



42A13SE0014 2.4138 GEARY

RECEIVED

010

SEP 17 1981

MINING LANDS SECTION

REID PROJECT  
MAGNETOMETER SURVEY  
GEARY TOWNSHIP  
ONTARIO  
- 1981 -

S.D. Robinson  
August 1981  
Minerals  
N.T.S. 42A



## 1.0 INTRODUCTION

A magnetometer survey was carried out on 8 claims on grid P and 11 claims on grid Q all within Geary Township, Timmins, Ontario (Figures 1 and 2, Table 1). Tech Terrex Inc. of Omemeo Ontario carried out the survey during May and June 1981.

All the claims are held by Gulf Minerals Canada Limited.

## 2.0 ACCESS

The property is accessible only by helicopter during the summer months since a bridge on the Geary-Wilhelmina Township boundary on the lumber road from Smooth Rock Falls is impassable. The property is accessible by track vehicle through Loveland and Thorburn Townships from the Kamiskotia highway during the winter months.

## 3.0 GEOLOGY

The geology of the claim block is not known due to the absence of outcrops in the area. However, a felsic-mafic contact has been postulated to pass east west across the claim group. The mafics are thought to occur on the north side of the contact.



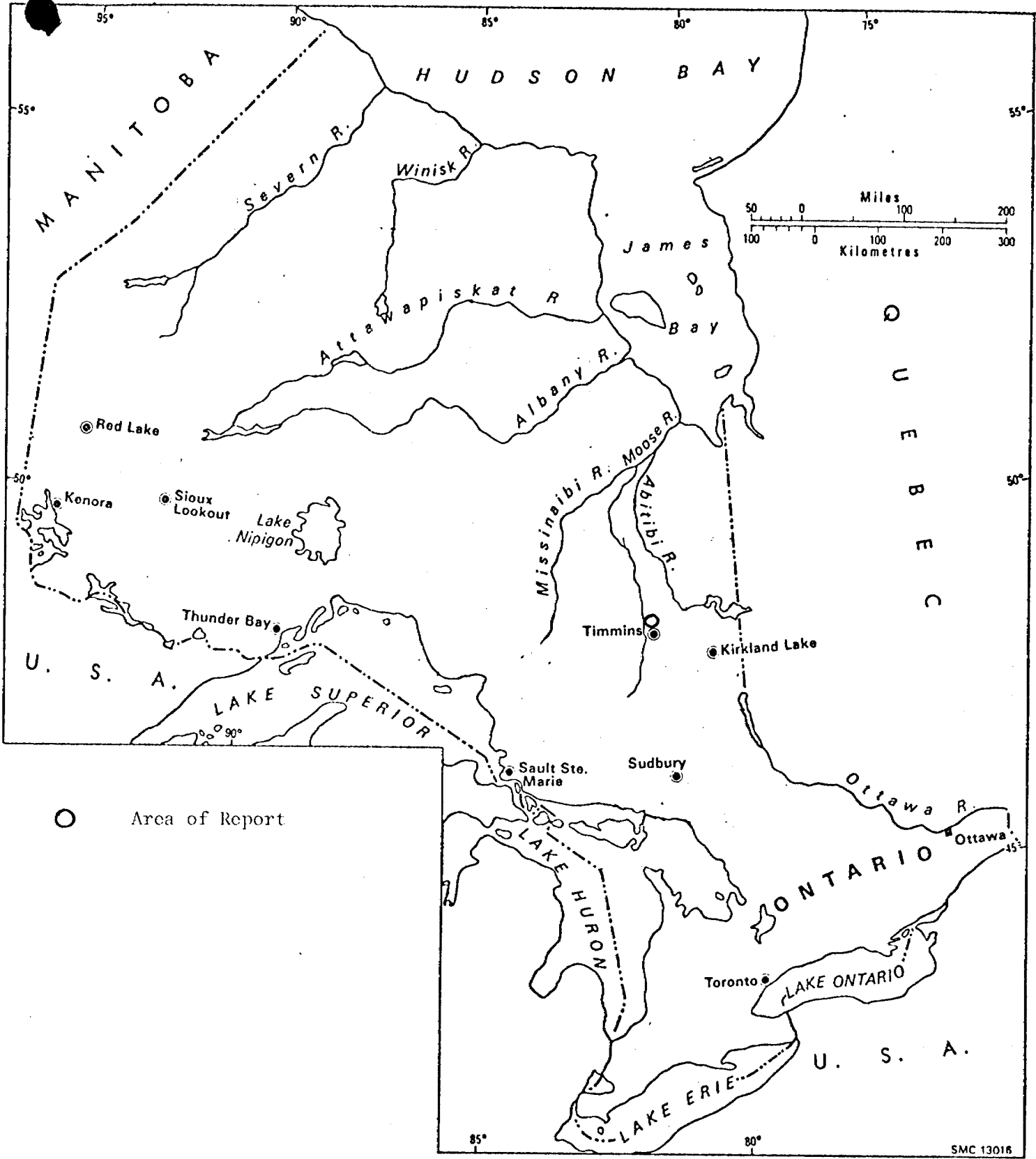


Figure 1 Location Map

## TABLE I

## Magnetometer Survey - Grids P and Q

## Grid P

Claim No.	Claim No.
P.530134	P.530138
P.530135	P.530141
P.530136	P.530142
P.530137	P.530144

## Grid Q

Claim No.	Claim No.
P.530115	P.530121
P.530116	P.530122
P.530117	P.530123
P.530118	P.596125
P.530119	P.596126
P.530120	



