GEOPHYSICAL REPORT
FOR
FALCONBRIDGE LIMITED
ON THE
MANN BELT
GRID #MAN96-12
MANN TOWNSHIP, PORCUPINE MINING DIVISION
NORTHEASTERN ONTARIO

Qual. # 2.3943

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

010C

TABLE OF CONTENTS

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 #Man96-12, of the Porcupine Mining Division in Norteastern 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 December 27, 1995 and was completed on January 15, 1996. The geophysics was started on the 22th of January and was completed on the 26th of January, 1996. In all, a total of 18 kilometers of grid lines were established on the claim group.

PROPERTY LOCATION AND ACCESS

Grid, Man96-12, is located in the northeast section of Mann Township and generally covers a section of Lots 4,5 and 6 of Concession V. The entire grid is located approximately 22 kilometers northwest of the Town of Iroquois Falls. Figure 2.

Access to the grid during the survey work 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. This road crosses the northwest tip of the grid. Travelling time from Timmins to the grid is approximately 1.5 hours.

CLAIM GROUP

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

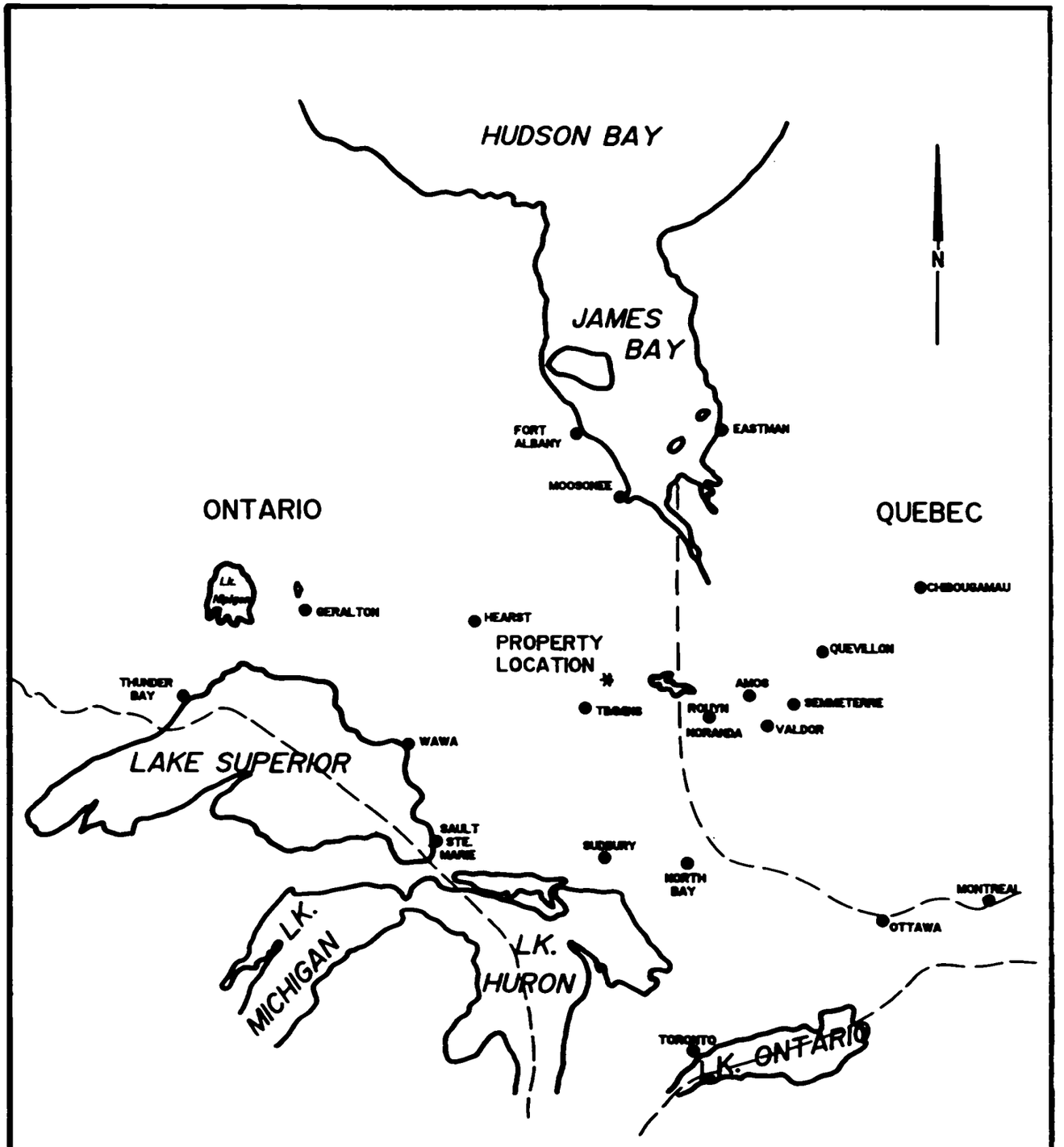
P-1200906	16 units
P-1200910	16 units

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

PERSONNEL

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

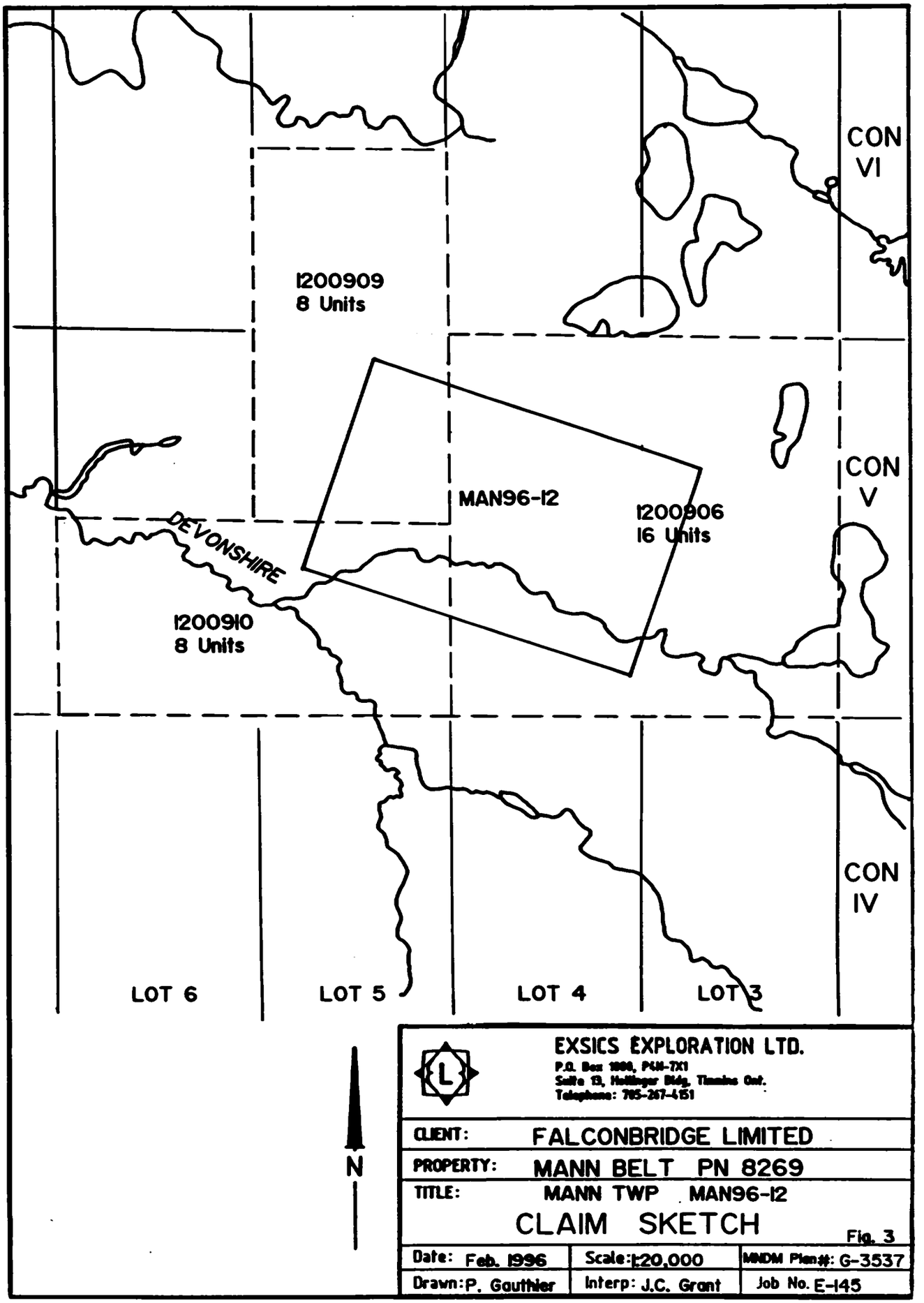
Richard Mathieu..... Timmins, Ontario
Robin Mathieu..... Timmins, Ontario
Todd Mathieu..... Timmins, Ontario

