43B13NW0001

010

REPORT ON A MAGNETIC SURVEY

ANOMALY "GRID G1"
BLOCK "43B/13-16"
NTS 43B/13

BY

R. FACEY-CROWTHER
THUNDER BAY, ONTARIO

NOVEMBER 1988

DECLARATION

I, Richard Facey-Crowther, certify that I completed an Honours Bachelor of Science degree (Earth Science) in 1983 from Memorial University in Newfoundland.

I have been involved in geological exploration since 1972 with The Hanna Mining Company, Gulf Minerals Canada Limited and Hudson Bay Exploration and Development Company Limited.

I am presently employed by:

Monopros Limited
1112 Russell Street, Unit 6
Thunder Bay, Ontario
P7B 5N2

Richard Facey-Crowther

Richard Facey-Crowther
November 1988

LIST OF MAPS TO ACCOMPANY THIS REPORT

1. Locality map.
2. Total field magnetic readings map.
3. Total field contoured magnetic readings map.

1.0 INTRODUCTION

A programme of staking, line cutting and ground magnetometry was carried out during January, February, March and April, 1988, on a series of selected anomalies in northern Ontario. The work was performed under contract by Phantom Exploration under the supervision of Mr. I. Spence and the overall direction of Dr. J.A. Fowler. The claims are held by Dr. Fowler.

2.0 LOCATION AND ACCESS

The claims are located approximately 95 kilometres west of the community of Attawapiskat. Access to the claims is only possible by helicopter. The group of claims, referred to as "Grid G1" is located within the Porcupine Mining Division.

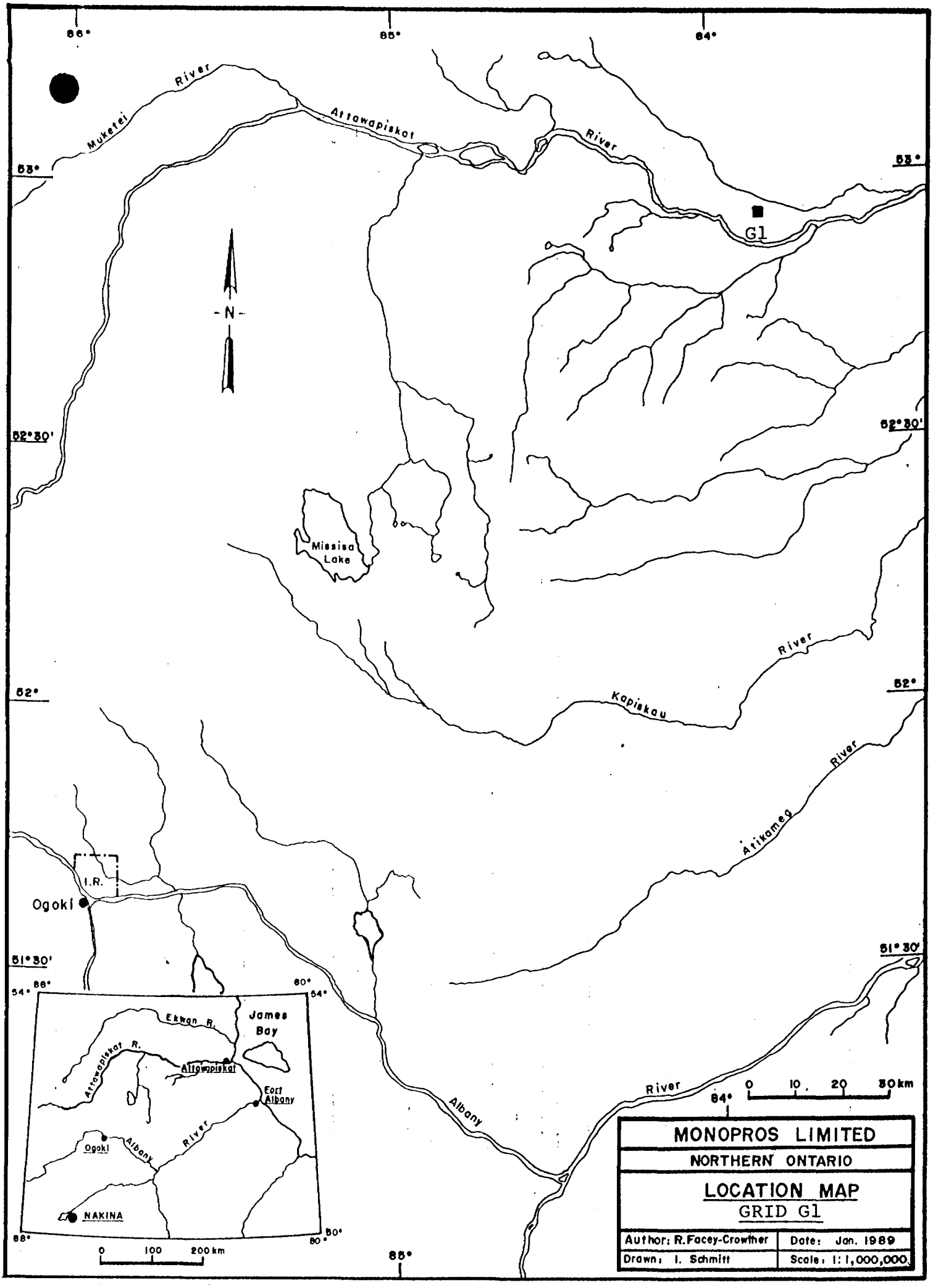
Grid G1 consists of a block of nine claims located six kilometres north of the Attawapiskat River on Claim Map G-1252.

