



42A14NE0033 2 16641 HANNA

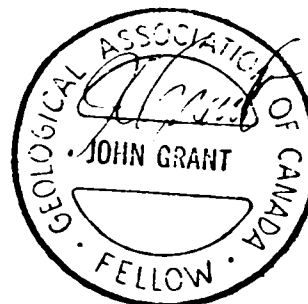
010

GEOPHYSICAL REPORT
FOR
FALCONBRIDGE LIMITED
ON THE
MANN BELT
GRID #HAN96-02
HANNA TOWNSHIP, PORCUPINE MINING DIVISION
NORTHEASTERN ONTARIO



2.16641

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



RECEIVED MAN 10 1996



42A14NE0033 2 16641 HANNA

010C

TABLE OF CONTENTS

	PAGE
INTRODUCTION.....	1
PROPERTY LOCATION AND ACCESS.....	1
CLAIM GROUP.....	1
PERSONNEL.....	2
LINECUTTING PROGRAM.....	2
GEOPHYSICAL PROGRAM.....	2,3
SURVEY RESULTS.....	3,4
CONCLUSIONS AND RECOMMENDATIONS.....	4
CERTIFICATE	
APPENDICIES: A: BRGM OMNI IV SYSTEM SPECIFICATIONS	
B: APEX PARAMETRICS, MAXMIN 11 SYSTEM	
LIST OF FIGURES: FIGURE 1, LOCATION MAP	
FIGURE 2, PROPERTY LOCATION MAP	
FIGURE 3, CLAIM MAP	
POCKET MAPS: CONTOURED MAGNETIC MAP	
MAXMIN 444HZ PROFILE MAP	
MAXMIN 1777HZ PROFILE MAP	

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 Hanna Township, Grid #Han96-02, of the Porcupine Mining Division in Northeastern Ontario. Figure 1 and 2.

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

The linecutting of the grid began on January 15th, 1996 and was completed on January 30th, 1996. The geophysics was started on the 4th of March and was completed on the 7th of March, 1996. In all, a total of 12.5 kilometers of grid lines were established on the claim group.

PROPERTY LOCATION AND ACCESS

Grid, Han96-02, is located in the southwest section of Hanna Township such that the grid strattles the Reaume and Hanna Township line. The Fredrick House River is situated approximately 2 kilometers to the east of the grid. The entire grid is located approximately 32 kilometers northwest of the Town of Iroquois Falls. Figures 1 and 2.

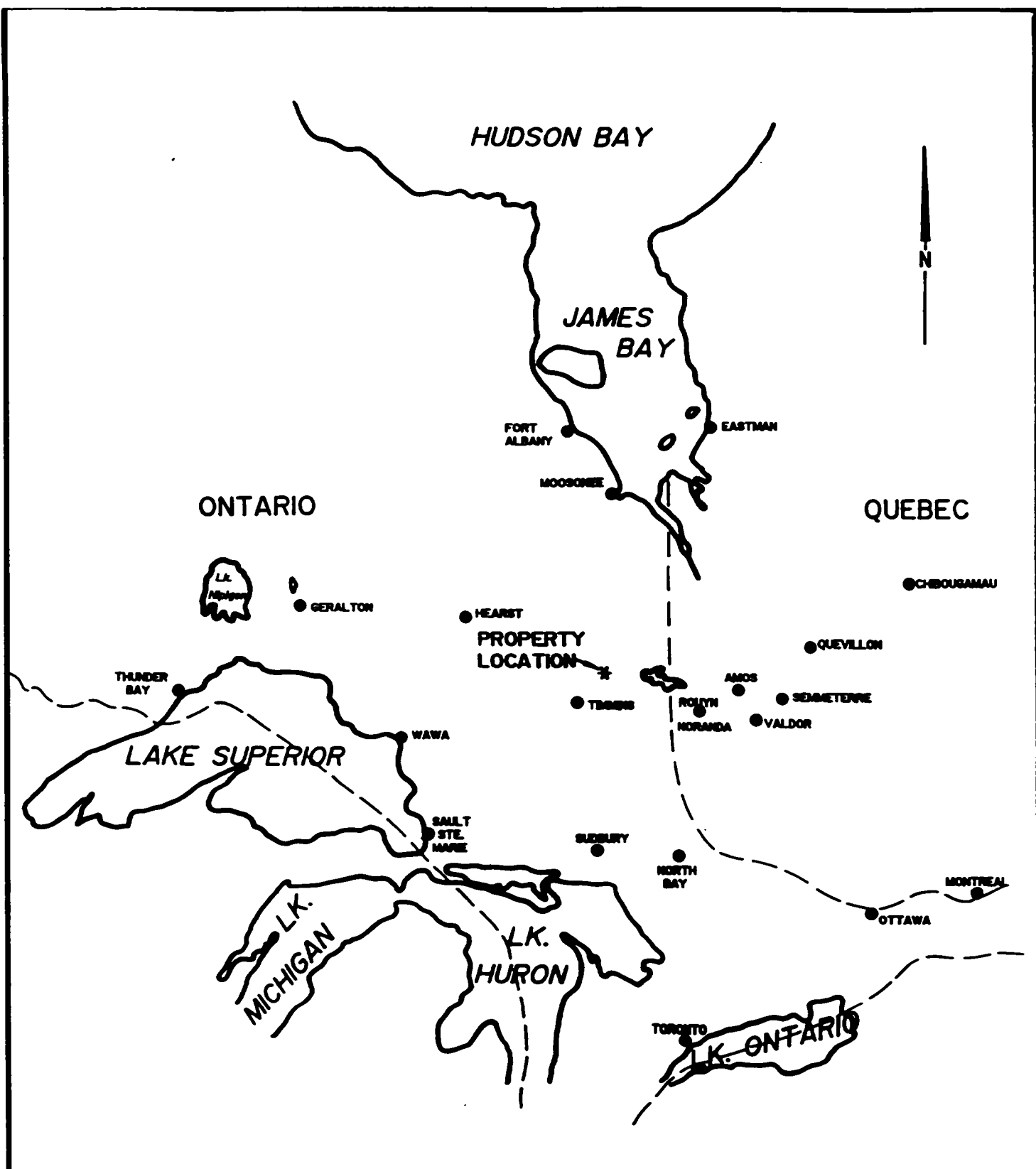
Access to the grid during the survey period was ideal. Falconbridge Limited has plowed open a road which follows the concession line between Concession V and V of Mann Township. This road is opened to the Bridge across the Fredrick House River. A second plowed road was then opened north after the bridge crossing and provides drivable access to the south of the grid. A short skidoo ride from this point will access the south section of the grid. Travelling time from Timmins to the grid is approximately 1.8 hours.


