

42A14NE0023 2.16136 REAUME

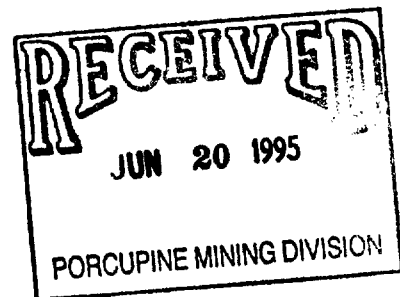
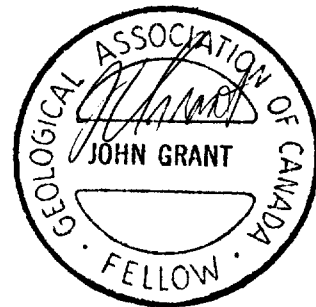
010

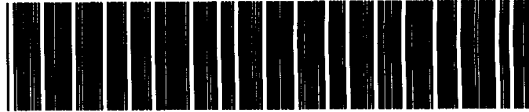
GEOPHYSICAL REPORT  
FOR  
FALCONBRIDGE LIMITED  
ON  
GRID NO.2  
REAUME TOWNSHIP  
PORCUPINE MINING DIVISION  
NORTHEASTERN, ONTARIO

**2.16136**

*Qual. # 2.3943*

PREPARED BY: J. C. Grant CET, FGAC





42A14NE0023 2.16136 REAUME

010C

TABLE OF CONTENTS

	PAGE
INTRODUCTION.....	1
LOCATION AND ACCESS.....	1
CLAIM GROUP.....	1
PERSONNEL.....	2
LINECUTTING PROGRAM.....	2
GEOPHYSICAL PROGRAM.....	2
MAGNETIC SURVEY.....	2
HLEM SURVEY.....	3
SURVEY RESULTS.....	3
CONCLUSIONS AND RECOMMENDATIONS.....	4
CONDUCTIVE ZONE TABLE 1.....	4
CERTIFICATE	
FIGURE 1- LOCATION MAP	
2- PROPERTY LOCATION MAP	
3- CLAIM SKETCH GRID #2	
MAPS - MAGNETIC SURVEY	
- MAX MIN II 444 HZ SURVEY GRID #2	
- MAX MIN II 1777 HZ SURVEY GRID #2	
APPENDIX A - EDA OMNI IV SYSTEM	
B - APEX PARAMETRICS MAX MIN II SYSTEM	

## INTRODUCTION

The services of Exsics Exploration Limited were retained by Falconbridge Limited to complete a linecutting and geophysical program on a block of claims, Grid 2, located in Reaume Township of the Porcupine Mining Division, in the District of Cochrane, Northeastern, Ontario.

The purpose of this program was to test the property for geological structure which would be favourable areas for base metal deposition.

The linecutting commenced on February 4, 1995 and was completed February 10, 1995. The geophysical program was completed between February 22, 1995 and February 24, 1995.

This report will deal with the results of the program as well as conclusions and follow up recommendations.

## LOCATION AND ACCESS

Grid 2 is located in the west central section of Reaume Township, Porcupine Mining Division, District of Cochrane, Northeastern Ontario.

More specifically the grid represents the majority of Lot 12 Concession III and the S1/4 of Lot 12 Concession IV of the Township. Refer to Figures 2 and 3 of this report.

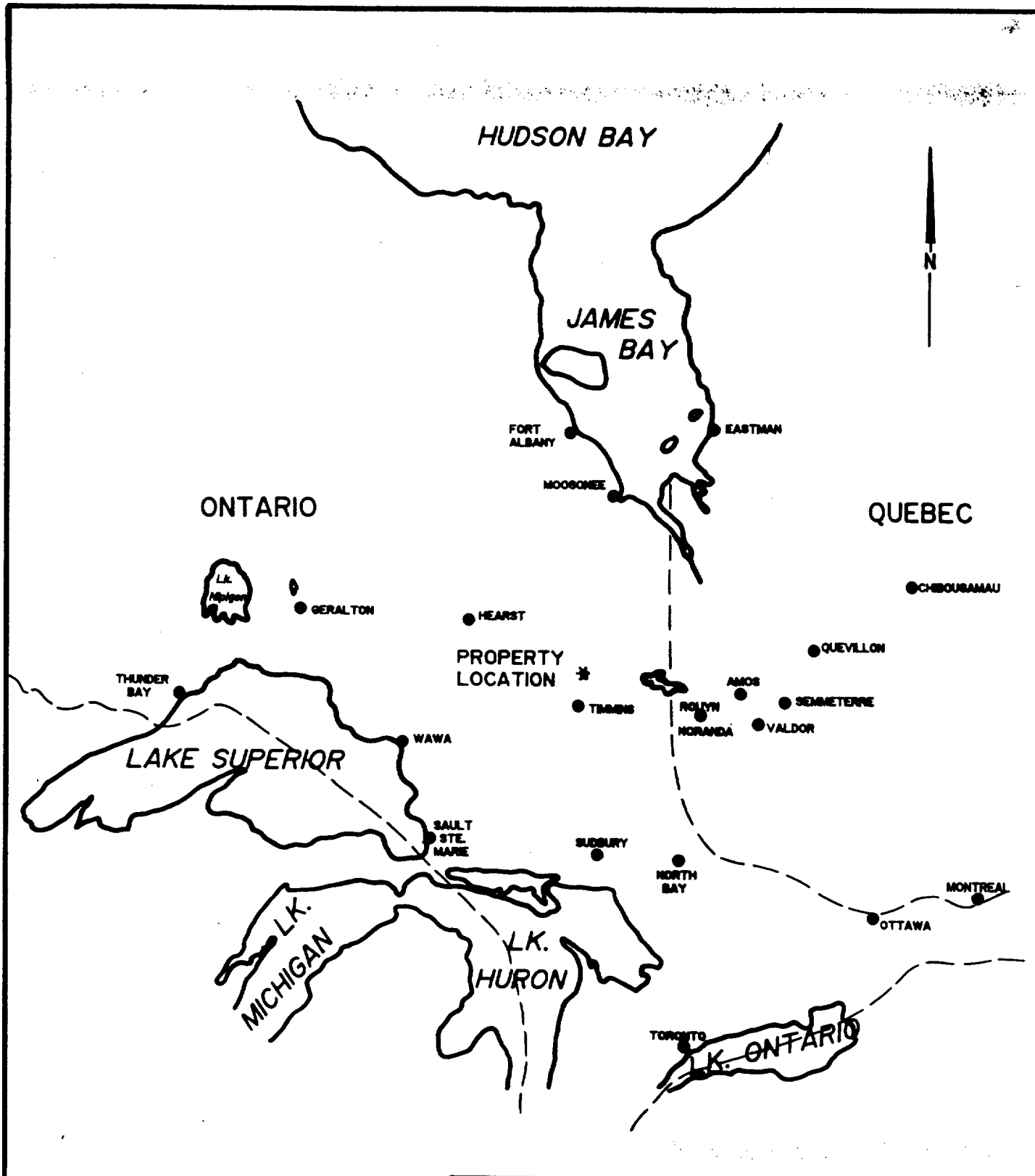
Access to the property was ideal during the survey period. Highway 11 north travels west from the Town of Cochrane and provides access to the Dunn Lake Road which travels south through Fournier Township and continues south into Reaume Township. Current logging operations in Reaume Township has resulted in this road being well maintained throughout the survey period. All of the grids in Reaume can be reached by 2 wheel vehicles following this logging road. Travel time from Cochrane to the Township of Reaume is approximately 20 to 30 minutes.


