



42J065W0005 2.4941 SOUTH OF RIDGE LAKE

010

**REPORT OF WORK  
MAGNETOMETER SURVEYS  
LOWLANDS PROJECT  
Property: Ho. 54**

**RECEIVED**

**JUL 12 1982**

**MINING LANDS SECTION**

**I.F. Downie  
Thunder Bay,  
May, 1982**

## INTRODUCTION

This report refers to results of magnetometer surveys done in the area of the James Bay Lowlands Project, north of Hearst, Ontario.

## LOCATION and ACCESS

The properties lie some 100km north and slightly east of Hearst, and has reference no.54. It lies at latitude  $50^{\circ}35'N$ , and longitude  $84^{\circ}00'W$ .

Access is by helicopter from a camp on the Fox River some 45km n.n.w. from Hearst.

## WORK

Grids The grid consists of a base-line from which picket-lines are cut at right angles at intervals of 100m. All picket-lines and base-lines are marked by pickets at intervals of 25m.

Magnetometer Surveys Surveys are done using Geometrics G816 or G816/826 magnetometers: These are of the proton precession type and measure the total magnetic field. The instruments have a digital read-out, and give an accuracy of  $\pm 1$  gamma. The data are reduced to a local datum, and corrected for diurnal variation with reference to the output from a Geometrics G826, base-station magnetometer. Results are presented as contoured plans.

## RESULTS

Discussion of results is presented in note form in which reference is made to individual anomalies by grid co'ordinates of their peak responses.

PROPERTY: No. 54

LOCATION: N.T.S. 42J6 GRID 42J6-12 Ext.

CLAIMS : 573922-3, 573926-7, 597678-9

PLAN NO : LO 3357

WORK : Line-cutting - Base-line - None  
- Picket-lines - 9750m extended from  
prior grid.

: Magnetometer Survey

The main feature is a large, equidimensional anomaly peaking at 600+ at 950N, 1300W, which has a small lobe at its south end, and a flanking low to the north and east.

The depth to the top is estimated at less than 50m, and the source is probably related to a large carbonatite immediately west of the claim block.

The anomaly should be tested by diamond drilling.

  
I.F. Downie



42J6650005 2.4941 SOUTH OF RIDGE LAKE

900



Ministry of Natural Resources

Report of Work (Geophysical, Geological, Geochemical and Expenditures)

South of Ridge Lake #233 M-2813

- Instructions: - Please type or print. - If number of mining claims traversed exceeds space on this form, attach a list. Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns. - Do not use shaded areas below.

Lowland-P54 Grid 12 Ext. N The Mining Act 2.4941

Form header with fields: Type of Survey(s) Geophysical, Claim Holder(s) Selco Inc., Address 55 University Ave., Survey Company Selco Inc., Date of Survey (from & to) Oct. 81 Mar. 82, Total Miles of line Cut 6.75, Name and Address of Author (of Geo-Technical report) I.F. Downie - 1173 Roland St., Thunder Bay, Ont. P7B 5M5

Table with 3 columns: Special Provisions, Man Days, Airborne Credits. Rows include: For first survey: Enter 40 days (This includes line cutting); For each additional survey: using the same grid: Enter 20 days (for each); Complete reverse side and enter total(s) here; Note: Special provisions credits do not apply to Airborne Surveys.

Table with 3 columns: Mining Claim Prefix, Mining Claim Number, Expend. Days Cr. Includes handwritten entries: P 590678 40, 597679 40, 597922 40, 597923 40, 597926 40, 597927 40. Includes stamps: RECEIVED JUL 7 1982, PORCUPINE MINING DIVISION RECEIVED MAY 20 1982, RECORDED JUN 23 1982.

Form footer with fields: Expenditures (excludes power stripping), Type of Work Performed, Performed on Claim(s), Calculation of Expenditure Days Credits (Total Expenditures \$ + 15 = Total Days Credits), Instructions (Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.)

Form footer with fields: For Office Use Only (Total Days Cr. Recorded Date Recorded June 23/82), Mining Records, Total number of mining claims covered by this report of work 6



Mining Lands Comments

*[Faint handwritten text, possibly "Mining Lands Section"]*

*[Large handwritten signature]*

To: Geophysics

*Mr. Barkow*

Comments

*- maps not signed*

*- no key map*

Approved

Wish to see again with corrections

Date *Apr 26*

Signature *[Signature]* 31/83

To: Geology - Expenditures

Comments

Approved

Wish to see again with corrections

Date

Signature

To: Geochemistry

Comments

*[Handwritten mark]*

Approved

Wish to see again with corrections

Date

Signature

1983 03 28

2.4941

Selco Incorporated  
55 University Avenue  
Suite 1700  
Toronto, Ontario  
M7J 2H7

Attn: Ms. J.E. Rackley.

