



42A11NE0211 2.4779 TULLY

010

REPORT
ON
MAGNETIC SURVEY
TULLY TOWNSHIP, ONTARIO
McMURCHY-HANSON OPTION
BY
ABITIBI-PRICE INC.
MINERAL RESOURCES DIVISION

D.A. McCombe
Geologist
Mineral Resources Division

RECEIVED

April, 1982

MAY 10 1982

MINING LANDS SECTION



42A11NE0211 2.4779 TULLY

010C

TABLE OF CON.

INTRODUCTION

LOCATION & ACCESS

PROPERTY

PREVIOUS WORK

SURVEY PROCEDURE & INSTRUMENTATION

STATISTICS

INTERPRETATION

CONCLUSIONS & RECOMMENDATIONS

APEX MAX MIN II BROCHURE

TULLY TOWNSHIP EXPENDITURES

MAPS - Magnetics - Sheets 1-4
- Location Map

INTRODUCTION

PURPOSE OF SURVEY

A systematic Magnetic Survey was performed by Abitibi-Price Inc. personnel in search of base and precious metal sulphide deposits over a group of claims optioned from R.C. McMurchy and Hanson Mineral Exploration Ltd. in early 1981. The fifty seven claim group lies in the northwest corner of Tully Township, Ontario.

LOCATION & ACCESS

The area covered by this report is approximately 25 miles north of Timmins. A winter road from Highway 655 across Crawford and Lucas Township was used for access. In the summer, a series of old logging roads traverse Tully Township from the Ice Chest Lake road to within a mile of southeast corner of the claim group.

PROPERTY

The fifty seven unpatented claims covered by the survey include:

P501085	P501089	P504766	P339239
501086	501090	504767	339240
501087	501091	504768	339241
501088	501092	504769	339242
501051	452503	504770	339243
501052	452504	504771	339244
501053	452505	504772	339245
501054	452506	504773	339246
501075	452507	504774	339247
501076	452508	504775	339248
501081	504762	504776	339249
501082	504763	504777	339250
501083	504764	504778	339251
501084	504765	504779	339252
			339253

PREVIOUS WORK

- 1964 - Mespi Mines Limited drilled three holes on airborne EM anomalies in this area.
- 1966 - Canico drilled one hole on an airborne anomaly.
- 1966/67- Keevil Mining Group Limited located several ground EM and magnetic conductors, portions of which were detailed by gravity surveys. No drilling was noted.
- 1972 - Dome Exploration (Canada) Limited, located several conductors while performing a magnetic and Turam EM Survey. Seven holes were drilled intersecting graphite bearing sediments and several sections of barren massive sulphides (predominantly pyrite).
- 1974 - Hudson Bay Exploration & Development Company Ltd. performed an EM Survey over a small portion of the claim group. Two holes were drilled (one was abandoned in overburden) intersecting graphitic-pyrite schists.
- 1976 - Geophysical Engineering Limited performed a vertical loop EM Survey, one horizontal shootback profile, gravity check survey, MAX MIN EM Survey, basal till sampling (22 holes) and one drill hole. A bedrock high explained the gravity anomaly. The EM conductor was caused by the large number of graphitic horizons.
- 1977 - Western Mines Limited contracted Questor Surveys Limited to fly an airborne EM Survey (Mark VI) over the northwestern portion of Tully Township.

1978 - Western Mines Limited and Dupont Canada (Exploration) drilled nineteen overburden holes (total footage of 1885 feet) directly down ice from the Questor Mark VI Input Conductors. Several anomalous overburden values were intersected. In 1979, an additional fourteen holes (1583.5 feet) of overburden drilling was completed to test various other conductors. The claims were returned to McMurphy-Hanson.

SURVEY PROCEDURE & INSTRUMENTATION

The magnetic survey was completed using a Fluxgate MF-2 ^{Vertical} ~~total~~ field magnetometer by Scintrex. A contoured map at 100 gamma intervals is enclosed. Base lines and tie lines were read by looping back to the base station. The main base station for the grid was located at 24+00 W and the base line (50515 gammas). Readings were obtained at 50 foot intervals.

The Magnetic Survey was performed by Abitibi-Price personnel headed by Mort Verbiski, Buchans, Newfoundland during February and March 1982.

STATISTICS

Approximately 52 miles of grid line were cut on the fifty seven claim group.

Magnetometer readings were observed at 5087 stations.

INTERPRETATION

MAGNETICS

Maximum magnetic relief on this property is approximately 53,820 gammas. A northwest - southeast trending mag. anomaly with a high of 52,400 gammas cuts across claims 504776 and 504777. One of Dome's drill holes appears to have intersected the northern edge of this anomaly. A smaller, more rounded mag. high of 51,725 gammas occurs in the northern portion of Claim 339242. This may be a good drill target as it occurs up-ice of one of Western-Dupont's overburden holes that carried anomalous gold values.

A large, broad mag. anomaly occurs on the four western claims 501075, 501076, 501082 and 501081. The higher readings within this anomaly may be due to several narrow graphitic bands in this area.

Western Mines intersected mafic volcanics with narrow bands of graphite in a drill hole that intersected the magnetic high which trends east-west through Claims 501051, 501052 and 501053.

A northwest, southeast trending, large magnetic anomaly (53400 gammas) which occurs on Claims 452503, 452504, 452505 and 452506 is probably due to an ultramafic unit.

CONCLUSIONS AND RECOMMENDATIONS

In general, the major magnetic highs have already been drilled with the possible exception of the magnetic high in the area of Claim 339242. Further detailed geophysics should be carried out up-ice of the previous overburden drill holes before a drill hole is spotted.