## CLAIM GROUP

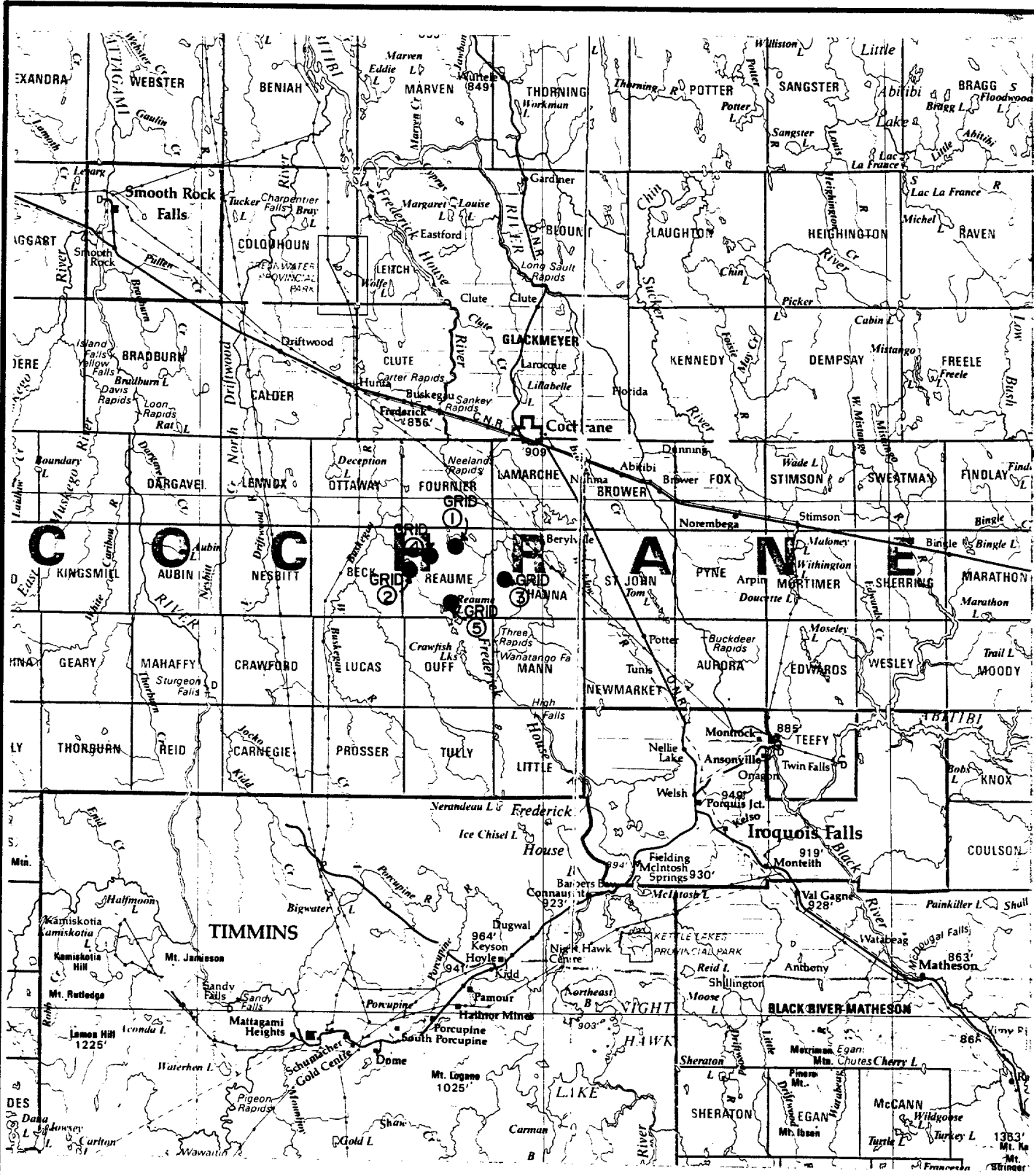
The claim number which make up the Grid are as follows:

P-1204794            8 units

Refer to Figure 3, copied from MNDM Plan Map #G-3560  
Reaume Township, scale 1:20,000.



		
<b>EXSICS EXPLORATION LTD.</b> P.O. Box 1000, P4M-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 783-267-4151		
<b>CLIENT: FALCONBRIDGE LIMITED</b>		
<b>PROPERTY: REAUME &amp; HANNA TWPS.</b>		
<b>TITLE: PN 8246</b> <b>LOCATION MAP</b>		
Fig. 1		
<b>Date: Feb. 1995</b>	<b>Scale: 1"=125miles</b>	<b>NTS:</b>
<b>Drawn: P.Gauthier</b>	<b>Interp: J.C. Grant</b>	<b>Job No. E-96</b>



