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SUMMARY OF GEOCHEMICAL  
ANALYSES ON  
EDEN TOWNSHIP CLAIMS  
LUKE LAKE LTD, 1983

**RECEIVED**

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MINING LANDS SECTION

By

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Limited  
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Vancouver, BC

1983 July 18



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## INTRODUCTION

This report is a compilation of geochemical analyses performed on drill core samples from diamond drill holes ED. 82-3, ED. 82-4, and from rock samples collected during geological mapping. The cost of this work is submitted for expenditure credits under Section 86(18) of the Mining Oct. A breakdown of the costs is given later in this report.

## PROPERTY

The property is owned by Luke Lake Ltd, which was under option to Du Pont of Canada Exploration Limited, at the time of the subject work. The outline of the property and the claim numbers are shown on a claim map, figure 1, (in pocket).

## SAMPLE COLLECTION

Rock samples taken from outcrops were collected during the course of geological mapping and have a random distribution. Samples containing sulphides or having a rusty colour were preferentially selected. The average weight of individual samples was 1 kg.

Samples of drill core were selected on the basis of visual estimates of sulphides content. Generally samples were collected so as to represent a distinct lithology. Individual samples lengths average 1.5 m or less.

## PURPOSE OF THE GEOCHEMICAL ANALYSES

The surface rock samples were analyzed for gold and arsenic. Gold was chosen as a direct indicator of gold mineralization, and arsenic was used as an indirect indicator of gold mineralization. Seven samples containing greater than 15% pyrrhotite were analyzed for copper and nickel.

## GEOCHEMICAL PROCEDURE

Rock and core samples were crushed to -200 mesh size prior to analyses. The gold content of a 20 gm sample was determined by a combination of the fire assay procedure and plasma emission spectrometry. The results were reported in parts per billion (ppb). Arsenic was determined by neutron activation techniques, and the results reported in parts per million (ppm). Copper and nickel were determined by atomic adsorption analyses, and the results reported in parts per million (ppm).

## PRESENTATION OF RESULTS

The location of the surface rock samples are plotted on six 1" = 200 geology maps (in pocket). The analytical results, together with grid coordinates are listed in Appendix 2.

The location of drill holes ED. 82-3 and ED 82-4 are shown in figure 2 (in pocket). The analytical results are listed in Appendix 2 along with the sample numbers. The values are also listed on the enclosed drill logs, Appendix 1.

#### COST BREAKDOWN

Invoices and analytical result reports documenting the analytical costs, and the quantity of samples are enclosed as Appendix 3. A summary of costs is as follows:

| <u>Invoice No.</u> | <u>Preparation</u> | <u>Number of Samples</u> |           |           |           | <u>Cost</u>     |
|--------------------|--------------------|--------------------------|-----------|-----------|-----------|-----------------|
|                    |                    | <u>Au</u>                | <u>As</u> | <u>Cu</u> | <u>Ni</u> |                 |
| 12277              | 4                  | 4                        | 4         | -         | -         | \$ 56.00        |
| 12700              | 6                  | 6                        | -         | -         | -         | 48.00           |
| 13276              | 96                 | 96                       | 96        | -         | -         | 1,344.00        |
| 15078              | 23                 | 23                       | -         | 7         | 7         | 228.35          |
| 15557              | <u>220</u>         | <u>220</u>               | -         | -         | -         | <u>1,980.00</u> |
|                    | 349                | 349                      | 100       | 7         | 7         | \$3,656.35      |

Assessment Days Credit:  $\$3,656.35 \div \$15.00 = 243.76$  days.

#### ASSESSMENT CREDIT ALLOWANCE

The work reported was performed on claims S515447, 451, S538602, 605, 607, 609, 611-614, 632, 633, S588616, 619, 627, 628, 630, 635, 636, 638, 639-657, 660-665, S588707-709, 711-714, 717, 722-724, 726, 728-740, and S630742.

The work is to be credited to the claims listed on the accompanying report of work.

#### CONCLUSION

The analytical results reported on were successful in defining outcrops which contained anomalous gold contents. The analyses of drill core samples demonstrated that anomalous gold values exist in the geophysical targets that were drilled.

*G.A. Harron*

G.A. Harron  
Senior Geologist  
1983 July 18

GAH/lh

QUALIFICATIONS

I, Gerald A. Harron, do hereby certify that:

1. I am a geologist residing at 2810 Sechelt Drive, North Vancouver, British Columbia and employed by Du Pont of Canada Exploration Limited.
2. I am graduate of the University of Western Ontario with a M.Sc. degree in geology.
3. I am a registered Professional Engineer in the Province of Ontario.
4. I have practised my profession in geology continuously for the past 14 years in various provincial jurisdictions in Canada.
5. Between 1981 July 1 and 1982 October 5, I supervised/ conducted a field programme on the Luke Lake Limited claims in Eden Township on behalf of Du Pont of Canada Exploration Limited.

*GA Harron*

Gerald A. Harron  
1983 July 18

APPENDIX 1

DRILL LOGS ED. 82-3, ED. 82-4

# DIAMOND DRILL HOLE RECORD

DRILLED BY: R. J. Poisson Drilling  
 HOLE NUMBER: ED 82-3 LENGTH: 300'  
 LOCATION: 55J8605 DIP: Collar -45°  
 LATITUDE: CKID 18 + 00S DEPARTURE: 70 + 00W  
 ELEVATION: ? AZIMUTH: 145°  
 HOLE STARTED: 1982 July 5 HOLE COMPLETED: 1982 July 9

| ACID B/OR TRO - PARI TESTS |       |         |         |     |         |
|----------------------------|-------|---------|---------|-----|---------|
| FOOTAGE                    | DIP   | AZIMUTH | FOOTAGE | DIP | AZIMUTH |
| 0                          | -45°  |         |         |     |         |
| 130                        | -45.5 |         |         |     |         |
| 170                        | -46°  |         |         |     |         |

SHEET No 1 OF 7  
 HOLE NUMBER: ED 82-  
 PROPERTY: EDEN  
 ACCOUNT No: 350-00  
 CORE SIZE: BQ  
 % CORE RECOVERY: \_\_\_\_\_  
 LOGGED BY: M.I. Jones

| FOOTAGE |      |       |        | DESCRIPTION  | SAMPLE |               |      |      |       |        | ASSAYS    |  |  |  |
|---------|------|-------|--------|--|--------|---------------|------|------|-------|--------|-----------|--|--|--|
| FROM    | TO   | WIDTH | REVERT |  | NUMBER | %<br>B/A/100% | FROM | TO   | WIDTH | REVERT | AU<br>ppb |  |  |  |
| 0.0     |      |       |        | Collar   |        |               |      |      |       |        |           |  |  |  |
| 0.0     | 8.0  | 8.0   |        | Caseing  |        |               |      |      |       |        |           |  |  |  |
| 8.0     | 40.4 | 32.4  |        | HB Gabbro, medium to coarse gr, dark green, HB phenos,<br>Plag-matrix.<br>- Several shear zones are evident, esp. near top of section,<br>ave 50° to C.A.<br>- Py and Pø in scattered, irregular diss.                           | P000C  | 3             | 8.0  | 13.0 | 5.0   |        | <2        |  |  |  |
|         |      |       |        |  | P001C  | 2             | 25.0 | 30.0 | 5.0   |        | <2        |  |  |  |
| 33.7    | 34.5 | 0.8   |        | Syenitic Dike? - Fairly sharp cnt with gabbro, 90° to C.A.<br>- Py on fractures  | P002C  | 3             | 33.7 | 34.5 | 0.8   |        | <2        |  |  |  |
|         |      |       |        |  | P003C  | 1             | 34.5 | 40.1 | 5.6   |        | <2        |  |  |  |
| 40.4    | 55.0 | 14.6  |        | Chill margin or bnfls - Bi-rich, Pl, HB, fine grained black<br>- Small bleach zones where Cl-Qz veins cut core<br>- Bx at top of interval - Cl-Qz veins show Py -<br>- Anatectic glass<br>- Bleds of Py, Pø diss, assoc. with Bx | P004C  | 2             | 40.1 | 43.0 | 2.9   |        | <2        |  |  |  |
|         |      |       |        |  | P005C  | 1             | 43.0 | 48.0 | 5.0   |        | 3         |  |  |  |
|         |      |       |        |  | P006C  | 2-3           | 48.0 | 53.0 | 5.0   |        | <2        |  |  |  |
|         |      |       |        |  | P007C  | 2             | 53.0 | 55.0 | 2.0   |        | <2        |  |  |  |

## DIAMOND DRILL HOLE RECORD

MOLE NUMBER ED 82-3

SHEET NUMBER 2 OF 7

| FOOTAGE |       |       |       | DESCRIPTION  | SAMPLE |                   |         |       |       | ANALYSIS  |    |  |       |
|---------|-------|-------|-------|--|--------|-------------------|---------|-------|-------|-----------|----|--|-------|
| FROM    | TO    | WIDTH | RCVRY |  | NUMBER | N<br>HALF<br>FEET | FOOTAGE |       |       | AU<br>PPb |    |  |       |
|         |       |       |       |  |        |                   | FROM    | TO    | WIDTH |           |    |  | RCVRY |
| 55.0    | 82.1  | 27.1  |       | GRDR - altered (CL) and bleached - crushed?<br>- QZ veins and small Py, PA blebs present   | 9008C  | 2                 | 55.0    | 57.2  | 2.2   |           | <2 |  |       |
| 57.2    | 59.7  | 2.5   |       | DIOR Dyke - Small bit of altered GRDR caught up in centre<br>of interval - fine grained, dark brown<br>- No sulfides, except small amounts on fractures<br>- CNT - discordant, sharp | 9009C  | 1                 | 57.2    | 59.7  | 2.5   |           | 2  |  |       |
|         |       |       |       |  | 9110C  | 1                 | 59.7    | 63.0  | 3.3   |           | 3  |  |       |
| 63.0    | 65.7  | 2.7   |       | Fine grained TRON or felsic Hnfs, dyke-like body? - fairly   | 9011C  | <1                | 63.0    | 66.0  | 3.0   |           | 4  |  |       |
| 68.0    | 79.1  | 11.1  |       | Sharp cnts, however seems to show bdg (or foliation?)<br>intermittently, 50° to C.A.<br>- Small anatectic clots also present<br>- Sulfides, Py, in blebs, rare veinlets              | 9012C  | 5                 | 66.0    | 68.1  | 2.1   |           | 3  |  |       |
|         |       |       |       |  | 9013C  | 1                 | 68.1    | 73.0  | 4.9   |           | 2  |  |       |
|         |       |       |       |  | 9014C  | 1                 | 73.0    | 76.3  | 3.3   |           | 2  |  |       |
|         |       |       |       |  | 9015C  | <1                | 76.3    | 79.0  | 2.7   |           | <2 |  |       |
| 82.1    | 91.6  | 9.5   |       | Arkose/Feldspathic Quartzite - also some mixture of GRDR at<br>top of interval - slow transition from previous interval.<br>- Bdg gone, sulfides rare                                | 9016C  | 2                 | 79.0    | 83.3  | 4.3   |           | 2  |  |       |
|         |       |       |       |  | 9017C  | <1                | 83.3    | 88.0  | 4.7   |           | 4  |  |       |
|         |       |       |       |  | 9018C  | 1                 | 88.0    | 91.7  | 3.7   |           | <2 |  |       |
| 91.6    | 95.2  | 4.6   |       | GRDR - altered - sulfides in fractures   | 9019C  | 1                 | 91.7    | 97.0  | 5.3   |           | 52 |  |       |
| 95.2    | 101.5 | 6.3   |       | Arkose or Feldspathic Quartzite<br>- BDG gone<br>- Small (2 cm) CL-QZ slt with Jarke (5 mm) Py blebs.  | 9020C  | 1                 | 97.0    | 101.3 | 4.3   |           | 3  |  |       |



## DIAMOND DRILL HOLE RECORD

HOLE NUMBER ED 82-3

SHEET NUMBER 3 OF 7

| FOOTAGE |       |       |       | DESCRIPTION  | SAMPLE |     |       |       |       | ANALYSIS |          |          |
|---------|-------|-------|-------|--|--------|-----|-------|-------|-------|----------|----------|----------|
| FROM    | TO    | WIDTH | RCVRT |  | NUMBER | %   | FROM  | TO    | WIDTH | RCVRT    | ANALYSIS | ANALYSIS |
| 01.5    | 105.3 | 3.8   |       | Altered GRDK., sharp cnts, Cl alt'n prevalent B1/Cl speckle rock. Py disseminated in blebs, rare on fracture surfaces. | P021C  | 2   | 101.3 | 105.3 | 4.0   |          | 3        |          |
| 05.2    | 110.6 | 2.2   |       | Quartzite, some feldspar, sericitized, minor B1 speckles.  | P022C  | <1  | 105.3 | 108.0 | 2.7   |          | 2        |          |
|         |       |       |       | - BDG zone.  | P023C  | 2   | 106.0 | 110.7 | 2.7   |          | 2        |          |
|         |       |       |       | - Small QZ rich zone. 5 cm - with sulphides at edge  |        |     |       |       |       |          |          |          |
|         |       |       |       | - Also, small QZ veins, cut core at 55° to C.A.  |        |     |       |       |       |          |          |          |
| 10.6    | 111.8 | 1.2   |       | Gran. etc. gr., Pegmatitic dyke, QZ-KF-B1  | P024C  | 1   | 110.7 | 111.8 | 1.1   |          | 4        |          |
|         |       |       |       | - Minor Py diss.   |        |     |       |       |       |          |          |          |
| 11.8    | 113.4 | 1.6   |       | BX Dior? - Heavily chloritized matrix.   | P025C  | 2-5 | 111.8 | 113.5 | 1.7   |          | 2        |          |
|         |       |       |       | - Sulphides Py-Pb, also concentrates in the matrix   |        |     |       |       |       |          |          |          |
|         |       |       |       | - Several S sulfides.  |        |     |       |       |       |          |          |          |
| 13.4    | 118.6 | 5.2   |       | BX QZIT. Cl-rich and sulfide matrix  | P026C  | 3   | 113.5 | 118.5 | 5.0   |          | 3        |          |
|         |       |       |       | - Sulphides not found in fractures   |        |     |       |       |       |          |          |          |
| 16.6    | 126.6 | 2.0   |       | Fine grained TRSN (Fels. bnls) - Equiaxial, lt. to med. grey   | P027C  | <1  | 118.5 | 122.5 | 4.0   |          | 2        |          |
|         |       |       |       | - B1 shows foliation, 65° to C.A.  | P028C  | 1   | 122.5 | 125.0 | 2.5   |          | 2        |          |
|         |       |       |       | - Very fine dissemination of Py, rare  |        |     |       |       |       |          |          |          |
|         |       |       |       | - Cl-QZ-Py veinlets cause bleached envelopes, seen in lower half of interval.  |        |     |       |       |       |          |          |          |
| 25.0    | 125.5 | 0.5   |       | Schist. BX - Metagreywacke. Py blebs small QZ-Cl veinlets  | P029C  | 2   | 125.0 | 126.6 | 1.6   |          | 4        |          |