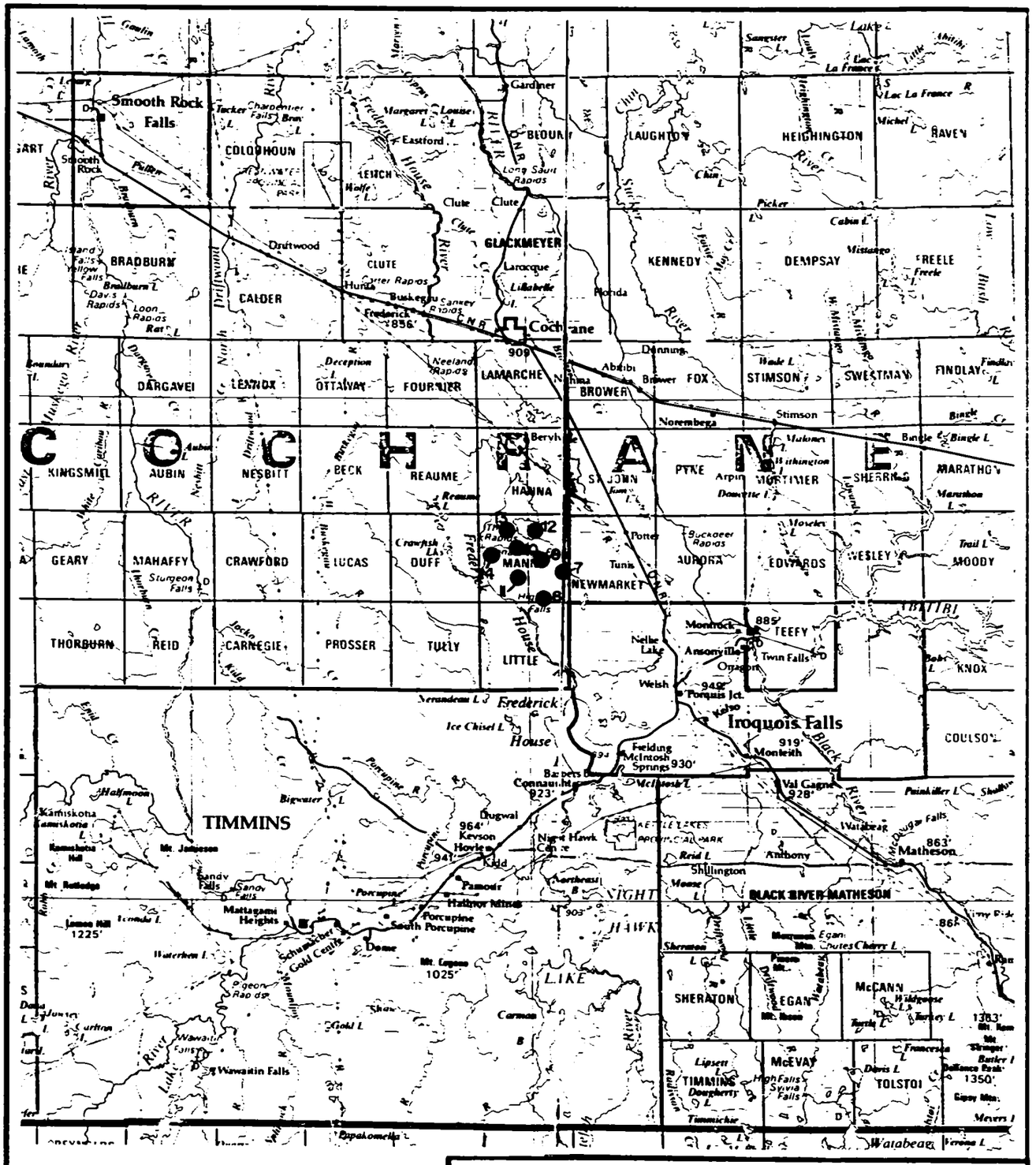


EXSICS EXPLORATION LTD.
P.O. Box 1988, P4N-7X1
Suite 13, Hollinger Bldg, Timmins Ont.
Telephone: 705-267-4151

CLIENT:	FALCONBRIDGE LIMITED
PROPERTY:	MANN BELT PN 8269
TITLE:	MANN TWP LOCATION MAP Fig: 1

Date: Feb. 1996	Scale: 1"=125miles	MNDM Plan#:
Drawn: P. Gauthier	Interp: J.C. Grant	Job No. E-145


CON VI
1200909
8 Units
CON V
MAN96-12
1200906
16 Units
DEVONSHIRE
1200910
8 Units
CON IV
LOT 6
LOT 5
LOT 4
LOT 3
N
EXSICS EXPLORATION LTD.
P.O. Box 1000, P6N-7X1
Suite 13, Hollinger Bldg. Timmins Ont.
Telephone: 705-267-4151
CLIENT: FALCONBRIDGE LIMITED
PROPERTY: MANN BELT PN 8269
TITLE: MANN TWP MAN96-12
CLAIM SKETCH
Fig. 3
Date: Feb. 1996
Scale: 1:20,000
MNDM Plan#: G-3537
Drawn: P. Gauthier
Interp: J.C. Grant
Job No. E-145



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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

PROPERTY LOCATION

Fig. 2

Date: Feb. 1996	Scale: 1:600,000	MNDM Plan#: 22-6
Drawn:	Interp: J.C. Grant	Job No. E-145

The geophysical program was completed under the direct supervision of J.C.Grant and all plotting and computor 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 at an azimuth of 105 degrees, just south of the plowed road and the lines were chained from 200MW to 1200ME. The stations were chained from TL 400MN to TL 500MS.

GEOPHYSICAL PROGRAM

This program consisted of a total field magnetic survey done in conjuction with a Horizontal Loop, electromagnetic, HLEM, survey. The magnetic survey was completed on the entire cut grid whereas 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 10 gamma intervals where possible. A copy of this base map is included in the back pocket of this report.

Author's Note:

During the initial magnetic survey, the base station recorder stopped functioning due to weak batteries. The operators continued the survey using the loop method for diurnal correction. This was done for the remainder of the day. In effect, lines 200ME to 1100ME was completed with a base station recorder and the remaining lines were tied into them.

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 geophysical program was successful in locating and outlining several conductive zones on the grid. Each of the zones have been labelled and will be discussed seperately and in detail below.

ZONE A:

This zone represents one of the most predominant and strongest features on the grid. The zone strikes at approximately 120 degrees across lines 200MW up to and including 500ME. The depth to source ranges from 50 to 65 meters with a strong conductivity ranging from 8 to 28 mhos. The zone appears to dip slightly north to near vertical. The entire zone lies along the north flank of a strong magnetic unit which is well defined by the magnetic survey.

ZONE B:

This zone represents another of the more stronger features of the grid. The zone appears to strike parallel to Zone A but is faulted to the southwest between lines 500ME and 600ME by a cross structure striking at 340 degrees. This cross structure is represented by a series of moderate magnetic lows.

The strongest portion of the zone strikes across lines 600ME and 700ME and represent a strong bedrock conductor situated at a depth to source of 15 to 30 meters with a good conductivity range of 13 to 23 mhos. Again the zone appears to dip near vertical to slightly north.

The best portion of this zone has a direct magnetic high association with it's entire strike length.

ZONE C:

This zone represents a moderate conductor at a depth of 50 to 55 meters and with a weak conductivity of 6 mhos. In fact, the zone could be the southeastern extension of Zone A which was disrupted by the suspected cross faulting.

The zone strikes across the northern tip of the magnetic high unit which covers most of the southern section of the grid.

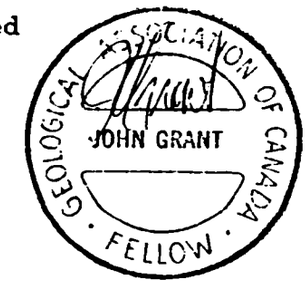
MAGNETIC SURVEY RESULTS:

The magnetic survey was successful in mapping the expected structures of the grid. The most predominant structure is represented by the broad magnetic high unit which covers most of the southern section of the grid. This unit probably relates to a band of ultramafics. The elongated magnetic high which covers most of Zone B may be a small splay off of the ultramafic unit which appears to have been distorted by the suspected fault cross structure.