#### 4.0 SURVEY METHOD

The magnetic survey was carried out with a Gem-8 magnetometer. In order to maintain magnetic control a central base station with a continuous daily magnetic printout was set up. Diurnal corrections were made according to the magnetic printout. A base value of 59,000 gammas was used throughout the survey.

Approximately 13.0 kilometres of line were surveyed on grid P and 21.55 kilometres of line were surveyed on grid Q. The lines were cut at 100 metre intervals and oriented nearly north-south. A few lines on the southern part of grid Q were oriented nearly east-west. Readings were taken at 25 metre intervals throughout; however, in anomalous areas the readings were taken at 12.5 metre intervals.

#### 5.0 RESULTS

##### 5.1 Grid P

The magnetic relief on grid P is generally low with several magnetic highs. An east-west magnetic high occurs from about 75 metres south to 150 metres south on lines 13W to 15W inclusive. A second magnetic high occurs at 50 metres south on lines 8W and 9W and a third magnetic high is present on line 9W at 75 metres north.

##### 5.2 Grid Q

The background magnetic relief on the north sheet is relatively flat. Several magnetic highs are present and they occur as follows: 21+50 metres north on Line 4E as well as on Lines 2E to 1W inclusive,



24+75 metres north on Lines 1W to 1E inclusive and weak on Lines 2E and 3E, and at 23+75 metres north on 14E.

The magnetic relief on the south sheet is low and no magnetic anomalies are apparent.

#### 6.0 RECOMMENDATIONS

An electromagnetic survey should be carried out over the entire grid to determine whether or not any electromagnetic conductors occur on the two grids, particularly associated with the magnetic anomalies.

