



42A08SW0002 OP92-585 BENOIT

010

219 Howland Ave.  
Toronto, ON  
M5R 3B7  
416-925-1869

RE: OP92-585

DIAMOND DRILLING REPORT FOR THE BUTLER/ELEVEN PROPERTY

Location and Access

The Butler/Eleven property is in the District of Cochrane, Ontario in the Larder Lake Mining Division and is to the north of the Kirkland Lake-Larder Lake Gold Belt. The Butler/Eleven property is formed of three claims (1180910, 1180911, 1180912) which are in the northwest corner of Benoit Township in Lot 11, Concession IV, at approximately 80° Longitude and 48° 20' Latitude in NTS Area 42A/8.

Access to the property is along Highway 11 to Butler Lake Road South. The property is about 20 miles northwest of the town of Kirkland Lake.

General Geology

The property is located to the north of the Kirkland Lake-Larder Lake Fault Zone and to the south of the Destor-Porcupine Fault Zone. Both areas comprise historically gold-rich mining camps within the Abitibi Greenstone Belt of the Superior Structural Province of the Precambrian Shield. The Central Fault Block of the Kirkland Lake area (Jensen, 1985) lies to the west of the claims. The claims are located on the axis, near the 'nose' of the Black River Synclinorium. The area is primarily underlain by tholeiitic volcanics of the konojewis Group and calc-alkalic rocks of the Blake River on the east. The large synclinorium is also formed of younger Timiskaming Group rocks which outcrop to the south along the Kirkland Lake-Larder Lake Fault Zone and to the north along portions of the Destor-Porcupine Fault Zone. Bouguer Gravity by the Ontario Geological Survey confirms the presence of abundant sediments to the north and east of the claim group which may be the steeply dipping Porcupine Group mapped by Satterly. A syenitic intrusive occurs in the nose of the syncline in the west central portion of the claim group and may have acted as a 'heat' pump pushing mineralization ahead of it into the volcanics and possibly incorporating mineralization within itself in the process.

Lovell (1971) states "Gabbroic and granitic stocks intrude the 'nose' of the syncline in northern Black and Benoit Townships, where the strike of the volcanic strata and corresponding magnetic contours is distorted."

### Diamond Drilling

From previous geophysical work, a potential conductor and a zone of contact between the mafic metavolcanics and the granitic rocks were outlined. Previous geochemical work on humus and soils showed anomalous geochemical areas associated with this zone of contact. To test for possible conductor and to determine the potential of this zone of contact and the geochemical anomalies diamond drilling was undertaken at this location.

A diamond drillhole (BL 92-1) was placed in Claim 1180910 with a 60° south dip which encountered 30ft of overburden and was 394 ft in length. From 40 ft to 360.2 ft... the rock was a grey-black, dark recrystallized mafic metavolcanic with some quartz veins and calcite veins. Locally coarse pyrite was present and the unit was cut by granitic veinlets and stringers. There are occasional quartz/carbonate veinlets and upto 20-30% subhedral pyrite. From 360.2 - 366.2 a porphyry dyke is encountered and from 366.2 - 394ft the recrystallized mafic metavolcanic continues as above. The hole ends at 394 ft.

### Results

Sample #950 returned assays of 785ppb Au and 190 ppm Cu.

Sample #948 returned assays of 82 ppb Au and 171ppm Cu.

Sample #903 returned assays of 79 ppb Au and a check gave the new assay of 134ppb Au.

Sample #917 returned assays of 248 ppm Cu.

Several samples had between 100 and 200 ppm Cu.

The geochemical technique was FA/AA.

### Recommendation:

Since the rock encountered was the mafic metavolcanic and, except for stringers and veinlets, the drilling did not encounter the granitic rocks, it is felt that another diamond drillhole farther south or southwest might encounter the zone of contact which may be associated with a suggested conductor. So future drilling is proposed on the claims.

Respectfully Submitted,

  
Jeanette Lourim.

