                                                                                                                                                                                                     |                      | 127.10            |                  |                       |            |                    |                     |        |  |  |  |  |  |  |
|           |                  |            |          |         |                                                                                                                                                                                                                                                     |                      | 130.14            |                  |                       |            |                    |                     |        |  |  |  |  |  |  |
|           | ASSAY *          |            |          |         | 127.10 - 130.14m = Mixed siliceous QUARTZITE & low sulphide SKARN 1 1/2% Po. Minor LIMESTONE                                                                                                                                                        |                      | 130.14            |                  | 1 1/2                 |            |                    |                     |        |  |  |  |  |  |  |
|           | 58/59            |            |          |         |                                                                                                                                                                                                                                                     |                      | 133.19            |                  |                       |            |                    |                     |        |  |  |  |  |  |  |
|           |                  |            |          |         | 130.14 - 133.19m = Mainly siliceous QUARTZITE w. minor SKARN. 1 1/2% Po, 1/2% Py                                                                                                                                                                    |                      | 133.19            |                  | 2                     |            |                    |                     |        |  |  |  |  |  |  |
|           | ASSAY *          |            |          |         |                                                                                                                                                                                                                                                     |                      |                   |                  |                       |            |                    |                     |        |  |  |  |  |  |  |
|           | 58/60            |            |          |         |                                                                                                                                                                                                                                                     |                      |                   |                  |                       |            |                    |                     |        |  |  |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : SCALE : PROJECT : HOLE No. : DDI 083-6  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STARTED : PAGE No. 6 OF  
 COORDINATES : N. E. : DATE FINISHED : REF. TO CLAIM CORNER :  
 INCLINATION : AZIMUTH : TOTAL DEPTH : LOGGED BY : T.M. Elliott

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                                                                                                                                                                                     | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |  |  |
|-----------|------------|------------|----------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                                                                                |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         | DESCRIPTIVE GEOLOGY                                                                                                                                                                                            |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         | 133.55m - 145.61m = medium gray banded QUARTZITE w. some black graphitic bands. 2% Pb Minor SKARN. Some large 20-25 cm. white Q sweets                                                                         |                      | 136.24            | 100              | 2           |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         | 145.61m - 160.62m = Black graphitic QUARTZITE w. Q. sweets. Strong andalusite crystals from 150.25 m to end of hole 2% Pb, 1% Py w. Py increasing relative to Pb at end of hole. Banding 60° to the core axis. |                      | 139.29            | 96               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                |                      | 142.33            | 96               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                |                      | 145.38            | 98               | 3           |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                |                      | 148.43            | 96               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                |                      | 151.48            | 97               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                |                      | 154.52            | 94               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                |                      | 157.57            | 95               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                |                      | 160.62            | 97               |             |           |            |                    |                     |        |  |  |  |  |  |  |
|           |            |            |          |         | END OF HOLE = 160.62 = 527ft                                                                                                                                                                                   |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : NQ SCALE : PROJECT : DON CLAIMS HOLE No. : DDF 083-7  
 CASING COLLAR LEV.: GROUND ELEV.: DATE STAMPED : May 23, 1983 PAGE No. 1 OF  
 COORDINATES : 200 N 561 m E DATE FINISHED : REF. TO CLAIM CORNER :  
 INCLINATION : 090° AZIMUTH : TOTAL DEPTH : 113.68 m = 373 ft. LOGGED BY : T.M. Elliott

