



42D14NE0089 2.849 LOWER AGUASABON LAKE

2.849

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PROJECTS SECTION

Received April 1972

GEOLOGY OF THE  
OWL LAKE MODYDENUM PROPERTY  
NEAR TERRACE BAY ONTARIO.

FOR ZENMAC METAL MINES & PIPAWA EXPLORATIONS LIMITED

INTRODUCTION.

THIS REPORT IS A COMPILATION OF VARIOUS MAPS, SKETCHES, FIELD NOTES AND PLANS THAT WERE MADE BY THE AUTHORS DURING THEIR NUMEROUS VISITS AND PERIODS OF RESIDENCE ON THE PROPERTY OVER THE LAST 6 YEARS.

REFERENCES.

1. O. D. M. VOL. XLVII 1938, PART 9 BY M. W. BARTLEY.
2. O. D. M. MAP 2112 CAIRNGORM LAKE AREA, 1966.

LOCATION & ACCESS

THE PROPERTY IS LOCATED ON THE SOUTH END OF OWL LAKE AT 48° 56' NORTH LATITUDE AND 87° 1½' WEST LONGITUDE. IT IS ACCESSIBLE BY AIRCRAFT TO OWL LAKE, OR BY CAR, BOAT, AND WALKING FROM TERRACE BAY ON THE NORTH SHORE OF LAKE SUPERIOR, THE KIMBERLY CLARK BUSH ROAD IS FOLLOWED NORTH FROM TERRACE BAY FOR ABOUT 11 MILES TO THE MAIN GATE. THE AGUASABON RIVER MUST THEN BE CROSSED ABOVE THE RAPIDS, AND A TRAIL IS FOLLOWED TOWARD THE SOUTHEAST FOR ½ MILE ALONG THE RIVER. ANOTHER TRAIL TO THE EAST AND THEN NORTH IS FOLLOWED FOR ANOTHER HALF MILE TO THE SHOWINGS.

ROCK TYPES

- (X) QUARTZ VEINS - CONTAINING MOLYBDENITE AND MINOR PYRITE
- (1) APLITE, A GRANULAR ROCK OF 85% FELDSPAR, 10% QUARTZ AND 5% BIOTITE.
- (2) GREY GRANITE, A BLUE GREY VAGUELY GRANULAR ROCK SIMILAR IN COMPOSITION TO THE ABOVE EXCEPT THAT THE BIOTITE SPOTS ARE MORE ABUNDANT BEING

- 15% OF THE ROCK. THIS ROCK IS USUALLY GNEISSIC.

(3) MIXED BLACK TO LIGHT GREY GRANITIC GNEISSES OF VARIOUS TEXTURES AND PROPORTIONS OF MINERALS.

(4) GREENSTONE A BLACK HORNBLende - PLAGIOCLASE ROCK, MASSIVE TO GNEISSES WITH TEXTURES FROM BASALT TO GABBRO. PROBABLY DERIVED FROM VOLCANICS.

THE AGE RELATIONSHIP OF THE ROCKS SEEM TO BE IN REVERSE NUMERICAL ORDER, THAT IS NO. 4 BEING THE OLDEST

HISTORY.

THE PROPERTY WAS STAKED FOR THE LAST TIME IN NOVEMBER 1964 AND 65. FOUR DRILL HOLES OF ABOUT 130 FEET EACH WERE DRILLED IN THE FALL OF 1966 UNDER THE MAIN SHOWINGS. THE DETAILED GEOLOGICAL MAPPING WAS ALSO DONE AT THAT TIME. THEN IN THE FALL OF 1969 A MAGNETOMETER SURVEY AND GEOCHEMICAL SURVEY WAS CONDUCTED OVER THE SHOWINGS AND THE SAND PLAIN AREA TO THE SOUTH AND EAST.

A LAND SURVEY OF THE UNPATENTED GROUND WAS COMPLETED IN THE FALL OF 1970 TO PREPARE THE GROUND FOR LEASE.