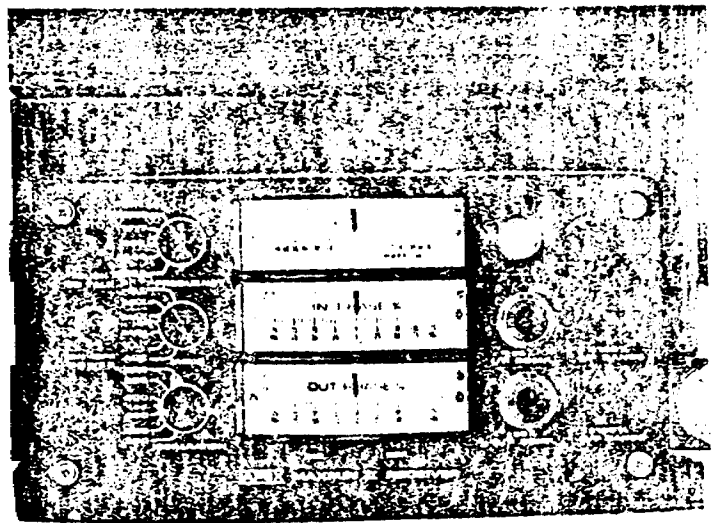
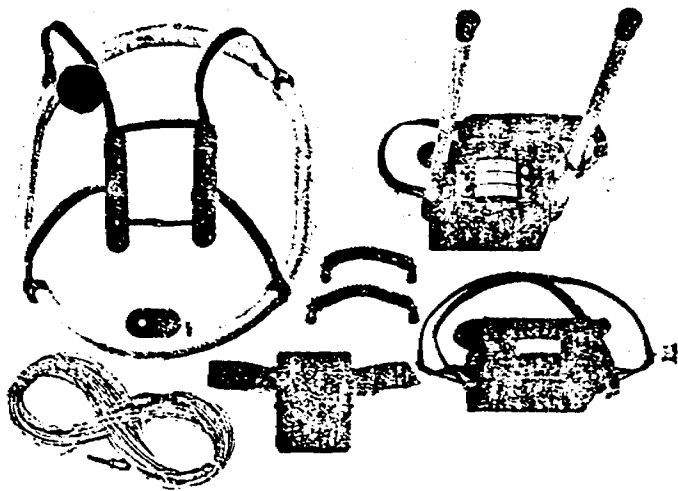
D.A. McCombe

DAM/nw

AUG 25 1969

- 2 Five frequencies: 222, 444, 888, 1777 and 3555 Hz.
- 2 Maximum coupled (horizontal-loop) operation with reference cable.
- 2 Minimum coupled operation with reference cable.
- 2 Vertical-loop operation without reference cable.
- 2 Coil separations: 25, 50, 100, 150, 200 and 250 m (with cable) or 100, 200, 300, 400, 600 and 800 ft.
- 2 Reliable data from depths of up to 180m (600 ft).
- 2 Built-in voice communication circuitry with cable.
- 2 Tilt meters to control coil orientation.





SPECIFICATIONS:

Frequencies:	222, 444, 888, 1777 and 3555 Hz.	Repeatability:	±0.25% to ±1% normally, depending on conditions, frequencies and coil separation used.
Modes of Operation:	<p>MAX: Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with reference cable.</p> <p>MIN: Transmitter coil plane horizontal and receiver coil plane vertical (Min-coupled mode). Used with reference cable.</p> <p>V.L.: Transmitter coil plane vertical and receiver coil plane horizontal (Vertical-loop mode). Used without reference cable, in parallel lines.</p>	Transmitter Output:	<ul style="list-style-type: none"> - 222Hz : 220 Atm² - 444Hz : 200 Atm² - 888Hz : 120 Atm² - 1777Hz : 60 Atm² - 3555Hz : 30 Atm²
Coil Separations:	25, 50, 100, 150, 200 & 250m (MMI) or 100, 200, 300, 400, 600 and 800 ft. (MMIF). Coil separations in V.L. mode not restricted to fixed values.	Receiver:	9V trans radio type batteries (4). Life: approx. 35 hrs. continuous duty (alkaline, 0.5 Ah), less in cold weather.
Parameters Read:	<ul style="list-style-type: none"> - In-Phase and Quadrature components of the secondary field in MAX and MIN modes. - Tilt-angle of the total field in V.L. mode. 	Transmitter Battery:	12V 6Ah Gel-type rechargeable battery. (Charger supplied).
Readouts:	<ul style="list-style-type: none"> - Automatic, direct readout on 90mm (3.5") edgewise meters in MAX and MIN modes. No nulling or compensation necessary. - Tilt angle and null in 90mm edgewise meters in V.L. mode. 	Reference Cable:	Light weight 2-conductor nylon cable for minimum friction. Unshielded. All reference cables optional at extra cost. Please specify.
Scale Ranges:	<p>In-Phase: ±20%, ±100% by push-button switch.</p> <p>Quadrature: ±20%, ±100% by push-button switch.</p> <p>Tilt: ±75% slope.</p> <p>Null (V.L.): Sensitivity adjustable by separation switch.</p>	Voice Link:	Built-in intercom system for voice communication between receiver and transmitter operators in MAX and MIN modes, via reference cable.
Repeatability:	In-Phase and Quadrature: 0.25% to 0.5% ; Tilt: 1%.	Indicator Lights:	Built-in signal and reference warning lights to indicate erroneous readings.
		Temperature Range:	-40°C to +60°C (-40°F to +140°F).
		Receiver Weight:	6kg (13 lbs.)
		Transmitter Weight:	13kg (29 lbs.)
		Shipping Weight:	Typically 60kg (135 lbs.), depending on quantities of reference cable and batteries included. Shipped in two field/shipping crates.

Specifications subject to change without notification.

