



42H08NW0039 2.11676 BRAGG

010

**CORDIALE RESOURCES INC.
BRAGG-NEWMAN PROPERTY
BRAGG AND NEWMAN TOWNSHIPS, ONTARIO**

**REVERSE CIRCULATION OVERBURDEN DRILLING
AND HEAVY MINERAL GEOCHEMICAL SAMPLING**

RECEIVED

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PREPARED BY:

MINING LANDS SECTION

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OVERBURDEN DRILLING MANAGEMENT LIMITED

JUNE, 1988

2.0

INTRODUCTION

2.1

Project Outline

From February 14 to 20, 1988, Cordiale Resources Inc. ("Cordiale") conducted a 19 hole reverse circulation drilling program for the purpose of heavy mineral geochemical sampling of Quaternary overburden and chip sampling of the Precambrian bedrock subcrop on its Bragg-Newman mineral property in the Burntbush - Casa-Berardi region on the northwestern edge of the Abitibi Greenstone Belt in northeastern Ontario. The property is 70 km northeast of the town of Cochrane, 65 km south of Placer-Dome's Detour gold mine, 25 km west of the Newmont-Golden Shield gold occurrences in Noseworthy and Hoblitzell Townships, and 75 km west of the three Golden Pond gold deposits that Inco and Golden Knight are developing for production in Casa-Berardi Township, Quebec (Figs. 1, 2).

The principal objectives of the drilling program were to test the overburden-covered property for glacially dispersed mineralization indicative of subcropping shear-hosted gold deposits of the Golden Pond type and to delineate zones of intense bedrock deformation and/or alteration that could host deposits at depth or along strike. The program was of reconnaissance scale with an emphasis on positioning holes close to or on favourable geological and/or geophysical targets.

Cordiale contracted Heath and Sherwood Drilling (1986) Inc. ("Heath and Sherwood") of Kirkland Lake, Ontario to perform the drilling and Overburden Drilling Management Limited ("ODM") of Nepean, Ontario to manage the program. Geologists S. Averill and D. Holmes of ODM prepared the hole layout in consultation with G. Prior of Norwin Resources Inc., representative of Cordiale. Geologists I. Poliquin and K. Day together with geotechnician H. Eder spotted, logged (Appendix A) and sampled the drill holes and supervised the drilling and road preparation.

Twenty-four drill holes were proposed but due to budget considerations only nineteen holes were drilled, all of which penetrated the entire overburden section and were extended approximately 1.5 metres into bedrock. In total, 176 overburden and 19 bedrock samples were collected (Table 1).

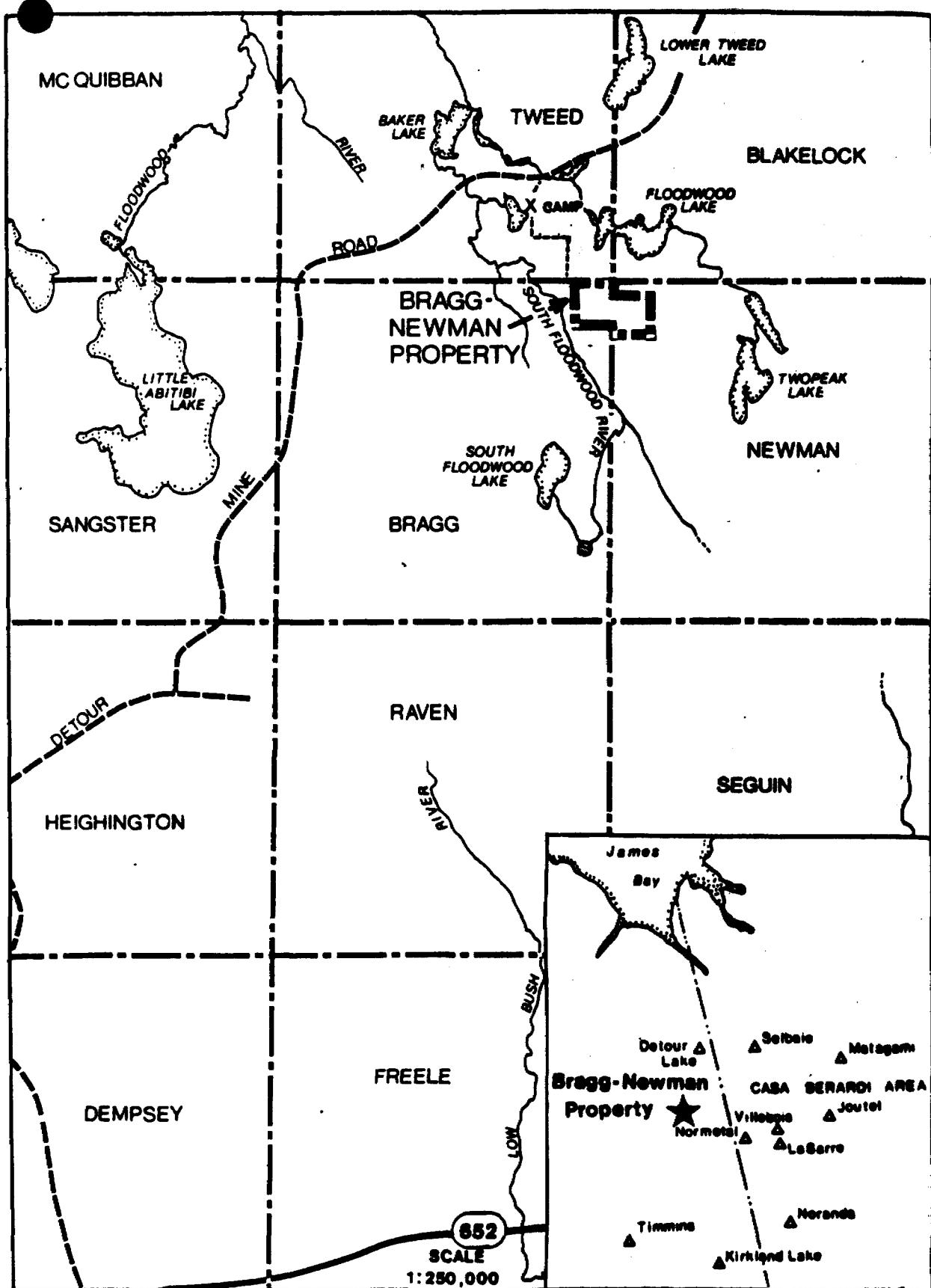


Figure 1 - Bragg-Newman Property Location

| Hole Number | Grid Co-ordinates | Metres Drilled | | Hole Depth (metres) | Samples Collected | |
|-------------|-------------------|----------------|---------|---------------------|-------------------|---------|
| | | Overburden | Bedrock | | Overburden | Bedrock |
| CBN-88- 01 | 3+00E; 25+75N | 30.2 | 1.3 | 31.5 | 16 | 1 |
| 02 | 1+00E; 20+25N | 42.0 | 1.5 | 43.5 | 17 | 1 |
| 03 | 5+00E; 20+00N | 35.6 | 1.4 | 37.0 | 16 | 1 |
| 04 | 10+00E; 23+25N | 12.6 | 1.6 | 14.2 | 2 | 1 |
| 05 | 12+00E; 18+25N | 27.8 | 1.7 | 29.5 | 10 | 1 |
| 06 | 9+00E; 15+50N | 34.5 | 2.0 | 36.5 | 12 | 1 |
| 07 | 2+00E; 11+50N | 14.5 | 1.5 | 16.0 | 2 | 1 |
| 08 | 2+00E; 6+25N | 11.2 | 1.4 | 12.6 | 2 | 1 |
| 09 | 6+00E; 7+25N | 11.8 | 1.4 | 13.2 | 7 | 1 |
| 10 | 11+00E; 6+75N | 10.0 | 1.5 | 11.5 | 4 | 1 |
| 11 | 14+00E; 8+25N | 6.0 | 1.5 | 7.5 | 2 | 1 |
| 12 | 14+00E; 4+50N | 3.0 | 1.5 | 4.5 | 2 | 1 |
| 13 | 14+00E; 11+50N | 21.0 | 1.5 | 22.5 | 4 | 1 |
| 14 | 16+00E; 14+50N | 29.5 | 1.5 | 31.0 | 16 | 1 |
| 15 | 17+00E; 6+50N | 36.6 | 1.6 | 38.2 | 11 | 1 |
| 16 | 17+00E; 0+00 | 19.5 | 1.5 | 21.0 | 11 | 1 |
| 17 | 20+00E; 14+00N | 34.2 | 2.3 | 36.5 | 15 | 1 |
| 18 | 21+00E; 6+50N | 38.6 | 1.4 | 40.0 | 24 | 1 |
| 19 | 23+00E; 10+00N | 23.0 | 1.5 | 24.5 | 3 | 1 |
| | | 441.6 | 29.6 | 471.2 | 176 | 19 |

Table 1 - Drilling and Sampling Statistics

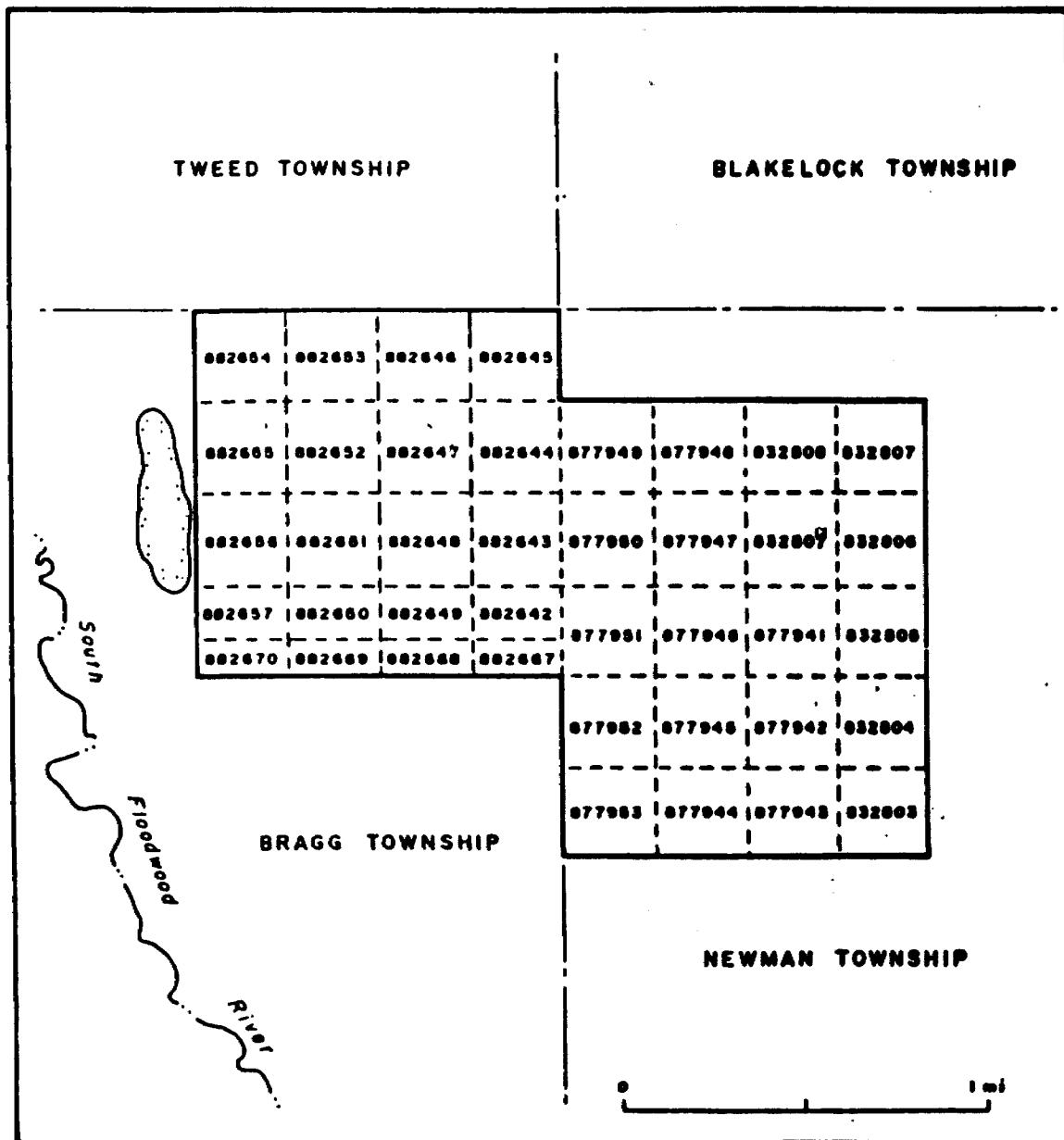


Figure 4 - Bragg-Newman Property Claim Map

2.6

Project Costs

Budgeted and actual costs for the 1988 drilling program are presented in Table 2. The budget figure of \$75,314.00 (\$156.90/metre, \$47.84/foot) was based on the following assumptions:

1. Twenty-four holes totalling 480 m; average 20 m per hole.
2. Drilling productivity at 7 m per operating hour.
3. An average bit life of 60 m.
4. A total of 144 overburden samples (average 6 samples per hole).

Nineteen holes were drilled averaging 24.8 m or 24 percent over the budget estimate. Although the overburden was deeper than expected, drilling productivity was 6.0 m/hour, essentially as budgeted. Bit life averaged 79 m or 32 percent higher than the budget estimate. The total number of overburden samples was 176 or 22 percent higher than the budget estimate. Actual costs were \$73,866.52, similar to the budgeted figure of \$75,314.00, because the reduced number of holes drilled and the good bit performance offset the increased hole depth and number of overburden samples per hole.

3.0

DRILLING AND SAMPLING

3.1

Drill Hole Pattern

The major directions of ice flow were 170-180 degrees for the main Late Wisconsinan ice sheet and 220-240 degrees for the Late Illinoian ice sheet. VLF conductors suggestive of bedding parallel shear zones on the property trend east-west, and since any gold mineralization would be expected to occur in these shear zones, it follows that any gold dispersal trains should trend roughly perpendicular to the bedrock strata. Gold dispersal trains from known deposits oriented perpendicular to glaciation normally have a down-ice length of 400-1000 m (Table 3) and a cross-ice width of 300-400 m (including low-grade fringes related to the anomalous alteration haloes that enclose most gold deposits).

| <u>Service</u> | <u>Company</u> | <u>Budget</u> | | | <u>Actual</u> | | |
|--|----------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|
| | | <u>\$ Total</u> | <u>\$/Metre</u> | <u>\$/Foot</u> | <u>\$Total</u> | <u>\$/Metre</u> | <u>\$/Foot</u> |
| 1. Pre-drilling | ODM | 1,000.00 | 2.08 | 0.64 | 1,034.00 | 2.19 | 0.67 |
| 2. Drilling Operations and road clearing | H&S | 46,670.00 | 97.24 | 29.65 | 45,446.20 | 96.45 | 29.40 |
| 3. Field supervision, logging, sampling | ODM | 9,630.00 | 20.06 | 6.12 | 8,106.50 | 17.20 | 5.24 |
| 4. Sample shipping and processing | Various, ODM | 5,312.00 | 13.15 | 4.00 | 7,217.57 | 15.32 | 4.67 |
| 5. Analytical | Bondar-Clegg | 3,702.00 | 7.70 | 2.35 | 4,062.25 | 8.63 | 2.63 |
| 6. Report | ODM | <u>8,000.00</u> | <u>16.67</u> | <u>5.08</u> | <u>8,000.00</u> | <u>16.97</u> | <u>5.17</u> |
| TOTALS | | 75,314.00 | 156.90 | 47.84 | 73,866.52 | 156.76 | 47.78 |

Table 2 - Budgeted and Actual Costs for the Bragg-Newman Reverse Circulation Drilling Program

The Bragg-Newman holes were drilled 300-400 m apart along generally east-west but very irregular drill hole traverses with an average 500 m separation. The drill traverses are sub-perpendicular to both ice paths, maximizing the probability of intersecting a dispersion train. The irregularities in the traverses increase the probability of intersecting east-west trending bedrock horizons and stratigraphically-controlled buried valleys that could influence glacial dispersal patterns. In addition, the traverses were routed so as to position drill holes directly over or immediately down-ice from the strongest segments of the VLF conductor axes.