| DEPTH (m) | ALTERATION |  |  | FRACTURING | MINERALS | GEOLOGY | COMMENTS:                                                                                               | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |
|-----------|------------|--|--|------------|----------|---------|---------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|
|           |            |  |  |            |          |         |                                                                                                         |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         | 0.8 3.66 m. of CASING                                                                                   |                      | 3.66              | 66               |             |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         | 3.66m - 7.42m = Light gray and green low sulphide SKARN. <1/10% sulphide. Banding 45° to the core axis. |                      | 4.72              | 78               | 1/10        |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         | 7.42m - 14.42m = Mainly rusty gray SCHIST. Minor sections of SKARN up to 20 cm long 1/4 - 1/2% Py       |                      | 5.79              | 82               |             |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         | 14.42m - 17.07m = White to light gray schistose QUARTZITE w. minor SKARN                                |                      | 7.62              | 69               |             |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         | 17.07m - 19.75m = Light gray to dark gray rusty SCHIST                                                  |                      | 8.84              | 86               |             |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         | 19.75m - 20.56m = Light gray banded LIMESTONE w. minor thin green SKARN bands                           |                      | 10.24             | 97               |             |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         | 20.56m - 22.65m = Medium gray SCHIST                                                                    |                      | 11.08             | 81               | 1/2         |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         | 22.65m - 25.52m = Light gray to green skarnified and silicified LIMESTONE                               |                      | 13.10             | 84               |             |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         | 25.52m - 29.31m = Mainly light green SKARN w. minor SCHIST, LIMESTONE and siliceous LIMESTONE           |                      | 14.32             | 87               | 1/4         |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         |                                                                                                         |                      | 17.37             | 86               |             |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         |                                                                                                         |                      | 20.42             | 98               | 1/10        |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         |                                                                                                         |                      | 22.25             | 87               | 1/4         |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         |                                                                                                         |                      | 25.14             | 93               | 1/10        |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         |                                                                                                         |                      | 26.52             | 88               |             |           |            |                    |                     |        |  |  |  |
|           |            |  |  |            |          |         |                                                                                                         |                      | 29.26             |                  | 1/2         |           |            |                    |                     |        |  |  |  |



COMPOSITE DRILL LOG

CORE SIZE : SCALE : PROJECT : HOLE No. : **DDH 083-7**  
 CASING COLLAR ELEV.: GROUND ELEV.: DATE STAMPED : PAGE No. **2** OF  
 COORDINATES : N. E. DATE FINISHED : REF. TO CLAIM CORNER :  
 INCLINATION : AZIMUTH : TOTAL DEPTH : LOGGED BY : **T.M. Elliott**

| DEPTH (m) | ALTERATION               | FRACTURING | MINERALS | GEOLOGY | COMMENTS:                                                                                                                                                                                                    | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE NO. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |  |
|-----------|--------------------------|------------|----------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|--|
|           |                          |            |          |         |                                                                                                                                                                                                              |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |                          |            |          |         | 1/2% Po. Minor Scheelite                                                                                                                                                                                     |                      | 29.26             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           | ASSAY<br>*<br>*<br>58161 |            |          |         | 29.31m - 30.83m - Good section of high sulphide SKARN and PO-bearing SCHIST. 2 sections of SKARN:<br>(1) 20cm of 6% Po and (2) 40cm of 9% Po. Some cpy. 3mm. vein in SCHIST contains Aspyz/gain of Scheelite |                      |                   | 97               | 4           |           |            |                    |                     |        |  |  |  |  |  |
|           | ASSAY<br>*<br>58162      |            |          |         | 30.83m - 32.27m = Main dark green PO-bearing SKARN. 2 1/2% Po, 1% Py + some fine grains of Cpy. Some W                                                                                                       |                      |                   | 97               | 3 1/2       |           |            |                    |                     |        |  |  |  |  |  |
|           | 58163<br>ASSAY           |            |          |         | 32.27m - 34.27m = Light gray to brown to green SKARN. 2% Po. Some Q (white) 1/2% Py, Some Cpy. Q=0.39% W                                                                                                     |                      | 35.51             | 96               | 2 1/2       |           |            |                    |                     |        |  |  |  |  |  |
|           |                          |            |          |         | 34.27m - 42.35m = Medium gray, banded rusty SCHIST. Minor SKARN w. Po and some SCHEELITE. Banding is 30° to the core axis. Ca. 1 1/2% Po                                                                     |                      | 37.49             | 91               |             |           |            |                    |                     |        |  |  |  |  |  |
|           |                          |            |          |         | 42.35m - 47.00m = Brown & gray banded CENTRAL QUARTZITE 1/2% Po. 22cm RHYOLITE SILT at 45.73m - 45.95m.                                                                                                      |                      | 38.71             |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |                          |            |          |         | 47.00m - 48.25m = RHYOLITE DYKE. Fine grained. Contains very fine grained                                                                                                                                    |                      | 41.76             | 97               | 1 1/2       |           |            |                    |                     |        |  |  |  |  |  |
|           |                          |            |          |         |                                                                                                                                                                                                              |                      | 44.80             | 89               | 1/2         |           |            |                    |                     |        |  |  |  |  |  |
|           |                          |            |          |         |                                                                                                                                                                                                              |                      | 47.65             |                  |             |           |            |                    |                     |        |  |  |  |  |  |

