

PROPERTY

42A10NW0767 63.2357 DUNDONALD

010

The property consists of 18 contiguous unpatented mining claims, containing approximately 720 acres.

The numbers of the claims are : -

L. 79982 - 85, inclusive.

L. 79121 - 85, "

L. 76869 - 76, "

LOCATION AND ACCESS

The claims are located adjacent to the west boundary of Dundonald Township, in the Larder Lake Mining Division, of Ontario. Highway 67 crosses the southern half of the property, as well as the main track of the Ontario Northland Railway.

GEOLOGY

The property is overlain almost entirely by overburden. The geology can be inferred by extrapolation from government geological maps.

A preliminary map available from the O.D.M. shows that one diamond drill hole on the west boundary of claim 76872 intersected the contact between andesites and peridotite with the andesite on the north side. This hole was drilled by Noranda Mines, and the logs filed with the O.D.M.

The andesite forms part of a series of volcanic and sedimentary rocks of Pre-cambrian age. These rocks are the oldest types in the area and subsequently intruded by basic and ultra-basic rocks, including peridotites and gabbro of Haileyburian age. It appears

that the property is entirely underlain by these rock types.

The Alexo mine to the south of the property contains a deposit of nickel and copper. The mineralization occurs in the peridotites close to the contact with andesites. The mine is not producing at the present time though some shipments were made in the past.

MAGNETOMETER SURVEY

Work was carried out on this property in the hopes of finding Nickel bearing sulphides along the contact between the volcanics and ultra-basic intrusives which were known from previous work, to occur in the area.

Surface mapping was of little or no use on the property due to the heavy overburden. Under these circumstances a magnetometer survey was selected. This survey would differentiate between the volcanics and the ultra-basic intrusives (serpentinized peridotite) due to their different magnetic susceptibilities.

A 4,000' E - W base line was cut along the approximate centre line of the 5 claim group. North - South section lines were cut at 200 foot intervals. Readings were taken at 100 foot intervals along the section lines except in anomalous areas where readings were taken every 50 feet. The magnetometer used was a Sharpe Flux-gate magnetometer.

The ultra-basic intrusive was readily outlined (see accompanying map) by a magnetic anomaly showing a maximum of 4190 gammas. From the results of the survey the ultra-basic body is judged to extend from line 17W to line 5E a distance of 2200 feet. The intrusive is suspected to vary in width from approximately 300' wide on line 16W to

a maximum of approximately 600 feet wide on section 2E. The interpreted boundary is indicated by a broken line on the accompanying map. The anomaly indicates a body rather symmetrical in plan and shows some suggestion of a northerly dip. The intrusive body is judged to be approximately 200 feet below surface.

ELECTROMAGNETIC SURVEY

An EM survey was also carried out on the same grid. Considerable trouble was encountered due to the presence of power lines. Two different instruments were used, Sharpe SE 300 and a less sensitive Sharpe SE 200. A weak anomaly was picked up using the latter. This anomaly lay to the south of the serpentine body and is judged to have been caused by the conductive properties of serpentized peridotite rather than sulphides. (Subsequent drilling proved this to be the case.)

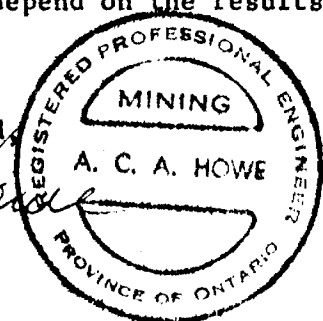
CONCLUSIONS AND RECOMMENDATIONS

The results of the magnetometer survey indicate that an intrusive ultra-basic body, probably peridotite occurs in the centre of the 5 claim group which were surveyed. The Alexo orebody occurs on the contact between a similar ultra-basic and andesite, and was apparently localised along a roll in this contact. Since similar conditions exist on the Alsof, it is recommended that the contacts of the ultra-basic intrusive be tested by diamond drilling. Both sides of the intrusive should be drilled, as well as one hole at each end of the plug, and a total of 2500 feet of drilling is recommended. Additional drilling will depend on the results obtained.

