

41N13SW0013 41N13SW0011B1 MICHIPICOTEN ISLAND

010

### Diamond Drilling

Area of MICHIPICOTEN ISLAND

Report N<sup>o</sup> 14

Work performed by: Advance Red Lake Gold Mines Ltd.

Claim N <sup>o</sup>	Hole N <sup>o</sup>	Footage	Date	Note
SSM 75716	<u>3</u>	<u>1506.0'</u>	1966	
	TOTAL 1 DH	1506.0'		

Notes:

# DIAMOND DRILL RECORD

PROPERTY Advance Michipicoten HOLE NO. 3

SHEET NUMBER 1 SECTION FROM \_\_\_\_\_ TO \_\_\_\_\_ STARTED June 16, 1966  
 LATITUDE 13785 DATUM \_\_\_\_\_ COMPLETED July 3, 1966  
 DEPARTURE 20685 BEARING N. 10° W mag. ULTIMATE DEPTH 1506  
 ELEVATION 10' above the Superior DIP 435° PROPOSED DEPTH 1500

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD @	SLURGE GOLD @
0-17	Casing				
17-144	Fine grained chertedonic quartz sediment. Badly broken and about 45% recovery with many short sections lost core.			panned sludge - no mineral - no copper.	
144-161	Coarse red sandstone. Thin sections #4 show sub rounded grains in a dusty matrix. Very little feldspar, 95% quartz. Sandstone packed loosely and somewhat friable. No copper or mineral.			No mineral and no copper noted in sandstone. This may be Cambrian	
161-230 1/2	Fine grained chertedonic sediment				
230-248	Coarse red sandstone - bleached areas - dead white				
248-274	Fine grained sediment				
274-277	Fault				
277-1512	Sandstone, generally bleached except where finer grain indicates seasonal bands. Thin band magnetite at 1226 and 1228. Fault at 1500-1509				