COMPOSITE DRILL LOG

CORE SIZE : SCALE : PROJECT : HOLE No. : DDH D83-7  
 CASING COLLAR LEV.: GROUND ELEV.: DATE STA. : PAGE No. 3 OF  
 COORDINATES : N. E. DATE FINISHED : REF. TO CLAIM CORNER :  
 INCLINATION : AZIMUTH : TOTAL DEPTH : m LOGGED BY : T. M. Elliott

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                                                                                                                                                                                         | AVG. CORE REC'Y/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |  |
|-----------|------------|------------|----------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                                                                                    |                      |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | disseminated Po (1%). Upper contact 90° to core axis. & lower contact irregular from 0°-90° to the core axis                                                                                                       |                      |                   |                  | 1           |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 48.25m-53.02m = Dark gray QUARTZITE w. 30cm of fault gouge & 20 cm of RHYOLITE DYKE near top of section. Banding in quartzite ca. 70° to the core axis.                                                            | 50.90                | 92                | 1/2              |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 53.02m - 56.07m = Mainly SKARN, white QUARTZ (80cm) and QUARTZITE. 2 large sections of white Quartz: (1) 45 cm w. 2% coarse Aspy and 1% Py, (2) 30 cm bull Quartz w. minor Aspy & Py.                              | 53.95                | 97                | 1                |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 56.07m - 65.42m = Mainly Gray & brown banded QUARTZITE. First 50 cm. are SKARN. Two 20-25 cm. sections of white, bull quartz w. some sheering. Banding still 65° to the core axis. Fault gouge from 64.12 - 64.75m | 60.04                | 89                | 1/2              |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 65.42m - 68.30m = Light green SKARN. 1/2% Po                                                                                                                                                                       | 64.61                | 85                |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         | 68.30m - 69.83m = Mainly light                                                                                                                                                                                     | 66.14                | 93                |                  |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                    | 66.14                | 96                | 1/2              |             |           |            |                    |                     |        |  |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                                                                                    | 69.19                |                   |                  |             |           |            |                    |                     |        |  |  |  |  |  |

58164  
 ASSAY  
 \* \*

\* \*  
 ASSAY  
 58165

CORE SIZE : SCALE : PROJECT : HOLE No. : DDH D 83-7  
 CASING COLLAR ELEV. : GROUND ELEV. : DATE STA. : PAGE No. 4 OF  
 COORDINATES : N. E. : DATE FINISHED : REF. TO CLAIM CORNER :  
 INCLINATION : AZIMUTH : TOTAL DEPTH : LOGGED BY : T.M. Elliott