Dear Sirs:

RE: Geophysical (Magnetometer) Survey submitted on  
Mining Claims P 597678 et al in the Area South  
of Ridge Lake.

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Enclosed are the plans, in duplicate, for the above  
mentioned survey. In order to complete your submission we  
require the maps to be signed by the author of the report.

For further information, please contact Mr. F.W. Matthews  
at 416/965-1380.

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1380

A. Barr:sc

cc: Mining Recorder  
Timmins, Ontario

1982 07 22

2.4941

Mining Recorder  
Ministry of Natural Resources  
60 Wilson Avenue  
Timmins, Ontario  
P4N 2S7

Dear Sir:

We have received reports and maps for a Geophysical  
(Magnetometer) Survey submitted under Special Provisions  
(credit for Performance and Coverage) on Mining Claims  
P 597678 et al in the Area of South of Ridge Lake.

This material will be examined and assessed and a  
statement of assessment work credits will be issued.

Yours very truly,

E.F. Anderson  
Director  
Land Management Branch

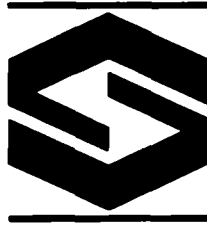
Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Phone: 416/965-1316

J. Skura/sc

c.c. Selco Inc  
Toronto, Ontario  
Attn: J.E. Rackley

c.c. I.F. Downie,  
Thunder Bay, Ontario.

**SELCO INC.**



55 University Avenue Suite 1700  
Toronto Ontario M5J 2H7 Telephone: (416) 361 0794  
Telex: 06 22537 Cable: Selcoex Toronto

July 12, 1982

Ministry of Natural Resources  
Mining Lands Section  
Room 6450, Whitney Block  
Queen's Park  
Toronto, Ontario

Dear Sir,

RE: LOWLAND PROJECT - P54 - M.2813

Further to our Report of Work (May 27, 1982) please find enclosed the following:-

CONTENT  
(in duplicate)

Geophysical Report (Mag)  
Technical Data Sheet  
Drawing No. LO.3357

Yours very truly,

SELCO INC.

A handwritten signature in black ink, appearing to read 'J.E. Rackley', is written over a horizontal line.

J.E. Rackley  
Claims Control Co-ordinator

JER:rt  
Encl.

**RECEIVED**

**JUL 12 1982**

**MINING LANDS SECTION**





# GEOPHYSICAL TECHNICAL DATA

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

Number of Stations Mag = 371 Number of Readings Mag = 371  
Station interval 50m Line spacing 100m  
Profile scale \_\_\_\_\_  
Contour interval Every 20 Gammas

MAGNETIC

Instrument Geometrics G-816  
Accuracy – Scale constant + 1 Gamma  
Diurnal correction method Base Station  
Base Station check-in interval (hours) \_\_\_\_\_  
Base Station location and value Intersection of Base Lines and Cross Lines

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 \_\_\_\_\_

AREA  
SOUTH of  
RIDGE LAKE

DISTRICT OF  
COCHRANE

PORCUPINE  
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

- PATENTED LAND ⊙
- CROWN LAND SALE C.S.
- 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 \*
- CANCELLED C.

