REPORT ON A MAGNETIC SURVEY

ANOMALY "GRID T and T Ext."
BLOCK "43B/13-06 and 43B/13-18"
NTS 43B/13

BY

R. FACEY-CROWTHER
THUNDER BAY, ONTARIO

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. J. 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 T and T Ext." is located within the Porcupine Mining Division.

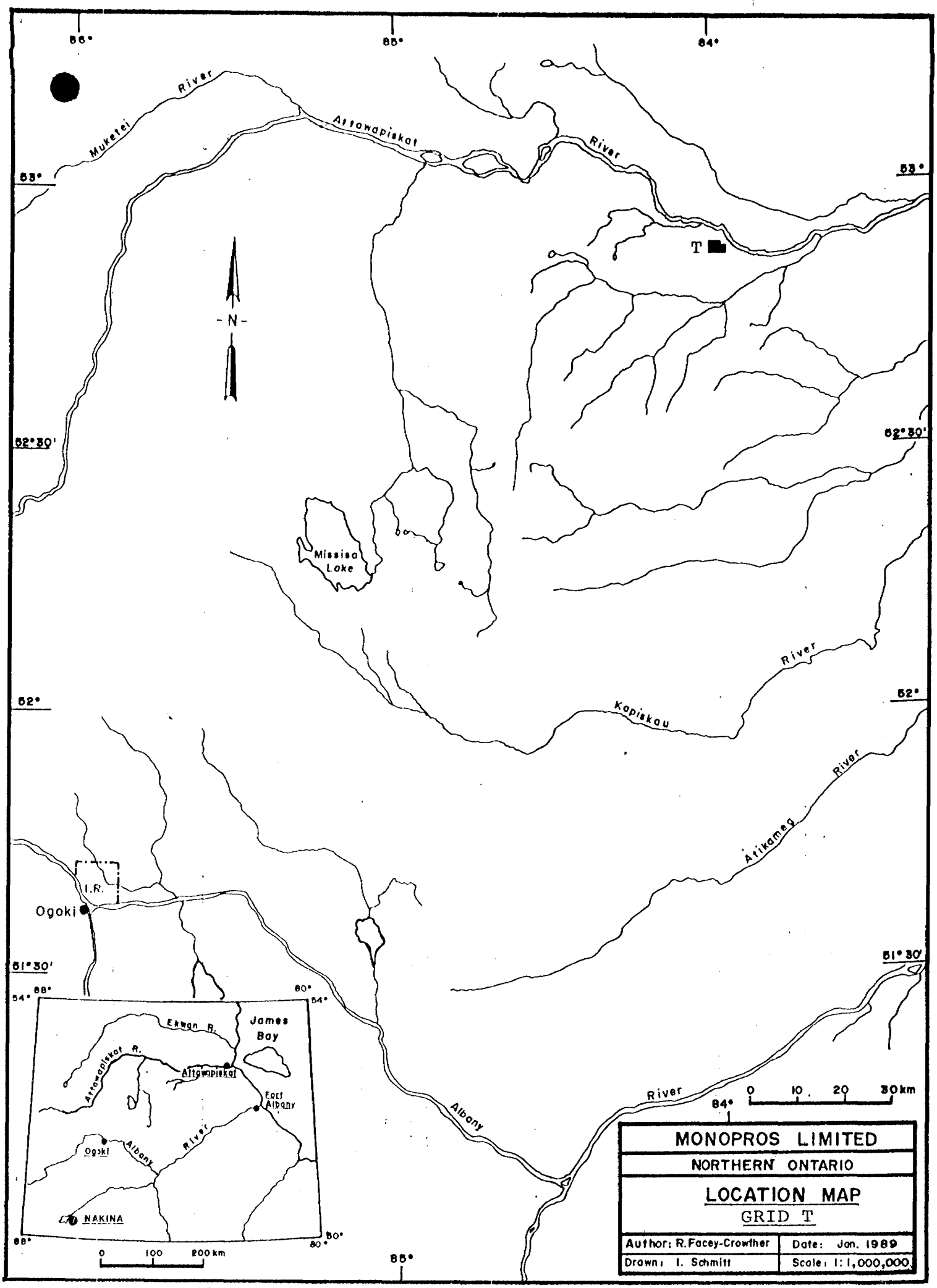
Grid T and T Ext. consists of a block of 13 claims located about 1.0 kilometre southwest of the Attawapiskat River, straddling the boundary between Claim Maps G-1252 and G-1253.