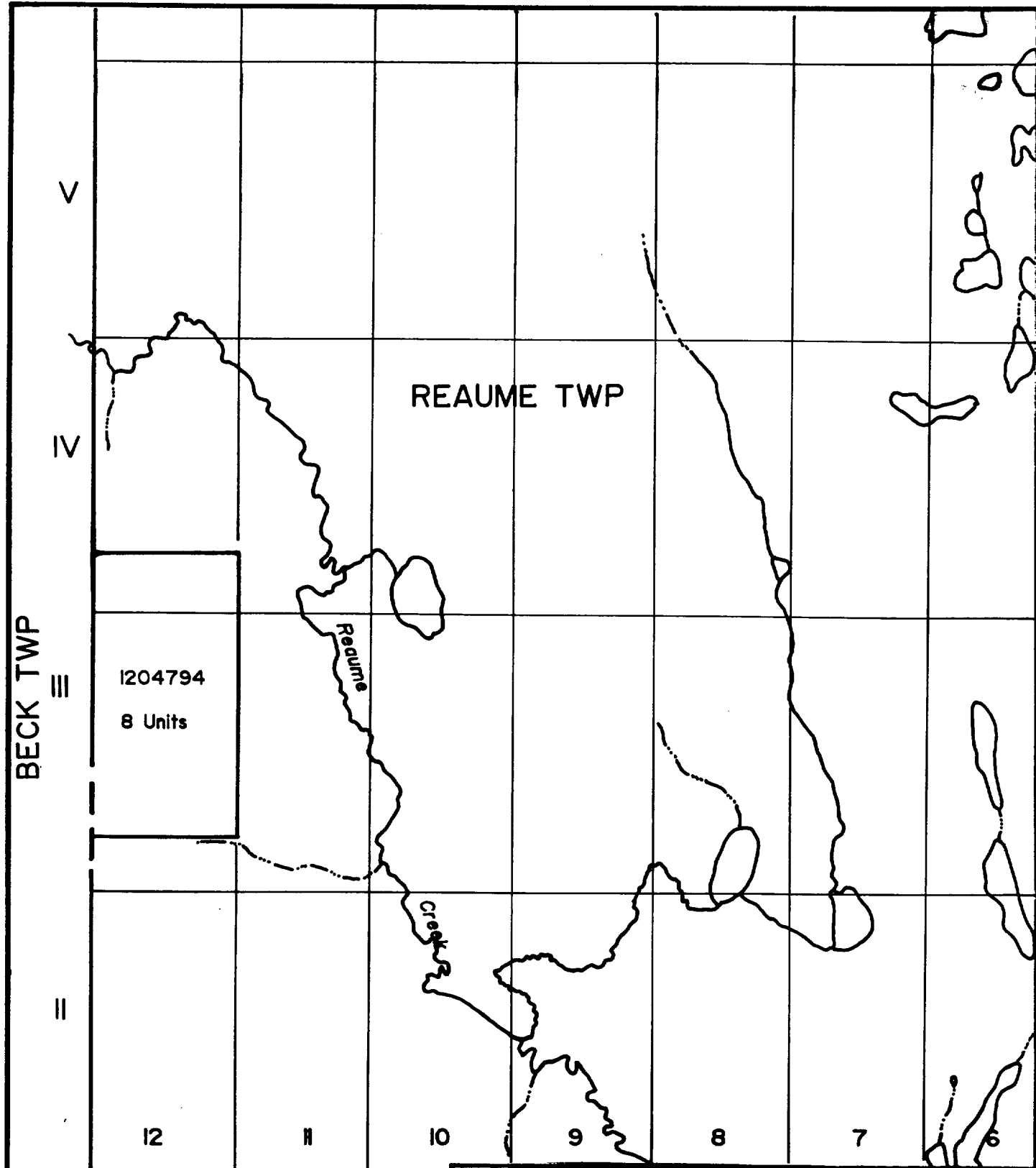
**EXSICS EXPLORATION LTD.**

P.O. Box 1880, P4N-7X1  
 Suite 13, Hollinger Bldg, Timmins Ont.  
 Telephone: 705-267-4511

**CLIENT: FALCONBRIDGE LIMITED**  
**PROPERTY: REAUME & HANNA TWP.**  
**TITLE: PN 8246**  
**PROPERTY LOCATION**

Fig. 2

Date: Feb. 1995	Scale: 1:600,000	NTS:
Drawn:	Interp: J.C. Grant	Job No. E-96



**EXSICS EXPLORATION LTD.**

P.O. Box 1000, P4N-7X1  
 Suite 13, Hollinger Bldg, Timmins Ont.  
 Telephone: 705-267-4151

**CLIENT: FALCONBRIDGE LIMITED**

**PROPERTY: REAUME & HANNA TWPS.**

**TITLE: PN 8246  
 CLAIM SKETCH GRID 2**

Fig. 3

Date: Feb. 1995	Scale: 1"=1/2mile	NTS:
Drawn: P.Gauthier	Interp: J.C. Grant	Job No. E-96

## PERSONNEL

The field crew directly involved with collecting the survey data were as follows:

Richard Mathieu	-Timmins, Ontario
Robin Mathieu	-Timmins, Ontario
Todd Mathieu	-Timmins, Ontario

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

## LINECUTTING PROGRAM

A detailed metric grid was first established across the property. All of the cross lines were chained at 20 meter station intervals with aluminum tags. In all, a total of 16.0 Km of grid lines were established across the property.

## GEOPHYSICAL PROGRAM

This program consisted of a Total Field Magnetic survey being done in conjunction with a Horizontal Loop, Electromagnetic, (HLEM), survey.

The magnetic survey was completed on the entire cut grid and the HLEM was completed on the cross lines only.

## MAGNETIC SURVEY

This program was completed using the EDA OMNI IV System.. Specifications for this unit can be found as Appendix A of this report. The following parameters were kept constant throughout the survey period.

Linespacing	-100 meter
Station Record Interval	-20 meter
Diurnal Correction Method	-base station recorder
Base Station Record Interval	-30 second reading interval
Unit Accuracy	- +/-0.5 gammas
Reference Field	-58,560 gamma
Datum Subtraction	-57,500 gamma

The collected data was then corrected for diurnal variations, a base level of 57,500 gamma was removed from each reading, and the resultant data was plotted directly onto a mylar base map at a scale of 1:5,000. The data was then contoured at 10 gamma intervals wherever possible.

A copy of this contoured map is included in the back pocket of this report.

## HLEM SURVEY

This program was completed using the Apex Parametrics MaxMin II System. Specifications for this unit can be found as Appendix B of this report.

The following parameters were kept constant throughout the survey period.

Linespacing	-100 meter
Reading Interval	-20 meters
Coil Separation	-200 meters
Theoretical Search Depth	-100-110 meters
Frequencies Recorded	-444 Hz, 1777Hz
Parameters Measured	-inphase and quadrature components of the secondary field
Unit Accuracy	- +/- 0.5%

The collected data was then plotted onto a mylar base map, one map for each frequency, at a scale of 1:5000. The data was then profiled at 1cm to +/- 20%. A line to line interpretation was done on each conductor located such that the depth and conductivity was calculated and placed directly on 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 3 main conductive zones on the grid as well as 2 single line responses. Each zone has been lettered and will be discussed separately and in detail below:

Zone A:

This feature represents the most predominant zone on the grid. It generally strikes northwest to southeast from line 600MW/1400MN to 100ME/840MN. The zone lies at a depth of 35 to 60 meters with a conductivity range of 5 - 9 Mhos. The zone appears to dip near vertical. Generally the zone has spotty magnetic highs associated on the north flank of the conductive zone. The section of conductor striking across lines 500MW to 300MW lies along the south flank of an elongated magnetic bullseye structure.

Zone B:

This feature generally strikes east-west and appears to be strengthening to the east and off of the grid. The zone represents a legitimate bedrock conductor situated at a depth of 25-40 meters with moderate to good conductivity of 3.5 to 15 Mhos. Again the zone appears to dip vertical to slightly south.



The zone appears to relate to the north edge of a moderate magnetic low structure.

#### Zone C:

This feature appears to represent a legitimate bedrock conductor striking northwest to southeast and appears to continue off of the grid to the southeast. Proper interpretation may be strained due to the strike of the zone in relation to the grid lines. The zone appears to lie at a depth of 65 to 90 meters with a strong conductivity of 30-40 Mhos.

The zone lies along the north flank of a strong magnetic unit coming in from the south which appears to strike into a northwest to southeast cross structure. This structure may represent a diabase dike. The magnetic lows on either side of this structure may relate to a dipole effect.

#### Zones D & E:

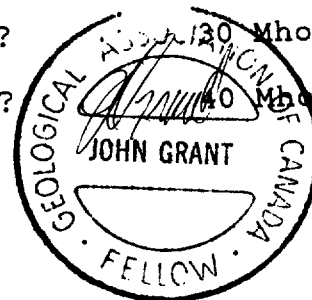
At this writing, these features are considered lower priority. However, they should be followed up further should follow-up drilling return encouraging results.

### CONCLUSIONS AND RECOMMENDATIONS

Generally the surveys were successful in locating and outlining 3 structural horizons worthy of future follow-up. The strike of Zones A & C in relation to the grid lines may have caused some exaggeration in the interpretation of the targets. However, all three targets appear to represent legitimate bedrock conductors. Zone B should be tested by drilling first as it does not appear to follow structural trends outlined by the magnetics. Zone A and C may represent contact zones however they should be tested further.

