REPORT ON A MAGNETIC SURVEY

ANOMALY "GRID X1"
BLOCK "43B/12-05"
NTS 43B/12

BY

R. FACEY-CROWTHER
THUNDER BAY, ONTARIO

OCTOBER 1989

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 November 1988 and January and February, 1989, 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 Monopros Ltd.

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 X1" is located within the Porcupine Mining Division.

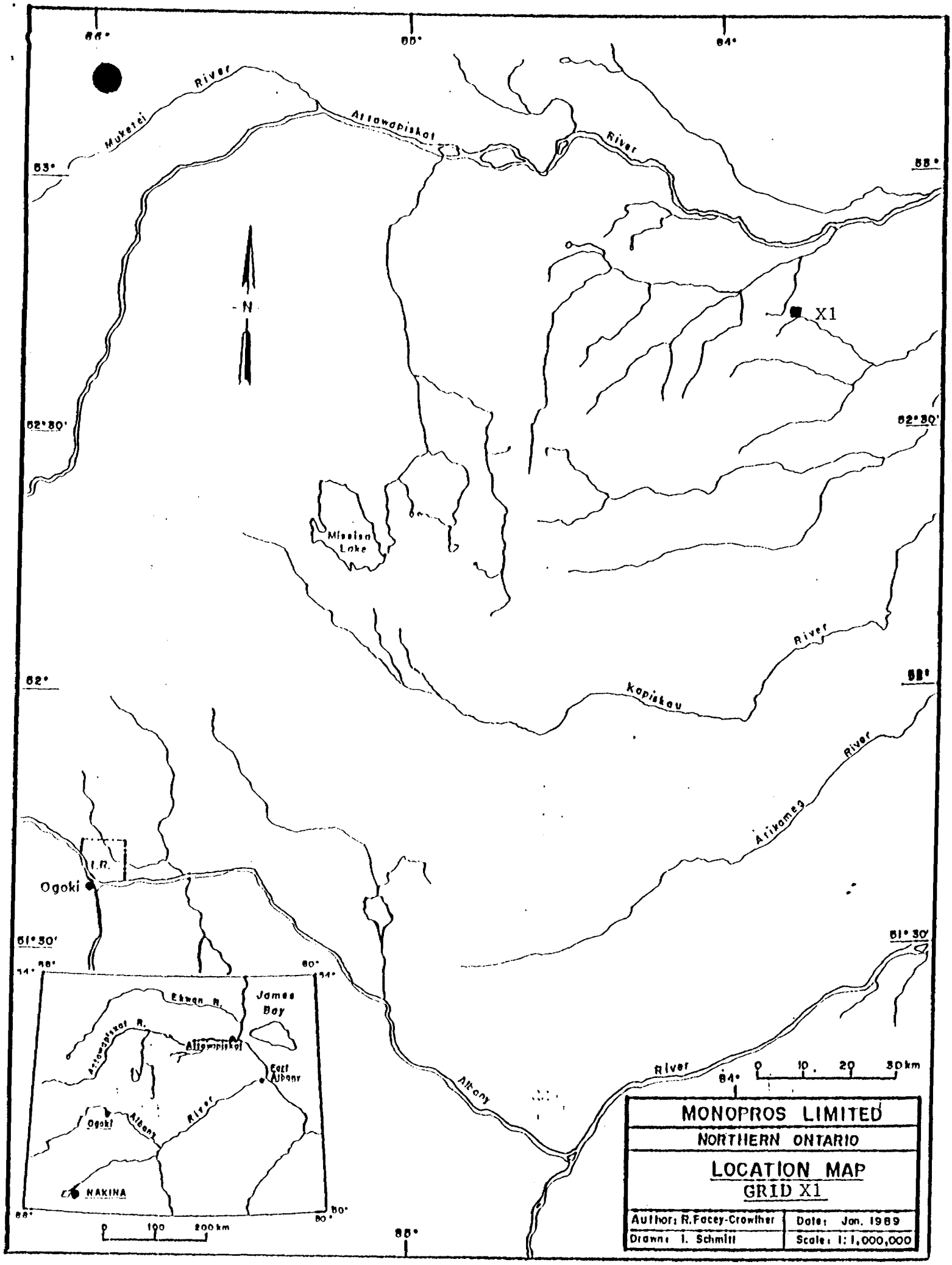
Grid X1 consists of a block of four claims on Claim Map G-3852. Grid X1 is located about 14 kilometres south of the Attawapiskat River on NTS mapsheet 43B/12.