## REFERENCES

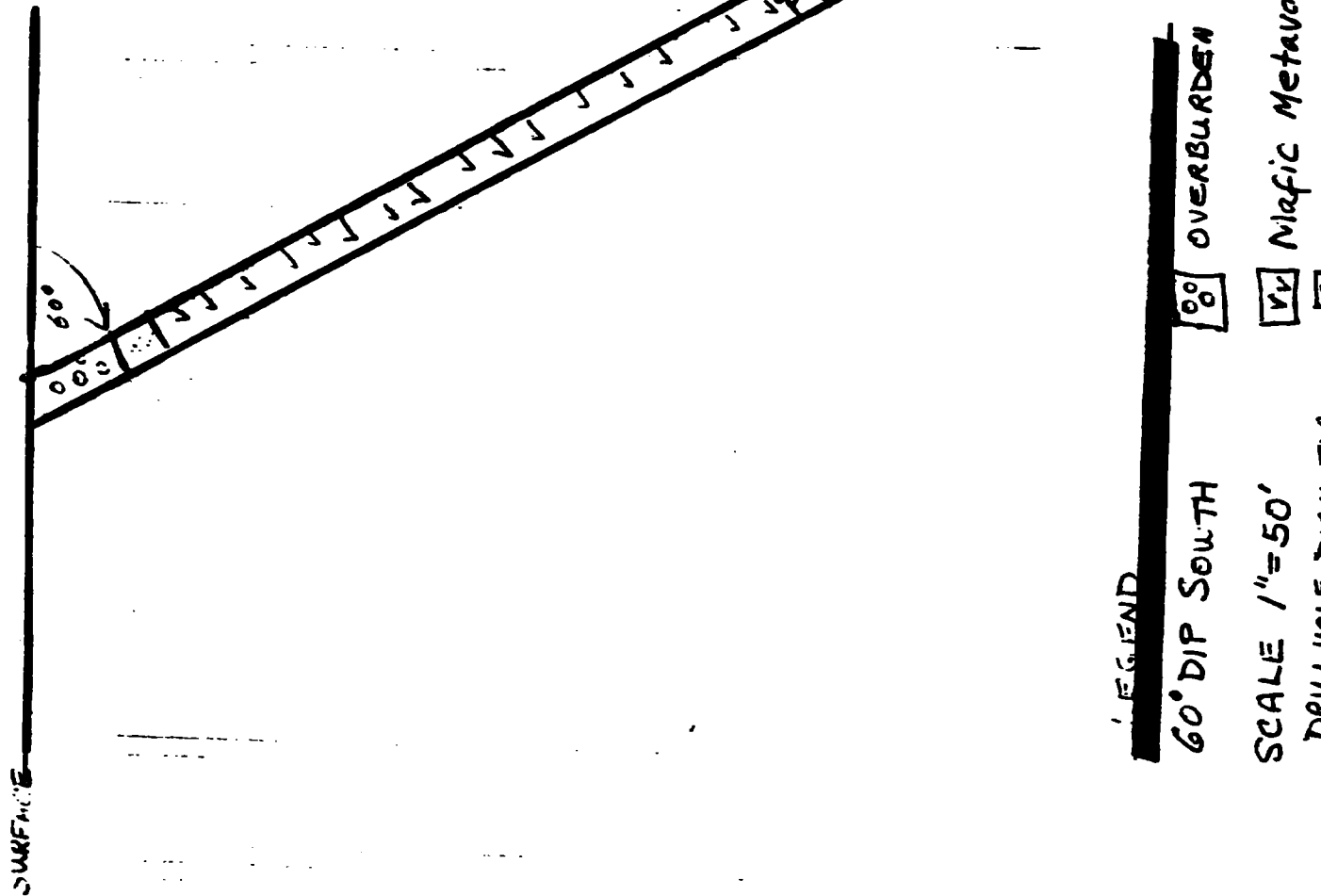
Jensen, L.S. and Langford, F.F.

1985: Geology and Petrogenesis of the Archean Abitibi Belt  
in the Kirkland Lake Area, Ontario. O.G.S. MP-123.

Lovell, H.L.

1971: Geology of the Bourkes Area, District of Timiskaming.  
ODMNA G.R.92. Three Maps.

DIAMOND DRILL HOLE  
# BL 92-01  
CLAIM 1180910



LEGEND

60° DIP SOUTH

SCALE 1"=50'

DRILL HOLE DIAMETER  
NOT TO SCALE

OVERBURDEN

Mafic Metavolcanics

felspar porphyro Dyke

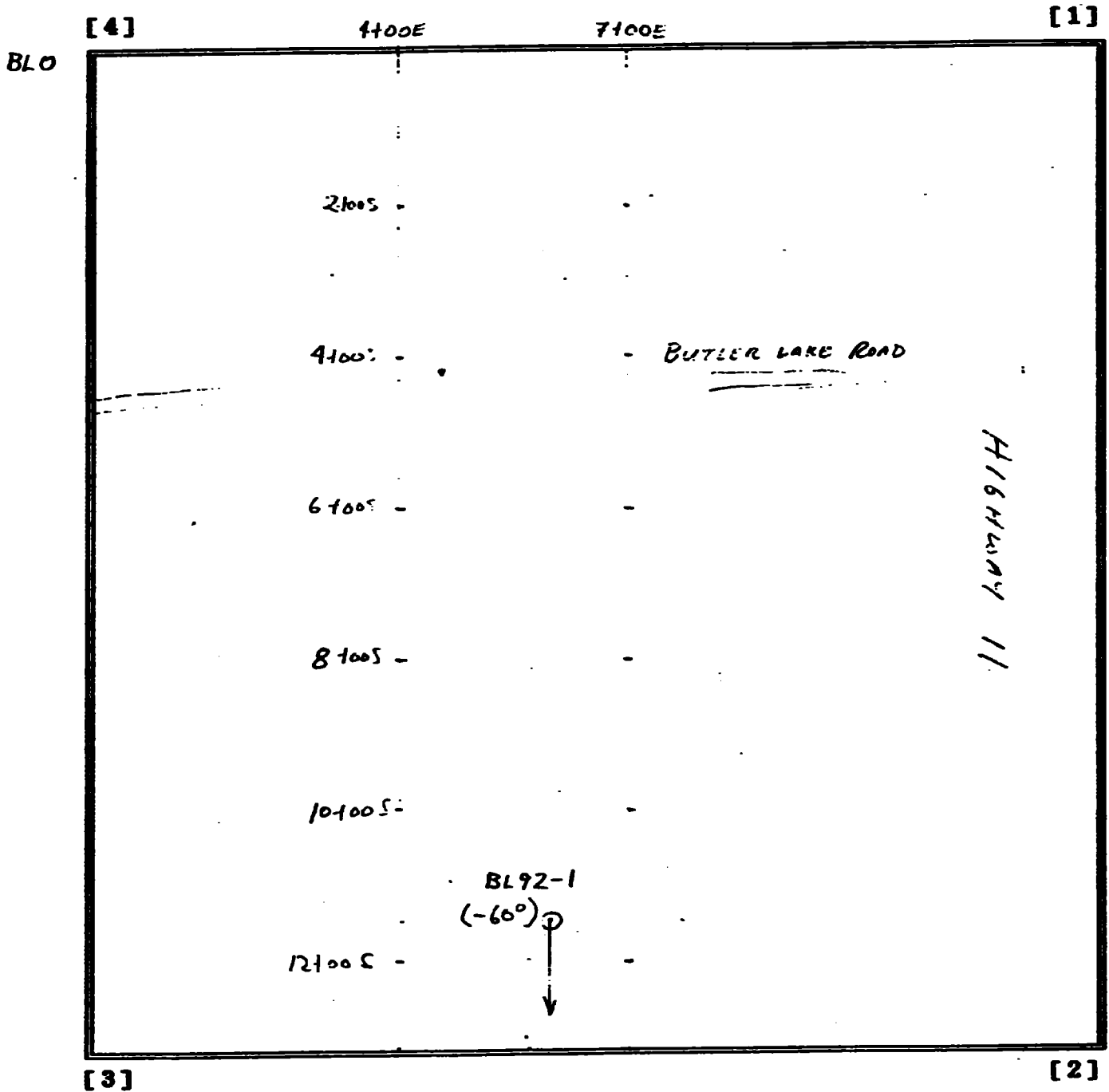
BROKEN ROCK

GRANITE VENELET

OP 92-585

CLAIM NUMBER: 1180910

TOWNSHIP: Benoit



SCALE: 1" = 200'