## DIAMOND DRILL HOLE RECORD

HOLE NUMBER ED 82-3

SHEET NUMBER 4 OF 2

| FOOTAGE |       |       |       | DESCRIPTION   | SAMPLE |          |         |       |       |       | A         |  |  |
|---------|-------|-------|-------|---|--------|----------|---------|-------|-------|-------|-----------|--|--|
| FROM    | TO    | WIDTH | RCVMT |   | NUMBER | MULTIPLY | FOOTAGE |       |       |       | AU<br>PDB |  |  |
|         |       |       |       |   |        |          | FROM    | TO    | WIDTH | RCVMT |           |  |  |
| 126.6   | 132.1 | 5.5   |       | Bx QZIT - CL-QZ matrix. Sulphides not greater than 1% | 9030C  | 1        | 126.6   | 132.1 | 5.5   |       | 180       |  |  |
| 132.1   | 141.3 | 9.2   |       | Hornfels - Bx (may include some schist Bx)            | 9031C  | <1       | 132.1   | 136.9 | 5.8   |       | <2        |  |  |
|         |       |       |       | - Anatectic clots. sulphides rare                     | 9032C  | <1       | 136.9   | 141.3 | 4.4   |       | 4         |  |  |
|         |       |       |       | - Matrix has Bi phenos                                |        |          |         |       |       |       |           |  |  |
| 141.3   | 157.9 | 16.6  |       | Schist Bx/Metagwac - Bi, Musc, Plag.                  | 9033C  | <1       | 141.3   | 146.0 | 4.7   |       | <2        |  |  |
|         |       |       |       | - Foliation att. varies, sulphides very rare          | 9034C  | <1       | 146.0   | 151.0 | 5.0   |       | <2        |  |  |
|         |       |       |       | - More siliceous material (lighter colour) in matrix  | 9035C  | <1       | 151.0   | 156.0 | 5.0   |       | <2        |  |  |
|         |       |       |       |   | 9036C  | <1       | 156.0   | 157.9 | 1.9   |       | 5         |  |  |
| 157.9   | 160.7 | 2.8   |       | Fine grained Gabr dyke, dark green, equigranular      |        |          |         |       |       |       |           |  |  |
|         |       |       |       | - Bi, Hb?, Pl   | 9037C  | 1        | 157.9   | 160.7 | 2.8   |       | 4         |  |  |
|         |       |       |       | - Small zone of schist Bx 159.3' - 160.2'             |        |          |         |       |       |       |           |  |  |
| 160.7   | 167.5 | 6.8   |       | Bx, Epidotized QZIT, Feldspathic                      | 9038C  | 3        | 160.7   | 165.0 | 4.3   |       | 120       |  |  |
|         |       |       |       | - Bdg. gone   | 9039C  | 2        | 165.0   | 167.5 | 2.5   |       | 3         |  |  |
|         |       |       |       | - zone of sulfides, CP, P <sub>2</sub> intermixed     |        |          |         |       |       |       |           |  |  |
| 167.5   | 169.5 | 2.0   |       | Gabbro dyke, chilled margins                          | 9040C  | <1       | 167.5   | 169.5 | 2.0   |       | 5         |  |  |
|         |       |       |       | - Later QZ Veins created bleached envelope            |        |          |         |       |       |       |           |  |  |
| 169.5   | 182.9 | 13.4  |       | Garnet/Microcline/QZ metacrystic unit - Hnfls?        | 9041C  | <1       | 169.5   | 175.0 | 5.4   |       | <2        |  |  |
|         |       |       |       | - Brown and green intermixed - C1 present (or DJ?)    |        |          |         |       |       |       |           |  |  |
|         |       |       |       | - Large XTALS of GA                                   |        |          |         |       |       |       |           |  |  |
|         |       |       |       | - QZ vn, 65° to C.A.                                  |        |          |         |       |       |       |           |  |  |

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## DIAMOND DRILL HOLE RECORD

HOLE NUMBER: ED 82-3

SHEET NUMBER 6 of 7

| FOOTAGE |       |       |       | DESCRIPTION  | SAMPLE |       |       |       |       | ASSAYS |    |    |
|---------|-------|-------|-------|--|--------|-------|-------|-------|-------|--------|----|----|
| FROM    | TO    | WIDTH | RECRY |  | NUMBER | DEPTH | FROM  | TO    | WIDTH | RECRY  | AG | DB |
| 232.7   | 236.2 | 3.5   |       | Metacrystic unit GA/KF/QZ<br>- XTALS not well defined  | 9153C  | <1    | 233.0 | 236.5 | 3.5   |        | <2 |    |
| 236.2   | 240.7 | 4.5   |       | QZIT, extremely rextallized, minor feldspar<br>- CNT with metacrystic unit very distinct<br>- A few CL dias<br>- P0 in large aggregates - 1-2 cm across    | 9154C  | 5     | 236.5 | 240.6 | 4.1   |        | 66 |    |
| 240.7   | 242.8 | 2.1   |       | Feldspathic Quartzite with bull QZ (30% of interest)<br>- Bull QZ contains P0, Py in fractures/dias<br>- Also sulphides at CNT with QZIT<br>- QZ is bluish | 9155C  | 5     | 240.6 | 242.7 | 2.1   |        | 18 |    |
| 242.8   | 251.4 | 8.6   |       | Feldspar rich gabbro or Dior - CSE GR<br>- Several plag-rich pegmatic clots with Py, P0  | 9156C  | 5     | 242.7 | 248.0 | 5.3   |        | 27 |    |
|         |       |       |       |  | 9157C  | 5     | 248.0 | 251.4 | 3.4   |        | 5  |    |
| 251.4   | 253.3 | 1.9   |       | Metacrystic unit - This time fades into arks at 253.3 -<br>perhaps rextallized version of arks.  | 9158C  | <1    | 251.4 | 256.0 | 4.6   |        | 7  |    |
| 253.3   | 258.2 | 4.9   |       | Arkose, Feldspathic QZIT<br>Bdg gone   | 9159C  | <1    | 256.0 | 258.2 | 2.2   |        | 2  |    |
| 258.2   | 280.0 | 21.8  |       | HR Gabb. Med. to CSE GR.   | 9160C  | 1     | 258.2 | 263.0 | 4.8   |        | <2 |    |

ED 82-3



# DIAMOND DRILL HOLE RECORD

DRILLED BY: R & J POISSON DRILLING

HOLE NUMBER: ED 82-4 LENGTH: 400'

LOCATION: S538599 DIP: Collar 66°

LATITUDE: GRID B + 005 DEPARTURE: B3 + 30W

ELEVATION: ? AZIMUTH: 305°

HOLE STARTED: 1982 July HOLE COMPLETED: 1982 July

| ACID &/OR TRO-PARI TESTS |       |         |         |     |         |
|--------------------------|-------|---------|---------|-----|---------|
| FOOTAGE                  | DIP   | AZIMUTH | FOOTAGE | DIP | AZIMUTH |
| 0                        | -46   |         |         |     |         |
| 150                      | -45.5 |         |         |     |         |
| 300                      | -45.5 |         |         |     |         |
| 600                      | -45.0 |         |         |     |         |

SHEET No 1 OF 7

HOLE NUMBER: ED 82-

PROPERTY: EDEN

ACCOUNT No: 350-00

CORE SIZE: BQ

% CORE RECOVERY:

LOGGED BY: M.J. Jones

| FOOTAGE |      |       |       | DESCRIPTION   | SAMPLE |            |         |      |     |       | ASSAYS |     |  |  |  |  |
|---------|------|-------|-------|---|--------|------------|---------|------|-----|-------|--------|-----|--|--|--|--|
| FROM    | TO   | WIDTH | RECVY |   | NUMBER | % SUITABLE | FOOTAGE |      |     |       | AD     |     |  |  |  |  |
|         |      |       |       |   |        |            |         | FROM | TO  | WIDTH | RECVY  | PPB |  |  |  |  |
| 0.0     |      |       |       | Collar  |        |            |         |      |     |       |        |     |  |  |  |  |
| 0       | 4.0  | 4.0   |       | CASING  |        |            |         |      |     |       |        |     |  |  |  |  |
| 4.0     | 24.1 | 20.1  |       | HB GABR, Medium gr., green<br>- Margin appears chilled below 20.2 (or HNFLS)  | 9166C  | 3          | 8.0     | 12.0 | 4.0 |       | 3      |     |  |  |  |  |
|         |      |       |       |   | 9167C  | 1          | 12.0    | 16.6 | 4.6 |       | <2     |     |  |  |  |  |
| 16.6    | 20.2 | 3.6   |       | Xenolith? - sheared QZ and CL-rich rock, bull QZ present.<br>part of section is disrupted GABR and GRDR.<br>- Small calcite velt.                                       | 9168C  | 4          | 16.6    | 20.2 | 3.6 |       | 6      |     |  |  |  |  |
|         |      |       |       |   | 9169C  | 1          | 20.2    | 24.1 | 3.9 |       | 5      |     |  |  |  |  |
| 24.1    | 29.3 | 5.2   |       | Meta-GRDR, med. gr., PLAG, KF, minor Cl (from B1) - arks?<br>- Shear structures to 25.6, disrupt lithology with CL-QZ<br>- Mylonitic swirls<br>- Fine grain dias. of Py | 9170C  | 3          | 24.1    | 29.3 | 5.2 |       | 4      |     |  |  |  |  |
| 29.3    | 31.2 | 1.9   |       | Feldspathic QZIT, "Dirty", B1 and perhaps f. gr. HB<br>- Misc. also   | 9171C  | 1          | 29.3    | 31.2 | 1.9 |       | <2     |     |  |  |  |  |

## DIAMOND DRILL HOLE RECORD

HOLE NUMBER ED 82-4

SHEET NUMBER 2 OF 2

| FOOTAGE |       |       |      | DESCRIPTION   | SAMPLE |            |         |       |      |           | ASSAYS |  |
|---------|-------|-------|------|---|--------|------------|---------|-------|------|-----------|--------|--|
| FROM    | TO    | WIDTH | RECY |   | NUMBER | %<br>S&D/S | FOOTAGE |       |      | AU<br>PPb |        |  |
|         |       |       |      |   |        | FROM       | TO      | WIDTH | RECY |           |        |  |
|         |       |       |      | - BDG. gone   |        |            |         |       |      |           |        |  |
|         |       |       |      | - Small wisps of Py, 12 sulfides, on fractures  |        |            |         |       |      |           |        |  |
| 31.2    | 33.1  | 1.9   |      | Syenite, dyke or Rextalliz'nt, PL, KF, BI   | 9172C  | <1         | 31.2    | 33.1  | 1.9  |           | <2     |  |
|         |       |       |      | - Some shears   |        |            |         |       |      |           |        |  |
|         |       |       |      | - Small block of feldspathic QZIT included  |        |            |         |       |      |           |        |  |
| 33.1    | 43.7  | 10.6  |      | Quartzite, Feldspathic, BI speckles, minor HE stain   | 9173C  | 4          | 33.1    | 38.2  | 5.1  |           | 5      |  |
|         |       |       |      | - BDG gone small bands of more argillaceous material  | 9174C  | 4          | 38.2    | 43.7  | 5.5  |           | 3      |  |
|         |       |       |      | - Py on fractures, and some F. gr. disp., 65° to C.A.   |        |            |         |       |      |           |        |  |
| 43.7    | 45.7  | 2.0   |      | Syenite, f.gr. groundmass, PL, KF, HE, pink to reddish orange,<br>small rectangular plag. phenos. | 9175C  | 8          | 43.7    | 45.7  | 2.0  |           | <2     |  |
|         |       |       |      | - Highly fractured, crackled, shot full of Py, QZ   |        |            |         |       |      |           |        |  |
|         |       |       |      | - S-102 sulfides  |        |            |         |       |      |           |        |  |
| 45.7    | 197.9 | 152.2 |      | Quartzite, Feldspathic but also massive and argillaceous  | 9176C  | 3          | 45.7    | 50.0  | 4.3  |           | <2     |  |
|         |       |       |      | - Mostly rextallized, feldspars visible in QZ matrix  | 9177C  | 3          | 50.0    | 55.0  | 5.0  |           | <2     |  |
|         |       |       |      | - Cyclic units apparent, from QZ-rich at top to feldspathic<br>to argillaceous QZIT at bottom.    | 9178C  | 3          | 55.0    | 58.6  | 3.5  |           | <2     |  |
|         |       |       |      | - Usually sharp CNT between QZ-rich and argillaceous QZIT -<br>small disp. of BI/musc 3-5%        |        |            |         |       |      |           |        |  |
|         |       |       |      | 67.4-71.5 - One cyclic unit visible - very sharp CNT at 71.5'                                     |        |            |         |       |      |           |        |  |
|         |       |       |      | - Sulphides are ubiquitous, esp. noticeable in more QZ-rich<br>sections                           |        |            |         |       |      |           |        |  |

## DIAMOND DRILL HOLE RECORD

HOLE NUMBER ED 82-4

SHEET NUMBER 3 OF 7

| FOOTAGE |       |       |       | DESCRIPTION  | SAMPLE |             |      |       |       |       | ASSAYS    |  |
|---------|-------|-------|-------|--|--------|-------------|------|-------|-------|-------|-----------|--|
| FROM    | TO    | WIDTH | RECVY |  | NUMBER | %<br>HAZELS | FROM | TO    | WIDTH | RECVY | AU<br>ppb |  |
|         |       |       |       | - Fill randomly oriented fractures   |        |             |      |       |       |       |           |  |
|         |       |       |       | - Fuchsite also very common though $<1\%$ , usually shows up more concentrated in small intervals. |        |             |      |       |       |       |           |  |
| 58.6    | 60.0  | 1.4   |       | GRDR - Bl phenos PL, KF, QZ  | 9179C  | 2           | 58.6 | 60.0  | 1.4   |       | 3         |  |
|         |       |       |       | - Some bleaching of Bl - Syen?   | 9180C  | 3           | 60.0 | 65.0  | 5.0   |       | <2        |  |
|         |       |       |       | - Py occurs as small diss./fractures   | 9181C  | 2           | 65.0 | 69.4  | 4.4   |       | <2        |  |
|         |       |       |       |  | 9182C  | 2           | 69.4 | 71.5  | 2.1   |       | 3         |  |
|         |       |       |       |  | 9183C  | 3           | 71.5 | 73.8  | 2.3   |       | <2        |  |
|         |       |       |       |  | 9184C  | 4           | 73.8 | 78.0  | 4.2   |       | <2        |  |
|         |       |       |       |  | 9185C  | 3           | 78.0 | 82.0  | 4.0   |       | <2        |  |
| 82.0    | 86.0  | 4.0   |       | Argillaceous Quartzite? on f.gr. diorite.  | 9186C  | 5           | 82.0 | 86.0  | 4.0   |       | <2        |  |
|         |       |       |       | - Bl-PL, some QZ.  |        |             |      |       |       |       |           |  |
|         |       |       |       | - Py is diss. throughout, creates wispy bands  |        |             |      |       |       |       |           |  |
|         |       |       |       | - QZ-KF vns also carry Py ~25-30% to C.A.  |        |             |      |       |       |       |           |  |
| 86.7    | 86.8  | 0.1   |       | Syen, small dyke   | 9187C  | 4           | 86.0 | 90.6  | 4.6   |       | <2        |  |
|         |       |       |       |  | 9188C  | 8           | 90.6 | 92.0  | 1.4   |       | <2        |  |
| 97.6    |       |       |       | Fault CNT within QZIT, between argillaceous and feldspathic  | 9189C  | 4           | 92.0 | 97.6  | 5.6   |       | <2        |  |
|         |       |       |       | Quartzite, 15° to C.A.   | 9190C  | 3           | 97.6 | 99.9  | 2.3   |       | <2        |  |
| 99.9    | 100.0 | 0.1   |       | Mafic dyke discordant CNT with seds  | 9191C  | 2           | 99.9 | 104.0 | 4.1   |       | <2        |  |
|         |       |       |       | - Seds crackled above, Py is injected  |        |             |      |       |       |       |           |  |

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## DIAMOND DRILL HOLE RECORD