3.2

Drilling Equipment

Heath and Sherwood's drill rig employed an Acker MP drill head with a 3 metre feed cylinder. The drill, together with all its ancillary equipment including air compressor, water pump and logging and sampling facilities, was unitized and enclosed on the bed of a Nodwell Model 160 tracked carrier for all-terrain mobility and all-weather operation.

The rig employed an air compressor with a rated capacity of 300 cfm at 160 psi and a water pump having a capacity of 20 gpm at 600 psi. Water flow was normally restricted to 4-5 gpm to improve recovery of fines. The rig was equipped with a 12 volt DC Cool White fluorescent fixture that simulates natural sunlight for accurate sample logging. All equipment except the air compressor and Nodwell carrier was operated hydrostatically from a central diesel engine.

The rig carried twenty-two 10-foot drill rods. The holes were logged in metres using the approximate conversion factor of 3 metres to 10 feet. This resulted in the logged hole depth (Appendix A) being 1.6 percent less than true depth.

Heath and Sherwood supported the drill rig with a GoTrac GT-1000 muskeg tractor equipped with a 400-gallon water tank. Road clearing was subcontracted by Heath and Sherwood to Northland Exploration Ltd. of Timmins, Ontario who used a wide-pad Caterpillar bulldozer.

APPENDIX A
REVERSE CIRCULATION DRILL HOLE LOGS

OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG

DATE Feb 14 1988

HOLE NO CBN-RR-01 LOCATION 300 E; 23 + 75 N

GEOLOGIST J. Pawson DRILLER G. Hong BIT NO. 115205 BIT FOOTAGE 0.315

SHIFT HOURS

MOVE TO HOLE Feb 15th, 1988

TO _____

DRILL 7:00- 11:10

TOTAL HOURS

MECHANICAL DOWN TIME

CONTRACT HOURS

DRILLING PROBLEMS

OTHER

MOVE TO NEXT HOLE 11:10- 11:30

Elevation 2418.m

New bit

page 1 of 2

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | | | | | | | |
|-----------------------|----------------|----------|---------------|---|---|--|--|--|--|--|--|
| | | | | | | | | | | | |
| 0 | 0 | | c1 | 0-0.5 Organics (peat) | | Examination of diameter split 880607 TEB | | | | | |
| 0.5 | 0 | | c1 | 0.5-3.8 COCHERNE TILL | Sample 01-11 | <u>sand</u> | | | | | |
| 1 | 0 | | c1 | - beige gritty clay matrix with occasional pebbles | beige, medium grained (5mm), well sorted, no clast | | | | | | |
| 2 | 0 | | c1 | - matrix is highly reactive to HCl | 01-13 | <u>sand</u> | | | | | |
| 3 | 0 | | c1 | - clast composition: 80% volcanics/ sediments, 20% Jms | beige, medium grained (5mm), well sorted, no clast. | | | | | | |
| 4 | 0 | | c2 | 3.8-4.0 - granodiorite boulder | 01-14 | <u>sand and Till</u> | | | | | |
| 5 | 0 | | c2 | 3.8-30.2 MATHESON TILL | predominantly beige, medium sand (250-500μm), fine sand (100-250μm) | | | | | | |
| 6 | 0 | | c2 | - gradational contact with overlying till | some pebbly clast | | | | | | |
| 7 | 0 | | c3 | 3.8-5.5- gray, fine silt/sand and clay matrix | 01-15 | <u>Till</u> | | | | | |
| 8 | 0 | | c3 | - cobbles and pebbles, clast composition 60% volcanics/ sediments, 40% granitoids | gray-beige, silt matrix (50-100μm) pebbly, some clast covered with silty matrix | | | | | | |
| 9 | 0 | | c3 | 5.5-7.2 - very soft gray clay | 01-16 | <u>Till</u> | | | | | |
| 10 | 0 | | c3 | 7.2-26.4 - till same as before clay unit, decrease in volcanics/ sediments to 50%, 50% granitoids | gray-beige, fine sand (100-200μm) and silt (50-100μm) matrix, locally gritty clay lumps, pebbly clast, 1/2 lined clast, stiff to tan colored. | | | | | | |
| 11 | 0 | | c3 | | | | | | | | |
| 12 | 0 | | c3 | | | | | | | | |
| 13 | 0 | | c3 | | | | | | | | |
| 14 | 0 | | c3 | | | | | | | | |
| 15 | 0 | | c3 | | | | | | | | |
| 16 | 0 | | c3 | | | | | | | | |
| 17 | 0 | | c3 | | | | | | | | |
| 18 | 0 | | c3 | | | | | | | | |
| 19 | 0 | | c3 | | | | | | | | |
| 20 | 0 | | c3 | | | | | | | | |

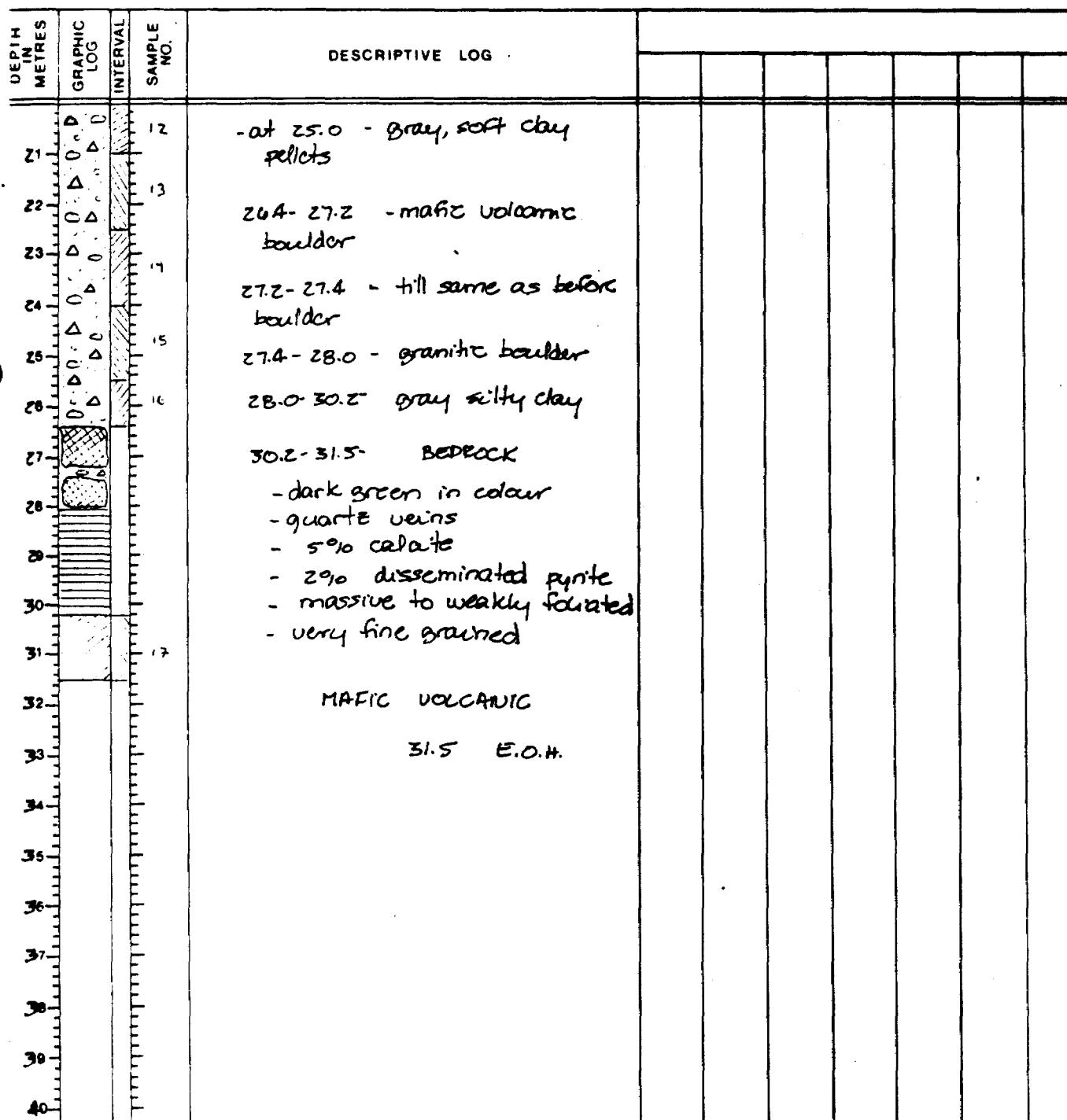
Note: contact of Ojibway II sediments and Matthew Till at approx 23.5 metres

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Feb. 14 1988

HOLE NO CAL-BB-01 LOCATION _____
GEOLOGIST _____ DRILLER _____ BIT NO. _____ BIT FOOTAGE _____
MOVE TO HOLE _____
DRILL _____
MECHANICAL DOWN TIME _____
DRILLING PROBLEMS _____
OTHER _____
MOVE TO NEXT HOLE _____

page 2 of 2



**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Feb. 14 19~~88~~

HOLE NO CBM-88-02 LOCATION 100 F; 20+25 N

GEOLOGIST L. Beligand DRILLER G. Hause BIT NO. M75225 BIT FOOTAGE 36.6-78.0

SHIFT HOURS

MOVE TO HOLE 11:10-11:30

TO

DRILL 11:30-3:00

TOTAL HOURS

MECHANICAL DOWN TIME

CONTRACT HOURS

DRILLING PROBLEMS

OTHER

MOVE TO NEXT HOLE

Elevation: 300.m

page 1 OF 3

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | | | | | | |
|-----------------------|----------------|----------|---------------|--|--|---------------|--------------|-----|--|--|
| | | | | | | | | | | |
| 0 - 3.0 | | | 01 | COCHEANE TILL - oxidized beige clay matrix, gritty, with occasional pebbles. - clast composition: 80% volcanics 10% granitoids, 10% limestone. | Examination of character | sample 02-08 | split 300x07 | TEB | | |
| 1 | | | | | beige | sand | | | | |
| 2 | | | | | beige, well sorted, medium grained (500μ) no clast. | | | | | |
| 3 | | | | | 02-11 | sand and clay | | | | |
| 4 | | | | | beige, fine grained (150-200μ) sand | | | | | |
| 5 | | | | | and 10-20% pure gray clay lumps. | | | | | |
| 6 | | | | | (disturbed bed) | | | | | |
| 7 | | | | | 02-13,14 | sand | | | | |
| 8 | | | | | beige, well sorted, coarse grained (500-600μ) no clast | | | | | |
| 9 | | | | | 02-15,16 | Till | | | | |
| 10 | | | 02 | | gray to gray-beige, fine sand (100-200μ) matrix, pebbly clast | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | 03 | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | 04 | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | 05 | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | 06 | | | | | | | |

Note: contact of Ojibway II sediments
and Mather Till at 37.5 metres.

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Feb. 14 1998

HOLE NO CBU-AB-02 LOCATION _____
GEOLOGIST _____ DRILLER _____ BIT NO. _____ BIT FOOTAGE _____
MOVE TO HOLE _____
DRILL _____
MECHANICAL DOWN TIME _____
DRILLING PROBLEMS _____
OTHER _____
MOVE TO NEXT HOLE _____

page 2 of 3

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Feb. 14 1922

HOLE NO CB10-88-02 LOCATION _____
GEOLOGIST _____ DRILLER _____ BIT NO. _____ BIT FOOTAGE _____
MOVE TO HOLE _____
DRILL _____
MECHANICAL DOWN TIME _____
DRILLING PROBLEMS _____
OTHER _____
MOVE TO NEXT HOLE _____

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**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE February 19 53

SHIFT HOURS

HOLE NO SW-3-05 LOCATION 500 E. 20TH ST.

GEOLOGIST L. J. HOGG DRILLER J. HOWE BIT NO. M75-205 BIT FOOTAGE 750-1135

MOVE TO HOLE E 10-4.45

TO

MECHANICAL DOWN TIME

COMMERCIAL HIGHWAYS

DRILLING PROBLEMS

OTHER ~~5 galluzzo out of creek~~

MOVE TO NEXT HOLE

MOVE TO NEW FILE [\[link\]](#)

