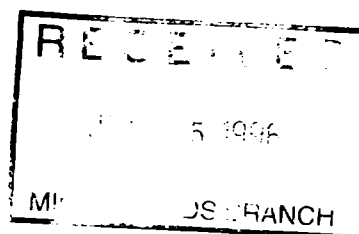


42A15SW0065 2 16649 MANN

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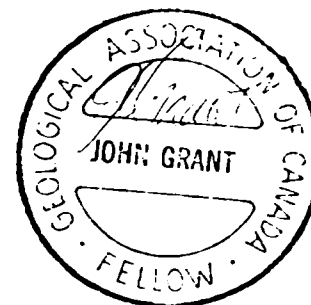
GEOPHYSICAL REPORT  
FOR  
FALCONBRIDGE LIMITED  
ON THE  
MANN BELT  
GRID #MAN96-10  
MANN TOWNSHIP, PORCUPINE MINING DIVISION  
NORTHEASTERN ONTARIO



2.16649

*Qual. # 2.3973*

PREPARED BY: J.C. Grant, CET, FGAC  
February, 1996





42A15SW0065 2 16649 MANN

010C

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INTRODUCTION

The services of Exsics Exploration Limited were retained by Falconbridge Limited to complete a line cutting and geophysical program on a group of claims located in Mann Township, Grid #Man96-10, of the Porcupine Mining Division in Northeastern Ontario. Figure 1 and 2.

The purpose of this program was to locate and outline airborne targets in an area which was considered favourable for base metal deposition.

The linecutting of the grid began on January 9th, 1996 and was completed on January 20, 1996. The geophysics was started on the 22nd of January and was completed on the 23rd of January, 1996. Due to an error in communications, the grid was reread between February 12th and 14th to complete a detailed magnetic survey only. In all, a total of 11.8 kilometers of grid lines were established on the claim group.

PROPERTY LOCATION AND ACCESS

Grid, Man96-10, is located in the central-north section of Mann Township and generally covers the central portions of Lot 8, 7 and 6, Concession IV. Pickerel Lake is situated approximately 700 meters to the west of the grid. The entire grid is located approximately 25 kilometers northwest of the Town of Iroquois Falls. Figure 2.

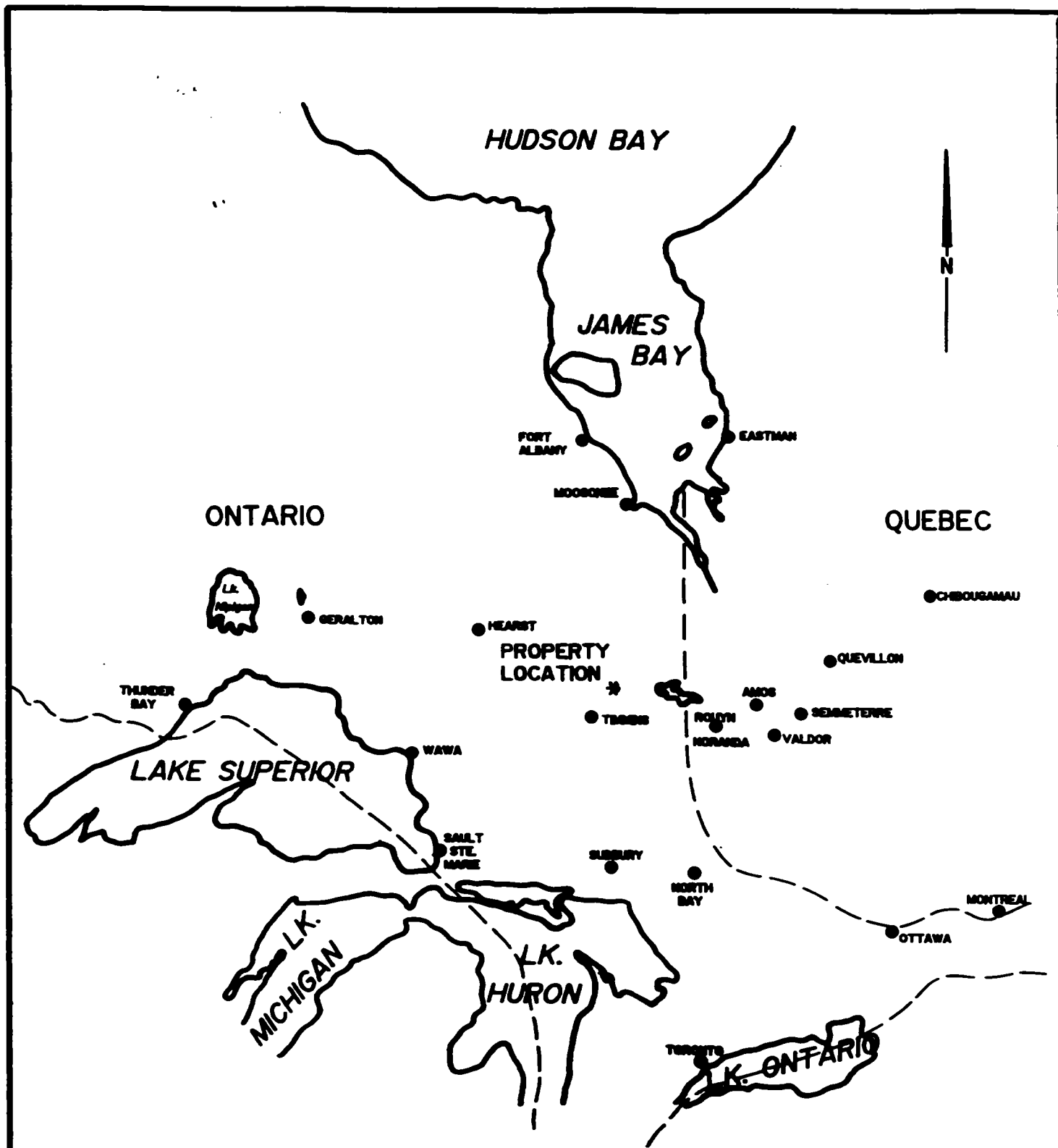
Access to the grid during the survey period was ideal. Falconbridge Limited has plowed open a drivable road which commences on Highway 11 North at the junction of Concession V and VI. This plowed road runs west along the concession line to an old bridge across the Fredrick House River. A second plowed road was then pushed to the southeast to access the northeast corner of the grid. Travelling time from Timmins to the grid is approximately 1.8 hours.


CLAIM GROUP

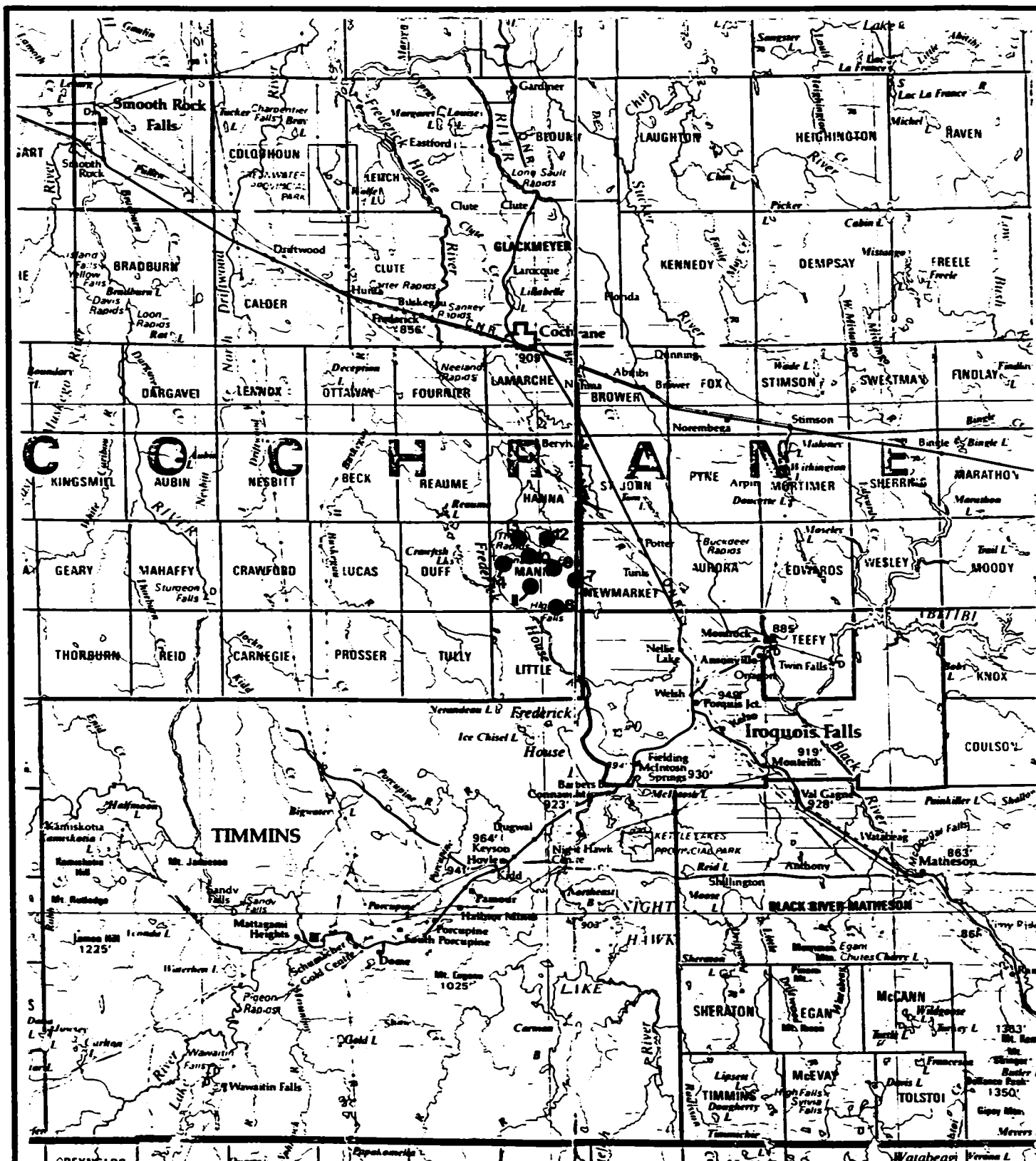
The claim numbers which were partially covered by the grid are as follows.