R. A. HALET



MICHAEL OGDEN



TORONTO, ONTARIO

APRIL 25, 1972.

ASSESSMENT WORK BREAKDOWN

- 1. Type of Survey GEOLOGICAL
- 2. Township or Area LOWER AGUASABON LAKE AREA
- 3. Numbers of Mining Claims Traversed by Survey  
TB-113457  
TB-122022
- 4. Number of Miles of Line Cut N/A Flown N/A
- \*5. Number of Stations Established \_\_\_\_\_
- \*6. Make and type of Instrument Used \_\_\_\_\_
- \*7. Scale Constant or Sensitivity \_\_\_\_\_
- \*8. Frequency Used and Power Output \_\_\_\_\_

9. Summary of Assessment Credits (details on reverse side)

Total 8 hour Technical Days (Include Consultants, Draughting etc.) 11

Total 8 hour Line-Cutting Days N/A

Calculation

$$\frac{11}{\text{Technical}} \times 7 = \frac{77}{\text{Line-cutting}} + \frac{0}{\text{Line-cutting}} = \frac{77}{\text{Line-cutting}} \div \frac{2}{\text{Number of claims}} = \frac{38}{\text{Assessment credits per claim}}$$

The dates listed on this form represent working time spent entirely within the limits of the above listed claims  Check  
If otherwise, please explain \_\_\_\_\_

Dated: APRIL 25, 1977

Signed: Michael O...

- Note:
- (A) \* Complete only if applicable.
  - (B) Complete list of names, addresses and dates on reverse side.
  - (C) Submit separate breakdown for each type of survey.
  - (D) Submit in duplicate.

ASSESSMENT WORK BREAKDOWN

1. FIELD WORK

<u>Type of Work</u>	<u>Name &amp; Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
FIELD GEOLOGY	MICHAEL OGDEN	OCT 14 - NOV 4 / 66	4
	RR-4 STOUFFVILLE	JUNE 19 / 69	1
		SEPT. 23 - OCT. 22 / 69	
" "	R.A. HALET	SUMMER 1966	1
	4 DONCLIFFE PLACE	JUNE 19 / 69	1
	TORONTO 12		

2. CONSULTANTS

<u>Name &amp; Address</u>	<u>Dates Worked (specify in field or office)</u>	<u>Number of 8 hour days</u>
R.A. HALET	OFFICE 1966 - 72	2
(AS ABOVE)		

3. DRAUGHTSMAN, TYPING, OTHERS (specify)

<u>Name &amp; Address</u>	<u>Type of Work</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>
MICHAEL OGDEN	DRAUGHTING &	APRIL 20-25	
(AS ABOVE)	REPORT PREPARATION	1972	2