CONCLUSIONS AND RECOMMENDATIONS

The ground program was successful in locating and outlining several interesting conductors on the grid. Certainly, Zone B represents the most interesting target and therefore, it should be followed up by diamond drilling. Should interesting results be returned by the initial drilling, then Zones A and C should be considered for follow up drilling.

Respectfully submitted



J.C.Grant, CET, FGAC
January, 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 subsequentely 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.

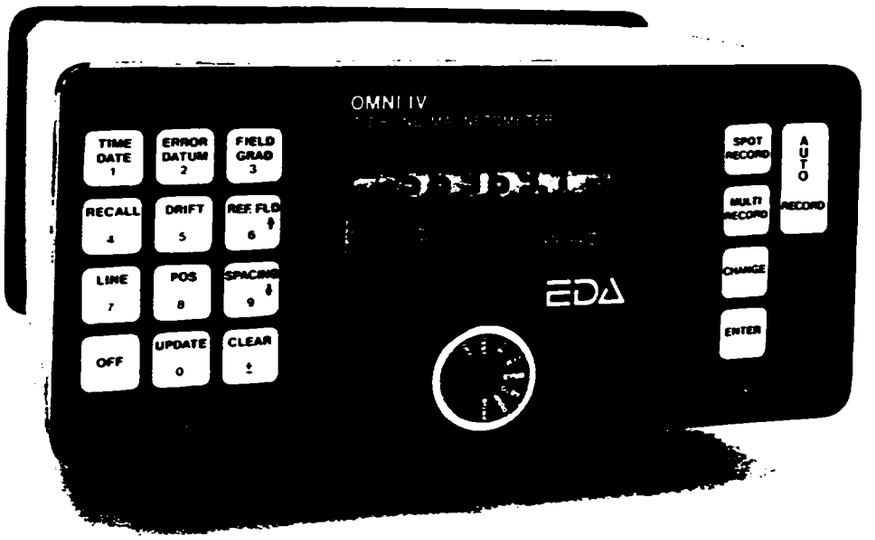
John Charles Grant, CET, FGAC

GEOLOGICAL ASSOCIATION OF CANADA
JOHN GRANT
FELLOW

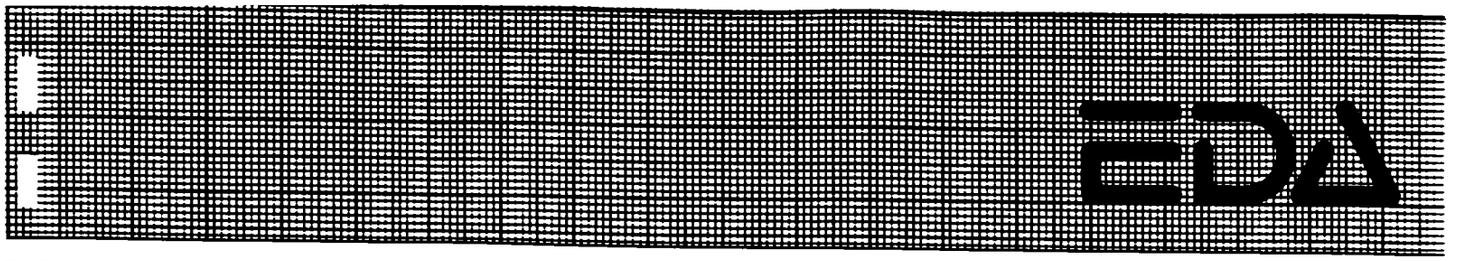
APPENDIX A

OMNI IV
"Tie-Line" 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	± 15% relative to ambient field strength of last stored value
Display Resolution	0.1 gamma
Processing Sensitivity	± 0.02 gamma
Statistical Error Resolution	0.01 gamma
Absolute Accuracy	± 1 gamma at 50,000 gammas at 23°C ± 2 gamma over total temperature range
Standard Memory Capacity	
Total Field or Gradient	1,200 data blocks or sets of readings
Tie-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°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors.
RS-232 Serial I/O Interface	2400 baud, 8 data bits, 2 stop bits, no parity
Gradient Tolerance	6,000 gammas per meter (field proven)
Test Mode	A. Diagnostic testing (data and programmable memory) B. Self Test (hardware)
Sensor	Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy.
Gradient 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
Cycling Time (Base Station Mode)	Programmable from 5 seconds up to 60 minutes in 1 second increments
Operating Environmental Range	–40°C to +55°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 (0.5 m separation - standard)	2.1 kg, 56mm diameter x 790mm
Gradient Sensor (1.0 m 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
Gradiometer Option	Standard system plus 0.5 meter sensor

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

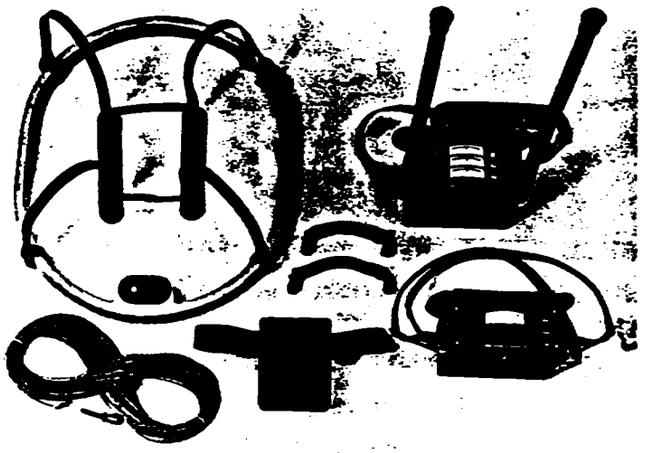
In U.S.A.
E D A Instruments Inc.
5151 Ward Road
Wheat Ridge, Colorado
U.S.A. 80033
(303) 422 9112