3.0 GROUND MAGNETIC SURVEY

Grids were cut over each claim block with a 100 metre line spacing. Each grid consisted of an east-west base line and north-south tie lines. Stations were established every 25 metres along the lines. All distances were chained out from the base line.

The magnetometer survey was carried out using EDA PPM-375 units with an EDA PPM-375 or OMNI-IV base station. The data was corrected automatically by linking the field and base station units to correct for diurnal variation. All instruments read out the total magnetic field with an accuracy of 0.1 nanoteslas (nT).

The map of total field readings shows the positions and values of the stations, while the map of contoured total field values shows the contoured results.


86°
85°
84°
Muketei River
Attawapiskat River
53°
G1
N
52°30'
Missisa Lake
Kapiskau River
52°
Arikamea River
I.R.
Ogoki
51°30'
54°
88°
80°
84°
Ekwan R.
James Bay
Attawapiskat R.
Attawapiskat
Fort Albany
Ogoki
Albany River
NAKINA
88°
80°
50°
0 100 200 km
Albany River
0 10 20 30 km
MONOPROS LIMITED
NORTHERN ONTARIO
LOCATION MAP
GRID G1
Author: R. Facey-Crowther
Date: Jan. 1989
Drawn: I. Schmitt
Scale: 1:1,000,000

4.0 RESULTS

The magnetic background in this area is generally flat with values around 59,850 nT. A single roughly rectangular anomaly is centered at 2+50E 3+50N with its highest value of 60,519 nT at 3+00E 3+25N.

5.0 RECOMMENDATIONS

A single drill hole is recommended at 2+50E 3+50N to determine the source of the anomaly.

Richard Facey-Crowther

Richard Facey-Crowther
Thunder Bay, Ontario

43B13NW0001

900

Ontario Ministry of Northern Development and Mines

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

Mining Act

DOCUMENT No. W 8906.090

2.11991

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

Type of Survey(s)
GROUND MAGNETOMETER

Township or Area
528 834 G-1252

Claim Holder(s)
JONATHAN A. FOWLER

Prospector's Licence No.
A45284

Address
25 E. Adelaide St, Suite 1800, Toronto, Ontario M5C 1Y2

Survey Company
PHANTOM EXPLORATION/MONOPROS LIMITED

Date of Survey (from & to) Day 25 Mo. 02 Yr. 88 | Day 31 Mo. 03 Yr. 88

Total Miles of line Cut
19.8 Km

Name and Address of Author (of Geo-Technical report)
R. EACEY-CROWTHER, 1112 Russell St., Unit 6, Thunder Bay, Ontario P7B 5N2