Respectfully submitted,

A. C. A. Howe
A.C.A. Howe

A. C. A. HOWE, P.ENG.





42A10NW0767 63.2357 DUNDONALD

ONTARIO

900

required for each type of work to be recorded.

THE MINING ACT REPORT OF WORK

To the Recorder of... LARDER LAKE Mining Division

I, EARLE G. KELLY name of Recorded Holder M-15581 Miner's Licence

Box 615 Timmins Ont Post Office Address

do hereby report the performance of ... days of Geophysical Surveys 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 like L. 76869, 70, 71, 72, 73, 74.

All the work was performed on Mining Claim (s) L. 76869-70-71-72-74-76 (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)

COPY

Date April 23/68

Signature of Recorded Holder or Agent

The Mining Act Certificate Verifying Report of Work

I, EARLE GEO. KELLY Box 615 Timmins Ont (Post Office Address)

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 April 23 1968

Signature

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

McCart Twp.

THE TOWNSHIP OF
OF
DUNDONALD

DISTRICT OF
COCHRANE

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

- PATENTED LAND Ⓟ
- CROWN LAND SALE Ⓢ or Ⓞ
- LEASES Ⓛ
- LOCATED LAND Loc.
- LICENSE OF OCCUPATION L.O.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- ROADS —
- IMPROVED ROADS —
- KING'S HIGHWAYS —
- RAILWAYS —
- POWER LINES —
- MARSH OR MUSKEG —
- MINES Ⓜ

NOTES

ONT. DEPT. OF MINES
MINING LANDS BR.
THIS MAP FOR CHECKING
PURPOSES ONLY - MUST
NOT BE SOLD. File No. 33-34

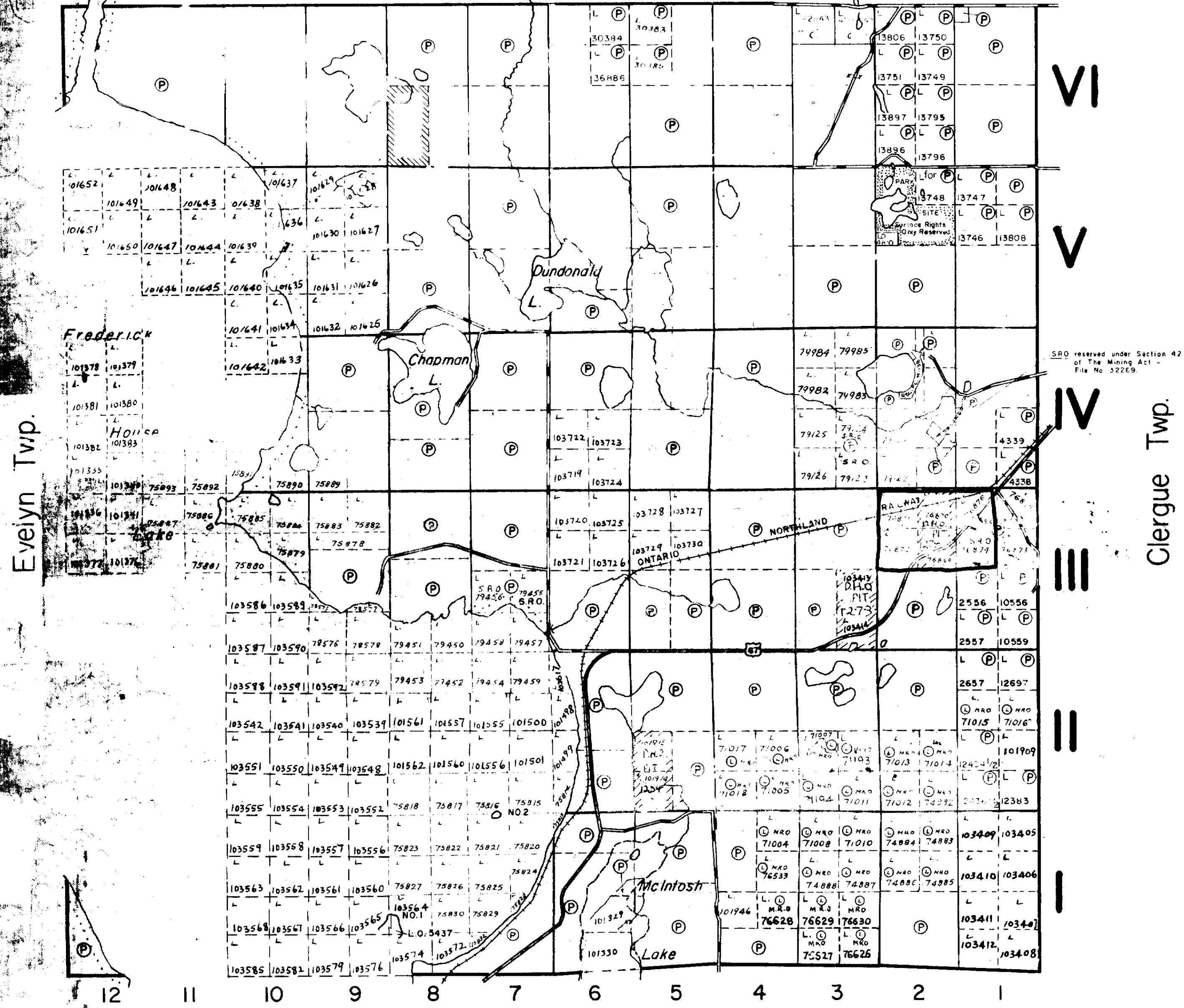
Reserve Flooding Rights to 903 Contour to Hydro Electric Power Commission.