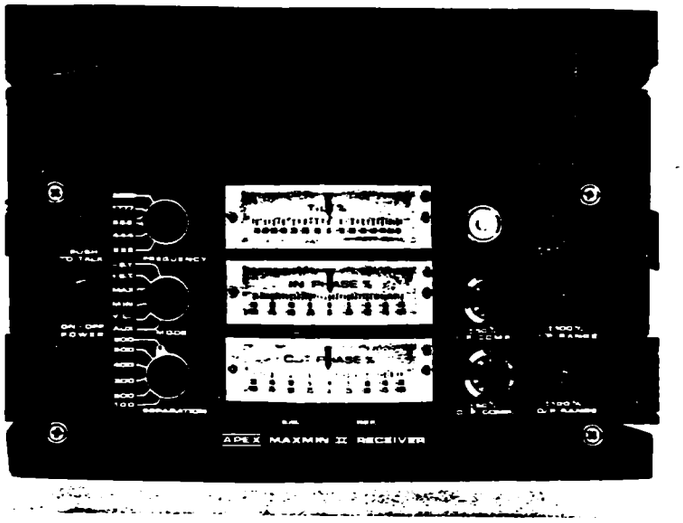
Printed in Canada

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 180 m (600 ft).
- Built-in voice communication circuitry with cable.
- Tilt meters to control coil orientation.





SPECIFICATIONS :

Frequencies: 222, 444, 888, 1777 and 3555 Hz.

Modes of Operation:
- MAX: Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with refer. cable.
- MIN: Transmitter coil plane horizontal and receiver coil plane vertical (Min-coupled mode). Used with reference cable.
- V.L. : Transmitter coil plane vertical and receiver coil plane horizontal (Vertical-loop mode). Used without reference cable, in parallel lines.

Coil Separations: 25, 50, 100, 150, 200 & 250 m (MMII) or 100, 200, 300, 400, 600 and 800 ft. (MMIIF).
Coil separations in V.L. mode not restricted to fixed values.

Parameters Read:
- In-Phase and Quadrature components of the secondary field in MAX and MIN modes.
- Tilt-angle of the total field in V.L. mode.

Readouts:
- Automatic, direct readout on 90 mm (3.5") edgewise meters in MAX and MIN modes. No nulling or compensation necessary.
- Tilt angle and null in 90 mm edgewise meters in V.L. mode.

Scale Ranges:
- In-Phase: ±20%, ±100% by push-button switch.
- Quadrature: ±20%, ±100% by push-button switch.
- Tilt: ±75% slope.
- Null (V.L.): Sensitivity adjustable by separation switch.

Readability: In-Phase and Quadrature: 0.25 % to 0.5 % ; Tilt: 1% .

Repeatability: ±0.25% to ±1% normally, depending on conditions, frequencies and coil separation used.

Transmitter Output:
- 222 Hz : 220 Atm^2
- 444 Hz : 200 Atm^2
- 888 Hz : 120 Atm^2
- 1777 Hz : 60 Atm^2
- 3555 Hz : 30 Atm^2

Receiver Batteries. 9V trans. radio type batteries (4). Life: approx. 35 hrs. continuous duty (alkaline, 0.5 Ah), less in cold weather.

Transmitter Batteries: 12V 6 Ah Gel-type rechargeable battery. (Charger supplied).

Reference Cable: Light weight 2-conductor teflon cable for minimum friction. Unshielded. All reference cables optional at extra cost. Please specify.

Voice Link: Built-in intercom system for voice communication between receiver and transmitter operators in MAX and MIN modes, via reference cable.

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 cases.

Specifications subject to change without notification

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

Phone: (416) 495-1612 Cables: APEXPARA TORONTO Telex: 06-966773 NORDVIK TOR

GRID MAN96-12

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9660.00300

42A15NW0022 2 16643 MANN

900

2.16643

Instructions:
- Please type or print and submit in duplicate.
- Refer to the Mining Act and Regulations for r
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.

Recorded Holder(s): FALCONBRIDGE LIMITED		Client No.: 130679
Address: 571 Moneta Ave. P.O. Box 1140 Timmins, Ont P4N 7H9		Telephone No.: (705) 267-1188
Mining Division: Porcupine	Township/Area: MANN	M or G Plan No.:
Dates Work Performed: From: DECEMBER 27, 1995	To: JANUARY 26, 1996	

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	Linecutting 18 km, Mag 18 km, HLEM 13.8 km
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs $ 10427

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. (705) 267-4151 Timmins, Ont.

(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: April 12/96	Recorded Holder or Agent (Signature): C. Pettit

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 annexed report is true.