P-1200915	16 units
P-1200916	16 units

Refer to figure 3, copied from the MNDM Plan map #G-3537, of Mann Township, scale 1:20,000.



		
<b>EXSICS EXPLORATION LTD.</b> P.O. Box 1804, P.M. 701 Suite 18, Ridgeway Bldg., Toronto, Ont. Telephone: 765-287-4351		
<b>CLIENT: FALCONBRIDGE LIMITED</b>		
<b>PROPERTY: MANN BELT PN 8269</b>		
<b>TITLE: MANN TWP LOCATION MAP</b>		
<b>Fig. 1</b>		
<b>Date:</b> Feb. 1996	<b>Scale:</b> 1"=25miles	<b>MNDM Plan#:</b>
<b>Drawn:</b> P. Gauthier	<b>Interp:</b> J.C. Grant	<b>Job No.</b> E-145



**EXSICS EXPLORATION LTD.**  
 P.O. Box 1000, P40-7X1  
 Suite 13, McMillan 940g, Timmins Ont.  
 Telephone: 705-267-451

**CLIENT: FALCONBRIDGE LIMITED**

**PROPERTY: MANN BELT PN 8269**

**TITLE: MANN TWP**

**PROPERTY LOCATION** Fig. 2

**Date: Feb. 1996**

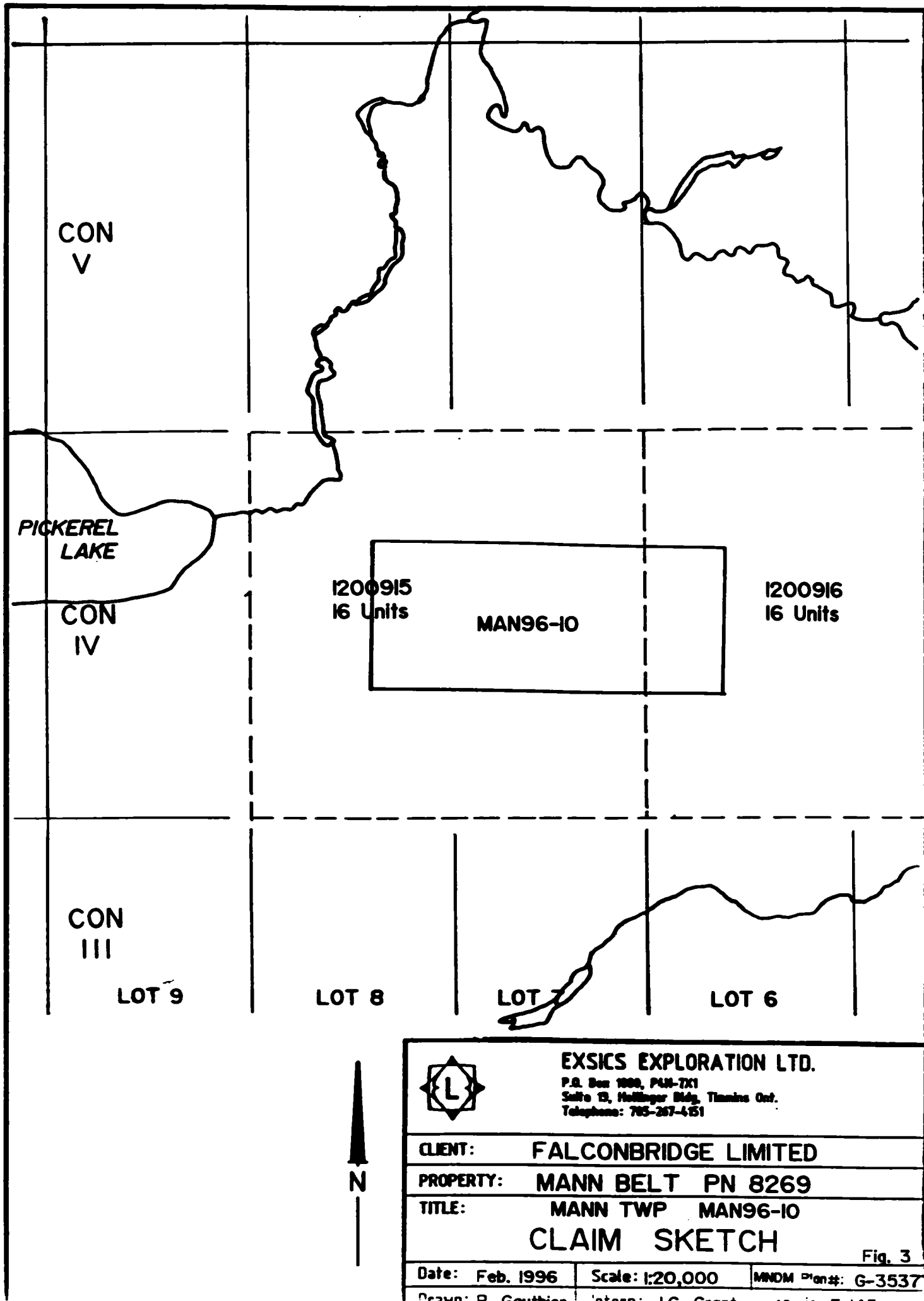
**Scale: 1:600,000**

**MNDM Plan#: 22-6**

**Drawn:**

**Interp: J.C. Grant**

**Job No. E-145**



CON  
V

PICKEREL  
LAKE

CON  
IV

1200915  
16 Units

MAN96-10

1200916  
16 Units

CON  
III

LOT 9

LOT 8

LOT 7

LOT 6



**EXSICS EXPLORATION LTD.**

P.O. Box 1000, P4M-7X1  
Suite 13, Hollinger Bldg, Timmins Ont.  
Telephone: 705-267-4151

**CLIENT: FALCONBRIDGE LIMITED**

**PROPERTY: MANN BELT PN 8269**

**TITLE: MANN TWP MAN96-10**

**CLAIM SKETCH**

Fig. 3

Date: Feb. 1996

Scale: 1:20,000

MNDM Plan#: G-3537

Drawn: B. Gauthier

Intern: J.C. Grant

Scale: 1:20,000

PERSONNEL

The field crew directly responsible for the collection of all data were as follows:

Richard Mathieu..... Timmins, Ontario  
 Robin Mathieu..... Timmins, Ontario  
 Todd Mathieu..... Timmins, Ontario

The geophysical program was completed under the direct supervision of J.C.Grant and all plotting and computer compilation was completed by P. Gauthier of Exsics.

LINECUTTING PROGRAM

The grid consisted of 100 meter line spacing and 25 meter station spacing. The baseline was turned off from the existing baseline of the summer program and was cut at 090 degrees from line 100MW to 1300ME. The stations were chained from BL 0+00 to TL 600MN.

GEOPHYSICAL PROGRAM

This program consisted of a total field magnetic survey done in conjunction with a Horizontal Loop, electromagnetic, HLEM, survey. The magnetic survey was completed on the entire cut grid however the HLEM survey was completed on the cross lines only.