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°
83°
88°
82°30'
82°
88°
61°30'
Mukutei River
Attawapiskat River
X1
N
Missisa Lake
Kapiskau River
Attawapiskat River
I.R.
Ogoki
Albany River
0 10 20 30km
84°
Ekwan R.
James Bay
Attawapiskat R.
Attawapiskat
East Albany
Ogoki
Albany River
NAKINA
88°
80°
0 100 200 km
MONOPROS LIMITED
NORTHERN ONTARIO
LOCATION MAP
GRID X1
Author: R. Facey-Crowther
Date: Jan. 1989
Drawn: I. Schmitt
Scale: 1:1,000,000

4.0 RESULTS

The regional magnetic field is quiet with a background of 59,150 nT. A single roughly circular to oval anomaly with a high value of 59,778 nT occurs at 2+00W 0+75S.

5.0 RECOMMENDATIONS

A single drill hole is recommended at location 2+00W 0+75S to determine the source of the anomaly.

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
October 1989

Qual. 2.8228

Ministry of Northern Development and Mines

Ontario

DOCUMENT No. W 8906.538

Mining Act

Report of Work
(Geophysical, Geological and Geochemical Surveys)

Instructions
- Please type or print.
- Refer to Section 77, the Mining Act for assessment work requirements and maximum credits allowed per survey type.
- If number of mining claims traversed exceeds space on this form, attach a list.
- Technical Reports and maps in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

Type of Survey(s)	Mining Division	Township or Area
Ground Magnetometry	Porcupine	526 834 G-3852

Recorded Holder(s): Monopros Ltd. 2.12918

Prospector's Licence No.: T-1220

Address: Box 28, Toronto-Dominion Centre, Toronto, Ont. M5K 1B8

Telephone No.: 416-363-2665

Survey Company: Phantom Exploration Services Ltd.

Name and Address of Author (of Geo-Technical Report): R. Facey-Crowther, 1112 Russell ST, #6, Thunder Bay, Ont.

Date of Survey (from & to): 09 01 89 (Day Mo. Yr.) — 10 02 89 (Day Mo. Yr.)

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

Total miles flown over claim(s).

Date: Oct. 18/89

Recorded Holder or Agent (Signature): Richard Facey-Crowther

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Mining Claim Prefix	Mining Claim Number	Mining Claim Prefix	Mining Claim Number
P	1083470				
P	1083471				
P	1083472				
P	1083473				

RECEIVED
DEC 12 1989
MINING LANDS SECTION

RECORDED
NOV 28 1989

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE
FEB 12 1990
RECEIVED

Total number of mining claims covered by this report of work.: 4

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in this Report of Work, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying: R. Facey-Crowther, 1112 Russell St, #6, Thunder Bay, Ontario P7B 5N2

Telephone No.	Date	Certified By (Signature)
807-622-4585	Oct. 18/89	Richard Facey-Crowther

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
160	Nov. 28/89	S. White
	Date Approved as Recorded: Feb 15/90	Provincial Manager, Mining Lands

Received Stamp

PORCUPINE MINING DIVISION
RECEIVED
NOV 28 1989

1362 (89/06)

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.

2.12391C

Type of Survey(s) Ground Magnetometry

Township or Area 526 834 G-3852

Claim Holder(s) Monopros Ltd.

Survey Company Phantom Exploration/Monopros Ltd.

