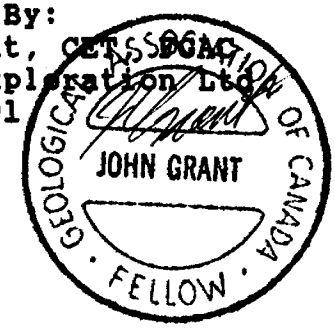
GEOPHYSICAL REPORT
FOR
FALCONBRIDGE LIMITED
ON THE
GODFREY PROJECT #8211
GODFREY TOWNSHIP
PORCUPINE MINING DIVISION
TIMMINS, ONTARIO

Prepared By:
J.C. Grant, CET, PGAC
Exsics Exploration Ltd.
June, 1991



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INTRODUCTION

The Godfrey #8211 Project consists of 20 mining claims which are held by Falconbridge Limited. The property is located in Godfrey Township, in the Porcupine Mining Division, District of Cochrane, Timmins, Ontario. Refer to Figures 1 and 2 of this report.

Exsics Exploration Limited was contracted to cut a detailed grid over the property and to perform geophysical surveys over the entire cut grid. The purpose of the project was to test the property's potential for base metal and/or gold deposition. This program was done during the months of May and early June, 1991.

PERSONNEL

The people directly involved with the field work and collection of all the data are as follows:

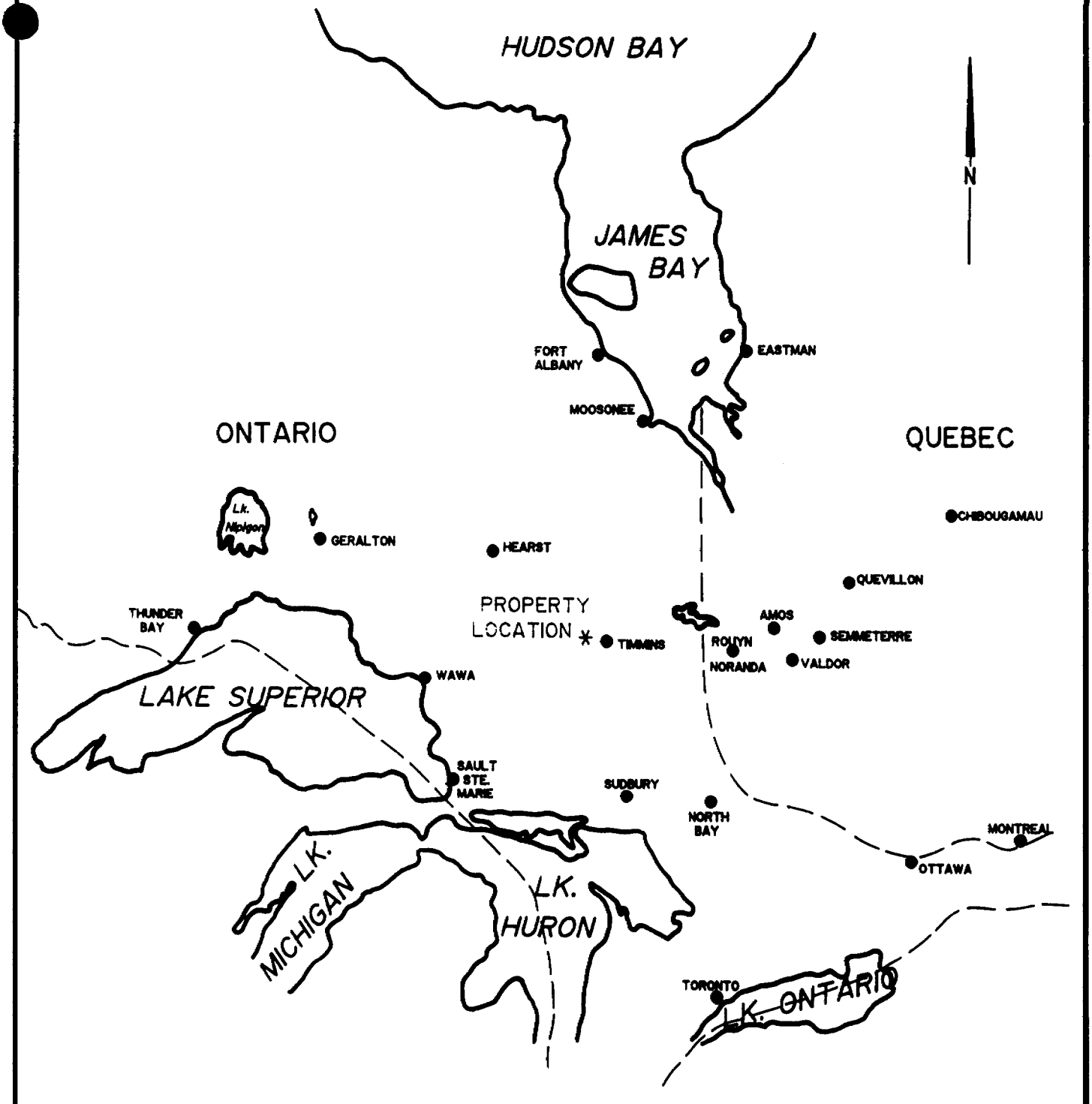
John C. Grant....Geophysicist.....Timmins, Ontario
Pat Atkinson.....Helper.....Timmins, Ontario