*A. S. Robinson*  
*81-27-08*



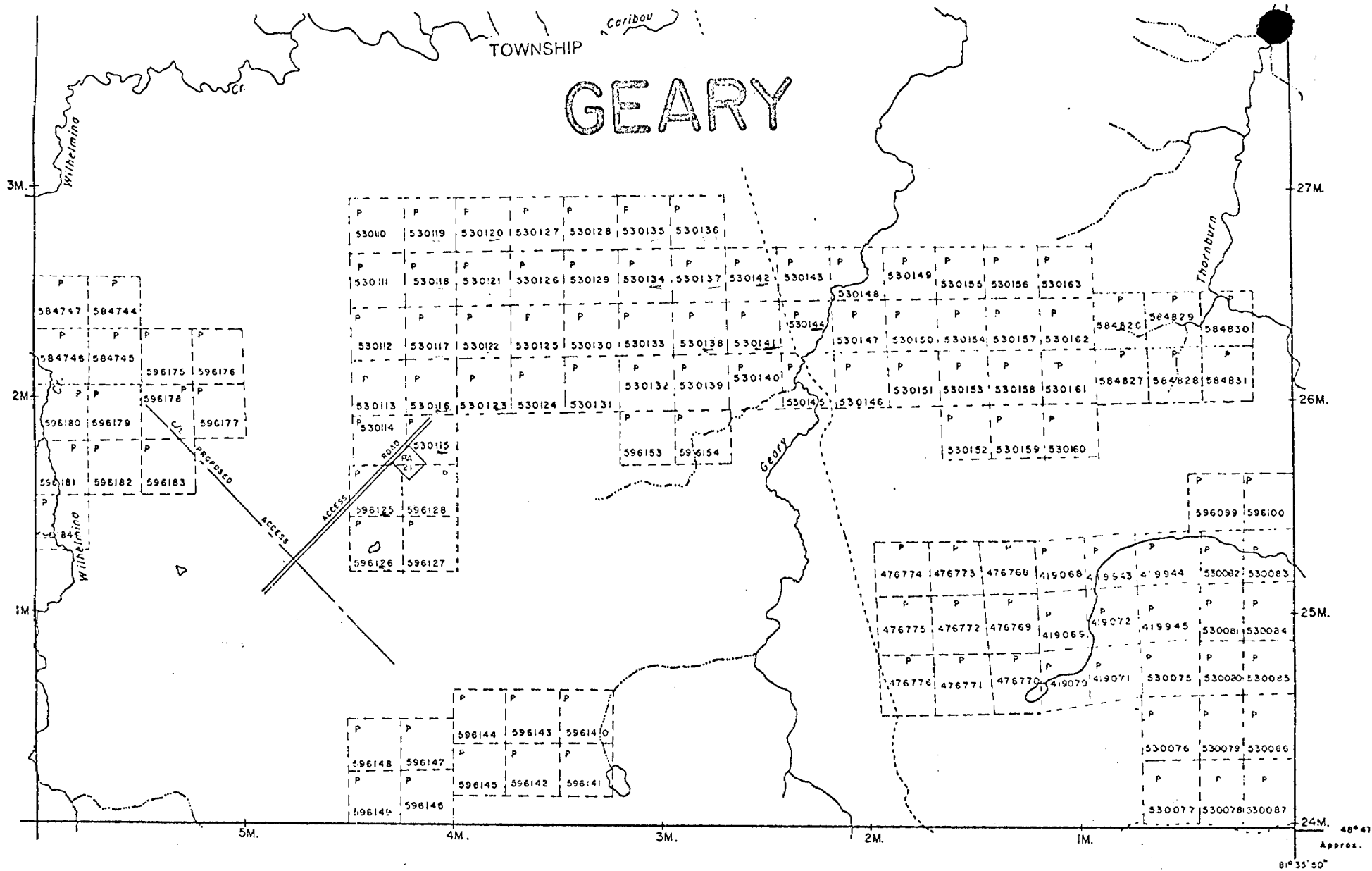


Figure 2 Claim Map

Technical Data Statement

The technical data statement contains all the pertinent information.

Table II lists the claims for which assessment credits are being applied.

Even though some of the claims have not been completely covered by the survey 40 days of assessment credit per claim is being applied for. It is expected that an overall averaging of the assessment credits will be made, or that some of the claims will receive a reduced number of days of credit while others receive 40 days.







Ministry of Natural Resources

File 6



42A13SE0014 2.4138 GEARY

900

TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

RECEIVED

SEP 17 1981

MINING LANDS SECTION

Type of Survey(s) Magnetometer
Township or Area Geary Township
Claim Holder(s) Gulf Minerals Canada Limited

Survey Company Tech Terrex Inc.
Author of Report Stanley D. Robinson
Address of Author 29 Silverton Avenue, Downsview, Ontario
Covering Dates of Survey February - July 1981
Km (linecutting to office)
Total Miles of Line Cut 34.55 kilometres

Table with 2 columns: SPECIAL PROVISIONS CREDITS REQUESTED, DAYS per claim. Includes categories like Geophysical, Electromagnetic, Magnetometer, Radiometric, Other, Geological, Geochemical.

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

Magnetometer Electromagnetic Radiometric (enter days per claim)

DATE: August 19, 1981 SIGNATURE: S. D. Robinson Author of Report or Agent

Res. Geol. Qualifications 22709

Table with 4 columns: File No., Type, Date, Claim Holder. Includes handwritten initials 'LD' in the Claim Holder column.

MINING CLAIMS TRAVERSED List numerically. See Table II attached. (prefix) (number). TOTAL CLAIMS 19

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 25 and 12.5 metres Line spacing 100 metres  
Profile scale 1 cm = 500 gammas  
Contour interval N/A

MAGNETIC

Instrument GEM - 8 magnetometer  
Accuracy - Scale constant 1 gamma  
Diurnal correction method Mathematical with base station printout  
Base Station check-in interval (hours) Continuous magnetic printout at base station  
Base Station location and value Base camp - Loveland Township  
59,000 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 \_\_\_\_\_

TABLE II

## Distribution of Assessment Credits

## Grid P

Claim No.	Days Applied For	Claim No.	Days Applied For
P.530134	40	P.530138	40
P.530135	40	P.530141	40
P.530136	40	P.530142	40
P.530137	40	P.530144	40

