



42A15SW0033 2 16312 NEWMARKET

010

GEOPHYSICAL REPORT
FOR
FALCONBRIDGE LIMITED
ON THE
MANN BELT PROJECT, NEW 95-03
PORCUPINE MINING DIVISION
NORTHEASTERN ONTARIO

2.16312

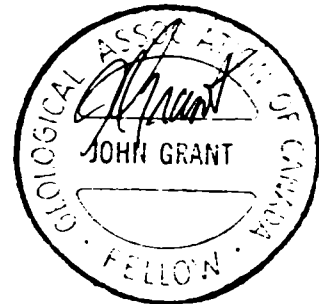
Quat. # 2 3143

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DEC 2 1995

MINING LANDS DIVISION

PREPARED BY: J.C. Grant, CET, FGAC
October, 1995





42A15SW0033 2 16312 NEWMARKET

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INTRODUCTION

A detailed linecutting and geophysical program was completed by Exsics Exploration Limited for Falconbridge Limited on a group of claims, New 95-03, located in Newmarket Township of the Porcupine Mining Division of Northeastern Ontario. Figure 1

The purpose of this program was to locate and outline several airborne targets which may represent areas of potential base metal deposition. The linecutting portion of the project was completed between September 23 and 28, 1995. The follow up geophysical program was completed between September 28 and 29, 1995. This report will deal with the results of this ground program.

LOCATION AND ACCESS

The New 95-03 grid is located in the southeast part of Lot 10 and the southwest section of Lot 9, Concession 1 of Newmarket Township of the Porcupine Mining Division. More specifically it is situated approximately 25 meters east of the northeast shore of Devonshire Lake. The entire grid is located approximately 11 kilometers northwest of the Town of Iroquois Falls. Figure 2.

Access to the grid during the survey period was with fixed wing from Ratcliff Airways on Porcupine Lake to the northeast shore of Devonshire Lake. A short 25 meter walk east of the lake will access the west central edge of the grid.

CLAIM GROUP

The claim number which make up the New 95-03 grid is as follows:

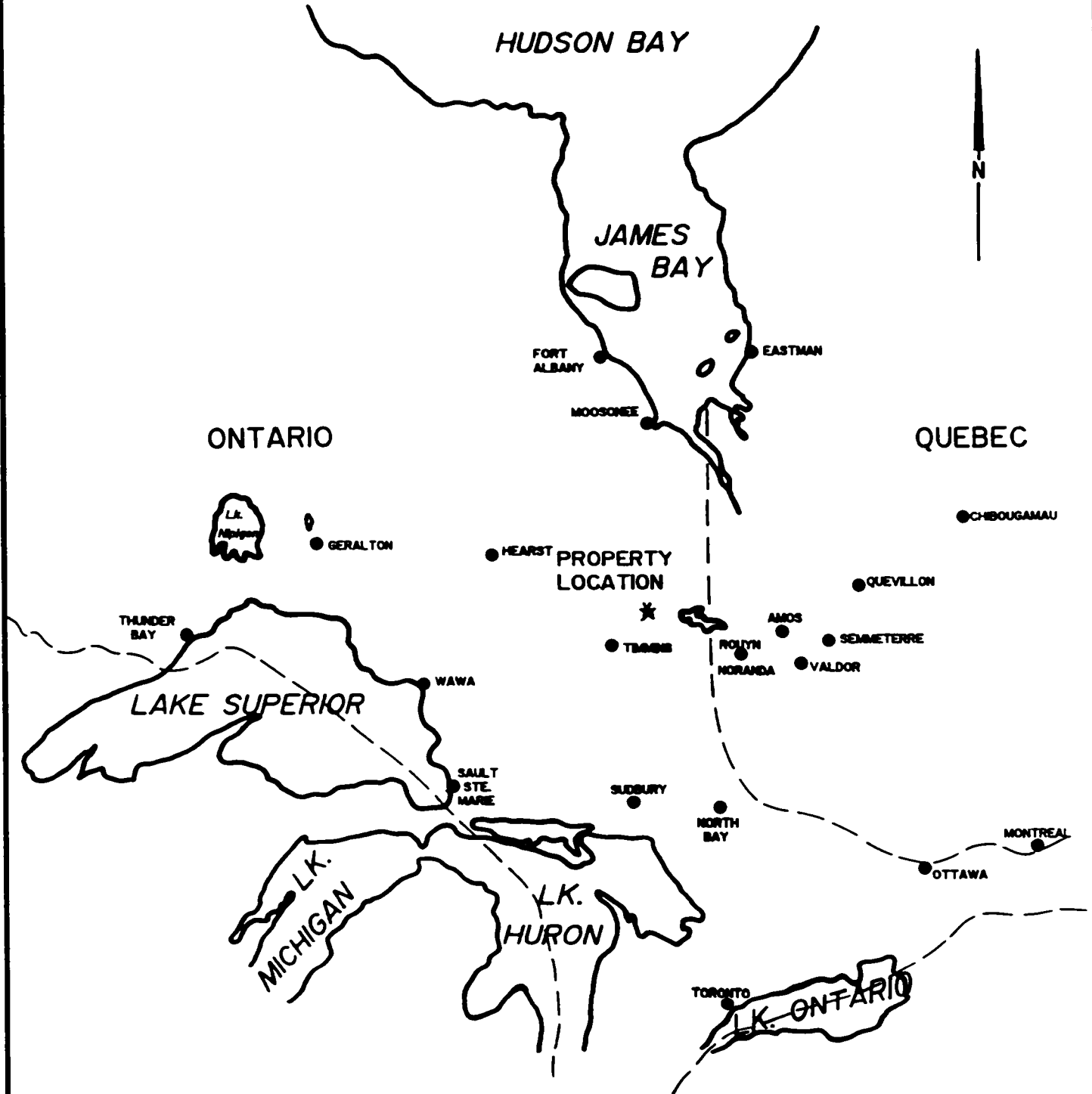
P-1200951 16 units


Refer to figure 3, copied from the MNM Plan map of Newmarket Township for that portion of the claim which was covered by the ground program.