CLAIM GROUP

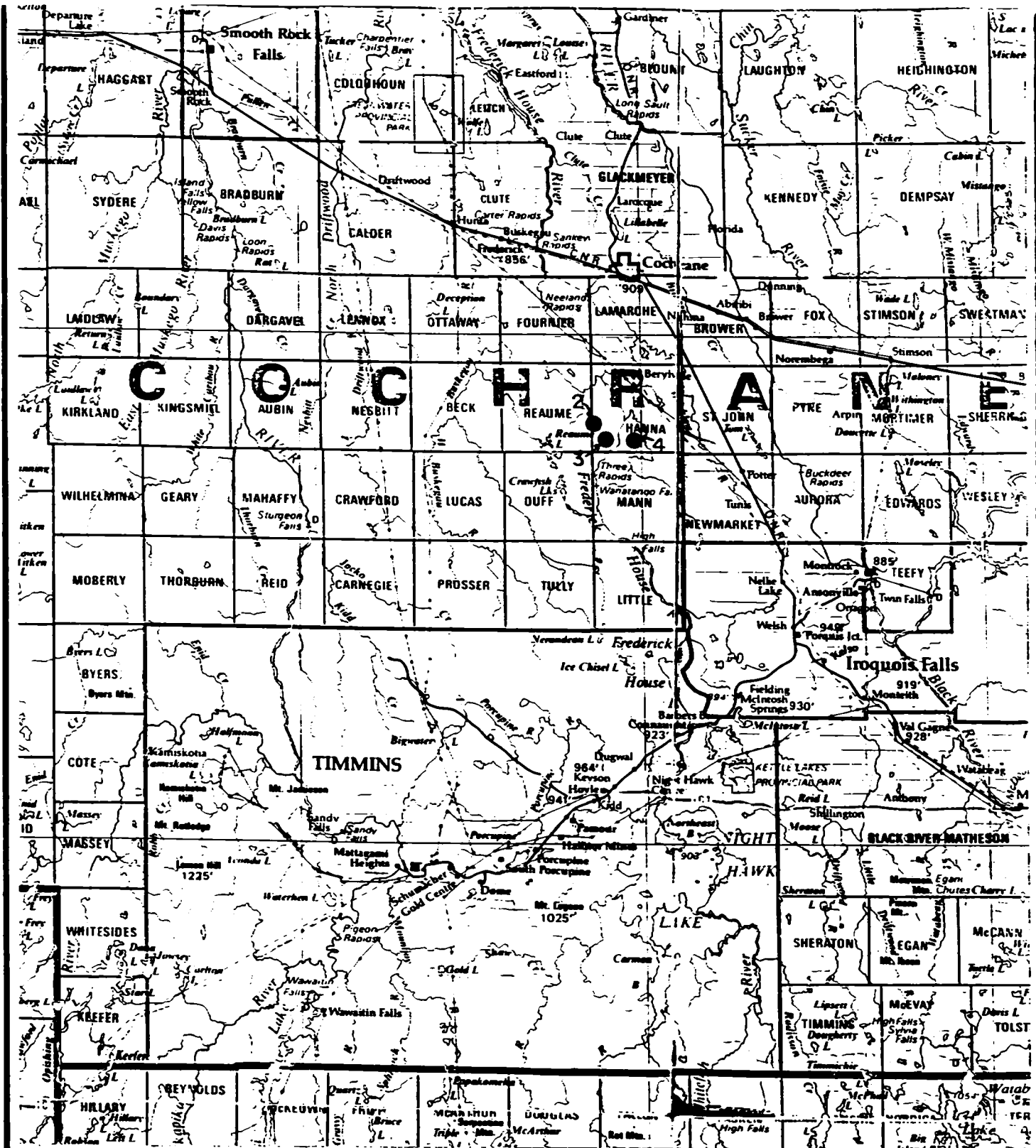
The claim numbers which were partially covered by the grid are as follows.

P-1201960	16 units
-----------	----------

Refer to figure 3, copied from the MNDM Plan map #G-3507, of Hanna Township, scale 1:20,000.



	EXSICS EXPLORATION LTD. P.O. Box 1888, P4M-7X1 Suite 11, Millinger Bldg, Timmins Ont. Telephone: 705-267-4551		
	CLIENT: FALCONBRIDGE LIMITED		
PROPERTY: MANN BELT PN 8269			
TITLE: HANNA TWP LOCATION MAP			
Fig. 1			
Date: Feb. 1996	Scale: 1"=25miles	MNDM Plan#:	
Drawn: P. Gauthier	Interp: J.C. Grant	Job NoE-146	



EXSICS EXPLORATION LTD.

P.O. Box 1000, P40-7X1
 Suite 13, Hollinger Bldg, Timmins Ont.
 Telephone: 705-267-4511