Name and Address of Person Certifying: 571 Moneta Ave. P.O. Box 1140 Timmins Ont. P4N 7H9
CHRISTINE PETTIT

Telephone No.: (705)267-1188	Date: April 12/96	Certified By (Signature): Christine Pettit

For Office Use Only

Total Value Cr. Recorded: 10,427	Date Recorded:	Mining Recorder: Not Dated Gary White	Received Stamp: RECEIVED (c) APR 25 1996 TB 11:52
	Deemed Approval Date: July 24/96	Date Approved:	
	Date Notice for Amendments Sent:		

0241 (93/01)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	P 1200906	16	66% 6872	6872		
	P 1200909	8	24% 2499	2499		
	P 1200910	8	10% 1056	1056		
	Total Number of Claims: 3		Total Value Work Done: 10427	Total Value Work Applied: 10427	Total Assigned From	Total Reserve

0241 (03/91)

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☒ Credits are to be cut back as priorized on the attached appendix. P 1200906

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date

Ministry of Northern Development and Mines

Ontario

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction
W9660.00300

2.10643

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, 4e 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	5110	Invoice # 389,
	HLEM	} 4502	391
	Mag	}	9612
Supplies Used Fournitures utilisées	Type: Flagging	10	
	Picket tags	55	
			65
Equipment Rental Location de matériel	Type: Truck	100	
	Snow mobile	50	
			150
		Total Direct Costs Total des coûts directs	10427

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 démobilisation			
		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)	10427

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
× 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	Évaluation totale demandée
× 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. Pitt (Recorded Holder, Agent, Position in Company) I am authorized

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 _____ (titulaire enregistré, représentant, poste occupé dans la compagnie) je suis autorisé

à faire cette attestation.

Signature	Date
C. Pitt	April 12/96

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

EXSICS EXPLORATION LIMITED
CONTRACTING & CONSULTING GEOPHYSICS

Tel. (705) 267-4161
Fax (705) 264-5790

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

INVOICE #:389
PROJECT #:E-144

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

RECEIVED
JUL 5 1996
MINING LANDS BRANCH

Attention: Christine Petch

G.S.T. REGISTRATION # 113433791

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

Mann 96-12 work finished Jan 23

AT A RATE OF:

96-12... 18.0 km @ $265.00/km...	$4,770.00
96-10... 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

Paul checked in field
work not satisfactory
to be chained
Do not pay

DATE:January 19,1996

RECEIVED JAN 1 9 1996

SIGNED: [signature]

Jan 28 '96
Paul Nagel
602-600-8269

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

EXSICS EXPLORATION LIMITED
CONTRACTING & CONSULTING GEOPHYSICS

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

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

2.16643

INVOICE #:391
PROJECT #:E-144

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

ATTENTION: Paul Nagerl

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
	$4,208.00
7% GST	$ 294.56
	$4,502.56
95-10	
Magnetic Survey 11.8 Km @ $100.00/Km	$1,180.00
HLEM Survey 9.0Km @ $160.00/Km	$1,440.00
	$2,620.00
7% GST	$ 183.40
	$2,803.40
TOTAL OF THIS INVOICE:	$7,305.96

DATE: January 26, 1996

SIGNED Karen Tatton

Jan 28 '96
Paul Nagerl
602-600-8269

MAN95-10 & 12 [illegible]
not complete (12.0 km [illegible])

Ontario

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: 2.16643
Transaction #: W9660.00300

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) 1200906 (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 15, 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

BIG/cc

cc: Resident Geologist
Timmins, Ontario

Assessment Files Library
Sudbury, Ontario

AREAS WITHDRAWN FROM DISPOSITION

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

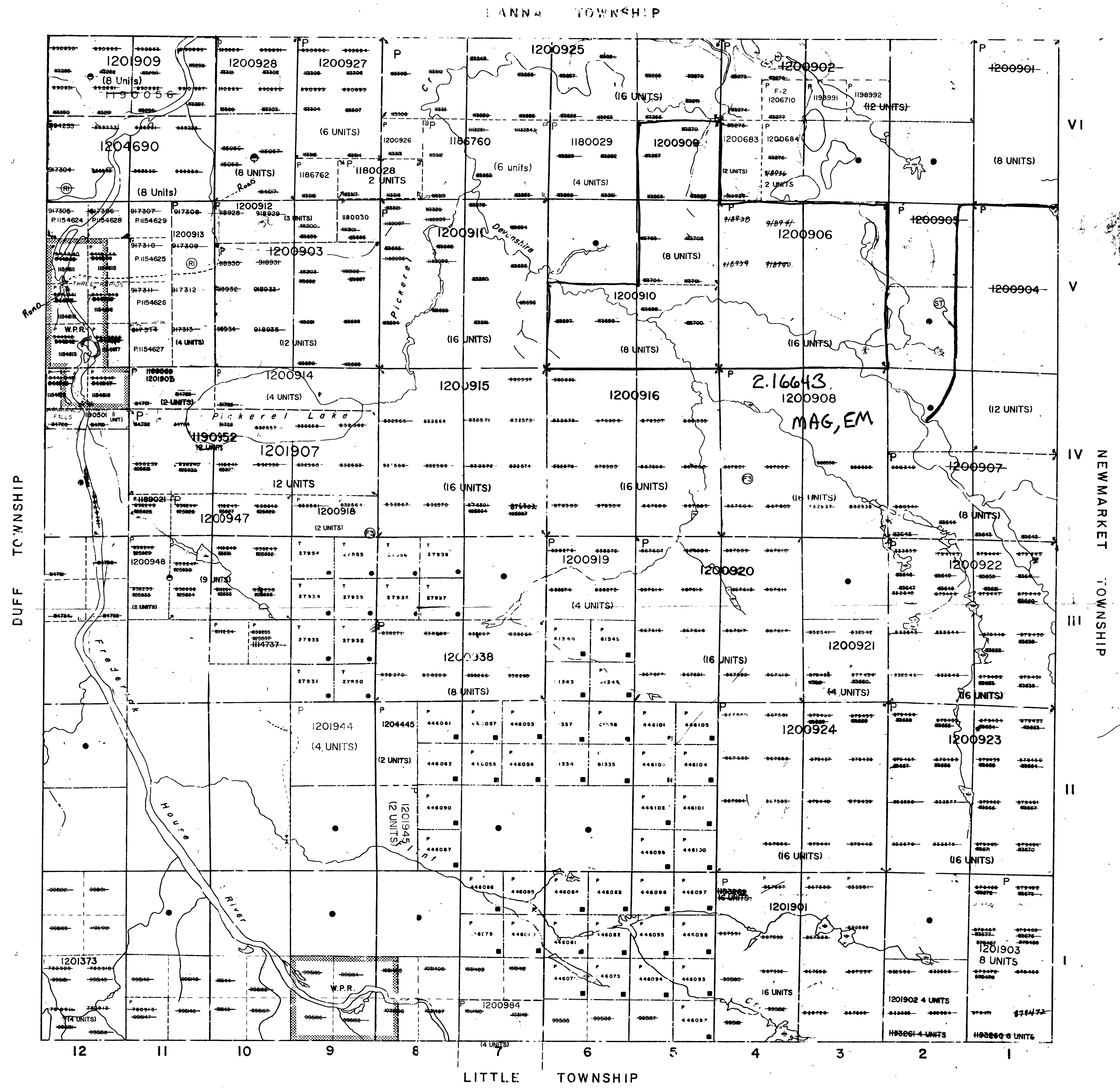
Description Order No. Date Disposition File