| DEPTH (m) | ALTERATION | FRACTURING | MINERALS | GEOLOGY | COMMENTS :                                                                                                                                       | AVG. CORE RECY/HOLE | DRILLING INTERVAL | % CORE RECOVERED | % SULPHIDES | ESTIMATED | SAMPLE No. | % SAMPLE RECOVERED | SAMPLE INTERVAL (m) | ASSAYS |  |  |  |  |
|-----------|------------|------------|----------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|------------------|-------------|-----------|------------|--------------------|---------------------|--------|--|--|--|--|
|           |            |            |          |         |                                                                                                                                                  |                     |                   |                  |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | green low sulphide SKARN w. zone 35 cm section of 7% Po, 1 1/2% coarse ASPY, plus some Sl and Cpy.                                               |                     | 72.20             | 98               | 2 1/2       |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 69.83m - 81.50 m = Medium <sup>gray &amp; brown banded</sup> to black graphitic QUARTZITE, 1/2 - 1% Po. Minor ASPY.                              |                     | 75.28             | 97               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | 81.50m - <del>96.73m</del> 96.73m = Mixed low sulphide SKARN and QUARTZITE, Ca 50-50% Minor Aspy & Cpy                                           |                     | 78.33             | 98               | 3/4         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | <del>96.73m</del> 96.73m - 113.68 m = Medium gray to black, graphitic QUARTZITE SKARN from 100.14m to 101.42m Banding 55° to the core axis 1% Po |                     | 80.77             | 95               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         | End of hole = 113.68m = 373 feet                                                                                                                 |                     | 83.82             | 94               | 1/2         |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                  |                     | 86.86             | 93               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                  |                     | 89.91             | 90               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                  |                     | 92.96             | 95               | 1           |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                  |                     | 96.04             | 97               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                  |                     | 99.06             | 96               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                  |                     | 102.10            | 97               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                  |                     | 105.15            | 89               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                  |                     | 108.20            | 96               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                  |                     | 111.25            | 96               |             |           |            |                    |                     |        |  |  |  |  |
|           |            |            |          |         |                                                                                                                                                  |                     | 113.68            | 98               |             |           |            |                    |                     |        |  |  |  |  |

APPENDIX II

DRILL HOLE ASSAYS



# Certificate of Analysis

TO Island Mining

(1)

REPORT NO. A43-28

DATE June 3, 1983

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

| MARKED                                      | opt.   | opt.  | %      | opt.   |  |  |  |  |  |
|---------------------------------------------|--------|-------|--------|--------|--|--|--|--|--|
|                                             | Au (1) | Ag    | W      | Au (2) |  |  |  |  |  |
| <u>DRILL HOLE</u><br>D 83-1                 |        |       |        |        |  |  |  |  |  |
| 56952                                       |        |       |        |        |  |  |  |  |  |
| <u>SAMPLE INTERVAL (m)</u><br>10.45 - 11.97 | 0.022  | 0.17  | 0.014  |        |  |  |  |  |  |
| 53 11.97 - 13.49                            | 0.002  | 0.05  | 0.018  |        |  |  |  |  |  |
| 54 13.49 - 15.01                            | 0.002  | L0.05 | L0.005 |        |  |  |  |  |  |
| 55 15.01 - 18.06                            | 0.025  | L0.05 | L0.005 |        |  |  |  |  |  |
| 56 18.06 - 21.11                            | 0.032  | 0.10  | L0.005 | 0.035  |  |  |  |  |  |
| 57 21.11 - 24.16                            | 0.037  | L0.05 | L0.005 | 0.042  |  |  |  |  |  |
| 58 24.16 - 27.21                            | 0.012  | L0.05 | L0.005 |        |  |  |  |  |  |
| 59 27.21 - 30.26                            | 0.007  | L0.05 | 0.012  |        |  |  |  |  |  |
| 60 30.26 - 33.31                            | 0.003  | L0.05 | 0.012  |        |  |  |  |  |  |
| 61 33.31 - 36.36                            | 0.005  | L0.05 | 0.010  |        |  |  |  |  |  |
| 62 36.36 - 39.41                            | 0.002  | L0.05 | 0.008  |        |  |  |  |  |  |
| 63 39.41 - 42.46                            | 0.038  | L0.05 | L0.005 |        |  |  |  |  |  |
| 64 47.80 - 50.04                            | 0.021  | L0.05 | L0.005 |        |  |  |  |  |  |
| 65 53.09 - 56.14                            | 0.067  | L0.05 | 0.052  | 0.073  |  |  |  |  |  |
| 66 65.29 - 68.24                            | 0.014  | 0.79  | L0.005 |        |  |  |  |  |  |