CLIENT: FALCONBRIDGE LIMITED

PROPERTY: MANN BELT PN 8269

TITLE: HANNA TWP

PROPERTY LOCATION

Fig. 2

Date: Feb. 1996

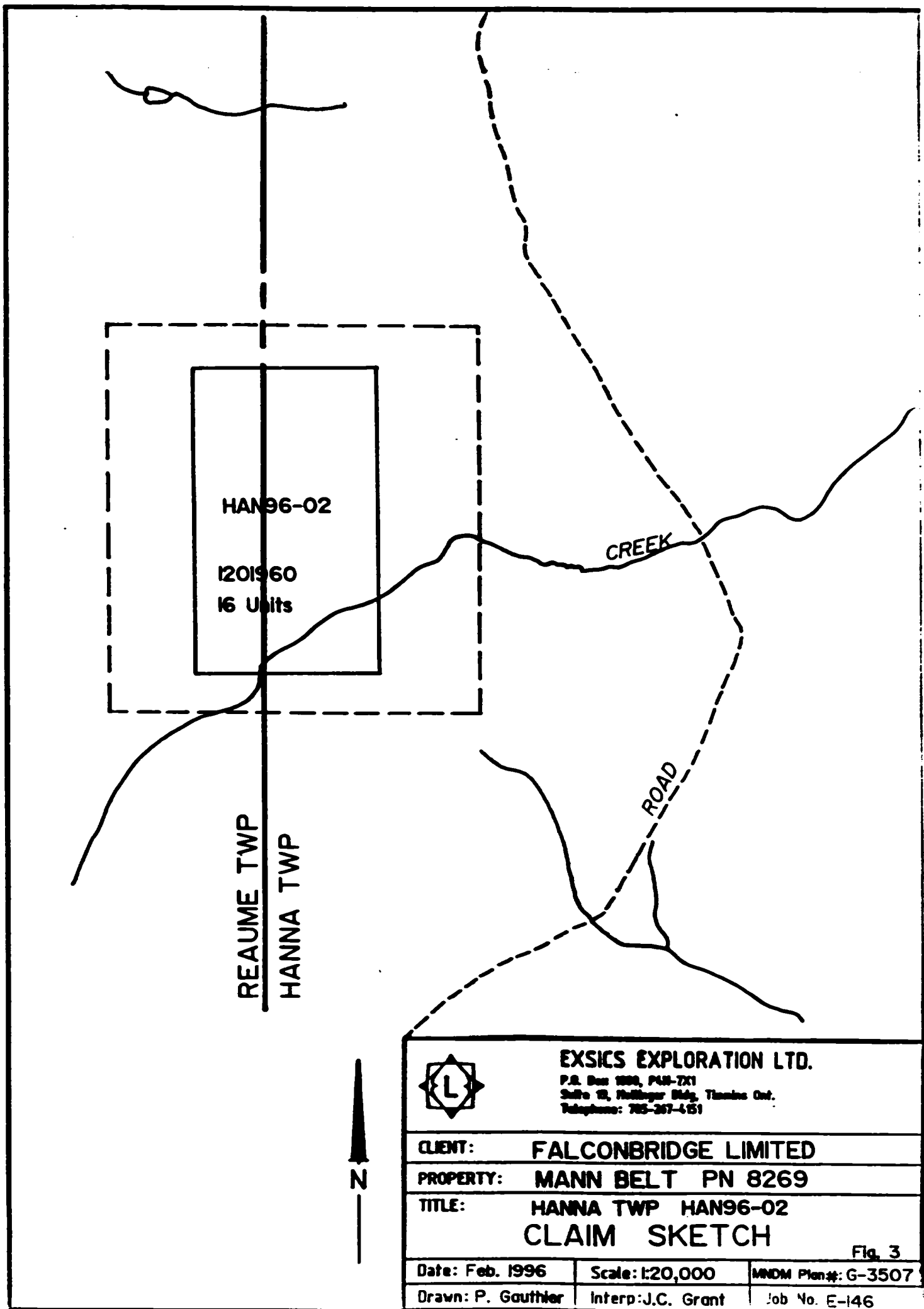
Scale: 1:600,000

MNDM Plan#: 22-6

Drawn: P. Gauthier

Interp: J.C. Grant

Job No. E-146



EXSICS EXPLORATION LTD.

P.O. Box 1000, P4S-7X1
 Suite 12, Millinger Bldg, Timmins Ont.
 Telephone: 705-267-4651

CLIENT: FALCONBRIDGE LIMITED

PROPERTY: MANN BELT PN 8269

**TITLE: HANNA TWP HAN96-02
 CLAIM SKETCH**

Fig. 3

Date: Feb. 1996

Scale: 1:20,000

MNDM Plan#: G-3507

Drawn: P. Gauthier

Interp: J.C. Grant

Job No. E-146

PERSONNEL

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

Robin Mathieu.....Timmins, Ontario
 Todd Mathieu.....Timmins, Ontario
 Richard 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 starting point which had been located earlier by Falconbridge personnel. The baseline was cut at 270 degrees from line 400ME to 300MW and line 0+00 represents the township line. The lines were chained from the baseline to tieline 1300MS which represents the south boundary of the grid. A tieline 700MS was also cut to control these cross lines. All of the cut lines were chained with 25 meter pickets. In all, a total of 12.5 kilometers were cut and chained.

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 5 gamma intervals where possible. A copy of this base map is included in the back pocket of this report.

HLEM SURVEY:

The following parameters were kept constant throughout the survey.

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

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

SURVEY RESULTS

The geophysical surveys were successful in locating and outlining several conductive zones on the grid. Each of the zones has been labelled and will be discussed seperately and in detail.

ZONE A:

This zone represents the most predominant feature on the grid. It appears to relate to a good bedrock conductor situated at a depth of 55 to 65 meters and with a conductivity of 7 to 38 mhos. The magnetic survey suggest the zone has a magnetic low association and that it appears to have been cross cut by two structures. One north-south structure appears to parallel line 100ME and interrupts the strike of the zone. There seems to be a second northwest-southeast structure striking across lines 400ME to 100MW which appears to have been faulted off on it's northwest extension by a weak mag low paralleling line 100MW possibly suggesting a minor fault structure. The best portion of the zone strikes across lines 100ME to 400ME and continues off of the grid to the east.

ZONE B:

This zone represents a single line response situated on line 100MW at 775MS. It may relate to a bedrock conductor situated at a depth of 63 meters and with moderate conductivity of 5 mhos. The magnetics show a moderate low association with the target and also suggest the zone is situated at the junction of the northwest cross structure and suspected north-south fault zone. The zone in fact, may relate to these two structures.

ZONE C:

This zone strikes across the north ends of lines 200ME to 400ME and appears to continue off of the grid to the east. At this writing it is a questionable zone due to the lack of northern coverage. The magnetic surveys outlined a north-south structure again paralleling line 400ME suggesting a dike like feature. The zone appears to strike across this structure.

The remaining conductive zones are situated on lines 300MW and 200MW and may extend as far as the weak zone on line 0+00. Again at this writing, the zone are weak and questionable. The western extension of the zone has a weak magnetic high association and a spot weak high value on it's eastern tip.

CONCLUSIONS AND RECOMMENDATIONS

The surveys were successful in locating and outlining one good strong bedrock conductor which should be followed up by drilling. The magnetic survey would suggest the grid has been cross cut by two dike like or fault related zones. Both of these cross structures appear to have interrupted or distorted the strike of the conductive zones.

Should drilling of the main A zone return encouraging results, then the remaining targets should be considered for further follow-up work. This follow-up program should include the reading of the east west tie lines and baseline in the event the cross structures noted on the magnetics, are conductive. Zone B would suggest they may be.

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.

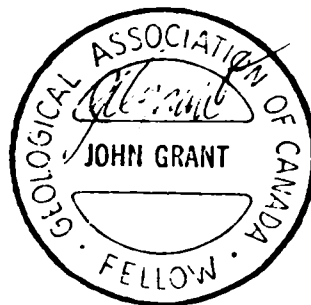
2) I am a Member of the Certified Engineering Technologist Association since 1984.

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	± 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
Profile-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
Counting 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 25222 EDA TOR
Cable: Instruments Toronto
(416) 425 7800

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

Printed in Canada

APPENDIX B

APEX

**MAXMIN II
PORTABLE EM**

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

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

Minimum coupled operation with reference cable.

Vertical-loop operation without reference cable.