**RECEIVED**  
 JAN 13 1967  
 RESIDENT GEOLOGIST  
 GAULT STE. MARIE

LAKE SUPERIOR

Casing

HOLE N° 3

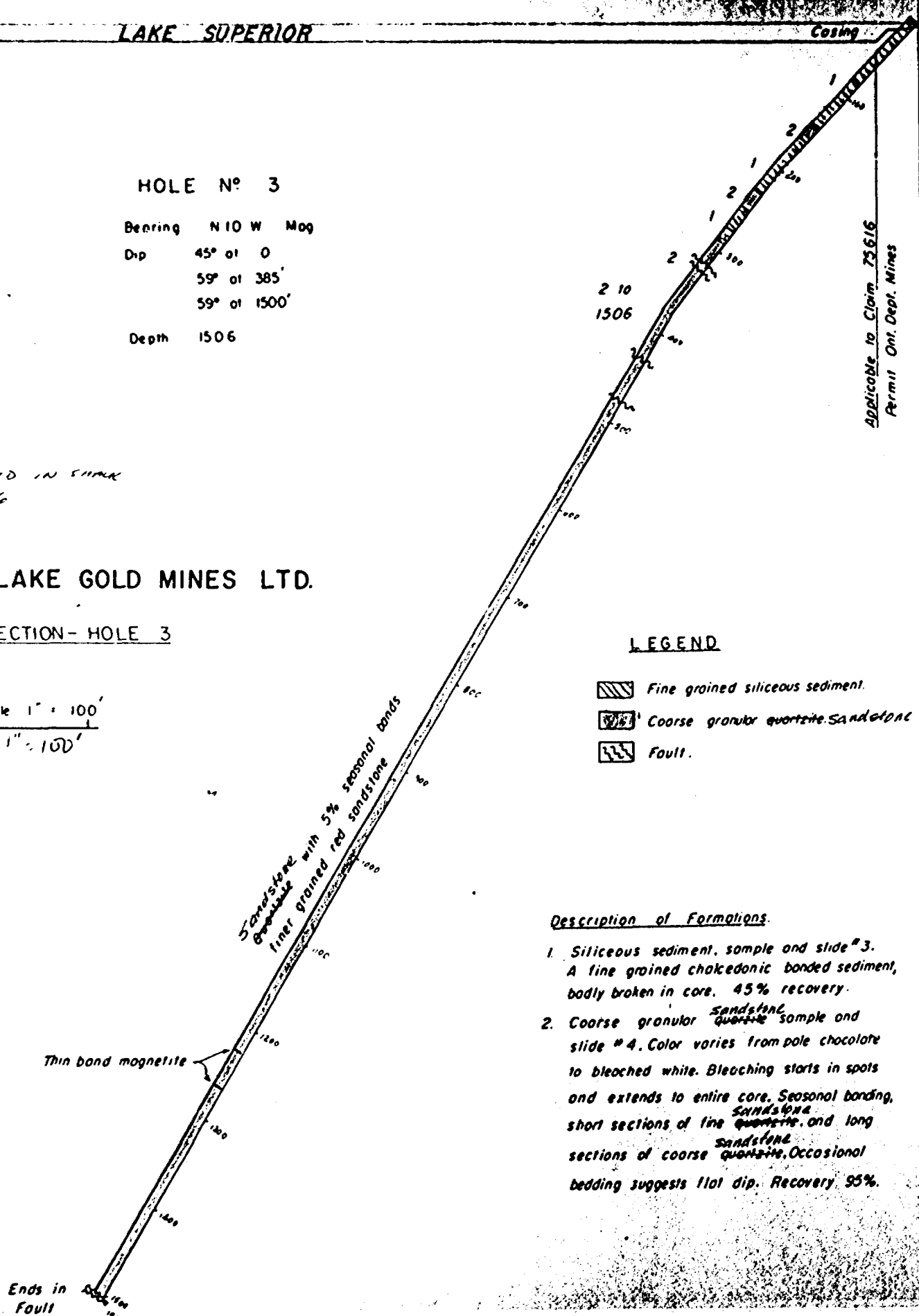
Bearing N 10 W Mag  
 Dip 45° at 0  
 59° at 385'  
 59° at 1500'  
 Depth 1506

CORE STORED IN SHIP  
 ON 75706

ADVANCE RED LAKE GOLD MINES LTD.

D.D.H. SECTION - HOLE 3

Scale 1" = 100'  
 1" = 100'



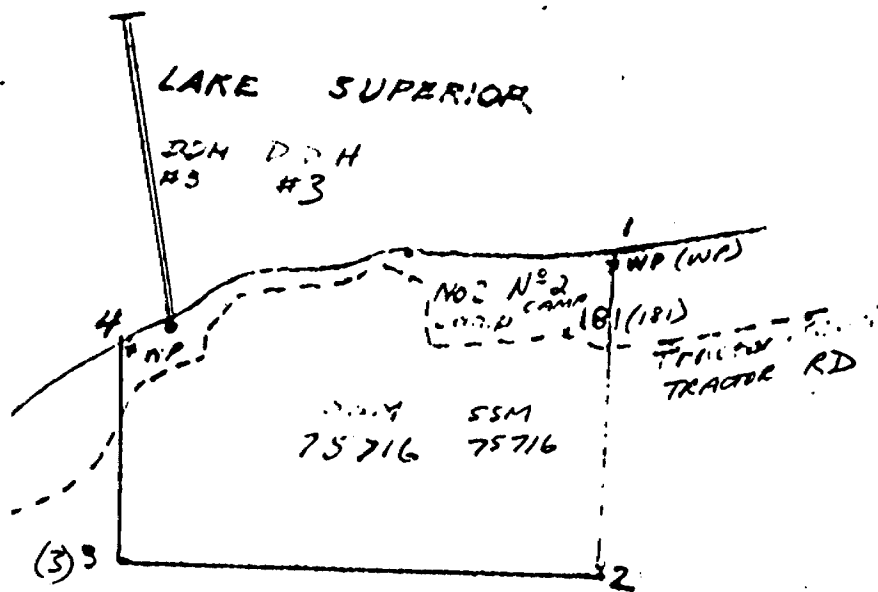
LEGEND

- Fine grained siliceous sediment.
- Coarse granular quartzite sandstone.
- Fault.

