



43B13SW0006

010

REPORT ON A MAGNETIC SURVEY

ANOMALY "GRID X"
BLOCK "43B/13-10"
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 X" is located within the Porcupine Mining Division.

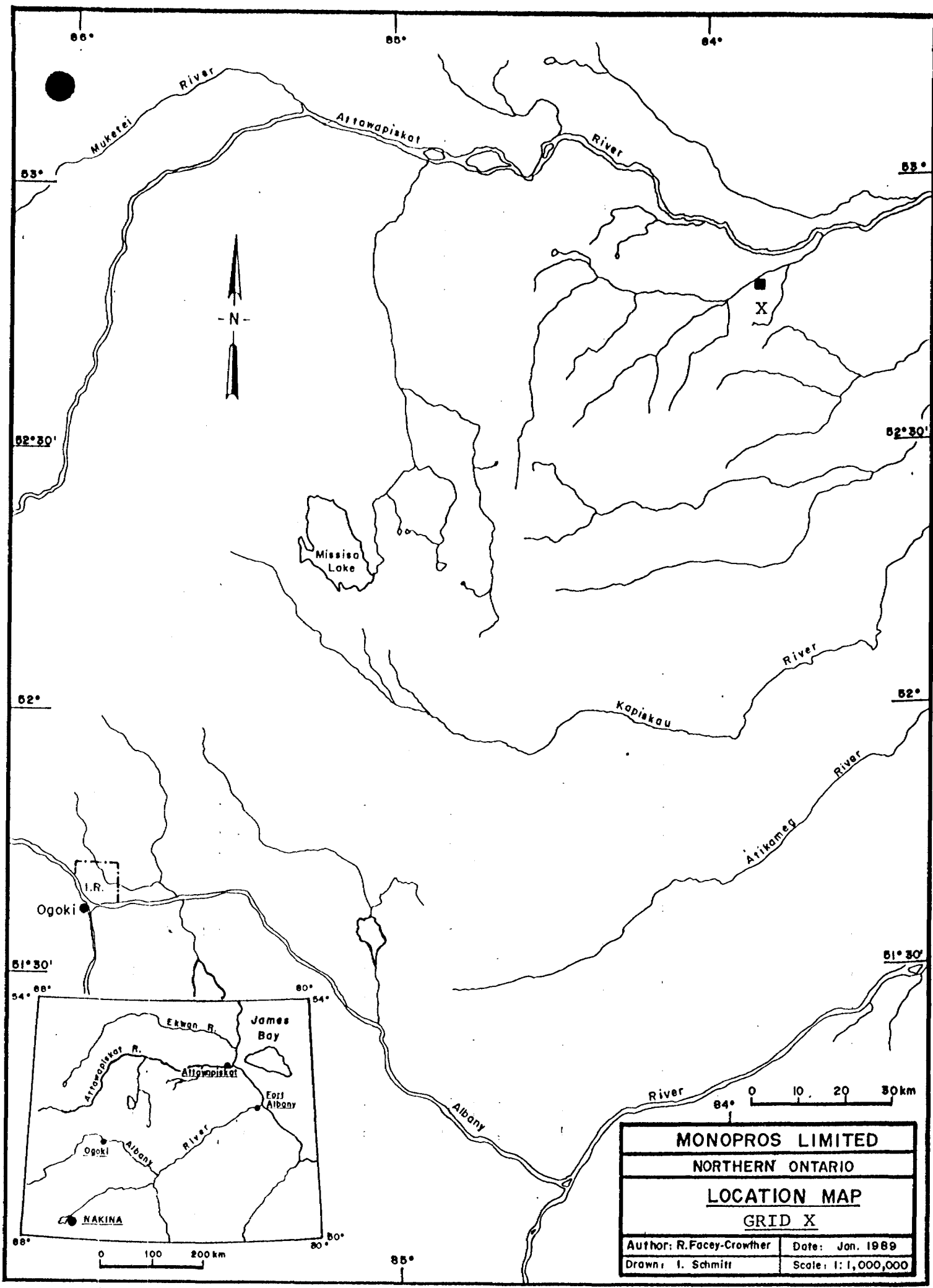
Grid X consists of nine claims south of an contiguous with two of the claims from Grid W on Claim Map G-1253. Grid X is approximately six kilometres south of the Attawapiskat River and 500 metres south east of a large creek cutting through Grid W.