APEX

P A D A M I E S L E S I M T O R
200 STEELCASE RD. E., MARKHAM, ONT., CANADA, L3R 1G2

Phone: (416) 495-1612

Cables: APEXPARA TORONTO

Telex: 06-966773 NORDVIK TOR

TULLY TOWNSHIP EXPENDITURE

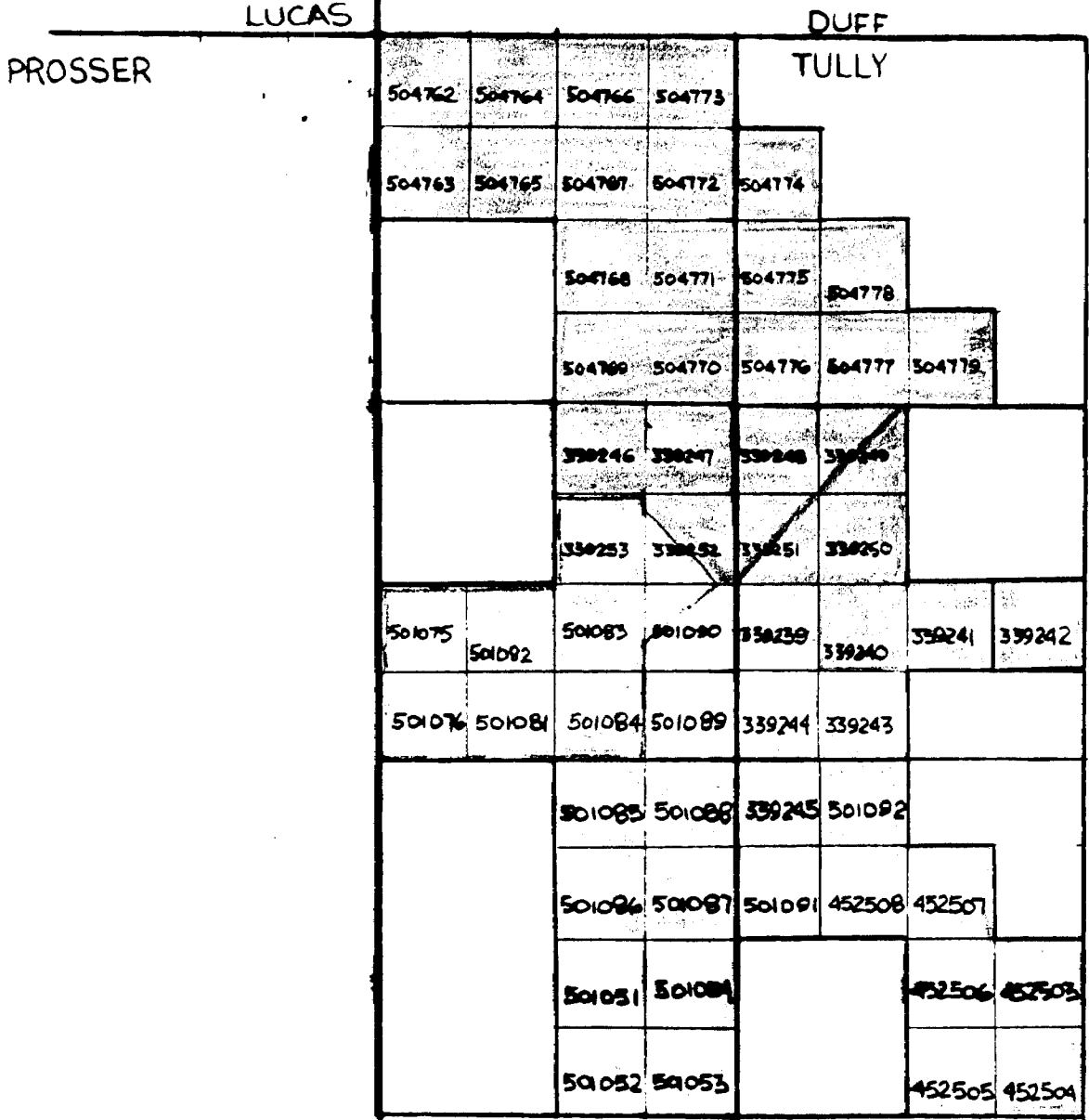
McMURCHY-HANSON OPTION

MAGNETOMETER SURVEY

FEBRUARY-MARCH, 1982

Abitibi-Price personnel headed by Mort Verbiski, Buchans, Newfoundland.

Magnetometer	46 miles at \$100.00 = \$4,600.00
--------------	-----------------------------------



- ☐ SHEET 1
- SHEET 2
- ▨ SHEET 3
- ▩ SHEET 4

McMURCHY-HANSON

SEPT. 14/81

ABITIBI-PRICE INC
MINERAL RESOURCES

A-P CLAIMS
TULLY TWP.

NTS
42-A-11

SCALE
1" = 2500'

DWN
JK

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations _____ Mag. - 5087 _____ Number of Readings _____ 5087 _____
Station interval _____ 50 ft. _____ Line spacing _____ 400' _____
Profile scale _____
Contour interval _____ 100 ft. _____

MAGNETIC

Instrument Scintrex Fluxgate MF-2
Accuracy - Scale constant 50 gammas
Diurnal correction method looping along adj. lines & correcting to base line stations
Base Station check-in interval (hours) 1.5 hrs.
Base Station location and value BL & 24+00 W, 50515 gammas

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 _____

2.4779

1983 06 09

11532

2.4779

Mr. William L. Good
Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Geophysical (Magnetometer) Survey on Mining Claims
P501085 et al in the Tully Township 42A/NE

57 cl₂

The Geophysical (Magnetometer) Survey assessment work credits
as shown on the attached statement have been approved as
of the above date.

1314-200 FT

Please inform the recorded holder of these mining claims
and so indicate on your records.

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

R. Pichette: mc

Encl.

cc: Abitibi-Price Inc
O.O. Box 21
Toronto, Ontario
Attention: D.A. McCombe

cc: Resident Geologist
Timmins, Ontario

1983 06 09

Recorded Holder	ABITIBI - PRICE INC
Township or Area	TULLY TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer <u>20</u> days Radiometric _____ days Induced polarization _____ days Section 86 (18) _____ days Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	P 501085 to 88 inclusive P 501051 to 54 inclusive P 501075 to 76 P 501081 to 84 inclusive P 501089 to 92 inclusive P 452503 to 08 inclusive P 504762 to 79 inclusive P 339239 to 53 inclusive

Special credits under section 86 (15a) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 86(18)-60:

Mining Lands Comments

- not reviewed with Mining Recorder
- no qualifications

To: Geophysics

Comments

Mr. Barkan

Approved

Wish to see again with corrections

Date

for 3/83

Signature

Roger Blevins

To: Geology - Expenditures

Comments

Approved

Wish to see again with corrections

Date

Signature

To: Geochemistry

Comments

LD /

Approved

Wish to see again with corrections

Date

Signature

To: Mining Lands Section, Room 6462, Whitney Block.

(Tel: 5-1380)

SEND TO *Arthur Barr*
 Room 6450 Whitney Block
 Toronto.

FROM *J. Tremblay* office of the Mining Recorder DEPT. DATE *Nov. 4/82*

SUBJECT *Your files 2.4710 and 2.4779*
 no reports of work were filed in this office
 for a geophysical (E.M. + Mog) ~~for~~ on Mining
 Claims P-538935 in Huffman + Osray Jups; and for
 a geophysical (mog) survey on Mining Claims
 P-501085 et al July Jup.

RECEIVED

NOV - 8 1982

MINING LANDS SECTION

REPLY

REPLY FROM

REPLY DATE

November 4, 1982

2.4779

Mr. William L. Good
Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

Please confirm your telephone conversation of October 20, 1982, with Mr. Arthur Barr, that no report of work was filed for a Geophysical (Magnetometer) survey on Mining Claims P 501085 et al in the Township of Tully.

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

Diana Wice

cc: Abitibi-Price Inc.
Toronto, Ontario
Attn: D.A. McCombe

*Call records in Timmins
- claims are going
into lease.
already paid first
year least instalment
R.P.
May 3/83*

1982 05 21

2.4779

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
P339239 et al, in the Township of Tully.