Author of Report R. Facey-Crowther

Address of Author 1112 Russell St, #6, Thunder Bay

Covering Dates of Survey 9/01/89 - 10/02/89
(linecutting to office)

Total Miles of Line Cut 5.3 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: Oct. 18/89 SIGNATURE: Roland Facey - Crowther
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
P	1083470
P	1083471
P	1083472
P	1083473

RECEIVED
NOV 2 1989
MINING LANDS SECTION

TOTAL CLAIMS 4

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 211 Number of Readings 211

Station interval 25 metres Line spacing 100 metres

Profile scale

Contour interval 10 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 0nT

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_____

_____

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_____

_____

_____

_____

_____

_____

527-834

84°00'
83°45'
52°45'
52°37'30"
44'
43'
42'
41'
40'
39'
38'
37'
59
58
57
56
55
54
53
52
51
50
49
48
47
46

STRING BOG

STRING BOG

1052322 1052321 1052320
1052317 1052318 1052319
1052198 1052199 1052200
1052203 1052202 1052201
1052204 1052205 1052206

2.12918

1083470 1083471
1083472 1083473

1052274 1052275 1052276
1052281 1052280 1052279
1052282 1052283 1052284
1052289 1052288 1052287

1052290 1052291 1052292
1052304 1052294 1052293
1052305 1052306 1052307

525-834

526-834

SMD-3852

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

43B12NW0002 200

AREA

526-834

M.N.R. ADMINISTRATIVE DISTRICT

MOOSONEE

MINING DIVISION

PORCUPINE

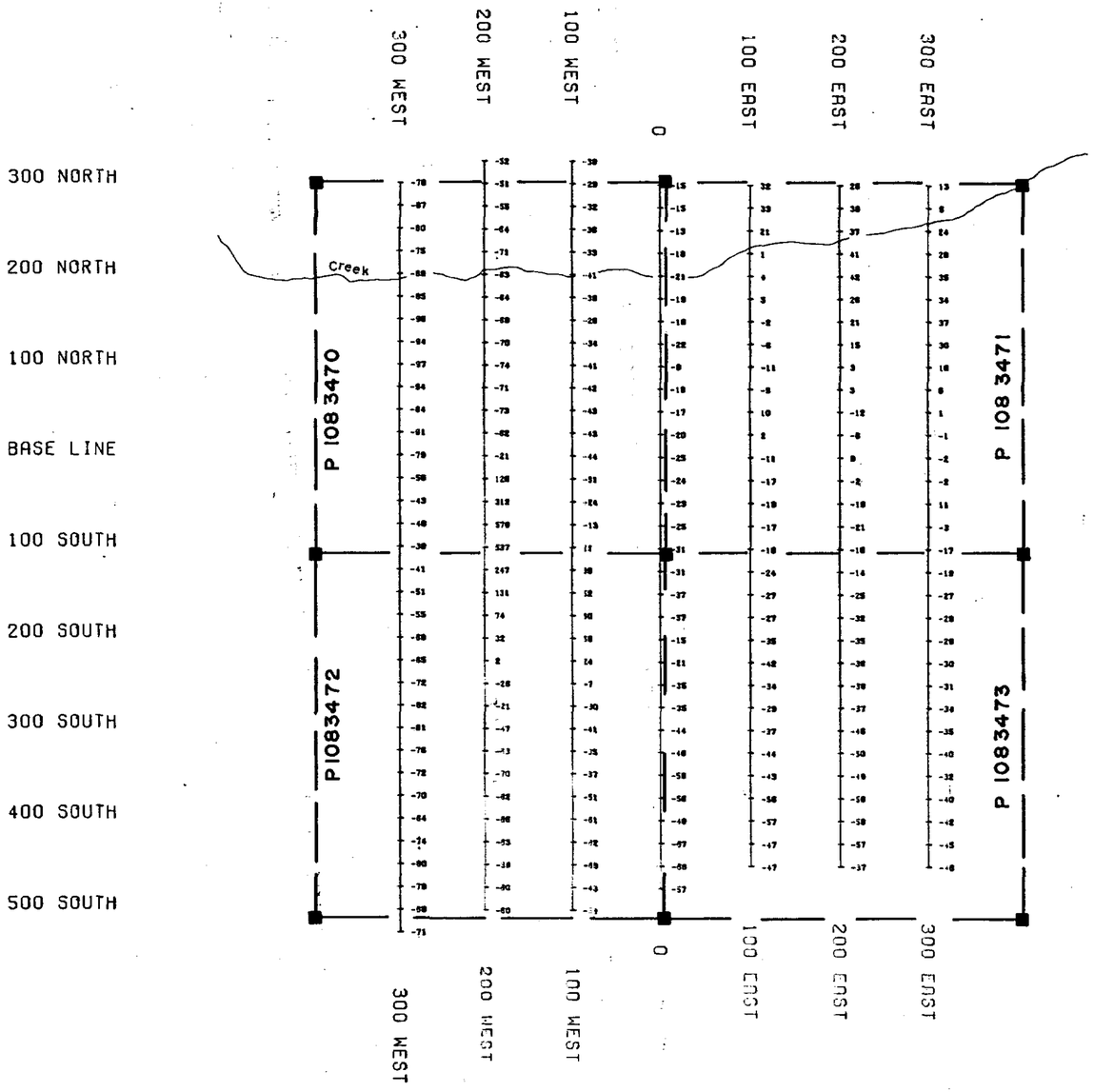
LAND TITLES / REGISTRY DIVISION

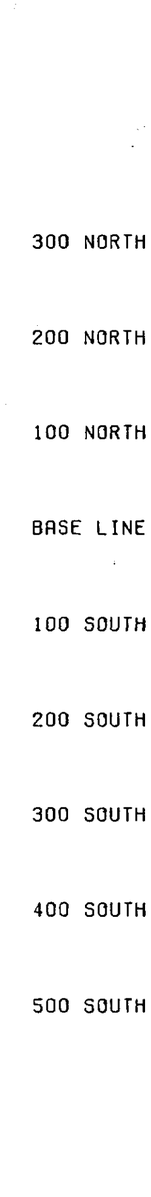
KENORA/PATRICIA PORTION

Ontario Ministry of Natural Resources · Ministry of Northern Development and Mines