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.



MONOPROS LIMITED	
NORTHERN ONTARIO	
LOCATION MAP	
GRID X	
Author: R. Facey-Crowther	Date: Jan. 1989
Drawn: I. Schmitt	Scale: 1:1,000,000

4.0 RESULTS

The magnetic background of 59,900 nT is disrupted by a roughly circular but complex anomaly peaking at 60,960 nT at 3+00E 5+00S. A low of 59,725 nT lies to the north at 2+00E 2+75S.

5.0 RECOMMENDATIONS

One drill hole is recommended at 3+00E 4+25S to determine the source of the anomaly.

Richard Facey-Crowther

Richard Facey-Crowther
Thunder Bay, Ontario



43B13SW0006

900



Ministry of Northern Development and Mines

Report of Work

(Geophysical, Geological, Geochemical and Expenditures)

- INSTRUCTIONS -
- reverse type or print.
 - 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." columns.
 - Do not use shaded areas below.

DOCUMENT No. W 8906-082
Mining Act

2.12003

Type of Survey: **GROUND MAGNETOMETER** Township or Area: **527 834 G-1253**

Claim Holder(s): **JONATHAN A. FOWLER** Provincial License No. **A43284**

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

Survey Company: **PHANTOM EXPLORATION/MONOPROS LIMITED** Date of Survey (from & to): **22, 02, 88 - 27, 03, 88** Total Miles of line cut: **19.2 Km**

Name and Address of Author (for the Technical report): **R. FACEY-CROWTHER, 1112 Russell St., Unit 6, Thunder Bay, Ontario P7B 5N2**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Electromagnetic	40
For each additional survey: using the same grid: Enter 20 days (for each)	Magnetometer	
	Radiometric	
	Other	
	Geological	
	Geochemical	
Men Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	Electromagnetic	
	Magnetometer	
	Radiometric	
	Other	
	Geological	
	Geochemical	
Airborne	Electromagnetic	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
P	1052265				
	1052266				
	1052267				
	1052268				
	1052269				
	1052270				
	1052271				
	1052272				
	1052273				

RECEIVED

MAR 1 1988

RECORDED

DEC 28 1988

RECEIVED
DEC 28 1988

Expenditures (excluding days credits)

Type of Work Performed: **PHANTOM EXPLORATION/MONOPROS LIMITED**

Performed on Claim(s): **25 E. Adelaide St, Suite 1800, Toronto, Ontario M5C 1Y2**

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.

MAR - 8 1989

Total number of mining claims covered by this report of work: **9**

Date: **Dec 21 1988** Recorded Holder or Agent (Signature): **Jonathan A. Fowler**

For Office Use Only

Total Days Credits Recorded: **360** Mining Receipts: **Dec 28 1988**

Branch Director: **W. White**



File _____

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 527 834 G-1253
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 Feb. 11/88 - Mar 31/88
Total Miles of Line Cut 19.2 Km

MINING CLAIMS TRAVERSED
List numerically

- P 1052265 (prefix) (number)
P 1052266
P 1052267
P 1052268
P 1052269
P 1052270
P 1052271
P 1052272
P 1052273

If space insufficient, attach list

Table with 3 columns: SPECIAL PROVISIONS CREDITS REQUESTED, Geophysical, DAYS per claim. Includes entries for Electromagnetic, Magnetometer, Radiometric, and Other.

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

Table with 4 columns: File No., Type, Date, Claim Holder. Includes header 'Previous Surveys'.