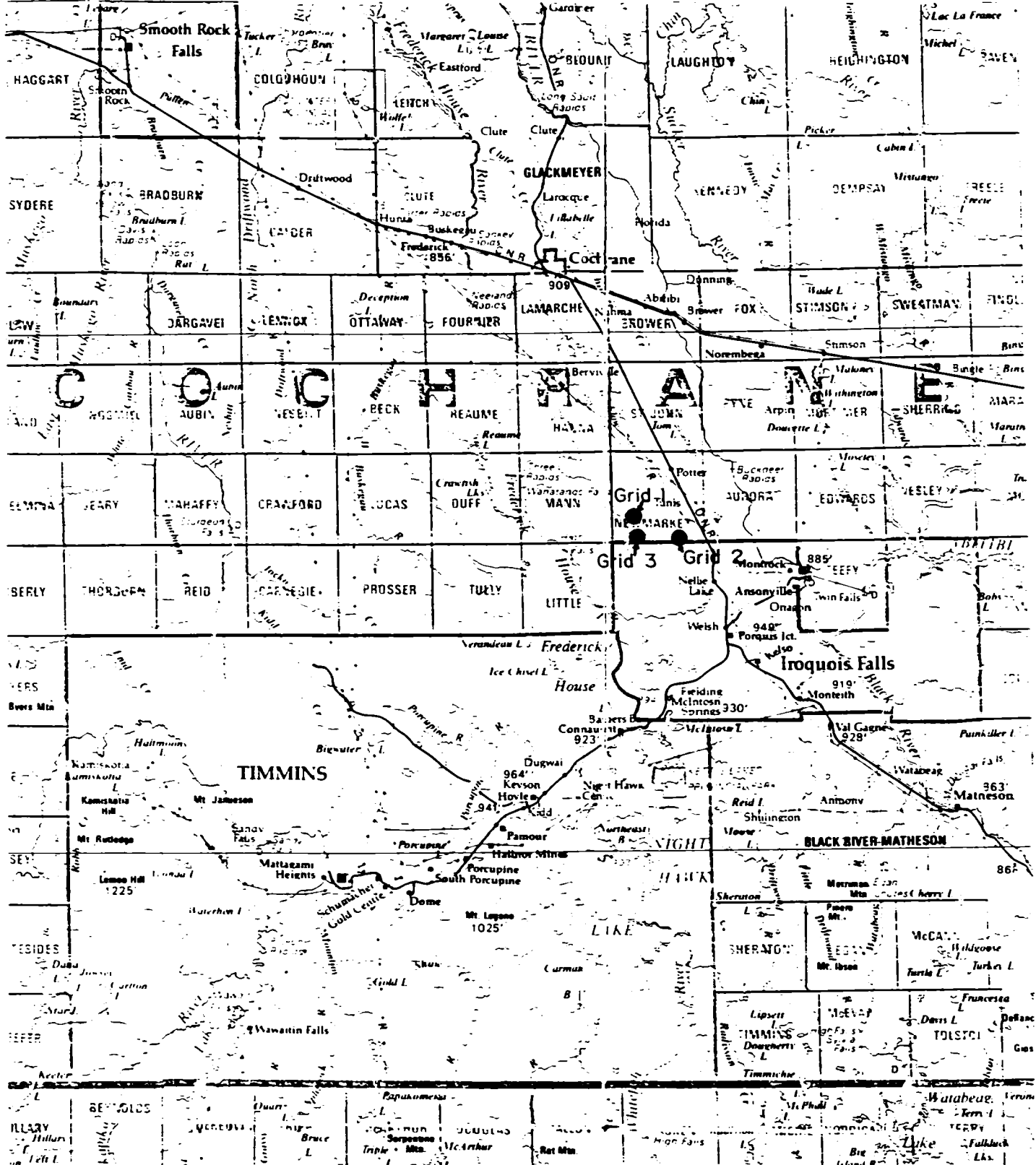
PERSONNEL

The crew directly responsible for collecting the field data were as follows:

Rob Mathieu.....Timmins, Ontario
Todd Mathieu.....Timmins, Ontario
Richard Mathieu.....Timmins, Ontario