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	- Electromagnetic	
	- Magnetometer	40
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

RECEIVED
MAR 1 1989
MINING LANDS SECTION

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.
P	1052718	
	1052719	
	1052720	
	1052721	
	1052722	
	1052723	
	1052724	
	1052725	
	1052726	

Prefix	Mining Claim Number	Exp. Days Cr.

RECORDED
DEC 28 1988

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

RECEIVED
DEC 28 1988

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.

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES OFFICE
MAR - 8 1989

Total number of claims reported: 9

For Office Use Only

Total Days Credits Recorded: 360

Date Recorded: Dec. 28/88

Mining Recorder: 12 March 89

Date: Dec 21 1988

Recorded Holder or Agent (Signature): Jonathan A. Fowler

Certification Verifying Report of Work

I hereby certify 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 and the annexed report is true

Name and Postal Address of Person Certifying

File_____

Ontario

Ministry of Natural Resources

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

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) Ground Magnetometry

Township or Area 528 834 G-1252

Claim Holder(s) Jonathan A. Fowler

Survey Company Phantom Exploration/Monopros Limited.

Author of Report R. Facey-Crowther

Address of Author 1112 Russell St., Unit 6, Thunder Bay

Covering Dates of Survey 25/02/88 - 31/03/88 (linecutting to office)

Total Miles of Line Cut 19.8 Km

SPECIAL PROVISIONS CREDITS REQUESTED

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

ENTER 20 days for each additional survey using same grid.

	DAYS per claim.
Geophysical	
–Electromagnetic	
–Magnetometer	40
–Radiometric	
–Other	
Geological	
Geochemical	

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

Magnetometer_____ Electromagnetic_____ Radiometric_____
(enter days per claim)

DATE: Dec. 21 1988 SIGNATURE: Richard Facey-Crowther
Author of Report or Agent

Res. Geol._____ Qualifications 2.8238

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix) (number)

P 1052718
P 1052719
P 1052720
P 1052721
P 1052722
P 1052723
P 1052724
P 1052725
P 1052726

If space insufficient, attach list

TOTAL CLAIMS 9

OFFICE USE ONLY

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 669 Number of Readings 669

Station interval 25 Metres Line spacing 100 Metres

Profile scale

Contour interval 50 nT

MAGNETIC

Instrument EDA Instruments Inc. Model PPM-375/OMNI-IV

Accuracy – Scale constant 0.1 nT

Diurnal correction method Automatic base station, 20 second interval.

Base Station check-in interval (hours) 20 seconds

Base Station location and value At base camp, 3.0 kilometres north of Attawapiskat River
52°53'00" Lat. 83°50'00" Long., Value 59,700 nT

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

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken _____

_____

_____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

_____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

_____

Drainage Development _____

Estimated Range of Overburden Thickness _____

_____

_____

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

_____

_____

_____

General _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

ANALYTICAL METHODS

Values expressed in: per cent ☐
p. p. m. ☐
p. p. b. ☐

Cu, Pb, Zn, Ni, Co, Ag, Mo, As,-(circle)