CONDUCTIVE ZONE, TABLE 1

Zone	Line/station	Depth	Dip	Cond	Mag Corr
A	300MW/1000MN	-50M	Vertical	8 Mhos	North Flanking
A	0+00/900MN	-60M	Vertical	5.5 Mhos	Moderate Mag lows
A	100ME/830MN	-35M	Vertical?	9 Mhos	N/A
B	100ME/560MN	-24M	Vertical	15 Mhos	Moderate
B	100MW/540MN	-40M	?	3.5 Mhos	Moderate Low
C	300MW/260MN	-90M	?	120 Mhos	High South Flanking
C	200MW/200MN	-65M	?	40 Mhos	High South Flanking



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.

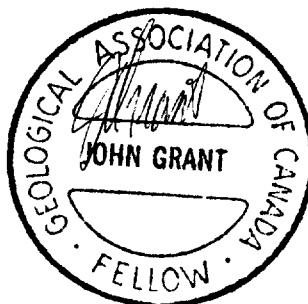
2) I am a Member of the Certified Engineering Technologist Association since 1984.

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. for property appraisal.

John Charles Grant, CET, FGAC



APPENDIX A

# OMNI IV "Tie-Line" Magnetometer



- 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

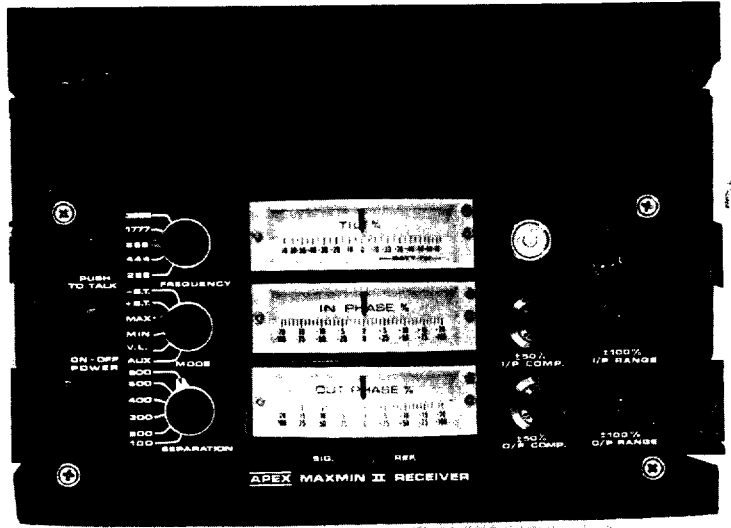
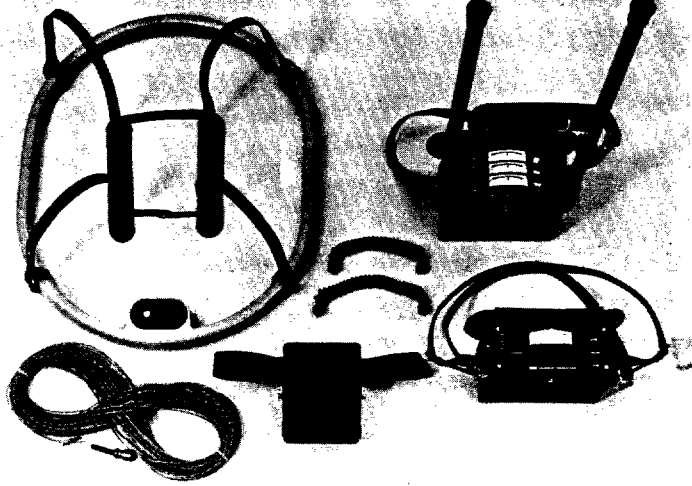
Dynamic Range	18,000 to 110,000 gammas. Roll-over display feature suppresses first significant digit upon exceeding 100,000 gammas.
Tuning Method	Tuning value is calculated accurately utilizing a specially developed tuning algorithm
Automatic Fine Tuning	$\pm 15\%$ relative to ambient field strength 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
Cycling 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 (0.5 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**



**OPERATIONAL 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 & 250m (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 90mm (3.5") edgewise meters in MAX and MIN modes. No nulling or compensation necessary.  
 - Tilt angle and null in 90mm edgewise meters in V.L. mode.

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

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

**Repeatability:**  $\pm 0.25\%$  to  $\pm 1\%$  normally, depending on conditions, frequencies and coil separation used.

**Transmitter Output:**  
 - 222Hz : 220 Atm<sup>2</sup>  
 - 444Hz : 200 Atm<sup>2</sup>  
 - 888Hz : 120 Atm<sup>2</sup>  
 - 1777Hz : 60 Atm<sup>2</sup>  
 - 3555Hz : 30 Atm<sup>2</sup>

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

**Transmitter Batteries:** 12V 6Ah 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 Unit:** 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

# 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.







# Report of Work Conducted After Recording Claim

## Mining Act

Transaction Number  
**W9560.00.300**

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 150 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

**2.16136**

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



42A14NE0023 2.16136 REAUME

900

Recorded Holder(s) <b>Falconbridge Limited</b>		Client No. <b>130679</b>
Address <b>571 Moneta Ave.</b>		Telephone No. <b>267-1188</b>
Mining Division <b>Porcupine</b>	Township/Area <b>Reaume</b>	M or G Plan No.
Dates Work Performed From: <b>February 4, 1995</b>		To: <b>February 24, 1995</b>

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

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	<b>Gridding (16 km), TEM (16 km), HLEM (14.4 km)</b>
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ **8090.00**

**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
<b>J.C. Grant, Exsics Exploration</b>	<b>P.O. Box 1880 Timmins Ont</b>

**RECEIVED**  
AUG 1 4 1995  
MINING LANDS BRANCH

(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>June 20 '95</b>	Recorded Holder or Agent (Signature) <b>Paul Nagel</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 annexed report is true.		
Name and Address of Person Certifying <b>Paul Nagel 571 Moneta Ave.</b>		
Telephone No.	Date <b>June 20 '95</b>	Certified By (Signature) <b>Paul Nagel</b>

**For Office Use Only**

<b>2000</b>	Total Value Cr. Recorded	Date Recorded	Mining Recorder <b>Paul Nagel</b>	<b>RECEIVED</b> JUN 20 1995 TB 2:00 PORCUPINE MINING DIVISION
	Deemed Approval Date <b>SEPT. 18/95</b>	Date Approved	<b>undated</b>	
	Date Notice for Amendments 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

Transaction No./N° de transaction  
**W4560.00300**

**2.16136**

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		
	Field Supervision Supervision sur le terrain	600	600
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type Gridding	3920	
	TFM	1280	
	HLEM	2160	7360
Supplies Used Fournitures utilisées	Type Flagging, topsoil, etc.	30	
			30
Equipment Rental Location de matériel	Type Truck, skidoo	100	
			100
<b>Total Direct Costs Total des coûts directs</b>			<b>8000</b>

**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			
<b>Sub Total of Indirect Costs Total partiel des coûts indirects</b>			
<b>Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)</b>			
<b>Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)</b>		<b>Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)</b>	

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 \_\_\_\_\_ I am authorized  
(Recorded Holder, Agent, Position in Company)

to make this certification

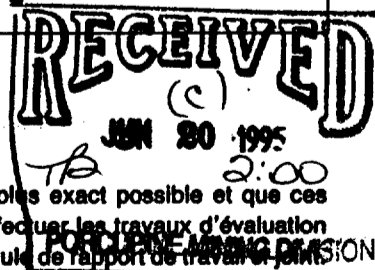
**Attestation de l'état des coûts**

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.