## Grid Q

Claim No.	Days Applied For	Claim No.	Days Applied For
P.530115	40	P.530121	40
P.530116	40	P.530122	40
P.530117	40	P.530123	40
P.530118	40	P.596125	40
P.530119	40	P.596126	40
P.530120	40		

Total Claims	Grid P	8
	Grid Q	<u>11</u>
		19



**NOTES**

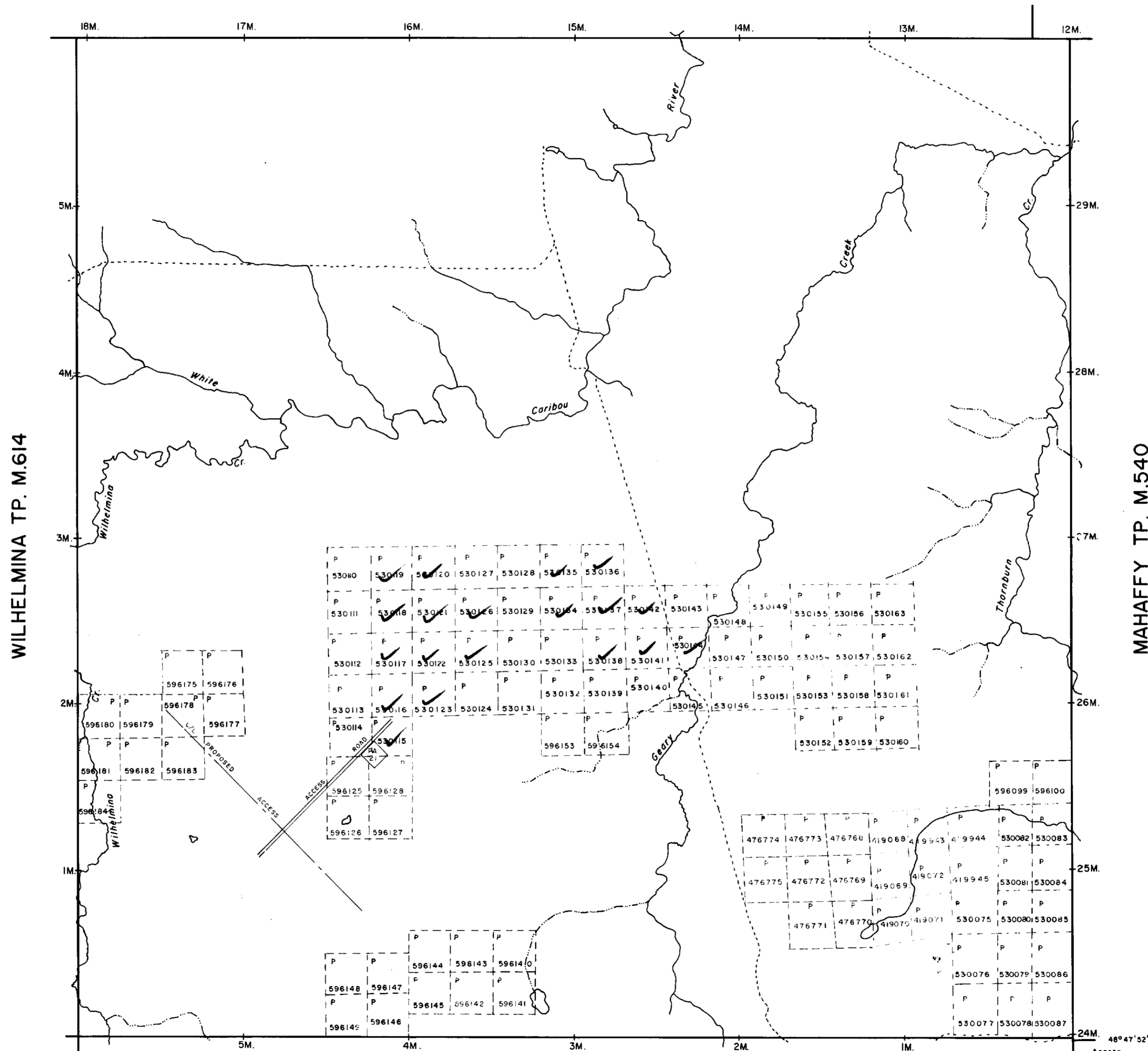
400' surface rights reservation along the shores of all lakes and rivers.