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____

_____

_____

_____

_____

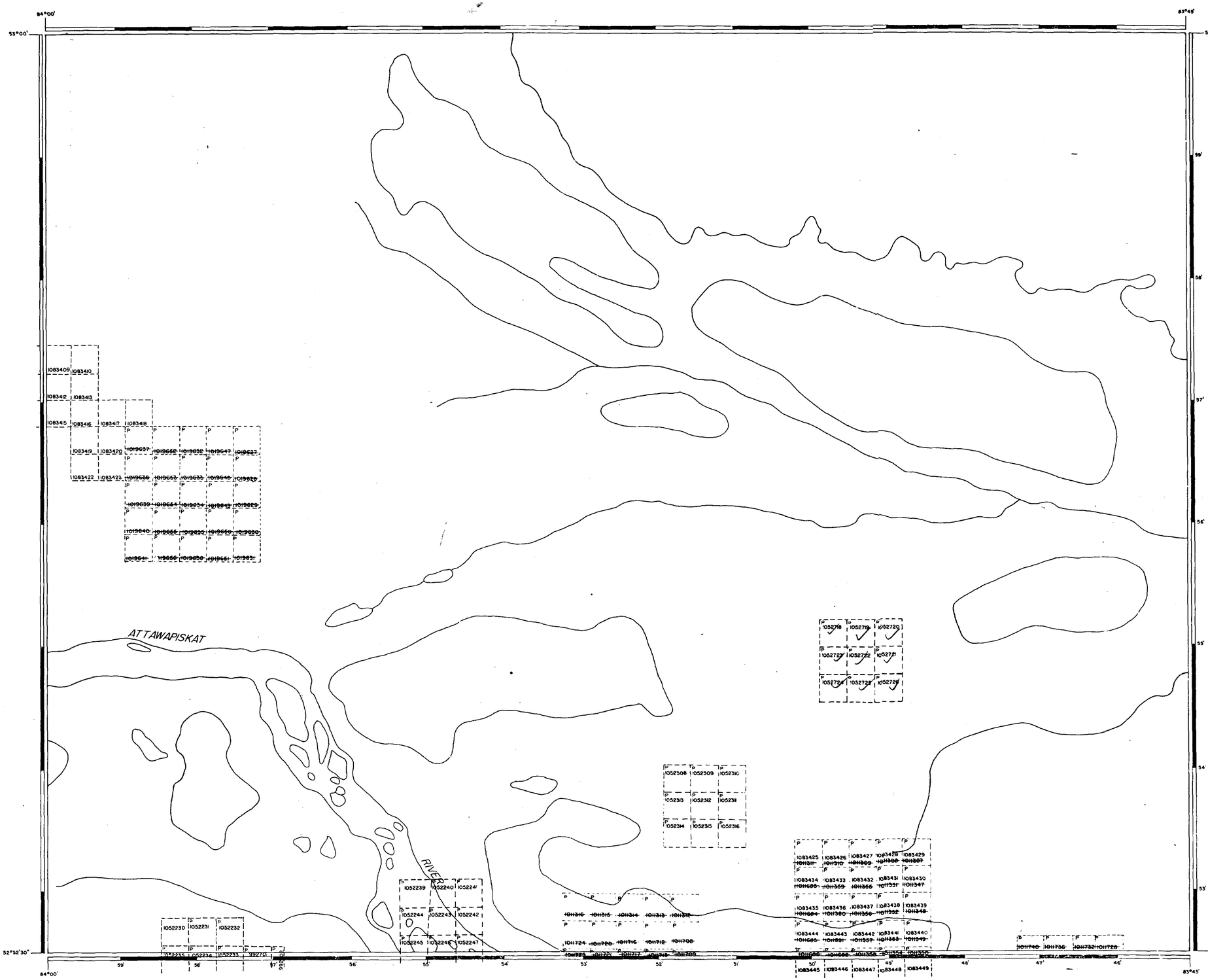
_____

_____

_____

_____

_____



527-834

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 OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

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	▼
ORDER-IN-COUNCIL	OC
RESERVATION	Ⓡ
CANCELLED	⊗
SAND & GRAVEL	Ⓢ

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 83, SUBSEC 1.