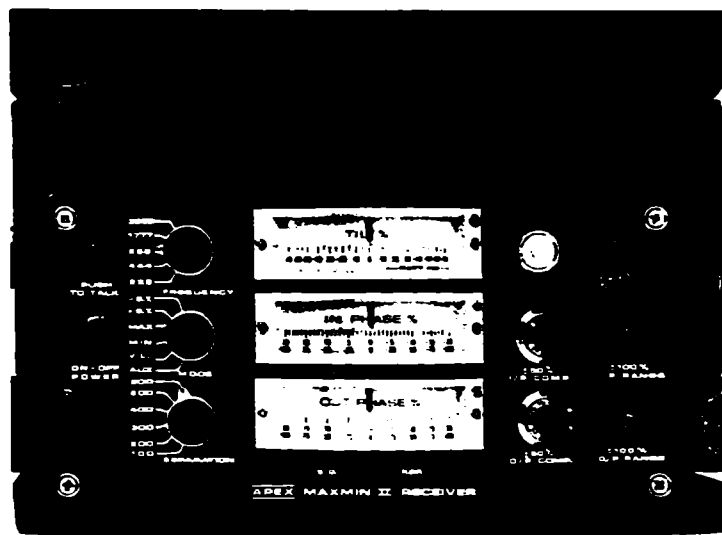
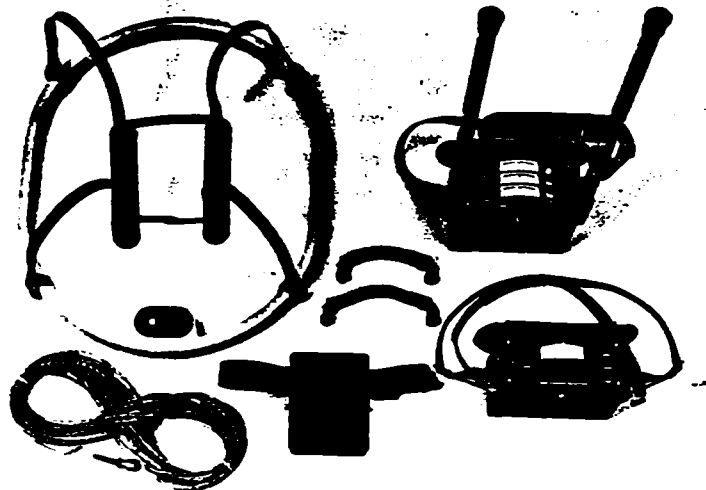
**Coil separations: 25, 50, 100, 150, 200 and 250 m
(with cable) or 100, 200, 300, 400, 600 and 800 ft.**

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

Built-in voice communication circuitry with cable.

Tilt meters to control coil orientation.





FEATURES

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.

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

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

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

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

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

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

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

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

Intercom: 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).

Receiver Weight: 6kg (13 lbs.)

Transmitter Weight: 13kg (29 lbs.)

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

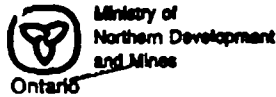
Specifications subject to change without notification.

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

Phone: (416) 495-1612

Cables: APEXPARA TORONTO

Telex: 06-966773 NORDVIK TOR



Report of Work Conducted After Recording Claim

Mining Act

GR10 HANNA 02

Transaction Number

W 9660 00298

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, 188 Cedar Street, Sudbury, Ontario.

Instructions:



42A14NE0033 2 16641 HANNA

900

or consult the Mining

2.16641

Recorded Holder(s) FALCONBRIDGE LIMITED		Claim No. 130679
Address 571 Moneta Ave. P.O. Box 1140 Timmins, Ont P4N 7H9		Telephone No. (705) 267-1188
Mining Division Porcupine	Township HANNA	M or G Plan No.
Date Work Performed From JANUARY 15, 1996	To MARCH 7, 1996	

Work Performed (Check One Work Group Only)

Work Group	Type
Geotechnical Survey	Linecutting 12.5 km, Mag 12.5 km, HLEM 104 km
Physical Work, including Drilling	
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 7469

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 90 days of a request for verification.

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

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

(attach a schedule if necessary)

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

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

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 PETAT 571 Moneta Ave. P.O. Box 1140 Timmins Ont. P4N 7H9		
Telephone No. (705) 267-1188	Date April 12/96	Certified By (Signature) C. Petat

For Office Use Only

Total Value Cr. Recorded 7469	Date Recorded July 24/96	Mining Recorder Not Done Ray White	Received Stamp RECEIVED (C) APR 25 1996
	Deemed Approval Date July 24/96	Date Approved July 24/96	



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	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	3544	Invoice # 403, 407
	HLEM	3117	
	Mag		6661
Supplies Used Fournitures utilisées	Type Flagging	10	
	Picket tags	48	
			58
Equipment Rental Location de matériel	Type Truck	100	
	Snow mobile	50	
Total Direct Costs Total des coûts directs			150 7469

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		
RECEIVED			
JUL 5 1996			
Food and Lodging Nourriture et hébergement	MINING LANDS BRANCH		
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)			Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)
			7469

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. T. H. I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

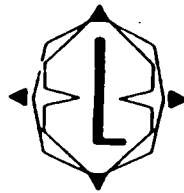
Attestation de l'état des coûts

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. P. T. H. Date: April 12/96



EXSICS EXPLORATION LIMITED
CONTRACTING & CONSULTING GEOPHYSICS

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

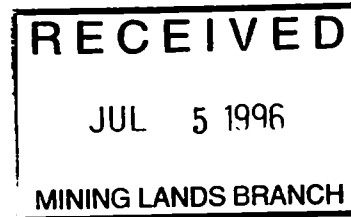
P.O. Box 1880
Timmins, Ontario P4N7X1

2.16641

INVOICE #: 403
PROJECT #: E-146

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

Attention: Paul Negerl



G.S.T. REGISTRATION # 113433791

RE: Linecutting on grids in Hanna, 96-02, 96-03, 96-04

AT A RATE OF:

96-02, 12.5 kilometers @ \$265.00/km.....	\$3312.50
96-03, 20.5 kilometers @ \$265.00/km.....	\$5432.50
96-04, 12.8 kilometers @ \$265.00/km.....	\$3392.00
sub-total.....	\$12137.00
7% GST.....	\$ 849.59
sub-total.....	\$12986.59
5 boxes of tags, PST, GST Incl.....	\$ 207.00

TOTAL OF THIS INVOICE: \$13193.59

DATE: February 7, 1996

SIGNED: _____

Feb 9 '96 \$269

RECEIVED FEB 09 1996

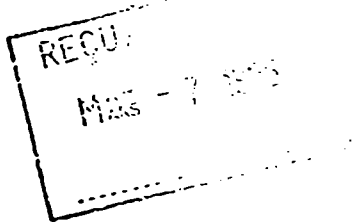
PAYMENT DUE UPON RECEIPT OF INVOICE.
TERMS: NET 30, 2% INTEREST PER MONTH ON OVERDUE ACCOUNTS.