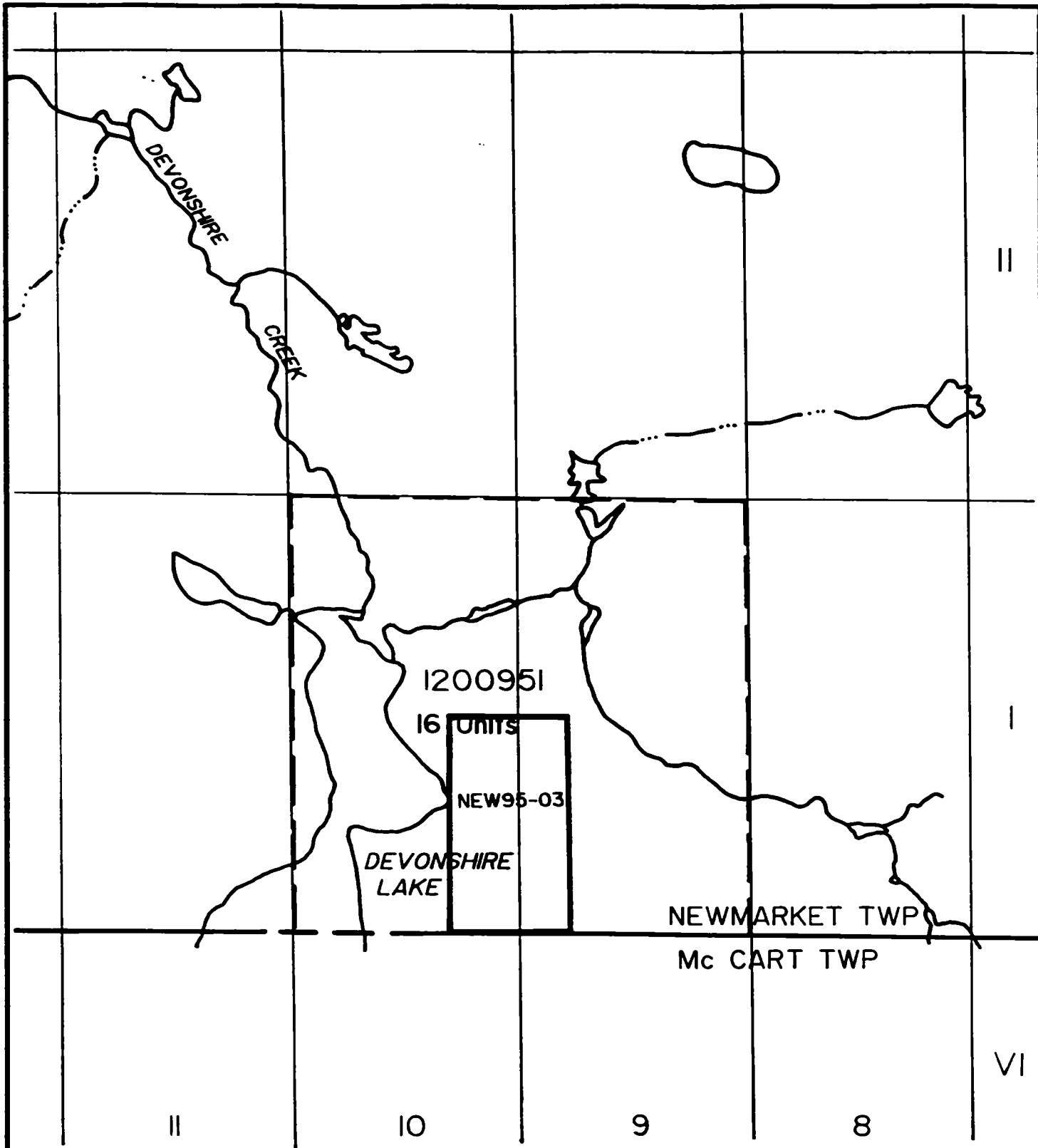
	EXSICS EXPLORATION LTD. P.O. Box 1000, P4M-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 705-267-4151	
	CLIENT: FALCONBRIDGE LIMITED	
PROPERTY: MANN BELT PN 8269		
TITLE: NEWMARKET TOWNSHIP LOCATION MAP		
Fig. 1		
Date: Aug. 1995	Scale: 1"=125miles	MNDM Plan#:
Drawn: P. Gauthier	Interp: J.C. Grant	Tab No. F-24



EXSICS EXPLORATION LTD.

P.O. Box 1800, P4N-7X1
 Suite 13, Hollinger Bldg, Timmins Ont.
 Telephone: 705-267-4511

CLIENT: FALCONBRIDGE LIMITED		
PROPERTY: MANN BELT PN 8269		
TITLE: NEWMARKET TOWNSHIP		
PROPERTY LOCATION		
Fig. 2		
Date: Aug. 1995	Scale: 1:600,000	MNDM Plan#: 22-6
Drawn:	Interp: J.C. Grant	Job No. E-124



EXSICS EXPLORATION LTD.
 P.O. Box 1000, P4M-7X1
 Suite 13, Hollinger Bldg, Timmins Ont.
 Telephone: 705-267-4511

CLIENT: FALCONBRIDGE LIMITED

PROPERTY: MANN BELT PN 8269

TITLE: NEWMARKET TOWNSHIP

CLAIM SKETCH GRID 3 Fig. 3

Date: Aug. 1995	Scale: 1:20,000	MNDM Plan#: G-3548
Drawn: P.Gauthier	Interp: J.C. Grant	Job No. E-124

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

GROUND PROGRAM

This program was a two phase project. The first phase consisted of establishing a detailed metric grid across a portion of the claim group using 5 lines spaced 100 meters apart which were turned off of a control line cut east along the southern boundary. All of the lines were cut 0800 meters north and were chained with 20 meter pickets which were metal tagged. A tie line was also cut across the northern ends of the grid lines for control. In all, a total of 4.8 kilometers of grid was established.