Description of Formations.

1. Siliceous sediment, sample and slide #3. A fine grained chaledonic banded sediment, badly broken in core. 45% recovery.
2. Coarse granular <sup>sandstone</sup> quartzite sample and slide #4. Color varies from pale chocolate to bleached white. Bleaching starts in spots and extends to entire core. Seasonal banding, short sections of fine <sup>sandstone</sup> quartzite, and long sections of coarse <sup>sandstone</sup> quartzite. Occasional bedding suggests 110° dip. Recovery 95%.

Applicable to Claim 75616  
 Permit Ont. Dept. Mines



6018 50 75716 60 FT ON 75716  
1446 FT IN LAKE 1446 FT IN LAKE  
SEE SECTION SEE SECTION

ADVANCE RED LAKE GM  
1502 FT RED LAKE GM

HOLE NO3  
HOLE NO3 3.

N 10 W  
1502 FEET  
1 inch = 500 feet

48 LESMILL ROAD - DON MILLS, ONTARIO - TELEPHONE 448-5788

Certificate of Analysis

NO. 7251

to. Advance Red Lake Mines Limited,  
347 Bay Street suite 700,  
TORONTO, Ontario.

RECEIVED August 4, 1966

INVOICE NO. 8924

SAMPLE(S) OF split core & rock SUBMITTED TO US SHOW RESULTS AS FOLLOWS

<u>Sample No.</u>	<u>% Cu</u> <u>% Cu</u>	<u>% Ni</u> <u>% Ni</u>
081	0.01 .01	
82	0.02 .02	
83	Trace	
84	0.01 .01	
85	0.01	Nil
86	0.02 .02	
87	0.02 .02	
88	0.02 .02	
89	0.02	
90	0.02 .02	
91	0.01 .01	
92	0.01	
901	Trace TRACE	

# X-RAY ASSAY LABORATORIES LIMITE

48 LESMILL ROAD - DON MILLS, ONTARIO - TELEPHONE 443-5755

## Certificate of Analysis

NO. 7447

TO: Advance Red Lake Gold Mines Ltd.,  
347 Bay Street,  
Toronto, Ontario.

RECEIVED September 2, 1966

INVOICE NO. 9032

SAMPLE(S) OF split core  
rock

SUBMITTED TO US SHOW RESULTS AS FOLLOWS

<u>Sample</u>	<u>% Cu</u>
094	0.14 .14
95	0.19 .19
96	0.37
97	Trace
98	0.20
99	0.53
101	0.04

X-RAY ASSAY LABORATORIES LIMITED

# X-RAY ASSAY LABORATORIES LIMITED

45 LESMILL ROAD - DON MILLS, ONTARIO - TELEPHONE 445-5755

## Certificate of Analysis

NO. 7483

TO: Advance Red Lake Mines Limited,  
347 Bay Street Suite 700,  
TORONTO, Ontario.

RECEIVED September 9, 1966

INVOICE NO. 13

SAMPLE(S) OF split core &  
whole core

SUBMITTED TO US SHOW RESULTS AS FOLLOWS.

<u>Sample No.</u>	<u>% Cu</u>
102	0.04 .04
103	0.04
104	0.06
105	0.25 ✓
106	0.11 ✓
107	0.67
108	0.02
109	Trace
110	0.35 ✓
111	0.16 ✓

X-RAY ASSAY LABORATORIES LIMITED

*S. J. Brock*

# X-RAY ASSAY LABORATORIES LIMITED

45 LESMILL ROAD - DON MILLS, ONTARIO - TELEPHONE 445-5755

## Certificate of Analysis

NO. 7123

TO: Advance Red Lake Mines Limited,  
347 Bay Street, Suite 700,  
TORONTO, Ontario.