HOLE NUMBER ED 82-4

SHEET NUMBER 4 OF 7

| FOOTAGE |       |       |       | DESCRIPTION   | SAMPLE |              |       |       |       |       | ASSAYS    |  |  |
|---------|-------|-------|-------|---|--------|--------------|-------|-------|-------|-------|-----------|--|--|
| FROM    | TO    | WIDTH | RCVRY |   | NUMBER | %<br>DUP/RES | FROM  | TO    | WIDTH | RCVRY | KU<br>DDP |  |  |
| 104.5   |       |       |       | Bx - Due to fault movement - Bx sif.  | 9192C  | 1            | 104.0 | 105.0 | 1.0   |       | 5         |  |  |
|         |       |       |       |   | 9193C  | 2            | 105.0 | 110.0 | 5.0   |       | 16        |  |  |
|         |       |       |       |   | 9194C  | 2            | 110.0 | 115.0 | 5.0   |       | <2        |  |  |
|         |       |       |       |   | 9195C  | 3            | 115.0 | 120.0 | 5.0   |       | <2        |  |  |
|         |       |       |       |   | 9196C  | 2            | 120.0 | 125.0 | 5.0   |       | <2        |  |  |
|         |       |       |       |   | 9197C  | 4            | 125.0 | 130.0 | 5.0   |       | <2        |  |  |
|         |       |       |       |   | 9198C  | 3            | 130.0 | 133.0 | 2.2   |       | <2        |  |  |
|         |       |       |       |   | 9199C  | 3            | 133.0 | 135.8 | 2.5   |       | <2        |  |  |
|         |       |       |       |   | 9200C  | 6            | 135.8 | 137.2 | 1.4   |       | <2        |  |  |
|         |       |       |       |   | 9201C  | 3            | 137.2 | 142.0 | 4.8   |       | <2        |  |  |
|         |       |       |       |   | 9202C  | 4            | 142.0 | 147.0 | 5.0   |       | <2        |  |  |
|         |       |       |       |   | 9203C  | 3            | 147.0 | 150.4 | 3.4   |       | <2        |  |  |
|         |       |       |       |   | 9204C  | 4            | 150.4 | 154.8 | 4.4   |       | 2         |  |  |
| 154.9   | 156.9 | 2.0   |       | Mafic Dyke, diabase, PL, PK?, f.gr., Garnetiferous<br>- Lower CNT, gradual<br>- Q2 vn, <5° to C.A., with Py | 9205C  | 1            | 154.8 | 156.9 | 2.1   |       | <2        |  |  |
| 160.0   | 161.3 | 1.3   |       | Syen, or rextallized arks, discordant CNT with seds<br>- Py in fracture                                     | 9206C  | 4            | 156.9 | 161.3 | 4.4   |       | 5         |  |  |
|         |       |       |       |   | 9207C  | 3            | 161.3 | 166.0 | 4.7   |       | 2         |  |  |
|         |       |       |       |   | 9208C  | 4            | 166.0 | 167.8 | 1.8   |       | 4         |  |  |
|         |       |       |       |   | 9209C  | 4            | 167.8 | 170.0 | 2.2   |       | 2         |  |  |
|         |       |       |       |   | 9210C  | 3            | 170.0 | 175.0 | 5.0   |       | 7         |  |  |
|         |       |       |       |   | 9211C  | 1            | 175.0 | 181.0 | 6.0   |       | <2        |  |  |

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## DIAMOND DRILL HOLE RECORD

HOLE NUMBER: ED 82-4

SHEET NUMBER 5 OF 7

| FOOTAGE |       |       |       | DESCRIPTION   | SAMPLE |         |       |       |       |       | ANALYSIS |     |  |  |
|---------|-------|-------|-------|---|--------|---------|-------|-------|-------|-------|----------|-----|--|--|
| FROM    | TO    | WIDTH | DEPTH |   | NUMBER | % HOLES | FROM  | TO    | WIDTH | DEPTH | AU       | PPb |  |  |
| 181.0   | 183.9 | 2.9   |       | Mafic Dyke, diabase, f.gr., Garnetiferous<br>- Small QZ vns with Py   | 9212C  | 3       | 181.0 | 183.9 | 2.9   |       |          |     |  |  |
|         |       |       |       |   | 9213C  | 2       | 183.9 | 189.0 | 5.1   |       |          |     |  |  |
|         |       |       |       |   | 9214C  | 3       | 189.0 | 194.0 | 5.0   |       |          |     |  |  |
|         |       |       |       |   | 9215C  | 1       | 194.0 | 197.9 | 3.9   |       |          |     |  |  |
| 197.8   | 217.1 | 19.3  |       | HB GABR, mostly med to CSE GR, large sized<br>XTALS in clots  | 9216C  | 1       | 197.9 | 203.0 | 5.1   |       |          |     |  |  |
|         |       |       |       |   | 9217C  | 1       | 203.0 | 208.0 | 5.0   |       |          |     |  |  |
| 208.4   | 217.1 | 8.7   |       | As above only with several shear zones up to 1' wide<br>- Mylonitic (f.gr.) sections<br>- Shear at lower CNT<br>- HE in vnlts and blebs, esp. 213-215 | 9218C  | 2       | 208.0 | 213.0 | 5.0   |       |          |     |  |  |
|         |       |       |       |   | 9219C  | 2       | 213.0 | 217.1 | 4.1   |       |          |     |  |  |
| 217.1   | 218.5 | 1.4   |       | Feldspathic Quartzite, brown<br>- Sulphides about 1%, diss.   | 9220C  | 1       | 217.1 | 218.5 | 1.4   |       |          |     |  |  |
| 218.5   | 219.5 | 1.0   |       | Bull QZ vn. - Sharp CNT with seds<br>- Fractures filled with Py and CP(?)<br>- Diss. Py rare  | 9221C  | 5       | 218.5 | 219.5 | 1.0   |       |          |     |  |  |
| 219.5   | 229.5 | 9.0   |       | HB GABR, med gr.<br>220.0 - Pegmatitic clot. QZ-KF-Py blebs<br>- Small zones of Hematite-altered plax<br>- Shear CNT at bottom of interval            | 2670B  | 5       | 219.8 | 220.2 | 0.4   |       |          |     |  |  |
|         |       |       |       |   | 9222C  | 1       | 220.3 | 224.0 | 3.8   |       |          |     |  |  |
|         |       |       |       |   | 9223C  | 1       | 224.0 | 228.5 | 4.5   |       |          |     |  |  |

# DIAMOND DRILL HOLE RECORD

HOLE NUMBER ED 82-4

SHEET NUMBER 6 OF 7

| FOOTAGE |       |       |        | DESCRIPTION   | SAMPLE |              |         |       |        |  | ASSAYS    |  |
|---------|-------|-------|--------|---|--------|--------------|---------|-------|--------|--|-----------|--|
| FROM    | TO    | WIDTH | REVERT |   | NUMBER | %<br>PYRITIC | Footage |       |        |  | AU<br>ppb |  |
|         |       |       |        |   |        | FROM         | TO      | WIDTH | REVERT |  |           |  |
| 228.5   | 229.9 | 1.4   |        | Arkose, sif.<br>- Mylonitic swirls at upper CNT with GABR<br>- Py in fractures - 3?   | 9224C  | 4            | 228.5   | 229.9 | 1.4    |  | <2        |  |
| 229.9   | 231.8 | 1.9   |        | Med. gr. GABR dyke (or HNFUS), scattered Py blebs, $<1\%$ , shearing is considerable.   | 9225C  | 2            | 229.9   | 231.8 | 1.9    |  | <2        |  |
| 231.8   | 246.9 | 15.1  |        | QZIT, Feldspathic sections, pinkish colour<br>- Also, small, darker coloured argillaceous bands<br>- RDC zone<br>- Sulphides ubiquitous, not as plentiful as the wide section above | 9226C  | 5            | 231.8   | 237.0 | 5.2    |  | <2        |  |
|         |       |       |        |   | 9227C  | 3            | 237.0   | 248.0 | 5.0    |  | <2        |  |
|         |       |       |        |   | 9288C  | 2            | 242.0   | 246.9 | 4.9    |  | <2        |  |
| 246.9   | 250.9 | 5.0   |        | QZ Dior, crushed with QZ, PL clots (or QZIT inclusions)<br>- Py in small lenses as well as diss. and vnls 5-10%<br>- QZ is bluish   | 9229C  | 7            | 246.9   | 249.2 | 2.3    |  | <2        |  |
|         |       |       |        |   | 9230C  | 5            | 249.2   | 250.9 | 1.7    |  | 3         |  |
| 250.6   | 266.4 | 15.6  |        | Dior, with GRDR sections, HB, BI, med gr.<br>- Py spears in lenses  | 9231C  | 2            | 250.9   | 256.0 | 5.1    |  | <2        |  |
|         |       |       |        |   | 9232C  | 4            | 256.0   | 261.0 | 5.0    |  | 7         |  |
|         |       |       |        |   | 9233C  | 5            | 261.0   | 266.4 | 5.4    |  | 2         |  |
| 266.4   | 267.0 | 0.6   |        | QZ vn, P <sub>8</sub> and Py in diss. blebs and fractures 10%   | 9234C  | 8            | 266.4   | 267.0 | 0.6    |  | 5         |  |
| 267.0   | 268.5 | 1.5   |        | Sheared pyritic GABR/DIOR<br>- Py in veins/diss.  | 9235C  | 6            | 267.0   | 268.5 | 1.5    |  | 3         |  |

921 470



APPENDIX 2

ANALYTICAL RESULTS

| SAMPLE | AU PPB | AS PPM | Lat.    | Long.  | Claim No. |
|--------|--------|--------|---------|--------|-----------|
| D-46   | 3      | 3      | 103+20W | 11+80S | S 538609  |
| D-47A  | <2     | 2      | 72+10W  | 29+30S | S 588616  |
| D-47B  | <2     | 4      | 72+50W  | 29+45S | S 588616  |
| D-51   | 110    | 210    | 32+90W  | 33+80S | S 538602  |

SAMPLE                      AU PPG      Lat.      Long.      Claim No.                      App 2

---

| SAMPLE | AU PPG | Lat.   | Long.  | Claim No. |
|--------|--------|--------|--------|-----------|
| #62    | 11     | 4+45E  | 12+00S | 5588633   |
| #66    | 86     | 11+65E | 6+35N  | 5538614   |
| #67A   | 5      | 10+60E | 11+10N | 5588619   |
| #67B   | 5      | 10+80E | 11+90N | 5588619   |
| #67C   | 23     | 10+10E | 12+10N | 5588619   |
| #67D   | 25     | 10+05E | 11+35N | 5588619   |

| S     | LE No. on Map | AU PPB | AS PPM | Lat.   | Long.  | Claim No. |
|-------|---------------|--------|--------|--------|--------|-----------|
| 3817C | J 61          | <2     | 37     | 39+70E | 0+25S  | S588639   |
| 3818C | J 62          | <2     | 3      | 50+30E | 6+80N  | S588643   |
| 3819C | J 63          | <2     | 3      | 59+40E | 3+85N  | S588653   |
| 3820C | J 64          | 2      | 2      | 87+10E | 2+50N  | S588722   |
| 3821C | J 65          | 4      | 8      | 61+50E | 12+10N | S588653   |
| 3822C | J 66          | 2      | 1      | 54+50E | 22+90N | S588652   |
| 3823C | J 67          | 3      | 4      | 61+55E | 35+70N | S588657   |
| 3824C | J 67          | 6      | 5      | 61+55E | 35+70N | S588657   |
| 3825C | J 69          | 4      | 2      | 75+10E | 17+20N | S588655   |
| 3826C | J 71          | 170    | <1     | 85+90E | 40+05N | S588665   |
| 3827C | J 72          | 9      | 5      | 79+30E | 42+55N | S588663   |



| SAMP  | NO. ON. MAP | AU PPB | AS PPH | Lat.    | Long.  | Claim No. |
|-------|-------------|--------|--------|---------|--------|-----------|
| 0050C | J 76        | 2      | 2      | 126+60E | 38+75N | 5588707   |
| 0051C | J 77        | <2     | 1      | 132+30E | 35+80N | 5588707   |
| 0052C | J 78A       | <2     | 1      | 128+90E | 24+10N | 5588708   |
| 0053C | J 78        | <2     | 1      | 129+40E | 26+05N | 5588707   |
| 0054C | J 79        | 20     | 2      | 118+80E | 20+50N | 5588708   |
| 0055C | J 45        | <2     | 1      | 3+10E   | 17+60N | 5588636   |
| 0056C | J 82        | 4      | 3      | 109+60E | 8+70N  | 5588713   |
| 0057C | J 82        | <2     | 1      | 109+60E | 8+70N  | 5588713   |
| 0058C | J 83        | 3      | 1      | 112+40E | 26+85N | 5588711   |
| 0059C | J 84        | <2     | 2      | 109+05E | 21+90N | 5588711   |
| 0060C | J 84        | 2      | 2      | 109+05E | 21+90N | 5588711   |
| 0061C | J 85        | <2     | 2      | 95+00E  | 3+10N  | 5588722   |
| 0062C | J 86        | 10     | 3      | 110+05E | 8+15S  | 5588729   |
| 0063C | J 86A       | <2     | 2      | 111+20E | 20+20S | 5588726   |
| 0064C | J 87        | <2     | 1      | 118+60E | 22+65S | 5588726   |
| 0065C | J 88        | 2      | 1      | 106+30E | 36+80S | 5588733   |
| 0066C | J 89        | <2     | 1      | 95+00E  | 23+90S | 5588728   |
| 0067C | J 89        | <2     | 1      | 95+00E  | 23+90S | 5588728   |
| 0068C | J 90        | <2     | 2      | 96+40E  | 16+95S | 5588728   |
| 0069C | J 91        | 3      | 2      | 90+00E  | 5+10S  | 5588729   |
| 0070C | J 92        | <2     | 2      | 78+90E  | 36+45S | 5588738   |
| 0071C | J 92        | <2     | 2      | 78+90E  | 36+45S | 5588738   |
| 0072C | J 93        | 15     | 2      | 85+65E  | 40+70S | 5588739   |
| 0073C | J 94        | 3      | 1      | 98+15E  | 48+20S | 5588736   |
| 0074C | J 94A       | 3      | 1      | 99+50E  | 53+30S | 5588735   |
| 0075C | J 94A       | <2     | 2      | 99+50E  | 53+30S | 5588735   |
| 0076C | J 95        | <2     | 3      | 110+95E | 65+00S | 5588735   |
| 0077C | J 96        | <2     | 2      | 107+00E | 48+60S | 5588739   |
| 0078C | J 96        | 3      | 1      | 107+00E | 48+60S | 5588739   |
| 0079C | J 97        | <2     | 2      | 94+95E  | 49+00S | 5588736   |
| 0080C | J 98        | 2      | 5      | 87+50E  | 25+40S | 5588731   |
| 0081C | J 98        | <2     | 2      | 87+50E  | 25+40S | 5588731   |
| 0082C | J 98        | <2     | 3      | 87+50E  | 25+40S | 5588731   |
| 0083C | J 99        | 6      | 1      | 80+30E  | 23+85S | 5588731   |
| 0084C | J 100       | <2     | 8      | 57+80E  | 35+40S | 5588740   |
| 0085C | J 100       | 2      | 2      | 57+80E  | 35+40S | 5588740   |
| 0086C | J 100       | 3      | 2      | 57+80E  | 35+40S | 5588740   |
| 0087C | J 101       | 3      | 2      | 59+80E  | 34+50S | 5588740   |
| 0088C | J 102       | <2     | 3      | 95+30E  | 85+80S | 5588745   |
| 0089C | J 103       | <2     | 1      | 58+10E  | 32+00S | 5588740   |
| 0090C | J 103       | <2     | 6      | 58+10E  | 32+00S | 5588740   |

Lat. Long. Claim No SAMPLE NO. ON MAP AU .PPB. AS PPM

|        |        |         |       |      |    |    |
|--------|--------|---------|-------|------|----|----|
| 45+30E | 45+00S | 5588749 | 3780C | J 30 | 5  | 2  |
| 38+80E | 40+80S | 5588630 | 3781C | J 31 | <2 | 3  |
| 27+35E | 23+90S | 5588628 | 3782C | J 32 | <2 | 3  |
| 21+05E | 28+10S | 5588632 | 3783C | J-33 | <2 | 3  |
| 39+60E | 58+70N | 5588660 | 3788C | J 36 | 12 | 10 |
| 49+00E | 47+40N | 5588661 | 3789C | J 37 | 2  | 4  |
| 58+95E | 45+55N | 5588662 | 3790C | J 38 | <2 | 2  |
| 56+90E | 42+60N | 5588662 | 3791C | J38A | <2 | 4  |
| 56+25E | 41+65N | 5588662 | 3792C | J 39 | <2 | 1  |
| 56+25E | 41+65N | 5588662 | 3793C | J 39 | 5  | 1  |
| 51+25E | 24+85N | 5588652 | 3794C | J40  | <2 | 2  |
| 51+25E | 24+85N | 5588652 | 3795C | J40  | 3  | 4  |
| 51+25E | 24+85N | 5588652 | 3796C | J40A | 6  | 1  |
| 23+20E | 39+05N | 5588650 | 3797C | J42  | 3  | 3  |
| 23+20E | 39+05N | 5588650 | 3798C | J42  | <2 | 2  |
| 23+20E | 39+05N | 5588650 | 3799C | J42A | <2 | 2  |
| 2+80E  | 29+00N | 5588647 | 3800C | J43  | <2 | 8  |
| 4+90E  | 23+20N | 5588636 | 3801C | J44  | <2 | 3  |
| 4+90E  | 19+30N | 5588636 | 3802C | J45A | <2 | 2  |
| 8+50E  | 19+90N | 5588619 | 3803C | J46  | <2 | 6  |
| 21+55E | 2+50N  | 5588638 | 3804C | J47  | 13 | 11 |
| 27+25E | 0+10N  | 5588638 | 3805C | J48  | 6  | 8  |
| 29+00E | 14+70N | 5588645 | 3806C | J49  | 2  | 2  |
| 51+45E | 15+90S | 5588641 | 3807C | J52  | 30 | 3  |
| 38+70E | 14+30S | 5588640 | 3808C | J53  | <2 | 1  |
| 35+80E | 10+30S | 5588639 | 3809C | J54  | 9  | 2  |
| 29+90E | 12+00S | 5588629 | 3810C | J55  | <2 | 1  |
| 30+50E | 16+65S | 5588627 | 3811C | J56  | 5  | 1  |
| 40+00E | 26+70S | 5588628 | 3812C | J57  | <2 | 6  |
| 65+20E | 7+85S  | 5588642 | 3813C | J58  | 7  | 12 |
| 55+85E | 11+85S | 5588641 | 3814C | J59  | 3  | 2  |
| 55+10E | 9+95S  | 5588641 | 3815C | J59A | <2 | 4  |
| 49+95E | 3+50N  | 5588644 | 3816C | J60  | 6  | 2  |