The second phase of the project was to complete a detailed magnetometer survey over all of the cut lines. This survey was done in conjunction with an HLEM survey which was read on the cross lines only. The magnetic survey was completed using the BRGM OMNI IV system and the HLEM survey was completed using the Apex Parametrics MaxMin II System. Secifications for these units can be found as Appendix A and B respectfully. The following parameters were kept constant throughout each survey.

MAGNETOMETER SURVEY

Linespacing.....	100 meters
Station spacing.....	20 meters
Diurnal Correction.....	Baseline looping
Reference field.....	58900 gammas
Datum Subtraction.....	57500 gammas
Unit accuracy.....	+ - 0.5 gammas

The corrected and levelled data was then plotted directly onto a mylar base map and then contoured at 10 gamma intervals where possible. A copy of this contour map is included in the back pocket of this report.

HLEM SURVEY

Linespacing..... 100 meters
Station spacing..... 20 meters
Coil seperation..... 150 meters
Theoretical search depth... 75-80 meters
Frequencies read..... 1777hz, 444hz
Parameters Measured..... inphase and quadrature
 componetnt of the secondary field
Unit accuracy..... +/- 0.5 %

The collected data was then plotted directly onto a mylar base map at a scale of 1:5000 and then profiled at 1cm to 20%. A seperate mylar base map was done for each frequency. Any and all conductor axis were placed directly onto the maps and interpreted were possible. Conductor depths and conductivities were placed directly on each axis. A copy of each profiled map is included in the back pocket of this report.

SURVEY RESULTS

Generaly the geophysical program was not successful in locating or outlining any major conductive zones across the survey area.

The magnetic survey confirmed the presence of an ultramafic unit which underlays the majority of the grid. The two magnetic lows outlined across the southern section of lines 100 and 200 meter east and the central section of 500 meter east may relate to a minor fault zone cross cutting the ultramafic unit or the presence of the mafic host rock.

CONCLUSIONS AND RECOMMENDATIONS

The ground surveys generally confirmed that the majority of the property is underlain by ultramafic rocks, possibly in contact with the mafics in the southwest corner of the grid and again in the central east section of the grid. The pinching of the ultramafic unit in the vicinity of lines 300 and 400 meters east between 200 and 300 meters north may be the result of minor cross structure such as a fault.

At this writing no further work is recommended unless geological mapping or gechemical surveys return encouraging results. In any event, if the property warrants further follow up then a deep EM system should be used.

Respectfully submitted

J.C. Grant

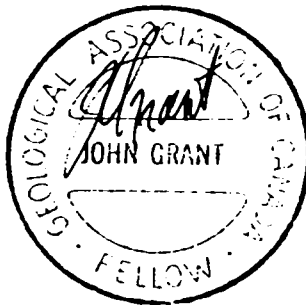
A handwritten signature in cursive script, appearing to read "J.C. Grant", written over the typed name.

CERTIFICATE

I, John C. Grant, hereby certify that:

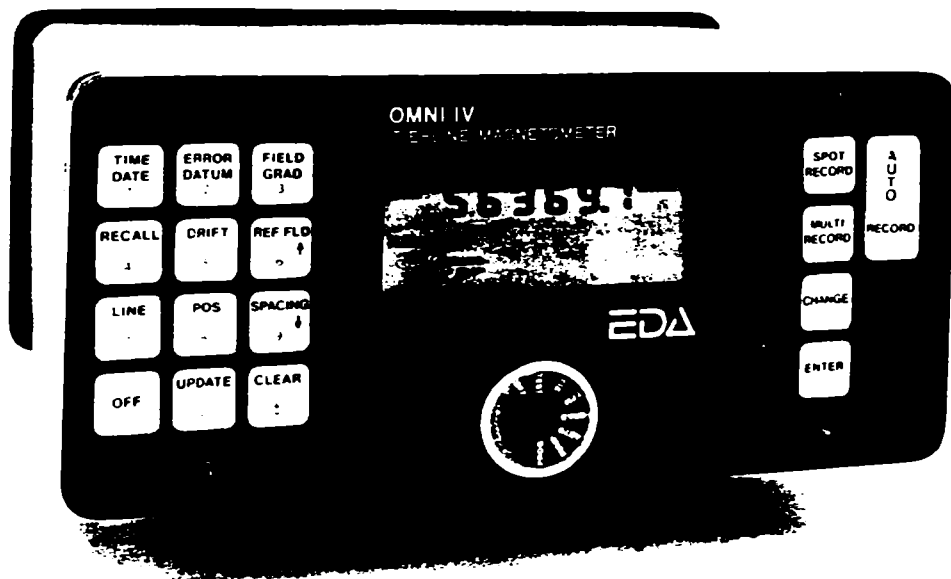
- 1) I am a graduate geophysicist (1975) of the three year program in Geological Technology at Cambrian College of Applied Arts and Technology, Sudbury, Campus. I have worked subsequently as an Exploration Geophysicist for Teck Exploration Limited (5 years), North Bay office, and as Exploration Manager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



- 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	± 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 $+55^{\circ}\text{C}$. 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°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

Five frequencies: 222, 444, 888, 1777 and 3555 Hz.

Maximum coupled (horizontal-loop) operation with reference cable.

Minimum coupled operation with reference cable.

Vertical-loop operation without reference cable.