TOTAL 8 HOUR TECHNICAL DAYS

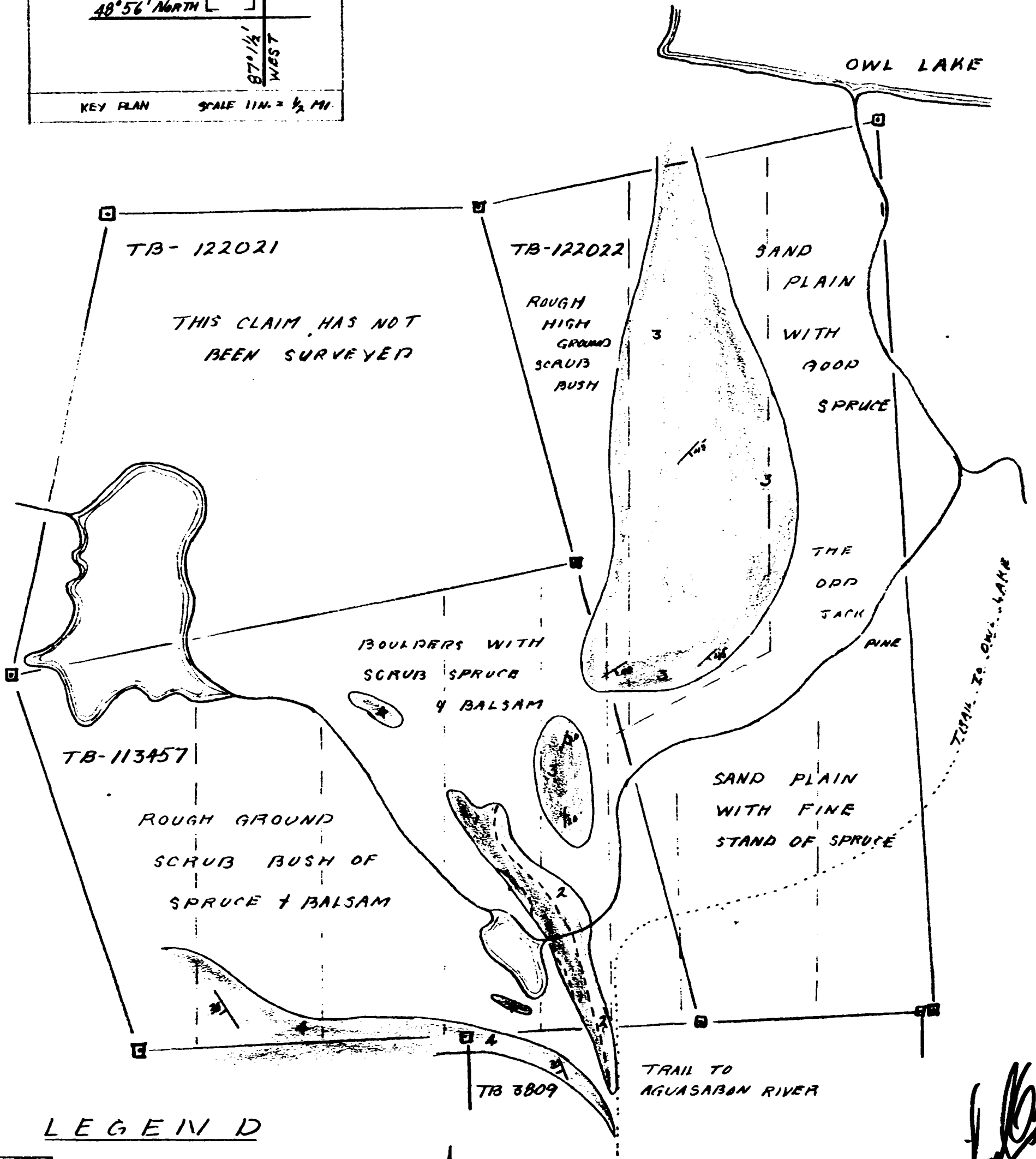
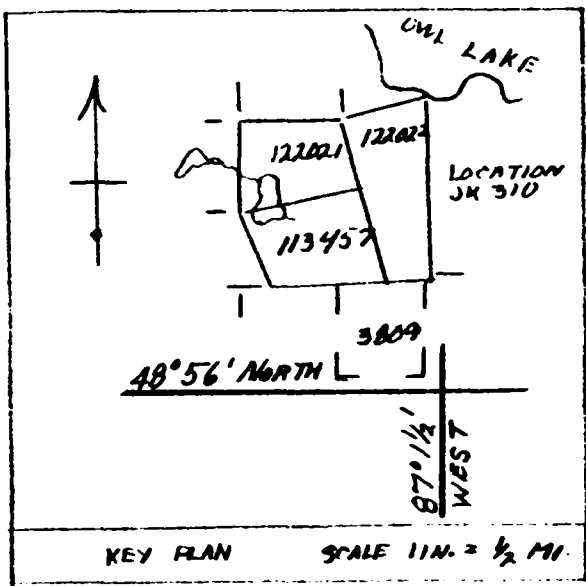
11