The magnetic survey was completed using the BRGM, OMNI IV system. Specifications for this system can be found as Appendix A of this report. The HLEM survey was completed using the Apex Parameterics, MaxMin II system. Specifications for this system can be found as Appendix B of this report.

MAGNETIC SURVEY:

The following parameters were kept constant throughout the survey.

Linespacing.....	100 meters
Station spacing.....	25 meters
Reading interval.....	12.5 meters
Diurnal monitior.....	Base station recorder
record interval.....	30 seconds
Reference field.....	57960 gammas
Datum subtract.....	57500 gammas
Unit accuracy.....	+/- 0.1 gamma
Parameters measured.....	Earth's total magnetic field

The collected, corrected and levelled data was then plotted directly onto a base map at a scale of 1:5000 and then contoured at 20 gamma intervals where possible. A copy of this base map is included in the back pocket of this report.

**HLEM SURVEY:**

The following parameters were kept constant throughout the survey.

Linespacing.....	100 meters
Station spacing.....	25 meters
Reading interval.....	25 meters
Coil seperation.....	150 meters
Theoretical search depth.....	75-85 meters
Frequencies recorded.....	1777hz, 444hz
Parameters measured.....	inphase and quadrature components of the secondary field.
Unit accuracy.....	+/- 0.5 percent

The collected data was then plotted directly onto a base map at a scale of 1:5000, one base map for each frequency, and then profiled at 1cm to +/-20%. An interpretation for each line of the conductor was done as far as depth to source and apparent conductivity in Mhos and was put directly onto the base map. A copy of these base maps are included in the back pocket of this report.

**SURVEY RESULTS**

The HLEM survey was successful in locating and outlining two parallel conductive horizons on the grid. For interpretation purposes they have been labelled Zones A and B. Each of the zones will be discussed seperately and in detail.

**ZONE A:**

This zone represents the most predominant and strongest target on the survey grid. It represents a good shallow bedrock conductor ranging in depth from 10 to 20 meters to a depth of 50 to 60 meters as the zone strikes to the east. The conductivity of the zone ranges from 15 to 38 mhos and appears to dip to the south.

The magnetics suggest that the entire zone lies along the north flank of a strong magnetic unit most probably representing the north edge of an ultramafic unit.



The strongest and widest portion of the zone which strikes across lines 300ME and 400ME correlates with a weak slumping in the magnetic contours. This may represent a concentration of sulphides along the contact between the ultramafics and the mafics.

**ZONE B:**

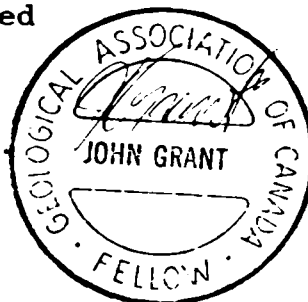
This zone closely parallels the strike of Zone A. Infact it's closeness to Zone A hampers a better definition of the depth and conductivity of the target. As the zone continues to the east, it strikes further north of Zone A and can be better defined. Interpretation of line 1000ME suggests that the target is situated at a depth to source of 30 meters with good conductivity of 15 mhos. The magnetics suggest that the majority of the zone lies within the mafics however, the eastern extension, especially that portion striking across lines 900ME, 1000ME and 1100ME, appears to correlate to the northern edge of the ultramafic unit covering most of the southern section of the grid. Again there is mild slumping in the magnetic contours, this time to the north of the zone. The dip of the zone is not evident, however, it should be the same as Zone A.

**CONCLUSIONS AND RECOMMENDATIONS**

The ground program was successful in locating and outlining two good bedrock conductors. Zone A should be tested by drilling as should Zone B. Both of the targets could be tested from the same drill set-up as the zones are close together. Should follow-up surveys be contimplated, then an HLEM survey using a shorter cable length may help in seperating the two zones.

Respectfully submitted

J.C.Grant, CET, FGAC  
February, 1996.



CERTIFICATE

I, John C. Grant, hereby certify that:

1) I am a graduate geophysicist (1975) of the three year program in Geological Technology at Cambrian College of Applied Arts and Technology, Sudbury, Campus. I have worked subsequently as an Exploration Geophysicist for Teck Exploration Limited (5 years), North Bay office, and as Exploration Manager and Geophysicist for Exsics Exploration Limited from 1980 to present.

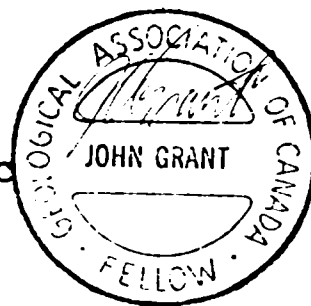
2) I am a Member of the Certified Engineering Technologist Association since 1984.

3) I am a member of the Geological Association of Canada.

4) I have been actively engaged in my profession for the last twenty (20) years, including all aspects of exploration studies, surveys and interpretations.

5) I have no specific or special interest in the described property. I have been retained as a Consulting Geophysicist by the claim holders.

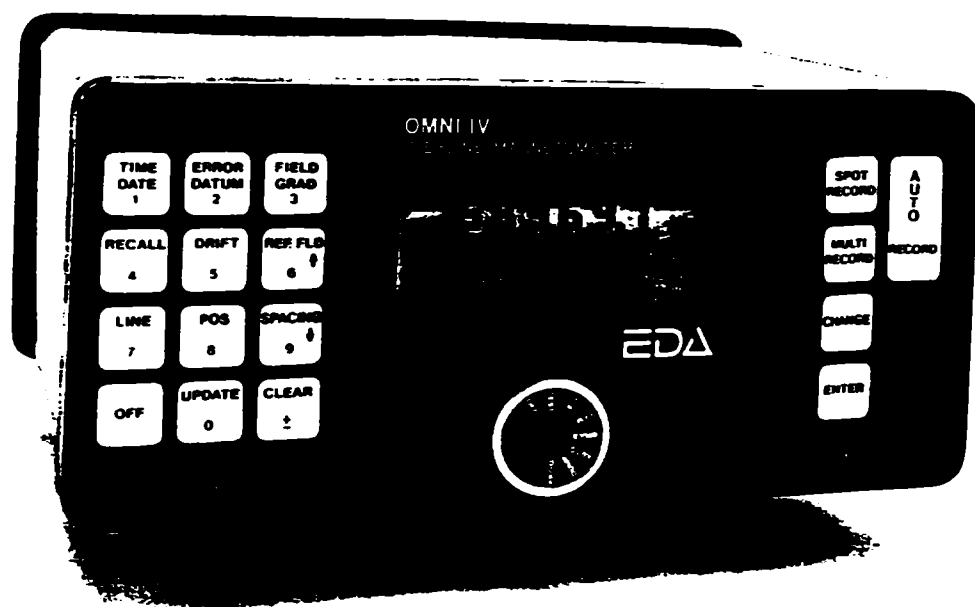
John Charles Grant, CET, FGAC



*APPENDIX A*

# OMNI IV "Timeline" Magnetometer

# EDA



- Four Magnetometers in One
- Self Correcting for Diurnal Variations
- Reduced Instrumentation Requirements
- 25% Weight Reduction
- User Friendly Keypad Operation
- Universal Computer Interface
- Comprehensive Software Packages



## Specifications

Dynamic Range	18,000 to 110,000 gammas. Roll-over display feature suppresses first significant digit upon exceeding 100,000 gammas.
Tuning Method	Tuning value is calculated accurately utilizing a specially developed tuning algorithm
Automatic Fine Tuning	$\pm 15\%$ relative to ambient field strength of last stored value
Display Resolution	0.1 gamma
Processing Sensitivity	$\pm 0.02$ gamma
Statistical Error Resolution	0.01 gamma
Absolute Accuracy	$\pm 1$ gamma at 50,000 gammas at 23°C $\pm 2$ gamma over total temperature range
Standard Memory Capacity	
Total Field or Gradient	1,200 data blocks or sets of readings
One-Line Points	100 data blocks or sets of readings
Base Station	5,000 data blocks or sets of readings
Display	Custom-designed, ruggedized liquid crystal display with an operating temperature range from $-40^{\circ}\text{C}$ to $+55^{\circ}\text{C}$ . The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors.
Serial I/O Interface	2400 baud, 8 data bits, 2 stop bits, no parity
Radiant Tolerance	6,000 gammas per meter (field proven)
Test Mode	A. Diagnostic testing (data and programmable memory) B. Self Test (hardware)
Design	Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy.
Radiant Sensors	0.5 meter sensor separation (standard), normalized to gammas/meter. Optional 1.0 meter sensor separation available. Horizontal sensors optional.
Sensor Cable	Remains flexible in temperature range specified, includes strain-relief connector
Measuring Time (Base Station Mode)	Programmable from 5 seconds up to 60 minutes in 1 second increments
Operating Environmental Range	$-40^{\circ}\text{C}$ to $+55^{\circ}\text{C}$ ; 0-100% relative humidity; weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid battery cartridge or belt; rechargeable NiCad or Disposable battery cartridge or belt; or 12V DC power source option for base station operation.
Battery Cartridge/Belt Life	2,000 to 5,000 readings, for sealed lead acid power supply, depending upon ambient temperature and rate of readings
Weights and Dimensions	
Instrument Console Only	2.8 kg, 238 x 150 x 250mm
NiCad or Alkaline Battery Cartridge	1.2 kg, 235 x 105 x 90mm
NiCad or Alkaline Battery Belt	1.2 kg, 540 x 100 x 40mm
Lead-Acid Battery Cartridge	1.8 kg, 235 x 105 x 90mm
Lead-Acid Battery Belt	1.8 kg, 540 x 100 x 40mm
Sensor	1.2 kg, 56mm diameter x 200mm
Gradient Sensor	
(0.5m separation - standard)	2.1 kg, 56mm diameter x 790mm
Gradient Sensor	
(1.0m separation - optional)	2.2 kg, 56mm diameter x 1300mm
Standard System Complement	Instrument console; sensor; 3-meter cable, aluminum sectional sensor staff, power supply, harness assembly, operations manual.
Base Station Option	Standard system plus 30 meter cable
Gradientometer Option	Standard system plus 0.5 meter sensor