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/amc

cc Abitibi-Price Inc.
Toronto, Ontario
Attn: Deborah McCombe

P 501085	✓
86	✓
87	✓
88	✓
5010 51	✓
52	✓
53	✓
54	✓
5010 75	✓
76	✓
81	✓
82	✓
83	✓
84	✓
89	✓
90	✓
91	✓
92	✓
452503	✓
04	✓
05	✓
06	✓
07	✓
08	✓
504762	1/4 ³ OK!
63	✓
64	✓
65	✓
66	✓
67	✓
68	✓
69	✓
70	✓

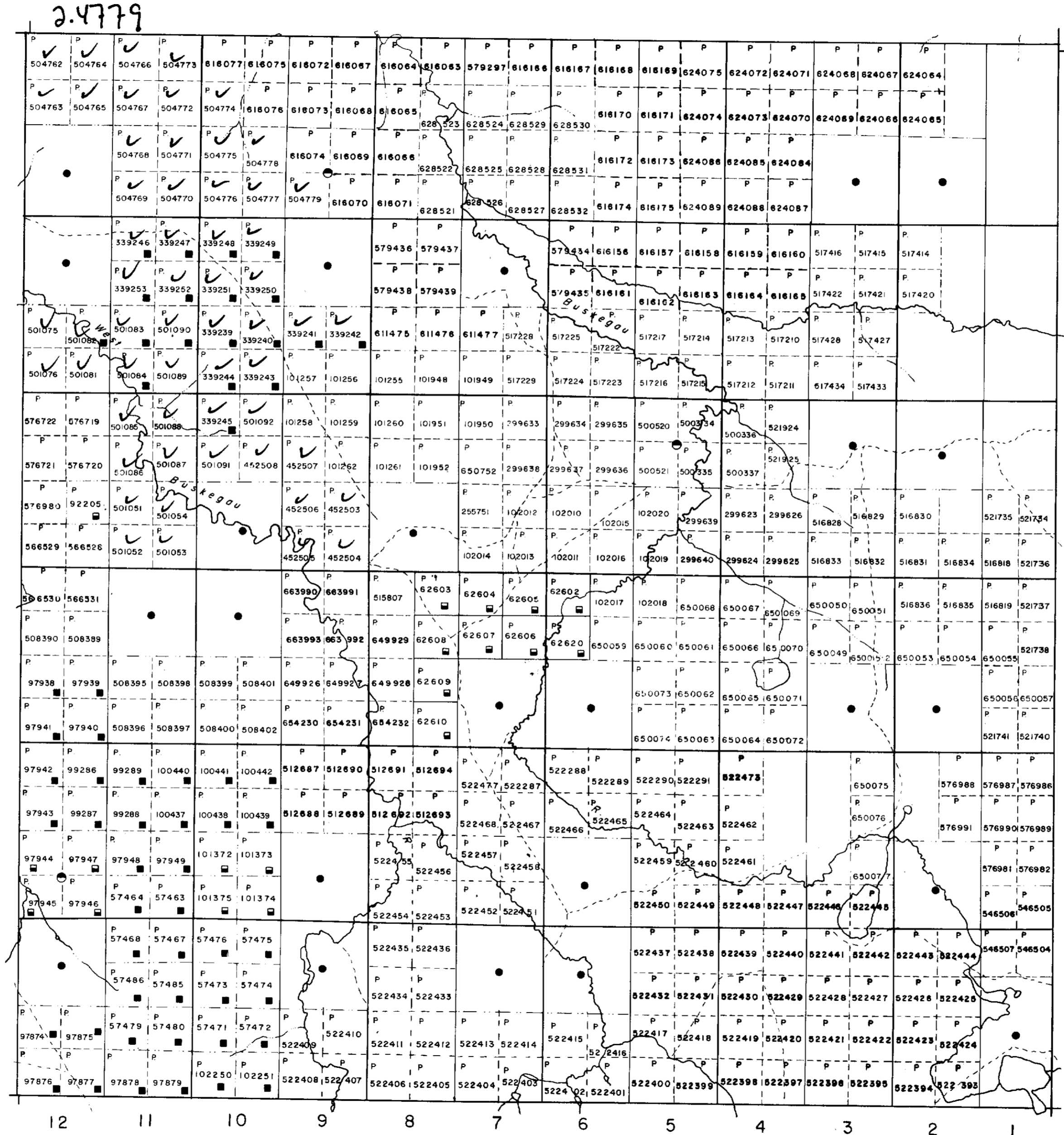
504771	✓
72	✓
73	✓
74	✓
75	✓
76	✓
77	✓
78	✓
79	✓
P339239	✓
339240	✓
41	✓
42	✓
43	✓
44	✓
45	✓
46	✓
47	✓
48	✓
49	✓
50	✓
51	✓
52	✓
53	✓
<hr/>	
57 claims	
no reports of work	

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

DATE OF ISSUE
 JAN 13 1983
 Ministry of Natural Resources
 TORONTO

DUFF Tp. M.466



PROSSER Tp. M.571

GOWAN Tp. M.285

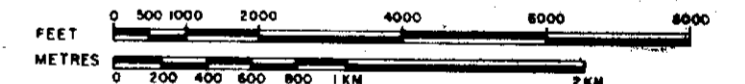
LEGEND

- 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
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES

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	
CROWN LAND SALE	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