DATE OF ISSUE  
**FEB 16 1982**  
 Ministry of Natural Resources  
 TORONTO



200

**KINGSMILL TP. M.521**



**THORBURN TP. M.601**

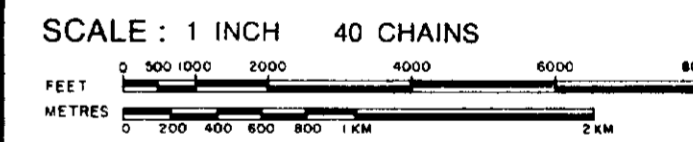
2438

**LEGEND**

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES

**DISPOSITION OF CROWN LANDS**

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
SURFACE RIGHTS ONLY	○
MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	■
SURFACE RIGHTS ONLY	□
MINING RIGHTS ONLY	◻
LICENCE OF OCCUPATION	▼
CROWN LAND SALE	C.S.
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊗
SAND & GRAVEL	⊕



ACRES	HECTARES
40	16

TOWNSHIP **2.4138**

**GEARY**

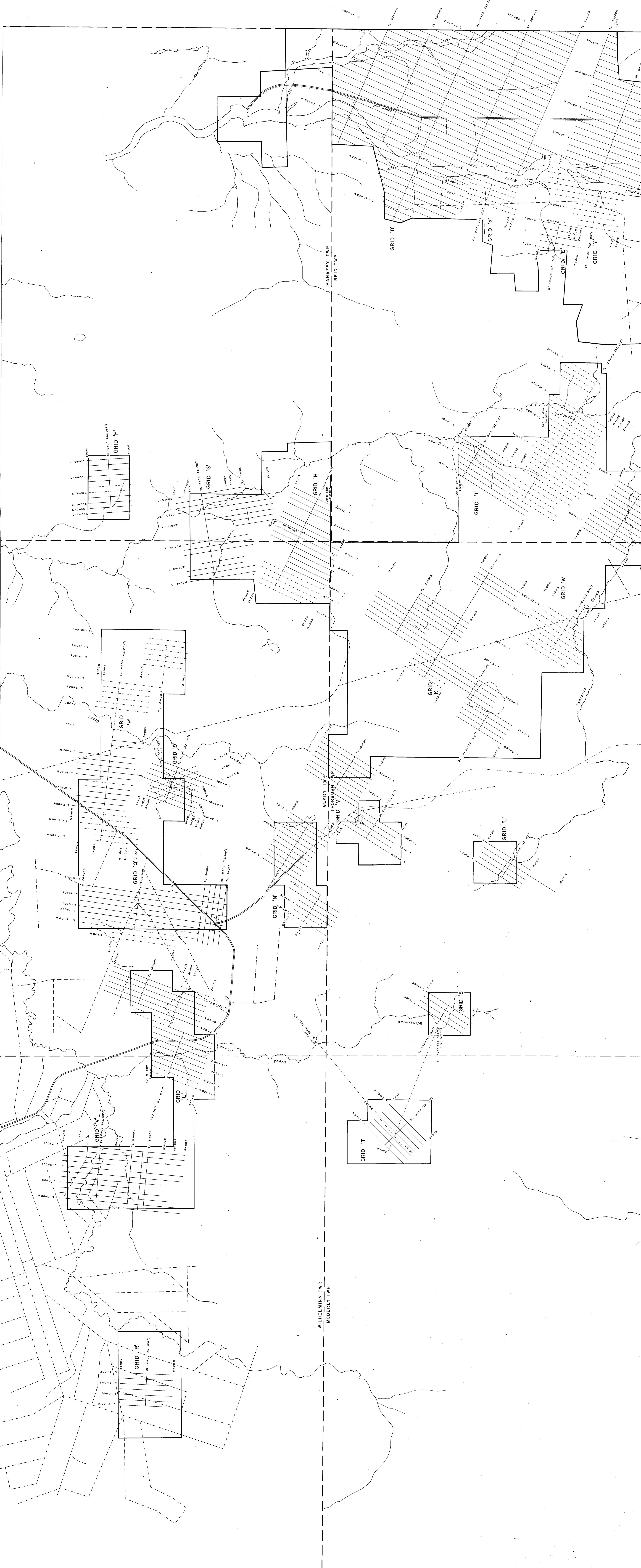
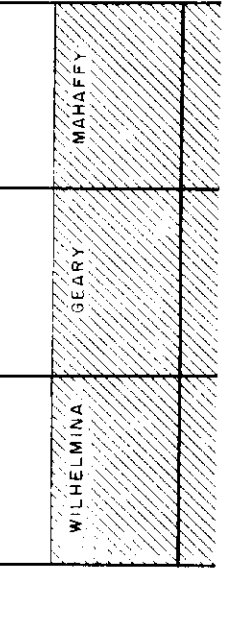
DISTRICT  
**COCHRANE**  
 MINING DIVISION  
**PORCUPINE**

Ministry of Natural Resources

Ontario Surveys and Mapping Branch

Date **MAY 15, 1973** Plan No.