EDA Instruments Inc.  
4 Thorncliffe Park Drive  
Toronto, Ontario  
Canada M4H 1H1  
Telex: 06 23222 EDA TOR  
Cable: Instruments Toronto  
(416) 425 7800

In U.S.A.  
EDA Instruments Inc.  
5151 Ward Road  
Wheat Ridge, Colorado  
U.S.A. 80033  
(303) 422 9112

Printed in Canada

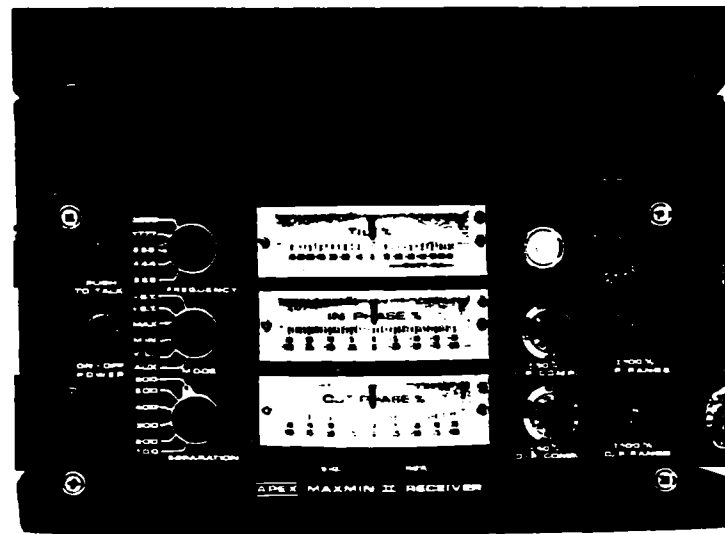
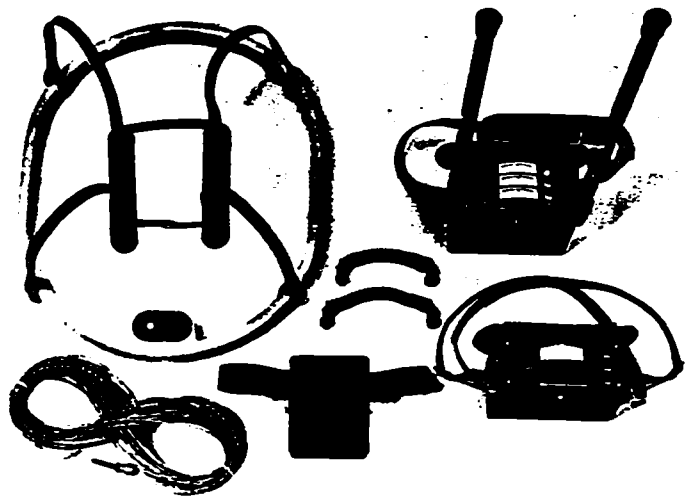
***APPENDIX B***

# APEX

# MAXMIN II PORTABLE EM

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





	222, 444, 888, 1777 and 3555 Hz.	Termination:	$\pm 0.25\%$ to $\pm 1\%$ normally, depending on conditions, frequencies and coil separation used.
	<b>MAX:</b> Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with refer. cable.	Transmitter & Receiver:	- 222 Hz : 220 Atm <sup>2</sup> - 444 Hz : 200 Atm <sup>2</sup> - 888 Hz : 120 Atm <sup>2</sup> - 1777 Hz : 60 Atm <sup>2</sup> - 3555 Hz : 30 Atm <sup>2</sup>
	<b>MIN:</b> Transmitter coil plane horizontal and receiver coil plane vertical (Min-coupled mode). Used with reference cable.	Receiver Batteries:	9V trans. radio type batteries (4). Life: approx. 35 hrs. continuous duty (alkaline, 0.5 Ah), less in cold weather.
	<b>V.L.:</b> Transmitter coil plane vertical and receiver coil plane horizontal (Vertical-loop mode). Used without reference cable, in parallel lines.	Transmitter & Receiver:	12V 6Ah Gel-type rechargeable battery. (Charger supplied).
Coil Separation:	25, 50, 100, 150, 200 & 250m (MMID) or 100, 200, 300, 400, 600 and 800 ft. (MMIF). Coil separations in VL mode not restricted to fixed values.	Reference Cable:	Light weight 2-conductor teflon cable for minimum friction. Unshielded. All reference cables optional at extra cost. Please specify.
Measurement Mode:	- In-Phase and Quadrature components of the secondary field in MAX and MIN modes. - Tilt-angle of the total field in VL mode.	Voice Unit:	Built-in intercom system for voice communication between receiver and transmitter operators in MAX and MIN modes, via reference cable.
Readouts:	- 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 VL mode.	Indicator Lights:	Built-in signal and reference warning lights to indicate erroneous readings.
Scale Range:	In-Phase: $\pm 20\%$ , $\pm 100\%$ by push-button switch. Quadrature: $\pm 20\%$ , $\pm 100\%$ by push-button switch. Tilt: $\pm 75\%$ slope. Null (VL): Sensitivity adjustable by separation switch.	Temperature Range:	$-40^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ ( $-40^{\circ}\text{F}$ to $+140^{\circ}\text{F}$ ).
Accuracy:	In-Phase and Quadrature: 0.25% to 0.5% ; Tilt: 1%.	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 cases.

Specifications subject to change without notification.

200 STEELCASE RD. E., MARKHAM, ONT., CANADA, L3R 1G2

Phone: (416) 495-1612

Cables: APEXPARA TORONTO

Telex: 06-966773 NORDVIK TOR





### Report of Work Conducted After Recording Claim

 Transaction Number  
**W9660-00306**

Personal information collected on this form is obtained in this collection should be directed to the Provincial Map Sudbury, Ontario, P3E 6A8, telephone (705) 870-7284.



42A15SW0065 2 16649 MANN

900

- Instructions:
- Please type or print and sign
  - Refer to the Mining Act and Recorder.
  - A separate copy of this form must be completed for each Work Group.
  - Technical reports and maps must accompany this form in duplicate.
  - A sketch, showing the claims the work is assigned to, must accompany this form.