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°
T
N
52°30'
Missisa Lake
Kapiskau River
52°
Arikamag River
I.R.
Ogoki
51°30'
54°
88°
80°
64°
Ekwan R.
James Bay
Attawapiskat R.
Attawapiskat
Fort Albany
Ogoki
Albany River
NAKINA
0 100 200 km
Albany River
0 10 20 30km
MONOPROS LIMITED
NORTHERN ONTARIO
LOCATION MAP
GRID T
Author: R. Facey-Crowther
Date: Jan. 1989
Drawn: I. Schmitt
Scale: 1:1,000,000

4.0 RESULTS

The magnetic background in the area is about 59,900 nT and is disrupted by an anomaly centered at 3+00E 3+25N (43B/13-06). This complex anomaly has three high values of 60,501 nT at 2+00E 3+50N; 60,319 nT at 3+00E 2+50N and 60,230 nT at 4+00E 3+50N.

There is a marked elongate low to the north with a value of 59,761 at 2+00E 4+50N. About 400 metres to the southeast, a second anomaly (43B/13-18) has a high value of 60,205 nT at 6+00E 0+75S.

5.0 RECOMMENDATIONS

A drill hole at 3+00E 3+50N and a second hole at 6+00E 0+75S are recommended to determine the source of the anomalies.

Richard Facey-Crowther

Richard Facey-Crowther
Thunder Bay, Ontario

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

Ministry of Northern Development and Mines

Ontario

Report of Work

(Geophysical, Geological, Geochemical and Expenditur

43B13NW0006 2.11999 528-834

900

Type of Survey(s)	Township or Area
Ground Magnetometer	G-1252 & G-1253

Claim Holder(s)	Prospector's Licence No.
Jonathan A. Fowler	A-45284

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

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
Phantom Exploration/Monopros Limited	14 / 04 / 88 (Day / Mo. / Yr.) 30 / 04 / 88 (Day / Mo. / Yr.)	28.6 Km

Name and Address of Author (of Geo-Technical report): R. Facey-Crowther, 1112 Russell Street, Unit 6, Thunder Bay, Ont. 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	

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.

Date	Recorded Holder or Agent (Signature)

RECEIVED
DEC 28 1988
MINING LANDS DIVISION

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	992701	
	992702	
	992703	
	992704	
	1052230	
	1052231	
	1052232	
	1052233	
	1052234	
	1052235	
	1052236	
	1052237	
	1052238	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

Total number of mining claims covered by this report of work: 13

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
520	Dec 28/88	
	Date Approved as Recorded	Branch Director

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: R. Facey-Crowther, 1112 Russell Street, Unit 6, Thunder Bay, Ont. P7B 5N2

Ministry of Northern Development and Mines — Ontario

Assessment Work Geophysical, Geological, Geochemical and Expenditures

Mining Act

DOCUMENT No. W 8906.093

2.11999

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.

Type of Survey(s)	Township or Area
Ground Magnetometer	G-1252 & G-1253

Claim Holder(s)	Prospector's Licence No.
Jonathan A. Fowler	A-45284

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

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
Phantom Exploration/Monopros Limited	04 / 04 / 88 to 30 / 04 / 88	28.6 Km

Name and Address of Author (of Geo-Technical report): R. Facey-Crowther, 1112 Russell Street, Unit 6, Thunder Bay, Ont. 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	
	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

RECEIVED Ontario Mining Division DEC 28 1988

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.