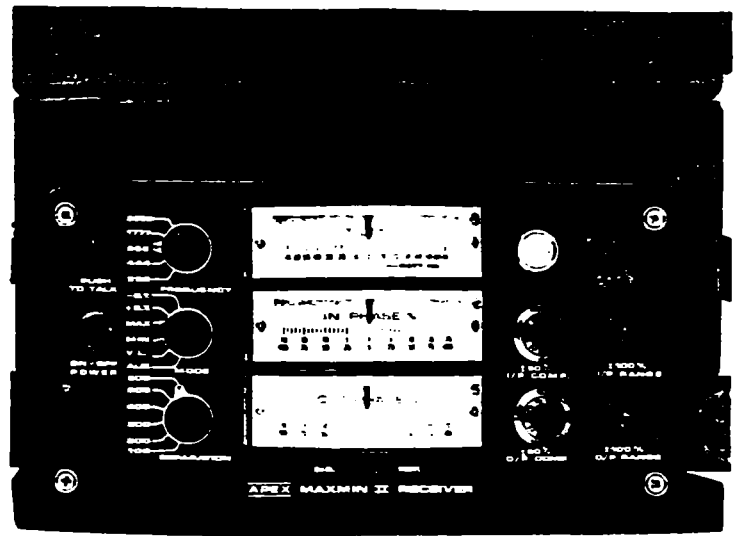
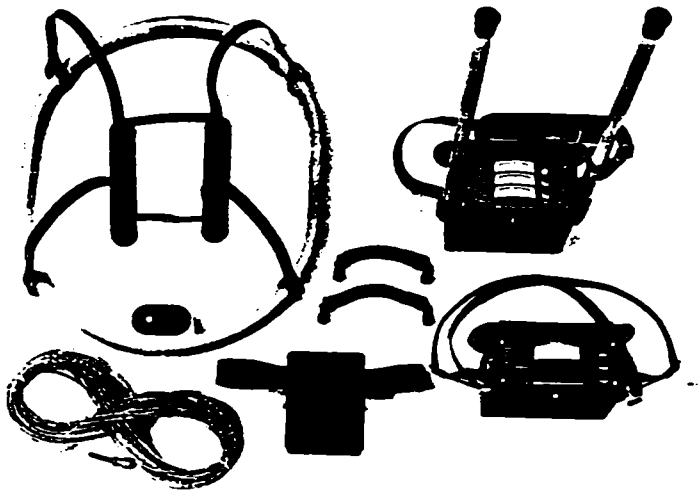
Coil separations: 25, 50, 100, 150, 200 and 250 m (with cable) or 100, 200, 300, 400, 600 and 800 ft.

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

Built-in voice communication circuitry with cable.

Tilt meters to control coil orientation.





222, 444, 888, 1777 and 3555 Hz.

MAX: Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with reference 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.

25, 50, 100, 150, 200 & 250m (MMII) or 100, 200, 300, 400, 600 and 800 ft. (MMIF).

Coil separations in V.L. mode not restricted to fixed values.

- In-Phase and Quadrature components of the secondary field in MAX and MIN modes.

- Tilt-angle of the total field in V.L. mode.

- 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.

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.

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

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

- 222Hz : 220 Atm²
- 444Hz : 200 Atm²
- 888Hz : 120 Atm²
- 1777Hz : 60 Atm²
- 3555Hz : 30 Atm²

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

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

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

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

Built-in signal and reference warning lights to indicate erroneous readings.

-40°C to +60°C (-40°F to +140°F).

6kg (13 lbs.)

13kg (29 lbs.)

Typically 60kg (135 lbs.), depending on quantities of reference cable and batteries included. Shipped in two field/shipping cases.

Specifications subject to change without notification

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

Phone: (416) 495-1612

Cables: APEXPARA TORONTO

Telex: 06-966773 NORDVIK TOR



Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W9560.00452

SEE PAGE 2.

2.16312

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, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 870-7284.

- 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 complete.
 - Technical reports and maps must accompany.
 - A sketch, showing the claims the work is assessed on.



42A15SW0033 2 16312 NEWMARKET

900

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No. 130679
Address 571 Moneta Ave. P.O. Box 1140 Timmins, Ont. P4N7H9		Telephone No. (705) 267-1188
Mining Division PORCUPINE	Township/Area Newmarket	M or G Plan No.
Dates Work Performed	From: September 23, 1995	To: September 29, 1995

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	Line cutting, Magnetic + HLEM Surveys
Physical Work, Including Drilling	Taking Air Photos + Spotting Grids
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	

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MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ 3170 3353

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.	Box 1880 Timmins, Ont. P4N7X1
Hillside Photo	66 Brousseau Ave. Timmins Ont. P4N5Y0
Radcliffe Airways	Box 790 South Porcupine Ont. P0N1H0

(attach a schedule if necessary)

Certification of Beneficial Interest (See Note No. 2 on reverse side)

I certify that at the time the work was performed, the recorded holder covered in this work report were recorded in the current holder's name and that I am a beneficial interest by the current recorded holder.	Date Oct 10 '95	Recorded Holder or Agent (Signature) <i>Paul Nagerl</i>
---	---------------------------	--

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 PAUL NAGERL 571 Moneta Ave. Timmins, Ont.		
Telephone No. (705) 267-1188	Date Oct 10 '95	Certified By (Signature) <i>Paul Nagerl</i>

For Office Use Only

Total Value Cr. Recorded 3170 #3353	Date Recorded	Mining Recorder <i>updated</i> <i>Gary White</i>	Received Stamp OCT 11 1995 @K-Jean (c) CC PORCUPINE MINING DIVISION
	Deemed Approval Date <i>Jan 9/96</i>	Date Approved	
	Date Notice for Amendments Sent		