RECEIVED July 11, 1966

INVOICE NO. 8315

SAMPLE(S) OF split core & rock SUBMITTED TO US SHOW RESULTS AS FOLLOWS.

<u>Sample No.</u>	<u>% Cu</u>	<u><sup>Au</sup> Au oz./ton</u>	<u>Ag oz./ton</u>
080	0.11	Nil	Trace
619A	0.41		

X-RAY ASSAY LABORATORIES LIMITED

DATE

CERTIFIED BY

E. J. Beecher

MANAGER





41N13SW0013 41N13SW0011B1 MICHIPICOTEN ISLAND

900



ONTARIO

THE MINING ACT REPORT OF WORK

A separate form is required for each type of work to be recorded.

To the Recorder of... SAULT STE MARIE... Mining Division

I, ... ADVANCE RED LAKE GOLD MINES LIMITED... 38202... Miner's Licence

ROOM 700-347 BAY STREET, TORONTO 1, ONTARIO Post Office Address

do hereby report the performance of ... 60 ... days of ... DIAMOND DRILLING type of work

not before reported to be applied on the following contiguous claims

Table with 6 columns: Claim No., Days, Claim No., Days, Claim No., Days. Contains handwritten entries for claims 75712, 75713, 75714, 75715, 75716, 75618, 75619, 75636, 25637, 75638, 75639, 75640, 75641, 75642, 75643, 75644, 75645, 75624.

All the work was performed on Mining Claim (s) ... 75716 ... MICHIPICOTEN ISLAND ... (In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment.
For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
For Compressed Air or Other Power Driven or Mechanical Equipment
Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
For Geological and Geophysical Survey - The names and addresses of men employed as well as dates. Type of instrument used in the case of geophysical survey. Reports and maps in duplicate must be filed with the Minister within 60 days of recording.
For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

Hole No. 3 - 60 June 16th to July 3rd, 1966 CANADIAN LONGYEAR LIMITED NORTH BAY, ONTARIO PETER C. BRENNER, MANAGER All + 7/8" Core. Hydraulic Drive C.L. Machine

Locational plan on 75584

Date ... February 15th, 1967 ...

Signature of Recorded Holder or Agent ADVANCE RED LAKE GOLD MINES LIMITED PETER E. S. ROBINSON

The Mining Act Certificate Verifying Report of Work

I, ... HOWARD S. ROBINSON ... 4800 CHICAGO BEACH DRIVE, CHICAGO, ILLINOIS (Post Office Address)

S. S. MARIE MINING DIV. FEB 23 1967

- hereby certify: 1. 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. 2. That the annexed report is true.

Dated ... February 15th, 1967 ... Signature

S. S. MARIE MINING DIV. RECEIVE MAR 16 1967 AM 5:18.10 11 10.1.00 4 57

file on 75618 fine on 75618.

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

C O R E   S P E C I M E N S

Core specimens from this hole are available for examination at the resident geologist's office, Ontario Department of Mines and Northern Affairs, Sault Ste. Marie.

Company *ADVANCE RED LAKE GOLD MINES LTD.*

Hole no. .... *3* .....

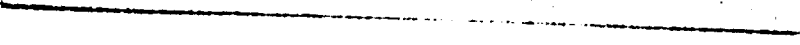
Footage sampled *0' - 15.12'* .....

.....

Rack no. ... *E-2-1 TO E-2-2* ...

.....

File no. ... *SSM.955* .....