Established 1988

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Page 1 of 2

## Geochemical Analysis Certificate

3W-1368-RG1

Company: **J. LOURIM**Date: **JAN-25-93**

Project:

Copy 1. 219 Howland Ave. Toronto M5R 3B7

Attn:

We hereby certify the following Geochemical Analysis of 45 core samples submitted JAN-21-93 by J. Lourim.

| Sample Number | Au PPB | Au Check PPB | Ag PPM | Zn PPM |
|---------------|--------|--------------|--------|--------|
| 8011 93-29    | NIL    |              |        |        |
| 8012 93-30    | 7      |              |        |        |
| 8013 93-31    | NIL    | NIL          |        |        |
| 8014 93-32    | NIL    |              |        |        |
| 8015 93-33    | NIL    |              |        |        |
| 8016 93-34    | NIL    |              |        |        |
| 8017 93-35    | NIL    |              |        |        |
| 8018 93-36    | NIL    |              |        |        |
| 8019 93-37    | 10     |              |        | 57     |
| 8020 93-38    | 7      |              |        | 40     |
| 8021 93-39    | NIL    |              |        | 51     |
| 8022 93-40    | 17     |              |        | 58     |
| 8023 93-41    | 27     |              |        |        |
| 8024 93-42    | 21     |              |        |        |
| 8025 93-43    | 10     |              |        |        |
| 8026 93-44    | 14     | 10           |        |        |
| 8027 93-01    | NIL    |              |        |        |
| 8028 93-02    | NIL    |              |        |        |
| 8029 93-03    | NIL    |              |        |        |
| 8030 93-04    | 7      |              |        |        |
| 8031 93-05    | NIL    |              |        |        |
| 8032 93-06    | NIL    |              |        |        |
| 8033 93-07    | 3      |              |        |        |
| 8034 93-08    | 3      |              |        |        |
| 8035 93-09    | NIL    |              |        |        |
| 8036 93-10    | NIL    |              |        |        |
| 8037 93-11    | NIL    |              |        |        |
| 8038 93-12    | NIL    | 3            |        |        |
| 8039 93-13    | 3      |              |        |        |
| 8040 93-14    | NIL    |              |        |        |

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300



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Page 2 of 2

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Attn:

Date: **JAN-25-93**

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We hereby certify the following Geochemical Analysis of 45 core samples submitted JAN-21-93 by J. Lourim.

| Sample Number | Au<br>PPB | Au Check<br>PPB | Ag<br>PPM | Zn<br>PPM |
|---------------|-----------|-----------------|-----------|-----------|
| 8041 93-15    | NIL       |                 |           |           |
| 8042 93-16    | NIL       | NIL             |           |           |
| 8043 93-17    | NIL       |                 |           |           |
| 8044 93-18    | 3         |                 |           |           |
| 8045 93-19    | 3         |                 |           |           |
| 8046 93-20    | NIL       |                 |           |           |
| 8047 93-21    | NIL       |                 |           |           |
| 8048 93-22    | NIL       |                 |           | 53        |
| 8049 93-23    | 7         |                 | 0.1       | 44        |
| 8050 93-24    | 55        |                 |           |           |
| 8051 93-25    | 3         | 7               |           |           |
| 8052 93-26    | NIL       |                 |           |           |
| 8053 93-27    | NIL       |                 |           |           |
| 8054 93-28    | NIL       |                 |           |           |
| 8055 93-45    | NIL       |                 |           |           |

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Page 1 of 2

## Geochemical Analysis Certificate

2W-1215-RG1

Company: **J. Lourim**  
Project: **Butler 11**  
Attn: **Ms. Jeanette Lourim**

Date: **DEC-14-92**  
Copy 1. 219 Howland Ave Toronto M5R 3B7  
2. fax to 416-599-3779

We hereby certify the following Geochemical Analysis of 61 core samples submitted DEC-07-92 by .

