



REID PROJECT  
MAGNETOMETER SURVEY  
REID TOWNSHIP  
ONTARIO  
- 1980 -

**RECEIVED**

MAR 19 1980

MINING LANDS SECTION

Stanley D. Robinson  
Project Geologist  
February, 1980  
Minerals  
NTS: 42A/11, 12, 13, 14



## 1.0 INTRODUCTION

A magnetometer survey was carried out on 31 claims, as well as on portions of an additional 17 claims, in Reid Township, Timmins, Ontario, area (Figures 1 and 2, Table 1). The survey was performed by Northwest Geophysics Ltd., of Thunder Bay, Ontario, during September and October 1979.

All the claims are held by Gulf Minerals Canada Limited.

## 2.0 ACCESS

The property is accessible from Timmins via highway 655 and Abitibi Paper camp's 40 all-weather roads.

## 3.0 GEOLOGY

The area covered by the magnetometer is considered to be an east-west trending rhyolite band flanked on both sides by mafic volcanics; however, insufficient outcrop is present to accurately define geological contacts.

## 4.0 SURVEY METHOD

An MF-2 Fluxgate magnetometer of Scintrex Ltd. was used for the survey.

Approximately 35 miles of line, cut at 400 foot intervals and oriented northeast, were surveyed. Readings were taken at 100 foot intervals throughout; however, in anomalous areas the readings were taken at either 25 or 50 foot intervals.