SUMMARY - DIAMOND DRILLING  
CANADIAN LONGYEAR - NORTH BAY

NUMBER

DESCRIPTION

NOTES

- |   |  |   |
|---|--|---|
| 1 | Collar on Claim 75700<br>Bearing - N 10W Mag.<br>Dip @ 0 - 55°<br>20    58°<br>140   60°<br>400   62°<br>1341  65°<br><br>Length on 75700 - 250'<br>Recorded on 75700 500 Days<br>Total Depth       1341'        | Recorded<br>June, 1966                            |
| 2 | Collar on Claim 75700<br>Bearing - N 10W Mag.<br>Dip @ 0 - 55°<br>Length on 75700 - 139'<br>Recorded on 75700 278 Days<br>Total Depth       139'   | Recorded<br>June, 1966                            |
| 3 | Collar on Claim 75716<br>Bearing - N 10W Mag.<br>Dip @ 0 - 45°<br>385   59°<br>1500  59°<br><br>Length on 75716   60'<br>Recorded on 75716 60 Days<br>Total Depth       1506'                                    | To be recorded<br>60 Days                         |
| 4 | Collar on Claim 75622<br>Bearing - N 10W Mag.<br>Dip @ 0 - 45°<br>750   53°<br>1400  52°<br><br>Length on 75622 <del>199</del> 140'<br>Recorded on 75622 <del>122</del> Days 140 days<br>Total Depth       1505' | To be recorded<br><del>122 days</del><br>140 days |
| 5 | Collar on Claim 75711<br>Bearing - N 10W Mag.<br>Dip @ 0 - 45°<br>375   57°<br><br>Length on 75711   30'<br>Recorded on 75711 30 Days<br>Total Depth       408'  | To be recorded<br>30 Days                         |

*HJR*

SUMMARY - DIAMOND DRILLING  
CANADIAN LONGYEAR - NORTH BAY

<u>NUMBER</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
6A	Collared on Claim 75708 Bearing - N 10W Mag. Dip @ 0 - 40° 215    43° Length on 75708    90' Recorded on 75708 90 Days Total Depth       468'	To be recorded 90 Days
6B	Collared on Claim 75708 Bearing - N 10W Mag. Dip @ 0 - 40° 45    43° 1500   53° Length on 75708 - 113' Recorded on 75708 113 Days Total Depth       1385'	To be recorded 113 Days
7	Collared on Claim 75704 Bearing - N 10W Mag. Dip @ 0 - 50° 1000   55° 1500   56° Length on 75704    495' Recorded on 75704 495 Days Total Depth       1505'	To be recorded 495 Days
8	Collared on Claim 75704 Bearing - N 10W Mag. Dip @ 0 - 80° 1000   78° 1322   79° Length on 75704   1322' Recorded on 75704 1322 Days Total Depth       1322'	To be recorded 1322 Days
9	Collared on Claim 75584 Bearing - N 10W Mag. Dip @ 0 - 65° Length on 75584 - 371' Recorded on 75584 371 Days Total Depth       371'	To be recorded 371 Days

*JFR*

SUMMARY OF DRILLING

<u>HOLE</u>	<u>DEPTH</u>	<u>NEAREST CORNER</u>	<u>N. OR S.</u>	<u>E. OR W.</u>	<u>TO BE RECORDED</u>
1	1341	1 - 75700	-	-	Recorded June, 1966
2	139	1 75700	-	-	Recorded June, 1966
3	1506	WP-4 75616	N100	N135	60 Days
4	1505	WP-4 75622	N100	N275	133 Days
5	408	WP-1 75712	N690	N250	30 Days
6A	468	WP-1 75707	S75	N90	90 Days
6B	1385	WP-1 75707	S62	N35	43 Days
7	1505	WP-1 75704	N120	N125	495 Days
8	1322	WP-1 75704	N120	N125	1322 Days
9	371	No. 4 75584	S310	N1210	371 Days
<hr/>					
TOTAL	9,950				2,614 DAYS
<hr/>					