400' Surface rights reservation around all lakes and rivers.

DATE OF ISSUE
Reserve to the Dept. of Highway Show
Thus - **OCT 29 1968**
Old Shore Line of McIntosh Lake
New Shore Line of McIntosh Lake

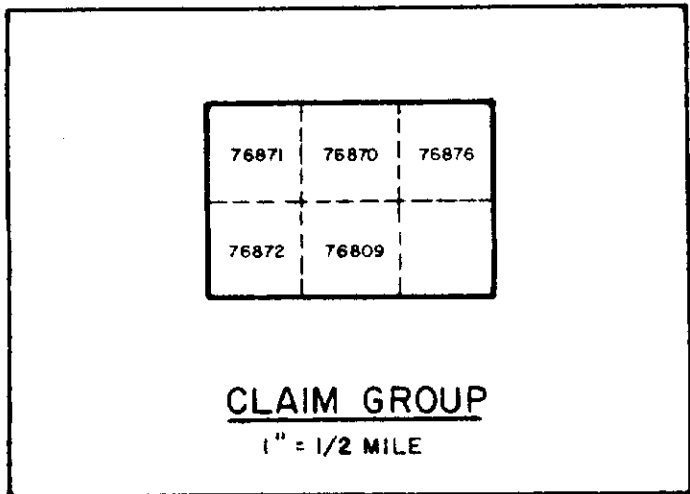
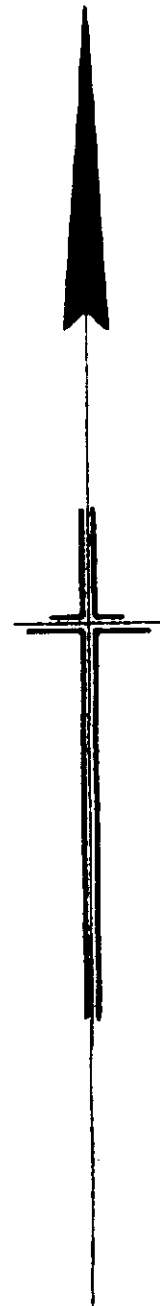