WATER POWER RESERVE

W.O. 87/87

SURFACE AND MINING RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 36 OF THE MINING ACT R.S.O. 1980 EFFECTIVE 90-SEP-05 AT 7AM E.S.T ORDER NO. O-P 4/90 NR DATED 90-AUG-22.

NOTE: P1125837 PLOTTED IN ERROR. S/B P1114737.



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.
OTHER ROADS
TRAILS
SURVEYED LINES:
TOWNSHIPS, BASE LINES, ETC.
LOTS, MINING CLAIMS, PARCELS, ETC.
UNSURVEYED LINE
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
RESERVATION
CANCELLED
SAND & GRAVEL
LAND USE PERMIT

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, SUBS. 1.

* L.U.P.

SCALE 1:20 000

(ST) SNOWMOBILE 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

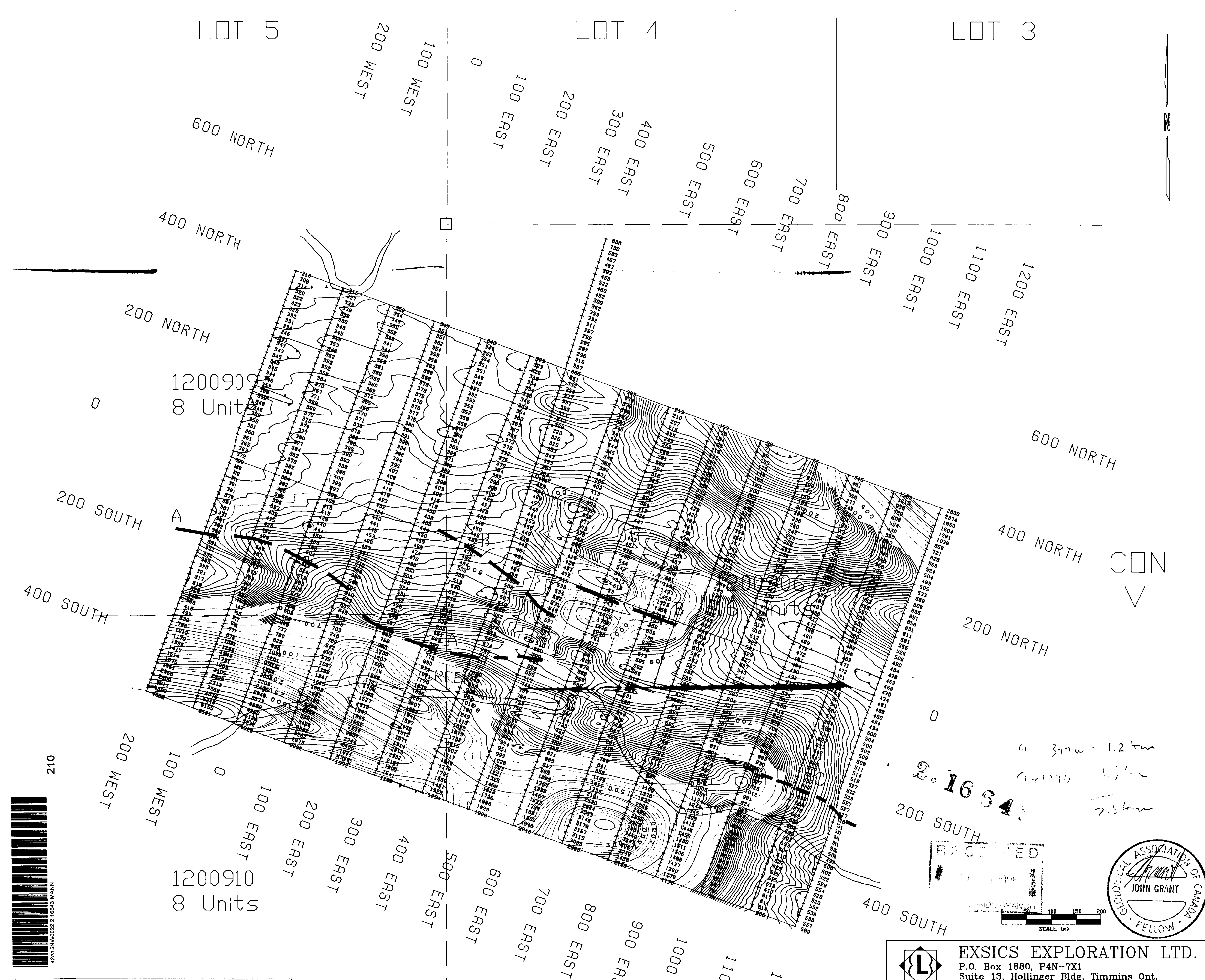
Ministry of Natural Resources — Ministry of Northern Development and Mines — Ontario