NOTE: Rejects retained two weeks

(1) acid digestion  
(2) fire assay  
L denotes less than

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TELEX: 036-8-460

## Certificate of Analysis

TO Island Mining

(2)

REPORT NO. A43-28

DATE June 3, 1983

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

| MARKED                                           | opt.   | opt.  | %      | opt.   |  |  |  |  |  |
|--------------------------------------------------|--------|-------|--------|--------|--|--|--|--|--|
|                                                  | Au (1) | Ag    | W      | Au (2) |  |  |  |  |  |
| <u>DRILL HOLE</u><br>D 83-1                      |        |       |        |        |  |  |  |  |  |
| <u>SAMPLE INTERVAL (m.)</u><br>56967 68.24-71.39 | 0.009  | L0.05 | L0.005 |        |  |  |  |  |  |
| 68 76.30-79.55                                   | 0.038  | L0.05 | L0.005 |        |  |  |  |  |  |
| 69 82.60-85.65                                   | 0.012  | L0.05 | L0.005 |        |  |  |  |  |  |
| 70 85.65-88.70                                   | 0.021  | L0.05 | L0.005 |        |  |  |  |  |  |
| 71 100.63-103.68                                 | 0.064  | L0.05 | 0.08   | 0.073  |  |  |  |  |  |
| 72 103.68-106.73                                 | 0.001  | L0.05 | L0.005 |        |  |  |  |  |  |
| 73 106.73-109.00                                 | G0.09  | L0.05 | 0.005  | 0.082  |  |  |  |  |  |
| 74 109.00-110.21                                 | G0.09  | 0.42  | 0.38   | 0.295  |  |  |  |  |  |
| 75 79.55-82.60                                   | 0.001  | L0.05 | 0.012  |        |  |  |  |  |  |

Au estimates by acid digestion:  
 56973: 0.093 opt.  
 56974: 0.32 opt.

NOTE: (1) acid digestion  
 (2) fire assay  
 L denotes less than

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*Steve Long*



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## Certificate of Analysis

o Island Mining

REPORT NO. ....A43-29.....

DATE ..... May 3, 1983 .....

I hereby certify that the following are the results of analyses made by us upon the herein described ....drill core.... samples

| MARKED                                | opt.   | opt.  | %     |  |  |  |  |  |  |
|---------------------------------------|--------|-------|-------|--|--|--|--|--|--|
|                                       | Au (1) | Ag    | W     |  |  |  |  |  |  |
| <u>DRILL</u><br><u>HOLE</u><br>D 83-2 |        |       |       |  |  |  |  |  |  |
| 57051                                 | 0.006  | L0.05 | 0.020 |  |  |  |  |  |  |
| 52 27.74-30.79                        | 0.024  | L0.05 | 0.014 |  |  |  |  |  |  |
| 53 49.37-52.42                        | 0.010  | L0.05 | 0.020 |  |  |  |  |  |  |
| 54 52.42-55.47                        | 0.058  | L0.05 | 0.010 |  |  |  |  |  |  |
| 55 72.23-74.68                        | 0.019  | L0.05 | 0.010 |  |  |  |  |  |  |
| 56 80.77-83.82                        | 0.006  | L0.05 | 0.002 |  |  |  |  |  |  |
| 57 83.82-86.87                        | 0.034  | L0.05 | 0.006 |  |  |  |  |  |  |
| 58 86.87-89.92                        | 0.006  | L0.05 | 0.006 |  |  |  |  |  |  |
| 59 89.92-92.97                        | 0.013  | L0.05 | 0.010 |  |  |  |  |  |  |
| 60 92.97-94.69                        | 0.022  | L0.05 | 0.040 |  |  |  |  |  |  |
| 57062 99.36-102.41                    | 0.004  | L0.05 | 0.010 |  |  |  |  |  |  |
| 57062 102.41-105.46                   |        |       |       |  |  |  |  |  |  |

**NOTE:**

Rejects retained two weeks  
Pulps retained three months  
unless otherwise arranged.