Elevation. 298.m

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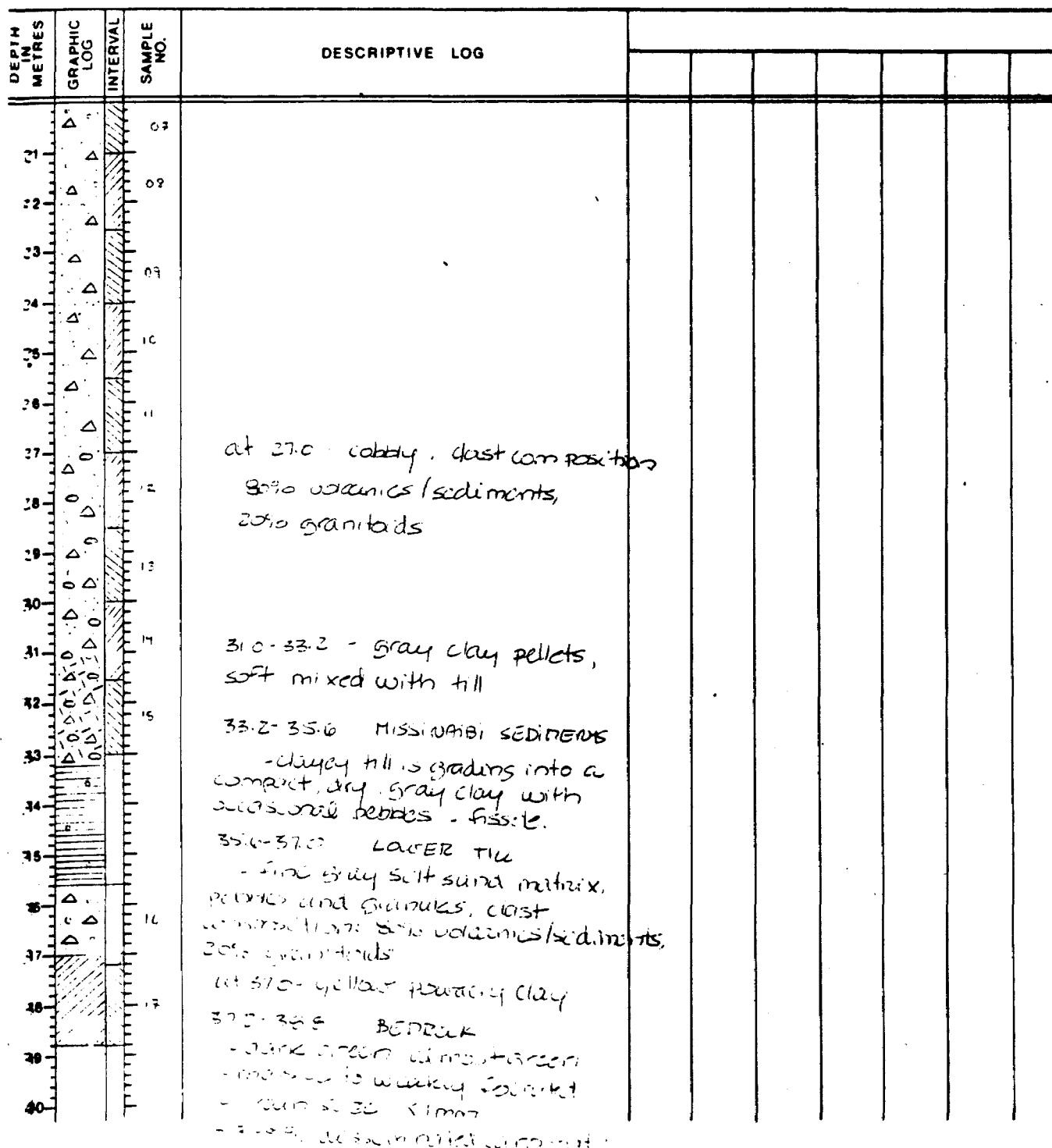
| DEPTH IN METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | | | | | |
|-----------------------|----------------|----------|---------------|--|---|--|--|--|--|
| 0 | | | | 0-0.5 Organics (Peat) | | | | | |
| 1 | | | 01 | 0.5-5.0 CATHRANE TILL | Examination of diameter split 880607 TEB | | | | |
| 2 | | | | - beige gritty clay matrix with occasional pebbles, | Sample 03-09 <u>land</u> | | | | |
| 3 | | | 02 | 7.0-10 Volcanics / sediments, 10% granitoids, 20% limestone | beige, fine to medium grained (an-sand) sand, well sorted, no silt | | | | |
| 4 | | | | 5.0 - 12.4 OJIBWAY II SEDIMENTS | 03-10 <u>Till and land</u> | | | | |
| 5 | | | | - gradational contact with overlying till | gray-beige to beige, fine sand matrix (100-250 μ) some medium sand (250-500 μ) low percentage | | | | |
| 6 | | | | - pure, soft silty clay, gray few pebbles | 03-11 <u>Till</u> | | | | |
| 7 | | | | | gray-beige, fine sand (10-150 μ) matrix, some silt present (50-100 μ) local gritty, clay lumps, pebbly silt | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | 12.4-35.6 MATHESON TILL | | | | | |
| 13 | | | 03 | - fine gray sand silt matrix | Note: Contact of Ojibway II sediments and Matheson Till at 25.0 metres | | | | |
| 14 | | | | - abrupt contact with overlying clay unit | | | | | |
| 15 | | | | - rounded; clast composition: | | | | | |
| 16 | | | 04 | 50% granitoids 40% volcanics/ sediments | | | | | |
| 17 | | | | | | | | | |
| 18 | | | 05 | | | | | | |
| 19 | | | | | | | | | |
| 20 | | | 06 | | | | | | |
| 21 | | | | | | | | | |
| 22 | | | 07 | | | | | | |

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE 1/10/19

HOLE NO 78-1A-10 LOCATION _____
GEOLOGIST _____ DRILLER _____ BIT NO. _____ BIT FOOTAGE _____
MOVE TO HOLE _____
DRILL _____
MECHANICAL DOWN TIME _____
DRILLING PROBLEMS _____
OTHER _____
MOVE TO NEXT HOLE _____

Fig. 2 of 2



**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE 11/15 1982

HOLE NO CBL-82-14 LOCATION 1000E 1 23+25 N
 GEOLOGIST L. P. Young DRILLER G. Haug BIT NO. HYS-202 BIT FOOTAGE 0-14.7
 SHIFT HOURS _____
 MOVE TO HOLE 0:50-10:00
 TOTAL HOURS _____
 DRILL 10:00-11:00
 CONTRACT HOURS _____
 MECHANICAL DOWN TIME _____
 DRILLING PROBLEMS _____
 OTHER _____
 MOVE TO NEXT HOLE 11:00-11:40

Elevation 300m

new bit

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | | | | | | |
|-----------------------|----------------|----------|---------------|--|--|--|--|--|--|--|
| | | | | | | | | | | |
| 0 | | | 01 | 0-0.5 Organics (Peat) | | | | | | |
| 1 | | | | 0.5-2.4 COCHRANE TILL | | | | | | |
| 2 | | | | - beige silty clay matrix reacts with acid, occasional pebbles, 60% volcanics / sediments, 10% granitoids, 30% limestone | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | 2.4-10.0 OTIBWAY II SEDIMENTARY | | | | | | |
| 9 | | | | Gradational contact with overlying till | | | | | | |
| 10 | | | | - soft gray dense silty clay | | | | | | |
| 11 | | | 02 | 10.0-12.6 MATHESON TILL | | | | | | |
| 12 | | | | - abrupt contact with over- lying clay | | | | | | |
| 13 | | | | - fine gray silt sand matrix pebbles | | | | | | |
| 14 | | | 03 | - clast composition: 60% volcanics / sediments 40% granitoids | | | | | | |
| 15 | | | | 12.6-14.3 BEDROCK | | | | | | |
| 16 | | | | - black and white | | | | | | |
| 17 | | | | - fine grain size | | | | | | |
| 18 | | | | - massive to weakly foliated | | | | | | |
| 19 | | | | - 10% calcite | | | | | | |
| 20 | | | | - quartz or dolomitic | | | | | | |
| | | | | METASEDIMENT | | | | | | |

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE 11-11-57 1957

HOLE NO 15-05-05 LOCATION 17-02 E 16+25 N

GEOLOGIST ~~H. H. HOLT~~ DRILLER ~~H. H. HOLT~~ BIT NO. ~~H-752-06~~ BIT FOOTAGE ~~12-857~~

SHIFT HOURS

MOVE TO HOLE - 11-23-1146

TO

DRILL 11:40 - 2:35

CONTRACT HOURS

OTHER

Elgar 333

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**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE 19

HOLE NO. ~~100-100-05~~ LOCATION

GEOLOGIST _____ **DRILLER** _____ **BIT NO.** _____ **BIT FOOTAGE** _____

SHIFT HOURS

MOVE TO HOLE

— 10 —

DRILL _____

2
CONTRACT HOURS

DRILLING PROBLEMS _____

MOVE TO NEXT HOLE _____

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PASC 2 of 2

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE 12-15-19

HOLE NO BL-5-50 LOCATION SWF; 15+40 N
GEOLOGIST P. Young DRILLER G. Young BIT NO. 115-22 BIT FOOTAGE 437-500
MOVE TO HOLE BL-5-515
DRILL 315-5.00
MECHANICAL DOWN TIME _____
DRILLING PROBLEMS _____
OTHER _____
MOVE TO NEXT HOLE _____

Elevation. 300m

posc 1 of 2

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | | Examination of diameter 0.60m TBS sample 06-02. Till gray-beige, fine sand matrix (100-200µ) angular clast non-uni. Note: As exposed in field, assuming remainder of section to be similar. |
|-----------------------|--|----------|---------------|-----------------|---|--|
| | | | | 0 | 1 | |
| 0.0 - 0.2 | Organics (Peat) | | | | | |
| 0.2 - 2.6 | COCHRAE SEDIMENTS | | | | | |
| | - Gray beige silty clay matrix with occasional pebbles | | | | | |
| 2.6 - 18.0 | OSIBWAY II SEDIMENTS | | | | | |
| | - Gradational contact with overlying till | | | | | |
| | - soft, pure gray silty clay with occasional pebbles | | | | | |
| 18.0 - 34.5 | MATTHESON TILL | | | | | |
| | - abrupt contact with overlying till | | | | | |
| | - fine gray silt sand matrix, pebbles and granules | | | | | |
| | - clast composition: 60% volcanics/sediments, 40% granitoids | | | | | |
| 34.5 - 35.5 | 02 | | | | | |
| 35.5 - 36.5 | 03 | | | | | |

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE 1-1-65 1965

HOLE NO. 13-50-01 LOCATION _____
GEOLOGIST _____ DRILLER _____ BIT NO. _____ BIT FOOTAGE _____
MOVE TO HOLE _____
DRILL _____
MECHANICAL DOWN TIME _____
DRILLING PROBLEMS _____
OTHER _____
MOVE TO NEXT HOLE _____

page 2 of 2

OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG

DATE Sept 11 1988

HOLE NO. B1-07-02 LOCATION 220 E, 11+50 N
 GEOLOGIST P. P. G. DRILLER L. H. BIT NO. M15202 BIT FOOTAGE 540-560
 MOVE TO HOLE 7.02 - 10.00
 DRILL 10.00 - 10.40
 MECHANICAL DOWN TIME _____
 DRILLING PROBLEMS _____
 OTHER _____
 MOVE TO NEXT HOLE _____

Elevation 301m

| DEPTH METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | | | | | | |
|-----------------|----------------|----------|---------------|---|--|--|--|--|--|--|
| | | | | | | | | | | |
| 0-1.0 | | | 01 | 0-1.0 Organics (Peat) | | | | | | |
| 1.0-3.4 | | | | 1.0-3.4 COCHRANE TILL - gray peaty, silty clay matrix with occasional pebbles, 80% volcanics / sediments, 10% Granitoids, 10% limestone | | | | | | |
| 3.4-13.0 | | | | 3.4-13.0 OSIBWAY II SEDIMENTS - soft, gray, silty clay with occasional pebbles at 11.5-12.0 - clay becomes bumpy, increase in pebbles 12.0-13.0 - poor recovery of sample, could be silt that is washed away (only few granules in the sieve) | | | | | | |
| 13.0-14.5 | | | 02 | 13.0-14.5 MATHESON TILL - gradational contact with overlying clay - fine gray silt sand matrix, pebbles and granules, clast composition: 50% volcanics/ sediments, 50% Granitoids | | | | | | |
| 14.5-16.0 | | | 03 | 14.5-16.0 BEDROCK - dark gray, almost black - fine grained - moderately fissured - 2-3% disseminated white minerals seen at 15.6 | | | | | | |

OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG

DATE 19-10-88

HOLE NO SP-88-08 LOCATION 35° E 65° N
 GEOLOGIST WILLIAM DRILLER G. HOLTA BIT NO. 1752.2 BIT FOOTAGE 660-1056
 MOVE TO HOLE 3:30-4:00
 DRILL 4:00-5:00 END OF SHIFT
 MECHANICAL DOWN TIME 11:40-3:30 Repair materials, storage
 DRILLING PROBLEMS both pumps and Smoker and
 OTHER chim tank.
 MOVE TO NEXT HOLE _____

Elevation 501 m

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | | | | | | |
|-----------------|-------------|----------|------------|---|--|--|--|--|--|--|
| | | | | | | | | | | |
| 0 | | | | 0-1.5 Organics (Peat) | | | | | | |
| 1 | | | | 1.5-3.2 LOCHRAE TILL | | | | | | |
| 2 | | 01 | | - sandy gray clay matrix with occasional pebbles. 80% volcanics /sediments 10% granitoids, 10% limestone | | | | | | |
| 3 | | | | 3.2-10.2 OSTWAY II SEDIMENTS | | | | | | |
| 4 | | | | - silty clay, gray with occasional pebbles | | | | | | |
| 5 | | | | * 10.2-11.2 MATHESON TILL | | | | | | |
| 6 | | | | - abrupt contact with over- lying contact | | | | | | |
| 7 | | | | - fine, gray sand/silt matrix | | | | | | |
| 8 | | 02 | | - pebbles and cobbles | | | | | | |
| 9 | | | | - clast composition: 80% | | | | | | |
| 10 | | | | volcanics /sediments, 20% | | | | | | |
| 11 | | | | granitoids | | | | | | |
| 12 | | 03 | | 11.2-12.6 BEDROCK | | | | | | |
| 13 | | | | - dark gray and white | | | | | | |
| 14 | | | | - white: calcite veins - 20% | | | | | | |
| 15 | | | | - very fine grained | | | | | | |
| 16 | | | | - moderately faceted | | | | | | |
| 17 | | | | - 1-2% disseminated pyrite | | | | | | |
| 18 | | | | METASEDIMENT | | | | | | |
| 19 | | | | TUR E.D.H. | | | | | | |
| 20 | | | | | | | | | | |

* note: because till sample was too
wet to extract till information

OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG

DATE Feb 17 1982

HOLE NO CBN-93-79 LOCATION 602 E; 7+25 W
 GEOLOGIST J. P. JONES DRILLER G. H. HOGG BIT NO H752-02 BIT FOOTAGE 0-13.2
 SHIFT HOURS _____
 MOVE TO HOLE 9:00-10:00
 TOTAL HOURS _____
 DRILL 10:00-11:45
 MECHANICAL DOWN TIME _____
 DRILLING PROBLEMS _____
 CONTRACT HOURS _____
 OTHER _____
 MOVE TO NEXT HOLE 11:45-1:00

Elevation 350m

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL SAMPLE NO. | DESCRIPTIVE LOG | | | | | | |
|-----------------------|----------------|---------------------------|--|--|--|--|--|--|--|
| | | | | | | | | | |
| 0 | | | 0-0.5 Organics (Peat) | | | | | | |
| 1 | | | | | | | | | |
| 2 | | | 0.5-3.2 COTTARNE TILL | | | | | | |
| | | | - gray beige gritty clay matrix with occasional pebbles, 70% volcanics | | | | | | |
| | | | 10% granitoids, 20% limestone | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | 2.0-2.3 - granodiorite boulder | | | | | | |
| | | | - clay matrix is gray at 2.4 | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | 3.2-3.6 051BWM II SEDIMENTS | | | | | | |
| | | | - soft, gray, silty clay | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | 3.6-11.8 MATHESON TILL | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | 3.6-5.2 - fine, gray, sand / silt matrix, pebbles and cobbles | | | | | | |
| 11 | | | - clast composition: 80% volcanics / sediments, 20% granitoids | | | | | | |
| 12 | | | 5.2-6.0 - metasediment boulder | | | | | | |
| 13 | | | 6.0-7.6 - very stony, mostly cobbles | | | | | | |
| 14 | | | 7.6-11.8 - soft gritty clay lumps mixed with till | | | | | | |
| 15 | | | | | | | | | |
| 16 | | | 11.8-13.2 BEDROCK | | | | | | |
| 17 | | | - dark gray to black | | | | | | |
| 18 | | | - very soft / powdery gray, | | | | | | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |

Note: contact of Ojibway II sediment and Matheson Till at 7.6 m based on description of samples in field log.

OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG

DATE 20-7-1982 HOLE NO 180-85-10 LOCATION 100E, Lat 75 N
 GEOLOGIST L. P. S. DRILLER GHOLES BIT NO. 17525 BIT FOOTAGE 122.267
 SHIFT HOURS MOVE TO HOLE 11:05 - 1:00
 TO DRILL 1:00 - 2:00
 TOTAL HOURS MECHANICAL DOWN TIME
 CONTRACT HOURS DRILLING PROBLEMS
 OTHER
 MOVE TO NEXT HOLE 2:00 - 3:30

Elevation: 300m

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | | | | | | | |
|-----------------------|----------------|----------|---------------|---|--|--|--|--|--|--|--|
| | | | | | | | | | | | |
| 0 | | | | 0-0.2 Organics (Peat) | | | | | | | |
| 1 | D D D D | | 01 | 0.2-2.0 COCHRANE TIC | | | | | | | |
| 2 | D D D D | | | - beige gritty clay matrix with occasional pebbles | | | | | | | |
| 3 | cccc | | 02 | - clast composition: 80% volcanics / sediments, 10% granitoids, 10% limestone | | | | | | | |
| 4 | cccc | | | 2.0-10.0 OTIBWAY II SEDIMENTS | | | | | | | |
| 5 | cccc | | 03 | 2.0-5.2 - interbedded fine to medium beige sand with gravel | | | | | | | |
| 6 | cccc | | | - pebbles are rounded to subrounded | | | | | | | |
| 7 | cccc | | 04 | - layers are approximately 0.4m | | | | | | | |
| 8 | cccc | | | - clast composition: 80% granitoids, 20% volcanics / sediments | | | | | | | |
| 9 | cccc | | 05 | - only pebbles with no matrix, then a fine gray sand | | | | | | | |
| 10 | cccc | | | - cobbles and boulders | | | | | | | |
| 11 | cccc | | | 7.8-10.0 - only coarse sand and gravel | | | | | | | |
| 12 | cccc | | | 10.0-11.5 BEDROCK | | | | | | | |
| 13 | cccc | | | - very fine grained | | | | | | | |
| 14 | cccc | | | - dark gray | | | | | | | |
| 15 | cccc | | | - very soft powdery gray | | | | | | | |
| 16 | cccc | | | ch. 25 | | | | | | | |
| 17 | cccc | | | - well sorted | | | | | | | |
| 18 | cccc | | | - 1-2% disseminated | | | | | | | |
| 19 | cccc | | | carbonate | | | | | | | |
| 20 | cccc | | | | | | | | | | |

OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG

DATE Sep 19 86

HOLE NO CBW-B2-11 LOCATION 16+02 E; Q+75 N
 GEOLOGIST L.P.L. DRILLER G.HOLTS BIT NO. 1752 BIT FOOTAGE 267-52.2
 SHIFT HOURS _____
 MOVE TO HOLE 7:40 - 3:30
 TOTAL HOURS _____
 DRILL 3:30 - 6:00
 CONTRACT HOURS _____
 MECHANICAL DOWN TIME _____
 DRILLING PROBLEMS _____
 OTHER _____
 MOVE TO NEXT HOLE _____

Elevation. 502 m

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL SAMPLE NO. | DESCRIPTIVE LOG | | | | | | |
|-----------------------|----------------|---------------------------|---|--|--|--|--|--|--|
| | | | | | | | | | |
| 1 | | | 0-0.5 Organics (Peat) | | | | | | |
| 1 | | 01 | 0.5-4.0 CALTHANE TILL | | | | | | |
| 2 | | | -gray dense gritty clay matrix with occasional pebbles - colour changes to gray at 3.0m | | | | | | |
| 3 | | | | | | | | | |
| 4 | | 02 | 4.0-6.0 MATHESON TILL | | | | | | |
| 5 | | 03 | -4.0-4.2 -pure gray soft clay | | | | | | |
| 6 | | | - Gradational contact with overlying clay | | | | | | |
| 7 | | | - fine gray silt/sand matrix | | | | | | |
| 8 | | | - pebbles | | | | | | |
| 9 | | | - clast composition: 80% volcanics bediments, 20% granitoids | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | 6.0-7.5 BEDROCK | | | | | | |
| 12 | | | - medium gray | | | | | | |
| 13 | | | - very fine grained | | | | | | |
| 14 | | | - very soft powdery gray chips | | | | | | |
| 15 | | | - well fractured | | | | | | |
| 16 | | | - oxidized along planes of fracturing | | | | | | |
| 17 | | | - quartz seen at 7.3 | | | | | | |
| 18 | | | - marine some siderite also? | | | | | | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |

METAMORPHISM

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE JULY 19 19 HOLE NO B1-0475 LOCATION 4+025 E ; 11+50 N
 GEOLOGIST L.P. FISHER DRILLER G. HOWE BIT NO. M75217 BIT FOOTAGE 567-57.7
 SHIFT HOURS MOVE TO HOLE 7:00 - 7:50 M75214 0-19.0
TO DRILL 7:50 - 10:30 M75215 0-19.5
 TOTAL HOURS MECHANICAL DOWN TIME _____
 CONTRACT HOURS DRILLING PROBLEMS _____
 OTHER _____
 MOVE TO NEXT HOLE 10:30 - 10:40

Elevation 305 m

pose. 1 of 2

2 New bits, 2 new
bit subs

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | |
|-----------------------|----------------|----------|---------------|--|---|
| | | | | | |
| 0 | | | | 0-2.0 organics (Peat) | Examination of character split samples T20 |
| 2 | | | | 2.0-15.0 OSBURN II SEDIMENTS | length 13-21, or Till gray-brown to gray, fine and matting (var. coarse) non-sorted pebbly slate |
| 3 | | | | -soft silty gray clay with occasional pebbles | |
| 4 | | | | -11.0-13.0 no recovery | |
| 5 | | | | -13.0-15.0 same as 2.0- | |
| 6 | | | | 11.0 | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| 10 | | | | | |
| 11 | | | | | |
| 12 | | | | | |
| 13 | | | | | |
| 14 | | | | | |
| 15 | | | | 15.0-21.0 MATHESON TILL | |
| 16 | | | | -abrupt contact with | |
| 17 | | | | overlying clay | |
| 18 | | | | -fine gray silt loam matrix, pebbles | |
| 19 | | | | -clast composition 80% volcanic sediments, 20% igneous | |
| 20 | | | | | |

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE 2-16-1982

HOLE NO BW-04-14 LOCATION 14000 E 16+50 W
 GEOLOGIST J. P. L. DRILLER DRILLER G. H. L. BIT NO H75215 BIT FOOTAGE 195.225
 SHIFT HOURS _____
 TO _____ MOVE TO HOLE 10:30 - 10:45
 TOTAL HOURS _____ DRILL 10:40 - 1:30
 CONTRACT HOURS _____ MECHANICAL DOWN TIME _____
 OTHER _____ DRILLING PROBLEMS _____
 MOVE TO NEXT HOLE 1:30 - 1:45

Elevation 310m

posc 1052

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO.: | DESCRIPTIVE LOG | | | | | |
|-----------------------|----------------|----------|----------------|---|--|--|--|--|--|
| | | | | | | | | | |
| 0 | | | | 0-0.5 organics (Peat) | | | | | |
| 1 | | | | | | | | | |
| 2 | | | | 0.5-4.6 COCHRAE TILL | | | | | |
| 3 | | | 01 | - gray beige gritty clay matrix with occasional pebbles, 70% volcanics / sediments, 30% limestone | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | 02 | 4.6-7.0 OTTERWAY II SEDIMENTS | | | | | |
| 7 | | | | - gray, soft, silty clay with occasional pebbles (near contact with underlying till) | | | | | |
| 8 | | | | | | | | | |
| 9 | | | 03 | | | | | | |
| 10 | | | | 7.0-29.5 MATHESON TILL | | | | | |
| 11 | | | | - gradational contact with overlying clay unit | | | | | |
| 12 | | | | - fine gray silt / sand matrix, pebbles and cobbles, clast composition: 80% volcanics / sediments, 20% granitoids | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | 9.6-10.0 granitic boulder | | | | | |
| 16 | | | | 10.1-10.3 soft gritty gray clay | | | | | |
| 17 | | | | 11.0-11.4 -silty soft gray | | | | | |
| 18 | | | | clay | | | | | |
| 19 | | | | 11.4-23.6 - till same as before | | | | | |
| 20 | | | | boulder - very cobbly. | | | | | |

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE 5-14 1982 HOLE NO CDC-2A-14 LOCATION _____
SHIFT HOURS GEOLOGIST _____ DRILLER _____ BIT NO. _____ BIT FOOTAGE _____
TO MOVE TO HOLE _____
TOTAL HOURS DRILL _____
CONTRACT HOURS MECHANICAL DOWN TIME _____
DRILLING PROBLEMS _____
OTHER _____
MOVE TO NEXT HOLE _____

PASC 20F2

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | |
|-----------------------|----------------|----------|---------------|--|--|
| | | | | | |
| 21.0 - 21.5 | D D D D | 11 | | | |
| 21.5 - 22.0 | D D D D | 12 | | | |
| 22.0 - 23.0 | D D D D | 13 | | | |
| 23.0 - 23.8 | D D D D | 13 | | 23.6-23.8 - granitic boulder | |
| 23.8 - 24.0 | D D D D | 14 | | at 23.8 - gray clay grading | |
| 24.0 - 24.5 | D D D D | 14 | | into fine gray sand silt | |
| 24.5 - 25.0 | D D D D | 14 | | - fine gray sand interbedded | |
| 25.0 - 26.0 | D D D D | 15 | | with granules and pebbles, | |
| 26.0 - 27.0 | D D D D | 15 | | sand is more abundant, | |
| 27.0 - 28.0 | D D D D | 15 | | thickness of layers, 0.4m | |
| 28.0 - 28.5 | D D D D | 16 | | of sand, 0.2m of pebbles | |
| 28.5 - 29.0 | D D D D | 16 | | - sand is coarsening at | |
| 29.0 - 29.5 | D D D D | 17 | | 28.0-28.5 | |
| 29.5 - 30.0 | D D D D | 17 | | - sand and granules | |
| 30.0 - 31.0 | D D D D | 17 | | 28.0 - 29.5 Gravel; no | |
| 31.0 - 32.0 | D D D D | 18 | | matrix, pebbles rounded | |
| 32.0 - 33.0 | D D D D | 18 | | to subrounded | |
| 33.0 - 34.0 | D D D D | 18 | | - clast composition: 80% volcanics/sediments, 20% | |
| 34.0 - 35.0 | D D D D | 18 | | granitoids | |
| 35.0 - 36.0 | D D D D | 18 | | - very slow drilling | |
| 36.0 - 37.0 | D D D D | 19 | | 29.5 - 3.10 BEDROCK | |
| 37.0 - 38.0 | D D D D | 19 | | - black in colour | |
| 38.0 - 39.0 | D D D D | 19 | | - very fine grained | |
| 39.0 - 40.0 | D D D D | 19 | | - 2-3% disseminated carbonate | |
| 40.0 - 41.0 | D D D D | 19 | | - greyer in colour at 30.5 | |
| 41.0 - 42.0 | D D D D | 19 | | - sand & silt veins | |
| 42.0 - 43.0 | D D D D | 19 | | - 2% disseminated pyrite | |
| 43.0 - 44.0 | D D D D | 19 | | - black & moderately | |

OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG

DATE ED 12 1985

HOLE NO CBC 85-15 LOCATION 1700 E ; 10+50 N
 GEOLOGIST J.P. Lepine DRILLER G. Hales BIT NO. 175-215 BIT FOOTAGE 56.5-82.7
 MOVE TO HOLE 1.30-1.45
 DRILL 1.45-5.20
 MECHANICAL DOWN TIME _____
 DRILLING PROBLEMS _____
 OTHER _____
 MOVE TO NEXT HOLE _____

Elevation 301 m

POSC 10C2

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | | | | | | |
|-----------------------|----------------|----------|---------------|-----------------|--|---|--|--|--|--|
| | | | | | | | | | | |
| 0 | | | | 0-1.0 | Organics (Peat) | | | | | |
| 1 | | | | 1.0-16.0 | OSTBWAY II SEDIMENTS | | | | | |
| 2 | | | | | - soft, gray, silty clay with few granules? | Examination of diameter splits versus TTB | | | | |
| 3 | | | | | - poor recovery of this unit (from 8.0-10.0) | Sample 15-01 <u>Pebby sand</u> | | | | |
| 4 | | | | 16.0-36.0 | MATTHESON TILL | | | | | |
| 5 | | | | | - abrupt contact with overlying clay | beige, fine grained (100 μ) and medium grained sand (250-500 μ) some silt possibly contamination from overlying unit, 20% well rounded clast, pebbles | | | | |
| 6 | | | | | - fine, gray, silt/sand matrix | 15-02 <u>Sand</u> | | | | |
| 7 | | | | | - pebbles | beige, fine grained (100-200 μ) and gray clay beds | | | | |
| 8 | | | | | - clast composition: 50% volcanics (sediments), 50% granitoids | 15-03 <u>Pebby sand</u> | | | | |
| 9 | | | | | 18.2-19.5 - some clay mixed with till | beige, fine sand (100 μ) and medium sand (250-500 μ) in equal proportion 20% well rounded pebbly clasts | | | | |
| 10 | | | | | | 15-08,09 <u>Pebby sand</u> | | | | |
| 11 | | | | | | beige, medium grained (250-300 μ) well sorted, 2-10% well rounded pebbly clasts | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | 01 | | | | | | | |
| 18 | | | 02 | | | | | | | |
| 19 | | | 03 | | | | | | | |
| 20 | | | | | | | | | | |

Note: No Matthen Till, assuming
Samples 15-07,10 are also
pebbly sand from Ostbury
II sediments

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE ED 1 1988

SHIFT HOURS

TO _____
TOTAL HOURS

CONTRACT HOURS

HOLE NO CBW-8A-15 LOCATION _____
 GEOLOGIST _____ DRILLER _____ BIT NO. _____ BIT FOOTAGE _____
 MOVE TO HOLE _____
 DRILL _____
 MECHANICAL DOWN TIME _____
 DRILLING PROBLEMS _____
 OTHER _____
 MOVE TO NEXT HOLE _____

PSC. 2 of 2

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | | | | | | | |
|-----------------------|----------------|----------|---------------|---|--|--|--|--|--|--|--|
| | | | | | | | | | | | |
| 21 | △ | 7 | 03 | | | | | | | | |
| 22 | △ | 7 | 04 | | | | | | | | |
| 23 | △ | 7 | 05 | | | | | | | | |
| 24 | △ | 7 | | 24.0-28.0 - interbedded fine gray sand and gravel at 26.5 - poor recovery of sample (could be silt that is washed away) | | | | | | | |
| 25 | 0000 | 7 | | | | | | | | | |
| 26 | 0000 | 7 | 06 | | | | | | | | |
| 27 | | 7 | | | | | | | | | |
| 28 | | 7 | | | | | | | | | |
| 29 | | 7 | 07 | 28.0-34.5 - fine gray sand/silt matrix - pebbles - clast composition: 80% volcanics/sediments, 20% granitoids | | | | | | | |
| 30 | △ | 7 | 08 | | | | | | | | |
| 31 | △ | 7 | 09 | | | | | | | | |
| 32 | △ | 7 | 10 | 34.5-36.0 - gravel and coarse sand | | | | | | | |
| 33 | △ | 7 | | 36.0-38.3 BEDROCK | | | | | | | |
| 34 | △ | 7 | | - dark green and white | | | | | | | |
| 35 | 0000 | 7 | | - very fine grained | | | | | | | |
| 36 | 0000 | 7 | | - massive to weakly foliated | | | | | | | |
| 37 | 0000 | 7 | | - quartz vein at 37.0.. | | | | | | | |
| 37.5 | | 7 | | 37.5 | | | | | | | |
| 38 | | 7 | | - 5% disseminated pyrite | | | | | | | |
| 39 | | 7 | | MAFIC VOLCANIC | | | | | | | |
| 40 | | 7 | | 38.2 E.O.H. | | | | | | | |