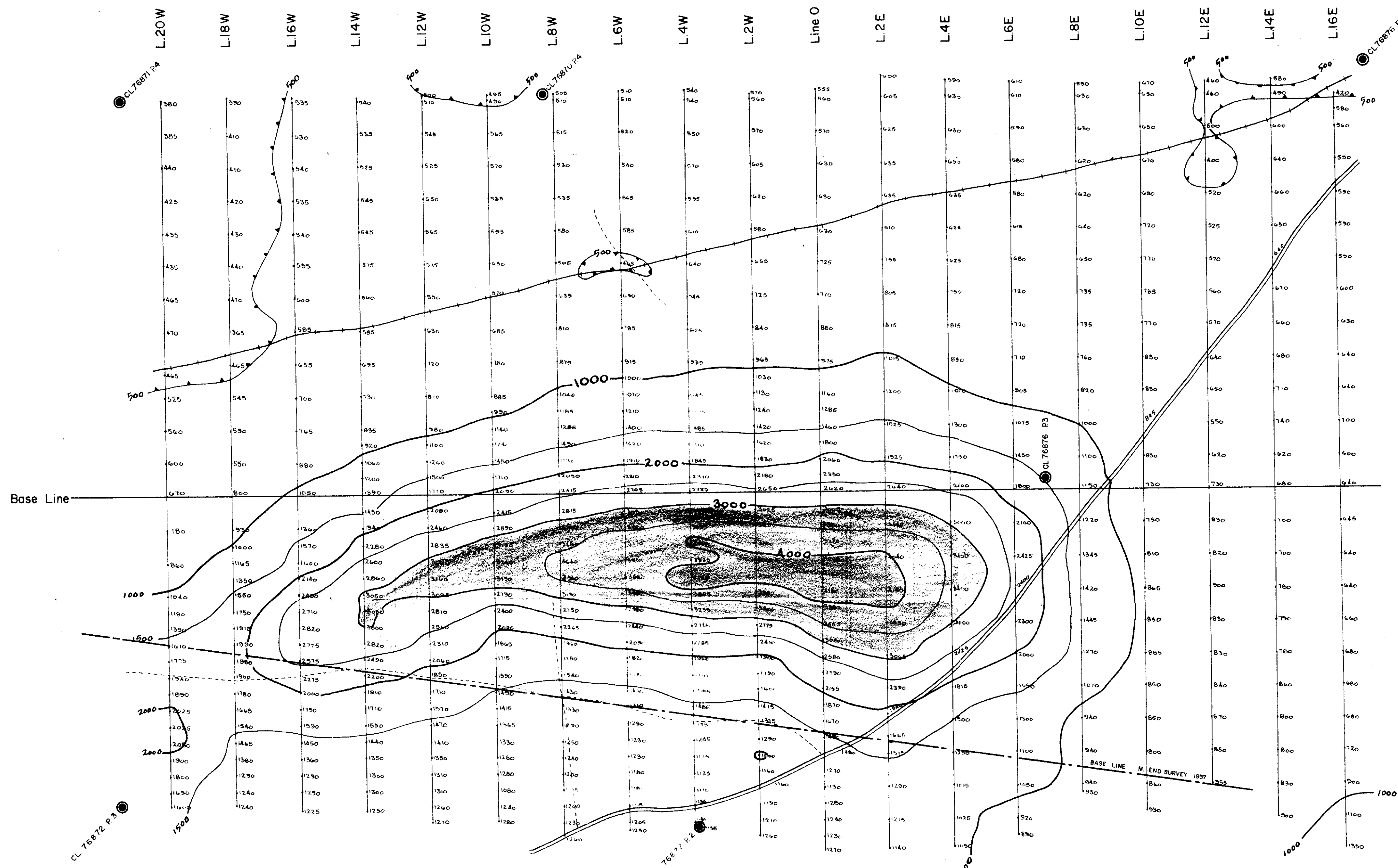
PLAN NO.- M-343

DEPARTMENT OF MINES
-- ONTARIO --



Witness posts for claims staked out covering lands under waters of Frederick House Lake in Dundonald township, should not be erected or planted in Eveyn township.