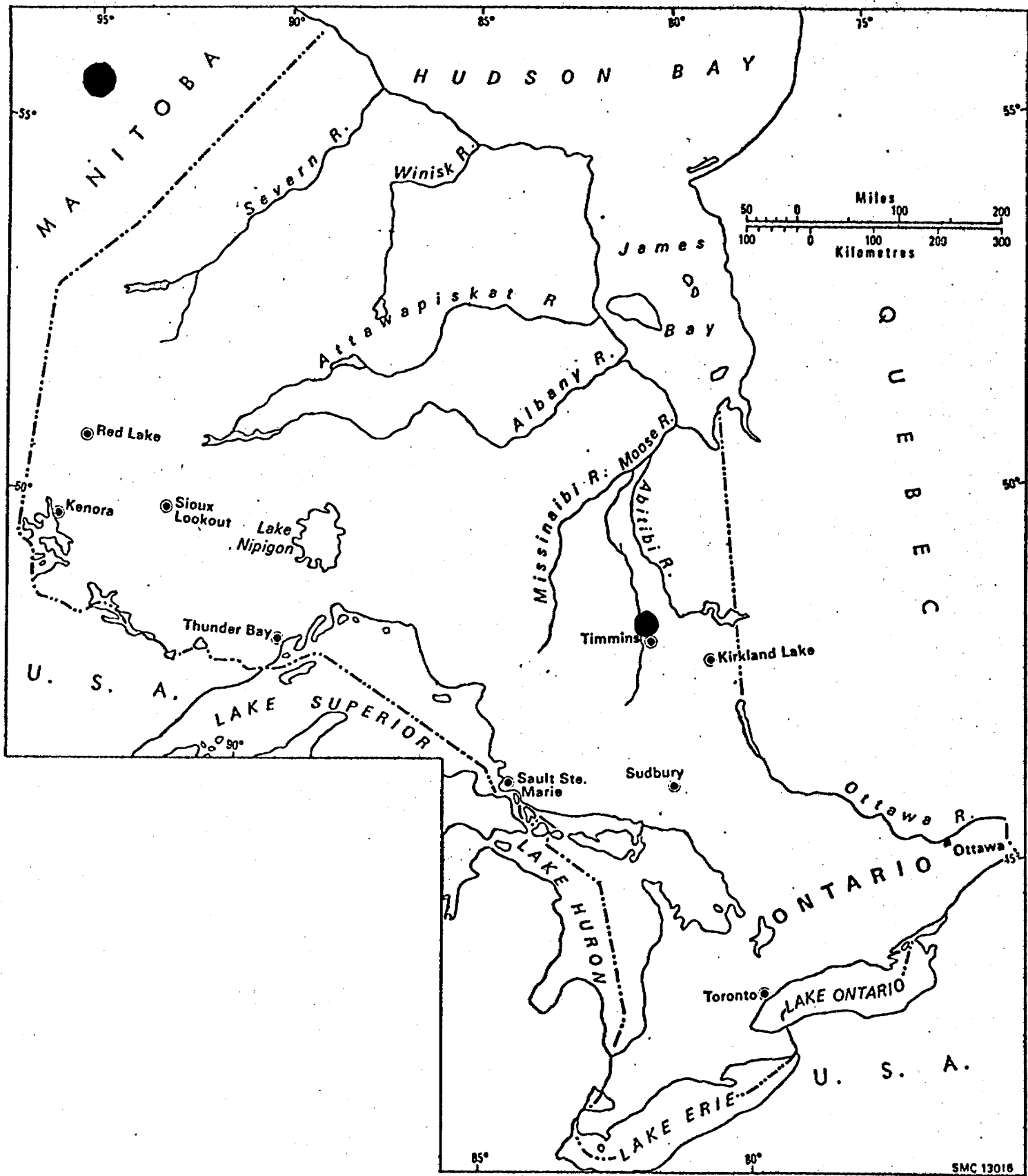
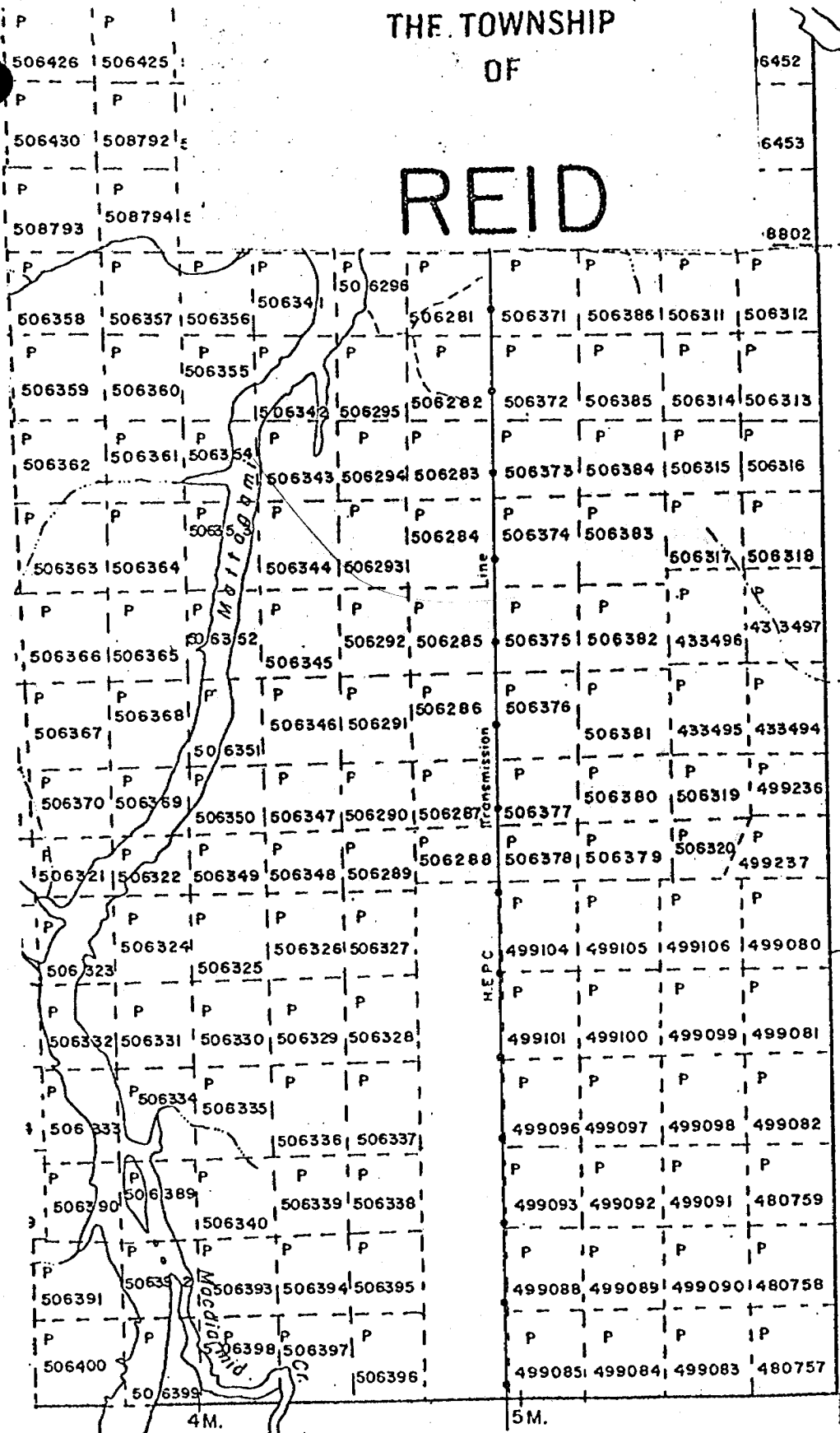