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	992701	
	992702	
	992703	
	992704	
	1052230	
	1052231	
	1052232	
	1052233	
	1052234	
	1052235	
	1052236	
	1052237	
	1052238	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECORDED DEC 28 1988

MAR - 6 1989

Total number of mining claims covered by this report of work: 13

For Office Use Only

Total Days Cr. Recorded: 520

Date Recorded: Dec. 28/88

Date Approved as Recorded: 2 March 89 R.M.

Mining Recorder: [signature]

Branch Director: [signature]

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: R. Facey-Crowther, 1112 Russell Street, Unit 6, Thunder Bay, Ont. P7B 5N2

T
TX

Ministry of Northern Development and Mines

Ontario

Geophysical-Geological-Geochemical Technical Data Statement

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 G-1252 & G-1253 528834

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 14/04/88 - 30/04/88 (linecutting to office)

Total Miles of Line Cut 28.6 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	992701
P	992702
P	992703
P	992704
P	1052230
P	1052231
P	1052232
P	1052233
P	1052234
P	1052235
P	1052236
P	1052237
P	1052238

TOTAL CLAIMS 13

If space insufficient, attach list

OFFICE USE ONLY

837 (85/12)

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 938 Number of Readings 938

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)

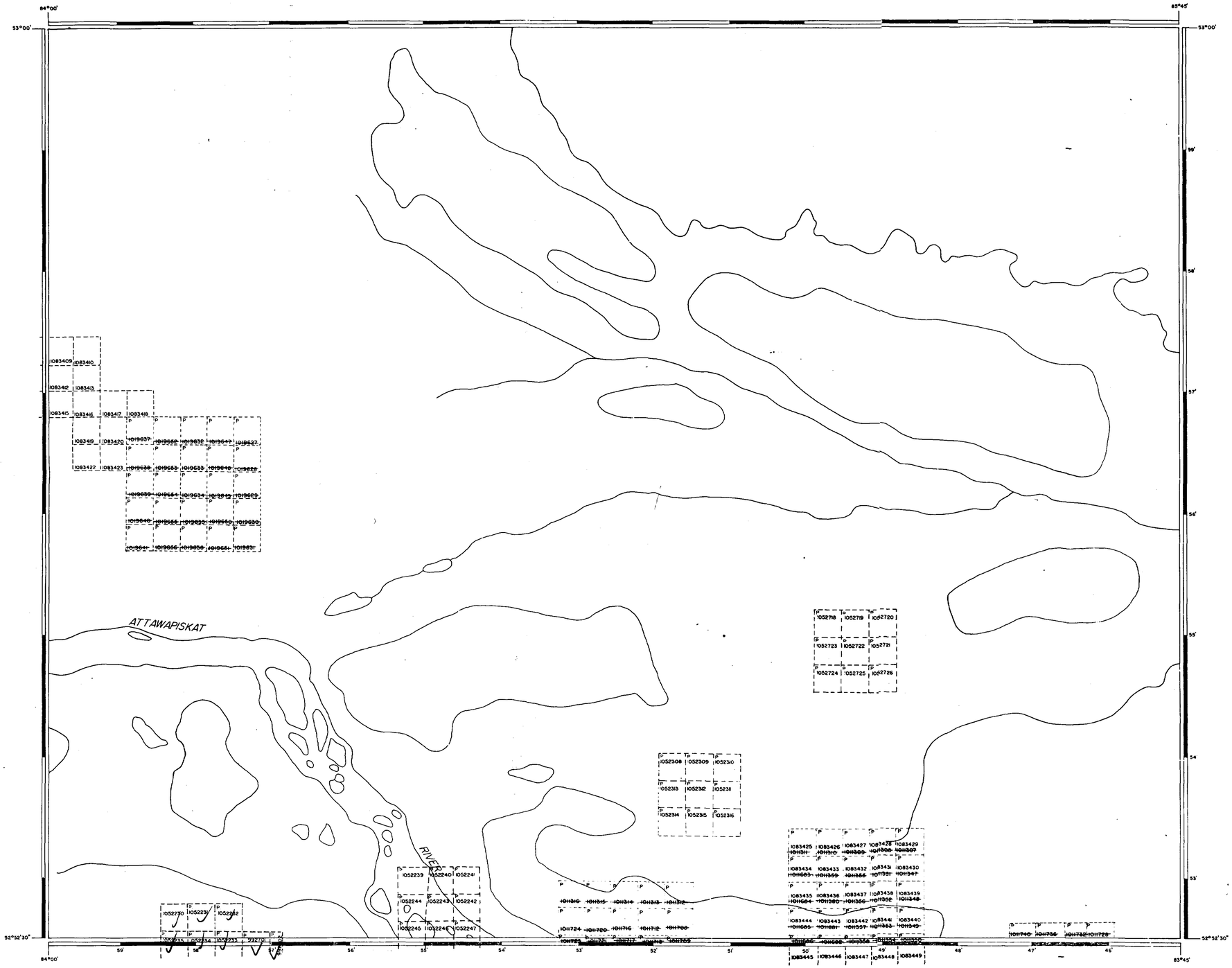
Name of Laboratory_____

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. 63, 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