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE 1-19-19 52

HOLE NO C-01-04-16 LOCATION 1700 ft., 0 to 0
GEOLOGIST L. P. Phillips DRILLER 6 hours BIT NO. 1125215 BIT FOOTAGE 86.7 - 109.7
MOVE TO HOLE 320-340
DRILL 320-500
MECHANICAL DOWN TIME _____
DRILLING PROBLEMS _____
OTHER _____
MOVE TO NEXT HOLE move drill to base line

Էլեվացիոն 302.մ

page 1 of 2

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Feb 15 1928

HOLE NO CBA-BS-16 LOCATION _____
GEOLOGIST _____ DRILLER _____ BIT NO. _____ BIT FOOTAGE _____
MOVE TO HOLE _____
DRILL _____
MECHANICAL DOWN TIME _____
DRILLING PROBLEMS _____
OTHER _____
MOVE TO NEXT HOLE _____

page 2 of 2

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | |
|-----------------------|----------------|----------|---------------|---|--|
| | | | | | |
| 21 | | 12 | | 19.5-21.0 BEDROCK | |
| 22 | | | | - olive green grading into a brownish green then changes again to purplish black (at 20.5) | |
| 23 | | | | - green clay balls at 19.5 | |
| 24 | | | | - well foliated | |
| 25 | | | | - very fine grained | |
| 26 | | | | - mineralized with sulphides 3.5% | |
| 27 | | | | - oxidized and ochre clay at | |
| 28 | | | | 20.4 | |
| 29 | | | | | |
| 30 | | | | METASEDIMENT | |
| 31 | | | | 21.0 E.O.H. | |
| 32 | | | | | |
| 33 | | | | | |
| 34 | | | | | |
| 35 | | | | | |
| 36 | | | | | |
| 37 | | | | | |
| 38 | | | | | |
| 39 | | | | | |
| 40 | | | | | |

OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG

DATE Feb. 26, 1986 LOCATION 2000 E ; 1400 N
 GEOLOGIST J. P. Piquet DRILLER G. Hause BIT NO. 1175215 BIT FOOTAGE 109.7-146.2
 SHIFT HOURS MOVE TO HOLE 7:30 A.M.
 _____ TO 8:00-10:30
 TOTAL HOURS MECHANICAL DOWN TIME _____
 CONTRACT HOURS DRILLING PROBLEMS _____
 OTHER _____
 MOVE TO NEXT HOLE 10:30-11:15

Elevation: 308m

page 1 of 2

| DEPTH IN METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | | | | | | |
|-----------------------|----------------|----------|---------------|------------------------------------|--|--|--|--|--|--|
| | | | | | | | | | | |
| 0 | | | 01 | 0-1.0 Organics (peat) | | | | | | |
| 1 | > | | | 1.0-2.8 COCHANE TILL | | | | | | |
| 2 | > | | | - gray beige gritty clay | | | | | | |
| 3 | > | | | matrix with occasional | | | | | | |
| 4 | > | | | pebbles | | | | | | |
| 5 | | | | 2.8-20.0 OTIBWAY II SEDIMENTS | | | | | | |
| 6 | | | | - abrupt contact with overlying | | | | | | |
| 7 | | | | clay | | | | | | |
| 8 | | | | 28-8.0 - soft silty clay, | | | | | | |
| 9 | | | | gray | | | | | | |
| 10 | | | 02 | 8.0-11.0 - medium to coarse | | | | | | |
| 11 | | | | gray sand | | | | | | |
| 12 | | | | 11.0-12.4 - soft gray clay | | | | | | |
| 13 | | | 03 | 12.4-13.5- interbedded coarse | | | | | | |
| 14 | | | | sand and gravel | | | | | | |
| 15 | | | 04 | 13.5-16.0 - coarse beige sand | | | | | | |
| 16 | | | | with granules and pebbles | | | | | | |
| 17 | | | | 60% limestone and dolomite | | | | | | |
| 18 | | | 05 | clasts, 20% U/S, 20% granitoids | | | | | | |
| 19 | | | | 16.0-19.0 - soft gray clay inter- | | | | | | |
| 20 | | | 06 | bedded with coarse beige sand | | | | | | |
| | | | | (thickness of layers .0.4 m) | | | | | | |
| | | | 07 | 19.0-20.0 Gravel | | | | | | |
| | | | | 20.0-33.0 MATHESON TILL | | | | | | |
| | | | | 30.0-34.0 - gradual contact | | | | | | |
| | | | | within overlying gravel | | | | | | |
| | | | | - fine, gray, silt sand matrix | | | | | | |
| | | | | - pebbles and cobbles | | | | | | |
| | | | | - clast composition. 80% dolomites | | | | | | |
| | | | | , 10% limestone, 10% sand | | | | | | |

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE 5-1-70 19SE

HOLE NO CBA-PE-17 LOCATION _____
GEOLOGIST _____ DRILLER _____ BIT NO. _____ BIT FOOTAGE _____
MOVE TO HOLE _____
DRILL _____
MECHANICAL DOWN TIME _____
DRILLING PROBLEMS _____
OTHER _____
MOVE TO NEXT HOLE _____

page 2 of 2

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE 1-2-55 1955

HOLE NO 18N-02-12 LOCATION 3100E ; 6150N
GEOLOGIST J. P. GULICK DRILLER G. HOWE BIT NO. 175252 BIT FOOTAGE 740.0
MOVE TO HOLE 10.50 11.15
DRILL 11.15 - 4:00
MECHANICAL DOWN TIME
DRILLING PROBLEMS bit was plugged, pulled to rods out
OTHER leak in hydraulic hose, had to
MOVE TO NEXT HOLE be repaired

Elevation. 302 m

New Br.

Page 1 of 2

OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG

DATE Feb 19 1985

HOLE NO. CBN-27-18 LOCATION _____
 GEOLOGIST _____ DRILLER _____ BIT NO. _____ BIT FOOTAGE _____
 SHIFT HOURS _____ TO _____
 MOVE TO HOLE _____
 TOTAL HOURS _____ DRILL _____
 MECHANICAL DOWN TIME _____
 CONTRACT HOURS _____ DRILLING PROBLEMS _____
 OTHER _____
 MOVE TO NEXT HOLE _____

page 2 of 2

| DEPTH METRES | GRAPHIC LOG | INTERVAL | SAMPLE NO. | DESCRIPTIVE LOG | | | | | | | |
|-----------------|----------------|----------|---------------|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | |
| 21 | | | 13 | | | | | | | | |
| 22 | | | 14 | | | | | | | | |
| 23 | | | 15 | | | | | | | | |
| 24 | | | 16 | | | | | | | | |
| 25 | | | 17 | 27.4 - 29.0 - coarse beige sand and gravel, sand is more abundant than the gravel | | | | | | | |
| 26 | | | 18 | 29.0 - 32.0 - fine to medium beige sand with occasional granules and pebbles interbedded with gravel layers, approximate thickness of layers is 0.1m | | | | | | | |
| 27 | | | 19 | 32.0 - 33.0 - beige silt to fine sand with occasional granules | | | | | | | |
| 28 | | | 20 | 33.0 - 38.0 - till is same as before sand units | | | | | | | |
| 29 | | | 21 | at 38.0 : clast composition is 75% volcanics / sediments, 5% granitoids. | | | | | | | |
| 30 | | | 22 | | | | | | | | |
| 31 | | | 23 | | | | | | | | |
| 32 | | | 24 | 38.0 - 40.0 BEDROCK | | | | | | | |
| 33 | | | 25 | - dark gray in colour - very fine grained - quartz vein at 39.0 - 2-3% carbonite - 1-2% disseminated pyrite - soft gray clay pellets at 39.2 (ordinarily coming from a fracture) | | | | | | | |
| 34 | | | 26 | - at 39.8 - bedrock is oxidized to green but is still fresh - soil (outside of chips are green) - well fractured | | | | | | | |
| 35 | | | 27 | | | | | | | | |
| 36 | | | 28 | | | | | | | | |
| 37 | | | 29 | | | | | | | | |
| 38 | | | 30 | | | | | | | | |
| 39 | | | 31 | | | | | | | | |
| 40 | | | 32 | | | | | | | | |
| 41 | | | 33 | | | | | | | | |
| 42 | | | 34 | | | | | | | | |
| 43 | | | 35 | | | | | | | | |
| 44 | | | | | | | | | | | |
| 45 | | | | | | | | | | | |
| 46 | | | | | | | | | | | |
| 47 | | | | | | | | | | | |
| 48 | | | | | | | | | | | |
| 49 | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| 51 | | | | | | | | | | | |
| 52 | | | | | | | | | | | |
| 53 | | | | | | | | | | | |
| 54 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| 56 | | | | | | | | | | | |
| 57 | | | | | | | | | | | |
| 58 | | | | | | | | | | | |
| 59 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |

40.0 E 0 + METASEDIMENT

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Feb 19 19 HOLE NO 301-02-14 LOCATION 2300 E, 10+00 W
GEOLOGIST L. T. LIGUORI DRILLER S. HOWE BIT NO. 115232 BIT FOOTAGE 406.645
SHIFT HOURS MOVE TO HOLE 4:00-4:20
TO DRILL 4:20-5:40
TOTAL HOURS MECHANICAL DOWN TIME _____
CONTRACT HOURS DRILLING PROBLEMS _____
OTHER _____
MOVE TO NEXT HOLE _____

Elevation 300m

pose 1 of 2

**OVERBURDEN DRILLING MANAGEMENT LIMITED
REVERSE CIRCULATION DRILL HOLE LOG**

DATE Aug 22 19 86

HOLE NO CBM-5c-19 LOCATION _____
GEOLOGIST _____ DRILLER _____ BIT NO. _____ BIT FOOTAGE _____
MOVE TO HOLE _____
DRILL _____
MECHANICAL DOWN TIME _____
DRILLING PROBLEMS _____
OTHER _____
MOVE TO NEXT HOLE _____

PASC 20f2

APPENDIX C
GOLD GRAIN COUNTS AND CALCULATED VISIBLE GOLD ASSAYS

CLASSIFICATION

RECOVERY FROM SHAKING TABLE AND PANNING

| | | NUMBER OF GRAINS | | | | | | | | | | |
|---------------|----------|------------------|---------|-----------|----------|-------|-----|-----------|-----|------|----------------|--|
| # OF PANNINGS | | 9 | | | | | | | | | | |
| PANNED | | | ABRADED | IRREGULAR | DELICATE | TOTAL | NON | CALC V.G. | | | | |
| Y/N | DIAMETER | THICKNESS | T | P | T | P | T | P | GMS | PPB | REMARKS | |
| -88 | | | | | | | | | | | | |
| 01-01 | N | NO VISIBLE GOLD | | | | | | | | | | |
| 01-02 | N | NO VISIBLE GOLD | | | | | | | | | | |
| 01-03 | N | NO VISIBLE GOLD | | | | | | | | | | |
| 01-04 | N | 75 X 75 | 15 C | 1 | | | | | 1 | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | 1 | 10.9 | 59 | |
| 01-05 | N | NO VISIBLE GOLD | | | | | | | | | | |
| 01-06 | N | 75 X 100 | 18 C | 1 | | | | | 1 | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | 1 | 14.5 | 70 | |
| 01-07 | Y | 25 X 50 | 8 C | | 1 | | | | 1 | | EST. 18 PYRITE | |
| | | 50 X 50 | 10 C | 1 | | | | | 1 | | | |
| | | 50 X 100 | 15 C | | 1 | | | | 1 | | | |
| | | 75 X 75 | 15 C | 1 | | | | | 1 | | | |
| | | 125 X 175 | 29 C | | 1 | | | | 1 | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | 5 | 21.9 | 296 | |
| 01-08 | N | NO VISIBLE GOLD | | | | | | | | | | |
| 01-09 | N | 50 X 50 | 10 C | 1 | | | | | 1 | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | 1 | 23.7 | 8 | |
| 01-10 | Y | 50 X 75 | 13 C | 1 | | | | | 1 | | EST. 18 PYRITE | |
| | | 125 X 125 | 25 C | 1 | | | | | 1 | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | 2 | 19.6 | 167 | |
| 01-11 | N | NO VISIBLE GOLD | | | | | | | | | | |
| 01-12 | N | NO VISIBLE GOLD | | | | | | | | | | |
| 01-13 | N | 75 X 125 | 20 C | 1 | | | | | 1 | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | 1 | 22.7 | 66 | |
| 01-14 | Y | 25 X 50 | 8 C | | 1 | | | | 1 | | EST. 18 PYRITE | |
| | | 75 X 100 | 18 C | 1 | | | | | 1 | | | |
| | | 75 X 125 | 20 C | 1 | | | | | 2 | | | |
| | | 150 X 200 | 34 C | | 1 | | | | 1 | | | |

OLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNEING

nd1.wrl

TOTAL # OF PANNEINGS 9

NUMBER OF GRAINS

| SAMPLE # PANNEED | Y/N | DIAMETER | THICKNESS | ABRADED | | | | IRREGULAR | | | | DELICATE | | | | TOTAL | NON METAL | CALC V.G. | |
|------------------|-----|-----------------|-----------|---------|---|---|---|-----------|---|-----|-----|----------|--|--|--|-------|--------------|-------------------------|-----|
| | | | | T | P | T | P | T | P | GMS | PPB | REMARKS | | | | | | | |
| CBN-88 | | | | | | | | | | | | | | | | | 5 | 15.5 | 763 |
| 01-15 | N | NO VISIBLE GOLD | | | | | | | | | | | | | | | | | |
| 01-16 | Y | 50 X 75 | 13 C | 1 | | | | | | | | | | | | 1 | | EST. 18 PYRITE | |
| | | 100 X 125 | 22 C | 1 | | | | | | | | | | | | 1 | | 200 GRAINS ARSENOPYRITE | |
| | | | | | | | | | | | | | | | | 2 | 24.6 | 102 | |
| 02-01 | N | NO VISIBLE GOLD | | | | | | | | | | | | | | | | | |
| 02-02 | N | NO VISIBLE GOLD | | | | | | | | | | | | | | | | | |
| 02-03 | N | NO VISIBLE GOLD | | | | | | | | | | | | | | | | | |
| 02-04 | N | 100 X 100 | 20 C | 1 | | | | | | | | | | | | 1 | | | |
| | | | | | | | | | | | | | | | | 1 | 14.5 | 103 | |
| 02-05 | N | NO VISIBLE GOLD | | | | | | | | | | | | | | | | | |
| 02-06 | N | 75 X 100 | 18 C | 1 | | | | | | | | | | | | 1 | | | |
| | | | | | | | | | | | | | | | | 1 | 12.6 | 80 | |
| 02-07 | N | 75 X 100 | 18 C | 1 | | | | | | | | | | | | 1 | | | |
| | | | | | | | | | | | | | | | | 1 | 17.1 | 59 | |
| 02-08 | N | NO VISIBLE GOLD | | | | | | | | | | | | | | | | | |
| 02-09 | N | NO VISIBLE GOLD | | | | | | | | | | | | | | | | | |
| 02-10 | Y | 25 X 25 | 5 C | 1 | | | | | | | | | | | | 1 | | EST. 18 PYRITE | |
| | | 25 X 75 | 10 C | 1 | | | | | | | | | | | | 1 | | | |
| | | 50 X 50 | 10 C | 2 | | | | | | | | | | | | 2 | | | |
| | | 50 X 75 | 13 C | 1 | | | | | | | | | | | | 1 | | | |
| | | | | | | | | | | | | | | | | 5 | 34.0 | 29 | |
| 02-11 | N | 75 X 100 | 18 C | 1 | | | | | | | | | | | | 1 | | | |
| | | | | | | | | | | | | | | | | 1 | 29.7 | 36 | |
| 02-12 | Y | 25 X 50 | 8 C | 1 | | | | | | | | | | | | 1 | | EST. 18 PYRITE | |
| | | 75 X 75 | 15 C | 1 | | | | | | | | | | | | 1 | | | |

OLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNEING

| ORD1.WRI SHAKING TABLE # OF PANNEINGS | | | NUMBER OF GRAINS | | | | | | | | | | |
|--|-----|-----------------|------------------|---|-----------|---|----------|---|-------|-----|-------|-----------|----------------|
| AMPLE # PANNEED | | | ABRADED | | IRREGULAR | | DELICATE | | TOTAL | | MAG | CALC V.G. | |
| | Y/N | DIAMETER | THICKNESS | T | P | T | P | T | P | GMS | ASSAY | PPB | REMARKS |
| CBN-88 | | | | | | | | | | | | | |
| | | 75 X 100 | 18 C | 1 | | | | | | 1 | | | |
| | | 100 X 125 | 22 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | | 4 | 22.3 | 173 |
| 02-13 | N | 50 X 75 | 13 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | | 1 | 26.2 | 16 |
| 02-14 | N | NO VISIBLE GOLD | | | | | | | | | | | |
| 02-15 | N | NO VISIBLE GOLD | | | | | | | | | | | |
| 02-16 | Y | 50 X 100 | 15 C | 1 | | | | | | 1 | | | EST. 28 PYRITE |
| | | 100 X 125 | 22 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | | 2 | 19.1 | 165 |
| 02-17 | N | 100 X 150 | 25 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | | 1 | 26.6 | 119 |
| 03-01 | N | NO VISIBLE GOLD | | | | | | | | | | | |
| 03-02 | N | NO VISIBLE GOLD | | | | | | | | | | | |
| 03-03 | Y | 50 X 75 | 13 C | 1 | | | | | | 1 | | | EST. 18 PYRITE |
| | | 75 X 100 | 18 C | 1 | | | | | | 1 | | | |
| | | 100 X 100 | 20 C | 1 | | | | | | 1 | | | |
| | | 175 X 275 | 42 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | | 6 | 24.8 | 762 |
| 03-04 | N | 75 X 125 | 20 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | | 1 | 21.2 | 71 |
| 03-05 | Y | 25 X 50 | 8 C | 1 | | | | | | 1 | | | EST. 28 PYRITE |
| | | 75 X 150 | 22 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | | 2 | 22.8 | 97 |
| 03-06 | N | 75 X 100 | 18 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | | 1 | 26.2 | 39 |
| 03-07 | N | 125 X 125 | 25 C | 1 | | | | | | 1 | | | |

GOLD CLASSIFICATION

=====

VISIBLE GOLD FROM SHAKING TABLE AND PANING

cord1.wrl

NUMBER OF GRAINS

TOTAL # OF PANNINGS 9

| SAMPLE # PANED | Y/N | DIAMETER | THICKNESS | ABRADED | | IRREGULAR | | DELICATE | | TOTAL | MAG | CALC V.G. | ASSAY |
|----------------|-----|----------|-----------|---------|---|-----------|---|----------|---|-------|-----|-----------|-------|
| | | | | T | P | T | P | T | P | | | | |

CBN-88

1 25.6 113

OLD CLASSIFICATION

.....

TABLE GOLD FROM SHAKING TABLE AND PANNING

| TOTAL # OF PANNINGS | | 13 | NUMBER OF GRAINS | | | | | | | | | | | | |
|---------------------|---|-----------------|------------------|-------|-----------|-------|----------|---|-------|---|------------|---|-----------|------|----------------|
| SAMPLE # PANNEO | | | ABRADED | | IRREGULAR | | DELICATE | | TOTAL | | NON MAG | | CALC V.G. | | |
| | | | ==== | ===== | ===== | ===== | T | P | T | P | T | P | GMS | PPB | REMARKS |
| CBN-88 | | | | | | | | | | | | | | | |
| 03-08 | Y | 50 X 50 | 50 | 10 C | | | 1 | | | | | 1 | | | EST. 18 PYRITE |
| | | 75 X 75 | 75 | 15 C | 2 | 1 | | | | | | 3 | | | |
| | | | | | | | | | | | | | 4 | 32.7 | 65 |
| 03-09 | Y | 50 X 50 | 50 | 10 C | | | 2 | | | | | 2 | | | EST. 26 PYRITE |
| | | 150 X 150 | 150 | 29 C | 1 | | | | | | | 1 | | | |
| | | 175 X 250 | 250 | 40 C | 1 | | | | | | | 1 | | | |
| | | | | | | | | | | | | | 4 | 30.8 | 614 |
| 03-10 | Y | 50 X 50 | 50 | 10 C | | | 1 | | | | | 1 | | | EST. 26 PYRITE |
| | | 75 X 75 | 75 | 15 C | 1 | 1 | | | | | | 2 | | | |
| | | 75 X 100 | 100 | 18 C | 1 | 1 | | | | | | 2 | | | |
| | | | | | | | | | | | | | 5 | 21.8 | 160 |
| 03-11 | N | 75 X 75 | 75 | 15 C | 1 | | | | | | | 1 | | | |
| | | | | | | | | | | | | | 1 | 20.7 | 31 |
| 03-12 | Y | 50 X 50 | 50 | 10 C | | | 1 | | | | | 1 | | | EST. 18 PYRITE |
| | | 50 X 75 | 75 | 13 C | 1 | | | | | | | 1 | | | |
| | | 75 X 100 | 100 | 18 C | | 1 | | | | | | 1 | | | |
| | | 100 X 125 | 125 | 22 C | 1 | | | | | | | 1 | | | |
| | | | | | | | | | | | | | 4 | 18.0 | 205 |
| 03-13 | Y | 25 X 50 | 50 | 8 C | | | 1 | | | | | 1 | | | EST. 18 PYRITE |
| | | 50 X 75 | 75 | 13 C | 1 | | | | | | | 1 | | | |
| | | 75 X 75 | 75 | 15 C | 1 | | | | | | | 1 | | | |
| | | | | | | | | | | | | | 3 | 17.4 | 63 |
| 03-14 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 03-15 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 03-16 | N | 50 X 50 | 50 | 10 C | 1 | | | | | | | 1 | | | |
| | | | | | | | | | | | | | 1 | 13.9 | 14 |
| 04-01 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 04-02 | Y | 50 X 75 | 75 | 13 C | 1 | | | | | | | 1 | 2 | | EST. 18 PYRITE |
| | | 100 X 150 | 150 | 25 C | 1 | | | | | | | 1 | | | |

CORDIALE

GOLD CLASSIFICATION

VISIBILE GOLD FROM SHAKING TABLE AND PANING

| 0052MAR.WR1 | | | NUMBER OF GRAINS | | | | | | | | CALC V.G. | | | |
|------------------------|---|-----------------|--|----------|-----------|---|---|---|---|---|-----------|-----|------------------------|---------|
| TOTAL # OF PANNINGS 13 | | | ABRADED IRREGULAR DELICATE TOTAL NON MAG | | | | | | | | ASSAY | | | |
| AMPLE # PANNE | | | Y/N | DIAMETER | THICKNESS | T | P | T | P | T | P | GMS | PPB | REMARKS |
| CBN-88 | | | | | | | | | | | | 3 | 19.6 | 186 |
| 05-01 | N | NO VISIBLE GOLD | | | | | | | | | | | | |
| 05-02 | N | NO VISIBLE GOLD | | | | | | | | | | | | |
| 05-03 | N | NO VISIBLE GOLD | | | | | | | | | | | | |
| 05-04 | Y | 50 X 100 | | 15 C | 1 | | | | | | | 1 | EST. 50 GRAINS PYRITE | |
| | | 100 X 125 | | 22 C | 1 | | | | | | | 1 | 50 GRAINS ARSENOPYRITE | |
| | | 100 X 225 | | 31 C | 1 | | | | | | | 1 | | |
| | | | | | | | | | | | | 3 | 19.8 | 656 |
| 05-05 | N | NO VISIBLE GOLD | | | | | | | | | | | | |
| 05-06 | Y | 50 X 100 | | 15 C | 1 | | | | | | | 1 | EST. 0.258 PYRITE | |
| | | 75 X 75 | | 15 C | 1 | | | | | | | 1 | | |
| | | 75 X 125 | | 20 C | 1 | | | | | | | 1 | | |
| | | | | | | | | | | | | 3 | 18.7 | 149 |
| 05-07 | N | NO VISIBLE GOLD | | | | | | | | | | | | |
| 05-08 | N | 75 X 75 | | 15 C | 1 | | | | | | | 1 | | |
| | | | | | | | | | | | | 1 | 20.7 | 31 |
| 05-09 | N | NO VISIBLE GOLD | | | | | | | | | | | | |
| 05-10 | N | 75 X 75 | | 15 C | 1 | | | | | | | 1 | | |
| | | | | | | | | | | | | 1 | 16.3 | 39 |
| 06-01 | N | NO VISIBLE GOLD | | | | | | | | | | | | |
| 06-02 | N | NO VISIBLE GOLD | | | | | | | | | | | | |
| 06-03 | N | NO VISIBLE GOLD | | | | | | | | | | | | |
| 06-04 | N | 100 X 175 | | 27 C | 1 | | | | | | | 1 | | |
| | | | | | | | | | | | | 1 | 24.3 | 157 |
| 06-05 | Y | 25 X 25 | | 5 C | 1 | | | | | | | 1 | EST. 20 GRAINS PYRITE | |
| | | 25 X 50 | | 8 C | 1 | | | | | | | 1 | 20 GRAINS ARSENOPYRITE | |
| | | 50 X 50 | | 10 C | 1 | | | | | | | 1 | | |

OLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

| OCB2MAP.WR1 | | | NUMBER OF GRAINS | | | | | | | | | | |
|------------------------|-----|-----------------|------------------|---------|---|-----------|---|----------|---|--------------|--------------------|------|-----------------------|
| TOTAL # OF PANNINGS 13 | | | | | | | | | | | | | |
| AMPLE # PANNEO | Y/N | DIAMETER | THICKNESS | ABRADED | | IRREGULAR | | DELICATE | | TOTAL GMS | CALC V.G. ASSAY | PPB | REMARKS |
| | | | | T | P | T | P | T | P | | | | |
| CBN-88 | | | | | | | | | | | | | |
| | | 100 X 150 | 25 C | 1 | | | | | | 1 | | | |
| | | 125 X 125 | 25 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | 5 | 32.1 | 190 | |
| 06-06 | N | 100 X 150 | 50 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | 1 | 28.4 | 1002 | |
| 06-07 | N | 100 X 125 | 22 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | 1 | 27.0 | 79 | |
| 06-08 | Y | 25 X 25 | 5 C | 2 | | | | | | 2 | | | EST. 10 GRAINS PYRITE |
| | | 50 X 75 | 13 C | 1 | | | | | | 1 | | | |
| | | 50 X 125 | 18 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | 4 | 26.5 | 54 | |
| 06-09 | N | NO VISIBLE GOLD | | | | | | | | | | | |
| 06-10 | Y | 25 X 50 | 8 C | | 1 | | | | | 1 | | | EST. 10 GRAINS PYRITE |
| | | 50 X 50 | 10 C | 1 | | | | | | 1 | | | |
| | | 50 X 125 | 18 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | 3 | 15.2 | 85 | |
| 06-11 | N | 50 X 75 | 13 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | 1 | 18.0 | 21 | |
| 06-12 | Y | 50 X 50 | 10 C | 1 | 1 | | | | | 2 | | | EST. 18 PYRITE |
| | | 50 X 75 | 13 C | 1 | 1 | | | | | 2 | | | |
| | | 100 X 100 | 20 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | 5 | 18.6 | 143 | |
| 07-01 | N | NO VISIBLE GOLD | | | | | | | | | | | |
| 07-02 | Y | 25 X 25 | 5 C | 2 | | | | | | 2 | | | EST. 18 PYRITE |
| | | 25 X 50 | 8 C | 2 | | | | | | 3 | | | |
| | | 50 X 50 | 10 C | 1 | | | | | | 1 | | | |
| | | 50 X 75 | 13 C | 2 | | | | | | 2 | | | |
| | | 75 X 75 | 15 C | 1 | | | | | | 1 | | | |
| | | 75 X 100 | 18 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | 10 | 18.4 | 157 | |

GOLD CLASSIFICATION

=====
VISIBLE GOLD FROM SHAKING TABLE AND PANNEING

COCB2MAR.WR1

TOTAL # OF FANNINGS 13

NUMBER OF GRAINS

SAMPLE # PANNEED

Y/N

DIAMETER

THICKNESS

ABRADED IRREGULAR DELICATE TOTAL NON
===== ====== ====== MAG

CALC V.G.