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

à faire cette attestation.

Signature: Paul Nagel Date: June 20 95



Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

Geoscience Approvals Section  
933 Ramsey Lake Road  
6th Floor  
Sudbury, Ontario  
P3E 6B5

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

August 21, 1995

Our File: 2.16136  
Transaction #: W9560.00300

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

Dear Mr. White:

**Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIM  
1204794 IN REAUME TOWNSHIP**

Assessment credits have been approved as outlined on the report of work form. The credits have been approved under Section 14 (Geophysical) of the Mining Act Regulations.

The approval date is August 21, 1995.

If you have any questions regarding this correspondence, please contact Steven Beneteau at (705) 670-5855.

Yours sincerely,



Mark Hall  
Acting Senior Manager, Mining Lands Section  
Mining and Land Management Branch  
Mines and Minerals Division

*SBB* SBB/sb

cc: Resident Geologist  
Timmins, Ontario

✓ Assessment Files Library  
Sudbury, Ontario



**EXSICS EXPLORATION LIMITED**  
CONTRACTING & CONSULTING GEOPHYSICS

Tel. (705) 267-4151  
Fax (705) 264-6790

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

INVOICE #: 292  
PROJECT #: E-89  
GRID #: 1, 2, 4

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

ATTENTION: Paul Nagrel

G.S.T. REGISTRATION # 113433791

RE: Magnetic and HLEM Surveys Reaume Township

AT A RATE OF:

9.9 KM of Magnetics @ \$80.00/KM } Grid # 1  
7.1 KM of HLEM @ \$150.00/KM

10.8 KM of Magnetics @ \$80.00/KM Grid 4  
8.0 of Max Min @ \$150.00/KM

~~\_\_\_\_\_ @ \$80.00/KM Grid 2~~  
~~\_\_\_\_\_~~

Sub Total  
7% GST

TOTAL OF THIS INVOICE:

DATE: February 28, 1995

SIGNED *Gavan Tulon*

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

*called - Pierre*  
*March 1 10:30 am*  
*- ask for date*  
*- part of grid*  
*(John will return*  
*roll*  
*- in field*  
*today)*

\$ 792.00  
\$1,065.00  
\$1,857.00  
\$ 864.00  
\$1,200.00  
\$2,064.00  
~~\_\_\_\_\_~~  
\$3,440.00  
\$7,361.00  
515.27  
  
\$7,876.27

**2.16136**



**EXSICS EXPLORATION LIMITED**  
CONTRACTING & CONSULTING GEOPHYSICS

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

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

INVOICE #: 288  
PROJECT #: E-96

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

2. 16138

ATTENTION: Paul

G.S.T. REGISTRATION # 113433791

RE: Linecutting in Reaume and Hanna

IN CONSIDERATION FOR: 9.9 km in Reaume  
10.9 Km in Reaume  
16.0 KM in Reaume  
7.6 KM in Hanna

AT A RATE OF:

9.9 Km of Linecutting @ \$245.00/KM Grid # 1	\$2,425.50
10.8 Km of Linecutting @ \$245.00/KM Grid # 1	\$2,646.00
<del>10.8 Km of Linecutting @ \$245.00/KM Grid # 1</del>	<del>2,646.00</del>
7.6 Km of Linecutting @ \$245.00/KM Grid # 3	\$1,862.00
	\$10,853.50

7% GST

5 Boxes of Metal Tags @ \$35.00/box (+PST & GST)

TOTAL OF THIS INVOICE:

	759.75
	\$11,613.25
	201.25
	<u>\$11,814.50</u>

DATE: February 20, 1995

SIGNED

*Karon Talon*

*Paul Nagel*

*Feb 24 '95*

*8246 602-600*

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

**NOTES**

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

Subdivision of this township into lots and concessions was annulled July 9, 1962.

**SAND AND GRAVEL**

- ① GRAVEL RESERVE FILE 144678 EXPIRED NOTICE RECEIVED 93-JAN-06
- ② GRAVEL RESERVE FILE 144680
- ③ GRAVEL RESERVE FILE 170975
- ④ QUARRY PERMIT

\* PROPOSED SILVICULTURE PLANTING CAMPS RECEIVED JANUARY 12, 1989

⑤ THIS TWP IS SUBJECT TO FOREST ACTIVITY IN 1992/93 FURTHER INFORMATION AVAILABLE ON FILE

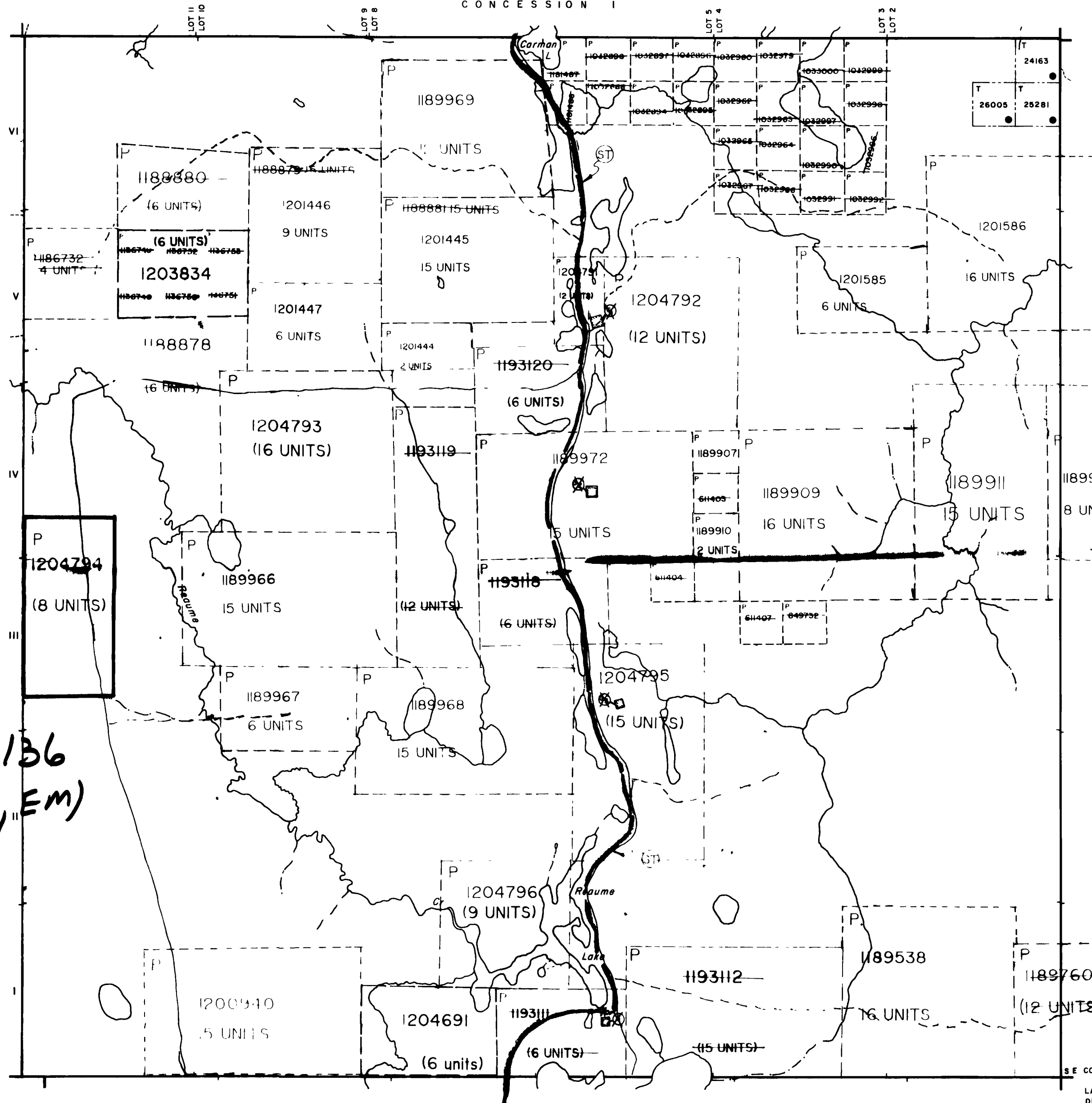
⑥ SNOWMOBILE TRAIL NOTICE RECEIVED 92-DEC-09