App 2

| SAMPLE | AU PPB | NI PPM | CU PPM | Lat.   | Long.  | Claim No |
|--------|--------|--------|--------|--------|--------|----------|
| 2663B  | 63     | 19     | 380    | 76+00E | 10+00S | S 588729 |
| 2664B  | 8      | 15     | 230    | 76+00E | 11+00S | S 588729 |
| 2665B  | 22     | 70     | 1600   | 75+00E | 10+00S | S 588729 |
| 2666B  | 23     | 20     | >4000  | 75+00E | 10+00S | S 588729 |
| 2667B  | 8      | 16     | 160    | 75+00E | 10+00S | S 588729 |
| 2668B  | 19     | 60     | 2000   | 75+00E | 10+00S | S 588729 |
| 2669B  | 29     | 17     | 190    | 76+00E | 9+50S  | S 588729 |

|       |    |    |    |         |        |          |
|-------|----|----|----|---------|--------|----------|
| 6700A | <2 | -- | -- | 75+00E  | 9+20N  | S 588659 |
| 6701A | <2 | -- | -- | 93+00E  | 3+80N  | S 588722 |
| 6702A | <2 | -- | -- | 77+00E  | 9+20N  | S 588659 |
| 6703A | <2 | -- | -- | 84+00E  | 12+00N | S 588722 |
| 6704A | 4  | -- | -- | 106+50E | 32+00N | S 630742 |

|       |    |    |    |         |        |          |
|-------|----|----|----|---------|--------|----------|
| 6707A | <2 | -- | -- | 47+65E  | 2+50N  | S 588643 |
| 6708A | 3  | -- | -- | 91+70E  | 0+00N  | S 588639 |
| 6709A | <2 | -- | -- | 50+00E  | 8+10N  | S 588699 |
| 6710A | 5  | -- | -- | 113+90E | 8+00N  | S 588713 |
| 6711A | <2 | -- | -- | 85+00E  | 99+00N | S 588665 |
| 6712A | <2 | -- | -- | 74+90E  | 28+00N | S 588663 |
| 6713A | <2 | -- | -- | 25+00E  | 0+05N  | S 588638 |
| 6714A | <2 | -- | -- | 77+60E  | 22+20N | S 588655 |
| 9596B | <2 | -- | -- | 72+20E  | 9+50N  | S 588651 |
| 9598B | <2 | -- | -- | 60+65E  | 0+05N  | S 588642 |
| 9599B | <2 | -- | -- | 87+20E  | 48+90N | S 588665 |

> - CONCENTRATION TOO HIGH FOR TREATMENT BY GEOCHEMICAL METHOD

| SAMPLE | AU PPB | Long.                                | Lat.   | Claim No. |
|--------|--------|--------------------------------------|--------|-----------|
| 4771A  | 14     | 104+00W                              | 13+00S | 5538609   |
| 4772A  | 12     | 104+00W                              | 15+50S | 5538609   |
| 4773A  | 5      | 100+20W                              | 11+50S | 5538607   |
| 4774A  | 19     | 57+00W                               | 12+00N | 5588716   |
| 6715A  | 6      | 84+90E                               | 20+05S | 5588731   |
| 6716A  | 10     | 86+50E                               | 16+15S | 5588728   |
| 6717A  | 3      | 76+90E                               | 16+05S | 5588730   |
| 6718A  | 5      | 82+00E                               | 16+90S | 5588731   |
| 6719A  | <2     | 74+50E                               | 19+40S | 5588730   |
| 6720A  | 3      | 19+70E                               | 16+70S | 5588627   |
| 6722A  | 2      | 89+00E                               | 19+70S | 5588731   |
| 6723A  | 11     | 73+50E                               | 16+15S | 5588730   |
| 6725A  | <2     | 57+00E                               | 4+25S  | 5588643   |
| 6726A  | 5      | 94+20E                               | 16+75S | 5588728   |
| 6727A  | 6      | 69+70E                               | 18+15S | 5588730   |
| 6728A  | <2     | 94+70E                               | 32+00S | 5588732   |
| 6729A  | 11     | 50+50W                               | 1+50S  | 5515497   |
| 6730A  | 3400   | 49+50W                               | 1+50S  | 5515497   |
| 6731A  | 43     | 50+90W                               | 3+75S  | 5515497   |
| 6732A  | 22     | 74+60E                               | 31+30S | 5588738   |
| 6733A  | 14     | 71+25E                               | 19+75S | 5588730   |
| 6734A  | 9      | 70+00E                               | 28+00S | 5588739   |
| 6735A  | 13     | 72+50W                               | 9+00S  | 5538605   |
| 6736A  | <2     | 72+60W                               | 9+00S  | 5538605   |
| 6737A  | 25     | 60+00W                               | 6+00S  | 5515451   |
| 6738A  | 680    | 60+00W                               | 8+00S  | 5515451   |
| 6739A  | <2     | 55+80W                               | 3+00S  | 5515451   |
| 6742A  | <2     | 72+00W                               | 22+00S | 5588616   |
| 6744A  | 3      | 78+50E                               | 39+65S | 5588738   |
| 6745A  | 4      | 89+90E                               | 28+00S | 5588731   |
| 6746A  | <2     | 49+10E                               | 19+90S | 5588641   |
| 6747A  | <2     | 90+50E                               | 48+00S | 5588736   |
| 6748A  | 3      | 60+80E                               | 8+00N  | 5588653   |
| 6749A  | 4      | 38+30E                               | 39+90S | 5588630   |
| 9000C  | <2     | D.D.H. 82-3<br>see logs for location |        |           |
| 9001C  | <2     |                                      |        |           |
| 9002C  | <2     |                                      |        |           |
| 9003C  | <2     |                                      |        |           |
| 9004C  | <2     |                                      |        |           |
| 9005C  | 3      |                                      |        |           |
| 9006C  | <2     |                                      |        |           |
| 9007C  | <2     |                                      |        |           |
| 9008C  | <2     |                                      |        |           |
| 9009C  | 2      |                                      |        |           |

App 2

D.D.H. 82-3  
see logs for location

| SAMPLE | AU PPB |
|--------|--------|
| 9010C  | 3      |
| 9011C  | 4      |
| 9012C  | 3      |
| 9013C  | 2      |
| 9014C  | 2      |
| 9015C  | <2     |
| 9016C  | 2      |
| 9017C  | 4      |
| 9018C  | <2     |
| 9019C  | <2     |
| 9020C  | 3      |
| 9021C  | 3      |
| 9022C  | 2      |
| 9023C  | 2      |
| 9024C  | 4      |
| 9025C  | 2      |
| 9026C  | 3      |
| 9027C  | <2     |
| 9028C  | 2      |
| 9029C  | 4      |
| 9030C  | 180    |
| 9031C  | <2     |
| 9032C  | 4      |
| 9033C  | <2     |
| 9034C  | <2     |
| 9035C  | <2     |
| 9036C  | 5      |
| 9037C  | 4      |
| 9038C  | 120    |
| 9039C  | 3      |
| 9040C  | 5      |
| 9041C  | <2     |
| 9042C  | <2     |
| 9043C  | <2     |
| 9044C  | 33     |
| 9045C  | 16     |
| 9046C  | 20     |
| 9047C  | 9      |
| 9048C  | 2      |
| 9049C  | 19     |
| 9050C  | 26     |
| 9051C  | 60     |
| 9052C  | 44     |
| 9053C  | 7      |
| 9054C  | 23     |
| 9055C  | 110    |
| 9056C  | 270    |
| 9057C  | 79     |
| 9058C  | 59     |
| 9059C  | 11     |
| 9060C  | 14     |
| 9061C  | 67     |
| 9062C  | 92     |
| 9063C  | 45     |
| 9064C  | 73     |

SAMPLE AU PPB<sup>1</sup>

D.D.H. 82-3  
see logs for location

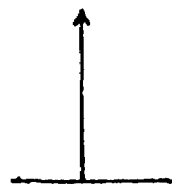
|       |    |
|-------|----|
| 9150C | 10 |
| 9151C | 23 |
| 9152C | 27 |
| 9153C | <2 |
| 9154C | 66 |
| 9155C | 18 |
| 9156C | 27 |
| 9157C | 5  |
| 9158C | 7  |
| 9159C | 2  |
| 9160C | <2 |
| 9161C | 2  |
| 9162C | 5  |
| 9163C | 5  |
| 9164C | 4  |
| 9165C | 5  |
| 9166C | 3  |
| 9167C | <2 |
| 9168C | 6  |
| 9169C | 5  |
| 9170C | 4  |
| 9171C | <2 |
| 9172C | <2 |
| 9173C | 5  |
| 9174C | 3  |
| 9175C | <2 |
| 9176C | <2 |
| 9177C | <2 |
| 9178C | <2 |
| 9179C | 3  |
| 9180C | <2 |
| 9181C | <2 |
| 9182C | 3  |
| 9183C | <2 |
| 9184C | <2 |
| 9185C | <2 |
| 9186C | <2 |
| 9187C | <2 |
| 9188C | <2 |
| 9189C | <2 |
| 9190C | <2 |
| 9191C | <2 |

D.D.H. 82-4  
see logs for location

| Long.   | Lat.   | Claim No. | SAMPLE | AU PPB |
|---------|--------|-----------|--------|--------|
| 24+00E  | 40+00N | S 588650  | 9505C  | 3      |
| 37+00E  | 40+40N | S 588658  | 9506C  | <2     |
| 7+90E   | 15+25N | S 588619  | 9507C  | <2     |
| 65+70E  | 29+00N | S 588656  | 9508C  | <2     |
| 65+00E  | 32+10N | S 588657  | 9509C  | <2     |
| 68+00E  | 30+20N | S 588656  | 9510C  | <2     |
| 20+10E  | 27+90N | S 588646  | 9511C  | <2     |
| 29+05E  | 36+35N | S 588650  | 9512C  | 3      |
| 19+35E  | 27+00N | S 588646  | 9513C  | <2     |
| 68+00E  | 31+00N | S 588656  | 9514C  | <2     |
| 35+00E  | 36+50N | S 588651  | 9515C  | 10     |
| 22+30E  | 28+00N | S 588650  | 9516C  | 2      |
| 22+50E  | 28+20N | S 588650  | 9517C  | <2     |
| 20+00E  | 32+00N | S 588650  | 9518C  | <2     |
| 61+90E  | 33+00N | S 588657  | 9519C  | 3      |
| 57+50E  | 46+90N | S 588661  | 9520C  |        |
|         |        |           |        | <2     |
| 40+75E  | 23+30N | S 588651  | 9522C  | 3      |
| 11+40E  | 10+50N | S 588619  | 9523C  | <2     |
| 11+90E  | 10+65N | S 588619  | 9524C  | 14     |
| 4+10E   | 19+90N | S 588636  | 9525C  | <2     |
| 8+05E   | 23+80N | S 588636  | 9526C  | <2     |
| 12+00E  | 42+00N | S 588649  | 9527C  | <2     |
| 11+60E  | 29+20N | S 588646  | 9528C  | <2     |
| 16+00E  | 45+00N | S 588649  | 9529C  | <2     |
| 4+40E   | 25+90N | S 588647  | 9530C  | <2     |
| 11+40E  | 10+90N | S 588619  | 9531C  | <2     |
| 68+70E  | 30+00N | S 588656  | 9532C  | <2     |
| 27+30E  | 32+20N | S 588650  | 9533C  | <2     |
| 22+40E  | 36+00N | S 588650  | 9534C  | <2     |
| 16+60E  | 23+20N | S 588646  | 9535C  | <2     |
|         |        |           |        |        |
| 16+00E  | 47+90N | S 588649  | 9537C  | <2     |
| 15+60E  | 31+25N | S 588647  | 9538C  | <2     |
| 8+00E   | 27+90N | S 588647  | 9539C  | <2     |
| 8+00E   | 14+80N | S 588619  | 9540C  | <2     |
| 27+00E  | 39+80N | S 588650  | 9541C  | <2     |
|         |        |           |        |        |
| 69+50E  | 4+00S  | S 588654  | 9543C  | <2     |
| 67+00E  | 40+15N | S 588662  | 9544C  | 3      |
| 108+65E | 39+85N | S 588709  | 9545C  | <2     |
| 59+70E  | 17+50N | S 588653  | 9546C  | 4      |
| 94+70E  | 16+20N | S 588714  | 9547C  | <2     |
| 28+10E  | 16+10N | S 588645  | 9548C  | <2     |
| 39+70E  | 16+35N | S 588645  | 9549C  | <2     |
| 86+00E  | 40+00N | S 588665  | 9550C  | 64     |
| 86+00E  | 40+00N | S 588665  | 9551C  | <2     |
| 86+30E  | 35+90N | S 588664  | 9552C  | <2     |
| 68+70E  | 16+00N | S 588656  | 9553C  | <2     |
| 86+00E  | 40+00N | S 588665  | 9554C  | 6300   |
| 80+50E  | 15+30N | S 588656  | 9555C  | 18     |
| 103+90E | 45+60N | S 588709  | 9556C  | 3      |
| 86+00E  | 40+00N | S 588665  | 9557C  | 9      |
| 4+10E   | 19+00N | S 588636  | 9558C  | <2     |
| 86+10E  | 35+60N | S 588665  | 9559C  | <2     |

| SAMPLE | AU PPB | Long.  | Lat.   | Claim No. |
|--------|--------|--------|--------|-----------|
| 9192C  | 5      |        |        |           |
| 9193C  | 16     |        |        |           |
| 9194C  | <2     |        |        |           |
| 9195C  | <2     |        |        |           |
| 9196C  | <2     |        |        |           |
| 9197C  | <2     |        |        |           |
| 9198C  | <2     |        |        |           |
| 9199C  | <2     |        |        |           |
| 9200C  | <2     |        |        |           |
| 9201C  | <2     |        |        |           |
| 9202C  | <2     |        |        |           |
| 9203C  | <2     |        |        |           |
| 9204C  | 2      |        |        |           |
| 9205C  | <2     |        |        |           |
| 9206C  | 5      |        |        |           |
| 9207C  | 2      |        |        |           |
| 9208C  | 4      |        |        |           |
| 9209C  | <2     |        |        |           |
| 9210C  | 7      |        |        |           |
| 9211C  | <2     |        |        |           |
| 9212C  | 4      |        |        |           |
| 9213C  | <2     |        |        |           |
| 9214C  | <2     |        |        |           |
| 9215C  | <2     |        |        |           |
| 9216C  | <2     |        |        |           |
| 9217C  | 2      |        |        |           |
| 9218C  | <2     |        |        |           |
| 9219C  | <2     |        |        |           |
| 9220C  | <2     |        |        |           |
| 9221C  | <2     |        |        |           |
| 9222C  | <2     |        |        |           |
| 9223C  | <2     |        |        |           |
| 9224C  | <2     |        |        |           |
| 9225C  | <2     |        |        |           |
| 9226C  | <2     |        |        |           |
| 9227C  | <2     |        |        |           |
| 9228C  | <2     |        |        |           |
| 9229C  | <2     |        |        |           |
| 9230C  | 3      |        |        |           |
| 9231C  | <2     |        |        |           |
| 9232C  | 2      |        |        |           |
| 9233C  | 2      |        |        |           |
| 9234C  | 5      |        |        |           |
| 9235C  | 3      |        |        |           |
| 9236C  | 2      |        |        |           |
| 9237C  | <2     |        |        |           |
| 9238C  | <2     |        |        |           |
| 9239C  | 6      |        |        |           |
| 9240C  | 190    |        |        |           |
| 9241C  | <2     |        |        |           |
| 9500C  | 2      | 61+90E | 32+80N | 5588657   |
| 9501C  | 2      | 65+50E | 27+50N | 5588656   |
| 9502C  | <2     | 21+10E | 44+20N | 5588649   |
| 9503C  | <2     | 57+70E | 40+50N | 5588662   |
| 9504C  | 5      | 36+00E | 27+80N | 5588651   |