ASSAY

PPB REMARKS

CBN-8E

| | | | | | | | | |
|-------|---|---------|------|---|--|---|------|----|
| 08-01 | N | 50 X 75 | 13 C | 1 | | 1 | | |
| | | | | | | | 10.6 | 35 |
| | | | | | | | | |

| | | | | | | | | |
|-------|---|-----------|------|---|--|---|-----|-----|
| 08-02 | N | 100 X 125 | 22 C | 1 | | 1 | | |
| | | | | | | | 2.4 | 884 |
| | | | | | | | | |

N NO VISIBLE GOLD

| | | | | | | | | |
|-------|---|-----------|------|---|--|---|------|-----|
| 09-02 | N | 150 X 200 | 34 C | 1 | | 1 | | |
| | | | | | | | 19.5 | 397 |
| | | | | | | | | |

09-03 N NO VISIBLE GOLD

1.2 APPLICATION

2023-01-01

SILVER GOLD FROM SHAKING TABLE AND PANNING

ALL CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNEING

| SAMPLE # PANNED | Y/N | DIAMETER | THICKNESS | NUMBER OF GRAINS | | | | | CALC V.G. | ASSAY | REMARKS | | | |
|-----------------|-----|-----------------|-----------|------------------|---|-----------|---|----------|-----------|-------|-------------------|-----|--|--|
| | | | | ABRADED | | IRREGULAR | | DELICATE | | | | | | |
| | | | | T | P | T | P | T | P | | | | | |
| CBN-8E | | | | | | | | | | | | | | |
| 14-02 | N | NO VISIBLE GOLD | | | | | | | | | | | | |
| 14-03 | N | 75 X | 75 | 15 C | 1 | | | | | 1 | 15.9 | 40 | | |
| 14-04 | N | 150 X | 175 | 31 C | 1 | | | | | 1 | 18.7 | 333 | | |
| 14-05 | N | 75 X | 125 | 20 C | 1 | | | | | 1 | 18.5 | 81 | | |
| 14-06 | N | 75 X | 75 | 15 C | 1 | | | | | 1 | 19.4 | 33 | | |
| 14-07 | N | NO VISIBLE GOLD | | | | | | | | | | | | |
| 14-08 | N | NO VISIBLE GOLD | | | | | | | | | | | | |
| 14-09 | N | 75 X | 100 | 18 C | 1 | | | | | 1 | 15.5 | 65 | | |
| 14-10 | N | NO VISIBLE GOLD | | | | | | | | | | | | |
| 14-11 | N | 100 X | 200 | 29 C | 1 | | | | | 1 | 13.6 | 368 | | |
| 14-12 | Y | 50 X | 75 | 13 C | 1 | | | | | 1 | EST. 0.25% PYRITE | | | |
| | | 125 X | 125 | 25 C | 1 | | | | | 1 | | | | |
| | | | | | | | | | | 2 | 15.1 | 216 | | |
| 14-13 | N | NO VISIBLE GOLD | | | | | | | | | | | | |
| 14-14 | N | 25 X | 50 | 8 C | 1 | | | | | 1 | 16.6 | 5 | | |
| 14-15 | Y | 25 X | 50 | 8 C | 1 | | | | | 1 | NO SULPHIDES | | | |
| | | 75 X | 100 | 18 C | 1 | | | | | 1 | | | | |

Classification

TABLE GOLD FROM SHAKING TABLE AND PANNEING

| SAMPLE # OF PANNEYS | | NUMBER OF GRAINS | | | | | | | | | | |
|---------------------|----------|------------------|-----------|----------|-------|-----|-----------|---|-----|------|---------|--|
| | | ABRADED | IRREGULAR | DELICATE | TOTAL | NON | CALC V.G. | | | | | |
| SAMPLE # PANNEYS | | ===== | ===== | ===== | ===== | MAG | ASSAY | | | | | |
| Y/N | DIAMETER | THICKNESS | T | P | T | P | T | P | GMS | PPB | REMARKS | |
| CBN-8E | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 16-16 | N | NO VISIBLE GOLD | | | | | | | 2 | 12.1 | 90 | |
| 15-01 | N | NO VISIBLE GOLD | | | | | | | | | | |
| 15-02 | N | 75 X 75 | 15 C | | | 1 | | | 1 | | | |
| | | | | | | | | | 1 | 18.2 | 35 | |
| 15-03 | N | NO VISIBLE GOLD | | | | | | | | | | |
| 15-04 | N | NO VISIBLE GOLD | | | | | | | | | | |
| 15-05 | N | 100 X 175 | 27 C | 1 | | | | | 1 | | | |
| | | | | | | | | | 1 | 15.5 | 267 | |
| 15-06 | N | NO VISIBLE GOLD | | | | | | | | | | |
| 15-07 | N | NO VISIBLE GOLD | | | | | | | | | | |
| 15-08 | N | 75 X 100 | 18 C | 1 | | | | | 1 | | | |
| | | | | | | | | | 1 | 17.3 | 58 | |

CORDIALE

2.2 CLASSIFICATION

RECOVERABLE GOLD FROM SHAKING TABLE AND PANNING

| TOTAL # OF PANNINGS | | NUMBER OF GRAINS | | | | | | | | | | | |
|---------------------|---|------------------|----------|-----------|---|-----------|---|----------|---|-------|-----|-----------|---------|
| APPLE B PANNEO | | | | ABRADED | | IRREGULAR | | DELICATE | | TOTAL | | CALC V.G. | |
| | | Y/N | DIAMETER | THICKNESS | T | P | T | P | T | P | GMS | PPB | REMARKS |
| CEN-02 | | | | | | | | | | | | | |
| 15-09 | N | 50 X 50 | 10 C | 1 | | | | | | | 1 | | |
| | | | | | | | | | | | | 18.9 | 10 |
| 15-10 | N | NO VISIBLE GOLD | | | | | | | | | | | |
| 15-11 | N | 75 X 75 | 15 C | 1 | | | | | | | 1 | | |
| | | | | | | | | | | | | 16.4 | 39 |
| 16-01 | N | NO VISIBLE GOLD | | | | | | | | | | | |
| 16-02 | N | NO VISIBLE GOLD | | | | | | | | | | | |
| 16-03 | N | NO VISIBLE GOLD | | | | | | | | | | | |
| 16-04 | N | NO VISIBLE GOLD | | | | | | | | | | | |
| 16-05 | N | 50 X 50 | 10 C | 1 | | | | | | | 1 | | |
| | | | | | | | | | | | | 19.3 | 10 |
| 16-06 | Y | 50 X 50 | 10 C | 1 | | | | | | | 1 | | |
| | | 50 X 125 | 13 C | 1 | | | | | | | 1 | | |
| | | 100 X 100 | 20 C | 1 | | | | | | | 1 | | |
| | | | | | | | | | | | | 22.1 | 122 |
| 16-07 | N | NO VISIBLE GOLD | | | | | | | | | | | |
| 16-08 | N | NO VISIBLE GOLD | | | | | | | | | | | |
| 16-09 | Y | 50 X 50 | 10 C | 1 | | | | | | | 1 | | |
| | | 50 X 75 | 13 C | 1 | | | | | | | 1 | | |
| | | 75 X 125 | 20 C | 1 | | | | | | | 1 | | |
| | | | | | | | | | | | | 19.5 | 106 |
| 16-10 | Y | 50 X 50 | 10 C | 2 | | | | | | | 2 | | |
| | | 50 X 100 | 15 C | 1 | | | | | | | 1 | | |
| | | 75 X 75 | 15 C | 1 | | | | | | | 1 | | |
| | | 75 X 100 | 18 C | 1 | | | | | | | 1 | | |
| | | | | | | | | | | | | 19.5 | 137 |
| 16-11 | N | 125 X 250 | 36 C | 1 | | | | | | | 1 | | |

OLD CLASSIFICATION

WEELE GOLD FROM SHAKING TABLE AND PANNEING

| 0084MAR.WRI | | | NUMBER OF GRAINS | | | | | | | | | | | | |
|---------------------|---|-----------------|---|----------|-----------|---|---|---|---|---|-----------|-----|----------------|-----|---------|
| STAL # OF PANNEINGS | | | ABRADED IRREGULAR DELICATE TOTAL NON ===== ====== ====== MAG | | | | | | | | CALC.V.G. | | | | |
| APPLE # PANNEED | | | Y/N | DIAMETER | THICKNESS | T | P | T | P | T | P | GMS | ASSAY | PPB | REMARKS |
| CBN-88 | | | | | | | | | | | | | 1 18.4 | 514 | |
| 17-01 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 17-02 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 17-03 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 17-04 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 17-05 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 17-06 | N | 75 X 100 | | 18 C | 1 | | | | | | | 1 | | | |
| | | | | | | | | | | | | | 1 16.6 | 61 | |
| 17-07 | Y | 50 X 50 | | 10 C | 1 | | | | | | | 1 | | | |
| | | 50 X 75 | | 13 C | | 1 | | | | | | 1 | | | |
| | | 75 X 100 | | 13 C | | | 1 | | | | | 1 | | | |
| | | 100 X 175 | | 27 C | 1 | | | | | | | 1 | | | |
| | | | | | | | | | | | | | 4 20.0 | 270 | |
| 17-08 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 17-09 | N | 75 X 100 | | 18 C | 1 | | | | | | | 1 | | | |
| | | | | | | | | | | | | | 1 19.1 | 53 | |
| 17-10 | N | 75 X 75 | | 15 C | 1 | | | | | | | 1 | | | |
| | | | | | | | | | | | | | 1 20.9 | 31 | |
| 17-11 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 17-12 | N | 50 X 75 | | 13 C | 1 | | | | | | | 1 | | | |
| | | | | | | | | | | | | | 1 20.6 | 18 | |
| 17-13 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 17-14 | N | 100 X 100 | | 20 C | 1 | | | | | | | 1 | | | |
| | | | | | | | | | | | | | 1 20.1 | 75 | |
| 17-15 | Y | 50 X 50 | | 10 C | 1 | | | | | | | 1 | | | |
| | | 50 X 75 | | 13 C | | 1 | | | | | | 1 | | | |
| | | | | | | | | | | | | | EST. 28 PYRITE | | |

CORDIALE

REF ID: A6225

REF ID: A6225

TABLE GOLD FROM SHAKING TABLE AND PANNEING

| OCB&MAR.WR1 | | NUMBER OF GRAINS | | | | | | | | | | | | | |
|---------------------|----------|------------------|------|---------|---|-----------|---|----------|-----|-------|---------|---------|------|-----------|--|
| TOTAL # OF PANNINGS | | 10 | | ABRADED | | IRREGULAR | | DELICATE | | TOTAL | | NON MAG | | CALC Y.G. | |
| SAMPLE # PANNEO | | | | ===== | | ===== | | ===== | | ===== | | ===== | | ASSAY | |
| Y/N | DIAMETER | THICKNESS | T | P | T | F | T | P | GMS | PPB | REMARKS | | | | |
| CBN-82 | | | | | | | | | | | | | | | |
| | 75 X 100 | 18 C | 1 | | | | | | | | 1 | | | | |
| | 75 X 125 | 20 C | 1 | 1 | | | | | | | 2 | | | | |
| | | | | | | | | | | | | 5 | 20.2 | 227 | |
| 18-01 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 18-02 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 18-03 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 18-04 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 18-05 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 18-06 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 18-07 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 18-08 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 18-09 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 18-10 | N | 75 X 150 | 22 C | 1 | | | | | | | 1 | | | | |
| | | | | | | | | | | | | 1 | 15.3 | 139 | |
| 18-11 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 18-12 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 18-13 | N | NO VISIBLE GOLD | | | | | | | | | | | | | |
| 18-14 | Y | 25 X 50 | 8 C | | 1 | | 1 | | | | 2 | | | EST. 18 | |
| | | 50 X 50 | 10 C | 1 | 1 | | | | | | 2 | | | | |
| | | 100 X 125 | 22 C | 1 | | | | | | | 1 | | | | |
| | | | | | | | | | | | | 5 | 18.1 | 148 | |
| 18-15 | N | 50 X 50 | 10 C | | | 1 | | | | | 1 | | | | |
| | | | | | | | | | | | | 1 | 15.8 | 12 | |
| 18-16 | Y | 75 X 100 | 18 C | 1 | | | | | | | 1 | | | EST. 18 | |
| | | 100 X 125 | 22 C | 1 | | | | | | | 1 | | | | |
| | | 100 X 150 | 25 C | 1 | | | | | | | 1 | | | | |

OLD CLASSIFICATION

VISBLE GOLD FROM SHAKING TABLE AND PANING

1000MAD. WPI

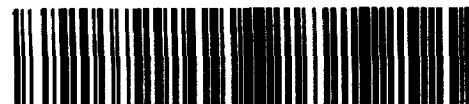
TOTAL # OF PANNINGS 10

NUMBER OF GRAINS

| AMPLE # FANNED | Y/N | DIAMETER | THICKNESS | ABRADED | | IRREGULAR | | DELICATE | | TOTAL # GRAINS | CALC V.G. ASSAY | PPB | REMARKS |
|----------------|-----|----------------|-----------|---------|---|-----------|---|----------|---|-------------------|--------------------|-----|------------------|
| | | | | T | P | T | P | T | P | | | | |
| CBN-88 | | | | | | | | | | | | | |
| 18-17 | N | 75 X 100 | 18 C | | | 1 | | | | 3 | 17.0 | 355 | |
| 18-18 | Y | 125 X 125 | 25 C | | | 1 | | | | 1 | 17.6 | 57 | |
| 18-19 | N | 75 X 75 | 15 C | 1 | | | | | | 1 | | | |
| 18-20 | N | NO VISBLE GOLD | | | | | | | | 1 | 23.6 | 27 | |
| 18-21 | Y | 25 X 25 | 5 C | 1 | | | | | | 1 | | | EST. 18 PYRITE |
| | | 75 X 100 | 18 C | | | 1 | | | | 1 | | | |
| | | 125 X 150 | 27 C | 1 | | | | | | 1 | | | |
| | | 125 X 225 | 36 C | 1 | | | | | | 1 | | | |
| | | | | | | | | | | 6 | 21.3 | 592 | |
| 18-22 | N | NO VISBLE GOLD | | | | | | | | | | | |
| 18-23 | N | NO VISBLE GOLD | | | | | | | | | | | |
| 18-24 | N | NO VISBLE GOLD | | | | | | | | | | | |
| 19-01 | N | NO VISBLE GOLD | | | | | | | | | | | |
| 19-02 | N | NO VISBLE GOLD | | | | | | | | | | | |
| 19-03 | Y | 25 X 75 | 10 C | 1 | | | | | | 1 | | | EST. 0.58 PYRITE |
| | | 50 X 75 | 13 C | 1 | 1 | | | | | 2 | | | |
| | | 75 X 100 | 18 C | 1 | | 1 | | | | 2 | | | |
| | | | | | | | | | | 5 | 16.7 | 177 | |



Ontario



42H08NW0039 2.11676 BRAGG

900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

November 14, 1988

Your file: W8808-391
Our file: 2.11676

Mining Recorder
Ministry of Northern Development and Mines
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE

NOV 25 1988

R E C E I V E D

Dear Sir:

Re: Overburden Drilling submitted under Section 77(19) of
the Mining Act R.S.O. 1980 on Mining Claims L 882642 et al
in the Townships of Bragg and Newman

The enclosed statement of assessment work credits for Overburden Drilling has been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

W.R. Cowan
Provincial Manager, Mining Lands
Mines & Minerals Division

A SH:p1
Enclosure (2)

cc: Resident Geologist
Kirkland Lake, Ontario

Casau Exploration Ltd.
Suite 704
850 West Hastings Street
Vancouver, B.C.
V6C 1E1
Attn: Mr. J.C. Stephen

Overburden Drilling Management
Suite 107
15 Capella Court
Nepean, Ontario
K2E 7X1



Ministry of
Northern Development
and Mines

Technical Assessment
Work Credits

File
2.11676

Date

November 14, 1988

Mining Recorder's Report of
Work No.
W8808-391

Recorded Holder

Casau Exploraiton Ltd.