FIGURE 1: Location Map

SMC 13018

THE TOWNSHIP  
OF  
**REID**



CARNEGIE TWP. - M. 441

MACDIARMID TWP. - M. 294

FIGURE 2: Claim Map

TABLE 1  
MAGNETOMETER SURVEY - CLAIMS COVERED

<u>Complete Coverage</u> <u>Claim No.</u>	<u>Complete Coverage</u> <u>Claim No. (cont'd)</u>
P506283	P506381
P506284	P506382
P506285	P506383
P506286	
P506287	
P506289	<u>Partial Coverage</u> <u>Claim No.</u>
P506290	
P506291	P506288
P506292	P506295
P506293	P506315
P506294	P506318
P506317	P506319
P506320	P506322
P506344	P506325
P506345	P506326
P506346	P506327
P506347	P506342
P506348	P506343
P506349	P506351
P506350	P506352
P506373	P506353
P506374	P506369
P506375	P506372
P506376	P506282
P506377	P506384
P506378	
P506379	
P506380	



5.0 RESULTS

One magnetic anomaly trending northwest occurs from L28E - 13+00S to L60E - 40+00S. It may be due to a diabase dyke.

6.0 RECOMMENDATIONS

An electromagnetic survey should be carried out over the entire grid to determine if there are any electromagnetic conductors on the property.

*J. D. Robinson*





Ministry of Natu

GEOPHYSICAL - GEOLOGI  
TECHNICAL DATA



42A11NW0051 2.3254 REID

900

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT  
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT  
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Magnetometer  
Township or Area Reid Township  
Claim Holder(s) Gulf Minerals Canada Limited  
  
Survey Company Northwest Geophysics Ltd.  
Author of Report Stanley D. Robinson  
Address of Author PH7 - 601 Finch Avenue W., Willowdale,  
Ontario  
Covering Dates of Survey September-October, 1979  
(linecutting to office)  
Total Miles of Line Cut 35

MINING CLAIMS TRAVERSED  
List numerically

See attached list.  
(prefix) (number)

SPECIAL PROVISIONS  
CREDITS REQUESTED

ENTER 40 days (includes  
line cutting) for first  
survey.

ENTER 20 days for each  
additional survey using  
same grid.

Geophysical  
-Electromagnetic \_\_\_\_\_  
-Magnetometer 40  
-Radiometric \_\_\_\_\_  
-Other \_\_\_\_\_  
Geological \_\_\_\_\_  
Geochemical \_\_\_\_\_

DAYS  
per claim

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric \_\_\_\_\_  
(enter days per claim)

DATE: Feb. 28, 1980 SIGNATURE: S. D. Robinson  
Author of Report or Agent

L.D.

Res. Geol. \_\_\_\_\_ Qualifications 2. 2709 + on

Previous Surveys

File No. Type Date Claim Holder

File No.	Type	Date	Claim Holder

TOTAL CLAIMS \_\_\_\_\_

If space insufficient, attach list

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations N/A Number of Readings N/A
Station interval 100, 50 and 25 feet Line spacing 400 feet
Profile scale 1" = 2,000 gamma
Contour interval N/A

MAGNETIC

Instrument MF-2 Fluxgate Magnetometer (Scintrex Ltd.)
Accuracy - Scale constant 1 gamma
Diurnal correction method For mathematically computed: daily moving base stations and main base stations
Base Station check-in interval (hours) Moving base station: 1/2 - 1 hour
Base Station location and value Main base station: twice daily L40E 0+00 500 gamma

ELECTROMAGNETIC

Instrument
Coil configuration
Coil separation
Accuracy
Method: Fixed transmitter Shoot back In line Parallel line
Frequency (specify V.L.F. station)
Parameters measured

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument
Method Time Domain Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode



MAHAFFY TWP. - M.540

REID

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

- PATENTED LAND (P)
- CROWN LAND SALE (C.S.)
- LEASES (L)
- 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 (X)
- CANCELLED (C)
- PATENTED FOR S.R.O. (O)

