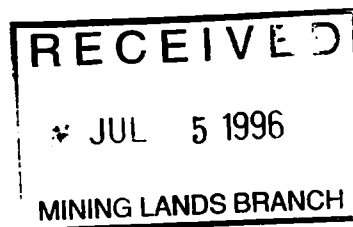




42A15SW0068 2 16647 NEWMARKET

010

GEOPHYSICAL REPORT  
FOR  
FALCONERIDGE LIMITED  
ON THE  
MANN BELT  
GRID #LIT96-01  
LITTLE TOWNSHIP, PORCUPINE MINING DIVISION  
NORTHEASTERN ONTARIO



2.16647

*Qual. # 2.3943*  
PREPARED BY: J.C. Grant, CET, FGAC  
March, 1996





42A15SW0068 2 16647 NEWMARKET

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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 Little Township, Grid #Lit96-01, 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 February 15th, 1996 and was completed on February 24, 1996. The geophysics was started on the 23th of February and was completed on the 29th of February, 1996. In all, a total of 12.5 kilometers of grid lines were established on the claim group.

## PROPERTY LOCATION AND ACCESS

Grid, Lit96-01, is located in the extreme northeast section of Little Township and generally covers most of Lot 1, Concession VI of the township. It also covers a portion of Lot 12, Concession VI of McCart Township. The entire grid is located approximately 20 kilometers northwest of the Town of Iroquois Falls. Figure 2.

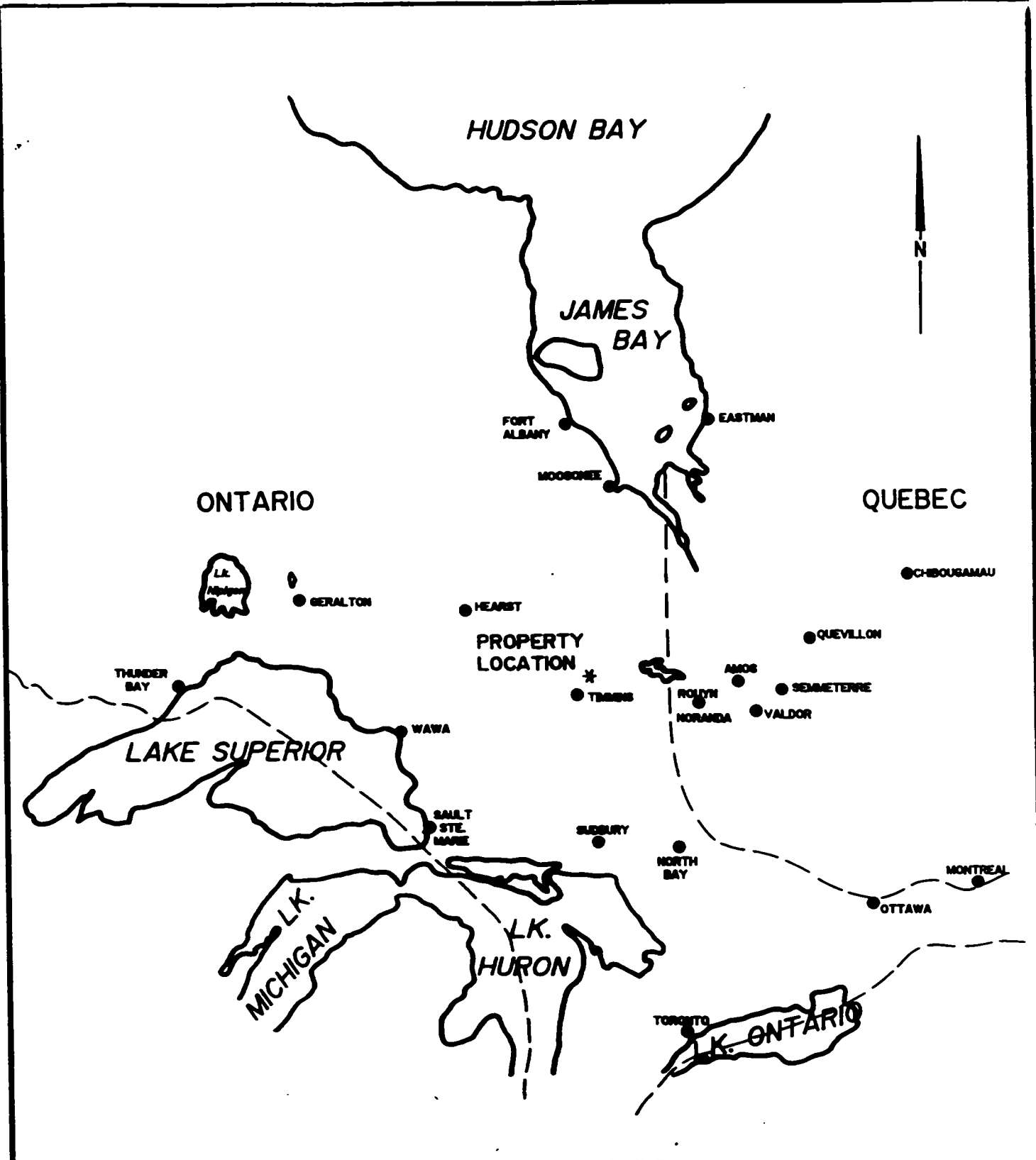
Access to the grid during the survey period was ideal. Falconbridge Limited has plowed open a drivable road which commences on Highway 11 North at the junction of Concession V and VI. This plowed road runs west along the concession line to an old bridge across the Fredrick House River. A second plowed road was then pushed to the southeast to access a grid to the northwest of Lit 96-01. A short skidoo ride along an old road will access the northwest corner of the grid. Travelling time from Timmins to the grid is approximately 2.2 hours.

## CLAIM GROUP

The claim number which was partially covered by the grid is as follows.

P-1201904	8 units, Little Township
P-1201905	8 units, Little Township
P-1200963	2 units, McCart Township

Refer to figure 3, copied from the MNDM Plan map #G-3241, of Little Township and MNDM Plan map of McCart Township, scale 1:20,000.



**EXSICS EXPLORATION LTD.**

P.O. Box 1000, P4M-7X1  
 Suite 21, Hollinger Bldg, Timmins Ont.  
 Telephone: 705-267-4551