Report of Work Conducted After Recording Claim

Mining Act

NEW 75-23 PAGE 2.
Transaction Number
W9560.00452

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, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

- Instructions:
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining 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 P.O. Box 1140, 571 MONETA AVE. TIMMINS, ONTARIO P4N 7H9		Telephone No. (705) 267-1188
Mining Division PORCUPINE	Township/Area NEWMARKET	M or G Plan No.
Dates Work Performed From: September 23, 1995		To: September 29, 1995

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	LINECUTTING, MAGNETIC + HLEM SURVEYS
<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	

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MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ 183 (PART OF \$3353 TOTAL)

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 EXPL. LTD.	Box 1880, TIMMINS, ON P4N 7X1

(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 work 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 Nov. 28/95	Recorded Holder or Agent (Signature) <i>Christine Petz</i>
---	---------------------------	---

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 CHRISTINE PETZ P.O. Box 1140, 571 MONETA AVE. TIMMINS, ONTARIO P4N 7H9		
Telephone No. (705) 267-1188	Date NOVEMBER 28, 1995	Certified By (Signature) <i>Christine Petz</i>

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder
	Deemed Approval Date	Date Approved
	Date Notice for Amendments Sent	

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NOV 30 1995
PORCUPINE MINING DIVISION



Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

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^e 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	200.00	200.00
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type		
	Exsics Expl.	2638.25	
	Hillside Photo	8000	
	Rodcliffe	25200	2970.25
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			3170

2. Indirect Costs/Coûts indirects

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

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

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

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

Remises pour dépôt

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- 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.

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

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

Certification Verifying Statement of Costs

Attestation de l'état des coûts

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.

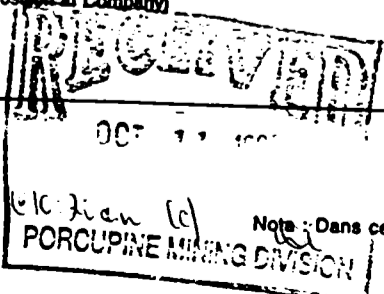
J'atteste par la présente: que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

that as _____ I am authorized (Recorded Holder, Agent, Position in Company)

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

to make this certification

à faire cette attestation.



Signature: Paul Noyel Date: Oct 10 '95



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.

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1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type EXSICS EXPL	183.40	
			183
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			183

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	DEC 20 1995		
Mobilization and Demobilization Mobilisation et démobilisation	MINING LANDS		
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)			183

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 Credit
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.

Total Value of Assessment Credit	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 CHRISTINE PETCH 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 <u>Christine Petch</u>	Date Nov. 28/95
-------------------------------------	--------------------

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

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

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

December 21, 1995

Our File: 2.16312
Transaction #: W9560.00452

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

Dear Sir:

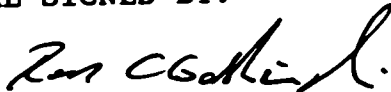
**Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIM
P.1200951 IN NEWMARKET TOWNSHIP**

Assessment work credits have been approved as outlined on the original submission. The credits have been approved under Section 14, Geophysics (Mag, EM), Mining Act Regulations.


The approval date is December 21, 1995.

If you have any questions regarding this correspondence, please contact Lucille Jerome at (705) 670-5858.

Yours Sincerely,
ORIGINAL SIGNED BY:

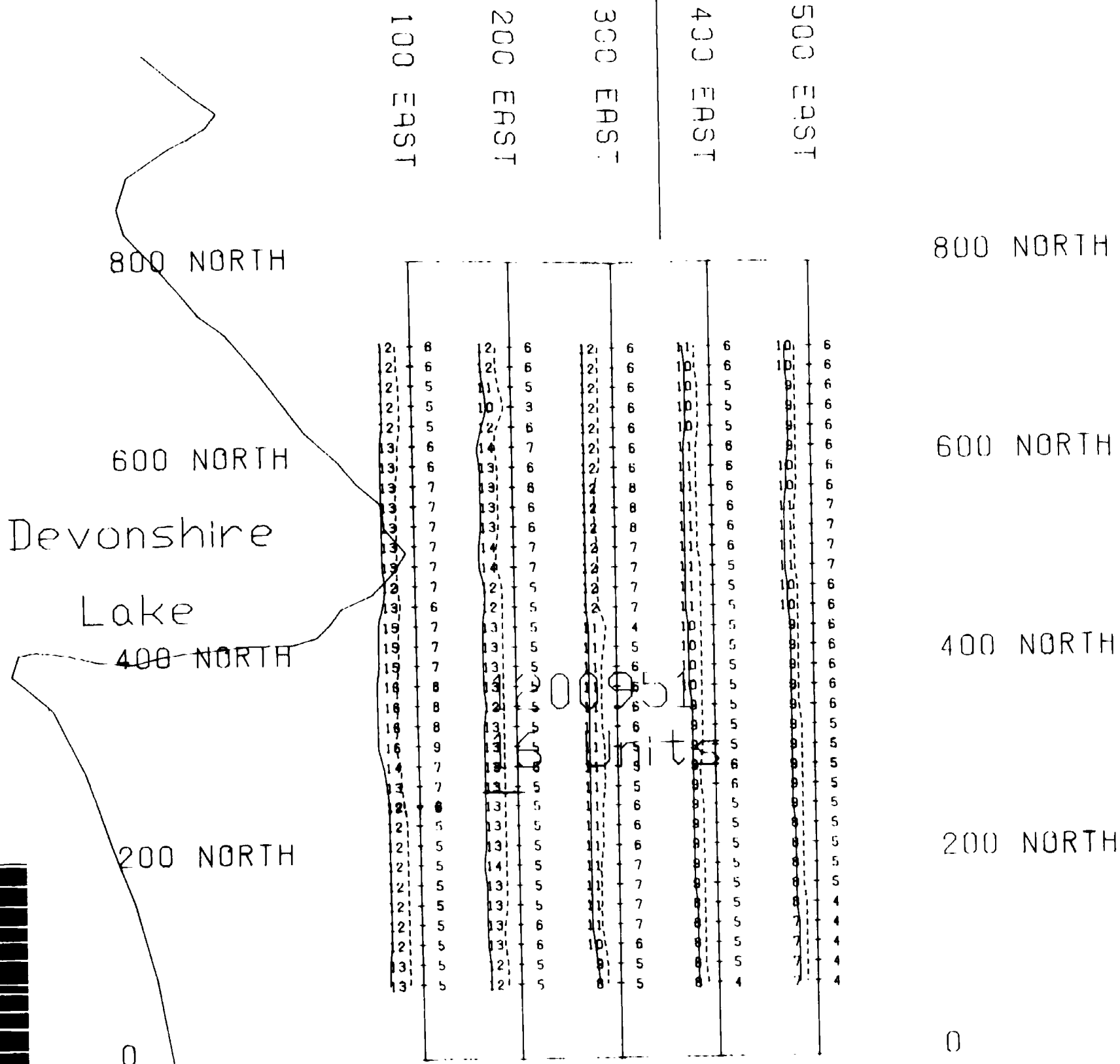


Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

 LJ/jl
Enclosure:

cc: Resident Geologist
Timmins, Ontario

 Assessment Files Library
Sudbury, Ontario

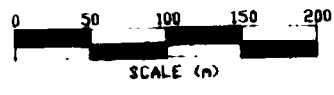
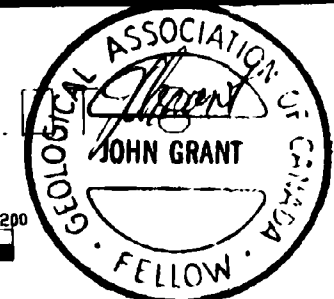


Devonshire Lake

16312

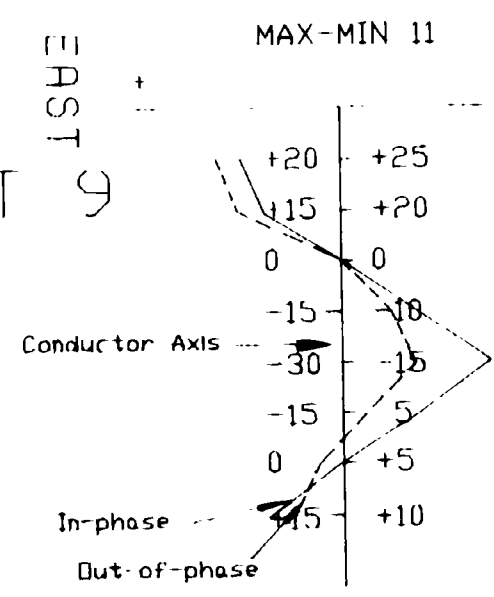
RECEIVED
DEC 20 1995
MINING LANDS BRANCH

NEWMARKET TWP
Mc CART TWP



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

LOT 5
 500 EAST
 400 EAST
 300 EAST
 200 EAST
 100 EAST



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: NEWMARKET TWP NEW95-03
MAX-MIN II 444 Hz
 Date: Sept. 1995 Scale: 1:5000 NTS:
 Drawn: P. Gauthier Interp: J.C. Grant Job No. E-12

100 EAST
200 EAST
300 EAST
400 EAST
500 EAST

800 NORTH
600 NORTH
Devonshire
Lake
400 NORTH
200 NORTH

28	-26	30	-27	30	-28	30	-25	31	-25
28	-27	30	-28	30	-28	29	-26	30	-25
28	-30	29	-30	30	-27	28	-27	28	-25
28	-31	29	-30	30	-27	28	-27	28	-25
28	-31	30	-30	30	-27	31	-26	29	-25
32	-28	38	-24	30	-28	32	-26	29	-25
30	-27	33	-27	32	-28	32	-26	30	-25
30	-25	30	-28	35	-25	32	-28	30	-25
30	-25	30	-28	33	-25	32	-25	32	-23
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31	-24	35	-25	32	-25	33	-25	33	-23
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24	-28	31	-24	32	-8	28	-21	24	-22
24	-28	31	-24	31	-20	28	-20	24	-22
28	-26	28	-25	28	-20	28	-20	24	-20
28	-27	30	-25	25	-22	25	-23	24	-20

800 NORTH
600 NORTH
400 NORTH
200 NORTH

CON
I

2.16312

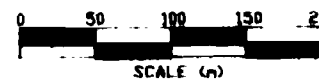
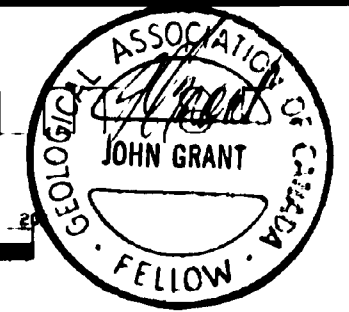
RECEIVED