SCALE : 1 INCH = 40 CHAINS



ACRES	HECTARES
40	.16

TOWNSHIP

TULLY

DISTRICT

COCHRANE

MINING DIVISION

PORCUPINE



Ministry of Natural Resources

Ontario Surveys and Mapping Branch

Date Nov. 1978

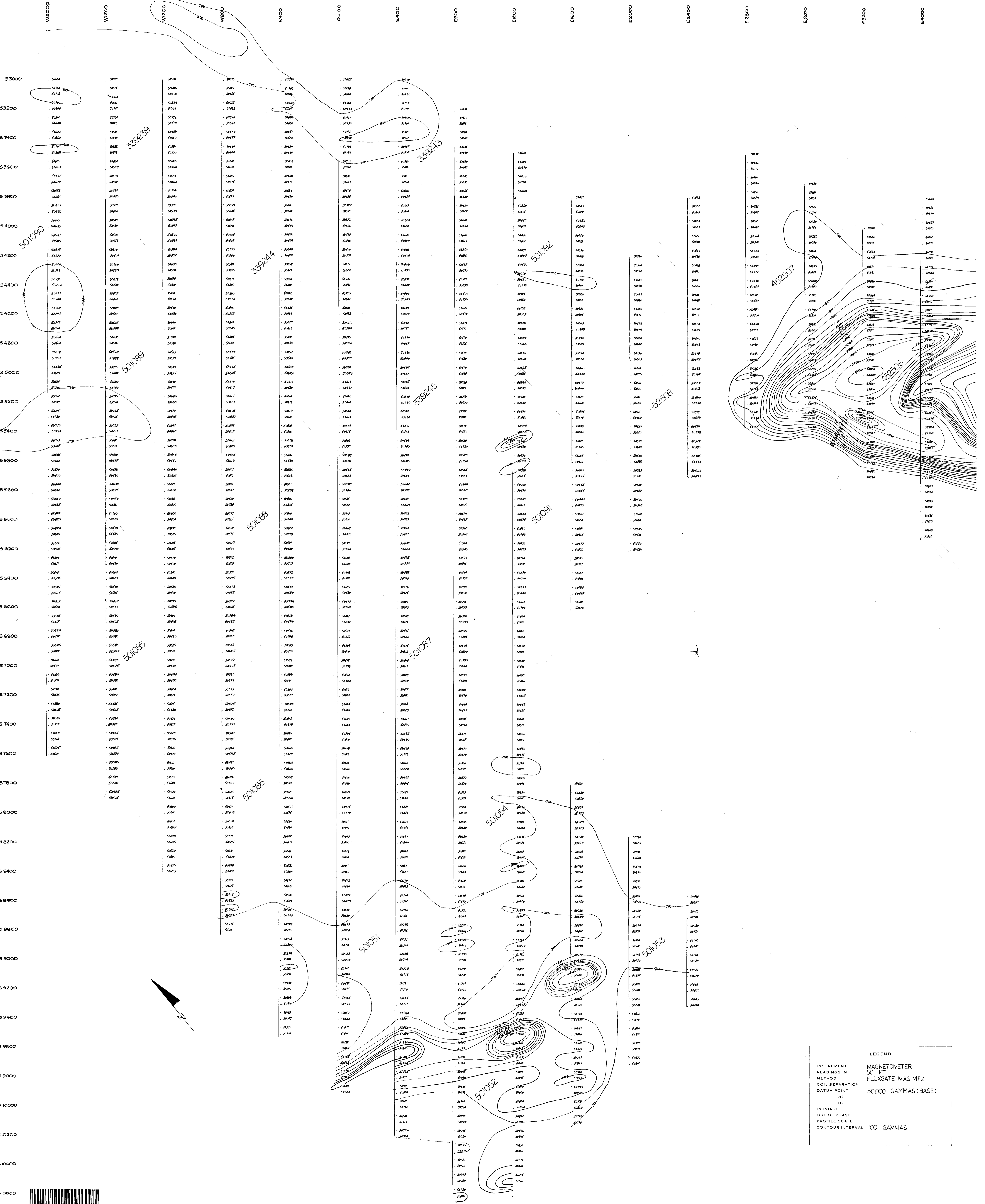
Plan No.