Whitney Block Queen's Park, Toronto **M.482**





**LEGEND**  
 Dashed line: Magnetic contour  
 Solid line: Grid line  
 Dotted line: Profile line  
 (Profile base level: 59,000 ft)

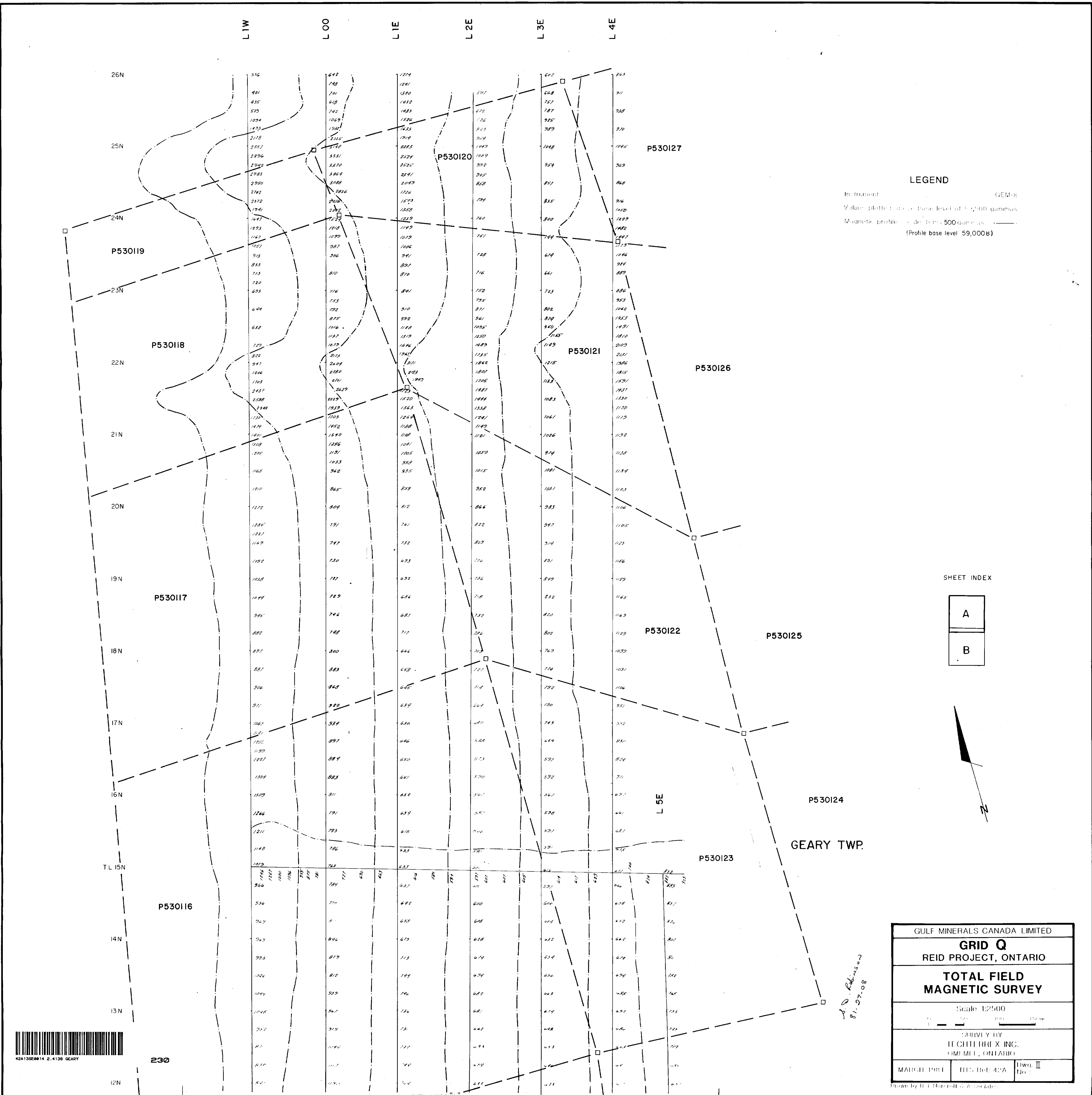
GULF MINERALS CANADA LIMITED		
<b>GRID P</b>		
REID PROJECT, ONTARIO		
<b>TOTAL FIELD MAGNETIC SURVEY</b>		
Scale 1:2500		
SURVEY BY TECHTERREX INC. OMEMEE, ONTARIO		
MARCH 1981	NTS Ref: 42A	Dwg. I No. :
Drawn by R. T. Marcroft & Associates		



GEARY TWP.