TOTAL CLAIMS 9

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 757 Number of Readings 757

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 59,800 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 _____

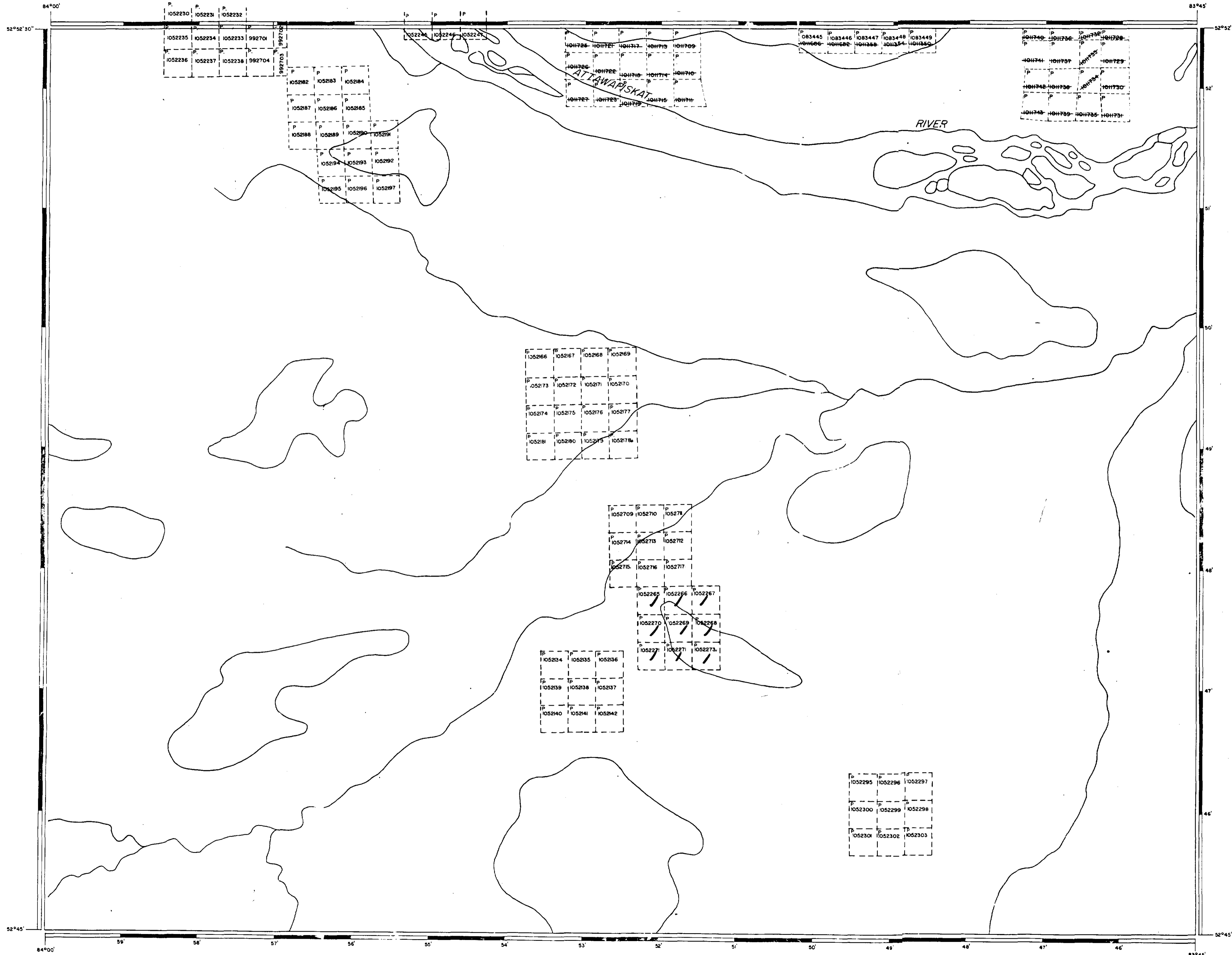
Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____