EXSICS EXPLORATION LIMITED
CONTRACTING & CONSULTING GEOPHYSICS

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

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



2-166-1

INVOICE #: 407
PROJECT #: E-146

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



ATTENTION: Paul Nagerl

G.S.T. REGISTRATION # 113433791

RE: Max Min and Magnetic Survey on Hanna Han 96-02, 96-03

AT A RATE OF:

96-02	
10.4 Km of Max Min @ \$160.00/Km	\$1,664.00
12.5 Km of Magnetic @ \$100.00/Km	\$1,250.00
	\$2,914.00
7% GST	\$ 203.98
	<u>\$3,117.98</u>
96-03	
16.0 Km of Max Min @ \$160.00	\$2,560.00
20.5 Km of Magnetics @ \$100/Km	\$2,050.00
	\$4,610.00
7% GST	\$ 322.70
	<u>\$4,932.70</u>
TOTAL OF THIS INVOICE:	<u>\$8,050.68</u>

DATE: February 14, 1996

SIGNED

Karen Talon

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: 2.16641
Transaction #: W9660.00298

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

Dear Mr. White:

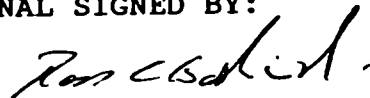
**SUBJECT: APPROVAL OF ASSESSMENT WORK CREDIT ON MINING LAND,
CLAIM P.1201960 IN HANNA TOWNSHIP**

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 18, 1996.

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
Mines and Minerals Division

 LBJ/jf

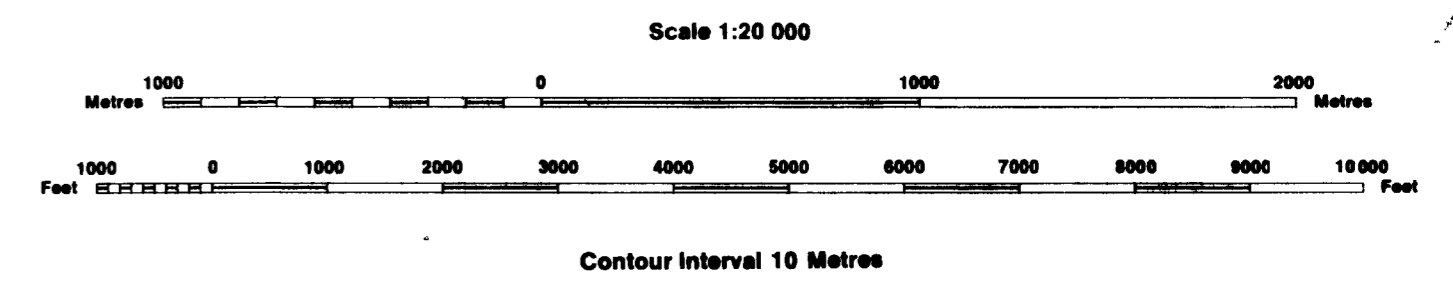
cc: Resident Geologist
Timmins, Ontario

✓ Assessment Files Library
Sudbury, Ontario

INDEX TO LAND DISPOSITION

PLAN
 G-3507
 TOWNSHIP
HANNA

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



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

SYMBOLS

Description	Order No.	Date	Disposition	File
Boundary				
Township, Meridian, Baseline				
Road allowance; surveyed				
road allowance; shoreline				
Lot/Concession; surveyed				
unsurveyed				
Parcel; surveyed				
unsurveyed				
Right-of-way; road				
railway				
utility				
Reservation				
Cliff, Pt. Pile				
Contour				
Interpolated				
Approximate				
Depression				
Control point (horizontal)				
Flooded land				
Mine head frame				
Pipeline (above ground)				
Railway; single track				
double track				
abandoned				
Road, highway, county, township				
access				
trail, bush				
Shoreline (original)				
Transmission line				
Wooded area				

AREAS WITHDRAWN FROM DISPOSITION

Description	Order No.	Date	Disposition	File
MRO - Mining Rights Only				
SRO - Surface Rights Only				
M+S - Mining and Surface Rights				
R ₃ S.R.O. W-01/91/ONT				
TRANS CANADA PIPELINE RIGHT OF WAY AND BUFFER ZONE PARTICULARLY 40.25 METERS OR 132 FT. ON EITHER SIDE OF CENTER LINE OF RIGHT OF WAY				