↓  
D.D.H. 82-4  
see logs for location





| SAMPLE | AU PPB | Long.   | Lat.   | Claim No. |
|--------|--------|---------|--------|-----------|
| 9560C  | <2     | 93+50E  | 16+00N | 5588714   |
| 9561C  | 5      | 78+50E  | 16+10N | 5588655   |
| 9562C  | 5      | 56+10E  | 19+40N | 5588652   |
| 9563C  | 3      | 20+80E  | 20+30N | 5588696   |
| 9564C  | 3      | 58+50E  | 21+50N | 5588657   |
| 9565C  | <2     | 28+00E  | 15+65N | 5588645   |
| 9566C  | 2      | 29+20E  | 16+00N | 5588645   |
| 9569C  | 6      | 61+00E  | 21+15N | 5588656   |
| 9570C  | <2     | 105+10E | 40+00N | 5588709   |
| 9571C  | <2     | 68+70E  | 16+20N | 5588656   |
| 9572C  | <2     | 68+00E  | 20+15N | 5588656   |
| 9573C  | <2     | 68+60E  | 12+20N | 5588653   |
| 9574C  | <2     | 69+80E  | 15+95N | 5588656   |
| 9575C  | 12     | 81+10E  | 17+00N | 5588655   |
| 9576C  | <2     | 61+80E  | 19+85N | 5588656   |
| 9577C  | <2     | 80+00E  | 42+50N | 5588665   |
| 9578C  | 1600   | 86+00E  | 40+00N | 5588665   |

App 2

| Long.  | Lat.   | Claim No | SAMPLE | AU PPB <sub>1</sub> |
|--------|--------|----------|--------|---------------------|
| 44+90E | 60+00N | 5588660  | 9579C  | 16                  |
| 38+00E | 59+80N | 5588660  | 9580C  | 30                  |
| 36+00E | 60+70N | 5588660  | 9586C  | 20                  |
| 44+90E | 60+00N | 5588660  | 9587C  | 22                  |
| 36+00E | 60+00N | 5588660  | 9595C  | 13                  |

APPENDIX 3

INVOICES

App. 3

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

INVOICE 15557

REF. FILE 11194-M1

19-AUG-82

TO: DUPONT OF CANADA EXPLORATIONS LTD.

ATTN: G. HARRON

1550 ALBERNI STREET, SUITE 102

VANCOUVER, BRITISH COLUMBIA

V6G 1A5

CUSTOMER NO. 63

DATE SUBMITTED

28-JUL-82

133 S.CORES, 231 ROCKS

PROJECT: 350-00

WERE ANALYSED.

| METHOD                    | CODE        | UNIT COST | AMOUNT       |
|---------------------------|-------------|-----------|--------------|
| 364 AU                    | FADCP 10, 7 | 6.50      | 2366.00      |
| 231 PREP. ROCK            | 1, 0        | 2.50      | 577.50       |
| 133 PREP. SPLIT CORE      | 1, 0        | 2.50      | 332.50       |
|                           |             |           | -----        |
|                           |             |           | \$ 3276.00   |
| SHIPPING/DELIVERY CHARGES |             |           | 81.80        |
|                           |             |           | -----        |
|                           |             |           | \$ 3357.80 ✓ |

Assessment Credit for 220 samples, Au

|          |              |
|----------|--------------|
| DATE     | 11/1/82      |
| CHARGE   | 350-00-52-28 |
| APPROVED | G.A. Harron  |
| APPROVED |              |

PAID  
7819  
SEP 13 1982

TERMS NET 30 DAYS

1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

X-RAY ASSAY LABORATORIES LIMITED

JUL - 1982  
App 3

1885 LESLIE STREET, DON MILLS, ONTARIO

M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

INVOICE 15078

REF. FILE 10828-M4

30-JUN-82

TO: DUPONT OF CANADA EXPLORATIONS LTD  
ATTN: G. HARRON  
1550 ALBERNI ST., SUITE 102,  
VANCOUVER, B.C.  
V6G 1A5

CUSTOMER NO. 63

DATE SUBMITTED  
21-JUN-82

42 ROCKS

WERE ANALYSED.

|                           | METHOD       | CODE        | UNIT COST | AMOUNT     |
|---------------------------|--------------|-------------|-----------|------------|
| 42                        | AU           | FADCP 10, 7 | 6.50      | 273.00     |
| 7                         | NI PPM       | AA 8, 0     | 0.90      | 6.30       |
| 7                         | CU PPM       | AA 8, 0     | 0.90      | 6.30       |
| 7                         | AA DIGESTION | 8, 0        | 1.25      | 8.75       |
| 42                        | PREP. ROCK   | 1, 0        | 2.50      | 105.00     |
|                           |              |             |           | -----      |
|                           |              |             |           | \$ 399.35  |
| SHIPPING/DELIVERY CHARGES |              |             |           | 4.25       |
|                           |              |             |           | -----      |
|                           |              |             |           | \$ 403.60/ |

**INVOICE** PLEASE PAY THIS AMOUNT

*Assessment Credit for 23 Samples, Au  
7 Samples, Cu + Ni*

*350 - 00728  
G. Harron*

7219

TERMS NET 30 DAYS

1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

App. 3

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

INVOICE 13276

REF. FILE 8898-L5

10-NOV-81

TO: DUPONT OF CANADA EXPLORATIONS LTD  
ATTN: MR. G. HARRON  
1550 ALBERNI ST., SUITE 102,  
VANCOUVER, B.C.  
V6G 1A5

CUSTOMER NO. 63

DATE SUBMITTED  
2-OCT-81

132 ROCKS RE LUKE LAKE LTD.  
WERE ANALYSED.

|     | METHOD      | CODE  | UNIT COST | AMOUNT |            |
|-----|-------------|-------|-----------|--------|------------|
| 132 | AS PPM      | NA    | 14.0      | 1.00   | 132.00     |
| 132 | IRRADIATION |       | 14.0      | 5.00   | 660.00     |
|     |             |       |           |        | -----      |
|     |             |       |           |        | \$ 792.00  |
| 132 | AU          | FADCP | 10.7      | 6.00   | 792.00     |
| 132 | PREP. ROCK  |       | 1.0       | 2.00   | 264.00     |
|     |             |       |           |        | -----      |
|     |             |       |           |        | \$ 1848.00 |

Assessment Credit for 96 samples, Au + As

-----  
PLEASE RETURN WITH PAYMENT

X-RAY ASSAY LABORATORIES LIMITED

App. 3

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

INVOICE 12700

REF. FILE 8280-L3

24-SEP-81

TO: DUPONT OF CANADA EXPLORATIONS LTD  
 ATTN: MR. G. HARRON  
 1550 ALBERNI ST., SUITE 102,  
 VANCOUVER, B.C.  
 V6G 1A5

CUSTOMER NO. 63

DATE SUBMITTED  
 12-AUG-81

92 SAMPLES RE LUKE LAKE LTD.  
 WERE ANALYSED.

|    | METHOD             | CODE        | UNIT COST | AMOUNT      |
|----|--------------------|-------------|-----------|-------------|
| 92 | AU                 | FADCP 10, 7 | 6.00      | 552.00      |
| 39 | PREP. ROCK         | 1, 0        | 2.00      | 78.00       |
| 53 | PREP. SAND DR TILL | 1, 0        | 1.50      | 79.50       |
|    |                    |             |           | \$ 709.50   |
|    |                    |             |           | \$ 709.50 ✓ |

**INVOICE** PLEASE PAY THIS AMOUNT

SEP 23 1981  
 350-10-500-28  
 D.A. Harris

PAID  
 P.O.X.  
 DISBURSEMENT  
 ACCOUNT  
 CK. No. 4930

OCT 5 1981

Assessment Credit for 6 samples, Au

TERMS NET 30 DAYS

1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS

App. 3

X-RAY ASSAY LABORATORIES LIMITED

1985 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-966947

INVOICE 12277

REF. FILE 7997-04

21-AUG-81

TO: DUPONT OF CANADA EXPLORATIONS LTD  
1530 ALBERNI ST., SUITE 102,  
VANCOUVER, B.C.  
V6G 1A5

CUSTOMER NO. 63

DATE SUBMITTED  
23-JUL-81

6 ROCKS RE LUKE LAKE LTD.

WERE ANALYSED.

|   |             | METHOD | CODE  | UNIT COST | AMOUNT   |
|---|-------------|--------|-------|-----------|----------|
| 6 | AS PPM      | NA     | 14, 0 | 1.00      | 6.00     |
| 0 | IRRADIATION |        | 14, 0 | 3.00      | 30.00    |
|   |             |        |       |           | -----    |
| 6 | AU          | FADCP  | 10, 7 | 6.00      | 36.00    |
| 6 | PREP. ROCK  |        | 1, 0  | 2.00      | 12.00    |
|   |             |        |       |           | -----    |
|   |             |        |       |           | \$ 84.00 |
|   |             |        |       |           | -----    |
|   |             |        |       |           | \$ 84.00 |

Assessment Credit for 4 samples, Au + As ✓

INVOICE PLEASE PAY THIS AMOUNT

|          |                    |
|----------|--------------------|
| DATE     | AUG 27 1981        |
| CHARGE   | 350-00-500-28      |
| APPROVED | <i>S.A. Herson</i> |
| APPROVED |                    |

DISCOUNT  
CR. No. 5555  
SEP 1 1981

TERMS NET 30 DAYS

1.5% PER MONTH INTEREST ON ACCOUNT OVER 30 DAYS



FIGURE 1

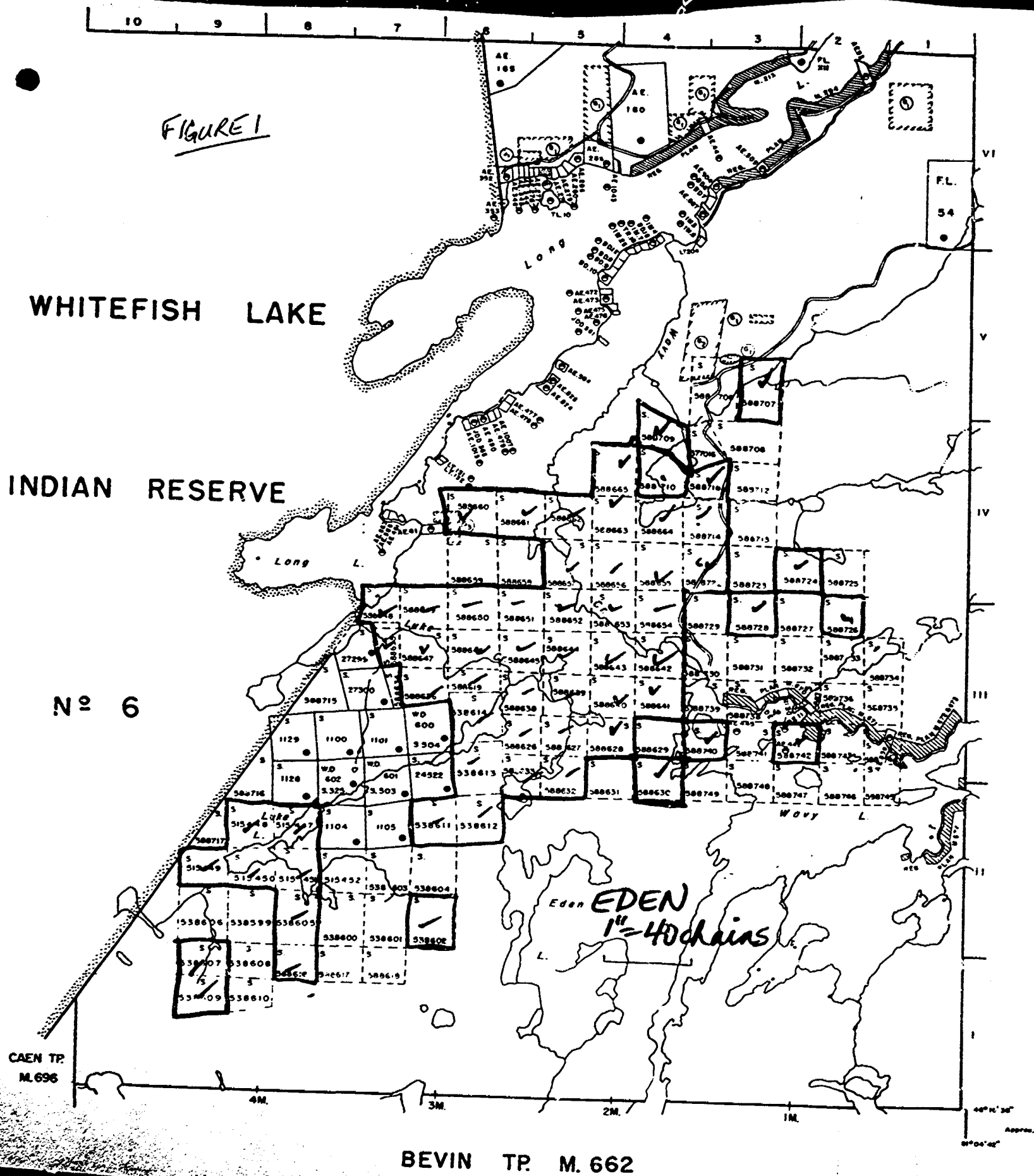
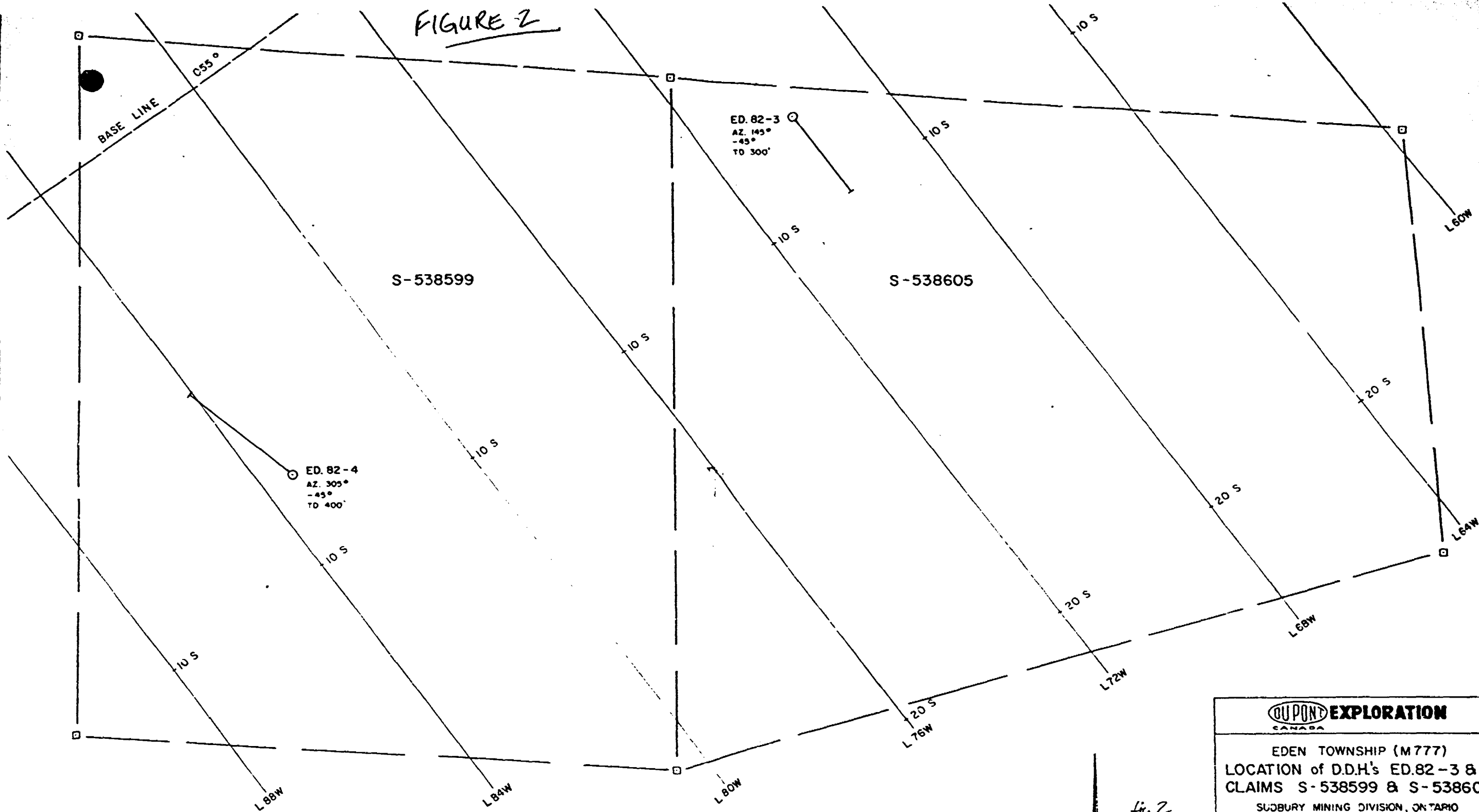


FIGURE 2



LEGEND

- DIAMOND DRILL HOLE
- CLAIM POST & BOUNDARY
- SURVEY GRID

|   |           |                    |
|---|-----------|--------------------|
| <b>DU PONT</b><br>CANADA <b>EXPLORATION</b>   |           |                    |
| EDEN TOWNSHIP (M777)<br>LOCATION of D.D.H's ED.82-3 & 4<br>CLAIMS S-538599 & S-538605<br>SUDBURY MINING DIVISION, ONTARIO |           |                    |
|   |           |                    |
| DATA BY : G.A.H.  | REVISED : | N.T.S. No. 4162    |
| DATE : 83.03.28   | .....     | ACCT No. 350-00    |
| DRAWN BY : C.L.S.   | .....     | DRWS. No. ED. 83-1 |
| DATE : 83.03.28   | .....     |                    |

*fig 2.*

*DA Herron May 24 1984*



41106SE0009 0020 EDEN

900



Ministry of Natural Resources Ontario

Report of Work (Geophysical, Geological, Geochemical and Expenditures)

2-5782

The Mining Act

Instructions: - Please type or print. - If number of mining claims traversed exceeds space on this form, attach a list. Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns. - Do not use shaded areas below.