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

PORCUPINE MINING DIVISION
RECEIVED
DEC 21 1988

43B13NW0001

200

RECEIVED DECEMBER 1, 1987

AREA
528-834

M.N.R. ADMINISTRATIVE DISTRICT
MOOSONEE

MINING DIVISION
PORCUPINE

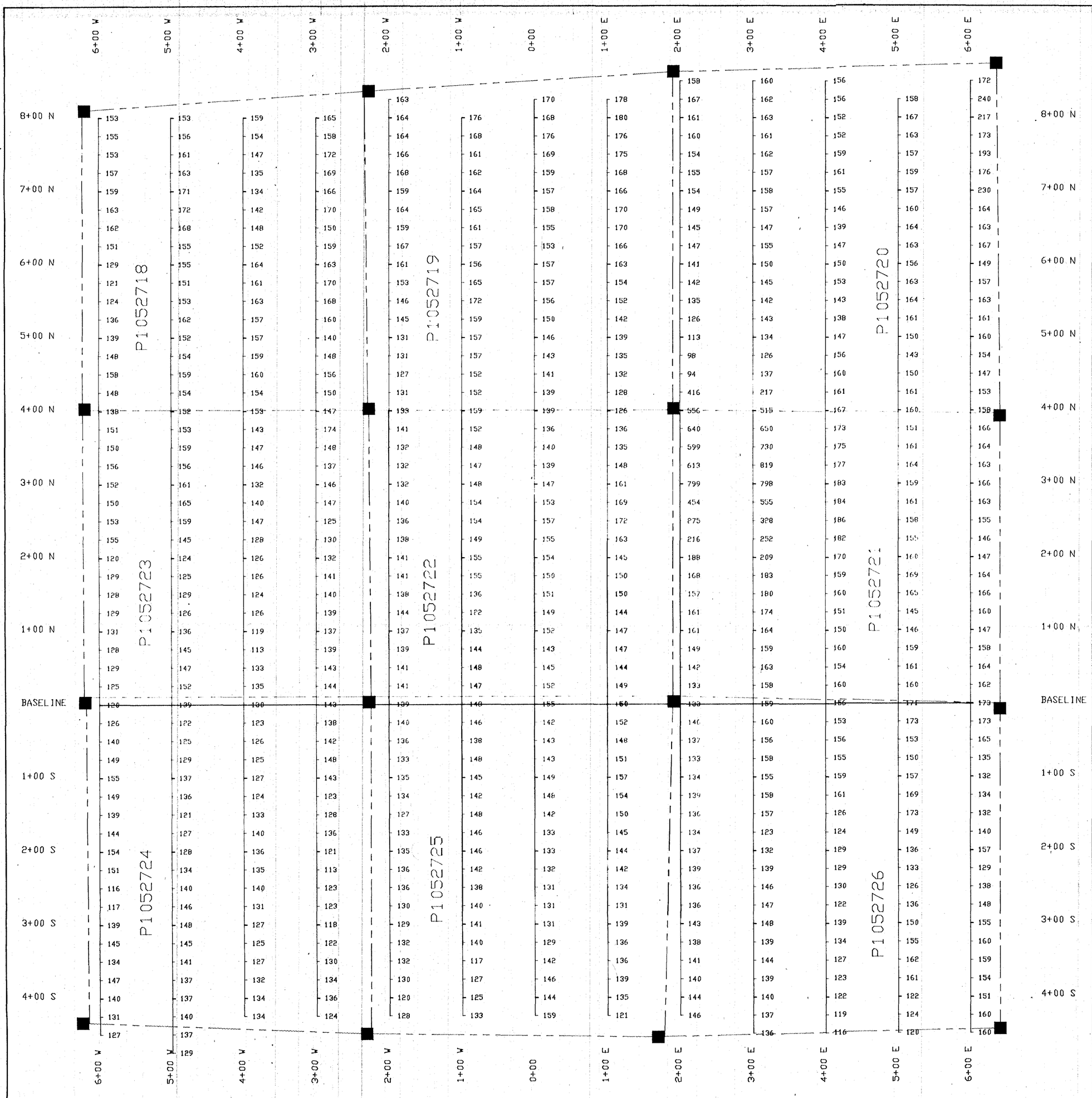
LAND TITLES / REGISTRY DIVISION
KENORA/PATRICIA PORTION