**CLIENT: FALCONBRIDGE LIMITED**

**PROPERTY: MANN BELT PN 8269**

**TITLE: LITTLE TWP LIT96-01  
 LOCATION MAP**

Fig. 1

Date: Feb. 1996

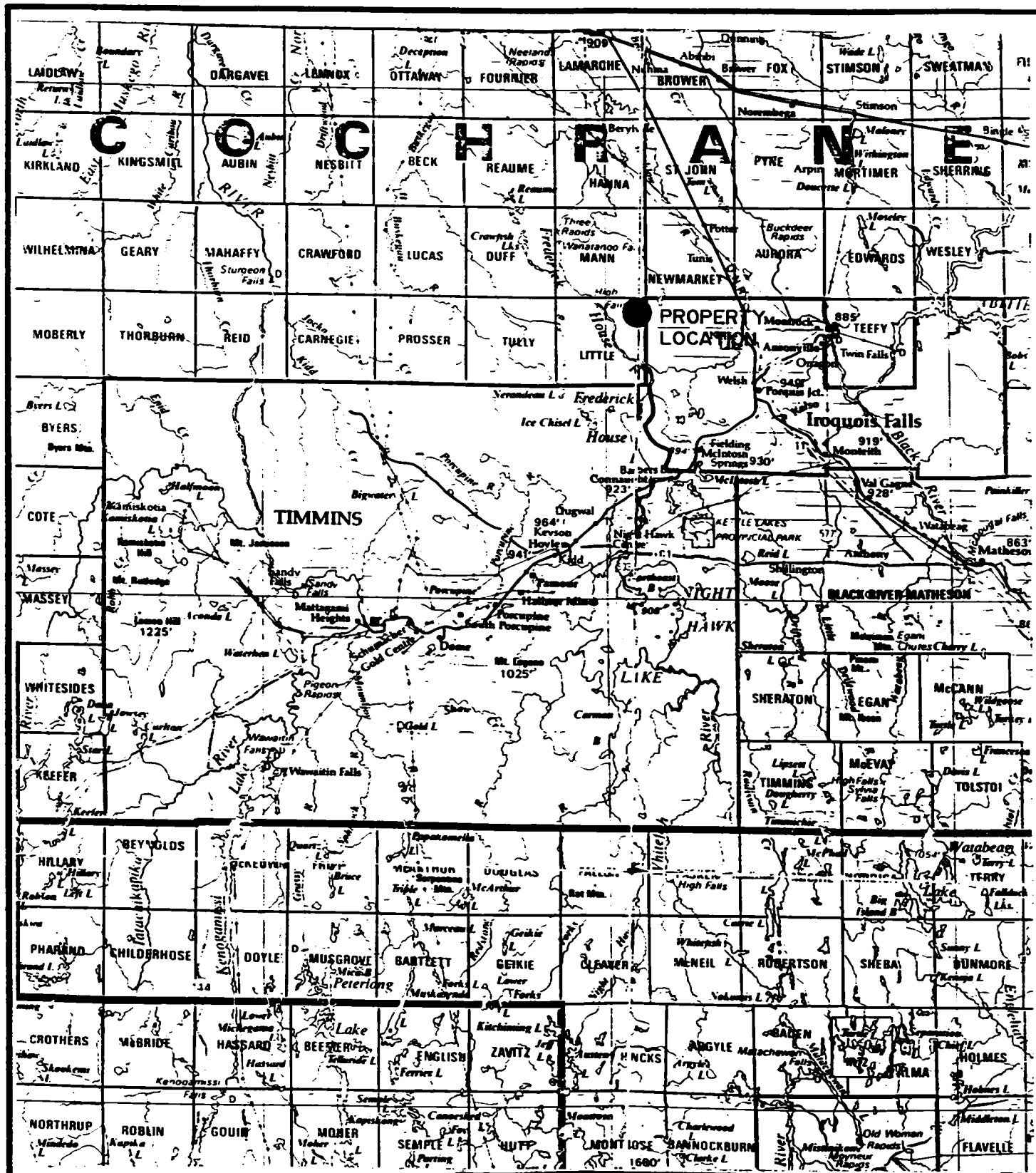
Scale: 1"=25miles

MNDM Plan#:

Drawn: P. Gauthier

Interp: J.C. Grant

Job No. E-145



**EXSICS EXPLORATION LTD.**

P.O. Box 1000, P40-701  
 Suite 20, Hollinger Bldg, Timmins Ont.  
 Telephone: 705-267-4151

**CLIENT: FALCONBRIDGE LIMITED**

**PROPERTY: MANN BELT PN 8269**

**TITLE: LITTLE TWP. LIT96-01**

**PROPERTY LOCATION** Fig. 2

**Date: Feb. 1996**

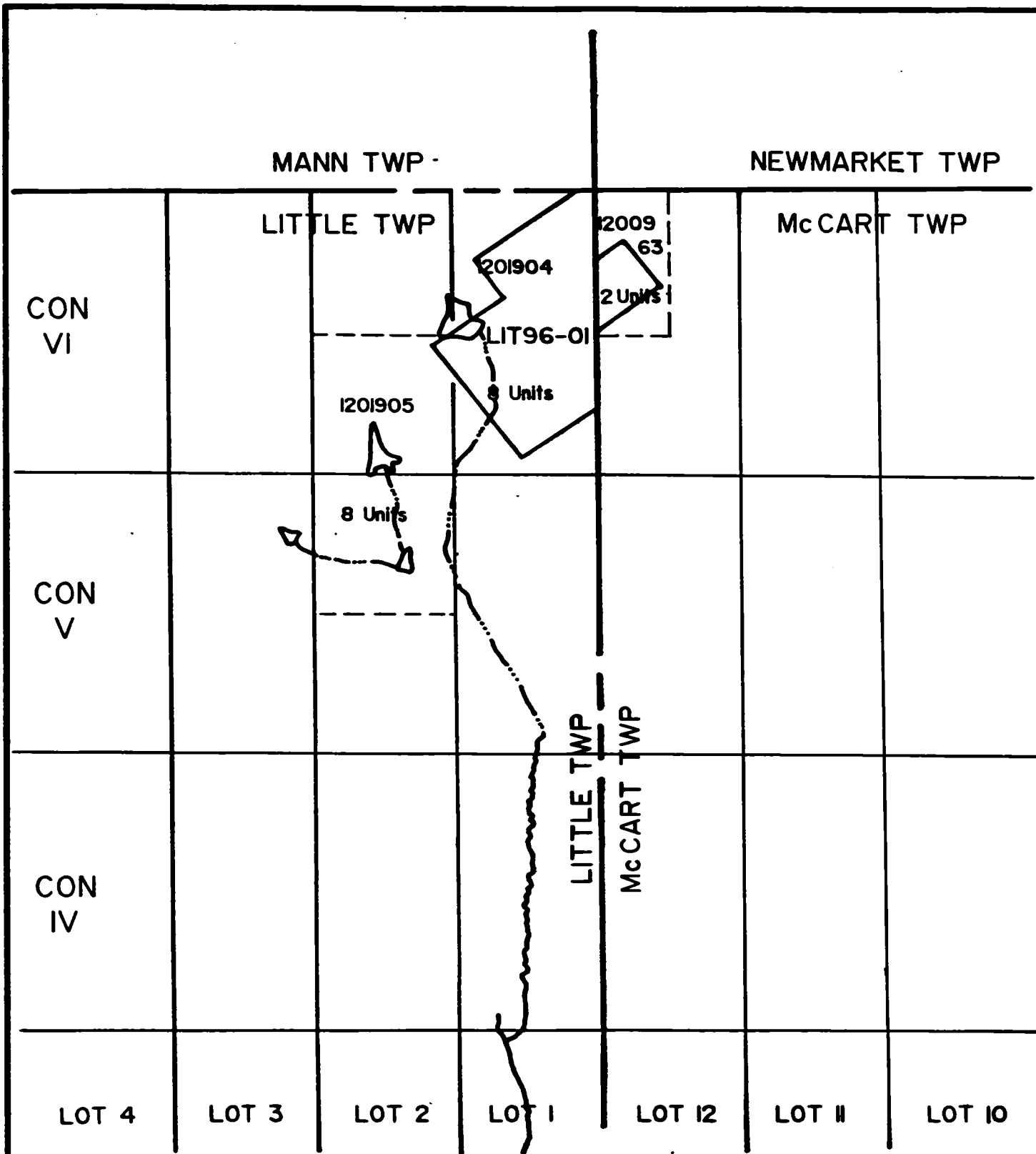
**Scale: 1:600,000**

**MNDM Plan#: 22-6**

**Drawn:**

**Interp: J.C. Grant**

**Job No. E-145**



**EXSICS EXPLORATION LTD.**

P.O. Box 1888, P4B-7X1  
 Suite 13, Shellberg Bldg, Thessalon Ont.  
 Telephone: 705-267-4551

**CLIENT: FALCONBRIDGE LIMITED**

**PROPERTY: MANN BELT PN 8269**

**TITLE: LITTLE TWP. LIT96-01**

**CLAIM SKETCH**

Fig. 3

**Date: Feb. 1996**

**Scale: 1"=1/2mile**

**MNDM Plan#: G-3241**

**Drawn: P. Gauthier**

**Interp: J.C. Grant**

**Job No. E-145**

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 a point flagged by Falconbridge personnel and was cut at 148 degrees from line 0+00 to 800MS. Two tielines called 400ME and 1200ME were also established to control the cross lines. Lines 100MN and 200MN were turned off of the 400ME tieline and were cut to the township line between Little and McCart.