FILE S-538613

Type of Survey: Expenditure - Geochemical  
 Claim Holder(s): Luke Lake Ltd.  
 Address: Box 14, R.R.#1, Lively, Ontario POM 2E0  
 Survey Company: Du Pont of Canada Exploration Limited  
 Name and Address of Author of Geo. Technical report: Mr. G.A. Harron #102-1550 Alberni Street, Vancouver, BC V6G 1A5  
 Township or Area: Eden Twp. (M.777)  
 Prospector's Licence No.: T 992  
 Date of Survey (from & to): 01 07 81 to 05 10 82  
 Day Mo Yr Day Mo Yr

Special Provisions: Enter 40 days. This includes line cutting. For each additional survey using the same grid: Enter 20 days for each.  
 Days per Claim: 40  
 Days per Section: 20  
 Note: Special provisions apply to all surveys.

| Mining Claims Traversed (List in numerical sequence) |          | Expenditures |         |
|--|----------|--------------|---------|
| Prefix   | Number   | Days Cr.     | Expend. |
|  | S-538613 | 11           |         |
|  | S-588664 | 10           |         |
|  | S-588710 | 10           |         |

Reports Attached

RECEIVED

SUDBURY MINING DIV. RECEIVED AUG 23 1983

TOTAL CREDITS = 243.76 days  
CREDITS APPLIED (483-69) = 31  
BALANCE REMAINING = 212.76

Expenditures (excludes cover stripping):  
 Type of Work Performed: Geochemical Analyses  
 Listed on back of form.  
 Calculation of Expenditure Days Credits:  
 Total Expenditures: \$ 3,656.35 + 15 = Total Days Credits: 243.76

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.  
 Date: AUG 23 1983  
 Recorder/Holder of Report Signature: [Signature]

For Office Use Only  
 Total Days Cr. Recorded: 31  
 Date Recorded: AUG 29 1983  
 Mining Recorder: [Signature]

Certification Verifying Report of Work: I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.  
 Name and Postal Address of Person Certifying: Mr. G.A. Harron - Du Pont of Canada Exploration Limited; #102-1550 Alberni Street Vancouver, BC V6G 1A5  
 Date Certified: 1983 July 18  
 Certified by: G.A. Harron

### Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line cutting days. Technical days include work performed by consultants, draftsmen, etc..

|                      |   |                      |   |                        |   |                      |
|----------------------|---|----------------------|---|------------------------|---|----------------------|
| Type of Survey       |   |                      |   |                        |   |                      |
| Technical Days       | X | 7                    | = | Technical Days Credits | + | Line cutting Days    |
| <input type="text"/> |   | <input type="text"/> |   | <input type="text"/>   |   | <input type="text"/> |
|                      |   |                      | = | Total Credits          | + | No. of Claims        |
|                      |   |                      |   | <input type="text"/>   |   | <input type="text"/> |
|                      |   |                      | = | Days per Claim         |   |                      |
|                      |   |                      |   | <input type="text"/>   |   |                      |

|                      |   |                      |   |                        |   |                      |
|----------------------|---|----------------------|---|------------------------|---|----------------------|
| Type of Survey       |   |                      |   |                        |   |                      |
| Technical Days       | X | 7                    | = | Technical Days Credits | + | Line cutting Days    |
| <input type="text"/> |   | <input type="text"/> |   | <input type="text"/>   |   | <input type="text"/> |
|                      |   |                      | = | Total Credits          | + | No. of Claims        |
|                      |   |                      |   | <input type="text"/>   |   | <input type="text"/> |
|                      |   |                      | = | Days per Claim         |   |                      |
|                      |   |                      |   | <input type="text"/>   |   |                      |

|                      |   |                      |   |                        |   |                      |
|----------------------|---|----------------------|---|------------------------|---|----------------------|
| Type of Survey       |   |                      |   |                        |   |                      |
| Technical Days       | X | 7                    | = | Technical Days Credits | + | Line cutting Days    |
| <input type="text"/> |   | <input type="text"/> |   | <input type="text"/>   |   | <input type="text"/> |
|                      |   |                      | = | Total Credits          | + | No. of Claims        |
|                      |   |                      |   | <input type="text"/>   |   | <input type="text"/> |
|                      |   |                      | = | Days per Claim         |   |                      |
|                      |   |                      |   | <input type="text"/>   |   |                      |

|                      |   |                      |   |                        |   |                      |
|----------------------|---|----------------------|---|------------------------|---|----------------------|
| Type of Survey       |   |                      |   |                        |   |                      |
| Technical Days       | X | 7                    | = | Technical Days Credits | + | Line cutting Days    |
| <input type="text"/> |   | <input type="text"/> |   | <input type="text"/>   |   | <input type="text"/> |
|                      |   |                      | = | Total Credits          | + | No. of Claims        |
|                      |   |                      |   | <input type="text"/>   |   | <input type="text"/> |
|                      |   |                      | = | Days per Claim         |   |                      |
|                      |   |                      |   | <input type="text"/>   |   |                      |

**Work performed on claims:**

- S515447, 451, incl.
- S538602, 605, 607, 609, 611-614, 632, 633, incl.
- S588616, 619, 627, 628, 630, 635, 636, 638, 639-657, 660-665, incl.
- S588707-709, 711-714, 717, 722-724, 726, 728-740.
- S630742.

RECEIVED

MAY 1 1981

MINING LANDS SECTION

S 538613

2.5782

1983 09 02

Mr. V.C. Miller  
Mining Recorder  
Ministry of Natural Resources  
199 Larch Street  
Sudbury, Ontario  
P3E 5P9

Dear Sir:

We have received data for Assaying submitted under Section 77(19) of the Mining Act R.S.O. 1980 for mining claims S 538613, S 588664 and S 588710 in the Township of Eden.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: (416)965-1380

A. Barr:mc

cc: Luke Lake Ltd  
Box 14  
R.R.#1  
Lively, Ontario  
POM 2E0

April 24, 1984

Our File: 2.5782

Luke Lake Ltd  
Box 14  
R.R.#1  
Lively, Ontario  
POM 2E0

Dear Sir:

RE: Data for Assaying submitted under Section 77(19)  
of the Mining Act on Mining Claims S 538613 et al  
in the Township of Eden

---

Returned herein are the plans for the above-described survey.  
Please have the author of the report sign and date each map  
and return them to this office quoting file 2.5782.

For further information, please contact Mr. F.W. Matthews  
at (416)965-6918.

Yours sincerely,

S.E. Yundt  
Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: (416)965-6918

S. Hurst:mc

cc: Mining Recorder  
Sudbury, Ontario

Encl.

REGISTERED

1984 06 21

File: 2.5782

Luke Lake Limited  
Box 14  
R.R. #1  
Lively, Ontario  
POM 2E0

Dear Sir:

RE: Data for Assaying submitted on Mining Claims  
S538613 et al in the Township of Eden.

---

Enclosed is a copy of our letter dated April 24, 1984  
requesting additional information for the above-described  
survey.

Unless you can provide the required data by July 3, 1984,  
the mining recorder will be directed to cancel the  
work credits recorded on August 29, 1984.

For further information, please contact Mr. Ray  
Pichette at (416)965-4888.

Yours sincerely,

S.E. Yundt  
Director  
Land Management Branch

Whitney Block, Room 6643  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: (416)965-1380

S. Hurst:sc

cc: Mining Recorder  
Sudbury, Ontario

Encl.



Geotechnical Report Approval

File 2.5782

Mining Lands Comments

Empty lined area for Mining Lands Comments

To: Geophysics

Comments area for Geophysics

Approved Wish to see again with corrections

Date

Signature

To: Geology - Expenditures Mr. Kusta

Comments area for Geology - Expenditures

Approved Wish to see again with corrections

Date

Signature

Oct. 24/83

Kusta

To: Geochemistry Mr. Fortescue

Comments area for Geochemistry with handwritten text: No geochemical data plotted L.D.

Approved Wish to see again with corrections

Date

Signature

12/10/83

JAC Fortescue

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)



••

FOR ADDITIONAL

INFORMATION

SEE MAPS:

EDEN-0020 #1-6



GEOLOGIC SURVEY  
 LEGEND ON SHEET 3  
 APPENDIX A  
 1 3 5  
 2 4 6

TOPOGRAPHY  
 LAKE  
 FLOOD BEARING FLOOD  
 CREEK  
 SWAMP

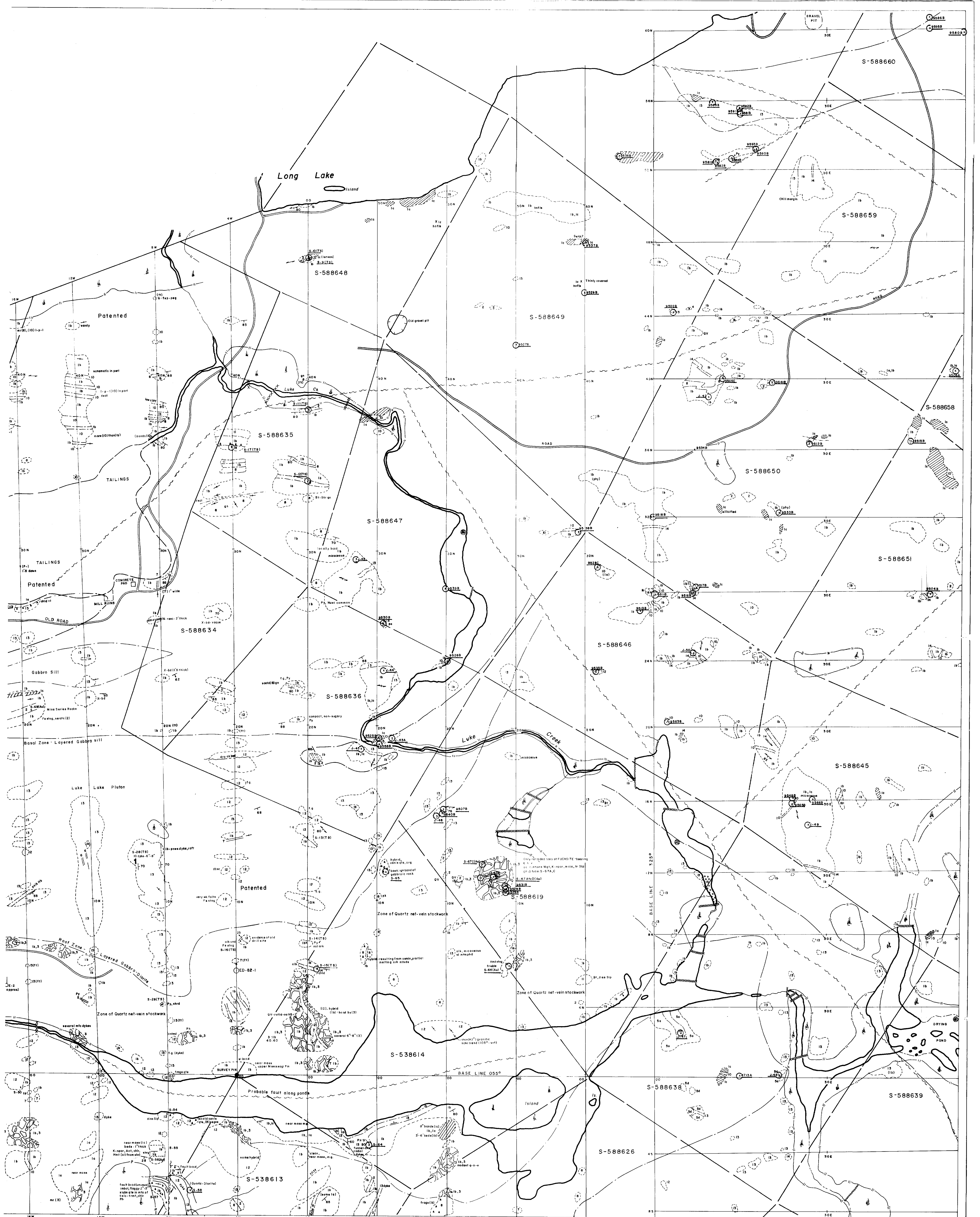
DUPONT OF CANADA EXPLORATION, LTD.  
 LUKE LAKE, LIMITED OPTION  
 EDEN TOWNSHIP (M-777)  
 SUDBURY MINING DIVISION  
 DISTRICT OF SUDBURY  
 ONTARIO

EDEN-0020 #1

SCALE 1:50,000  
 1 INCH = 200 FEET





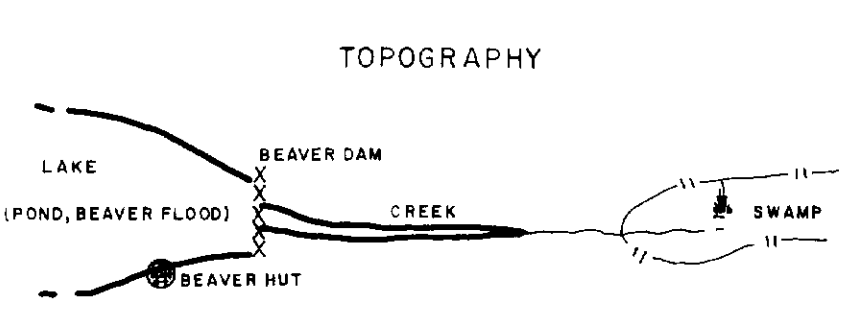
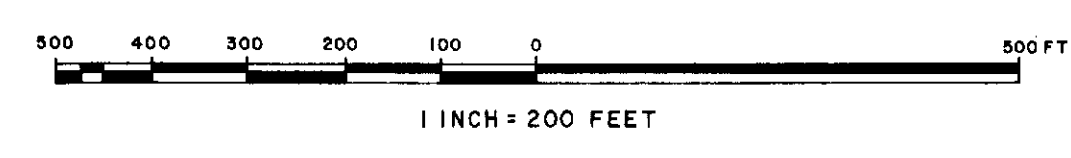


**SYMBOLS**

ed - inferred  
 1 - dip known  
 2 - dip known  
 3 - moderate  
 4 - shallow  
 5 - unknown  
 6 - 40  
 7 - 30  
 8 - 20  
 9 - 10  
 10 - 0