# 2.16649

Recorded Holder(s) <b>FALCONBRIDGE LIMITED</b>		Client No. <b>130679</b>
Address <b>571 Moneta Ave. P.O. Box 1140 Timmins, Ont P4N 7H9</b>		Telephone No. <b>(705) 267-1188</b>
Mining Division <b>Porcupine</b>	Consolidation <b>MANN</b>	M or U Plan No.
Date Work Performed From <b>JANUARY 9, 1996</b>	To <b>JANUARY 23, 1996</b>	

**Work Performed (Check One Work Group Only)**

Work Group	Type
Geotechnical Survey	Linecutting 11.8 km, Map 11.8 km, HLEM 9.0 km
Physical Work, including Drilling	
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	

 Total Assessment Work Claimed on the Attached Statement of Costs \$ **6970**

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

**Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)**

Name	Address
Exsics Exploration Ltd.	P.O. Box 1880 Suite 13 Hollinger Bldg. Timmins, Ont. (705) 267-4151

(attach a schedule if necessary)

**Certification of Beneficial Interest \* See Note No. 1 on reverse side**

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date <b>Apr. 12/96</b>	Recorded Holder or Agent (Signature) <b>C. Petz</b>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------	--------------------------------------------------------

**Certification of Work Report**

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and enclosed report is true.		
Name and Address of Person Certifying <b>CHRISTINE PETZ 571 Moneta Ave. P.O. Box 1140 Timmins Ont. P4N 7H9</b>		
Telephone No. <b>(705) 267-1188</b>	Date <b>April 12/96</b>	Certified By (Signature) <b>C. Petz</b>

**For Office Use Only**

Total Value Cr. Recorded <b>6970</b>	Date Recorded	Mining Recorder <b>Not dated</b>	Recorder's Signature <b>Shary White</b>
	Deemed Approval Date <b>July 24/96</b>	Date Approving	
	Date Noted for Amendments Sent		

**RECEIVED**  
 (r)  
 APR 25 1996  
 TR 1100  
 PORCUPINE MINING DIVISION





Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Transaction No./N° de transaction  
W 9660 00306

Mining Act/Loi sur les mines

2006-06-09

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	300	
	Field Supervision Supervision sur le terrain	300	600
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type Linecutting	3345	Invoice # 389, 391
	HLEM	2803	
	Mag		6148
Supplies Used Fournitures utilisées	Type Flagging	10	
	Picket tags	62	
			72
Equipment Rental Location de matériel	Type Truck	100	
	Snow mobile	50	
Total Direct Costs Total des coûts directs			6970

2. Indirect Costs/Coûts indirects

Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work. Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démoblisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			
Total Value of Assessment Credit (Total of Direct and Allowable indirect costs) Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)			6970

RECEIVED  
JUL 5 1996  
MINING LANDS BRANCH

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
	x 0,50 =

Certification Verifying Statement of Costs

I hereby certify that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as C. PEZZI I am authorized (Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de \_\_\_\_\_ je suis autorisé (titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature: [Signature] Date: April 12/96


**EXSICS EXPLORATION LIMITED**  
 CONTRACTING & CONSULTING GEOPHYSICS

 Tel. (705) 267-4151  
 Fax (705) 264-5790

 P.O. Box 1880  
 Timmins, Ontario P4N 7X1

**RECEIVED**

JUL 5 1996

MINING LANDS BRANCH

 INVOICE #: 389  
 PROJECT #: E-144

 ON ACCOUNT WITH: **Falconbridge Limited**  
 P.O. Box 1140  
 Timmins, Ontario

Attention: Christine Fetch

**2.16649**
G.S.T. REGISTRATION # 113433791

RE: Linecutting of grids Mann, 96-12 and 95-10

AT A RATE OF:

96-12... 18.0 km @ \$265.00/km...	\$4,770.00
95-10... 11.8 km @ \$265.00/km...	\$3,127.00
Sub-total.....	\$7,897.00
7% GST.....	\$ 552.79
total.....	\$8,449.79
3 boxes of tags..\$32.00/box.	\$ 96.00
PST.....	\$ 7.68
GST.....	\$ 6.72

TOTAL OF THIS INVOICE: \$8,560.19

DATE: January 19, 1996

 SIGNED: *[Signature]*

RECEIVED JAN 19 1996

 Jan 28 '96  
 Paul Noyes  
 602-600-8269

 PAYMENT DUE UPON RECEIPT OF INVOICE.  
 TERMS: NET 30, 2% INTEREST PER MONTH ON OVERDUE ACCOUNTS.

*Man 96-12 will finished Jan 23*

*Paul checked in field with side strip to be changed*

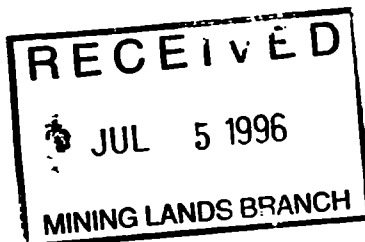
*Do not pay*



**EXSICS EXPLORATION LIMITED**  
CONTRACTING & CONSULTING GEOPHYSICS

Tel. (705) 267-4151  
Fax (705) 264-5790

P.O. Box 1880  
Timmins, Ontario P4N 7X1



INVOICE #: 391  
PROJECT #: E-144

ON ACCOUNT WITH: **Falconbridge Limited**  
P.O. Box 1140  
Timmins, Ontario  
P4N 7H9

ATTENTION: Paul Nagerl

2 16 6 4 9

G.S.T. REGISTRATION # 113433791

RE: Magnetic and Max Min Surveys Mann Township 95-10, 96-12

AT A RATE OF:

96-12	
Magnetic Survey 18 Km @ \$100.00/Km	\$1,800.00
HLEM Survey 13.8 Km @ \$160.00/Km	\$2,208.00
1 day 1 man to spot start of 96-12, 95-10 (Dec27/95)	\$ 200.00
	<u>\$4,208.00</u>
7% GST	\$ 294.56
	<u>\$4,502.56</u>

RECEIVED JAN 28 1996

95-10	
Magnetic Survey 11.8 Km @ \$100.00/Km	\$1,180.00
HLEM Survey 9.0Km @ \$160.00/Km	\$1,440.00
	<u>\$2,620.00</u>
7% GST	\$ 183.40
	<u>\$2,803.40</u>

TOTAL OF THIS INVOICE: \$7,305.96

DATE: January 26, 1996

SIGNED *Karan Talon*

*Jan 28-96*  
*Paul Nagerl*  
*602-600-8269*

*MAN 95-10 & 12 95-10*  
*not complete (1200 sites)*

Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

Geoscience Assessment Office  
933 Ramsey Lake Road  
6th Floor  
Sudbury, Ontario  
P3E 6B5

Telephone: (705) 670-5853  
Fax: (705) 670-5863

July 19, 1996

Our File: 2.16649  
Transaction #: W9660.00306

Mining Recorder  
Ministry of Northern Development & Mines  
60 Wilson Ave.  
1st Floor  
Timmins, Ontario  
P4N 2S7

Dear Mr. White:

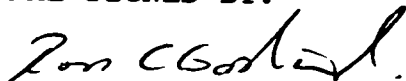
**SUBJECT: APPROVAL OF ASSESSMENT WORK CREDIT ON MINING LAND, CLAIM(S)  
1200915 (ET AL.) IN MANN TOWNSHIP (AREA)**

Assessment work credit has been approved as outlined on the Declaration of Assessment Work Form accompanying this submission. The credit has been approved under Section 14, Geophysics(MAG,EM) of the Assessment Work Regulation.

**The approval date is July 16, 1996. Please indicate this approval on the claim record.**

If you have any questions regarding this correspondence, please contact Bruce Gates at (705) 670-5856.

Yours sincerely,  
ORIGINAL SIGNED BY:



Ron C. Gashinski  
Senior Manager, Mining Lands Section  
Mines and Minerals Division

*BSB* BIG/cc

cc: Resident Geologist  
Timmins, Ontario

✓ Assessment Files Library  
Sudbury, Ontario

G-2321  
MANN  
W.P.R.

AREAS WITHDRAWN FROM DISPOSITION  
M.R.O. - MINING RIGHTS ONLY  
S.R.O. - SURFACE RIGHTS ONLY  
M.I.S. - MINING AND SURFACE RIGHTS