- LEGEND**
- Instrument-MF-1 Fluxgate
 - E.M. Conductor
 - Claim Post
 - - - Bush Road
 - ==== Highway 67.
 - Ontario Northland Railway
 - 2000 to 3000 Gammas
 - ▨ 3000 to 4000 "
 - 4000 to — "

MAGNETOMETER SURVEY

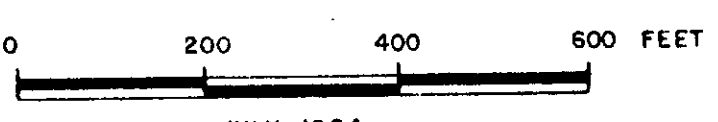
on the property of

ALSOF MINES LTD.

DUNDONALD TOWNSHIP, ONT.

- by -

QUEBEC GEOPHYSICS LTD.



JULY 1964



63-2357



L180W L18W L14W L12W L10W L8W L6W L4W L2W Line 0 L2E L4E L6E L8E L10E L12E L14E L16E



Base Line

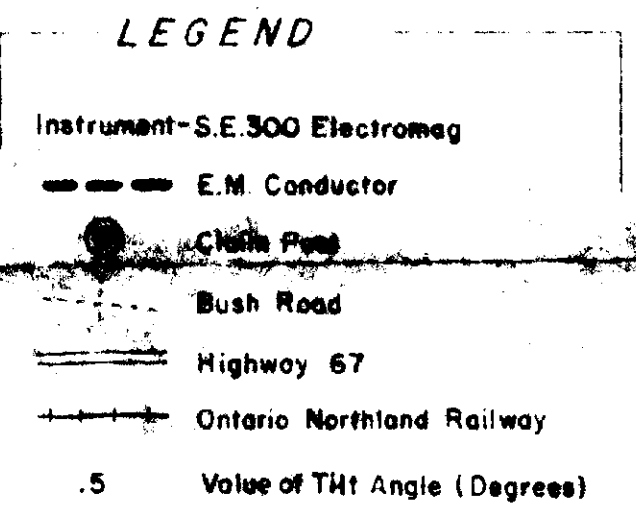
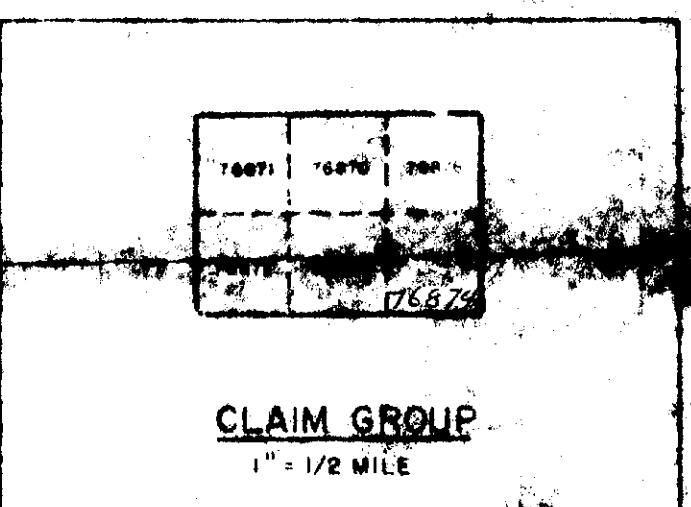
CL 76872 P-1

CL 76872 P-2

CL 76876 P-3

CL 76876 P-1

ELECTROMAGNETIC SURVEY
(SCALE OF PROFILES - 1" = 10')



63-2357
on the property of
ALSOF MINES LTD.
DUNDONALD TOWNSHIP, ONT.
- by -
QUEBEC GEDPHYSICS LTD.