528-834



LEGEND

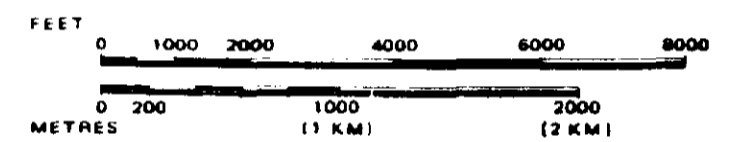
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS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

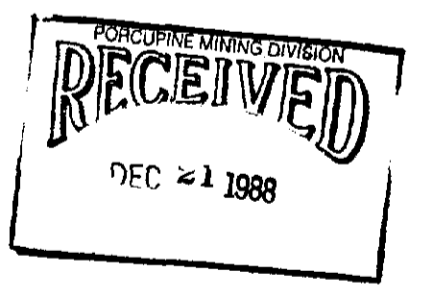
SCALE: 1 INCH = 40 CHAINS



AREAS WITHDRAWN FROM DISPOSITION

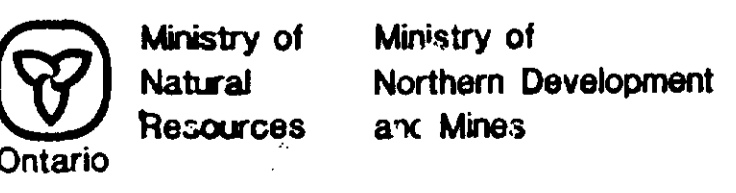
- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