| Sample Number | Au PPB | Au Check PPB | Cu PPM | Ni PPM | Zn PPM | Pd PPB |
|---------------|--------|--------------|--------|--------|--------|--------|
| 901           | 7      |              | 138    | 20     | 28     | 0      |
| 902           | 3      |              | 42     | 24     | 58     | 0      |
| 903           | 79     | 134          | 73     | 33     | 105    | 0      |
| 904           | NIL    |              | 75     | 20     | 33     | 0      |
| 905           | 3      |              | 40     | 17     | 35     | 0      |
| 906           | 17     |              | 109    | 23     | 137    | 0      |
| 907           | NIL    |              | 63     | 16     | 33     | 0      |
| 908           | 3      |              | 100    | 19     | 61     | 0      |
| 909           | 10     |              | 87     | 23     | 70     | 0      |
| 910           | 41     |              | 37     | 11     | 49     | 0      |
| 911           | 7      |              | 44     | 21     | 68     | 0      |
| 912           | NIL    |              | 28     | 19     | 31     | 0      |
| 913           | NIL    |              | 45     | 12     | 42     | 0      |
| 914           | 10     |              | 62     | 13     | 32     | 0      |
| 915           | NIL    |              | 77     | 22     | 55     | 0      |
| 916           | 3      |              | 51     | 10     | 33     | 0      |
| 917           | 3      |              | 248    | 16     | 69     | 0      |
| 918           | NIL    |              | 22     | 15     | 46     | 0      |
| 919           | 3      |              | 23     | 11     | 42     | 0      |
| 920           | NIL    |              | 14     | 16     | 56     | 0      |
| 921           | NIL    |              | 13     | 10     | 50     | 0      |
| 922           | 3      | 3            | 27     | 14     | 32     | 0      |
| 923           | 3      |              | 25     | 9      | 33     | 0      |
| 924           | NIL    |              | 37     | 13     | 39     | 0      |
| 925           | 3      |              | 38     | 12     | 76     | 0      |
| 926           | NIL    |              | 25     | 16     | 37     | 0      |
| 927           | 3      |              | 34     | 18     | 45     | 0      |
| 928           | NIL    |              | 29     | 13     | 32     | 0      |
| 929           | NIL    |              | 29     | 17     | 42     | 0      |
| 930           | NIL    |              | 45     | 22     | 36     | 0      |

Certified by 

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## Geochemical Analysis Certificate

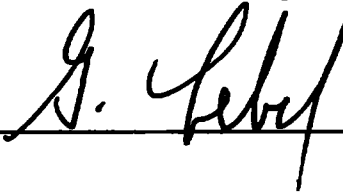
2W-1215-RG1

Company: **J. Lourim**  
Project: **Butler 11**  
Attn: **Ms. Jeanette Lourim**

Date: **DEC-14-92**  
Copy 1. 219 Howland Ave Toronto M5R 3B7  
2. fax to 416-599-3779

We hereby certify the following Geochemical Analysis of 61 core samples submitted DEC-07-92 by .

| Sample Number | Au PPB | Au Check PPB | Cu PPM | Ni PPM | Zn PPM | Pd PPB |
|---------------|--------|--------------|--------|--------|--------|--------|
| 931           | NIL    |              | 30     | 14     | 43     | 0      |
| 932           | 7      |              | 96     | 14     | 32     | 0      |
| 933           | NIL    |              | 37     | 19     | 60     | 0      |
| 934           | NIL    | NIL          | 39     | 20     | 41     | 0      |
| 935           | 3      |              | 58     | 23     | 35     | 0      |
| 936           | NIL    |              | 71     | 22     | 49     | 0      |
| 937           | NIL    |              | 132    | 21     | 31     | 0      |
| 938           | 3      |              | 120    | 20     | 34     | 0      |
| 939           | 3      |              | 169    | 22     | 25     | 0      |
| 940           | NIL    |              | 197    | 36     | 51     | 0      |
| 941           | NIL    |              | 165    | 24     | 31     | 0      |
| 942           | 3      |              | 131    | 23     | 19     | 0      |
| 943           | 3      |              | 142    | 23     | 40     | 0      |
| 944           | 3      |              | 126    | 22     | 32     | 0      |
| 945           | NIL    |              | 79     | 21     | 30     | 0      |
| 946           | NIL    |              | 31     | 17     | 23     | 0      |
| 947           | 3      |              | 40     | 16     | 17     | 0      |
| 948           | 82     |              | 171    | 29     | 31     | 0      |
| 949           | 3      |              | 82     | 20     | 23     | 0      |
| 950           | 785    | 761          | 190    | 44     | 83     | 0      |
| 951           | 7      |              | 195    | 35     | 40     | 0      |
| 952           | 14     |              | 141    | 29     | 44     | 0      |
| 953           | 3      |              | 89     | 27     | 28     | 0      |
| 954           | 3      |              | 126    | 25     | 36     | 0      |
| 955           | NIL    |              | 57     | 16     | 37     | 0      |
| 956           | 10     |              | 146    | 28     | 47     | 0      |
| 957           | NIL    |              | 178    | 36     | 35     | 0      |
| 958           | NIL    |              | 78     | 23     | 38     | 0      |
| 959           | 14     |              | 200    | 33     | 37     | 0      |
| 960           | 3      |              | 173    | 26     | 30     | 0      |
| 961           | NIL    |              | 62     | 24     | 25     | 0      |

Certified by 

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J. LOURIM

PO-1215-001

Laboratoires TSL/ASSAYERS Laboratories

780 AV. DU CUIVRE C.P. 665 BOUYA-MOUMBA QUEREQ 99X 506  
PHONE #: 819-797-6653 FAX #: 819-797-4501

I.C.A.P. PLASMA SCAN

Aqua-Regia digestion

REPORT No. : T2266  
Page No. : 1 of 1  
File No. : DE17M  
Date : DEC-24-1992

| SAMPLE # | Al   | Fe   | Co   | Mg   | Mn   | Ti  | P   | Ca | Cr  | Sr | Cu  | Ni | Pb  | Zn | V  | Br | Co   | Mo   | Ag   | Cd   | Be   | B    | Sb   | Y    | Sc   | W    | As   | Ni   | Sn |
|----------|------|------|------|------|------|-----|-----|----|-----|----|-----|----|-----|----|----|----|------|------|------|------|------|------|------|------|------|------|------|------|----|
| 8906     | 1.41 | 5.09 | 1.04 | 1.04 | 0.11 | 702 | 480 | 98 | 85  | 22 | 63  | 15 | 209 | 7  | 24 | 2  | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |    |
| 8950     | 2.17 | 6.61 | 0.43 | 1.45 | 0.07 | 329 | 258 | 30 | 143 | 35 | 21  | 59 | 214 | 15 | 37 | 70 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |    |
| 8959     | 1.04 | 4.31 | 0.97 | 0.62 | 0.06 | 546 | 216 | 48 | 153 | 30 | 113 | 27 | 157 | 7  | 23 | 4  | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 |    |