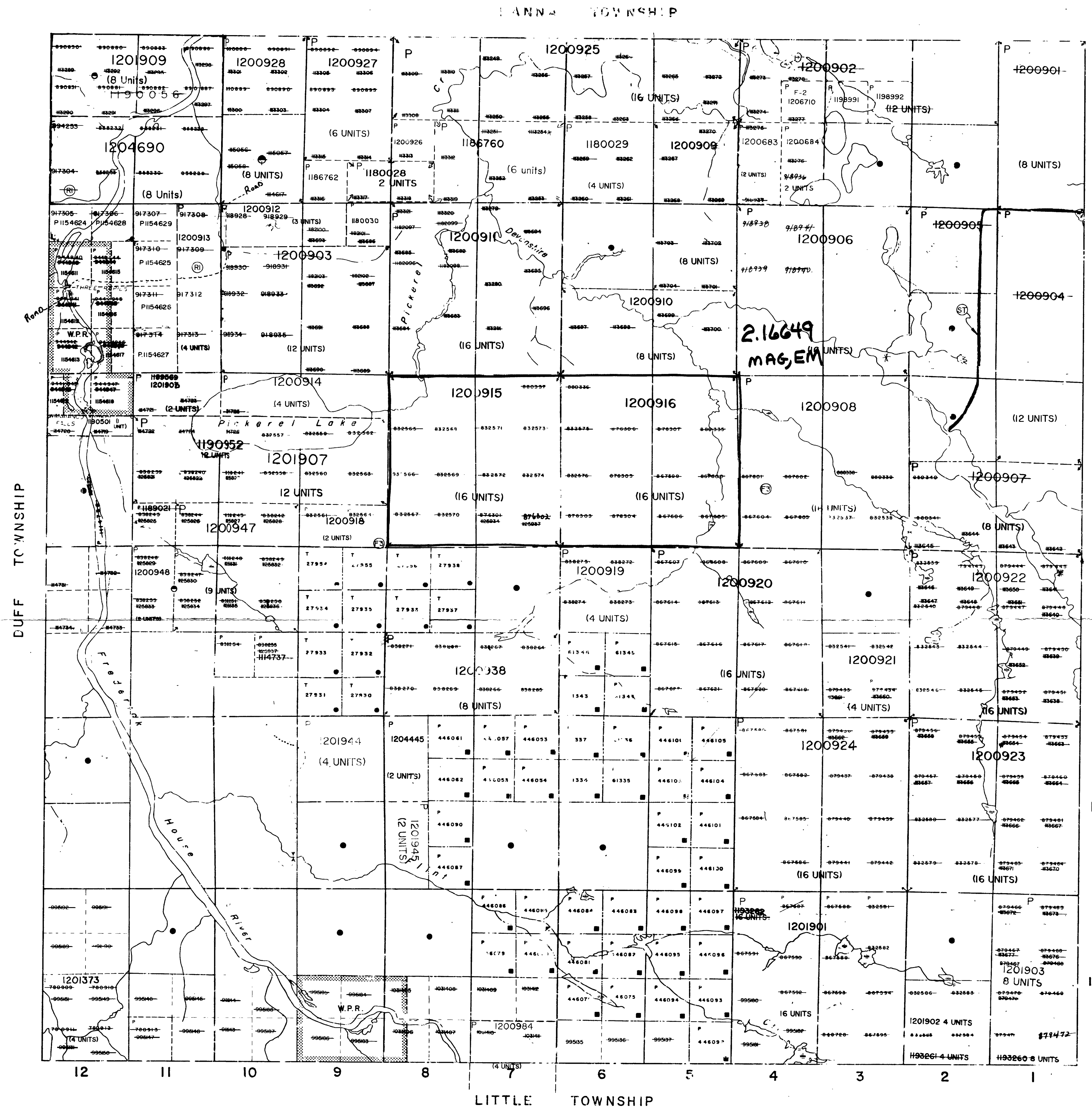
W.P.R. WATER POWER RESERVE

W.D. 87 / 87

(R) MINING AND SURFACE RIGHTS WITHDRAWN UNDER SECTION 36 OF THE MINING ACT (OCTOBER 15, 1997) AND THE 89-055 SURFACE AND MINING RIGHTS RE-OPENED TO PROSPECTING, STANDING OUT, SALE OR LEASE UNDER SECTION 36 OF THE MINING ACT (AUG 1990) EFFECTIVE 90-SEP-26 AT 7AM E.S.T. ORDER NO. O-P 4/90 NR DATED 90-AUG-22.

NOTE: P1125637 PLOTTED IN ERROR. S/B P114737.

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

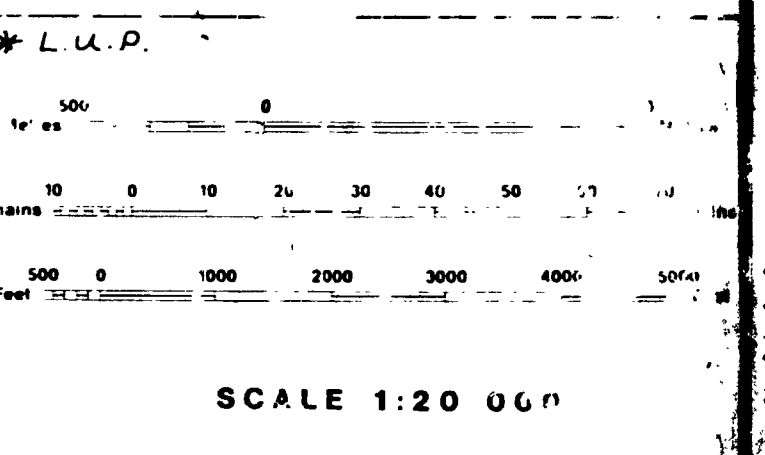


LEGEND

HIGHWAY AND ROUTE No.	---
CITY OR TOWN	---
TRAILS	---
CURVED LINES	---
TOPOGRAPHIC CASE LINES, ETC.	---
CLAIMS, MINING CLAIMS, ETC.	---
MINING CLAIMS	---
UTILITY LINES	---
RAILWAY RIGHT OF WAY	---
UTILITY LINES	---
NON PERENNIAL STREAM	---
FLOODING OR FLOODING RIGHTS	---
SUBDIVISION OR COMP. SITE PLAN	---
RESERVATIONS	---
ORIGINAL SHORELINE	---
MARSH OR MUSKEG	---
MINES	---
REVERSE MONUMENT	---

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	S.M.
TENT, 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	---
RESERVATION	---
CANCELLED	---
SALT & GRAVEL	---
LAND USE PERMIT	---
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO 1915, VESTED IN ORIGINAL PATENTEE BY LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 6. (U.S.)	---



SHOWABLE TRAIL (LAND USE PERMIT) NOTICE RECEIVED 92-DEC-09

not updated

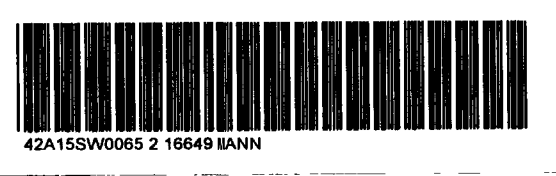
Received Sept 22/86  
TOWNSHIP  
**MANN**  
M.N.R. ADMINISTRATIVE DISTRICT  
COCHRANE  
MINING DIVISION  
PORCUPINE  
LAND TITLES / REGISTRY DIVISION  
COCHRANE

Ministry of Natural Resources and Mines  
Ontario

SEPTEMBER 1986  
G-3537

RECEIVED  
JUN 5 1996  
MINING LANDS BRANCH

2.16649





100 WEST 0 100 EAST 200 EAST 300 EAST 400 EAST 500 EAST 600 EAST 700 EAST 800 EAST 900 EAST 1000 EAST 1100 EAST 1200 EAST 1300 EAST