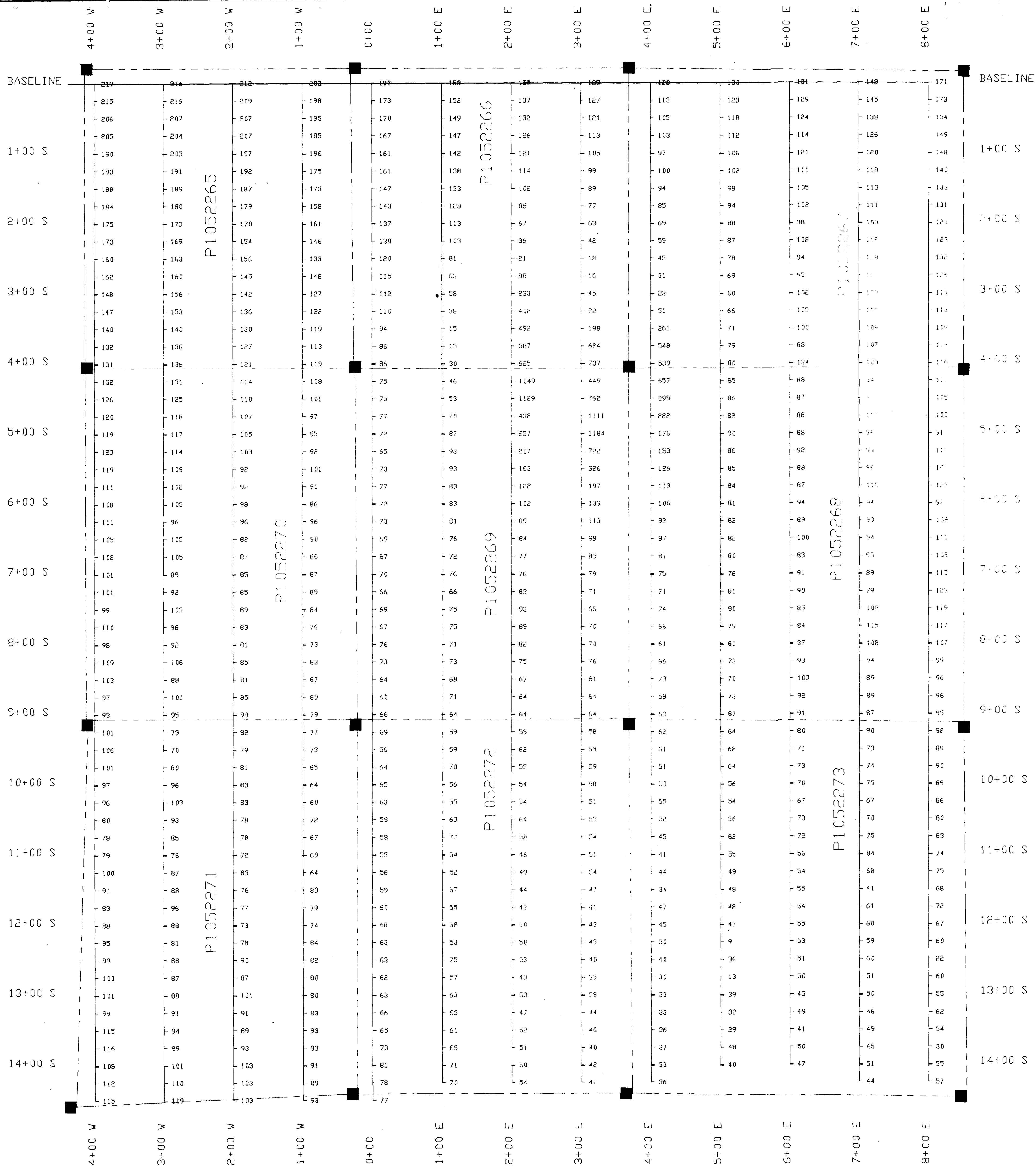


RECEIVED DECEMBER 1 1987

AREA
527-834
 M.P.R. ADMINISTRATIVE DISTRICT
 MOOSONEE
 MINING DIVISION
 PORCUPINE
 LAND TITLES / REGISTRY DIVISION
 KENORA/PATRICIA PORTION