A 5 gm sample is digested with 2 ml of 311 HCl/mno3  
at 95 C for 90 min and diluted to 10 ml with DI H2O  
This method is partial for many oxide materials

TSL/92

SIGNED : *Alf...*

## ICP MULTI ELEMENT PACKAGE

This analytical packages uses an aqua regia digestion that liberates most of the metals except those marked with an asterisk where the digestion will not be complete.

|     |       |        |
|-----|-------|--------|
| Ag  | ..... | 1 ppm  |
| *Al | ..... | 10 ppm |
| As  | ..... | 5 ppm  |
| *B  | ..... | 10 ppm |
| *Ba | ..... | 1 ppm  |
| *Be | ..... | 1 ppm  |
| Bi  | ..... | 5 ppm  |
| *Ca | ..... | 20 ppm |
| Cd  | ..... | 1 ppm  |
| *Co | ..... | 1 ppm  |
| *Cr | ..... | 1 ppm  |
| Cu  | ..... | 1 ppm  |
| *Fe | ..... | 10 ppm |
| *K  | ..... | 10 ppm |
| *Mg | ..... | 10 ppm |
| *Mn | ..... | 1 ppm  |
| Mo  | ..... | 2 ppm  |
| *Na | ..... | 10 ppm |
| *Ni | ..... | 1 ppm  |
| *P  | ..... | 2 ppm  |
| Pb  | ..... | 2 ppm  |
| Sb  | ..... | 5 ppm  |
| *Sc | ..... | 1 ppm  |
| *Sn | ..... | 10 ppm |
| *Sr | ..... | 1 ppm  |
| *Ti | ..... | 1 ppm  |
| *V  | ..... | 1 ppm  |
| *W  | ..... | 10 ppm |
| *Y  | ..... | 1 ppm  |
| *Zn | ..... | 1 ppm  |



**NOTICE OF FORESTRY ACTIVITY**

THE TOWNSHIP OF BENOIT HAS BEEN DESIGNATED AS A FORESTRY ACTIVITY AREA BY THE FORESTRY ACT AND REGULATIONS.

THE TOWNSHIP

OF

**BENOIT**

DISTRICT OF  
COCHRANE

LARDER LAKE  
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

**LEGEND**

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND

of the Mining Act (R.S.O. 1990, c. 27)

DATE OF ISSUE

USD 8 1992

LARDER LAKE  
MINING DIVISION'S OFFICE

PLAN NO. M. 326#10

# DIAMOND DRILL RECORD

NO TESTS TAKEN

HOLE NO. BL92-1 SHEET NO. 1 of 5

REMARKS Didn't start sinking  
Carry unit, 15pm Dec 8/92 due  
to accidental death of drill  
on Dec 3/92 requiring obtaining new  
over

LOGGED BY Allen J. Wilk, P. Eng.  
Terraviva, Ontario

NAME OF PROPERTY SOUTH BUTLER LAKE ROAD, BENTON TWP., ONT.  
 HOLE NO. BL92-1 LENGTH 394.5 FT.  
 LOCATION L6+00E - 1150S  
 LATITUDE \_\_\_\_\_ DEPARTURE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ AZIMUTH 180° DIP -60°  
 STARTED Dec. 2, 1992 FINISHED Dec. 6/92 5:30 PM

| FOOTAGE | DIP | AZIMUTH | FOOTAGE | DIP | AZIMUTH |
|---------|-----|---------|---------|-----|---------|
|         |     |         |         |     |         |
|         |     |         |         |     |         |
|         |     |         |         |     |         |
|         |     |         |         |     |         |

LOG: J. LOUREIM, TORONTO, ONT.

| FOOTAGE FROM TO | DESCRIPTION | SAMPLE |      |      |    | ASSAYS |   |   |        |
|-----------------|-------------|--------|------|------|----|--------|---|---|--------|
|                 |             | NO.    | SIDE | FROM | TO | TOTAL  | S | S | OZ/TON |

40.0 3662 RECRYSTALLIZED MAFIC METAVOLCANIC(?):  
 - dark grey-black on fresh, dry surface  
 - medium-grained, hard (celliferous)  
 - equigranular, massive  
 - 50% medium to coarse grained, subhedral phenocrysts of white feldspar  
 - 50% fine to medium grained, subhedral black pyroxene(?)  
 - moderate to strong magnetism throughout the section  
 - trace finely disseminated, anhedral pyrite  
 - this unit appears to be a recrystallized diabasic texture  
 - 50.2-50.35 grey & white quartz veins @ ~45° to core axis. One 1/4" quartz vein has 5-10% subhedral pyrite; veins have strong reaction to HCl acid.  
 - 54.0-59.5' is one fracture with 1-2% pyrite @ 54.3'

0.0 30.0 OVERBURDEN:  
 - 60.9-62.3' are several 1mm carbonate bearing fractures. ... on core axis