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 monitor.....	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:**

The base station recorder malfunctioned during the course of the survey day and was not known until the end of the day. Exsics monitors the geomagnetic center in Ottawa with daily graphs and the diurnal variations were very quiet that day. The collected data was good and reliable.

**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 good strong bedrock conductors on the grid. The zones have been labelled A and B and each of the zones will be discussed seperately and in detail.

**ZONE A:**

This zone represents the most predominant zone on the grid. It generally strikes parallel to the baseline at 148 degrees from line 0+00 to 800MS and continues off of the grid in both directions. The zone represents a good bedrock conductor situated at a depth to source of 30 to 50 meters with a conductivity range of 15 to 55 mhos. The zone generally dips near vertical to slightly grid east.



The entire strike of the zone lies along the west side of a moderate magnetic high unit which crosses the entire grid.

**ZONE B:**

This zone also represents a good but short conductive zone situated at a depth of 33 to 48 meters with a conductivity range of 11 to 19 mhos. The similarities in depth and conductivity to the northern extension of zone A may suggest the zone is a splay off of Zone A.

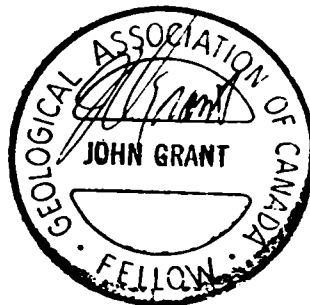
The zone lies within a magnetic low structure which may be a dipole effect caused by the extreme mag high associated with the ultramafic intrusive crossing the northeast tip of the grid.

**CONCLUSIONS AND RECOMMENDATIONS**

The geophysical surveys were successful in outlining two good conductive zones on the grid. Both targets represents good bedrock conductors and should be followed-up by drilling.

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.

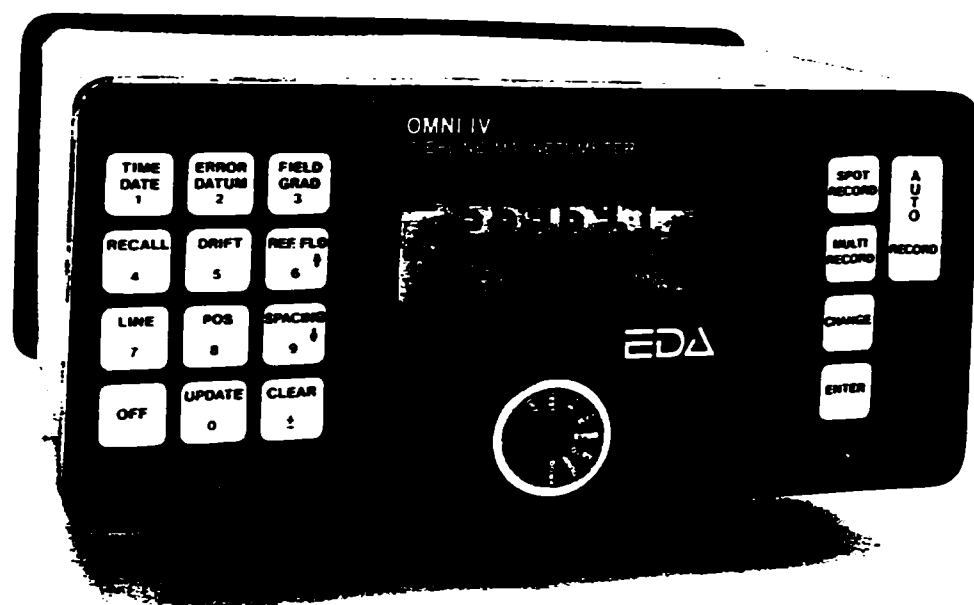
John Charles Grant, CET, FGAC



*APPENDIX A*

# OMNI IV "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	$\pm 15\%$ 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
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 $-40^{\circ}\text{C}$ 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.
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
Counting 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
<b>Weights and Dimensions</b>	
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

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*

AGEX

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.

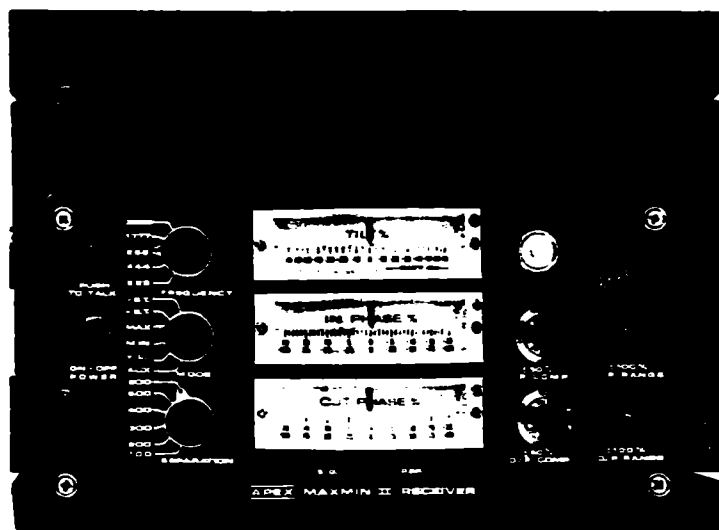
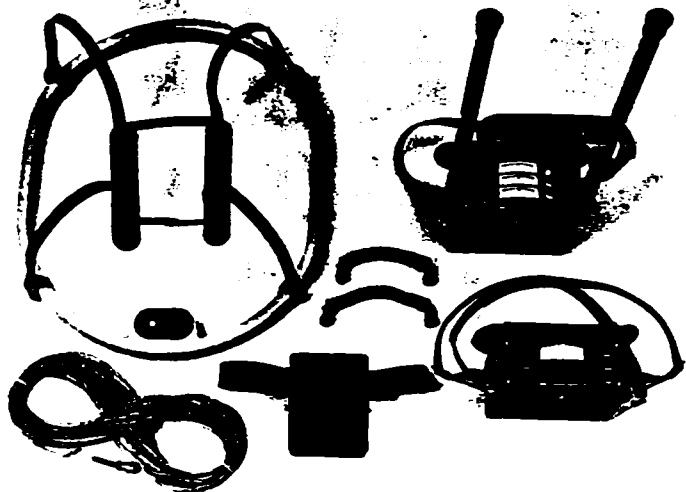
Coil separations: 25, 50, 100, 150, 200 and 250 m  
(with cable) or 100, 200, 300, 400, 600 and 800 ft.

Reliable data from depths of up to 180m (600 ft).

Built-in voice communication circuitry with cable.

Tilt meters to control coil orientation.





## FEATURES

Operating Frequencies	222, 444, 888, 1777 and 3555 Hz.
Operating Modes	<p><b>MAX:</b> Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with refer. cable.</p> <p><b>MIN:</b> Transmitter coil plane horizontal and receiver coil plane vertical (Min-coupled mode). Used with reference cable.</p> <p><b>V.L.:</b> Transmitter coil plane vertical and receiver coil plane horizontal (Vertical-loop mode). Used without reference cable, in parallel lines.</p>
Coil Separations	25, 50, 100, 150, 200 & 250m (MMID) or 100, 200, 300, 400, 600 and 800 ft. (MMIF). Coil separations in V.L. mode not restricted to fixed values.
Parameters Measured	<ul style="list-style-type: none"> <li>- In-Phase and Quadrature components of the secondary field in MAX and MIN modes.</li> <li>- Tilt-angle of the total field in V.L. mode.</li> </ul>
Readouts	<ul style="list-style-type: none"> <li>- Automatic, direct readout on 90mm (3.5") edgewise meters in MAX and MIN modes. No nulling or compensation necessary.</li> <li>- Tilt angle and null in 90mm edgewise meters in V.L. mode.</li> </ul>
Scale Ranges	<p><b>In-Phase:</b> <math>\pm 20\%</math>, <math>\pm 100\%</math> by push-button switch.</p> <p><b>Quadrature:</b> <math>\pm 20\%</math>, <math>\pm 100\%</math> by push-button switch.</p> <p><b>Tilt:</b> <math>\pm 75\%</math> slope.</p> <p><b>Null (V.L.):</b> Sensitivity adjustable by separation switch.</p>
Resolution	In-Phase and Quadrature: 0.25% to 0.5% ; Tilt: 1%.