200

RECEIVED DECEMBER 1 1987

AREA
528-834

M.N.R. ADMINISTRATIVE DISTRICT
MOOSONEE

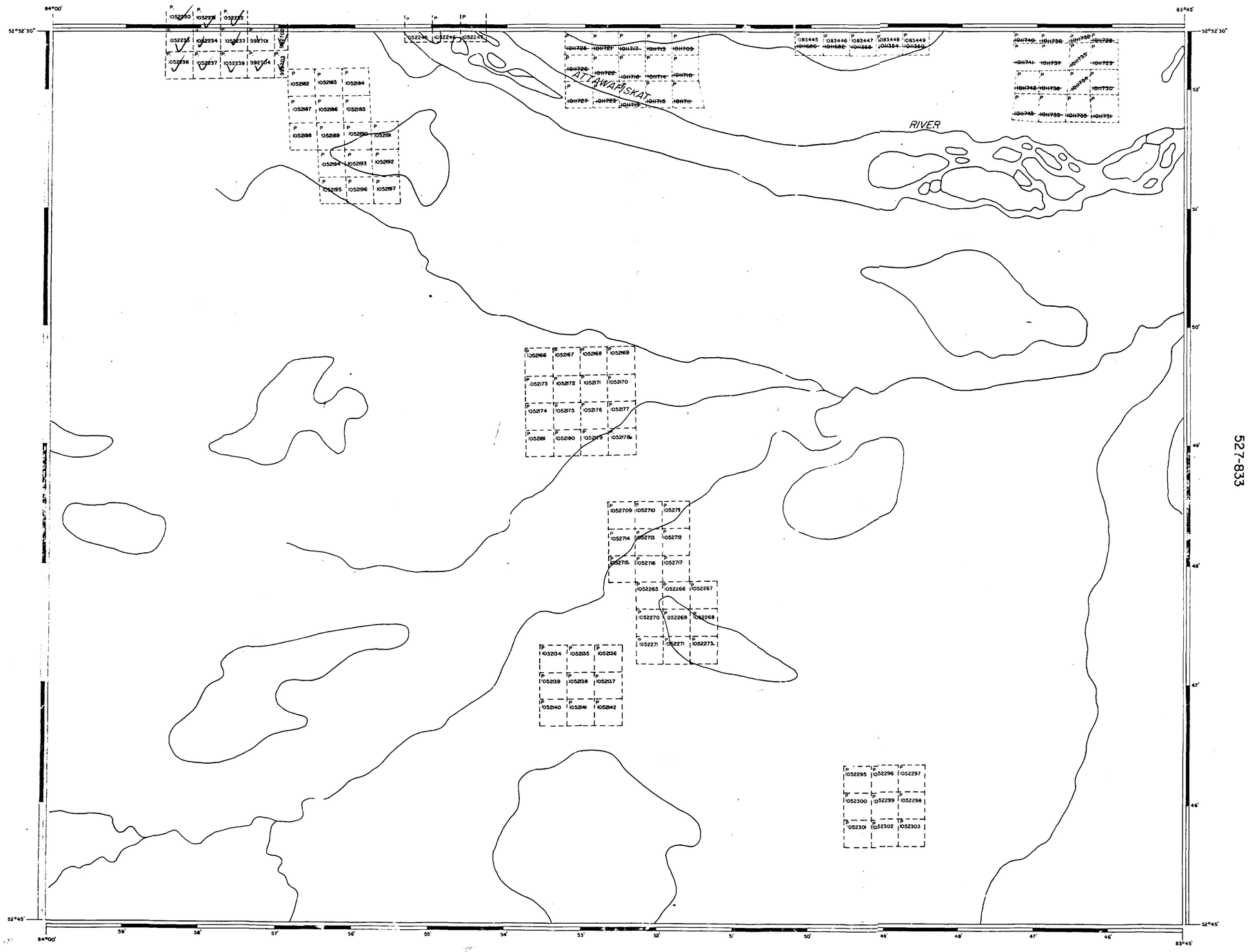
MINING DIVISION
PORCUPINE

LAND TITLES / REGISTRY DIVISION
KENORA/PATRICIA PORTION

Ontario Ministry of Natural Resources
Ministry of Northern Development and Mines

Date	Number
NOVEMBER /1987	G-1252

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	R
CANCELLED	C
SAND & GRAVEL	S

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. 63, 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