DEC 20 1995

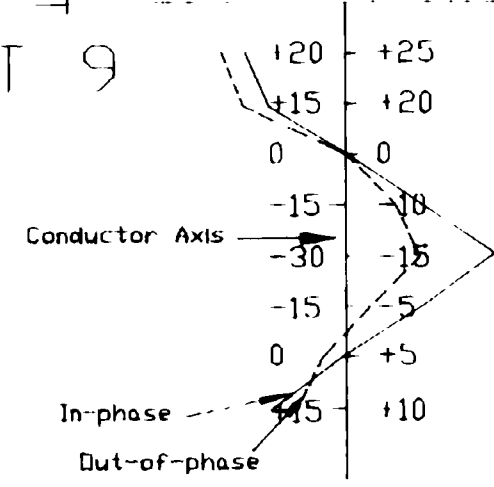
MINING LANDS BRANCH

NEWMARKET TWP

Mc CART TWP



MAX-MIN 11



LOT 10

LOT 6

100 EAST
200 EAST
300 EAST
400 EAST
500 EAST

LEGEND

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

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

CLIENT: **FALCONBRIDGE LIMITED**
 PROPERTY: **MANN BELT PN# 8269**
 TITLE: **NEWMARKET TWP NEW95-03**
MAX-MIN II 1777 Hz

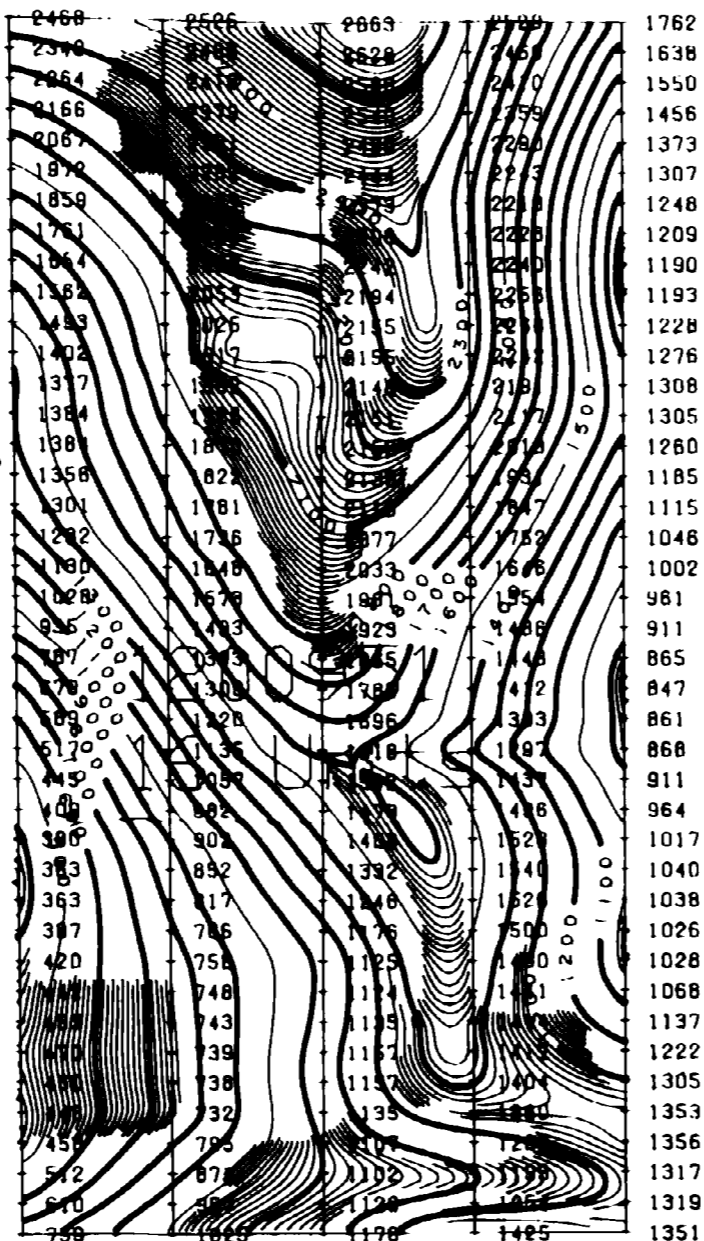
Date: **Sept. 1995** | Scale: **1:5000** | NTS:
 Drawn: **P.Gauthier** | Interp: **J.C.Grant** | Job No: **E-124**

42AT15W0033 2.16312 NEWMARKET

220

100 EAST
200 EAST
300 EAST
400 EAST
500 EAST

800 NORTH
600 NORTH
Devonshire
Lake
400 NORTH



800 NORTH

600 NORTH

400 NORTH

200 NORTH

0

CON
I

2. 163 12

RECEIVED

DEC 20 1995

MINING LANDS BRANCH

200 NORTH

0

NEWMARKET TWP

Mc CART TWP

100 EAST
200 EAST
300 EAST
400 EAST
500 EAST

LOT 10

LOT 9



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: 58,900 gammas
 Datum Subtracted: 57,500 gammas



230



EXSICS EXPLORATION LTD.

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

CLIENT: FALCONBRIDGE LIMITED
PROPERTY: MANN BELT PN# 8269

TITLE: NEWMARKET TWP NEW95-03

MAGNETOMETER SURVEY

Date: Sept. 1995 Scale: 1:5000 NTS:
Drawn: P.Gauthier Interp: J.C. Grant Job No: E-124