NOTES

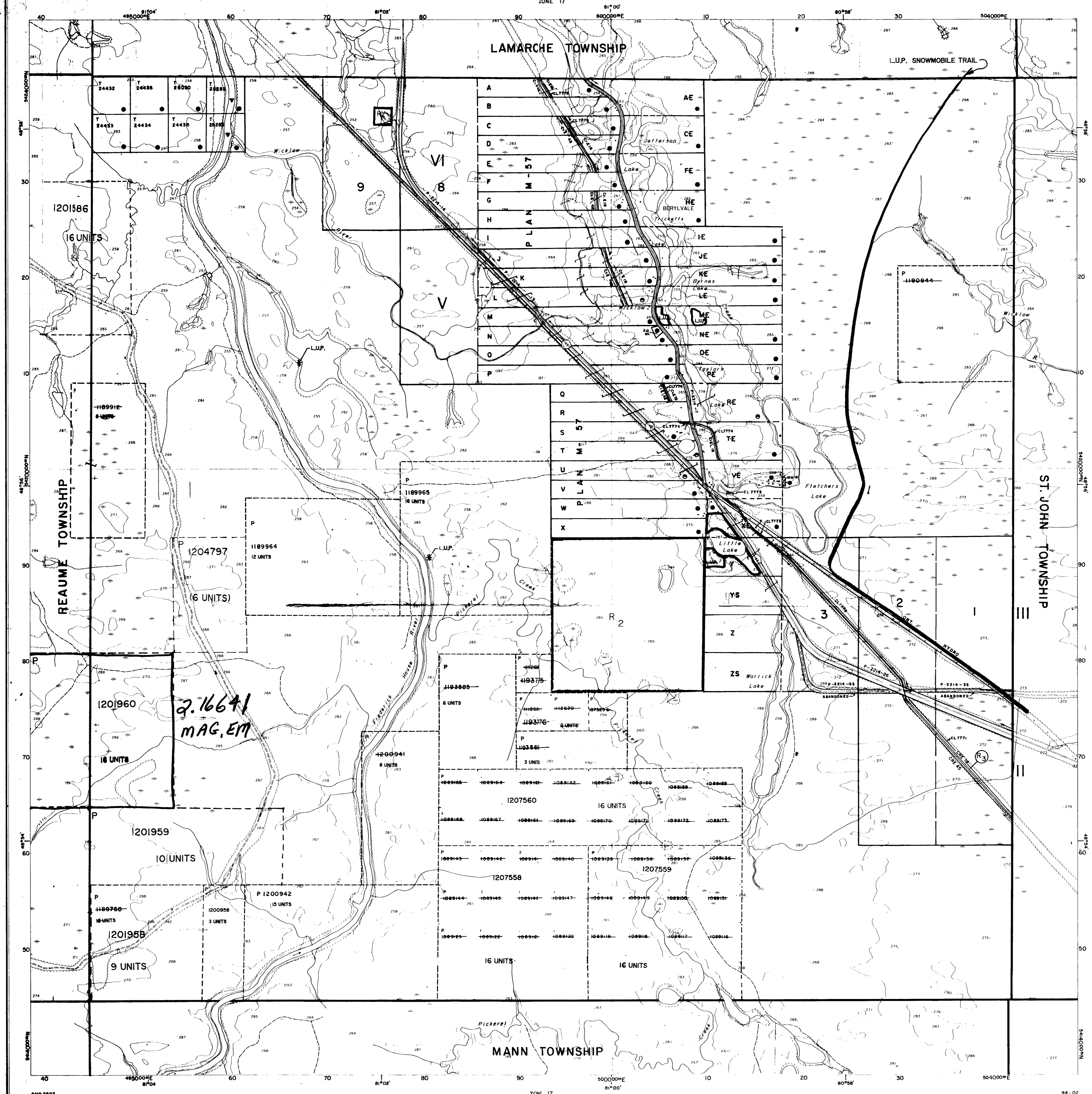
THE SUBDIVISION OF THIS TOWNSHIP INTO LOTS AND CONCESSIONS PARTIALLY ANNULLED OCTOBER 30, 1964.
 F₁ - SUBJECT TO FORESTRY ACTIVITY IN 1994/95
 R₁ - WASTE DISPOSAL SITE ATTENTION ZONE - SITE CLOSED 1988 SEE SECTION 46 ENVIRONMENTAL PROTECTION ACT R.S.O. 1990
 R₂ - PENDING APPLICATION UNDER THE PUBLIC LANDS ACT NOTICE RECEIVED 94-MAR-22

DISPOSITION OF CROWN LANDS

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
Cancelled	○
Reservation	○
Sand & Gravel	○

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources.

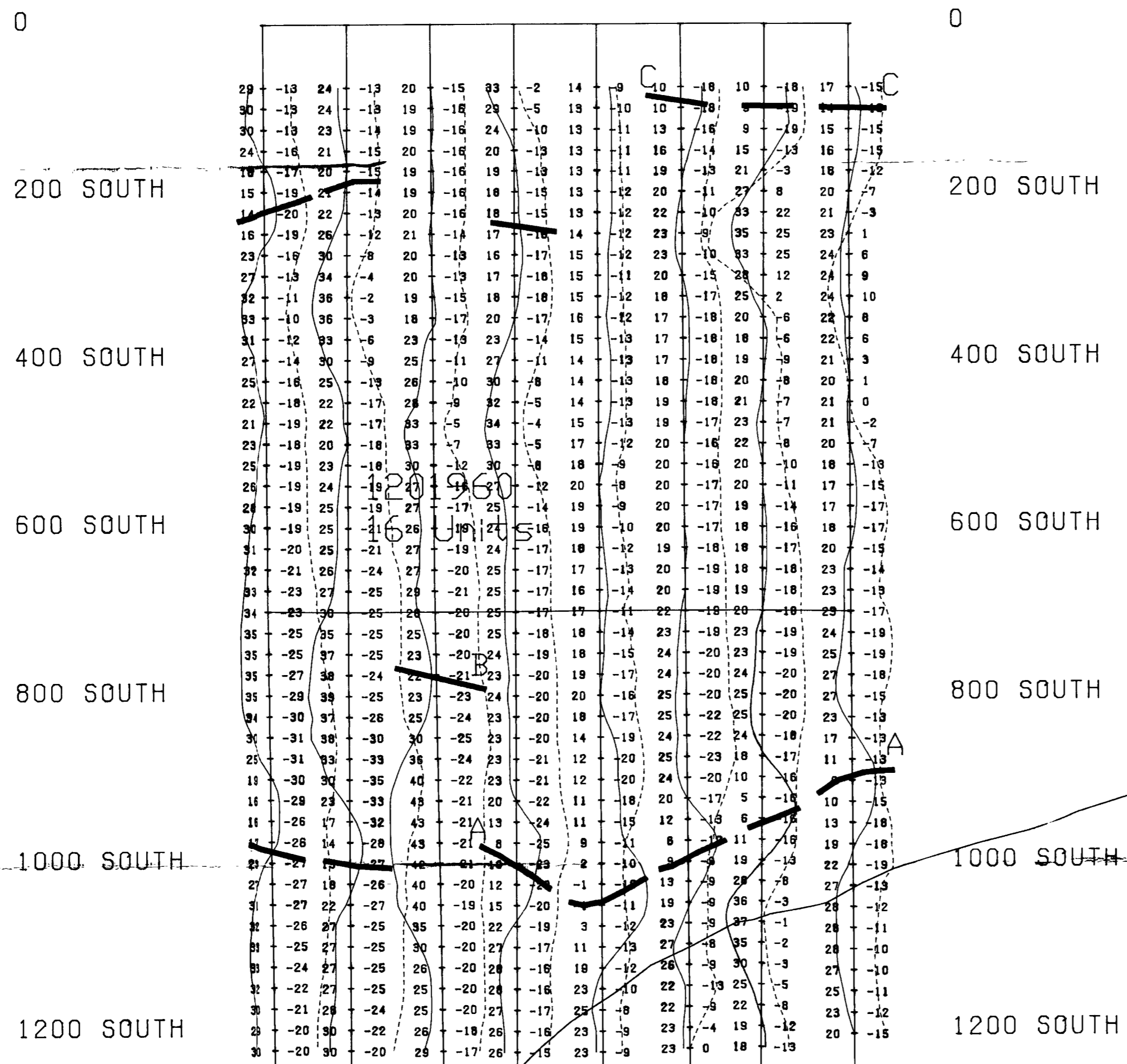
The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.