Accuracy	$\pm 0.25\%$ to $\pm 1\%$ normally, depending on conditions, frequencies and coil separation used.
Field Strengths	<ul style="list-style-type: none"> <li>- 222Hz : 220 Atm<sup>2</sup></li> <li>- 444Hz : 200 Atm<sup>2</sup></li> <li>- 888Hz : 120 Atm<sup>2</sup></li> <li>- 1777Hz : 60 Atm<sup>2</sup></li> <li>- 3555Hz : 30 Atm<sup>2</sup></li> </ul>
Batteries	9V trans. radio type batteries (4). Life: approx. 35hrs. continuous duty (alkaline, 0.5 Ah), less in cold weather.
Power Source	12V 6Ah Gel-type rechargeable battery. (Charger supplied).
Reference Cables	Light weight 2-conductor teflon cable for minimum friction. Unshielded. All reference cables optional at extra cost. Please specify.
Intercom System	Built-in intercom system for voice communication between receiver and transmitter operators in MAX and MIN modes, via reference cable.
Warning Lights	Built-in signal and reference warning lights to indicate erroneous readings.
Temperature Range	-40°C to +60°C (-40°F to +140°F).
Weight	6kg (13 lbs.)
Shipping Weight	13kg (29 lbs.)
Shipping Volume	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 NOROVIK TOR





Ministry of  
Northern Development  
and Mines

Ontario

### Report of Work Conducted After Recording Claim

GRID L1746-01

Transaction Number

W9660-00304

Personal information collected on this form is obtained under the  
his collection should be directed to the Provincial Manager, M  
udbury, Ontario, P3E 6A6, telephone (705) 670-7884.



42A15SW0068 2 16647 NEWMARKET

900

- Instructions:
- Please type or print and submit in
  - Refer to the Mining Act and Regu 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.

2.16647

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>	Township <b>LITTLE, McCART</b>
Date Work Performed <b>From: Feb. 15, 1996</b>	To: <b>Feb 29, 1996</b>

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

Work Group	Type
Geotechnical Survey	Linecutting 13.5km, Mag 13.5 km, HLEM 10.3 km
Physical Work, Including Drilling	
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 7850

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
Exsks Exploration Ltd.	P.O. Box 1880 Suite 13 Hallinger 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>April 12/96</b>	Recorded Holder or Agent (Signature)
--	----------------------------	--------------------------------------

#### 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 <b>CHRISTINE PETCH</b> <b>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. Petch</b>

#### For Office Use Only

Total Value Cr. Recorded <b>7850</b>	Date Recorded	Mining Recorder <b>Not Date White</b>	Stamp <b>(c) APR 25 1996</b>
	Deemed Approval Date <b>July 29/96</b>	Date Approved	
	Date Notice for Assessments Sent		





Ministry of  
Northern Development  
and Mines

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

OKW 41170-01

Transaction No./N° de transaction  
W9660.00304

2.16647

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	3828	Invoice # 423,
	HLEM	1762	428
	Mag	1445	7035
Supplies Used Fournitures utilisées	Type Flagging	10	
	Picket tags	55	
			65
Equipment Rental Location de matériel	Type Truck	100	
	Snow mobile	50	
Total Direct Costs Total des coûts directs			150 7850

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			

RECEIVED  
JUL 5 1996  
MINING LANDS BRANCH

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)		7850

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. P. P. P. 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 C. C. P. P. Date April 12/96



**EXSICS EXPLORATION LIMITED**  
CONTRACTING & CONSULTING GEOPHYSICS

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

P.O. Box 1880  
Timmins, Ontario P4N7X1

0-16647

INVOICE #: 423  
PROJECT #: E-145

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

ATTENTION: Paul Nagerl

G.S.T. REGISTRATION # 113433791

RE: Linecutting Little 96-01

AT A RATE OF:  
13.5 Km of Linecutting @ \$265.00/Km  
7% GST

1.35 box of tags

TOTAL OF THIS INVOICE:

\$3,577.50  
\$ 250.43  
\$3,827.93  
\$ 55.89

\$3,883.82

DATE: March 1, 1996

SIGNED *Karen Talon*

RECEIVED

*Paul Nagerl* Mar 1 '96  
8269

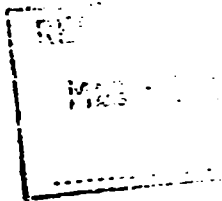
PAYMENT DUE UPON RECEIPT OF INVOICE.  
TERMS: NET 30, 2% INTEREST PER MONTH ON OVERDUE ACCOUNTS.



CONTRACTING & CONSULTING GEOPHYSICS

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

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



INVOICE #: 428  
PROJECT #: e-145

**2.16647**

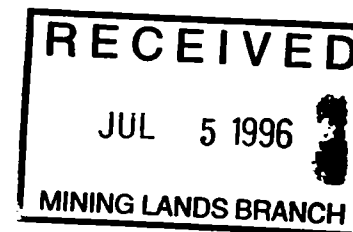
ON ACCOUNT WITH:

Falconbridge Limited  
P.O. Box 1140  
Timmins, Ontario  
P4N 7H9

Attention: P.Nagerl

G.S.T. REGISTRATION # 113433791

RE: Geophysical Surveys, Little, 96-01



AT A RATE OF:

13.5 km of magnetics @ \$100.00/km.....	\$1350.00
10.3 km of MaxMin @ \$160.00/km.....	<u>\$1648.00</u>
Sub-total.....	\$2998.00
7% GST.....	<u>\$ 209.86</u>

TOTAL OF THIS INVOICE: \$3207.86

DATE: March 6, 1996

SIGNED: 

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



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: 2.16647  
Transaction #: W9660.00304

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)  
1201904 (ET AL.) IN LITTLE 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:

A handwritten signature in cursive script, appearing to read "Ron C. Gashinski".

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

*BBJ* BIG/jf

cc: Resident Geologist  
Timmins, Ontario

✓ Assessment Files Library  
Sudbury, Ontario

REFERENCES

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

SAND AND GRAVEL

- ⊙ GRAVEL FILE NO. 17920
- ⊙ GRAVEL FILE NO. 17919
- ⊙ GRAVEL FILE NO. 17341

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WHOSE 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.