⑦ THIS TWP IS SUBJECT TO FOREST ACTIVITY IN 1993/94 FURTHER INFORMATION ON FILE

⑧ THIS TWP IS SUBJECT TO FOREST ACTIVITY IN 1993/94. (CHEM. SPRAY, JULY 22, 1993)

**FOURNIER TP.**

CONCESSION I



2.16136  
(MAG, EM)

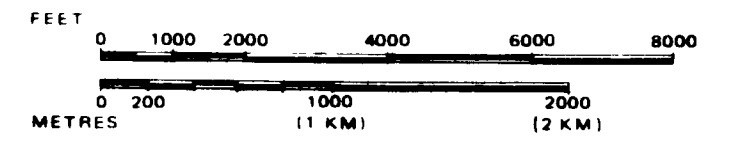
**LEGEND**

- 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	⊚

SCALE 1 INCH = 40 CHAINS



**TOWNSHIP REAUME**

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

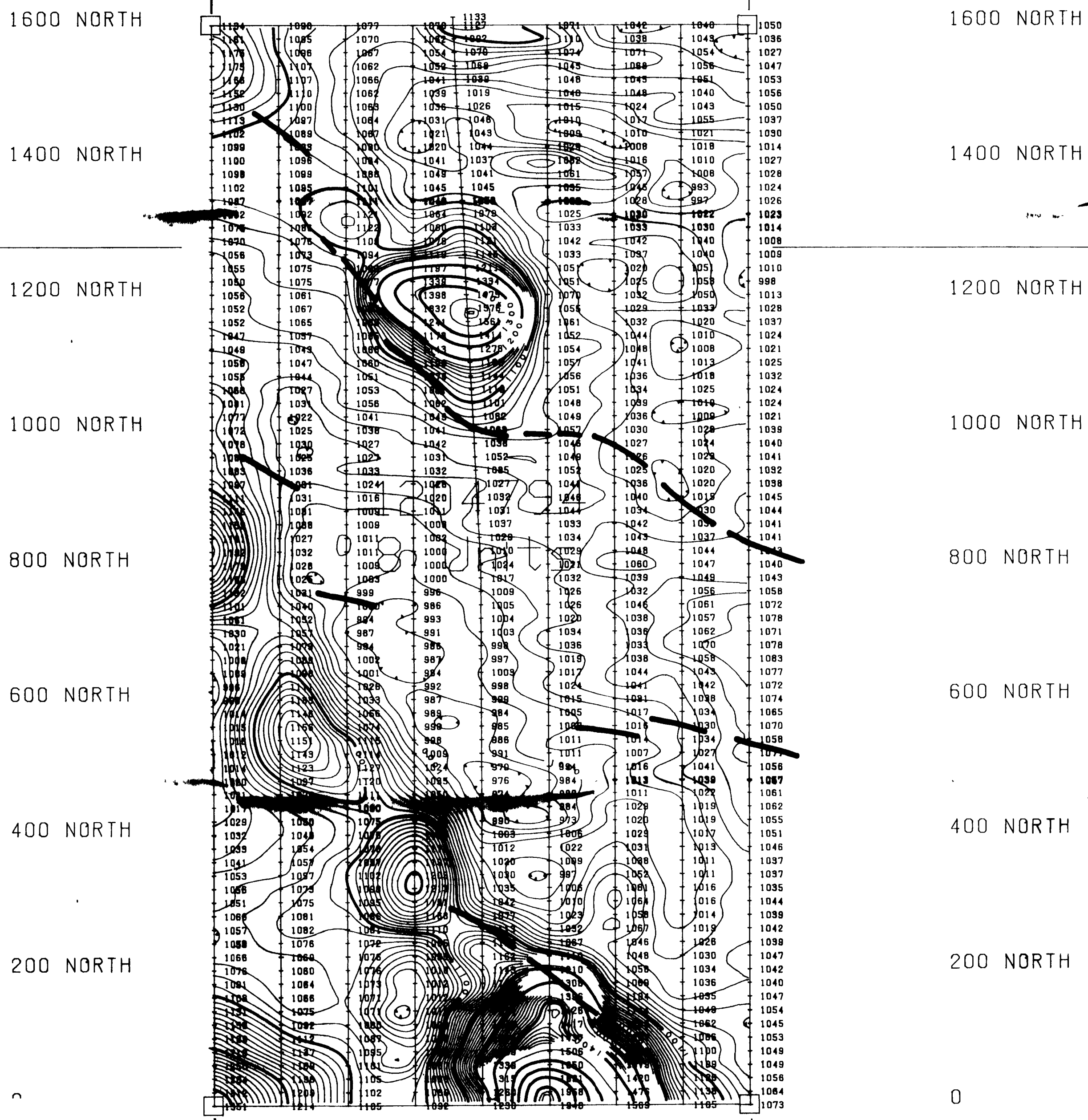
Ministry of Natural Resources Ontario  
Ministry of Northern Development and Mines

Date OCT 1975  
Number G-3560  
ACTIVATED JULY 20, 1992 BY DC  
CHECKED BY G.W.