**DUPONT OF CANADA EXPLORATION, LTD.**  
 LUKE LAKE, LIMITED OPTION  
 EDEN TOWNSHIP (M-777)  
 SUDBURY MINING DIVISION  
 DISTRICT OF SUDBURY  
 ONTARIO

**EDEN-0020 #3**

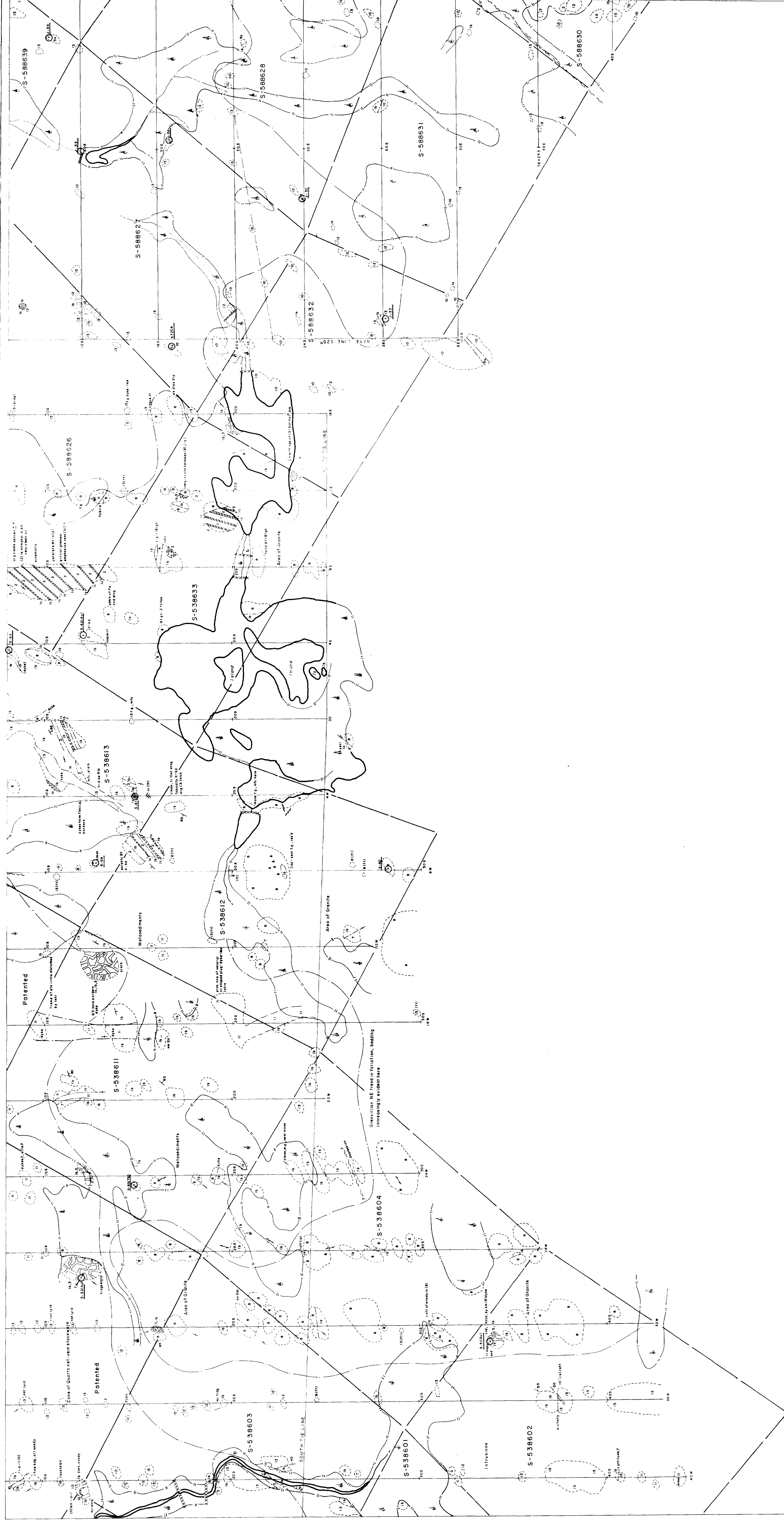


**GEOLOGIC SURVEY**



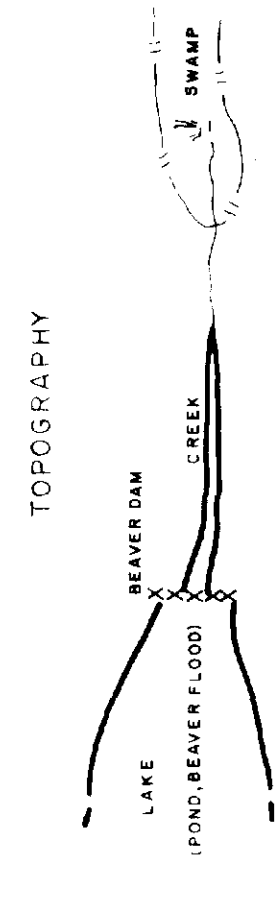
1981 SURVEY 1982 SURVEY

|   |   |   |
|---|---|---|
| 1 | 3 | 5 |
| 2 |   | 6 |



*S.A. Harrison May 24, 1982*

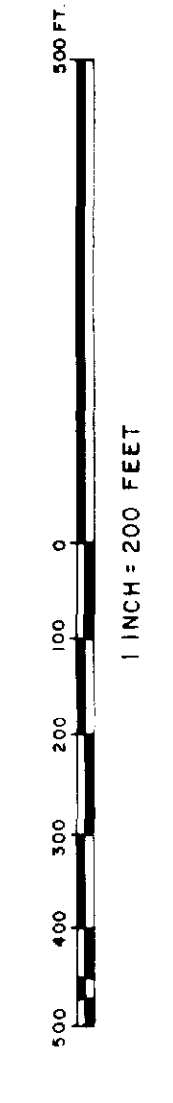
**GEOLOGIC SURVEY**  
LEGEND ON SHEET 3



TOPOGRAPHY

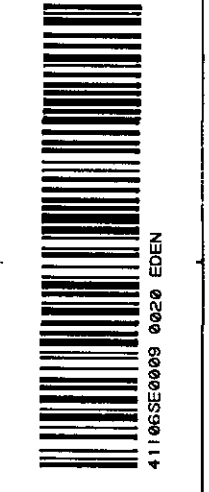
**DUPONT OF CANADA EXPLORATION, LTD.**  
LUKE LAKE, LIMITED OPTION  
EDEN TOWNSHIP (M-777)  
SUDBURY MINING DIVISION  
DISTRICT OF SUDBURY  
ONTARIO

**EDEN - 0020 # 4**

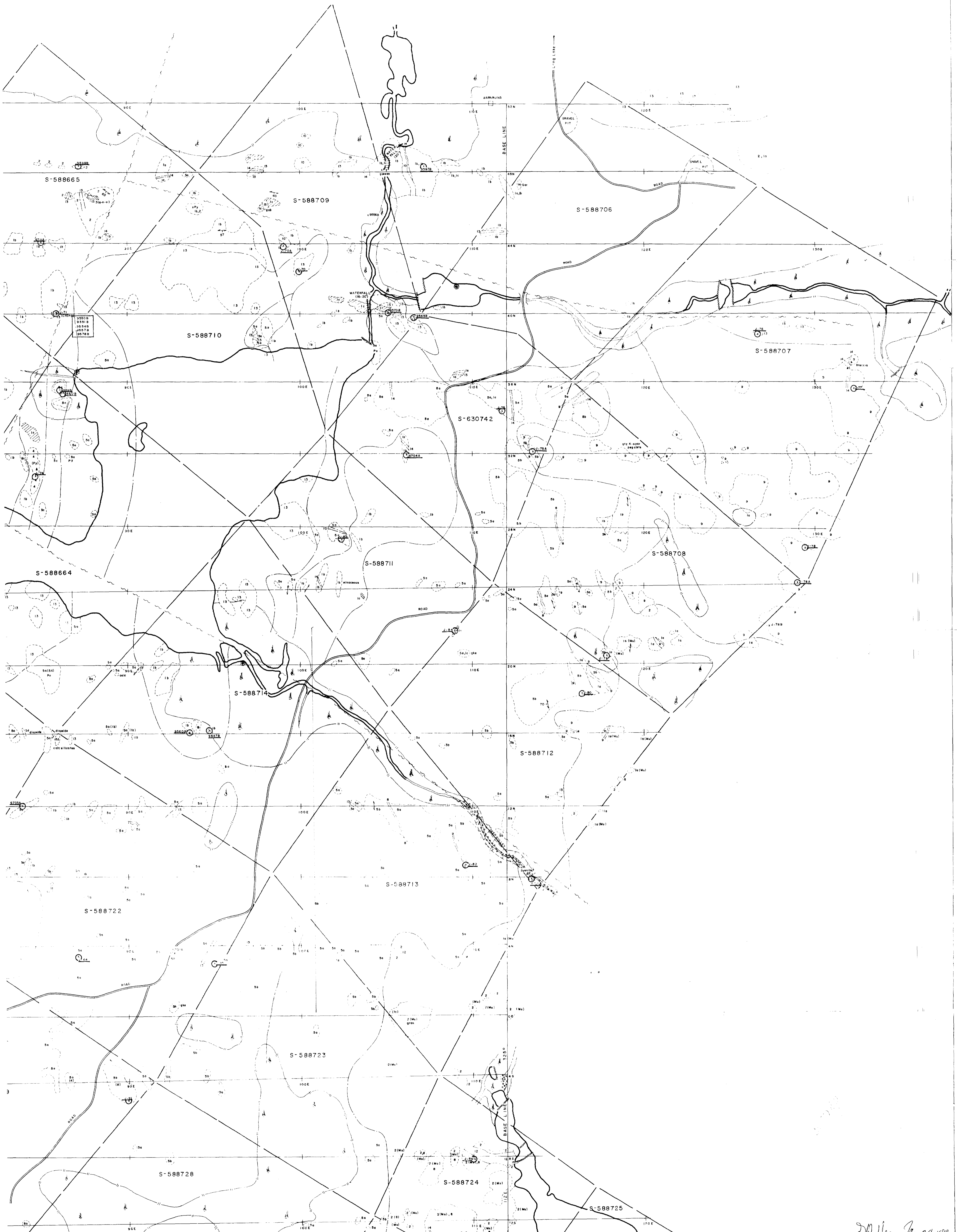


|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
|   |   |   |   |   |   |

1981 SURVEY 1982 SURVEY  
MURRAY I. JONES - SEPT 30, 1982  
D.C.P. J. WOSNATY - AUG 15, 1981

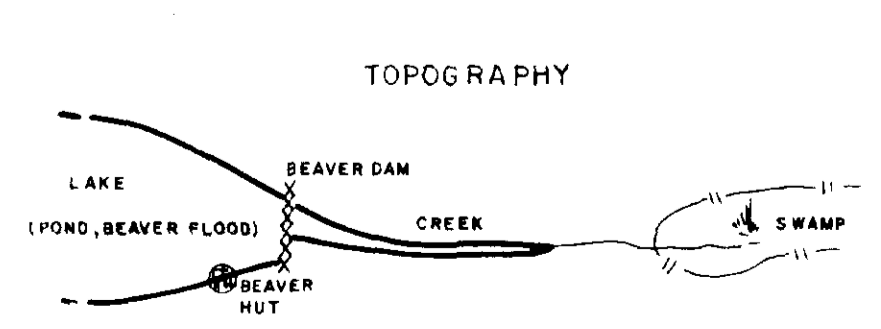
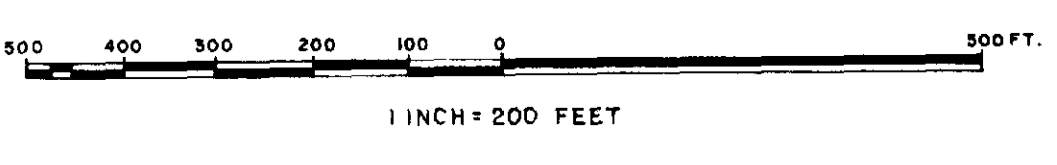






*DA Harris May 24 1984*

IT OF CANADA EXPLORATION, LTD.  
 LUKE LAKE, LIMITED OPTION  
 EDEN TOWNSHIP (M-777)  
 SUDBURY MINING DIVISION  
 DISTRICT OF SUDBURY  
 ONTARIO



GEOLOGIC SURVEY  
 LEGEND ON SHEET 3

**EDEN-0020 #5**

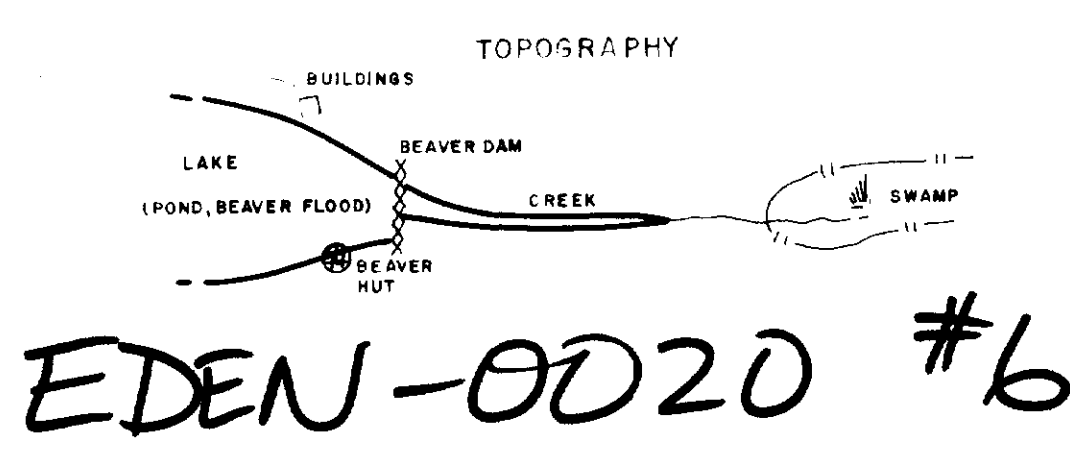
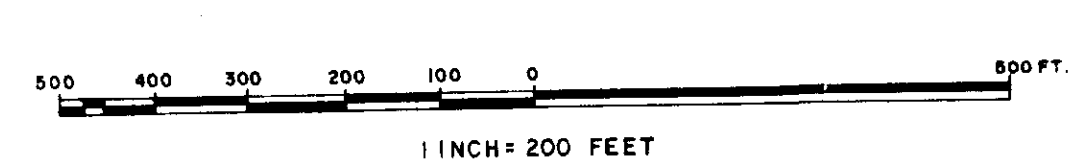
1981 SURVEY 1982 SURVEY  

|   |   |   |
|---|---|---|
| 1 | 3 | 5 |
| 2 | 4 | 6 |

MURRAY I. JONES - SEPT 30, 1982

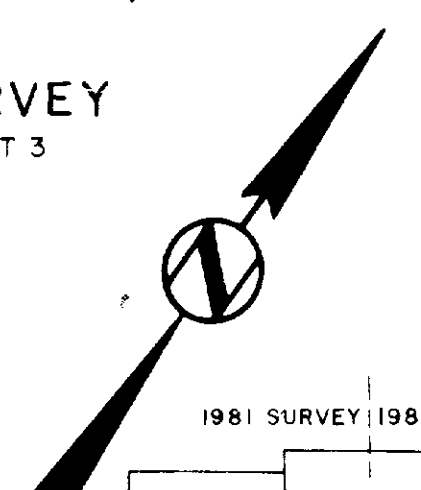


DUPONT OF CANADA EXPLORATION, LTD.  
 LUKE LAKE, LIMITED OPTION  
 EDEN TOWNSHIP (M-777)  
 SUDBURY MINING DIVISION  
 DISTRICT OF SUDBURY  
 ONTARIO