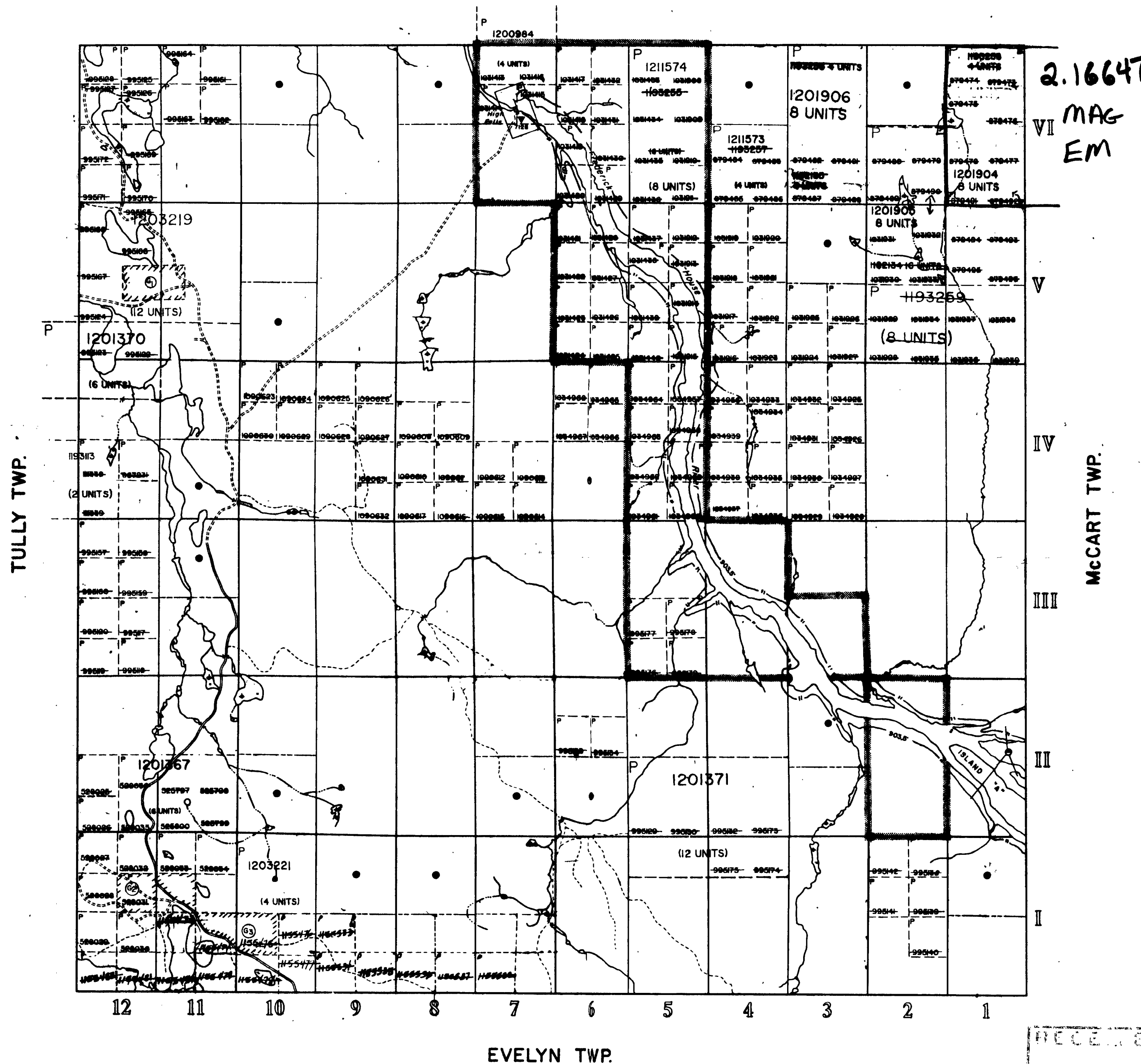
NOTES

- ⊗ THIS TWP IS SUBJECT TO FOREST ACTIVITIES IN 1982/83
- ⊗ THIS TWP IS SUBJECT TO FOREST ACTIVITIES IN 1984/85

AREA RESERVED TO ONTARIO HYDRO FOR WATER POWER PURPOSES SHOWN THIS

FLOODING RIGHTS TO CONTOUR BOLES ON LANDS BORDERING FREDERICK HOUSE RIVER RESERVED TO ONTARIO HYDRO

MANN TWP.



LEGEND

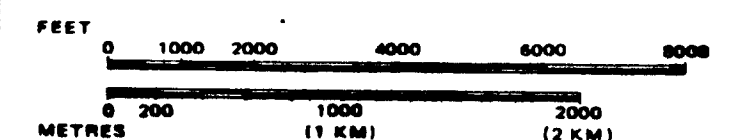
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	⊙
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	□
" MINING RIGHTS ONLY	⊠
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊕
CANCELLED	⊖
SAND & GRAVEL	⊙

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP  
**LITTLE**  
 M.N.R. ADMINISTRATIVE DISTRICT  
**TIMMINS**  
 MINING DIVISION  
**PORCUPINE**  
 LAND TITLES / REGISTRY DIVISION  
**COCHRANE**

Ministry of Natural Resources Land Management Branch

RECEIVED  
 MARCH 1985  
 Number  
**G-3241**



REFERENCES

NOTE

LOT AND CONVESSION LINES SHOWN HEREON ARE PROJECTED FROM THE BEST INFORMATION AVAILABLE, BUT THEIR TRUE POSITION IS NOT GUARANTEED.

FOR LEGAL AND SURVEY PURPOSES CONSULT THE ORIGINAL SURVEY PLANS AND FIELD NOTES OF RECORD IN THE DEPARTMENT OF LANDS AND FORESTS, TORONTO.

ACREAGES SHOWN IN RESPECT OF PATENTED LOTS ARE IN ACCORDANCE WITH AREA GRANTED.

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY  
S.R.O. - SURFACE RIGHTS ONLY  
M.S. & S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
RECORDED	S.A.O. 71/84	10/12/70	S.R.O.M.R.	2888

Surface Rights Withdrawn under Sec. 36, 37, 38 and 40 of the Mining Act, R.S.O. 1990, c. 289, s. 36(1) (1) and 36(2) (1) and 36(2) (2) and 36(2) (3) and 36(2) (4) and 36(2) (5) and 36(2) (6) and 36(2) (7) and 36(2) (8) and 36(2) (9) and 36(2) (10) and 36(2) (11) and 36(2) (12) and 36(2) (13) and 36(2) (14) and 36(2) (15) and 36(2) (16) and 36(2) (17) and 36(2) (18) and 36(2) (19) and 36(2) (20) and 36(2) (21) and 36(2) (22) and 36(2) (23) and 36(2) (24) and 36(2) (25) and 36(2) (26) and 36(2) (27) and 36(2) (28) and 36(2) (29) and 36(2) (30) and 36(2) (31) and 36(2) (32) and 36(2) (33) and 36(2) (34) and 36(2) (35) and 36(2) (36) and 36(2) (37) and 36(2) (38) and 36(2) (39) and 36(2) (40) and 36(2) (41) and 36(2) (42) and 36(2) (43) and 36(2) (44) and 36(2) (45) and 36(2) (46) and 36(2) (47) and 36(2) (48) and 36(2) (49) and 36(2) (50) and 36(2) (51) and 36(2) (52) and 36(2) (53) and 36(2) (54) and 36(2) (55) and 36(2) (56) and 36(2) (57) and 36(2) (58) and 36(2) (59) and 36(2) (60) and 36(2) (61) and 36(2) (62) and 36(2) (63) and 36(2) (64) and 36(2) (65) and 36(2) (66) and 36(2) (67) and 36(2) (68) and 36(2) (69) and 36(2) (70) and 36(2) (71) and 36(2) (72) and 36(2) (73) and 36(2) (74) and 36(2) (75) and 36(2) (76) and 36(2) (77) and 36(2) (78) and 36(2) (79) and 36(2) (80) and 36(2) (81) and 36(2) (82) and 36(2) (83) and 36(2) (84) and 36(2) (85) and 36(2) (86) and 36(2) (87) and 36(2) (88) and 36(2) (89) and 36(2) (90) and 36(2) (91) and 36(2) (92) and 36(2) (93) and 36(2) (94) and 36(2) (95) and 36(2) (96) and 36(2) (97) and 36(2) (98) and 36(2) (99) and 36(2) (100)

AGGREGATE PERMIT

LITTLE TOWNSHIP OF CALVERT

TOWNSHIP OF NEWMARKET

REFERENCES

TOPOGRAPHY

LAKES, RIVERS, ETC., FROM FOREST RESOURCES INVENTORY SHEETS NO. 468604 AND 467604

SURVEYS

TOWNSHIP OF McCART SUBDIVIDED BY A.D. GRIFFIN, O.L.S., 1904. FIELD NOTE BOOK 1533.  
WEST LIMIT OF McCART TOWNSHIP (SEE LITTLE TWP) SURVEY BY J.W. FITZGERALD, O.L.S., 1904. FIELD NOTE BOOK 1402.