| NO.   | SIDE | FROM    | TO      | TOTAL | S | S | OZ/TON | OZ/TON |
|-------|------|---------|---------|-------|---|---|--------|--------|
| 901   | L1%  | 30.0    | 35.0    | 5.0   |   |   |        | 4      |
| 902   | L1%  | 45.0    | 50.0    | 5.0   |   |   |        | 3      |
| 903   | L-2  | 50.1    | 50.6    | 0.5   |   |   |        | 79     |
| 904   | L-1  | 54.0    | 59.5    | 5.5   |   |   |        | 0.0    |
| 905   | L1   | 55.0    | 60.0    | 5.0   |   |   |        | 2      |
| 906   | L-5  | 60.9    | 62.3    | 1.4   |   |   |        | 17     |
| 93-01 | L1%  | 40.0    | 41.0    | 1.0   |   |   |        | 0.0    |
| 93-02 | L5%  | 44.5    | 45.0    | 0.5   |   |   |        | 0.0    |
| 93-05 | R    | 64.5    | 64.8    | 3"    |   |   |        | 0.0    |
| 93-04 | R    | 65.5    | 65.9    | 4"    |   |   |        | 2      |
| 93-05 | L1%  | 75.0    | 75.5    | 0.5   |   |   |        | 0.0    |
| 93-06 | R    | 84.0    | 84.5    | 0.5   |   |   |        | 0.0    |
| 93-07 | L-2% | 94.0    | 94.5    | 0.5   |   |   |        | 3      |
| 93-08 | L-2% | 103.5"  | 103.8"  | 0.3   |   |   |        | 3      |
| 93-09 | R    | 115.10" | 116.4"  | 0.5   |   |   |        | 0.0    |
| 93-10 | L1%  | 123'    | 123.6"  | 0.5   |   |   |        | 0.0    |
| 93-11 | L1%  | 122.5'  | 123'    | 0.5   |   |   |        | 0.0    |
| 93-12 | L-2% | 132.7"  | 133.4"  | 0.7   |   |   |        | 0.0    |
| 93-13 | R    | 145.5"  | 145.10" | 5"    |   |   |        | 3      |
| 93-14 | L1%  | 152.11" | 153.4"  | 5"    |   |   |        | 0.0    |

# DIAMOND DRILL RECORD

Benoil Twp., Ont.

NAME OF PROPERTY: SOUTH BUTLER LAKE ROAD

HOLE NO. BL 92-1

SHEET NO. 2 of 5

| FOOTAGE<br>FROM TO | DESCRIPTION  | NO. | % SULPH<br>100g | SAMPLE |       |       | ASSAYS |   |        |        |      |  |
|--------------------|--|-----|-----------------|--------|-------|-------|--------|---|--------|--------|------|--|
|                    |  |     |                 | FROM   | TO    | TOTAL | %      | % | 02/TON | 01/TON | GRAV |  |
| 62.5 to 68.0       | 15 irregular 1-1 1/2" wide Pegmatite vein, salmon pink, quartz granular, coarse-grained.                     | 907 | < 1             | 65.0   | 70.0  | 5.0   |        |   |        |        | 0.0  |  |
| 77.8-78.8          | 15 2-1/2" quartz-carb. veins with 10-20% subhedral pyrite (one @ 45° to core axis; other @ 30° to core axis) | 908 | 1               | 71.2   | 73.1  | 1.9   |        |   |        |        | 3    |  |
|                    |  | 909 | 1-2             | 77.8   | 78.8  | 1.0   |        |   |        |        | 10   |  |
|                    |  | 910 | < 1             | 78.8   | 82.8  | 4.0   |        |   |        |        | 41   |  |
|                    |  | 911 | 1-2             | 87.8   | 89.7  | 1.9   |        |   |        |        | 7    |  |
| 87.8-89.7          | 15 3" section @ 88.8' with 3-5% subhedral, 1-4 mm diam. pyrite   | 912 | < 1             | 89.7   | 92.6  | 2.9   |        |   |        |        | 0.0  |  |
|                    |  | 913 | < 1             | 97.0   | 102.0 | 5.0   |        |   |        |        | 0.0  |  |
| 108.3-109.4        | 15 @ an 1/8" wide quartz-carb. vein with 30-40% subhedral pyrite @ 50° to core axis                          | 914 | < 1             | 106.7  | 108.3 | 1.6   |        |   |        |        | 10   |  |
|                    |  | 915 | 1-2             | 108.3  | 109.4 | 1.1   |        |   |        |        | 0.0  |  |
|                    |  | 916 | < 1             | 109.4  | 111.6 | 2.2   |        |   |        |        | 3    |  |
|                    |  | 917 | < 1             | 113.6  | 114.6 | 1.0   |        |   |        |        | 3    |  |
| 113.6-114.6        | 15 is a 1/2" quartz-carb. vein @ 20° to core axis @ 114.1'   | 918 | < 1             | 115.8  | 120.8 | 5.0   |        |   |        |        | 0.0  |  |
|                    | 114.1 are 2-3 1/4" blebs of chalcopyrite with 5% subhedral pyrite  | 919 | < 1             | 130.0  | 135.0 | 5.0   |        |   |        |        | 3    |  |
|                    |  | 920 | < 1             | 137.5  | 144.5 | 5.0   |        |   |        |        | 0.0  |  |
| 148.5-151.0        | 15 are 2 1/8" quartz-carb. veins with 20-30% subhedral pyrite  | 921 | 1-2             | 148.5  | 151.0 | 2.5   |        |   |        |        | 0.0  |  |
|                    |  | 922 | 1               | 153.5  | 154.5 | 1.0   |        |   |        |        | 3    |  |
| 153.5-154.5        | 1 are 2 1/8" quartz-carb. veins with 20-30% subhedral pyrite   | 923 | < 1             | 154.5  | 155.5 | 1.0   |        |   |        |        | 3    |  |
|                    |  | 924 | < 1             | 155.5  | 156.0 | 1.0   |        |   |        |        | 0.0  |  |
| 156.0-157.5        | 15 are 1/8" diam. subhedral pyrite 5-10% from 156.5 to 157.0'  | 925 | 1-2             | 156.0  | 157.5 | 1.5   |        |   |        |        | 3    |  |
|                    |  | 926 | < 1             | 162.0  | 174.6 | 5.0   |        |   |        |        | 0.0  |  |
|                    |  | 927 | < 1             | 172.4  | 174.4 | 5.0   |        |   |        |        | 3    |  |