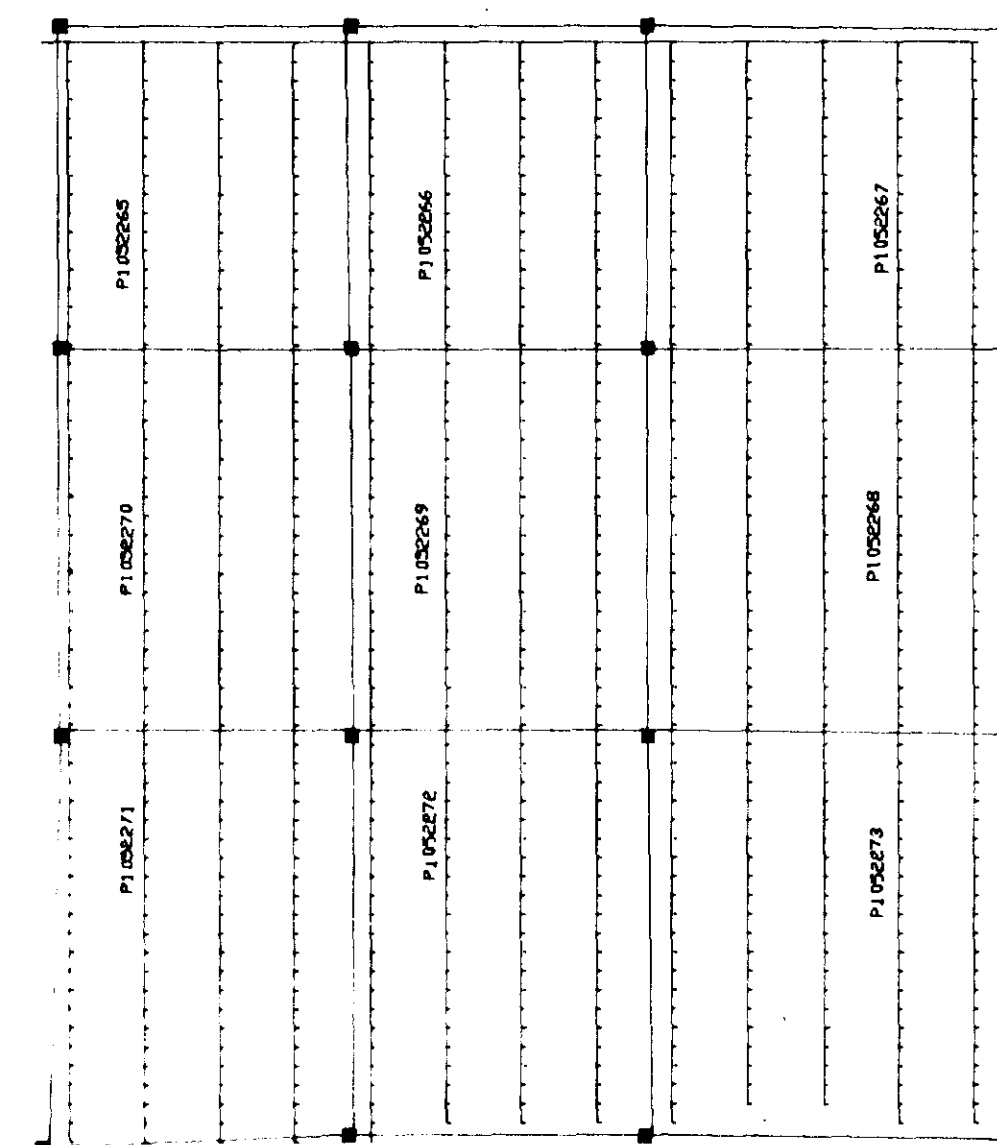


Date NOVEMBER /1987 Number G-1253



83° 51'

52' 47"

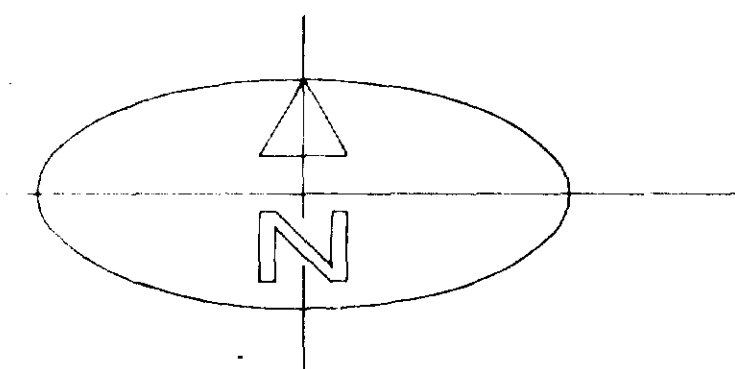


LOCATION MAP

SCALE 1:10,000



210



LEGEND

MAGNETOMETER SURVEY

INSTRUMENT: EDA PPM-375 / OMNI IV
 DATUM: 59800 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