43B13W0006 2.11999 528-834

210

PORCUPINE MINING DIVISION
RECEIVED
DEC 21 1988

RECEIVED DECEMBER 1, 1987

AREA

527-834

M.N.R. ADMINISTRATIVE DISTRICT

MOOSONEE

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

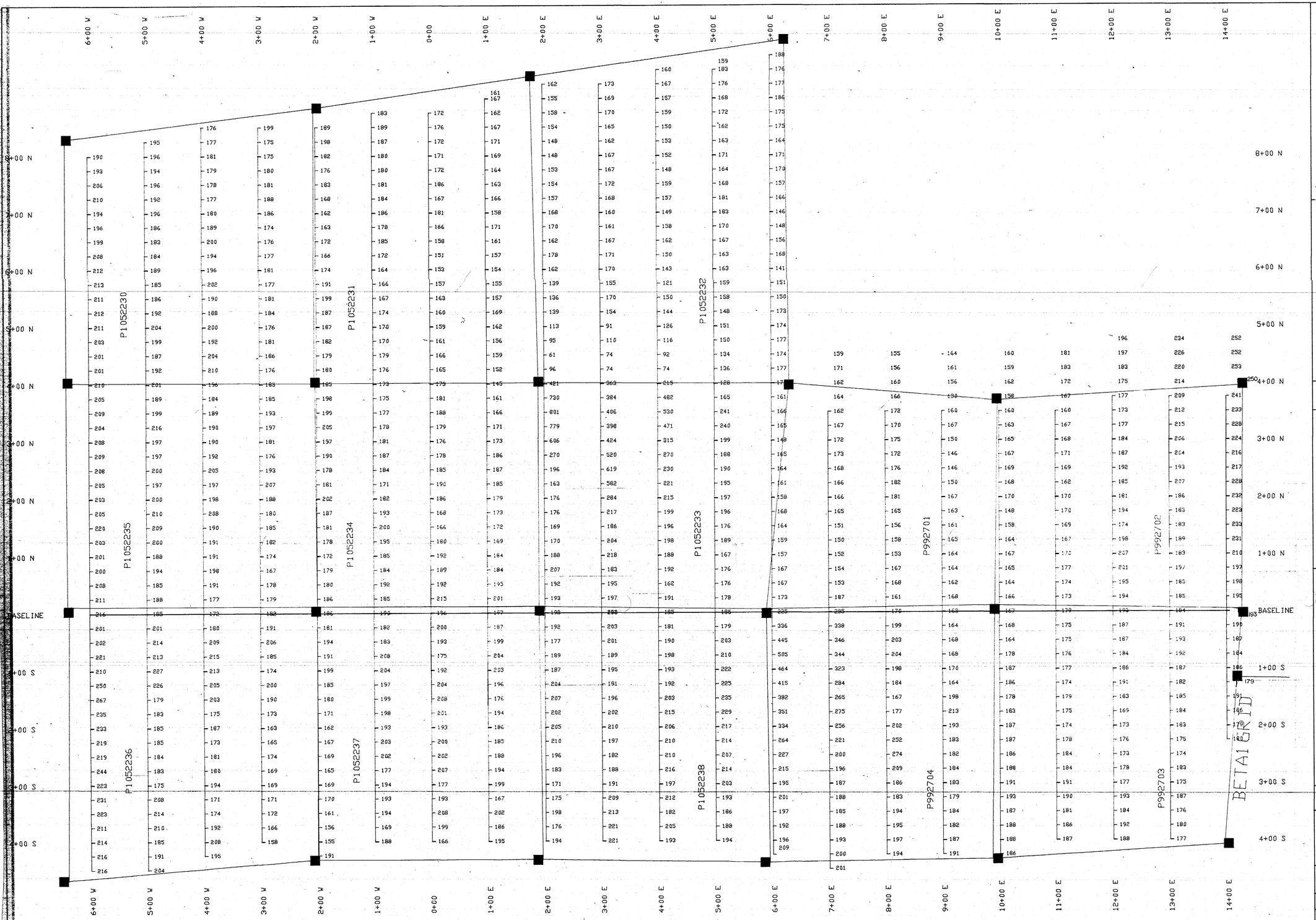
KENORA/PATRICIA PORTION

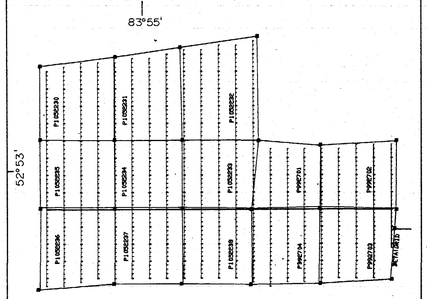
Ontario Ministry of Natural Resources

Ministry of Northern Development and Mines

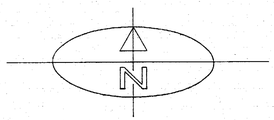
Date NOVEMBER/1987

Number G-1253





LOCATION MAP SCALE 1:15,000



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

2.11999

BLOCK 43 B/13-06 & 18 GRID T

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