Township or Area

Bragg and Newman Townships

| Type of survey and number of Assessment days credit per claim | Mining Claims Assessed |
|---|---|
| Geophysical | |
| Electromagnetic _____ days | |
| Magnetometer _____ days | \$73,866.00 SPENT ON OVERBURDEN DRILLING ON MINING CLAIMS: |
| Radiometric _____ days | |
| Induced polarization _____ days | L 877941-45-50-52-53 882642-43-46-48-52-54-55-57-67-68-69-70 |
| Other _____ days | |
| Section 77 (19) See "Mining Claims Assessed" column | |
| Geological _____ days | |
| Geochemical _____ days | |
| 5 ⁺ Man days <input type="checkbox"/> | Airborne <input type="checkbox"/> |
| Special provision <input type="checkbox"/> | Ground <input type="checkbox"/> |
| <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. | |
| <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant. | |
| 4,924 DAYS CREDIT ALLOWED WHICH MAY BE GROUPED IN ACCORDANCE WITH SECTION 76(6) OF THE MINING ACT R.S.O. 1980. | |

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey

insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.



Ministry of
Northern Development
and Mines

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

DOCUMENT NO.

W8808-37

- 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.

Type of Survey(s)

Reverse Circulation Drilling

Township or Area

Bragg-Newman

Claim Holder(s)

Casau Exploration Ltd.

Prospector's Licence No.

T4939

Address

704 - 850 West Hastings Street, Vancouver, B.C. V6C 1E1

Survey Company

Overburden Drilling Management

Date of Survey (from & to)

13 02 88 | 20 02 88

Total Miles of Line Cut

Name and Address of Author (of Geo-Technical report)

107-15 Capella Court, Nepean, Ontario, K2E 7X1

Credits Requested per Each Claim in Columns at right

Special Provisions

For first survey:

Enter 40 days. (This includes line cutting)

RECEIVED

For each additional survey:
using the same grid:

Enter 20 days (for each)

MINING LANDS SECTION

Man Days

Complete re-survey of LADON LAKE MINES SECTION and intersecting lines

Electromagnetic Magnetometer Radiometric Other

Geological Geochemical

RECEIVED SEP 7 1988

Airborne Credits

Note: Special provisions credits do not apply to Airborne Surveys.

Expenditures (excludes power stripping)

Type of Work Performed

Reverse Circulation Drilling

Performed on Claim(s)

877941, 877944, 8945, 950, 951, 952, 953

882642, 643, 646, 648, 652, 654, 655, 657, 667

Calculation of Expenditure Days Credits

668, 669, 670

Days Credits

Total Expenditures

\$ 73,866 + 15 = 4924 ✓

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. 29, 1988

Recorder Holder or Agent (Signature)

J.C. Stephen

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

J.C. Stephen Casau Exploration Ltd. 704-850 West Hastings St. Vancouver, B.C. V6C 1E1

Mining Claims Traversed (List in numerical sequence)

| Mining Claim | | Expend. Days Cr. | Mining Claim | Expend. Days Cr. |
|--------------|-----------|------------------|--------------|------------------|
| Prefix | Number | | Prefix | Number |
| L | Bragg Twp | | | Newman Twp |
| | 882642 | 60 - | | 832803 |
| | 882643 | 60 - | | 832804 |
| | 882644 | 60 - | | 832805 |
| | 882645 | 60 - | | 832806 |
| | 882646 | 60 - | | 832807 |
| | 882647 | 60 - | | 832808 |
| | 882648 | 60 - | | 832809 |
| | 882649 | 60 - | | 872941 |
| | 882650 | 60 - | | 877942 |
| | 882651 | 60 - | | 877943 |
| | 882652 | 60 - | | 877944 |
| | 882653 | 60 - | | 877945 |
| | 882654 | 60 - | | 877946 |
| | 882655 | 60 - | | 877947 |
| | 882656 | 60 - | | 877948 |
| | 882657 | 60 - | | 877949 |
| | 882662 | 60 - | | 877950 |
| | 882668 | 60 - | | 877951 |
| | 882669 | 60 - | | 877952 |
| | 882670 | 60 - | | 877953 |

Total number of mining claims covered by this report of work.

40

For Office Use Only

Total Days Cr./Date Recorded
RecordedOK Sept 1988 -
2400 ✓

Date Approved or Recorded

Mining Recorder

Branch Director

See Bursar Statement

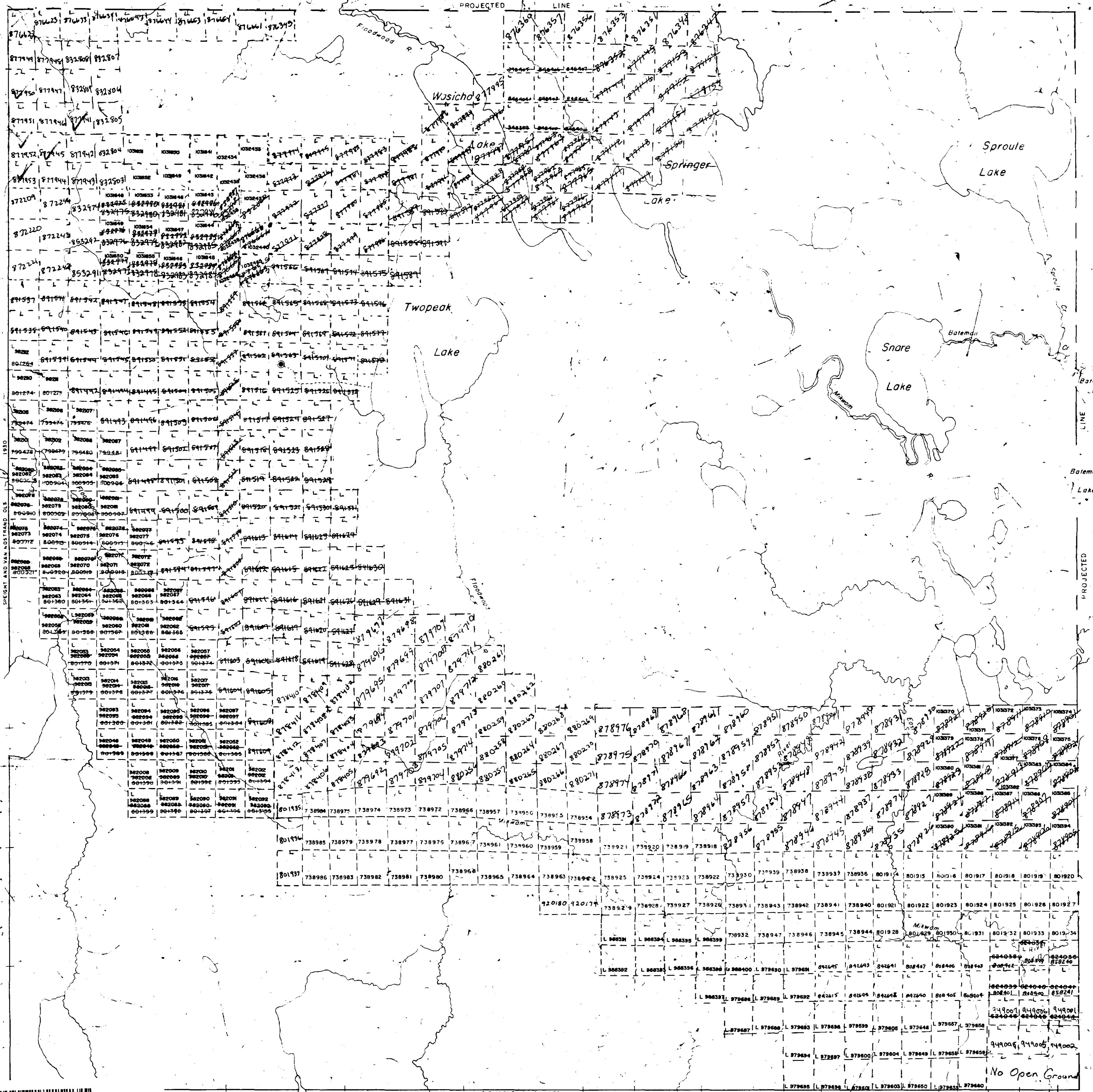
Date Certified

Aug. 29, 1988

Certified by J.C. Stephen

Blakelock Twp. (M.419)

Bragg Twp.(M.426)



Seguin Twp.(M. 587)

THE TOWNSHIP
OF
NEWMAN

**DISTRICT OF
COCHRANE**

LARDER LAKE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

- PATENTED LAND
CROWN LAND SALE
LEASES
LOCATED LAND
LICENSE OF OCCUPATION
MINING RIGHTS ONLY
SURFACE RIGHTS ONLY
ROADS
IMPROVED ROADS
KING'S HIGHWAYS
RAILWAYS
POWER LINES
MARSH OR MUSKEG,
MINES
CANCELLED

NOTES

00' Surface Rights Reservation Around All Lakes & Rivers.

AREAS WITHDRAWN FROM DISPOSITION

S.R. — SURFACE RIGHTS M.R. — MINING RIGHTS

| Description | Order No. | Date | Disposition | File |
|-------------|-----------|------|-------------|------|
|-------------|-----------|------|-------------|------|

DATE OF ISSUE

OCT 14 1968

LAWRENCE
KANSAS CITY'S OFFICE

PLAN NO.- M.556

ONTARIO

LEGEND

| | |
|--------------------------|--|
| HIGHWAY AND ROUTE No. | |
| OTHER ROADS | |
| TRAILS | |
| SURVEYED LINES: | |
| TOWNSHIPS, BASE LINES, | |
| LOTS, MINING CLAIMS, PA- | |
| UNSURVEYED LINES: | |
| LOT LINES | |
| PARCEL BOUNDARY | |
| MINING CLAIMS ETC. | |
| RAILWAY AND RIGHT OF W- | |
| UTILITY LINES | |
| NON-PERENNIAL STREAM | |
| FLOODING OR FLOODING R- | |
| SUBDIVISION OR COMPOSIT | |
| RESERVATIONS | |
| ORIGINAL SHORELINE | |
| MARSH OR MUSKEG | |
| MINES | |
| TRAVERSE MONUMENT | |

DISPOSITION OF CROWN LANDS

| <u>TYPE OF DOCUMENT</u> | <u>SYMBOL</u> |
|---------------------------------|-----------------------|
| PATENT, SURFACE & MINING RIGHTS | " SURFACE RIGHTS ONLY |
| " MINING RIGHTS ONLY | " |
| LEASE, SURFACE & MINING RIGHTS | " SURFACE RIGHTS ONLY |
| " MINING RIGHTS ONLY | " |
| LICENCE OF OCCUPATION | " |
| ORDER-IN-COUNCIL | " |
| RESERVATION | " |
| CANCELLED | " |
| AND & GRAVEL | " |

NOTICE OF FORESTRY ACTIVITY
THIS TOWNSHIP / AREA FALLS WITHIN THE
IROQUOIS FALLS MANAGEMENT UNIT
AND MAY BE SUBJECT TO FORESTRY OPERATIONS.
THE MNR UNIT FORESTER FOR THIS AREA CAN BE
CONTACTED AT 223-2222.

DATE OF ISSUE
JCT 14 1988

1:20,000

B R A G G

N.R. ADMINISTRATIVE DISTRICT

COCHRANE

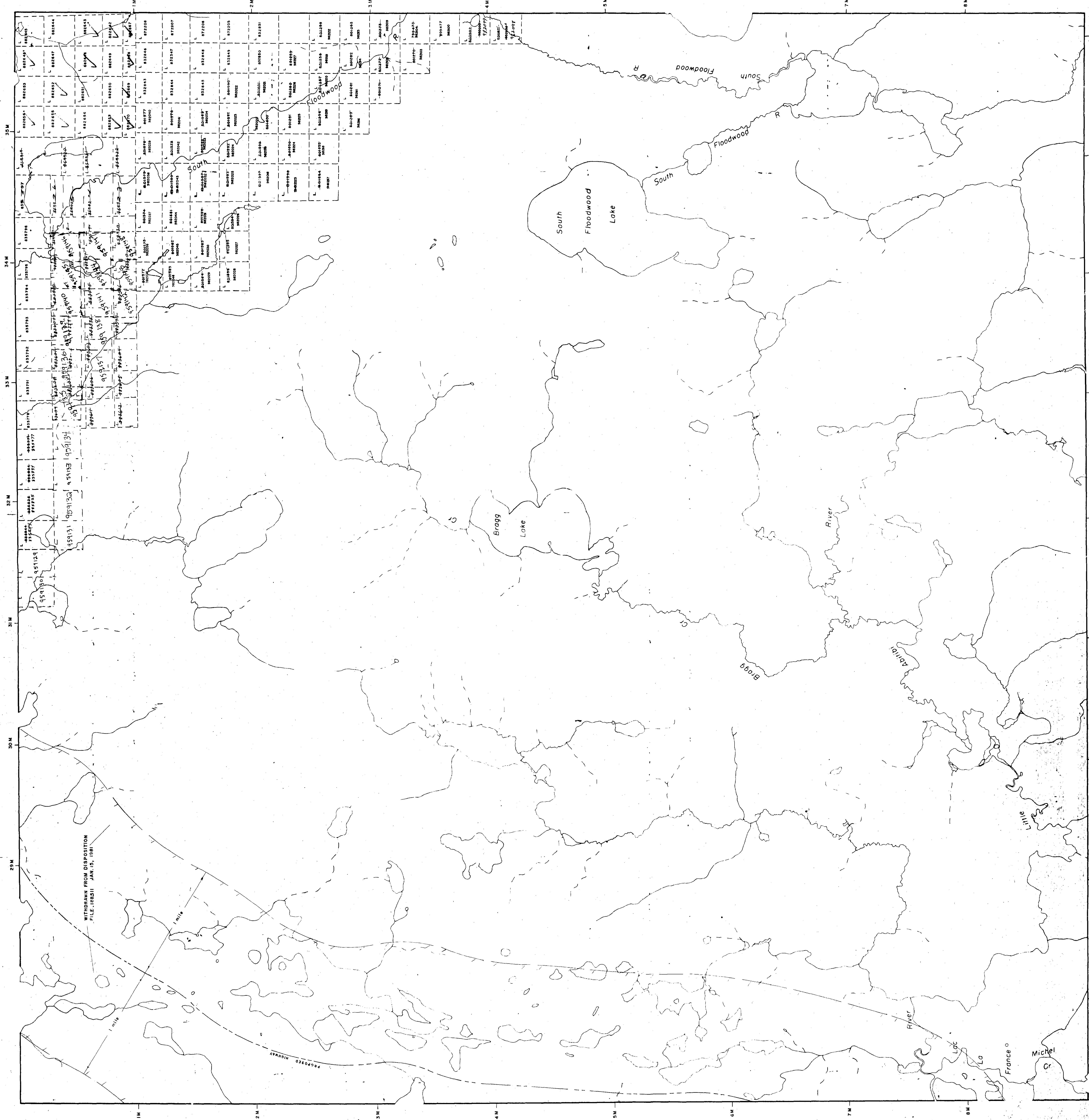
MINING DIVISION

ARDER LAKE

LAND TITLES / REGISTRY DIVISION

COCHRANE

Ministry of Natural Resources Branch
Land Management
Ontario



AREAS WITHDRAWN FROM DISPOSITION

| | Description | Order No. | Date | Disposition | File |
|-----------------------------------|-------------|-----------|------|-------------|------|
| M.R.O. - MINING RIGHTS ONLY | | | | | |
| S.R.O. - SURFACE RIGHTS ONLY | | | | | |
| M.+S. - MINING AND SURFACE RIGHTS | | | | | |