Whitney Block
 Queen's Park, Toronto

M.607

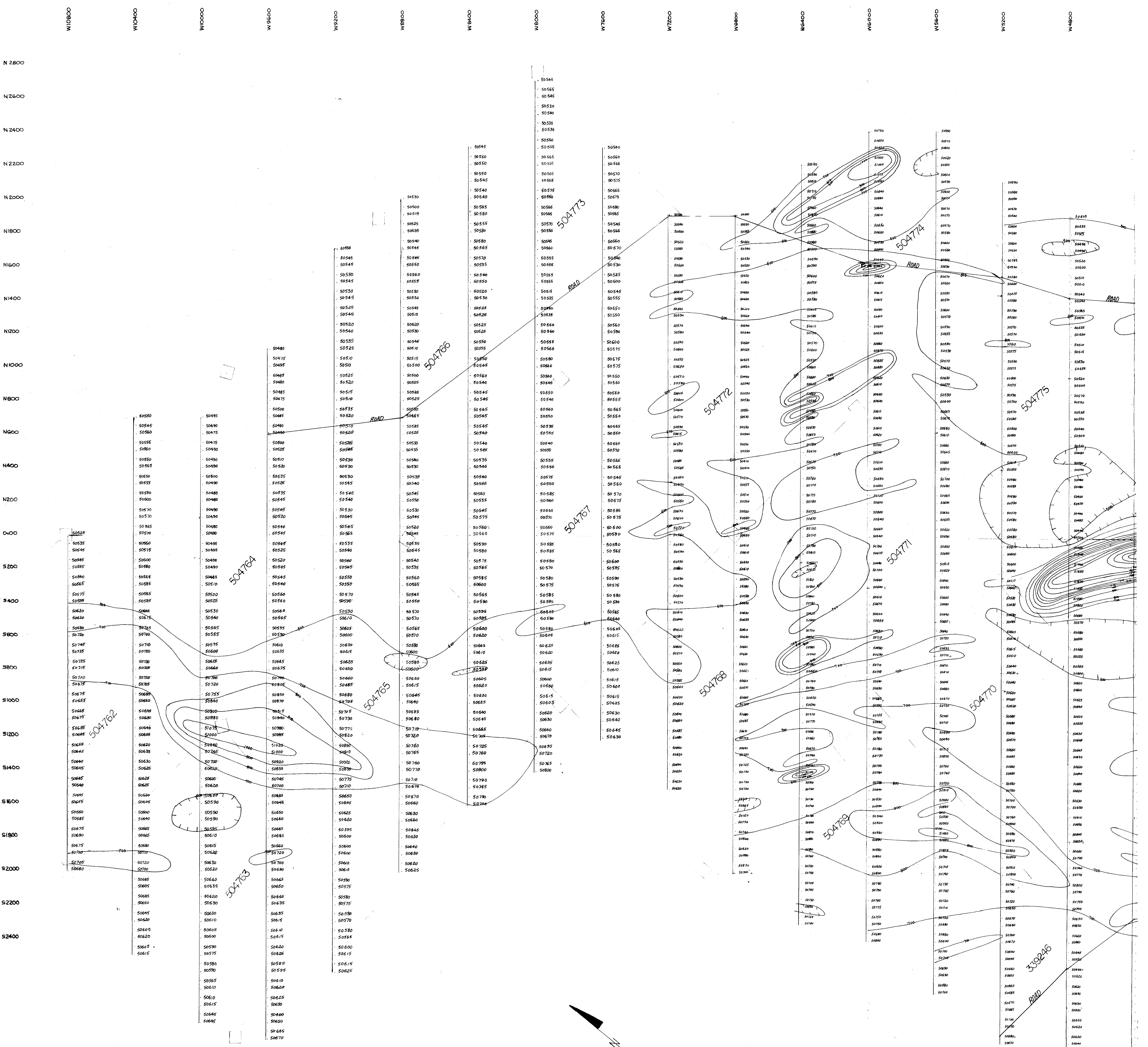


42A11NE0211 2.4779 TULLY

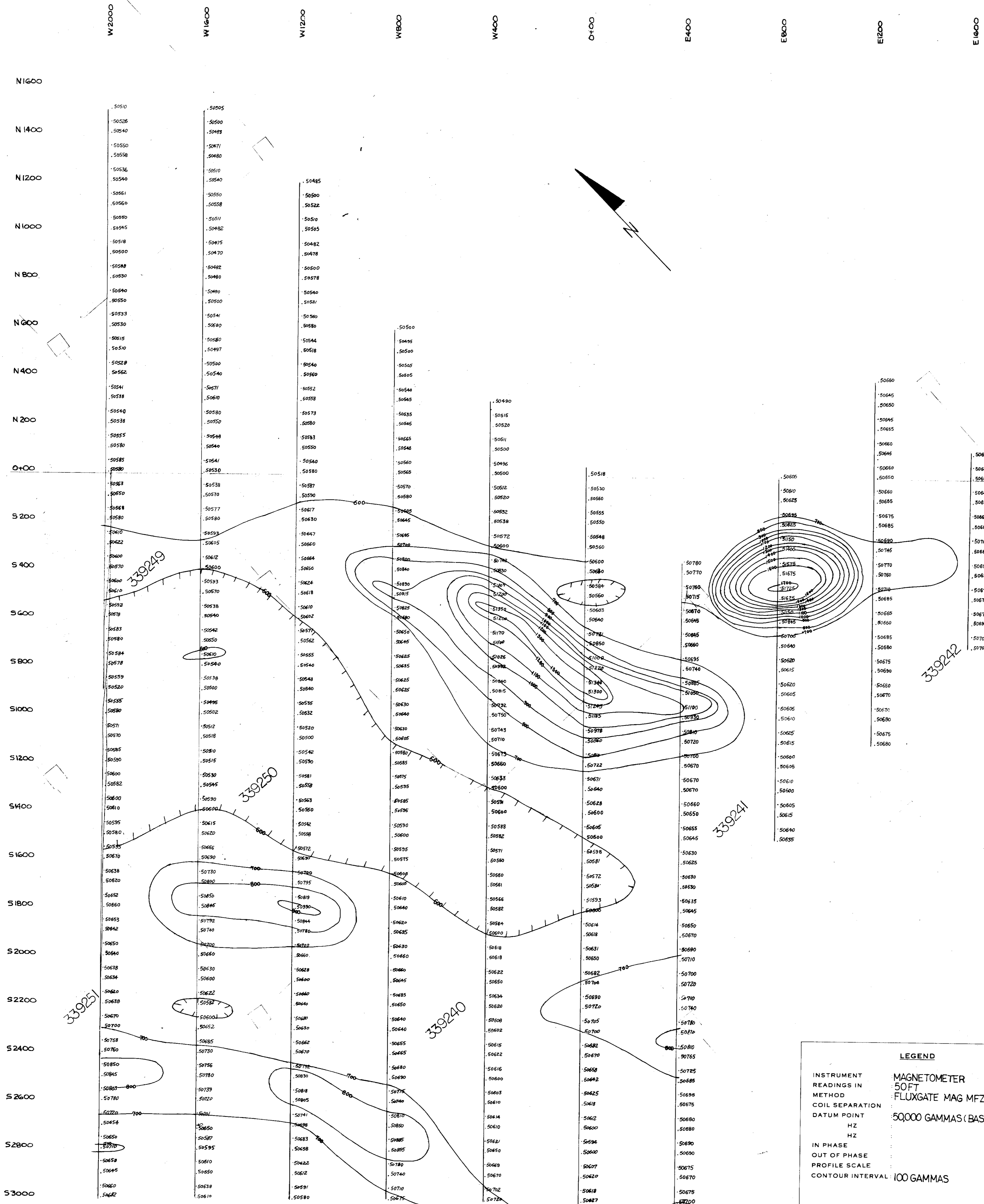


LEGEND
 INSTRUMENT: MAGNETOMETER
 READINGS IN: 50 FT
 METHOD: FLUXGATE MAG MFZ
 COIL SEPARATION: 50,000 GAMMAS (BASE)
 DATUM POINT: HZ
 IN PHASE: HZ
 OUT OF PHASE: HZ
 PROFILE SCALE: HZ
 CONTOUR INTERVAL: 100 GAMMAS





INSTRUMENT MA
 READINGS IN 50
 METHOD FL
 COIL SEPARATION
 DATUM POINT 50
 HZ
 HZ
 IN PHASE
 OUT OF PHASE
 PROFILE SCALE
 CONTOUR INTERVAL 10



LEGEND

INSTRUMENT: MAGNETOMETER
 READINGS IN: 50 FT
 METHOD: FLUXGATE MAG MFZ
 COIL SEPARATION: 50,000 GAMMAS (BASE)
 DATUM POINT: HZ
 IN PHASE: HZ
 OUT OF PHASE: HZ
 PROFILE SCALE: HZ
 CONTOUR INTERVAL: 100 GAMMAS