# DIAMOND DRILL RECORD

NAME OF PROPERTY SOUTH BURNETT LIME WORKS  
BEAULIE TWP., ONTARIO  
 HOLE NO. B292-1 SHEET NO. 3 of 5

| FOOTAGE<br>FROM<br>TO  | DESCRIPTION   | SAMPLE        |           |               |          | ASSAYS |   |         |         |     |
|--|---|---------------|-----------|---------------|----------|--------|---|---------|---------|-----|
|  |   | NO.<br>INCHES | FROM      | FOOTAGE<br>TO | TOTAL    | %      | % | oz./TON | oz./TON | PPM |
| 188.3 to 189.8 Ft.:  | 3-4 hairline fractures with pyrite  | 928           | < 1       | 186.5         | 188.3    | 1.8    |   |         |         | 0.0 |
| 198.1 - 198.6 Ft.:   | 2-1/2" wide whitish quartz-carb. veins @ 450 to core axis   | 929           | 1-2       | 188.3         | 189.8    | 1.5    |   |         |         | 0.0 |
|  |   | 930           | < 1       | 189.8         | 191.3    | 1.5    |   |         |         | 0.0 |
|  |   | 931           | < 1       | 185.7         | 198.1    | 2.4    |   |         |         | 0.0 |
|  |   | 932           | < 1       | 198.1         | 198.6    | 0.5    |   |         |         | 7   |
| 212.0 to 213.0 Ft.:  | 1 1/2" quartz-carb. vein @ 450 to core axis, from py. last 5" section irregular quartz-feldspathic patches            | 933           | < 1       | 193.6         | 200.3    | 1.7    |   |         |         | 0.0 |
|  |   | 934           | < 1       | 205.0         | 210.0    | 5.0    |   |         |         | 0.0 |
|  |   | 935           | < 1       | 212.0         | 213.0    | 1.0    |   |         |         | 3   |
| 249.5 to 251.0 Ft.:  | 1 1/2" quartz-carb. vein @ 450 to core axis. Entire section has 1-2% disseminated granular pyrite up to 1/8" diameter | 936           | < 1       | 219.8         | 249.8    | 5.0    |   |         |         | 0.0 |
|  |   | 937           | < 1       | 239.5         | 229.5    | 5.0    |   |         |         | 0.0 |
|  |   | 938           | < 1       | 231.1         | 239.1    | 5.0    |   |         |         | 3   |
|  |   | 939           | < 1       | 243.5         | 248.5    | 5.0    |   |         |         | 3   |
|  |   | 940           | 1-2       | 249.5         | 251.0    | 1.5    |   |         |         | 0.0 |
| @ 249.6 Ft is 1 1/2" salmon pink granitic vein, med-coarse grained, (quartz and/or massive. - 10% disseminated quartz, 90% K-spar @ 30° to core axis |   | 941           | < 1       | 252.8         | 257.8    | 5.0    |   |         |         | 0.0 |
| @ 266.0 Ft is 4" pink granite vein as above @ approx. 70° to core axis   |   | 942           | < 1       | 262.5         | 264.6    | 2.1    |   |         |         | 3   |
| @ 267.5 Ft is 3" pink granite vein as previous @ approx. 60° to core axis  |   | 943           | < 1       | 265.0         | 266.0    | 1.0    |   |         |         | 3   |
|  |   | 944           | < 1       | 266.4         | 267.2    | 0.8    |   |         |         | 3   |
|  |   | 945           | < 1       | 271.3         | 276.8    | 5.0    |   |         |         | 0.0 |
|  |   | 93-75         | 4-19 1/2" | 155' 10"      | 156' 11" | 1' 1"  |   |         |         | 0.0 |
|  |   | 93-16         | 5"        | 168' 3"       | 168' 11" | 8"     |   |         |         | 0.0 |
|  |   | 93-17         | 4-19 1/2" | 171' 2"       | 171' 5"  | 3"     |   |         |         | 0.0 |
|  |   | 93-18         | 1-2       | 178' 8"       | 179' 5"  | 9"     |   |         |         | 3   |