Date: SEPTEMBER, 1986 — Number: G-3537

42A15NW0022 2.16643 MANN 200

RECEIVED

2.16643



210

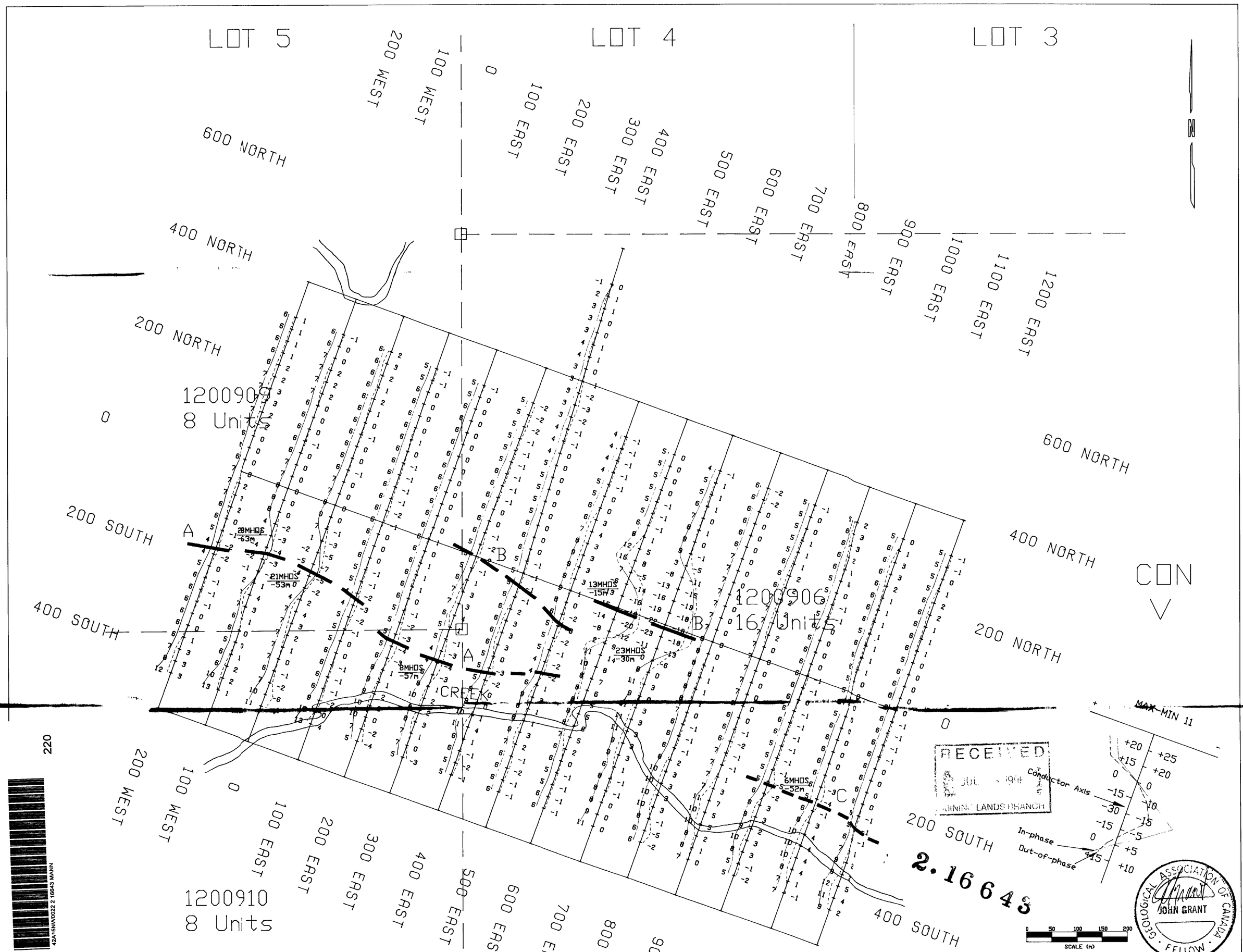
42A15NW0022 2.16643 MANN

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: 0,10,20,30,40,50,.......
Reference Field: 58,000 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 MAN96-12 MAGNETOMETER SURVEY

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



LEGEND

Instrument: Apex Parametrics Max-Min II
Mode: Maximum Coupled, Horizontal Loop Survey
Parameters Measured: Inphase (%)
Out of phase (%)
Frequency: 444 Hz
Coil Seperation: 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 MAN96-12

MAX-MIN II 444 Hz

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

LOT 5

LOT 4

LOT 3

200 WEST

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

600 NORTH

400 NORTH

200 NORTH

0

1200909
8 Units

600 NORTH

200 SOUTH

A

400 NORTH

CON
V

400 SOUTH

B

1200908
16 Units

B

200 NORTH

A

CREEK

MAX-MIN 11

0

RECEIVED
JUL 5 1996
MINING LANDS BRANCH

Conductor Axis

In-phase

Out-of-phase

200 SOUTH

2.16643

GEOLOGICAL ASSOCIATION OF CANADA
JOHN GRANT
FELLOW

0 50 100 150 200
SCALE (m)

230

42A15NW0022 2 16643 MANN

200 WEST

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

1200910
8 Units

LOT 5

LOT 4

LEGEND

Instrument: Apex Parametrics Max-Min II
Mode: Maximum Coupled, Horizontal Loop Survey
Parameters Measured: Inphase (%)
Out of phase (%)
Frequency: 1777 Hz
Coil Seperation: 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 MAN96-12

MAX-MIN II 1777 Hz

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