2.1200

BLOCK 43 B/13-10 GRID

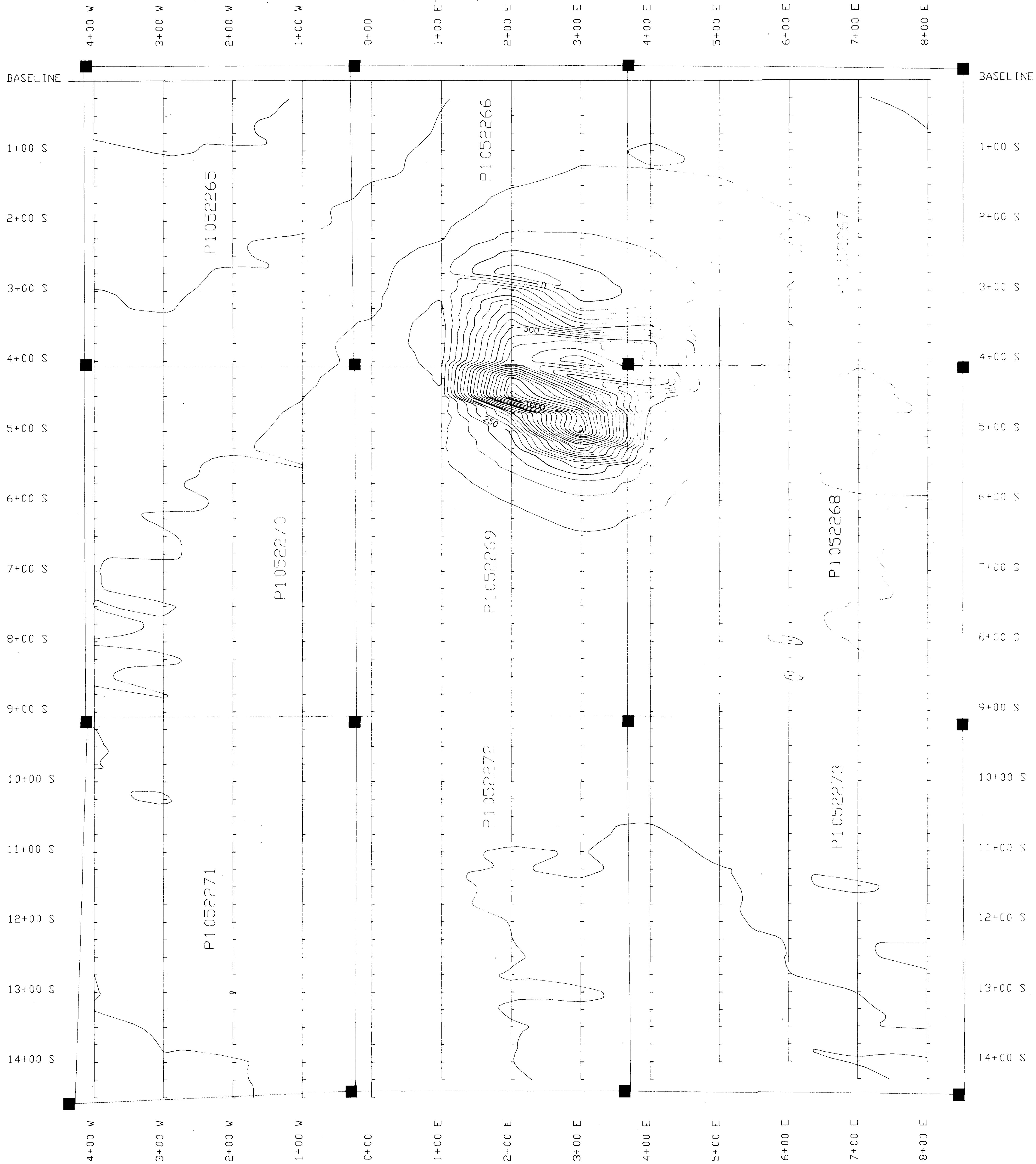
PROTON MAGNETOMETER

TOTAL FIELD READINGS

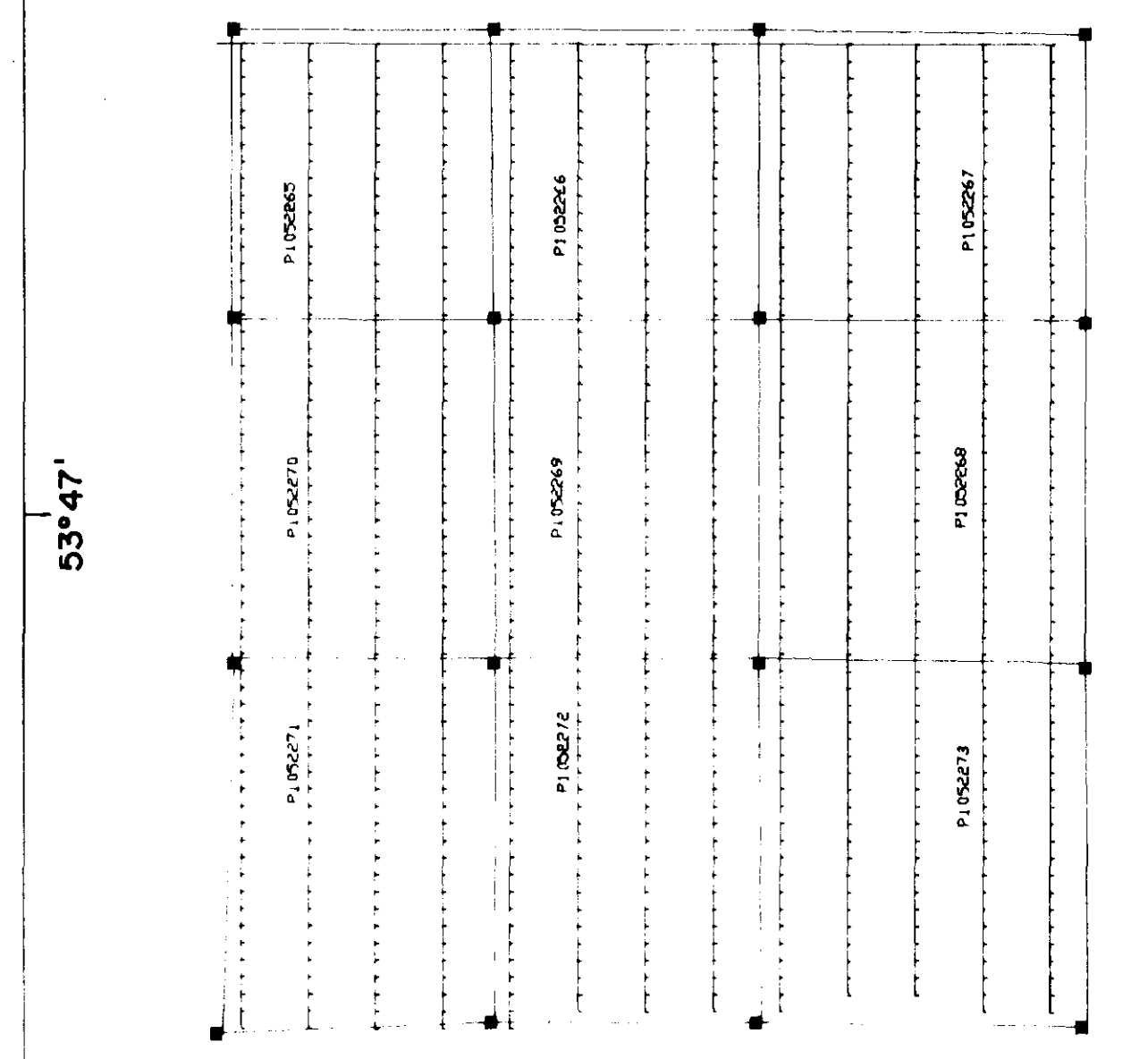


DATE: MAR. 1988 | SCALE: 1:2500 | N.T.S. 43-

PHANTOM EXPLORATION SERVICES



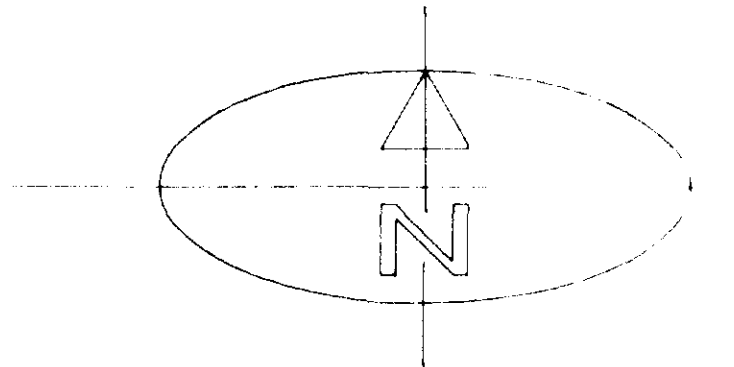
83°51'



LOCATION MAP SCALE 1:10,000



220



LEGEND

MAGNETOMETER SURVEY
 INSTRUMENT: EDA PPM-375 OMNI IV
 DATUM: 59800 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

2.12003

BLOCK 43 B/13-10 GRID X
 PROTON MAGNETOMETER
 TOTAL FIELD CONTOURED READINGS