REAUME TWP

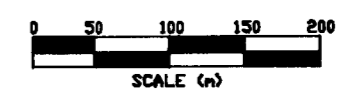
HANNA TWP

300 WEST 200 WEST 100 WEST 0 100 EAST 200 EAST 300 EAST 400 EAST



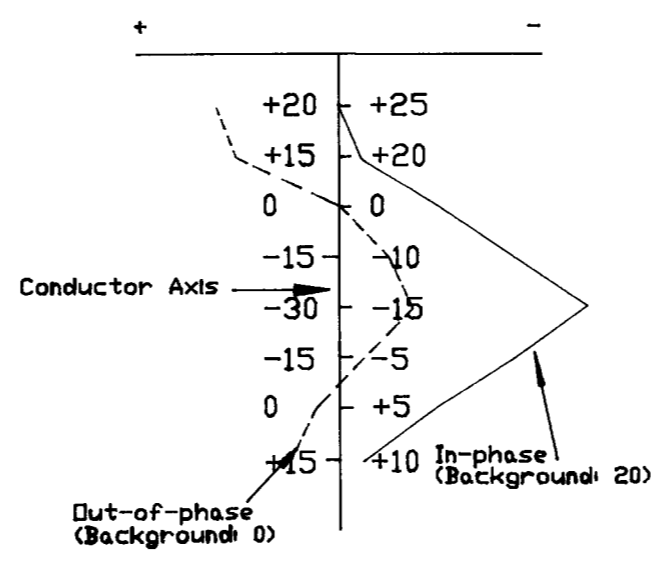
2.16641

RECEIVED
JUL 5 1996
MINING LANDS BRANCH



210

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



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

CLIENT: FALCONBRIDGE LIMITED
 PROPERTY: MANN BELT PN# 8269
 TITLE: HANNA TWP HAN96-02
MAX-MIN II 1777 Hz

Date: Mar. 1996 Scale: 1:5000 NTS:
 Drawn: P. Gauthier Interp: J.C. Grant Job No.: E-146

REAUME TWP

HANNA TWP

300 WEST 200 WEST 100 WEST 0 100 EAST 200 EAST 300 EAST 400 EAST

0

0

200 SOUTH

200 SOUTH

400 SOUTH

400 SOUTH

600 SOUTH

600 SOUTH

800 SOUTH

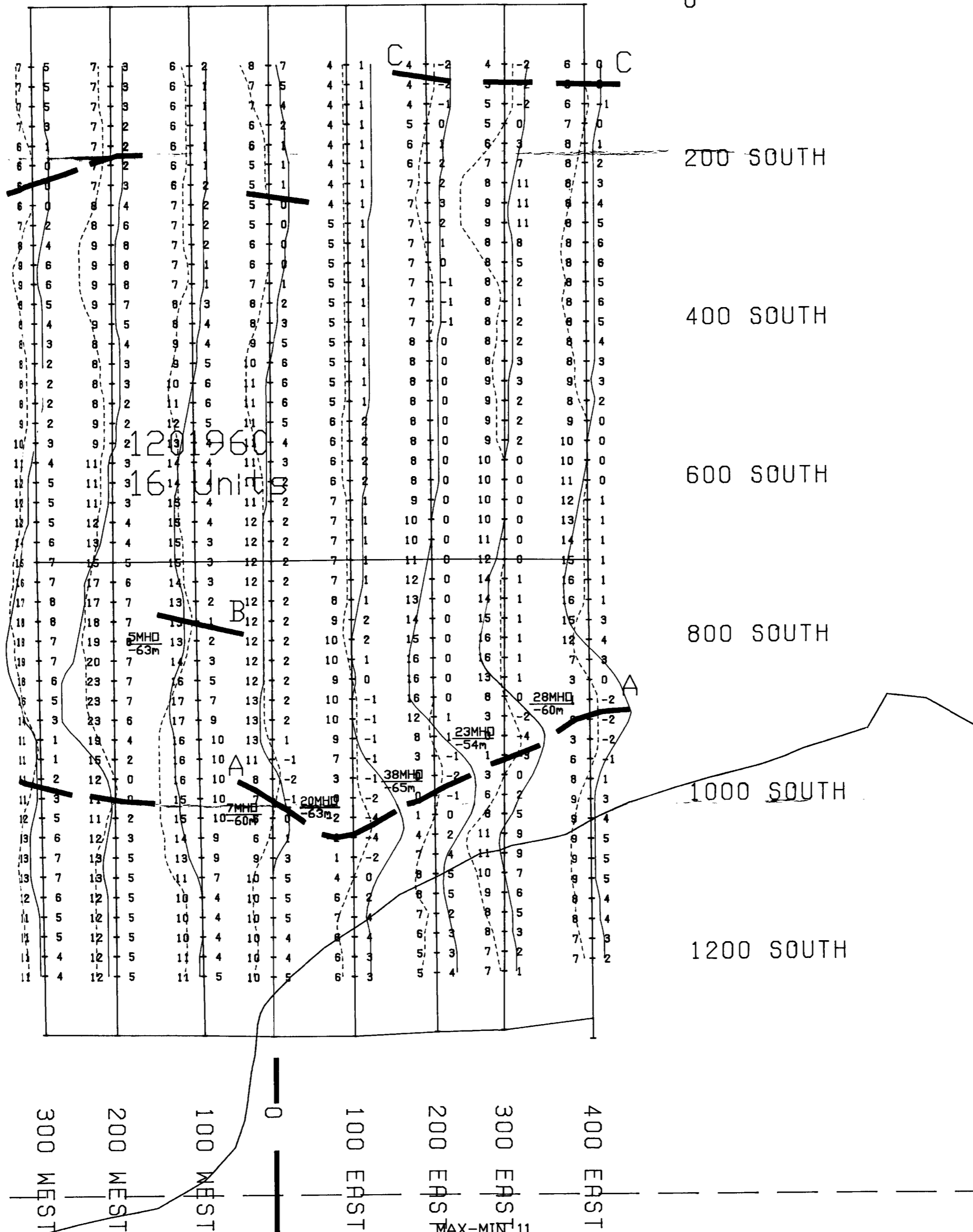
800 SOUTH

1000 SOUTH

1000 SOUTH

1200 SOUTH

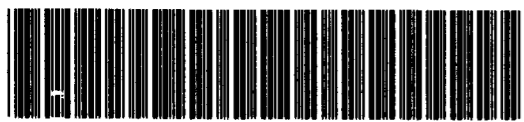
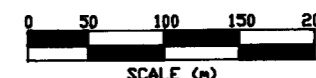
1200 SOUTH