600 NORTH

600 NORTH

400 NORTH

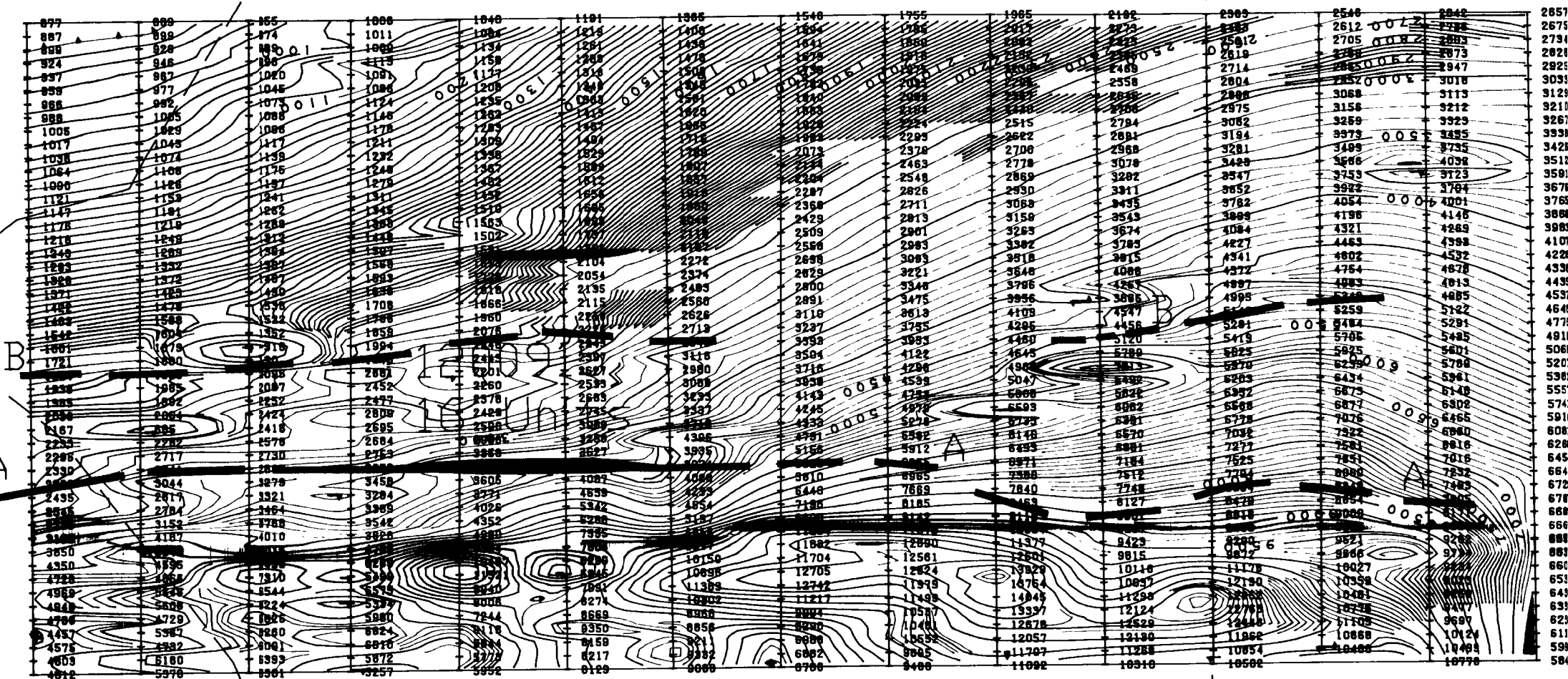
400 NORTH

200 NORTH

1200916  
16 Units  
200 NORTH

CON  
IV

2.16649



100 WEST 0 100 EAST 200 EAST 300 EAST 400 EAST 500 EAST 600 EAST 700 EAST 800 EAST 900 EAST 1000 EAST 1100 EAST 1200 EAST 1300 EAST

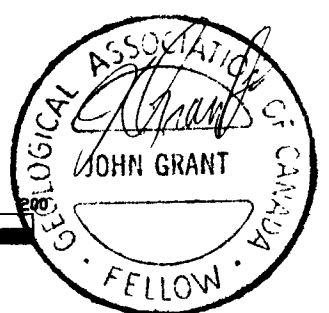
LOT 8

LOT 7

LOT 6



RECEIVED  
JUL 5 1996  
MINING LANDS BRANCH



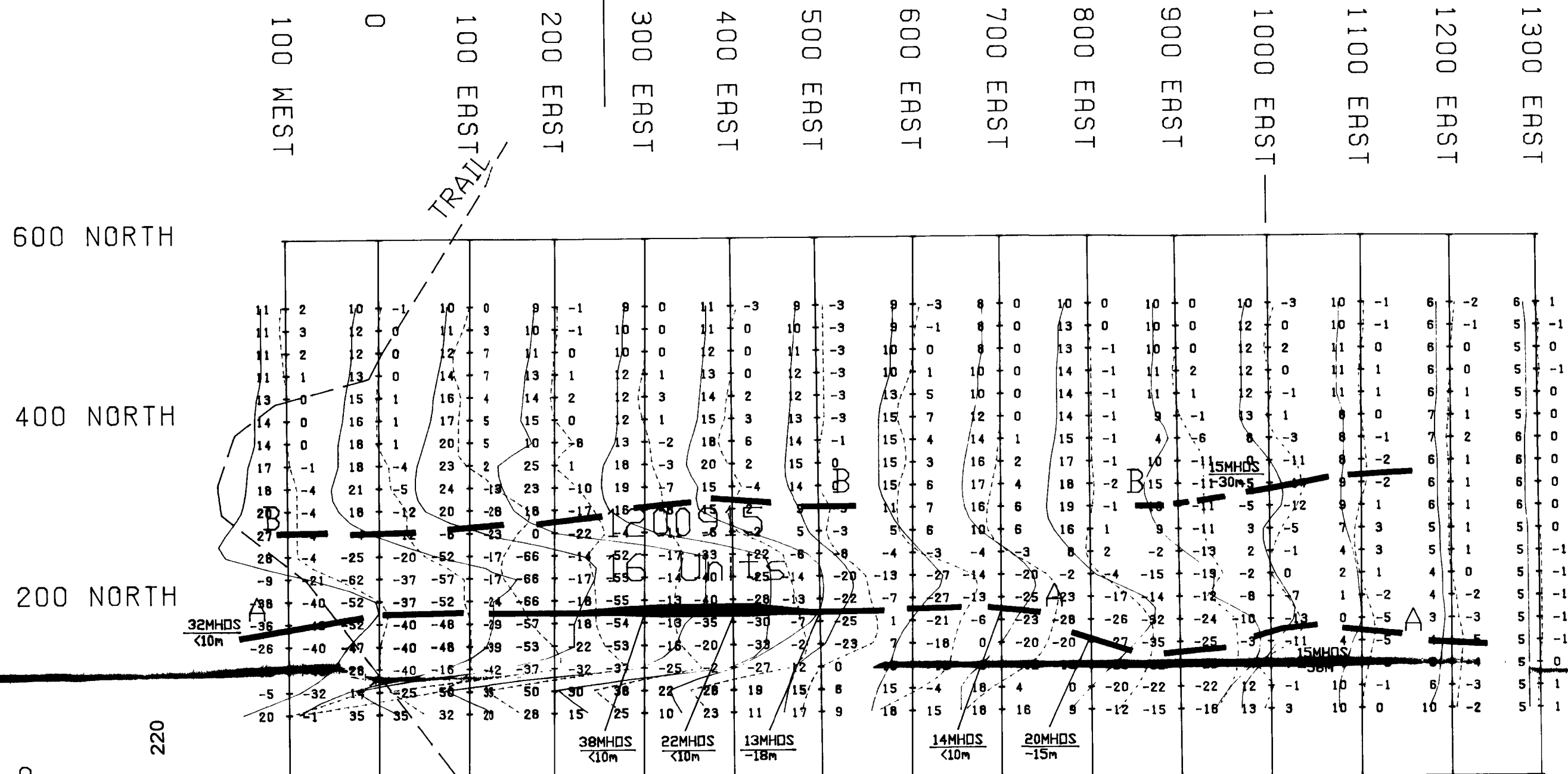
**LEGEND**  
Instrument: BRGM OMNI-1V  
Parameters Measured: Earth's total magnetic field  
Accuracy: +/- 0.1 nano-teslas  
Diurnals: Corrected by base station recorder  
Contour Interval: 0,20,40,60,80,.....  
Reference Field: 57,960 gammas  
Datum Subtracted: 57,500 gammas

**EXSICS EXPLORATION LTD.**  
P.O. Box 1880, P4N-7X1  
Suite 13, Hollinger Bldg, Timmins Ont.  
Telephone: 705-267-4151

CLIENT: FALCONBRIDGE LIMITED  
PROPERTY: MANN BELT PN 8269  
TITLE: MANN TWP MAN96-10  
**MAGNETOMETER SURVEY**

Date: Feb. 1996 Scale: 1:5000 NTS:  
Drawn: P. Gauthier Interp: J.C. Grant Job No.: E-145





1200916  
16 Units  
200 NORTH  
CON  
IV

2.16649

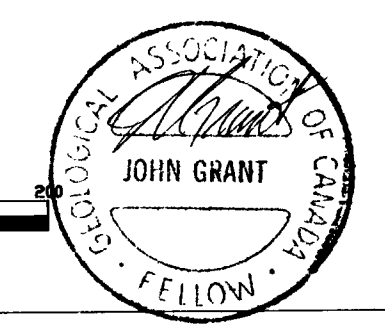
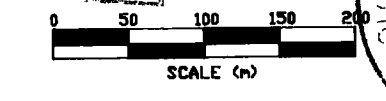
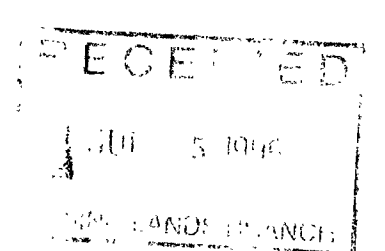
220