All of the work and interpretation was handled by John C. Grant.

LOCATION AND ACCESS

The Godfrey #8211 Project is located in the northeast section of Godfrey Township. More specifically it is located in Concession V, Lots 5, 4 and the west half of Lot 3 of the Township. Refer to Figure 3 of this report.

Godfrey Township is located approximately 15 km west-northwest of the City of Timmins. Access to the property is ideal year round. The junction of Highway 101 west and Highway 576 is located approximately 8 km west of the City core. Highway 576 runs northwest from the junction and passes within 75 meters of the southwest corner of the property. Travel time from Timmins to the site is about 25 minutes.



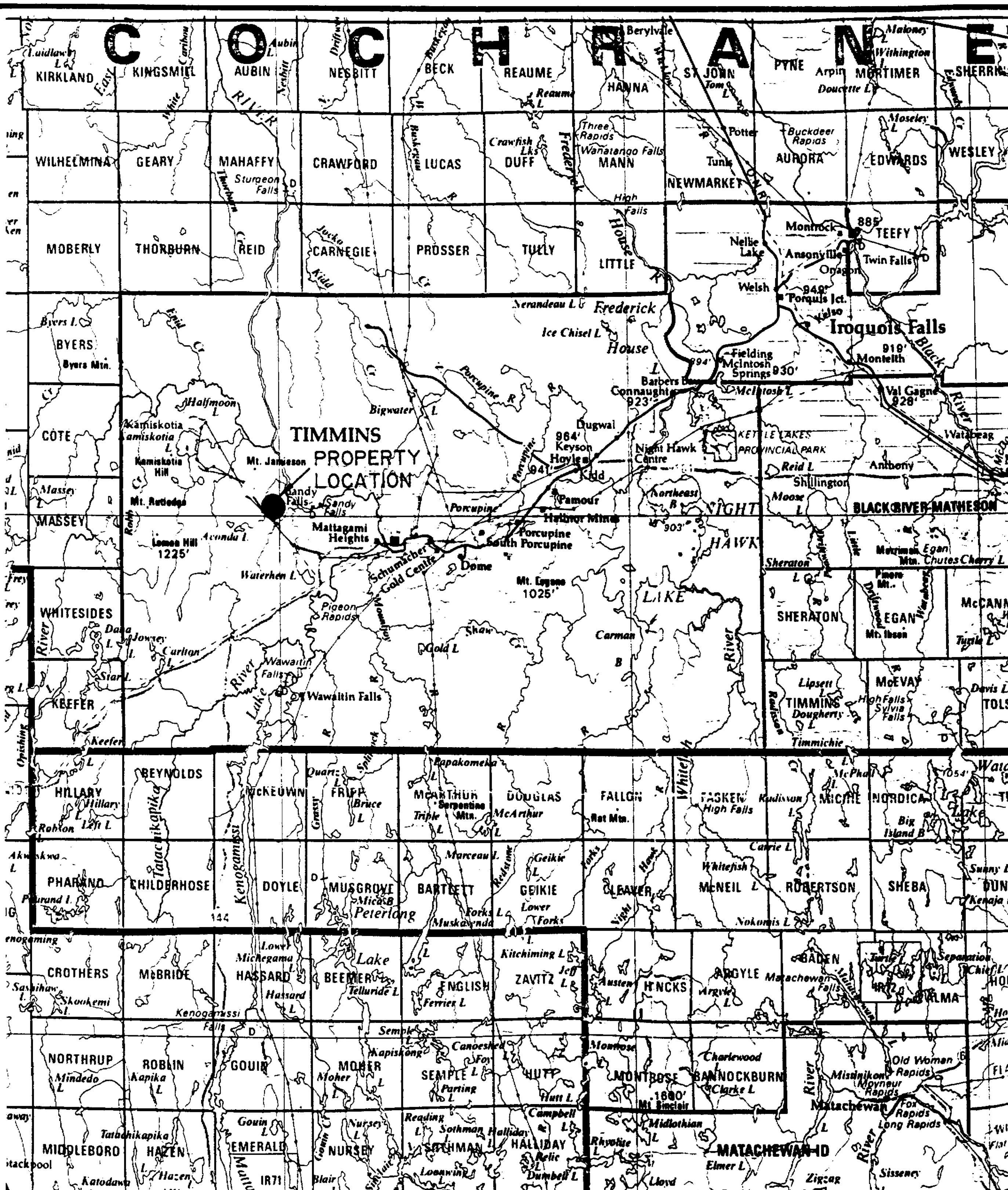
EXSICS EXPLORATION LTD.
P.O. Box 1890, P4N-7X1
Suite 13, Hollinger Bldg, Timmins Ont.
Telephone: 705-267-4151