NOTES

400' surface rights reservation around all lakes and rivers

DATE OF ISSUE

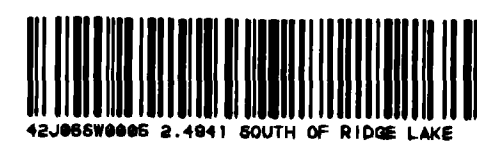
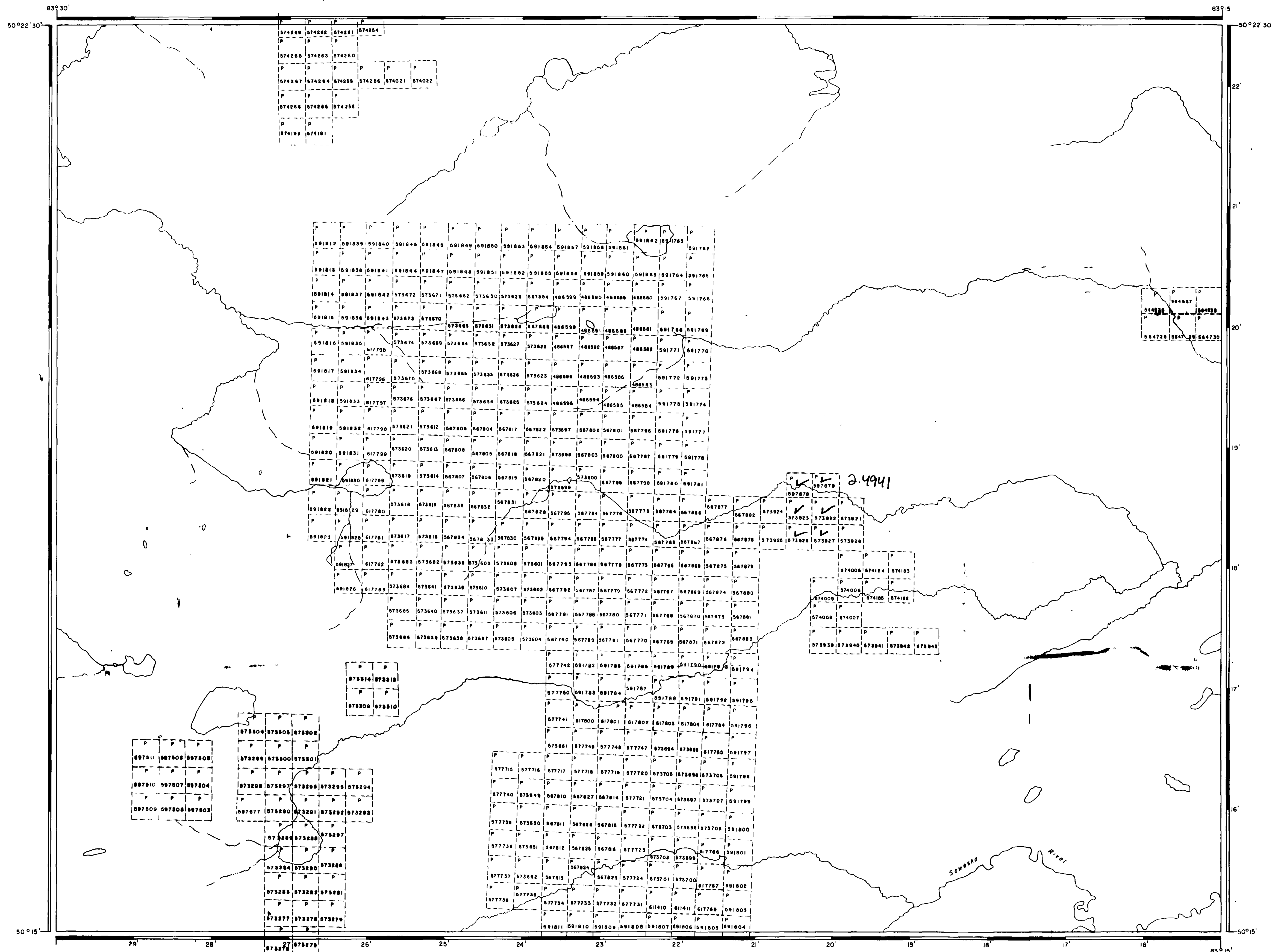
FEB - 3 1983