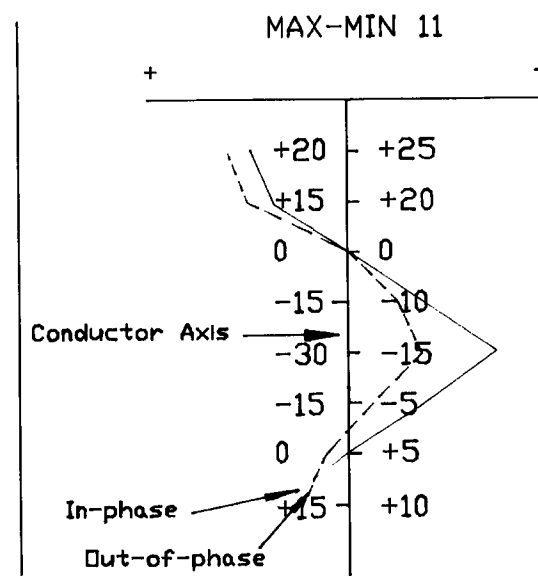
LOT 8

LOT 7

LOT 6



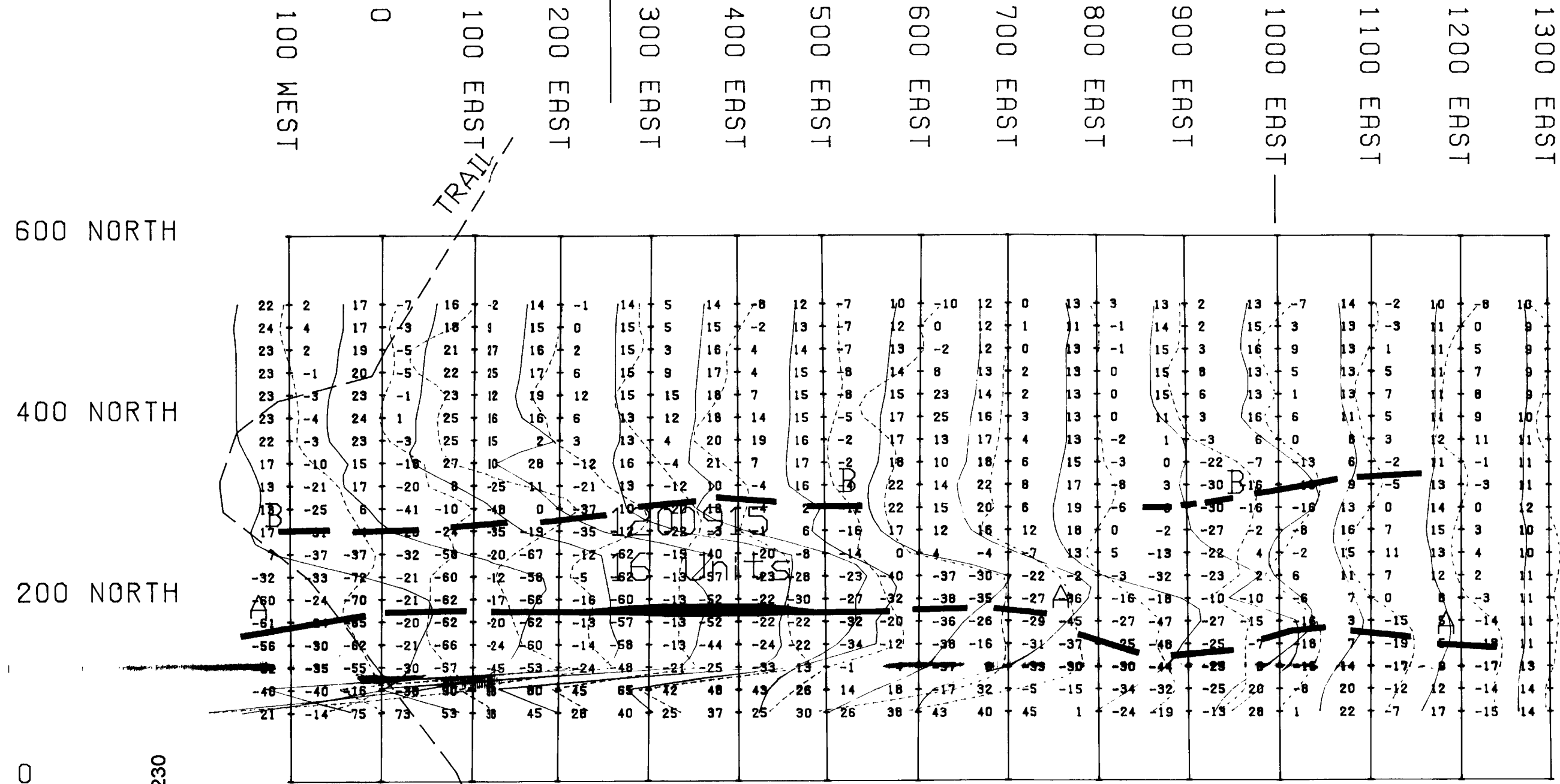
**LEGEND**  
 Instrument: Apex Parametrics Max-Min 11  
 Mode: Maximum Coupled, Horizontal Loop Survey  
 Parameters Measured: Inphase (%)  
 Out of phase (%)  
 Frequency: 444 Hz  
 Coil Separation: 150m  
 Operator: R. & R. Mathieu  
 Profile Scale: 1cm=+/-20%



**EXSICS EXPLORATION LTD.**  
 P.O. Box 1880, P4N-7X1  
 Suite 13, Hollinger Bldg, Timmins Ont.  
 Telephone: 705-267-4151

CLIENT: FALCONBRIDGE LIMITED  
 PROPERTY: MANN BELT PN 8269  
 TITLE: MANN TWP MAN96-10  
 MAX-MIN II 444 Hz

Date: Feb. 1996 Scale: 1:5000 NTS:  
 Drawn: P. Gauthier Interp: J.C. Grant Job No.: E-145

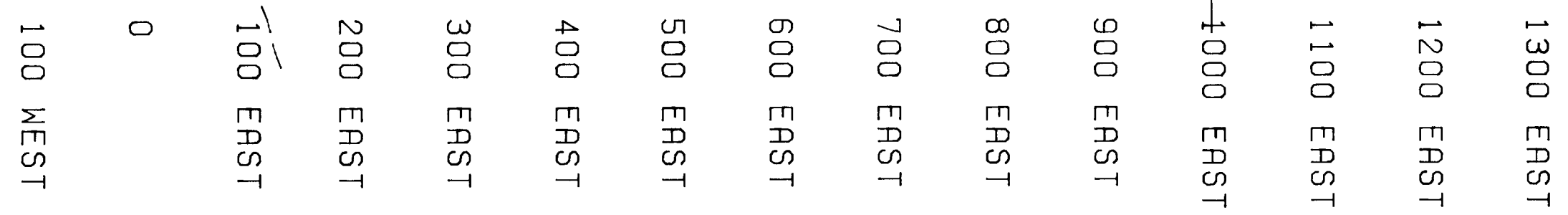
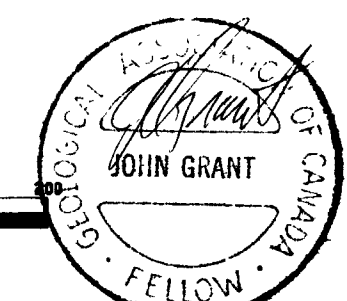


1200916  
16 Units  
200 NORTH

CON  
IV

2.16648

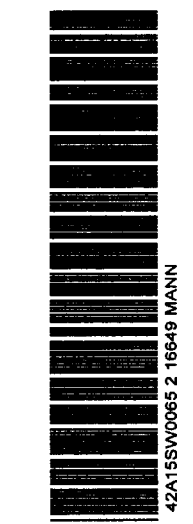
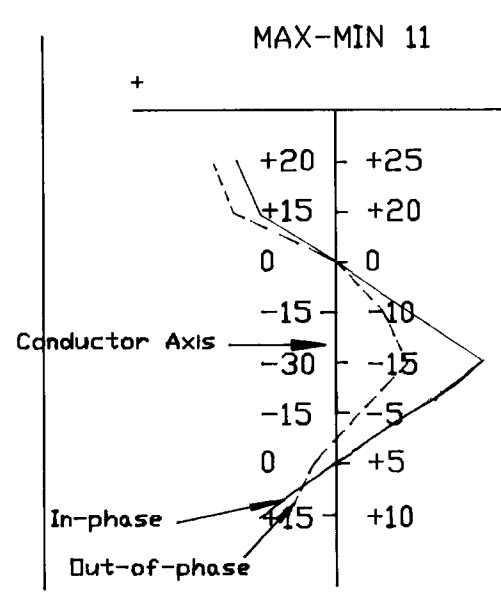
RECEIVED  
101 1996  
MIN. LANDS DIVISION



LOT 8

LOT 7

LOT 6



**LEGEND**  
Instrument: Apex Parametrics Max-Min 11  
Mode: Maximum Coupled, Horizontal Loop Survey  
Parameters Measured: Inphase (%)  
Out of phase (%)  
Frequency: 1777 Hz  
Coil Separation: 150m  
Operator: R. & R. Mathieu  
Profile Scale: 1cm=+/-20%

**EXSICS EXPLORATION LTD.**  
P.O. Box 1880, P4N-7X1  
Suite 13, Hollinger Bldg, Timmins Ont.  
Telephone: 705-267-4151

CLIENT: **FALCONBRIDGE LIMITED**  
PROPERTY: **MANN BELT PN 8269**  
TITLE: **MANN TWP MAN96-10**  
**MAX-MIN II 1777 Hz**

Date: Feb. 1996 Scale: 1:5000 NTS:  
Drawn: P.Gauthier Interp: J.C.Grant Job No.: E-145