CLIENT: FALCONBRIDGE LIMITED

PROPERTY: GODFREY TWP. PROJECT# 8NEW

TITLE: MONETA PORCUPINE CLAIMS
LOCATION MAP
Fig. 1

Date: May '99	Scale: 1"=125miles	NTS:
Drawn: [illegible]	Interp: [illegible]	Job No. EE-[illegible]



EXSICS EXPLORATION LTD.
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Suite 13, Hollinger Bldg, Timmins Ont.
Telephone: 705-267-4151

CLIENT:	FALCONBRIDGE LIMITED
PROPERTY:	GODFREY TWP. PROJECT # 8NEW
TITLE:	MONETA PORCUPINE CLAIMS PROPERTY LOCATION

Fig. 2

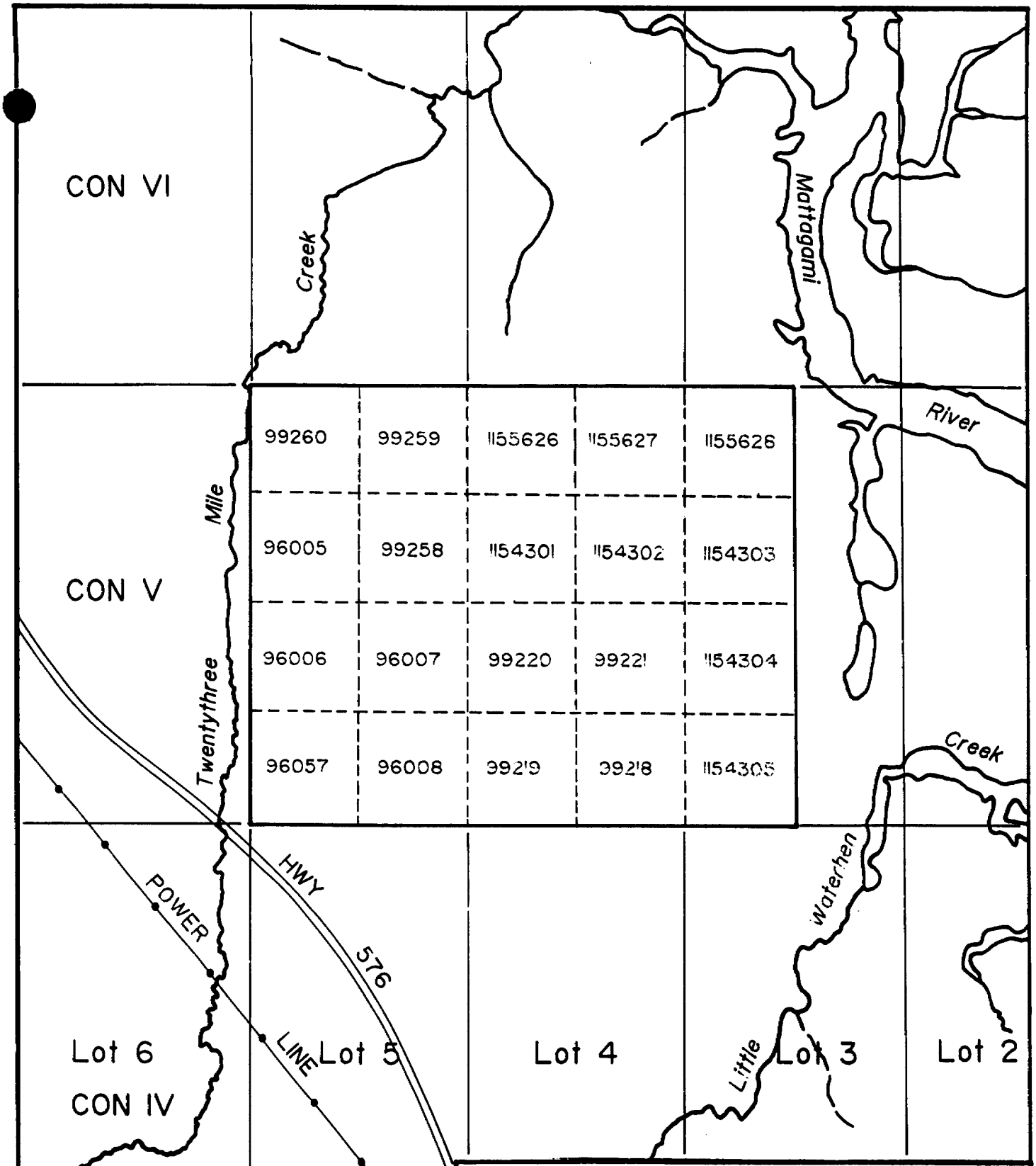
Date: May 1991	Scale: 1:60,000	NTS:
Drawn:	Interp: J. Grant	Job No. [illegible]