Ministry of Natural Resources  
TORONTO

NATIONAL TOPOGRAPHIC SERIES 42 J

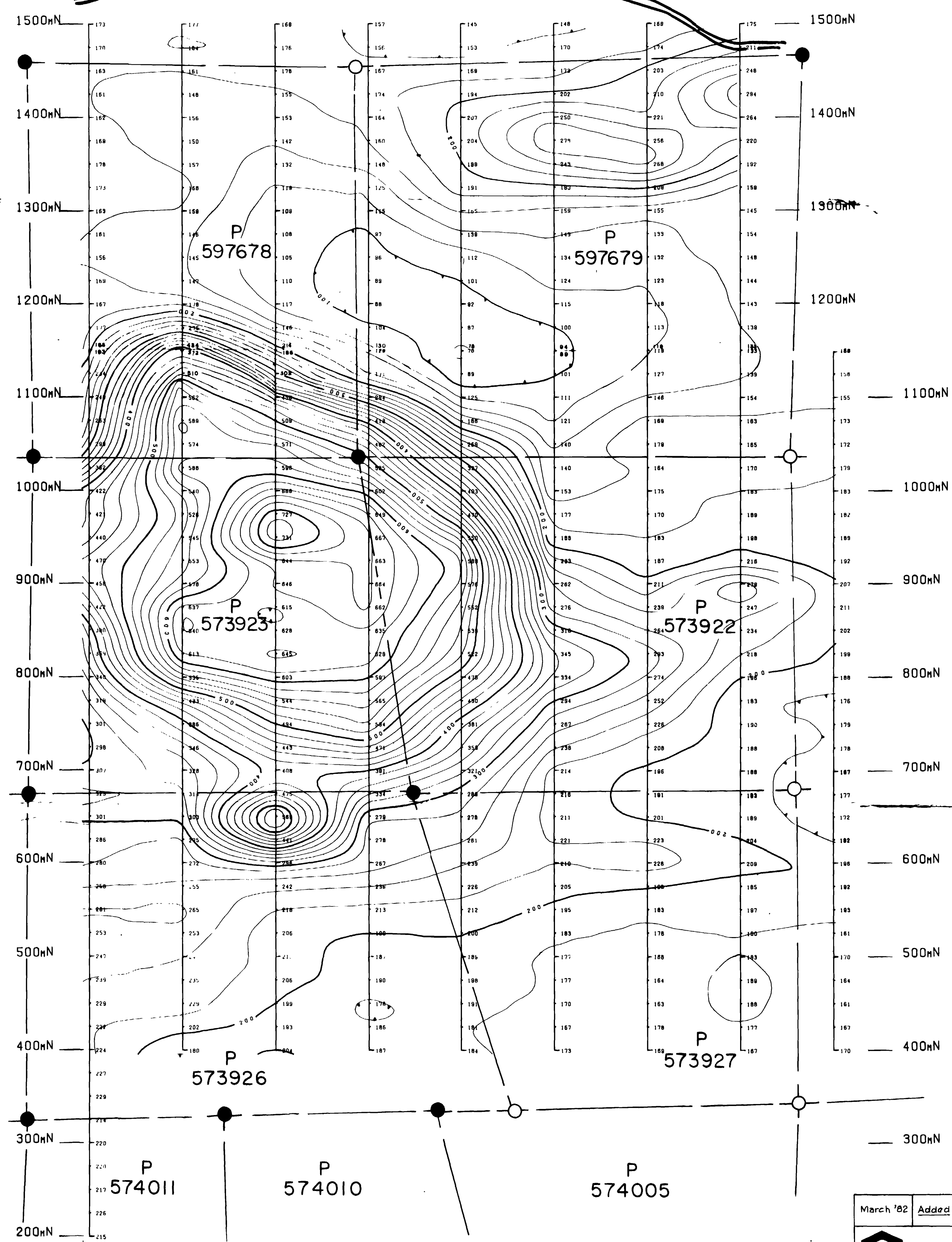
PLAN NO. M.2813

ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH



1500mW 1400mW 1300mW 1200mW 1100mW 1000mW 900mW 800mW

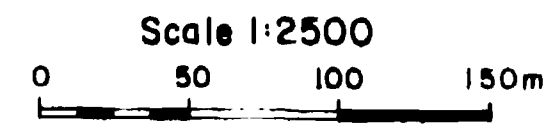
CREEK



OTHER INFORMATION	
SEE DRWG. NO	TYPE
LO.3108	MAG.- GRID I2, LOC. PLAN, D.D.H.



**MAGNETOMETER INSTRUMENT**  
 TYPE: GEOMETRICS G 816  
 Readings in Gammas: [ 107 / 130 ]  
 Base: 59,000  
 Profile:  
 Contour Interval: Every 20 gammas



March '82 Added 1100N to 1500N on lines 15W-8W

**SELCO INC.** EXPLORATION

**LOWLAND PROJECT**  
 N.T.S. 42J/6- GRID I2 EXTN.- PROPERTY 54  
 MAG. SURVEY

DRAWN BY A M	DATE Oct '81	PLAN NO L0.3357
TRACED BY Data Plot	DATE Nov '81	