220

*A.O. Collins  
81-27-88*



**LEGEND**

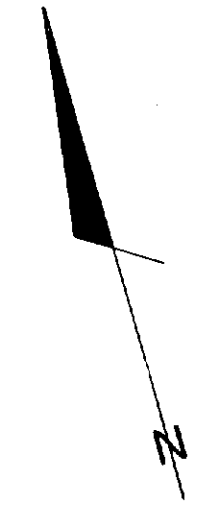
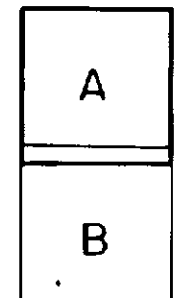
Instrument: GEM-8

Value plotted: at a base level of 59,000 gammas

Magnetic profile: scale 1 cm = 500 gammas

(Profile base level: 59,000G)

SHEET INDEX



230

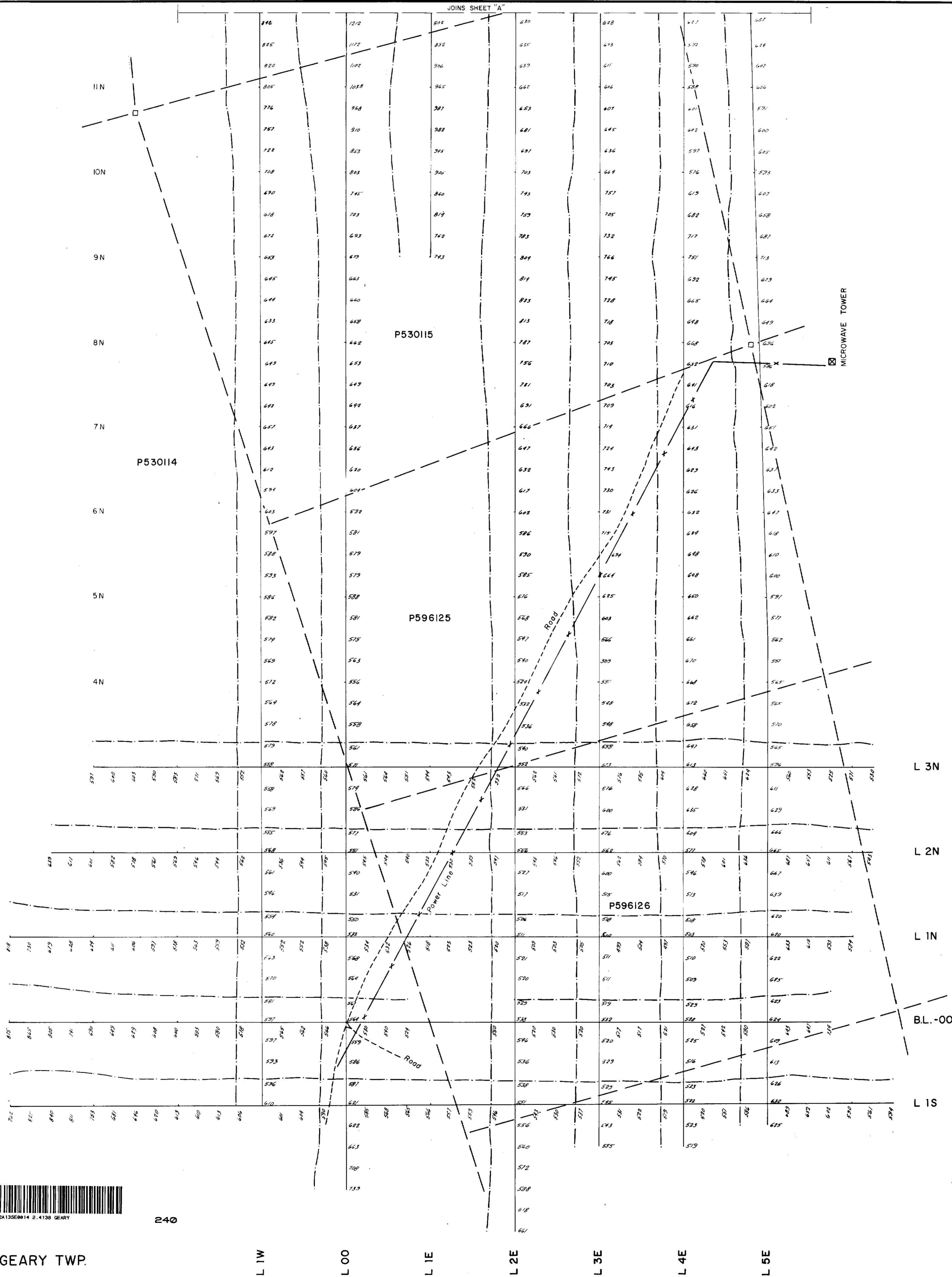
*A.D. Robinson  
81-27-08*

GULF MINERALS CANADA LIMITED		
<b>GRID Q</b>		
REID PROJECT, ONTARIO		
<b>TOTAL FIELD MAGNETIC SURVEY</b>		
Scale 1:2500		
SURVEY BY TECHNIPLEX INC. OMNIUM, ONTARIO		
MARCH 1981	DIS. 106-42A	Sheet II No. 1

Drawn by B. J. Thompson Associates

2.4138

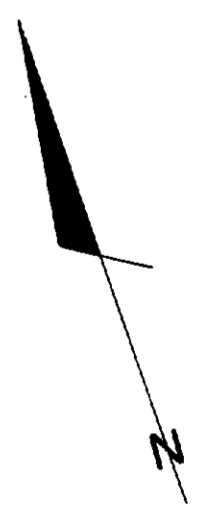
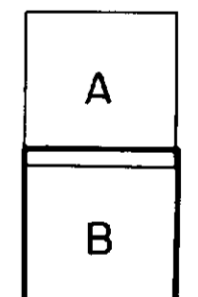
JOINS SHEET "A"



**LEGEND**

Instrument ..... CEM-8  
 Values plotted above base level of 59,000 gammas  
 Magnetic profile scale 1cm=500gammas  
 (Profile base level 59,000g)