EAST LIMIT OF McCART TOWNSHIP (SEE CALVERT TWP) SURVEY BY ALEXANDER BAIRD, O.L.S., 1904. FIELD NOTE BOOK 1009.

THIRD MERIDIAN (EAST LIMIT OF McCART TWP) BY WILLIAM GALBRAITH, O.L.S., 1904. FIELD NOTE BOOK 2363.

BASE LINE (SOUTH LIMIT OF McCART TWP) BY T.J. PATTEN, O.L.S., 1903. FIELD NOTE BOOK 2460.

LEGEND

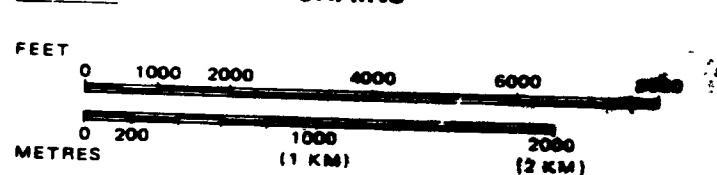
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
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  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
"    SURFACE RIGHTS ONLY	○
"    MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	◑
"    SURFACE RIGHTS ONLY	◒
"    MINING RIGHTS ONLY	◓
LICENSE OF OCCUPATION	◔
ORDER-IN-COUNCIL	◕
RESERVATION	◖
CANCELLED	◗
SAND & GRAVEL	◘

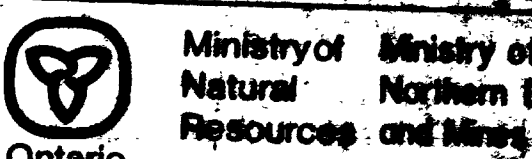
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO 1912, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1990, c. 289, s. 36(2) (1) AND 36(2) (2).

SCALE: 1 INCH = 20 CHAINS

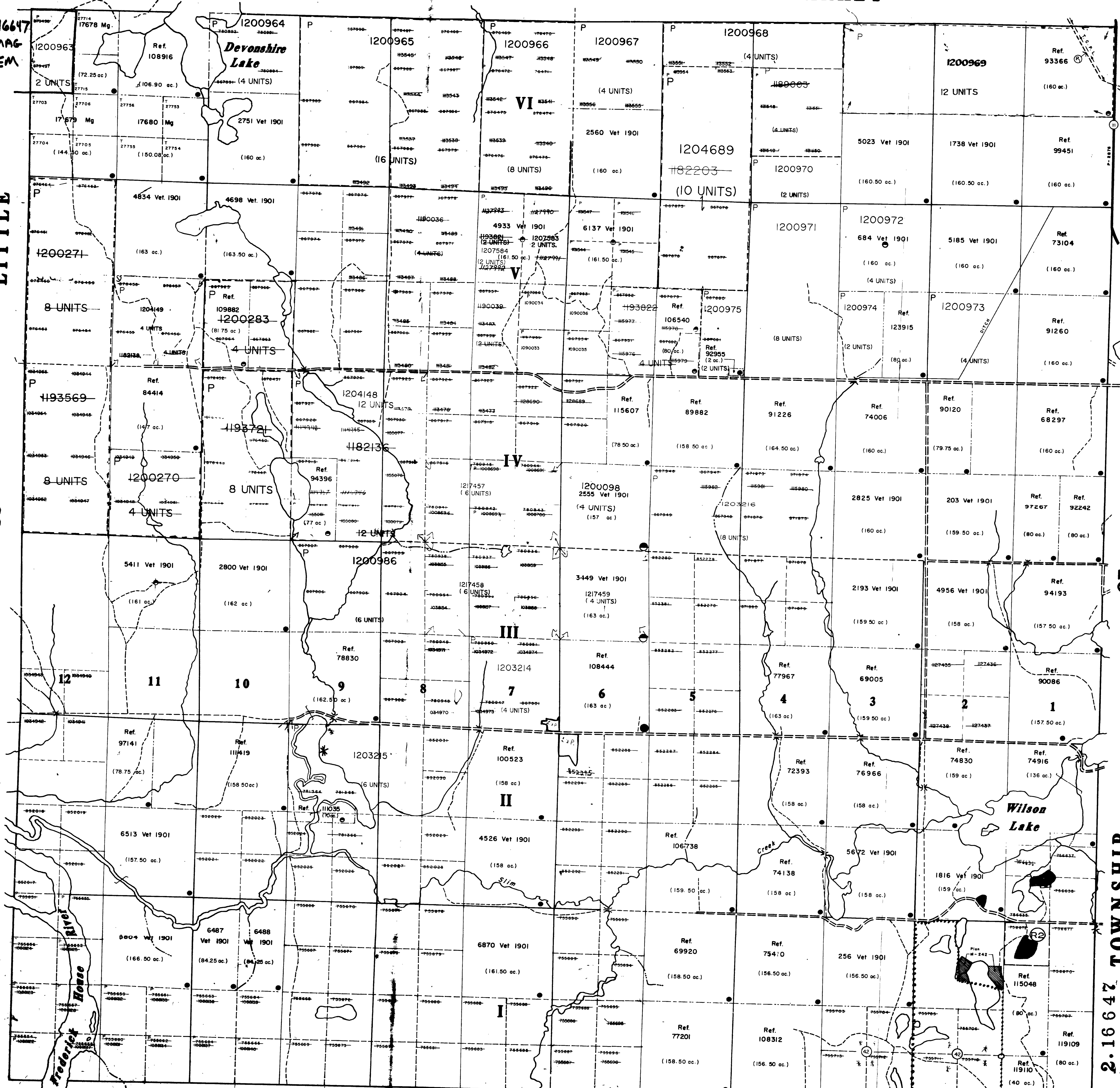


TOWNSHIP McCART

M.N.R. ADMINISTRATIVE DISTRICT  
COCHRANE  
MINING DIVISION  
PORCUPINE  
LAND TITLES / REGISTRY DIVISION  
COCHRANE



Stamp: JUL 5 1996



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 RECORDS, DEPARTMENT OF LANDS AND FORESTS, TORONTO, ONTARIO, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