# DIAMOND DRILL RECORD

NAME OF PROPERTY: BENJON TWP, ONT.  
 HOLE NO. B L 92-1 SHEET NO. 4 of 5

| FOOTAGE   | DESCRIPTION  | SAMPLE |                  |         | ASSAYS        |       | REMARKS |   |   |        |        |  |
|---|--|--------|------------------|---------|---------------|-------|---------|---|---|--------|--------|--|
|   |  | NO.    | 5 SULTPM<br>IDEN | FROM    | FOOTAGE<br>TO | TOTAL |         | % | % | g2/TON | g3/TON |  |
| 300.8 to 302.8 Ft:  | 3 - 1/2 to 2" wide quartz-carb. veins (med. grey due to impurities) 3-5% finely dissem. subhedral pyrite all of approx. 450k cure axis       | 946    | <1               | 281.5   | 286.5         | 5.0   |         |   |   |        | 0.0    |  |
|   |  | 947    | <1               | 291.0   | 296.0         | 5.0   |         |   |   |        | 3.1    |  |
|   |  | 948    | 1-2              | 300.8   | 302.8         | 2.0   |         |   |   |        | 8.0    |  |
|   |  | 949    | 1                | 302.8   | 305.1         | 2.3   |         |   |   |        | 3      |  |
| 302.8 to 305.1 ft:  | 2 - 1/2" quartz-carb. veins as above,  | 950    | 2-5              | 306.1   | 309.1         | 3.0   |         |   |   |        | 7.85   |  |
|   |  | 951    | <1               | 309.1   | 311.2         | 2.1   |         |   |   |        | 7      |  |
| 306.1 to 309.1 ft:  | approx. 70% of this zone is quartz-carb. veining as above. Impurities are fragment (incl. of mafic volc?); subhedral pyrite up to 1/4" diam. | 952    | 1                | 311.2   | 312.2         | 1.0   |         |   |   |        | 14     |  |
|   |  | 953    | <1               | 312.2   | 314.0         | 1.8   |         |   |   |        | 3      |  |
|   |  | 954    | <1               | 319.2   | 324.2         | 5.0   |         |   |   |        | 3      |  |
|   |  | 955    | <1               | 328.5   | 333.5         | 5.0   |         |   |   |        | 0.0    |  |
|   |  | 956    | <1               | 338.0   | 343.0         | 5.0   |         |   |   |        | 1.0    |  |
| 311.2 to 312.2 ft:  | 2 - 1/2 - 2" wide quartz-carb veins as above with 10-20% subhedral pyrite  | 957    | <1               | 350.0   | 352.4         | 2.4   |         |   |   |        | 0.0    |  |
|   |  | 958    | <1               | 184'6"  | 185'5"        | 11"   |         |   |   |        | 3      |  |
|   |  | 959    | <1               | 193'6"  | 194'6"        | 1.0   |         |   |   |        | 0.0    |  |
| 315.7' is 4" salmon pink granitic vein as previously described  |  | 960    | <1               | 200'6"  | 201'6"        | 1.0   |         |   |   |        | 0.0    |  |
| @ 325.5 is 2" granitic vein @ ~ 70° to core axis  |  | 961    | <1               | 213'4"  | 213'11"       | 7"    |         |   |   |        | 0.0    |  |
| @ 327.2 is 1/2" " " @ ~ 45° " " "   |  | 962    | <1               | 223'    | 223'11"       | 11"   |         |   |   |        | 7      |  |
| 348.4 to 349.0 Feldspar porphyry dyke @ approx 50° to core axis. Medium brown-grey in color fresh wet, fine grained with 10% subhedral phenocrysts of white feldspar 1/16 to 1/8" diameter with a ground mass of 60% feldspar 90% mafic (px) very hard. |  | 963    | <1               | 221'    | 221'6"        | 0.5   |         |   |   |        | 55     |  |
|   |  | 964    | <1               | 229'6"  | 230'          | 0.5   |         |   |   |        | 3      |  |
|   |  | 965    | <1               | 232'10" | 233'10"       | 1.0   |         |   |   |        | 0.0    |  |
|   |  | 966    | <1               | 240'    | 240'11"       | 11"   |         |   |   |        | 0.0    |  |



# DIAMOND DRILL RECORD

NAME OF PROPERTY Benoit Twp, Ont.  
 HOLE NO. BL92-1 SHEET NO. 5 of 5

20414 BENOIT LAKE ROAD

| FOOTAGE<br>FROM<br>TO | DESCRIPTION  | SAMPLE |                        |                 |               | ASSAYS |   |         |         |
|-----------------------|--|--------|------------------------|-----------------|---------------|--------|---|---------|---------|
|                       |  | NO.    | % SILICA<br>100g       | FROM<br>FOOTAGE | TO<br>FOOTAGE | %      | % | oz./TON | oz./TON |
| 349.0 to 350.5        | FT mafic vlc. has several to 2" altered areas with coarse and/or brownish Garnet(?) and some emerald-green epidote?.                                 | 958    | <1                     | 357.3           | 360.2         | 2.9    |   |         | 0.0     |
| 360.2 to 366.2        | <u>Feldspar Porphyry dyke</u> (as from 348.4 to 349.0 Ft.)<br>Contacts sharp @ approx 500 to core axis.<br><u>Reconst. mafic vlc's (as previous)</u> | 959    | 1-2                    | 366.8           | 371.8         | 5.0    |   |         | 14      |
|                       |  | 960    | <1                     | 376.5           | 381.5         | 5.0    |   |         | 3       |
|                       |  | 961    | <1                     | 390.0           | 394.0         | 4.0    |   |         | 0.0     |
| 366.2 to 394.0        | END OF HOLE<br>- 366.8 to 371.8 ft. section like 349.0 to 350.5 ft. with altered zones<br>- 377.0 to 380.0 ft as above.                              | 93-28  | <1                     | 258'4"          | 258'8"        | 4"     |   |         | 0.0     |
|                       |  | 93-29  | <1                     | 266'            | 267'          | 1.0    |   |         | 0.0     |
|                       |  | 93-30  | tc                     | 278'2"          | 279'2"        | 1.0    |   |         | 7       |
|                       |  | 93-31  | tc                     | 290'            | 290'2"        | 2"     |   |         | 0.0     |
|                       |  | 93-32  | <1                     | 297'4"          | 299'11"       | 7"     |   |         | 0.0     |
|                       |  | 93-33  | tc                     | 319'9"          | 316'6"        | 9"     |   |         | 0.0     |
|                       |  | 93-34  | <1                     | 317'11"         | 318'18"       | 11"    |   |         | 0.0     |
|                       |  | 93-35  | tc                     | 325             | 327'5"        | 2'5"   |   |         | 0.0     |
|                       |  | 93-36  | <1                     | 334'            | 334'2"        | 8"     |   |         | 10      |
|                       |  | 93-37  | <1                     | 345'6"          | 344'2"        | 7"     |   |         | 7       |
|                       |  | 93-38  | <1                     | 347'9"          | 350           | 2'3"   |   |         | 0.0     |
|                       |  | 93-39  | tc                     | 353             | 355.5         | 2.5    |   |         | 7       |
|                       |  | 93-40  | <1                     | 364'8"          | 365'8"        | 1.0    |   |         | 17      |
|                       |  | 93-41  | tc                     | 371'10"         | 372'4"        | 0.5    |   |         | 27      |
|                       |  | 93-42  | tc                     | 373'10          | 374'4"        | 0.5    |   |         | 21      |
|                       |  | 93-43  | tc                     | 382'9"          | 384'2"        | 1'5"   |   |         | 10      |
|                       |  | 93-44  | tc                     | 387'5"          | 388'8"        | 2'3"   |   |         | 14      |
|                       |  | 9345   | COMPOSITE BROKEN CHIPS |                 |               |        |   |         | 0.0     |