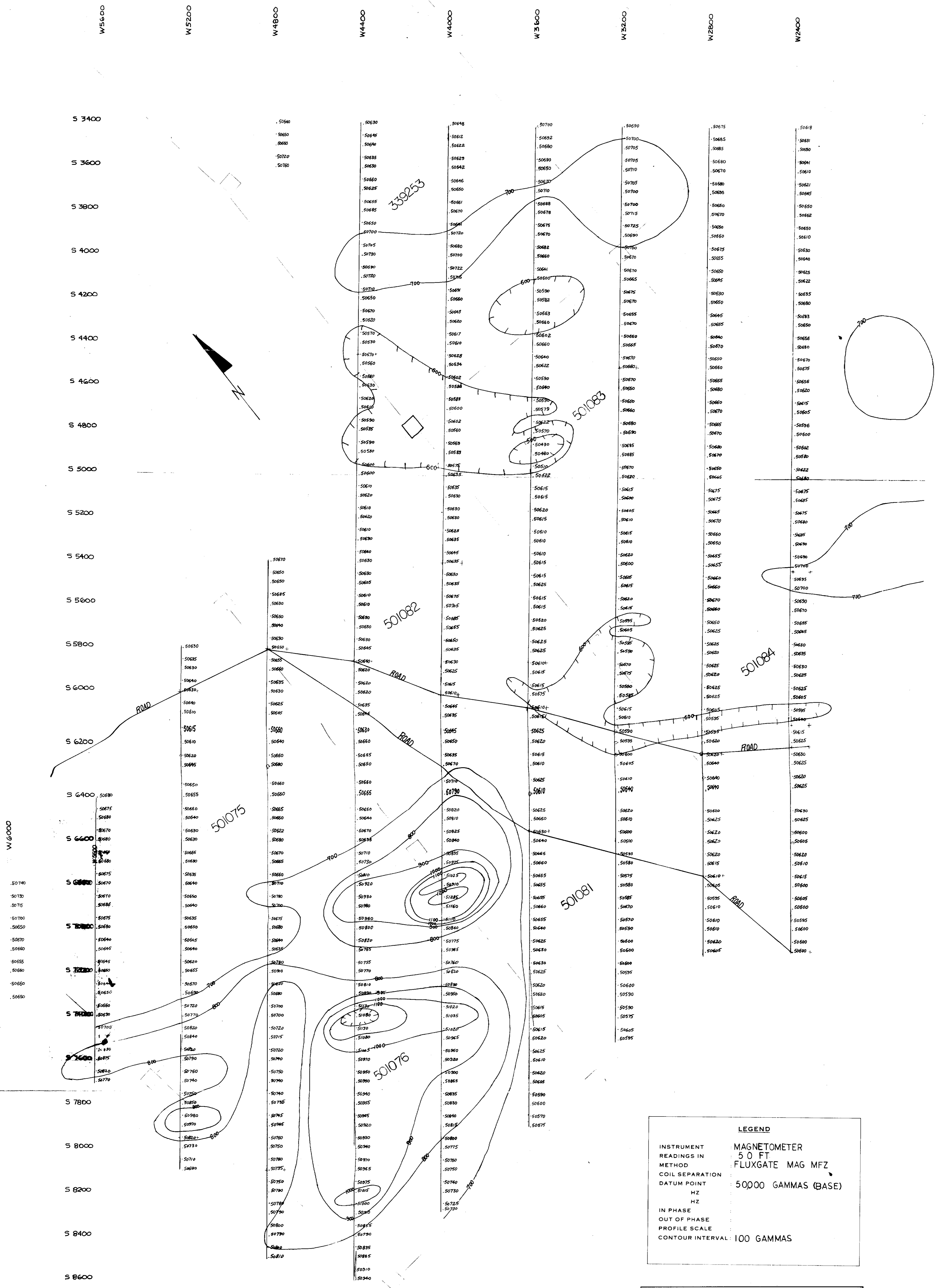
MAGNETOMETER SURVEY

Project: McMURPHY - HANSON TULLY TWP.
 Surveyed By: M.V. Date: FEB. 1982
 Drawn By: Scale: 1" = 200'

ABITIBI-PRICE
 MINERAL RESOURCES DIVISION

FIG. NO. 3 OF 4





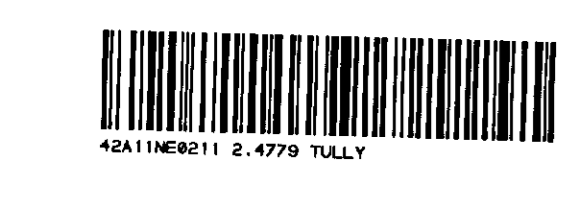
LEGEND	
INSTRUMENT	MAGNETOMETER
READINGS IN	50 FT
METHOD	FLUXGATE MAG MFZ
COIL SEPARATION	
DATUM POINT	50000 GAMMAS (BASE)
	HZ
IN PHASE	
OUT OF PHASE	
PROFILE SCALE	
CONTOUR INTERVAL	100 GAMMAS

MAGNETOMETER SURVEY

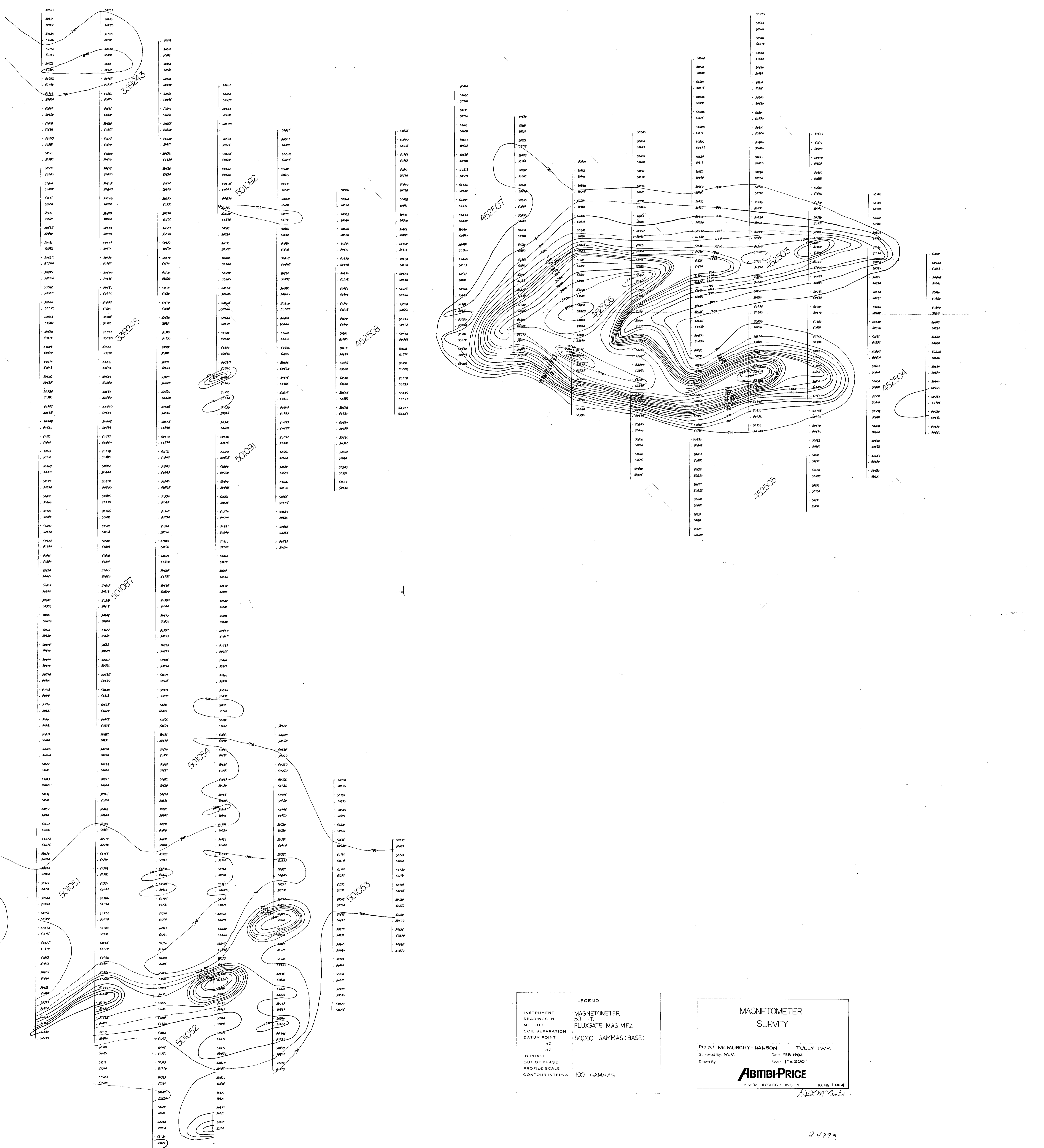
Project: MC MURCHY - HANSON TULLY TWP.
 Surveyed By: M. V. Date: FEB. 1982
 Drawn By: Scale: 1" = 200'