RECEIVED JUL 5 1996

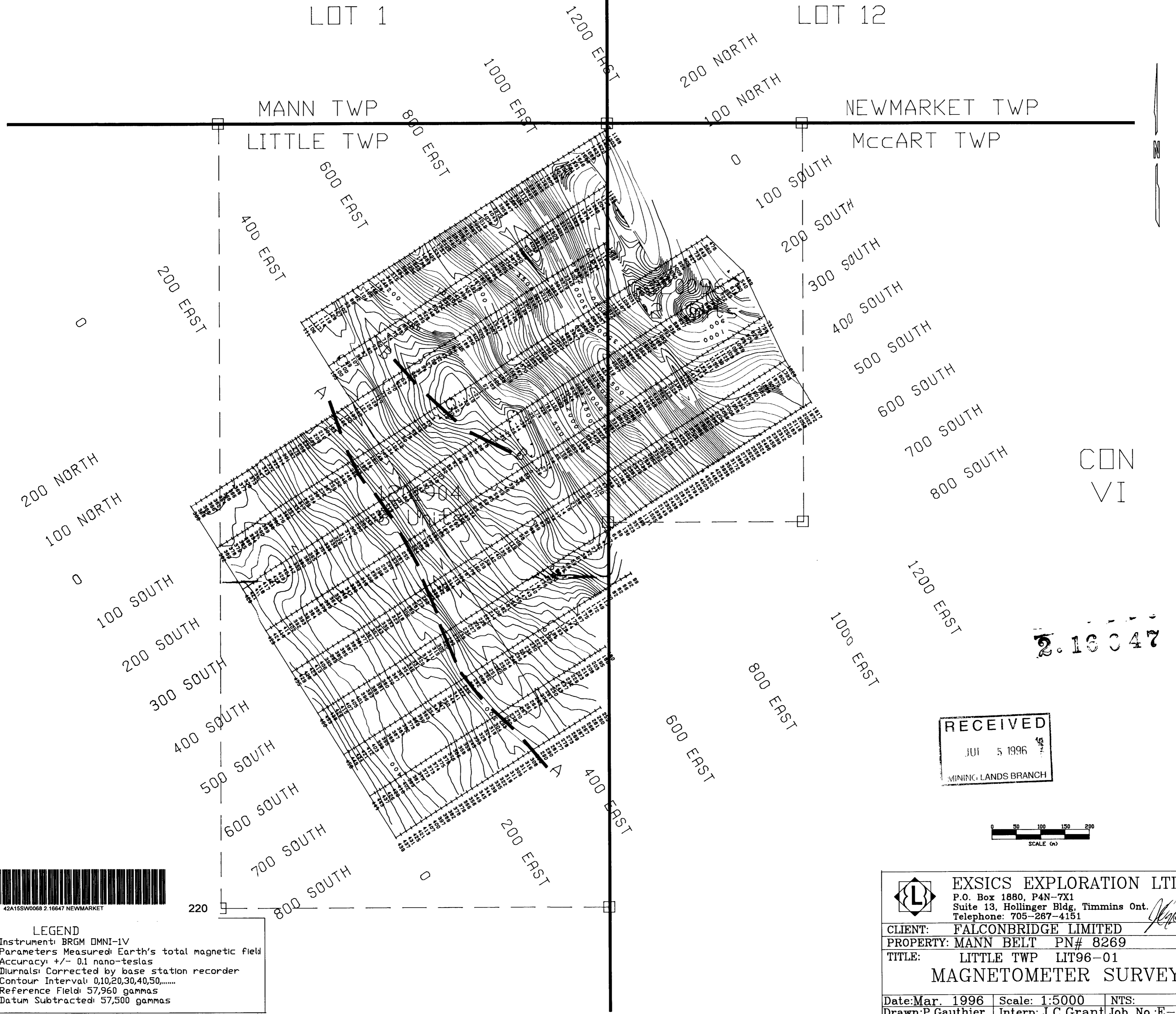


LOT 1

LOT 12

MANN TWP  
LITTLE TWP

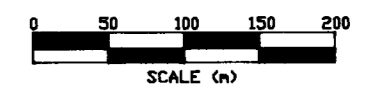
NEWMARKET TWP  
McCART TWP




CON  
VI

2.16047

RECEIVED  
 JUL 5 1996  
 MINING LANDS BRANCH



**LEGEND**  
 Instrument: BRGM DMNI-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: 57,960 gammas  
 Datum Subtracted: 57,500 gammas

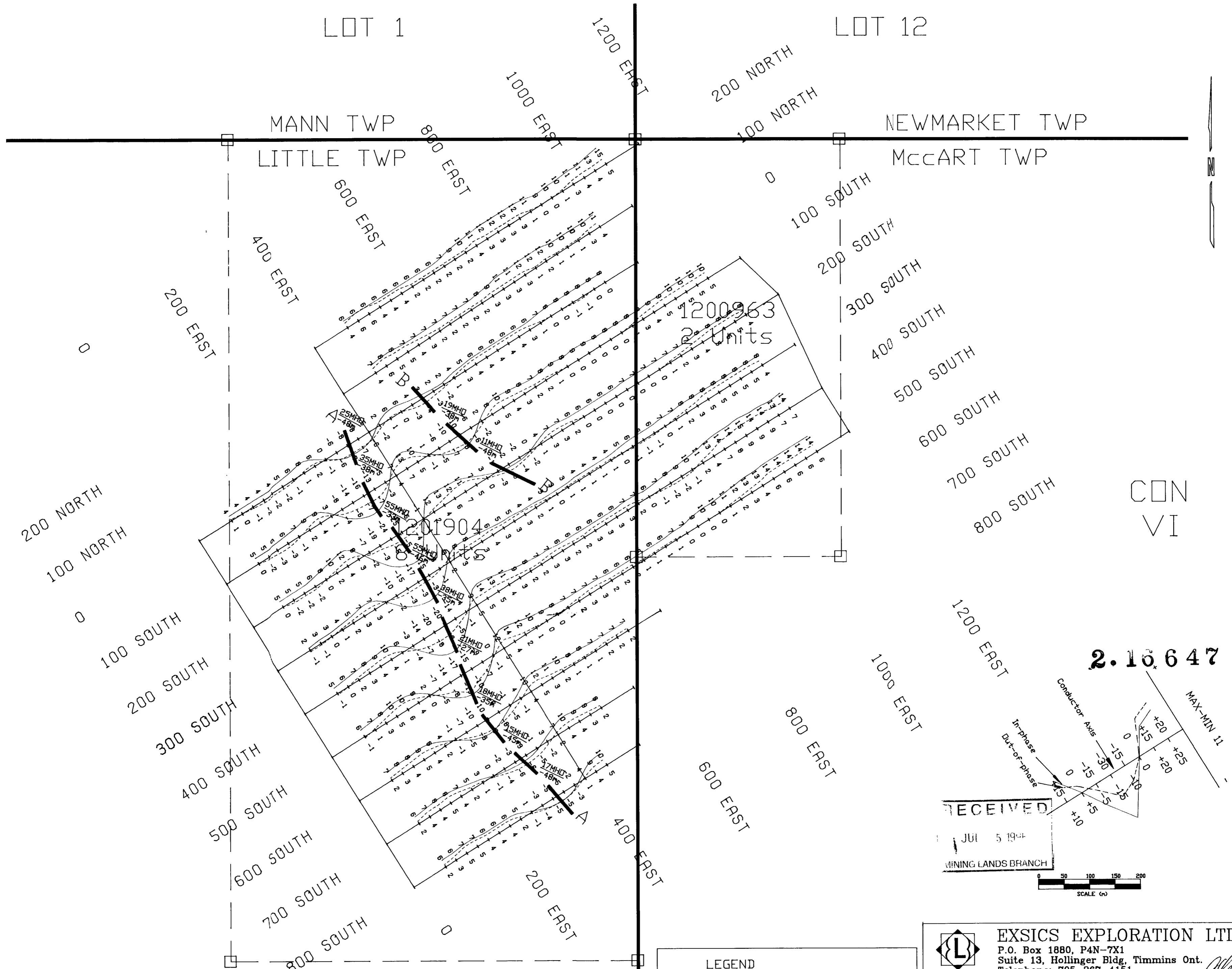
 <b>EXSICS EXPLORATION LTD.</b> P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 705-267-4151		
CLIENT: FALCONBRIDGE LIMITED		
PROPERTY: MANN BELT PN# 8269		
TITLE: LITTLE TWP LIT96-01 MAGNETOMETER SURVEY		
Date: Mar. 1996	Scale: 1:5000	NTS:
Drawn: P. Gauthier	Interp: J.C. Grant	Job No.: E-145