NOTES

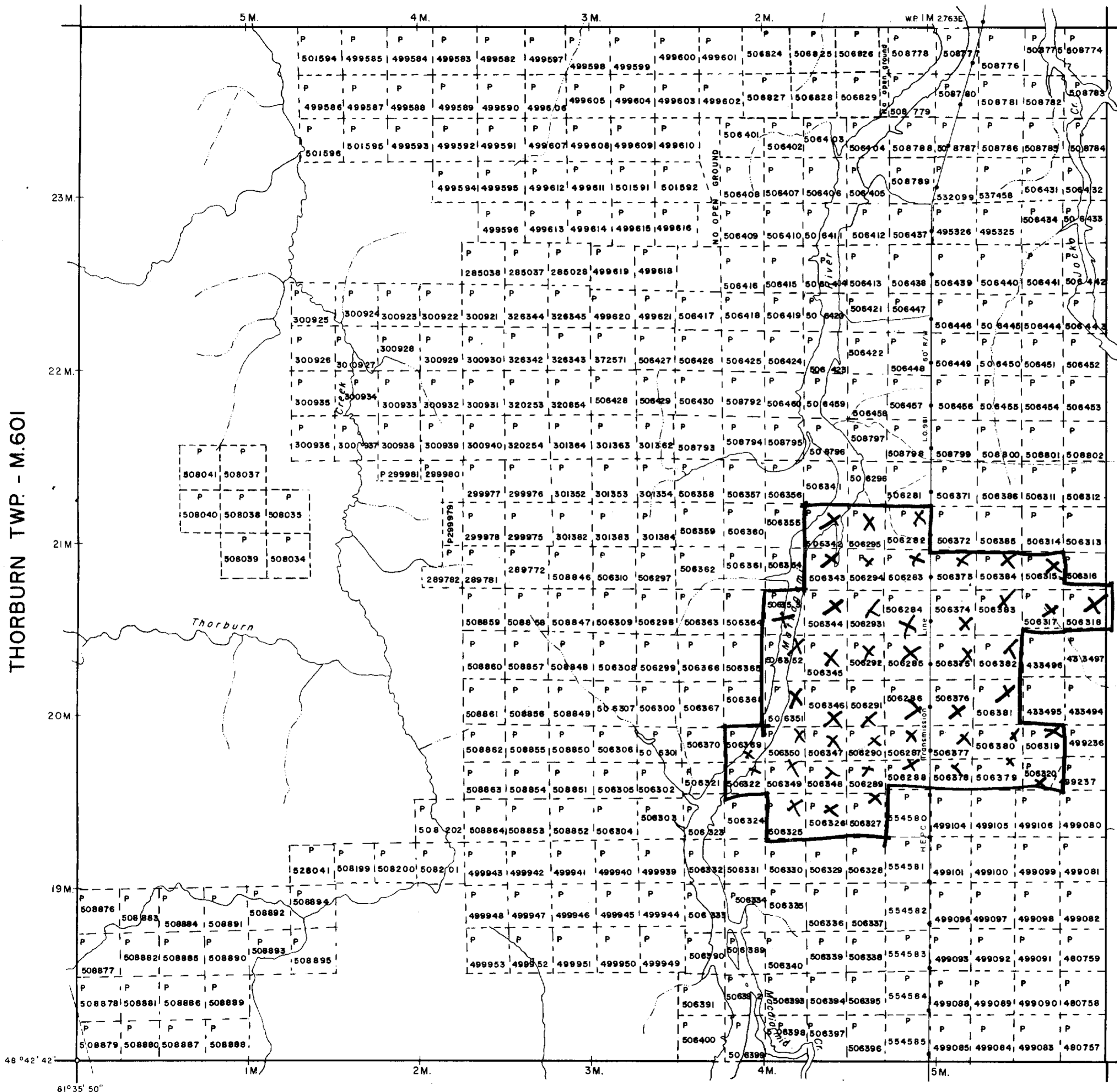
400' surface rights reservation along the shores of all lakes and rivers.

Subdivision of this twp. into lots and concessions annulled Aug. 19, 1953.