ABITIBI-PRICE
 MINERAL RESOURCES DIVISION

FIG. NO. 4 OF 4
RAM



E4000 E4100 E4200 E4300 E4400 E4500 E4600 E4700 E4800 E4900 E5000 E5100 E5200 E5300 E5400 E5500 E5600 E5700 E5800 E5900 E6000



LEGEND

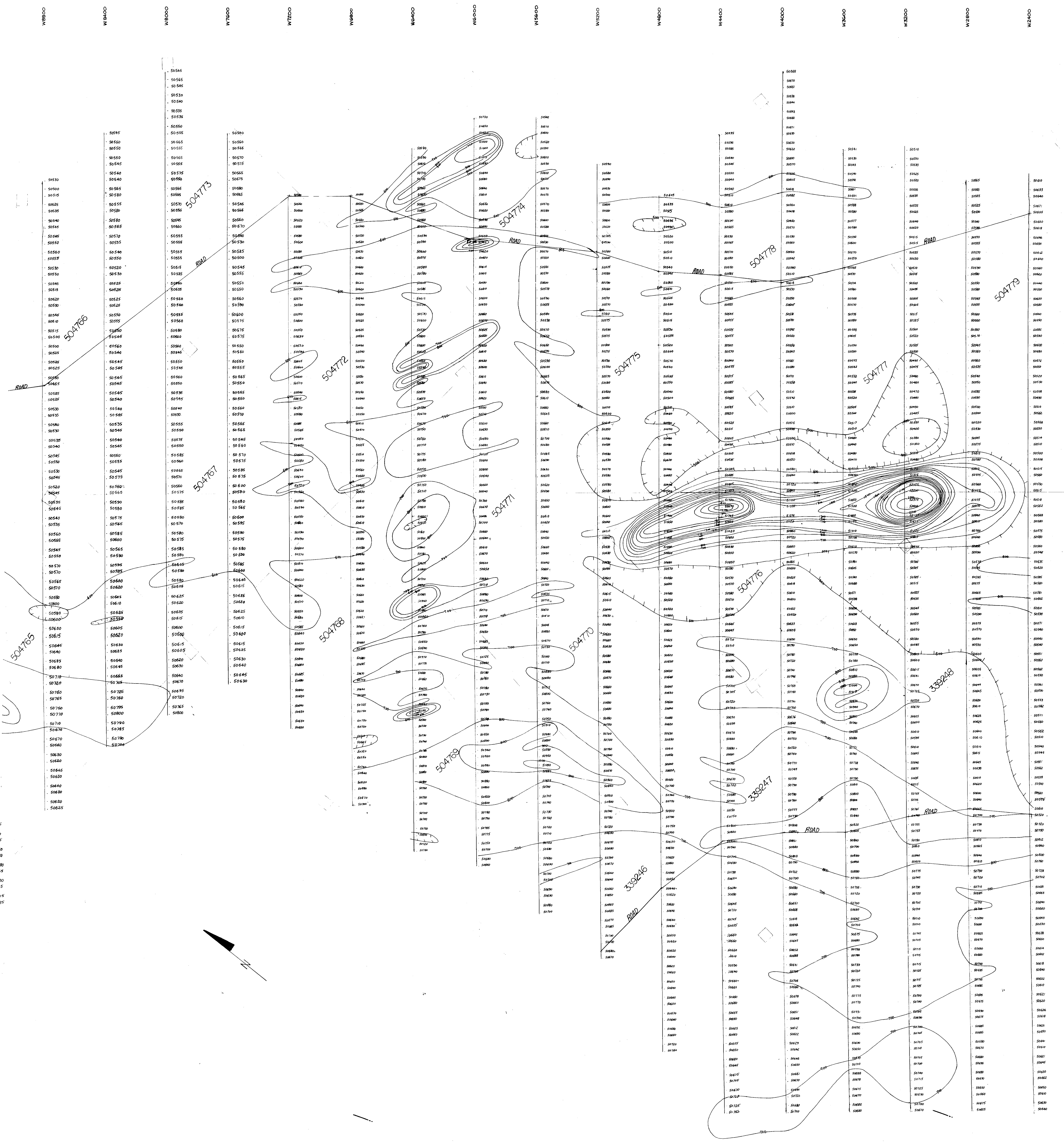
INSTRUMENT: MAGNETOMETER
 READINGS IN: 50 FT
 METHOD: FLUXGATE MAG MFZ
 COIL SEPARATION: 80,000 GAMMAS (BASE)
 DATUM POINT: HZ
 IN PHASE: HZ
 OUT OF PHASE: HZ
 PROFILE SCALE: HZ
 CONTOUR INTERVAL: 100 GAMMAS

MAGNETOMETER SURVEY

Project: McMURPHY-HANSON TULLY TWP.
 Surveyed By: M.V. Date: FEB 1982
 Drawn By: Scale: 1" = 200'

ABIMBI-PRICE
 MINERAL RESOURCES DIVISION

FIG. NO. 1 OF 4
DAMC



LEGEND
INSTRUMENT
MAGNETOMETER
50 FT
FLUXGATE MAG MFZ
METHOD
COIL SEPARATION
50,000 GAMMAS (BASE)
DATUM POINT
HZ
IN PHASE
OUT OF PHASE
PROFILE SCALE
CONTOUR INTERVAL 100 GAMMAS

MAGNETOMETER
SURVEY
Project: McMURPHY - HANSON TULLY TWP.
Surveyed By: M. V. Date: FEB 1982
Drawn By: Scale: 1" = 200'
ABIMBI-PRICE
MINERAL RESOURCES DIVISION
FIG. NO. 2 OF 4

24779