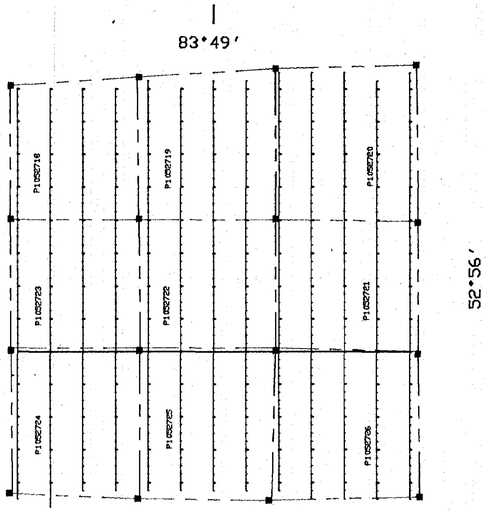
Ontario Ministry of Natural Resources
Ministry of Northern Development and Mines

Date NOVEMBER/1987

Number G-1252

[redacted]





LOCATION MAP ***SCALE 1:10,000***

210

LEGEND

MAGNETOMETER SURVEY

INSTRUMENT: EDA PPM-375/ OMNI IV
DATUM 59700 NANOTESLAS
SENSITIVITY: .01 NANOTESLAS
CONTOUR INTERVAL: 50 NANOTESLAS
MAGNETIC LOW:

BASE STATION RECORDER
INSTRUMENT: EDA PPM-375 / OMNI IV
RECORDING INTERVAL: 20 SECONDS

TOPOGRAPHY

CLAIM POST
RIVER
STREAM
SWAMP
LAKE SHORE

2.11991

BLOCK 43 B/13-16 GRID G1

PROTON MAGNETOMETER

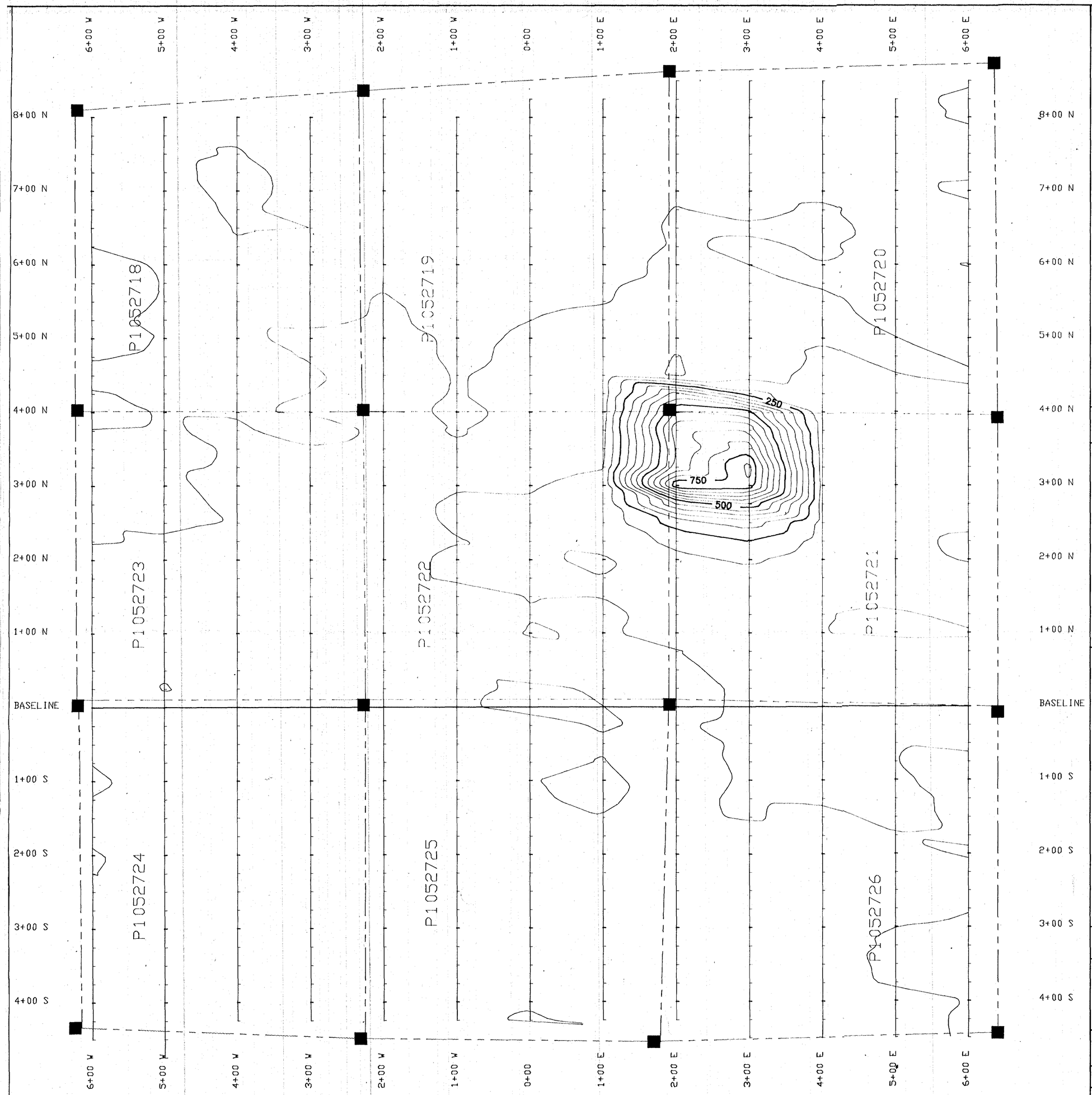
TOTAL FIELD READINGS

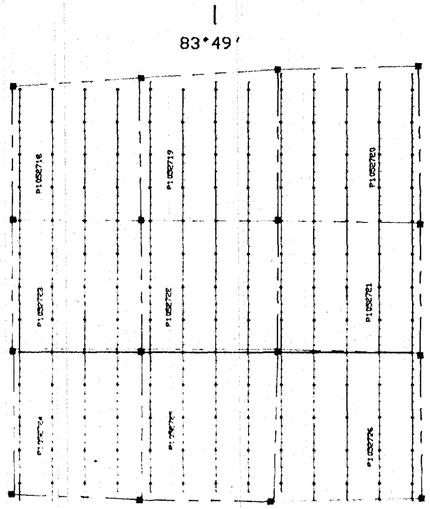
SCALE BAR 0 50 100 150 200 METRES

DATE: MAR. 1988	*SCALE: 1:2500*	*N.T.S. 43-B-13*

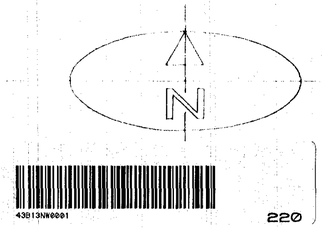
PHANTOM EXPLORATION SERVICES LTD.

[redacted]





LOCATION MAP *SCALE 1:10,000*



LEGEND

MAGNETOMETER SURVEY

INSTRUMENT: EDA PPM-375/ OMNI IV
DATUM 59700 NANOTESLAS
SENSITIVITY: .01 NANOTESLAS
CONTOUR INTERVAL: 50 NANOTESLAS
MAGNETIC LOW:

BASE STATION RECORDER
INSTRUMENT: EDA PPM-375 / OMNI IV
RECORDING INTERVAL: 20 SECONDS

TOPOGRAPHY

CLAIM POST
RIVER
STREAM
SWAMP
LAKE SHORE

2.11991

BLOCK 43 B/13-16 GRID C1

PROTON MAGNETOMETER

TOTAL FIELD CONTOURED READINGS

SCALE BAR 0 50 100 150 200 METRES

DATE: MAR. 1988	*SCALE: 1:2500*	*N.T.S. 43-B-13*

PHANTOM EXPLORATION SERVICES LTD.