Flooding rights for areas along Mattagami River are reserved to Ontario Hydro. L.O.7085

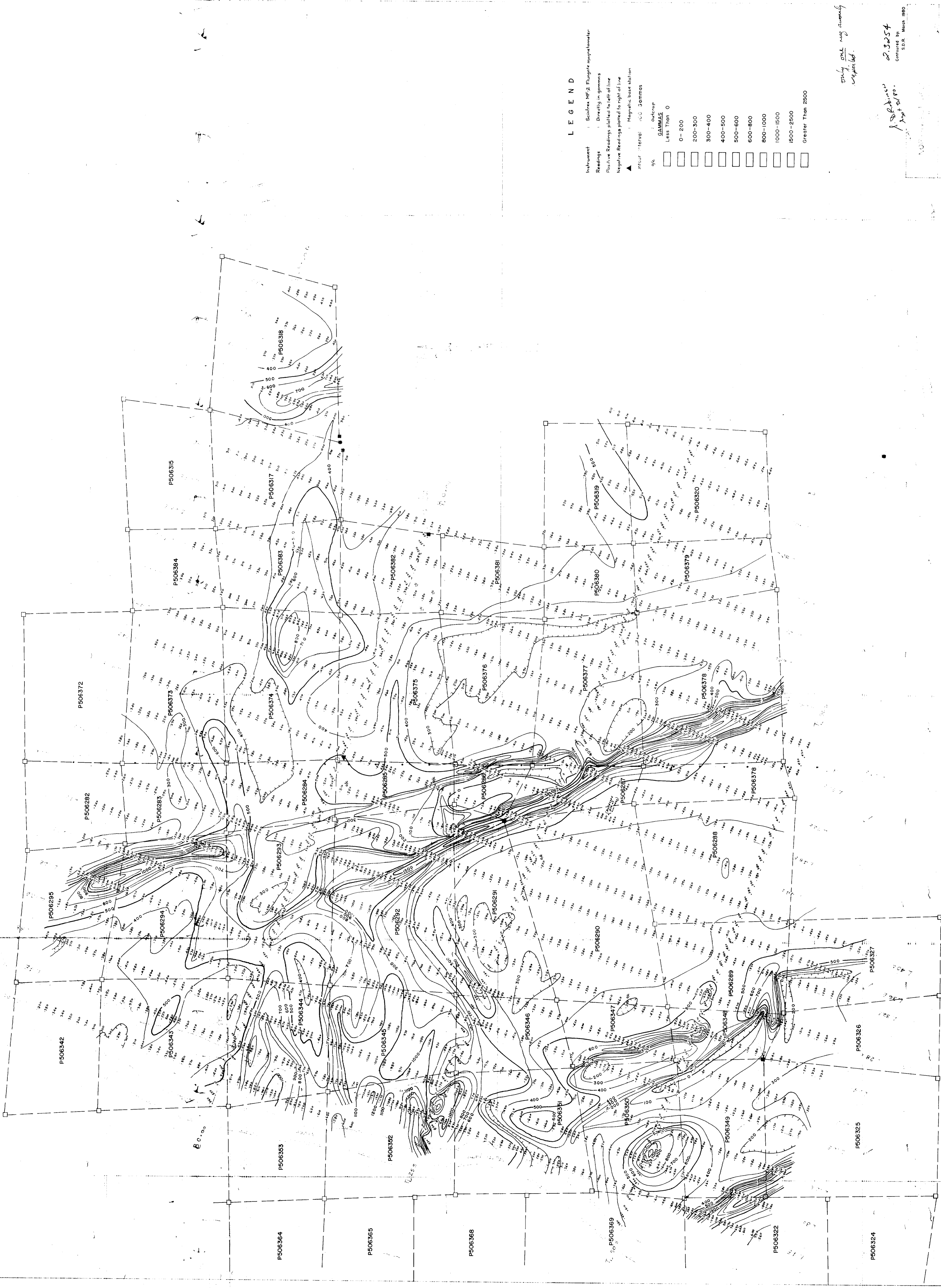
DATE OF ISSUE  
MAR 24 1980  
SURVEYS AND MAPPING  
BRANCH

PLAN NO. **M.575**  
ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH



MACDIARMID TWP. - M.294





**LEGEND**

- Instrument : Scintex MF-2 Flight magnetometer
- Readings : Directly in gammas
- Positive Readings plotted to left of line
- Negative Readings plotted to right of line
- ▲ : Magnetic base station
- g/g : outcrop
- GAMMAS : Less Than 0
- 0-200
- 200-300
- 300-400
- 400-500
- 500-600
- 600-800
- 800-1000
- 1000-1500
- 1500-2500
- Greater Than 2500

*only one mag anomaly reported.*

*2.3254*  
*measured by*  
*S.O.R. March 1980*

MAGNETOMETER SURVEY