4. LINE-CUTTING


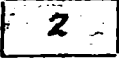





<u>Name</u>	<u>Address</u>	<u>Dates Worked</u>	<u>Number of 8 hour days</u>

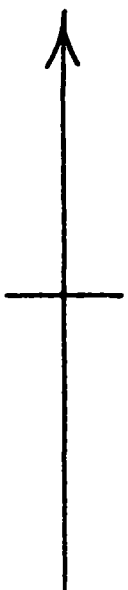
TOTAL 8 HOUR LINE-CUTTING DAYS

N/A



**LEGEND**

-  PINK GRANITE (APLITE)
-  GREY GRANITE GNEISS
-  MIXED BLACK & GREY GRANITIC GNEISS
-  GREENSTONES (ALTERED BASIC TUFF)
-  OUTCROP AREA
-  TRAVERS (PICK & COMPASS)
-  DIP & STRIKE OF GNEISSOSITY



*Michael OGDEN*

PIPAWA EXPLORATIONS LIMITED &  
ZENMAC METAL MINES LTD.  
**OWL LAKE PROSPECT**  
SCALE 1 IN. = 300 FT. APRIL '72  
MICHAEL OGDEN

Upper Aguasabon Lake Area (M.-2519)

AREA OF

LOWER AGUASABON LAKE

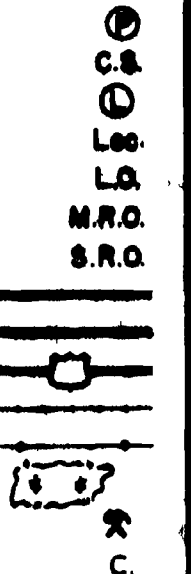
DISTRICT OF THUNDER BAY

THUNDER BAY 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 MUSKES
- MINES
- CANCELLED



NOTES

400' Surface Rights Reservation around all Lakes & Rivers.  
 Flooding Rights to Contour 985 On Aguasabon Lakes Reserved to H.E.P.C. of Ontario, File 152730.  
 Flooding Rights on Owl Lake Reserved to H.E.P.C. of Ontario to 15' above present water level.  
 River, Bad and Flats On Aguasabon River Reserved to 20' above present water level south of Lgs. JK309 for flooding. File 110782 Vol. 6.