Date MAY/1988

Number G-3852





BASE VALUE: 59700

CLAIM POST: ■ 2.12[illegible]18

210

100 0 100 200 300 m

MONOPRPOS LIMITED

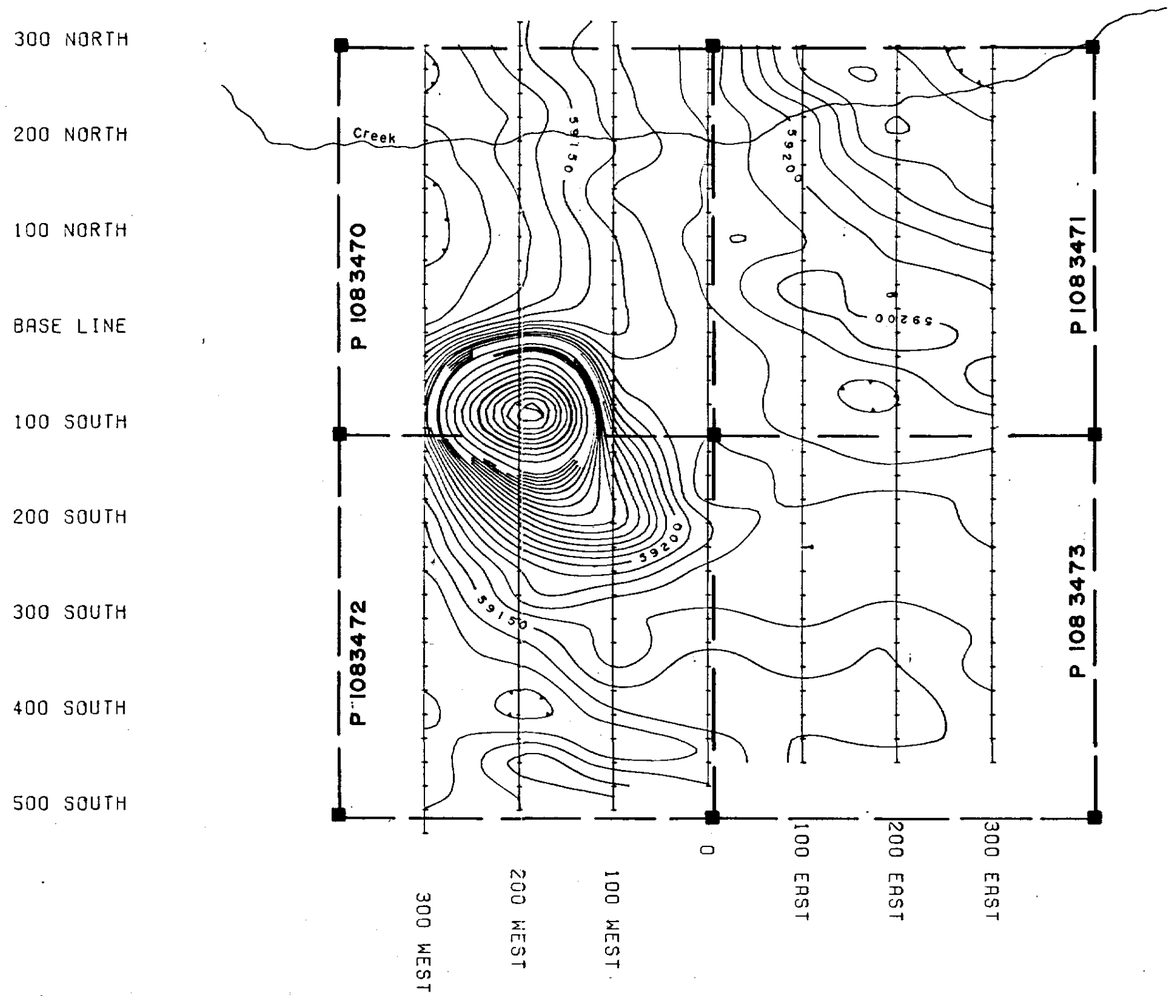
GROUND MAG SURVEY

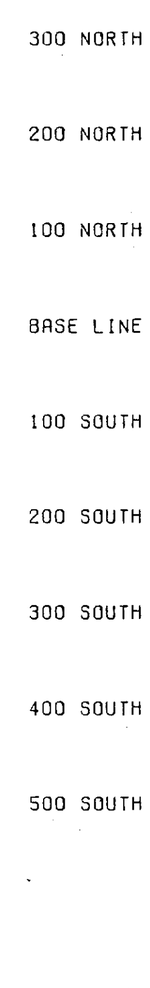
GRID X1

TOTAL FIELD READINGS

SURVEYED BY: PHANTOM EXPLORATION - 31/01/89	
PLOTTED BY: DENIS GAGNE	SCALE: 1:5000
PLOT DATE: 24/10/89	NTS: 43B/12

Richard Fahey - Crowther





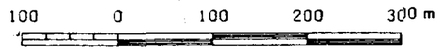
220

CONTOUR INTERVAL: 10 NT

DATUM: 0 NT

2.12

CLAIM POST: ■



MONOPRPOS LIMITED

GROUND MAG SURVEY

GRID X1

TOTAL FIELD CONTOURED READINGS

SURVEYED BY: PHANTOM EXPLORATION - 31/01/89	
PLOTTED BY: DENIS GAGNE	SCALE: 1:5000
PLOT DATE: 24/10/89	NTS: 43B/12

Richard Facey-Crowther