(1) Au analysis done by acid digestion  
L denotes less than  
opt.: ounces per ton

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*Steve Seung*







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TELEX: 036-8-460

## Certificate of Analysis

TO Island Mining & Explorations Co. Ltd.

REPORT NO. A43-31

DATE June 14, 1983

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

| MARKED            | opt.<br>Au (1)      | opt.<br>Ag | opt.<br>Au (2) |       |  |  |  |  |  |
|-------------------|---------------------|------------|----------------|-------|--|--|--|--|--|
|                   |                     |            |                |       |  |  |  |  |  |
| <u>DRILL HOLE</u> | <u>SAMPLE</u>       |            |                |       |  |  |  |  |  |
|                   | <u>INTERVAL(m.)</u> |            |                |       |  |  |  |  |  |
| D 83-6            | 57075 48.56-51.61   | 0.006      | L0.05          |       |  |  |  |  |  |
|                   | 58151 63.60-66.65   | 0.163      | L0.05          | 0.163 |  |  |  |  |  |
|                   | 5271.32-74.37       | 0.027      | L0.05          |       |  |  |  |  |  |
|                   | 53103.42-106.47     | 0.032      | L0.05          |       |  |  |  |  |  |
|                   | 54106.47-108.81     | 0.014      | L0.05          |       |  |  |  |  |  |
|                   | 55108.81-110.55     | 0.176      | L0.05          | 0.205 |  |  |  |  |  |
|                   | 56110.55-111.51     | 0.016      | L0.05          |       |  |  |  |  |  |
|                   | 57111.51-114.56     | 0.012      | L0.05          |       |  |  |  |  |  |
|                   | 58124.05-127.10     | 0.024      | L0.05          |       |  |  |  |  |  |
|                   | 59127.10-130.14     | 0.010      | L0.05          |       |  |  |  |  |  |
|                   | 60130.14-133.55     | 0.005      | L0.05          |       |  |  |  |  |  |

NOTE:

Rejects retained two weeks  
Pulps retained three months

opt.: ounces per ton  
L: denotes less than  
(1) analysis done by acid digestion  
(2) analysis done by fire assay

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*Steven Shapiro*



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TELEX: 036-8-460

## Certificate of Analysis

TO Island Mining & Explorations Co. Ltd.

REPORT NO. A43-35

DATE June 14, 1983

I hereby certify that the following are the results of analyses made by us upon the herein described drill core samples

| MARKED                                      | opt.              | opt.  | opt.              |  |  |  |  |  |  |
|---------------------------------------------|-------------------|-------|-------------------|--|--|--|--|--|--|
|                                             | Au <sup>(1)</sup> | Ag    | Au <sup>(2)</sup> |  |  |  |  |  |  |
| <u>DRILL HOLE</u><br>0 83-7                 |                   |       |                   |  |  |  |  |  |  |
| <u>SAMPLE INTERVAL</u><br>58161 29.31-30.83 | 0.230             | 0.05  | 0.256             |  |  |  |  |  |  |
| 62 30.83-32.70                              | 0.032             | L0.05 |                   |  |  |  |  |  |  |
| 63 32.70-34.27                              | 0.023             | L0.05 |                   |  |  |  |  |  |  |
| 64 53.02-56.07                              | 0.037             | L0.05 |                   |  |  |  |  |  |  |
| 65 68.30-69.83                              | 0.028             | L0.05 |                   |  |  |  |  |  |  |

NOTE: L : denotes less than  
 opt.: ounces per ton  
 (1) analysis done by acid digestion  
 (2) analysis done by fire assay

Rejects retained two weeks  
 Pulps retained three months

BONDAR-CLEGG & COMPANY LTD.

*Steve Simpson*