H-312

## NATIVE COPPER

Native Copper was found as coarse slugs, round grains the size of shot and fine flakes in the Basalts of No. 1, 7 and 8 holes and in cracks in Felsite in No. 7 hole. It seemed to be rather uniformly distributed in an altered section of a wide coarse Gabbro flow in hole No. 1 (Flow 15) in fine flakes and similarly in flows 21 and 22 of hole No. 7, and just below the last Felsite in hole No. 8. Some samples indicate sections of considerable interest and the possibility of locating low-grade Copper ore between hole Nos. 1 and 7. It is thought that vertical holes along the shore would be worth investigating. Some of the results are listed below:-

<u>HOLE NO:</u>	<u>FROM</u>	<u>TO</u>	<u>WIDTH</u>	<u>% Cu. ASSAY</u>
1	600	605	5.0	.41
	605	610	5.0	.12
	610	615	5.0	.14
	615	620	5.0	.09
7	691	694	3.0	.14
	705	708	3.0	.19
	710	715	5.0	.25
8	830	835	.50	.20
	835	840	5.0	.53
	1175	1180	5.0	.35
	1180	1185	5.0	.16

Assays were made by X-Ray Assay Laboratory, Don Mills, Ontario and in each assay that part of the Copper that would not go through a 200 mesh screen was assayed separately.

Maps (in Duplicate)

Plan 1" - 500' Sheets 1 to 6

Sections 1" - 100' Hole Nos. 3, 4, 5, 6A, 6B, 7 and 8, 9

*H. S. Robinson*  
.....  
H. S. ROBINSON,  
Member O.A.C.

SUMMARY OF CORE ASSAYS  
BY  
X-RAY ASSAY LABORATORIES  
DON MILLS, ONTARIO

<u>HOLE NO.</u>	<u>ASSAY NO.</u>	<u>FROM</u>	<u>DEPTH TO</u>	<u>LENGTH FEET</u>	<u>COPPER %</u>
4	081	130	135	5.0	0.01
	082	285	290	5.0	0.02
	083	300	304	3.5	trace
	084	605	610	5.0	0.01
	085	800	805	5.0	0.01
	086	938	943	5.0	0.02
	087	1024	1025	0.50	0.02
	088	1465	1470	5.0	0.02
	089	1470	1475	5.0	0.02
	090	1475	1480	5.0	0.02
	091	1495	1500	5.0	0.01
7	094	691	694	3.0	0.14
	095	705	708	3.0	0.19
	096	775	777	2.5	0.37
	106	677	680	3.0	0.11
	105	710	715	5.0	0.25
	104	845	850	5.0	0.06
	103	850	855	5.0	0.04
	102	1275	1280	5.0	0.04
8	098	830	835	5.0	0.20
	099	835	840	5.0	0.53
	101	840	845	5.0	0.04
	107	at 710		0.1	0.67
	108	925	926	1.0	0.02
	109	1122	1123	3.0	trace
	110	1175	1180	5.0	0.35
	111	1180	1185	5.0	0.16