42A14NE023 2 16136 REAUME

**LEGEND**  
 Instrument: EDA OMNI-1V  
 Parameters Measured: Earth's total magnetic field  
 Accuracy: +/- 1 nano-teslas  
 Diurnals: Corrected by base station recorder  
 Contour Interval: 0,10,20,30,40,50,.....  
 Reference Field: 58,560 gammas  
 Datum Subtracted: 57,500 gammas

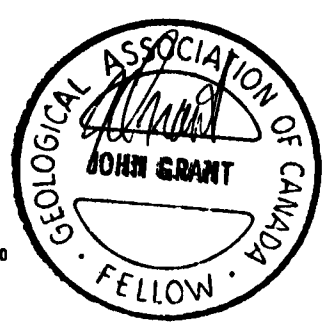
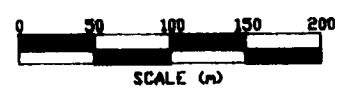


1600 NORTH  
 1400 NORTH  
 1200 NORTH  
 1000 NORTH  
 800 NORTH  
 600 NORTH  
 400 NORTH  
 200 NORTH  
 0

IV

III

2. 16136



**EXSICS EXPLORATION LTD.**  
 P.O. Box 1880, P4N-7X1  
 Suite 13, Hollinger Bldg, Timmins Ont.  
 Telephone: 705-287-4151

CLIENT: **FALCONBRIDGE LIMITED**  
 PROPERTY: **REAUME & HANNA TWPS PN#8246**  
 TITLE: **GRID # 2  
 MAGNETOMETER SURVEY**

Date: Mar. 1995 Scale: 1:5000 NTS:  
 Drawn: P.Gauthier Interp: J.C.Grant Job No.: E-96

BECK  
TWP  
REAUME  
TWP

12

11

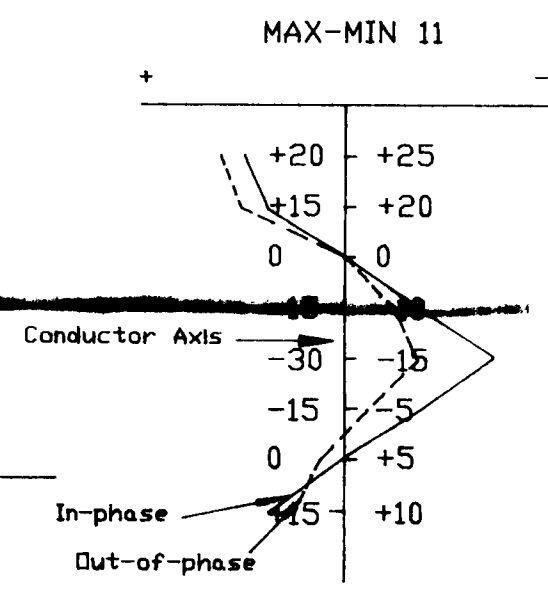
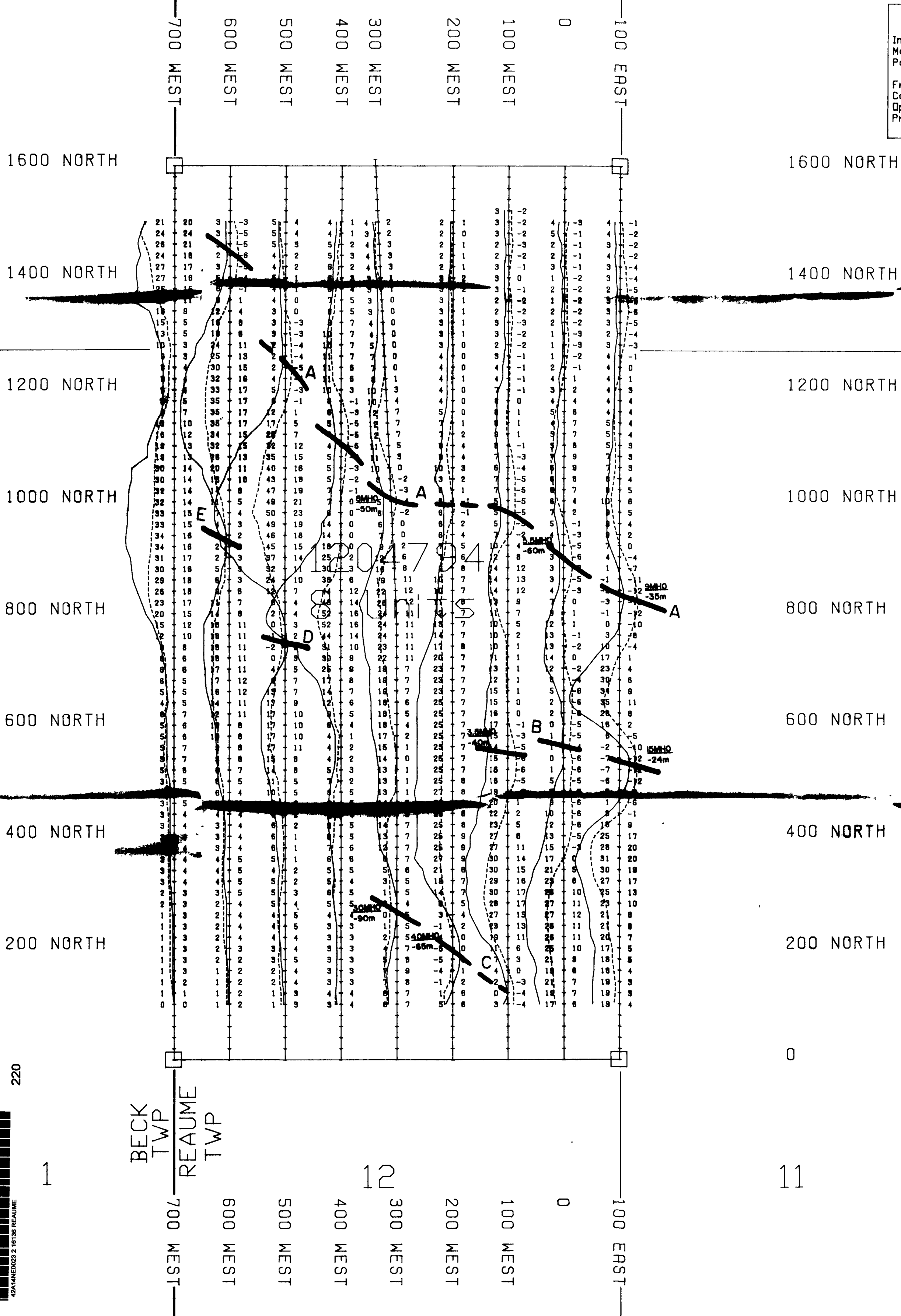
210

1

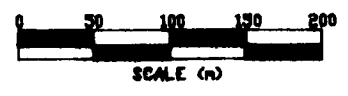
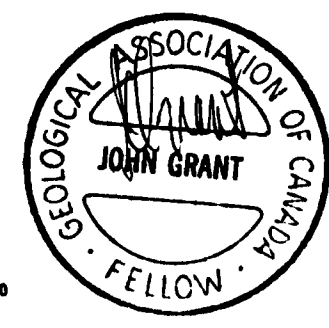


700 WEST  
 600 WEST  
 500 WEST  
 400 WEST  
 300 WEST  
 200 WEST  
 100 WEST  
 0  
 100 EAST

**LEGEND**  
 Instrument: Apex Parametrics Max-Min 11  
 Mode: Maximum Coupled, Horizontal Loop Survey  
 Parameters Measured: Inphase (%)  
 Out of phase (%)  
 Frequency: 444 Hz  
 Coil Separation: 200m  
 Operator: P. Atkinson  
 Profile Scale: 1cm=+/-20%



2.16136



	<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:	REAUME & HANNA TWPS PN#8246	
TITLE:	GRID #2 MAX-MIN 11 444 Hz	
Date:	Mar. 1995	Scale: 1:5000
Drawn:	P.Gauthier	Interp: J.C.Grant
		Job No.: E-96