**SHEET INDEX**



GULF MINERALS CANADA LIMITED		
<b>GRID Q</b>		
REID PROJECT, ONTARIO		
<b>TOTAL FIELD MAGNETIC SURVEY</b>		
Scale 1:2500 0 50 100 150m		
SURVEY BY TECHTERREX INC. OMEMEE, ONTARIO		
MARCH 1981	NTS Ref: 42A	Dwg. III No.:

Drawn by R.T. Marcroft & Associates

*J.D. Robinson  
81-27-09*



240

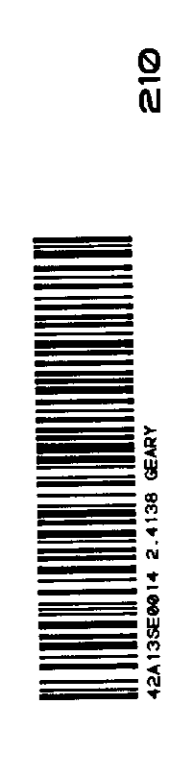
GEARY TWP.

L 1W      L 1O      L 1E      L 2E      L 3E      L 4E      L 5E

11N  
10N  
9N  
8N  
7N  
6N  
5N  
4N  
L 3N  
L 2N  
L 1N  
B.L. -00  
L 1S

24139





810

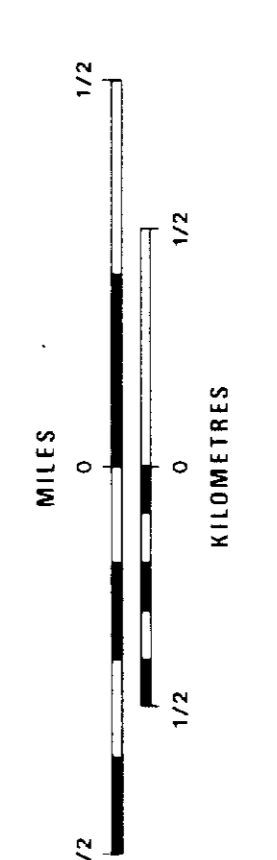
MOBERLY TWP  
BYERS TWP

THORBURN TWP  
LOVELAND TWP

REID TWP  
MACDIARMID TWP

DATE: 1988  
SCALE: 1:50,000  
DRAWN BY: [Name]  
CHECKED BY: [Name]

REID PROJECT  
MAP OF GRIDS  
ALL RIGHTS RESERVED  
EXCEPT COPYRIGHT  
ONTARIO  
Staff: [Name]



NAD 83 REFERENCE 42A

12	11	10
13	12	11
14	13	12