EDEN-0020 #6

GEOLOGIC SURVEY  
 LEGEND ON SHEET 3



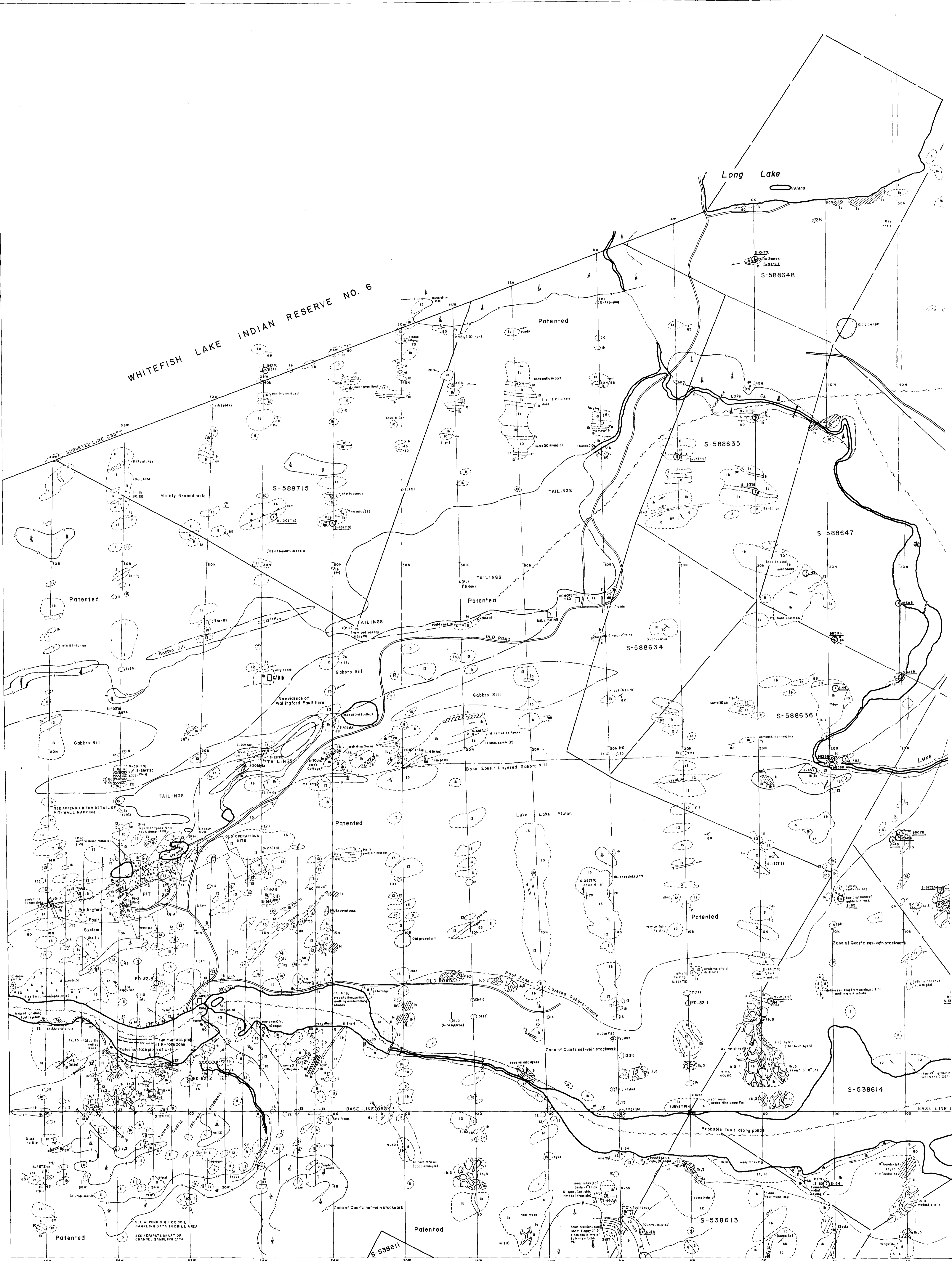
1981 SURVEY 1982 SURVEY

|   |   |   |
|---|---|---|
| 1 | 3 | 5 |
| 2 | 4 | 6 |

MURRAY J. JONES - SEPT 30, 1982  
 DAVID J. MOSSMAN - AUG 10, 1981

*D.A. Herron May 29 1984*





WHITEFISH LAKE INDIAN RESERVE NO. 6

Long Lake

LITHOLOGY

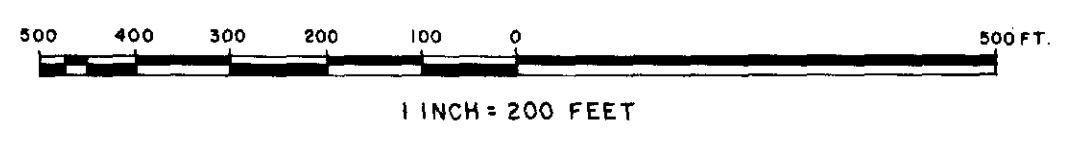
|    |  |
|----|--|
| 1a | (1a) Massive                                   |
| 1b | QUARTZITE (1b) Slightly micaceous, feldspathic |
| 1c | (1c) Argillaceous, biotitic                    |
| 2  | ARKOSE   |
| 3  | QUARTZ (massive), Quartz stockwork             |
| 4  | PROTOKONGLOMERATE - quartz pebble              |
| 5a | METAGREYWACKE                                  |
| 5b | metagreywacke, schist-breccia                  |
| 5c | limestone, marble                              |
| 5d | skarn  |

|    |  |
|----|--|
| 6  | INTRUSIVES                                   |
| 7  | APLITE Dyke                                  |
| 8  | DIABASE                                      |
| 9  | GRANITE                                      |
| 10 | MONZONITE - quartz-monzonite, quartz-diorite |
| 11 | TRONDHJEMITE                                 |
| 12 | GRANDIORITE                                  |
| 13 | DIORITE, quartz-diorite                      |
| 14 | HORNBLende GABBRIO                           |
| 15 | LATE MAFIC DYKES                             |

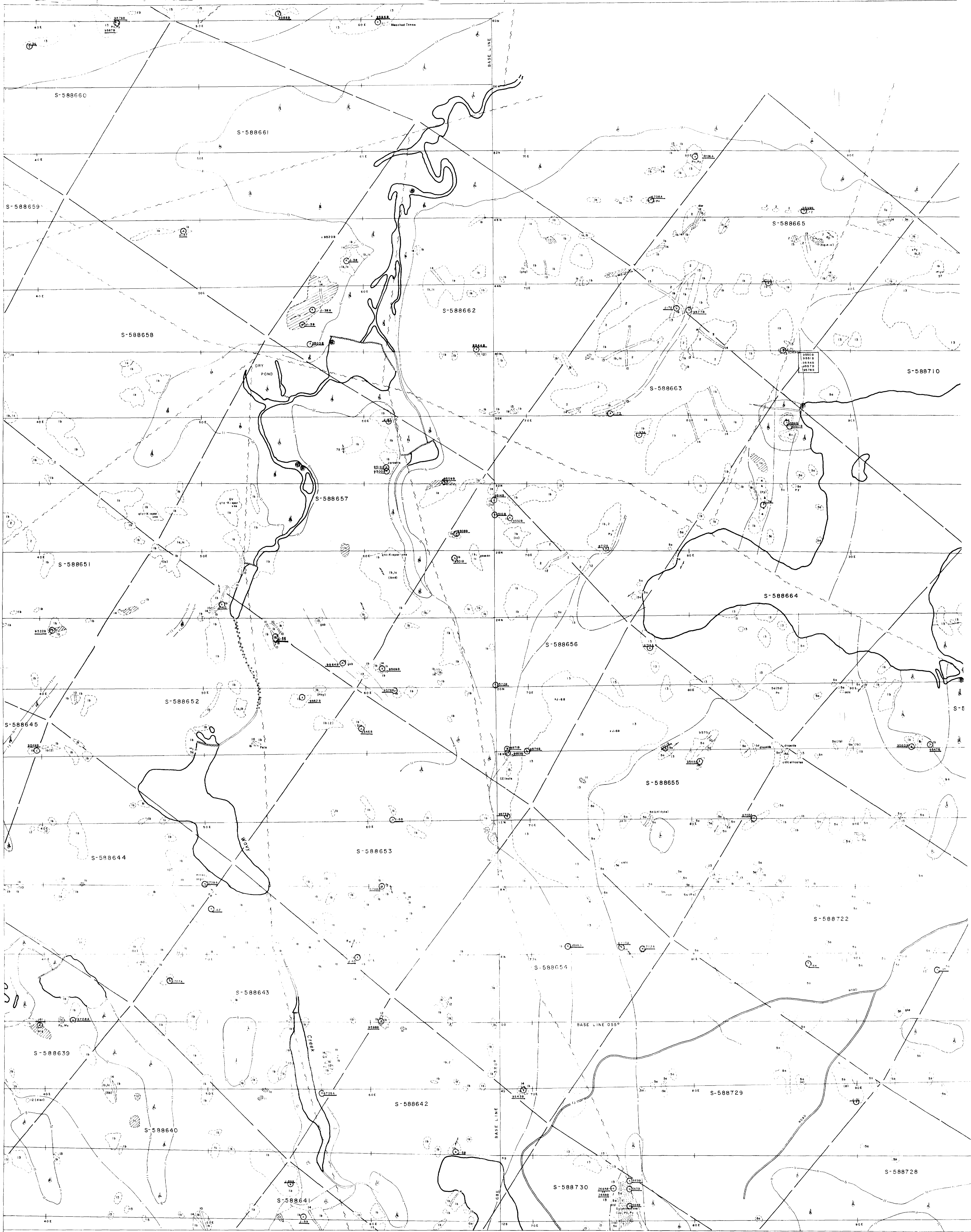
SYMBOLS

|   |   |
|---|---|
| OUTCROP                                     | —   |
| GEOLOGIC CONTACTS                           | — observed — inferred   |
| ATTITUDE OF BEDDING                         | — vertical — dip known — steep — moderate — shallow — unknown   |
| BEDDING WITH YOUNGING DIRECTION             | —>  |
| ATTITUDE OF FOLIATION                       | — horizontal — vertical — dip known   |
| FOLD AXIS AND PLUNGE                        | — 50°   |
| JOINTS                                      | — inclined — vertical   |
| GLACIAL STRAITS                             | —   |
| FAULT                                       | — observed — inferred   |
| RECCIA (fragments, sandstone, conglomerate) | —   |
| DIAMOND DRILL SITE                          | —   |
| TRENCH (old work)                           | —   |
| CHANNEL (current work)                      | —   |
| FIELD SAMPLE SITE                           | — (1981) — (1982) — (1983) — (1984) — (1985) — (1986) — (1987) — (1988) — (1989) — (1990) — (1991) — (1992) — (1993) — (1994) — (1995) — (1996) — (1997) — (1998) — (1999) — (2000) — (2001) — (2002) — (2003) — (2004) — (2005) — (2006) — (2007) — (2008) — (2009) — (2010) — (2011) — (2012) — (2013) — (2014) — (2015) — (2016) — (2017) — (2018) — (2019) — (2020) |
| SAMPLE GOLD-PANNED                          | — (P) — (N) — (S) — (E) — (W) — (SE) — (SW) — (NE) — (NW) — (SSE) — (SSW) — (NNE) — (NNW) — (SSE) — (SSW) — (NNE) — (NNW) — (SSE) — (SSW) — (NNE) — (NNW)   |
| FEATURE PHOTOGRAPHED                        | — (P) — (N) — (S) — (E) — (W) — (SE) — (SW) — (NE) — (NW) — (SSE) — (SSW) — (NNE) — (NNW) — (SSE) — (SSW) — (NNE) — (NNW)   |
| ROADS                                       | —   |
| FIELD SAMPLE SITE (1982)                    | — (1982) — (1983) — (1984) — (1985) — (1986) — (1987) — (1988) — (1989) — (1990) — (1991) — (1992) — (1993) — (1994) — (1995) — (1996) — (1997) — (1998) — (1999) — (2000) — (2001) — (2002) — (2003) — (2004) — (2005) — (2006) — (2007) — (2008) — (2009) — (2010) — (2011) — (2012) — (2013) — (2014) — (2015) — (2016) — (2017) — (2018) — (2019) — (2020)          |
| ASSAY SAMPLE NUMBER                         | — 67498   |

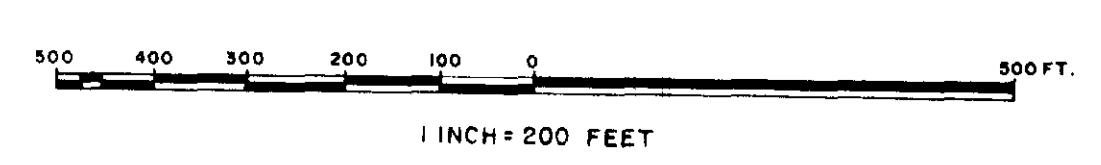
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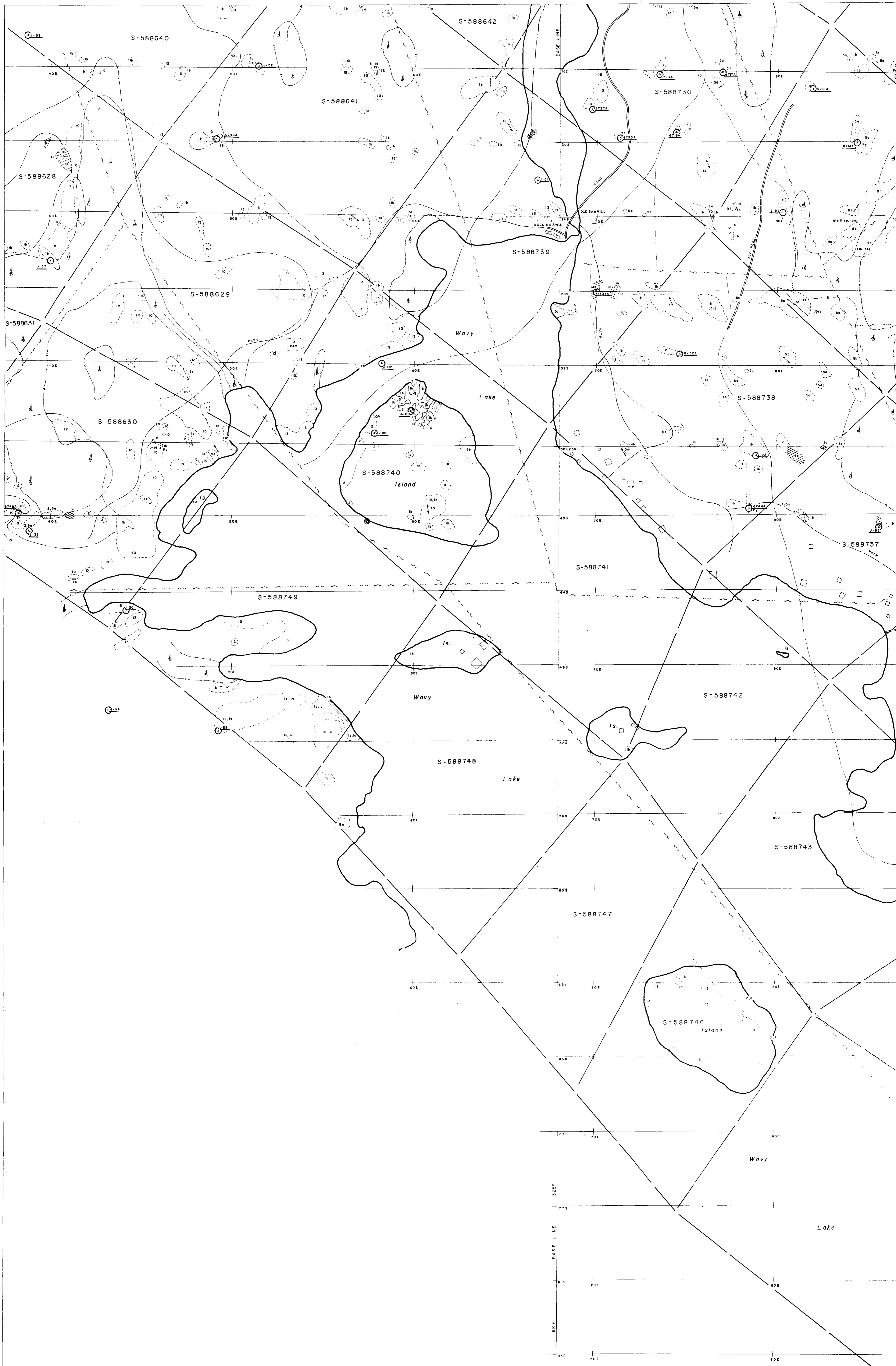






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