220  
 42A14NE023 2 16136 REAUME

BECK  
 TWP  
 REAUME  
 TWP  
 700 WEST  
 600 WEST  
 500 WEST  
 400 WEST  
 300 WEST  
 200 WEST  
 100 WEST  
 0  
 100 EAST

12  
 300 WEST  
 200 WEST  
 100 WEST  
 0  
 100 EAST

11

IV

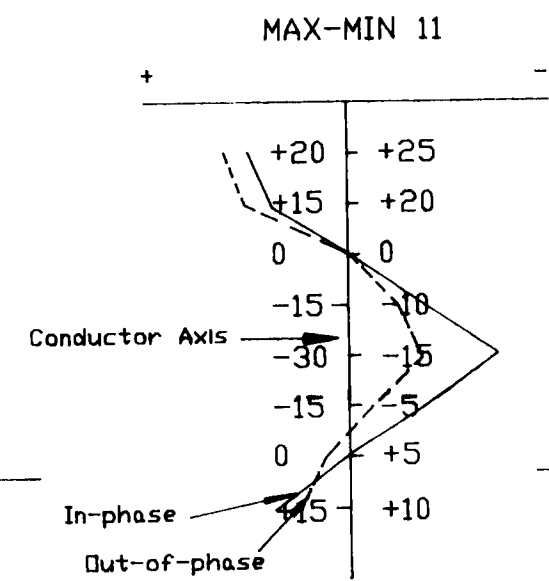
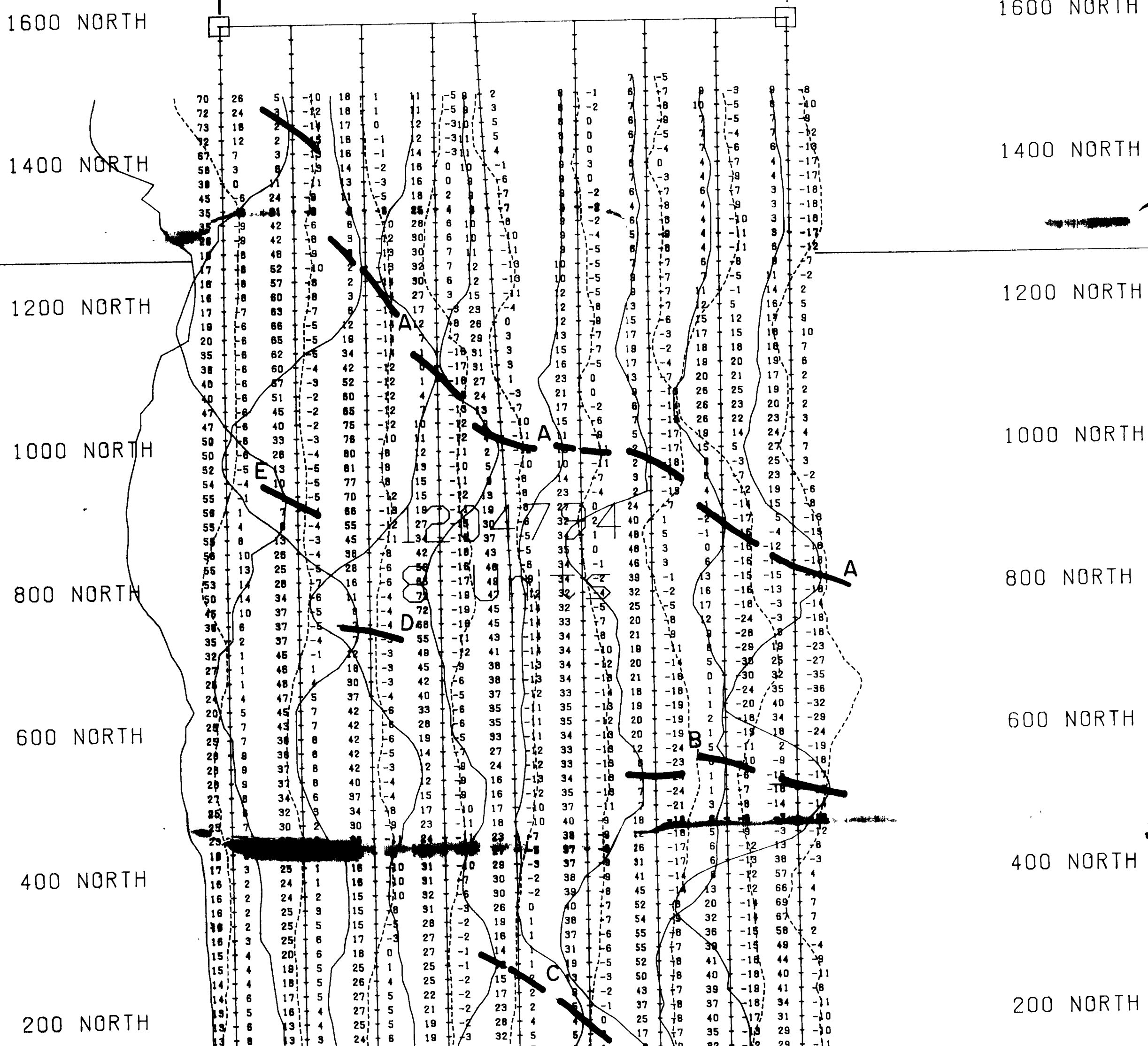
III



LEGEND

Instrument: Apex Parametrics Max-Min 11  
 Mode: Maximum Coupled, Horizontal Loop Survey  
 Parameters Measured: In-phase (%)  
 Out of phase (%)

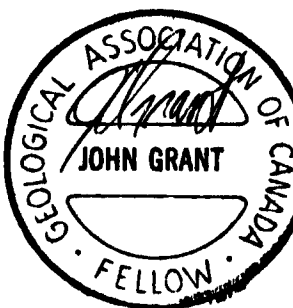
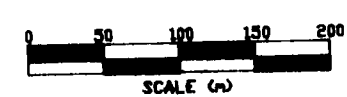
Frequency: 1777 Hz  
 Coil Separation: 200m  
 Operator: P. Atkinson  
 Profile Scale: 1cm=+/-20%



IV

III

2. 16136



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

CLIENT: FALCONBRIDGE LIMITED  
 PROPERTY: REAUME & HANNA TWPS PN#824  
 TITLE: GRID #2  
 MAX-MIN 11 1777 Hz

Date: Mar. 1995 Scale: 1:5000 NTS:  
 Drawn: P.Gauthier Interp: J.C.Grant Job No.: E-96

11

400 NORTH

200 NORTH

600 NORTH

800 NORTH

1000 NORTH

1200 NORTH

1400 NORTH

1600 NORTH

700 WEST  
 600 WEST  
 500 WEST  
 400 WEST  
 300 WEST  
 200 WEST  
 100 WEST  
 0  
 100 EAST

700 WEST  
 600 WEST  
 500 WEST  
 400 WEST  
 300 WEST  
 200 WEST  
 100 WEST  
 0  
 100 EAST

230



BECK TWP  
 REAUME TWP

12

1600 NORTH

1400 NORTH

1200 NORTH

1000 NORTH

800 NORTH

600 NORTH

400 NORTH

200 NORTH

0

1