LOT 1

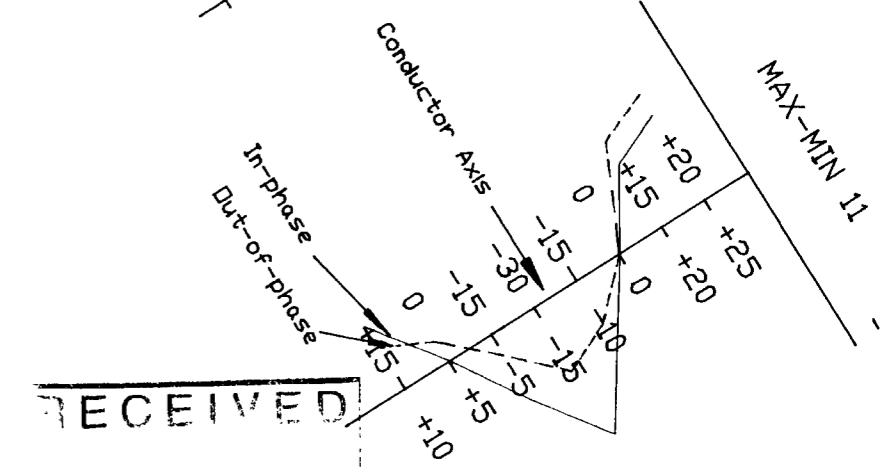
LOT 12

MANN TWP  
LITTLE TWP

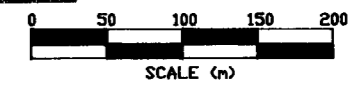
NEWMARKET TWP  
McCart TWP



2.16647



RECEIVED  
 JUL 5 1996  
 MINING LANDS BRANCH



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: **LITTLE TWP LIT96-01**  
**MAX-MIN II 444 Hz**

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

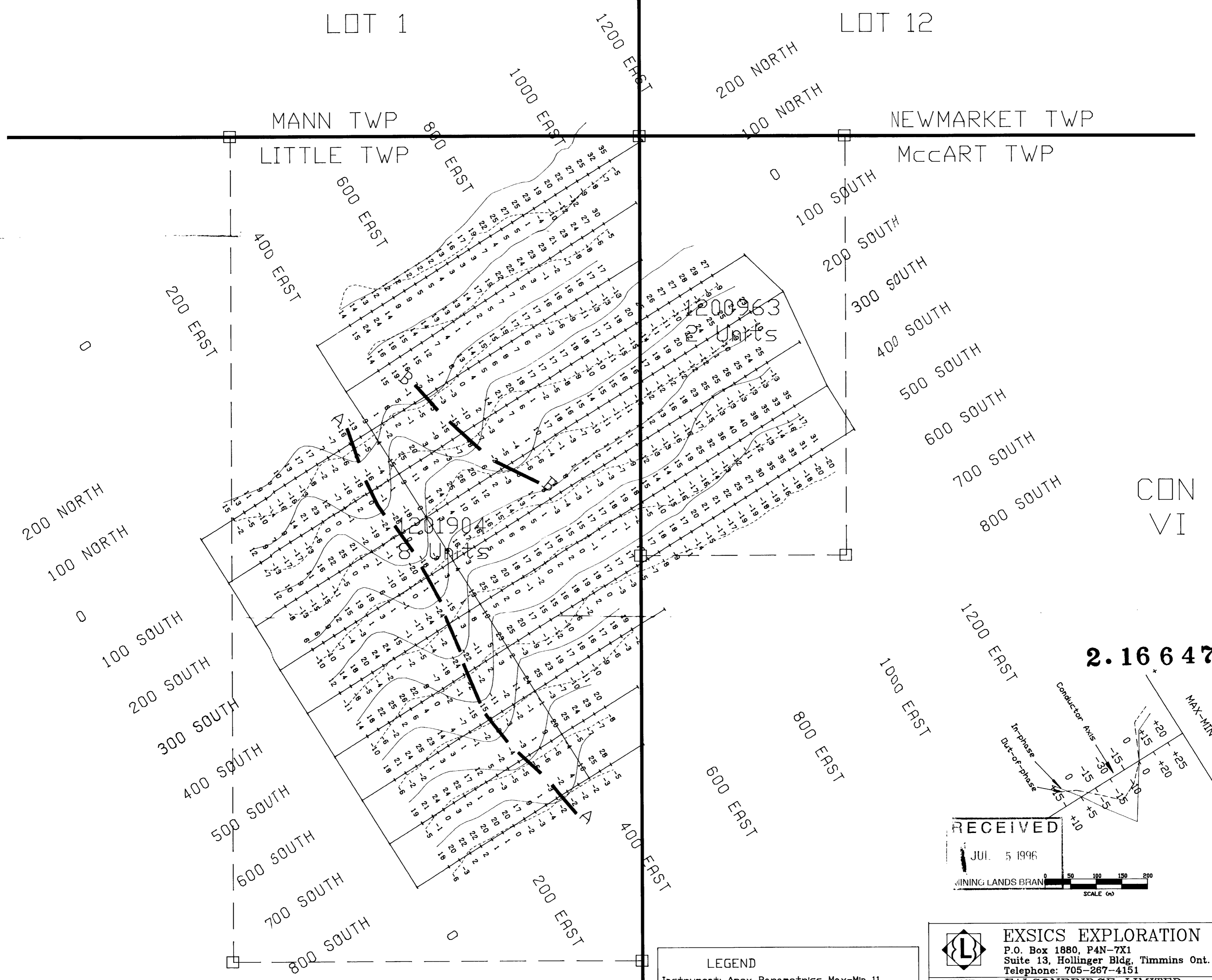


LOT 1

LOT 12

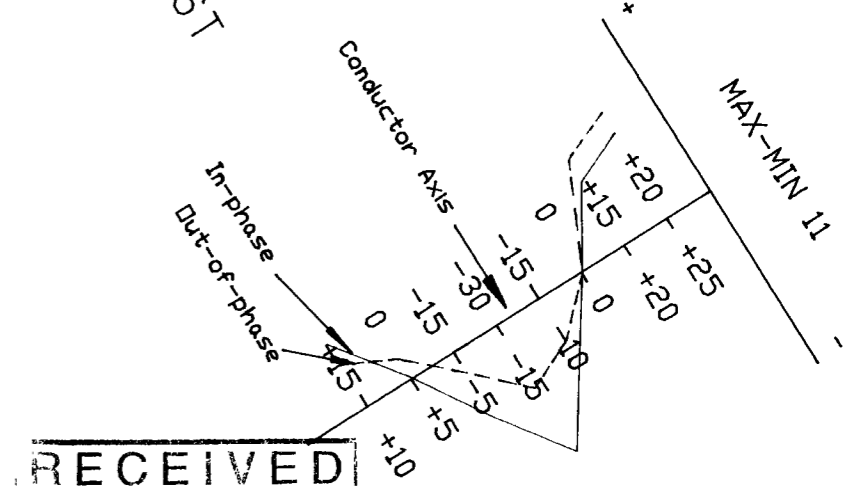
MANN TWP  
LITTLE TWP

NEWMARKET TWP  
McCART TWP



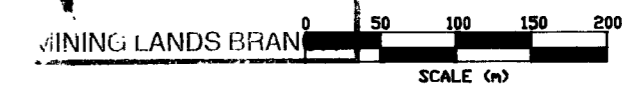
CON  
VI

2.16647




RECEIVED

JUL 5 1996



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%

 <b>EXSICS EXPLORATION LTD.</b> P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 705-267-4151		
<b>CLIENT: FALCONBRIDGE LIMITED</b>		
<b>PROPERTY: MANN BELT PN# 8269</b>		
<b>TITLE: LITTLE TWP LIT96-01</b>		
<b>MAX-MIN II 1777 Hz</b>		
<b>Date: Mar. 1996</b>	<b>Scale: 1:5000</b>	<b>NTS:</b>
<b>Drawn: P. Gauthier</b>	<b>Interp: J.C. Grant</b>	<b>Job No.: E-145</b>