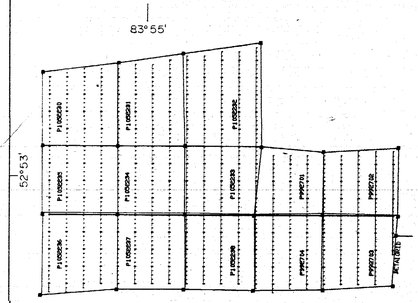
PHANTOM EXPLORATION SERVICES LTD.

6+00 W 5+00 W 4+00 W 3+00 W 2+00 W 1+00 W 0+00 1+00 E 2+00 E 3+00 E 4+00 E 5+00 E 6+00 E 7+00 E 8+00 E 9+00 E 10+00 E 11+00 E 12+00 E 13+00 E 14+00 E

8+00 N 7+00 N 6+00 N 5+00 N 4+00 N 3+00 N 2+00 N 1+00 N BASELINE 1+00 S 2+00 S 3+00 S 4+00 S

P1052230 P1052231 P1052232 P1052233 P1052234 P1052235 P1052236 P1052237 P1052238 P992701 P992702 P992703 P992704 BETA1 GRID

200 400 600



LOCATION MAP SCALE 1:15,000

N

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

2.11999

230

BLOCK 43 B/13-06 & 18 GRID T

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.