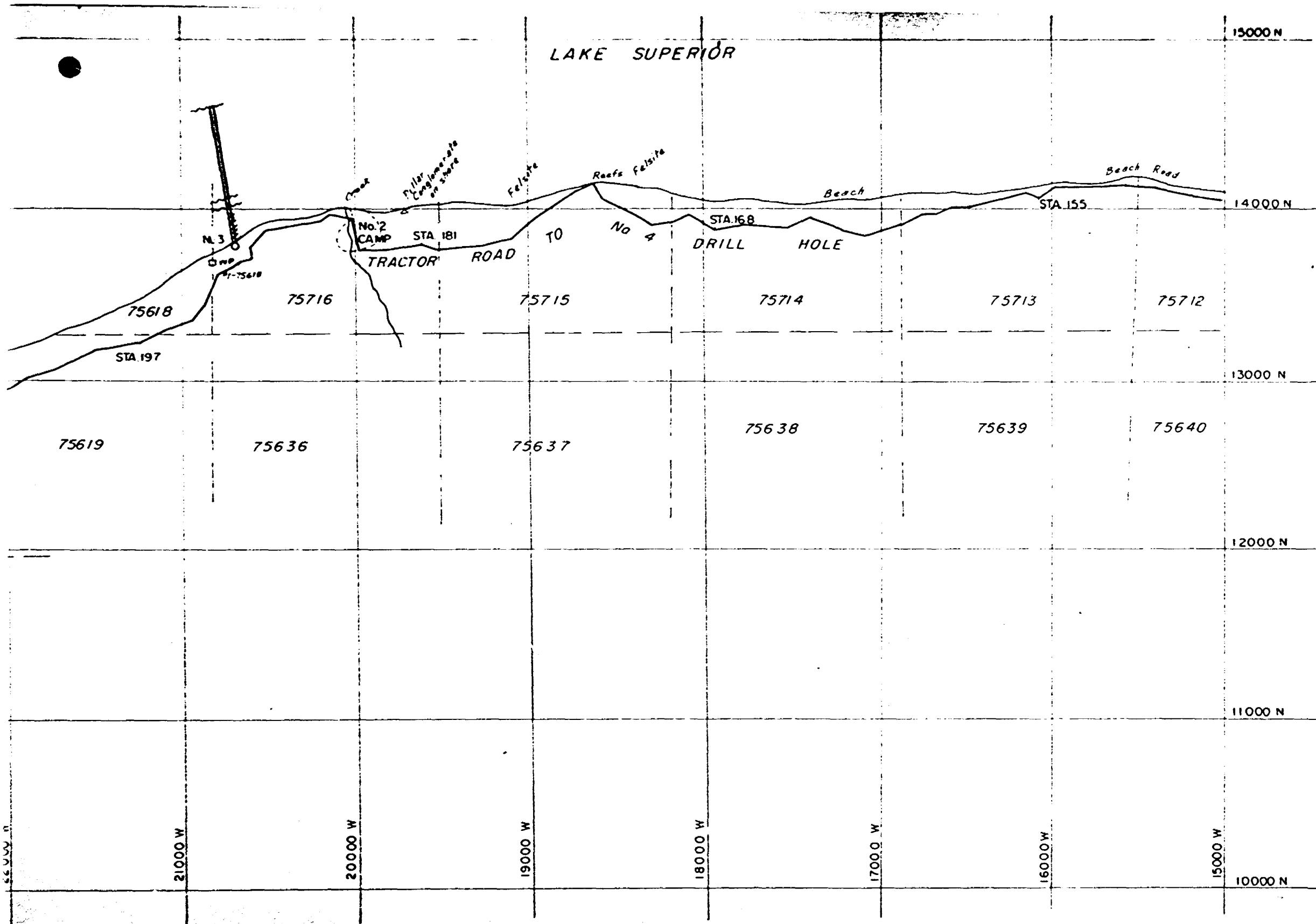
ORIGINAL ASSAY REPORTS ATTACHED

1172

#1 630  
#2 175  
#3 830  
#4 900  
#5 240  
#6 280  
#6B 980  
#7 900  
#8 185  
#9 150

Projected Distances  
ON Surface

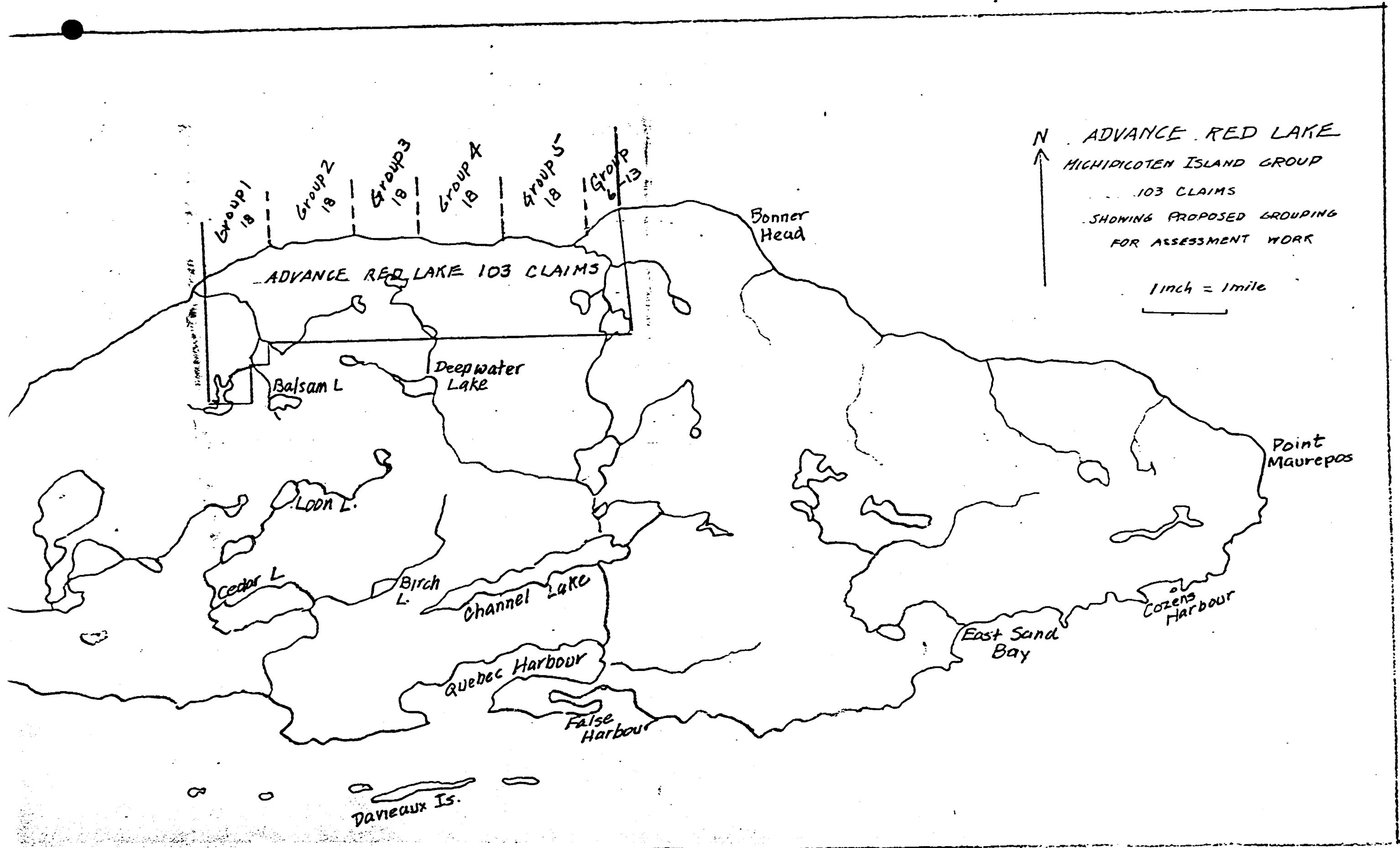




**ADVANCE RED LAKE GOLD MINES LTD.**

**SHEET N°5**

Scale: 1" = 500'



Group 1  
18

Group 2  
18

Group 3  
18

Group 4  
18

Group 5  
18

Group 6  
13

ADVANCE RED LAKE 103 CLAIMS

Balsam L.

Deepwater Lake

Lodon L.

Cedar L.

Birch L.

Channel Lake

Quebec Harbour

False Harbour

East Sand Bay

Cozens Harbour

Point Maurepas

Bonner Head

Davieaux Is.

N  
↑  
ADVANCE RED LAKE  
MICHIPICOTEN ISLAND GROUP  
103 CLAIMS  
SHOWING PROPOSED GROUPING  
FOR ASSESSMENT WORK

1 inch = 1 mile  
└──────────┘