DATE OF ISSUE

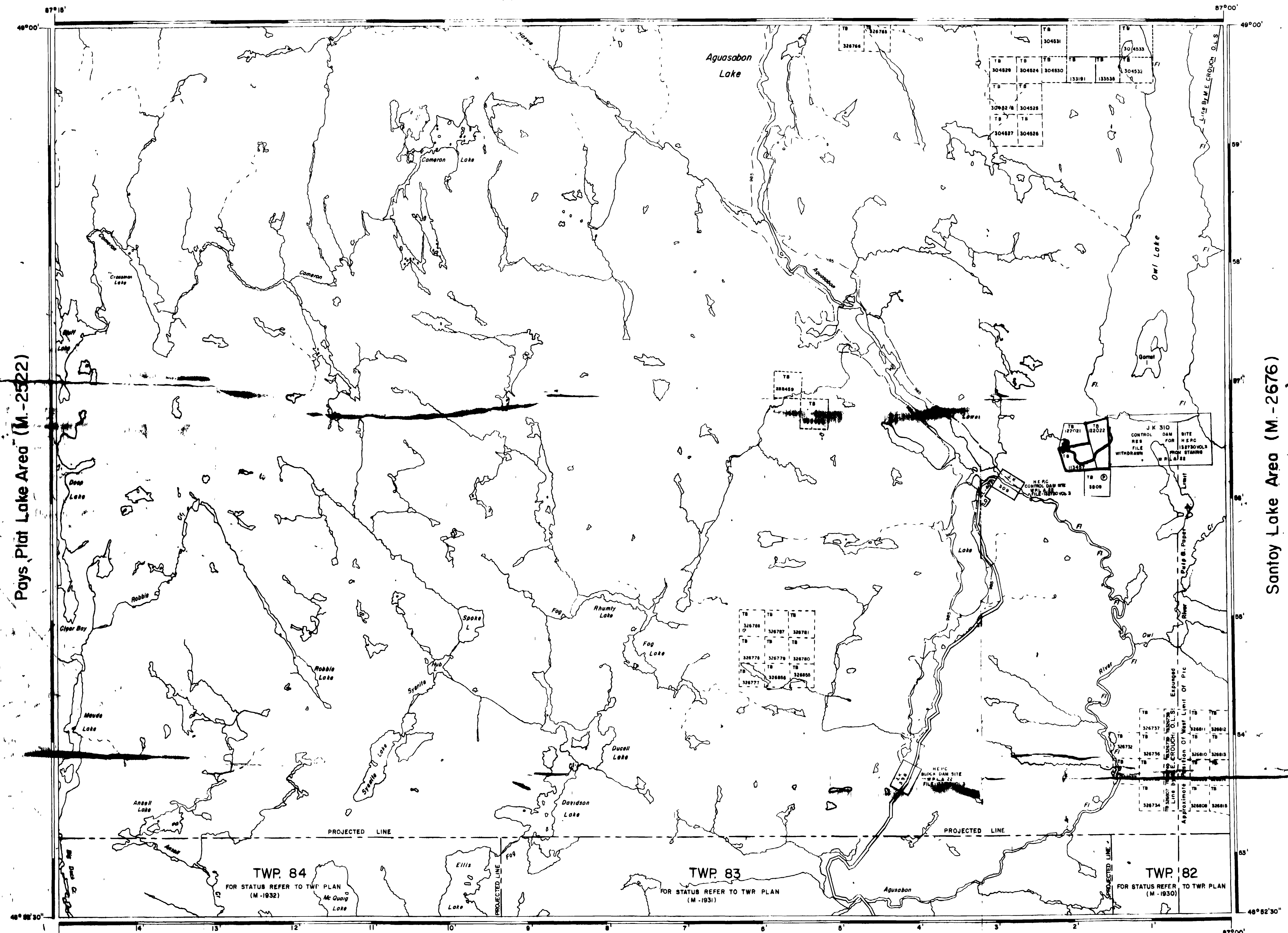
MAY - 4 1972

ONT. DEPT. OF MINES AND NORTHERN AFFAIRS

NATIONAL TOPOGRAPHIC SERIES 42 D 14

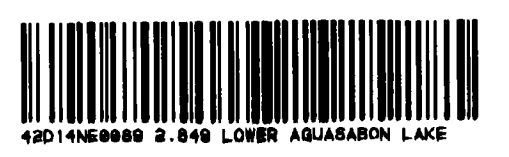
PLAN NO. M. 2518

ONTARIO DEPARTMENT OF MINES AND NORTHERN AFFAIRS












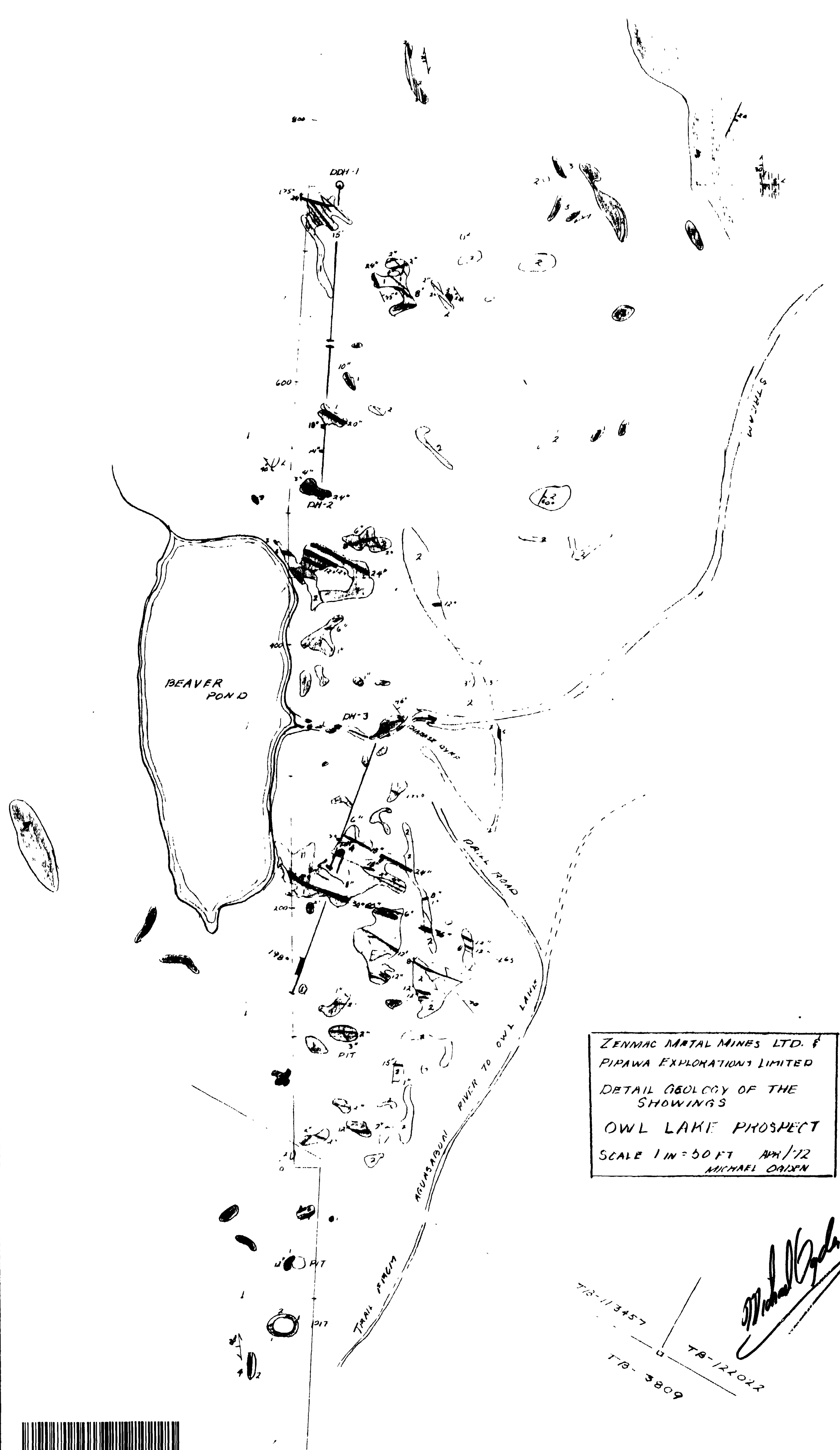
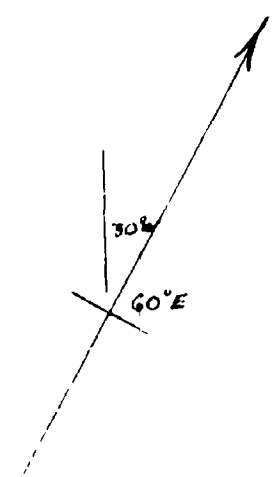
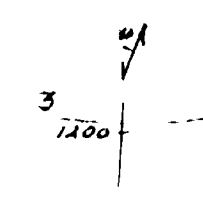
Pays Plat Lake Area (M.-2522)

Santoy Lake Area (M.-2676)



# LEGEND

-  QUARTZ VEIN WITH MOLYBDENITE. WIDTH IN INCHES.
-  1 PINK GRANITE (APLITE)
-  2 GREY GRANITE GNEISS
-  3 MIXED BLACK & GREY GRANITIC GNEISS
-  4 GREENSTONE
-  OUTCROP
-  PICKET LINE
-  DIP & STRIKE
-  DRILL HOLE



ZENMAC METAL MINES LTD. &  
 PIPAWA EXPLORATIONS LIMITED  
 DETAIL GEOLOGY OF THE  
 SHOWINGS  
 OWL LAKE PROSPECT  
 SCALE 1 IN = 50 FT APR/72  
 MICHAEL ORLEN

*Michael Orlen*

78-113457  
 78-122022  
 78-3809