CREEK

2.16641

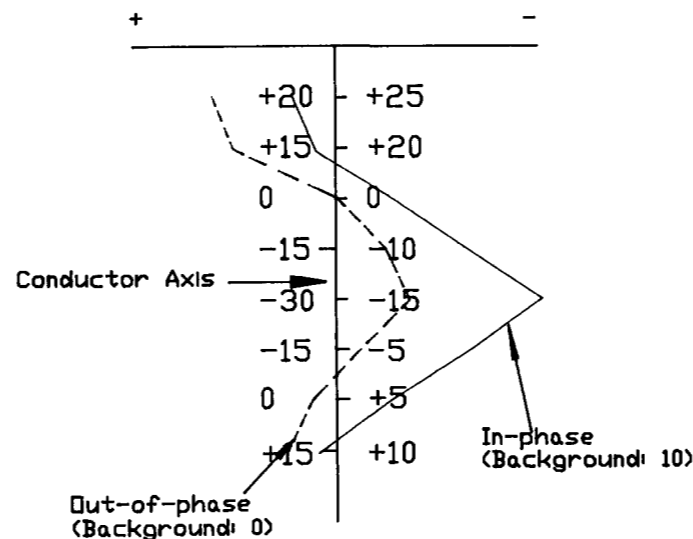
RECEIVED
 JUL 5 1996
 MINING LANDS BRANCH



220

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=+/-10%



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: HANNA TWP HAN96-02
MAX-MIN II 444 Hz

Date: Mar. 1996 Scale: 1:5000 NTS:
 Drawn: P. Gauthier Interp: J.C. Grant Job No.: E-146

REAUME TWP

HANNA TWP

300 WEST 200 WEST 100 WEST 0 100 EAST 200 EAST 300 EAST 400 EAST

0
200 SOUTH

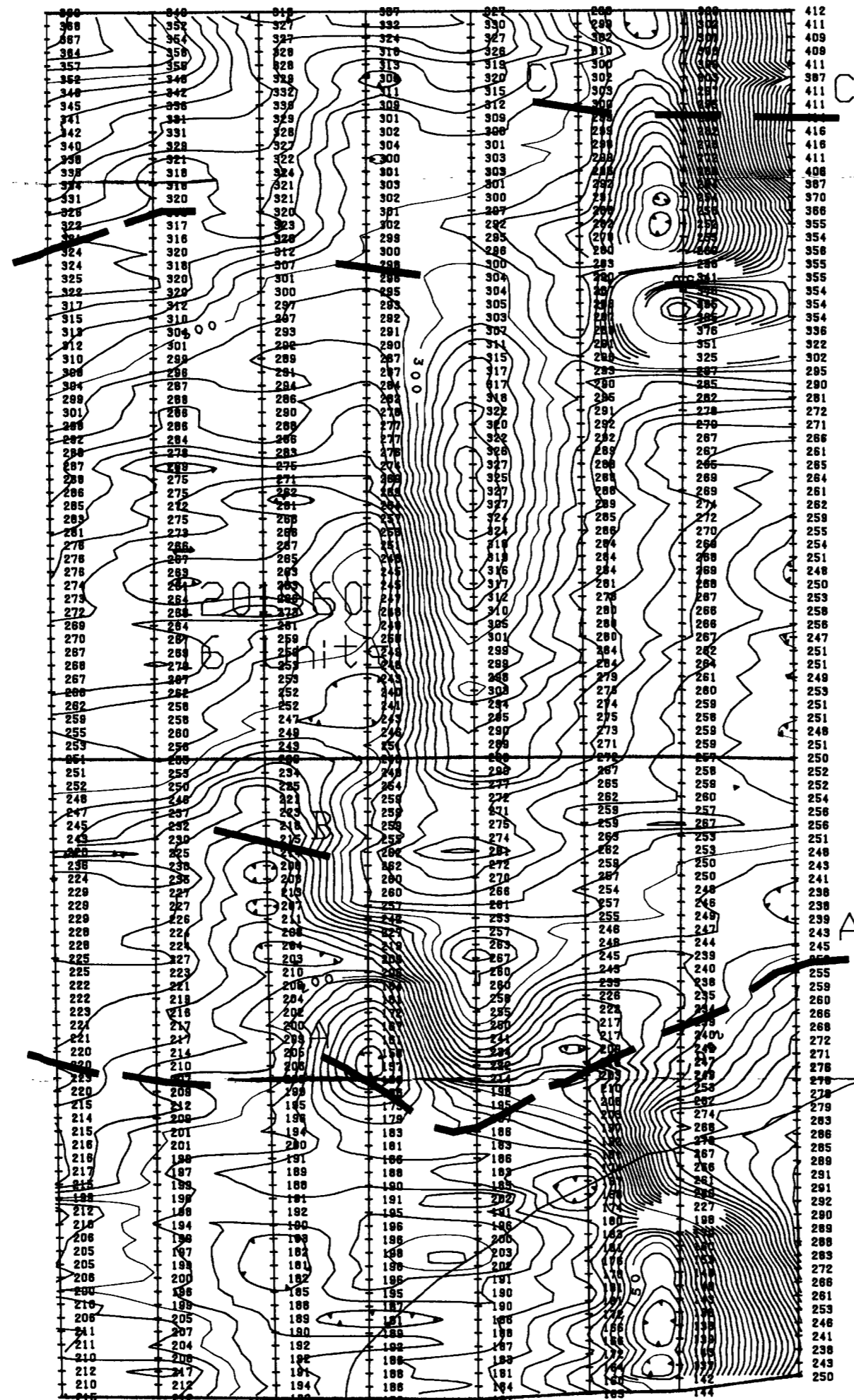
400 SOUTH

600 SOUTH

800 SOUTH

1000 SOUTH

1200 SOUTH



0
200 SOUTH

400 SOUTH

600 SOUTH

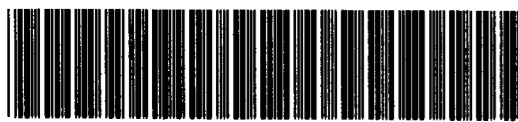
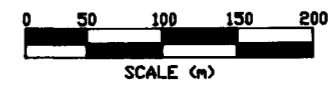
800 SOUTH

1000 SOUTH

1200 SOUTH

2.16641

RECEIVED
JUL 5 1996
MINING LANDS BRANCH



230

LEGEND

Instrument: BRGM OMNI-IV
Parameters Measured: Earth's total magnetic field
Accuracy: +/- 0.1 nano-teslas
Diurnals: Corrected by base station recorder
Contour Interval: 0,5,10,15,20,25,30,35,.....
Reference Field: 57,960 gammas
Datum Subtracted: 57,500 gammas



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

CLIENT: FALCONBRIDGE LIMITED
PROPERTY: MANN BELT PN# 8269
TITLE: HANNA TWP HAN96-02
MAGNETOMETER SURVEY

Date: Mar. 1996 Scale: 1:5000 NTS:
Drawn: P.Gauthier Interp: J.C.Grant Job No.: E-146