CLAIM GROUP

The claim group consists of 20 mining claims of which 8 are unpatented and 12 are leased claims. The numbers of each are as follows:

Unpatented Claims	Leased Claims
P-1155626	P-99260
P-1155627	P-99259
P-1155628	P-99258
P-1154301	P-96005
P-1154302	P-96006
P-1154303	P-96007
P-1154304	P-96008
P-1154305	P-95057
	P-99218
	P-99219
	P-99220
	P-99221
TOTAL: 8	TOTAL: 12

Refer to Figure 3 of this report copied from MNDM Map G-3391.



EXSICS EXPLORATION LTD.
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Suite 13, Hollinger Bldg, Timmins Ont.
Telephone: 705-267-4151

CLIENT: FALCONBRIDGE LIMITED

PROPERTY: GODFREY TWP. PROJECT # 8NEW

TITLE: MONETA PORCUPINE CLAIMS
CLAIM SKETCH

MND: G-3991 Fig. 3

Date: May '99	Scale: 1:20,000	NTS:
Drawn: [illegible]	Interp: [illegible]	Job No. [illegible]

PROPERTY GEOLOGY

Generally the property is underlain by intermediate to mafic metavolcanics which has been cross cut by several northwest-southeast trending diabase dikes. The Mattagami River Fault parallels 50 meters to the east of the property's east boundary. An area of outcrop was noted in the southeast corner of the grid and appears to be felsic volcanics with some minor quartz stringers.

The outcrops show evidence of past trenching and sampling. The remainder of the property is covered by overburden and occasional swamp patches. On reviewing Preliminary Map P-967, Geological Series, there is evidence of at least 3 drill holes on the property. The areas were not visibly apparent on the grid.

LINECUTTING PROGRAM

The linecutting consisted of a baseline being cut along the western edge of the property from corner to corner. Cross lines were then turned off of this base line at 100 meter intervals from L800MN (south boundary), to L2400MN (north boundary).

Tie lines paralleling the baseline were cut at 400 meter intervals from the baseline (4000ME) to TL 6000 ME, the eastern boundary. All of the grid lines were chained at 20 meter station intervals.

In all, a total of 45.5 km of lines were established.

GEOPHYSICAL PROGRAM

This program consisted of a total field magnetic survey read in conjunction with a horizontal loop, electromagnetic survey.

The magnetics were completed over the entire grid and the EM survey was read over all of the cross lines.

Magnetic Survey:

This survey was completed using the EDA Omni IV system. Specifications for this system can be found as Appendix A of this report.

This unit is a rugged compact portable instrument designed specifically for field operation. The unit is extremely accurate and flexible. It contains a microprocessor and associated circuitry for monitoring, storing and processing data. For this

project, two Omni IV units were used in the following manner. One unit was set up at a fixed location, in the base station mode where it measures and stores in it's memory the diurnal variations in the earth's magnetic field. Readings were taken automatically at intervals of 30 seconds. The memory has a capacity of 5000 data blocks.

A field unit was also used and it was tuned to the same reference field as the base unit and at the same location. When the two units are connected together, the base unit can correct and dump the total field measurements. These corrections made are for diurnal variations and reference field values.

A base station was set up on the grid at L800MN/4000E and tuned to a reference field of 58500 gammas.

The data was then plotted on base maps at a scale of 1:5000 and then contoured at 25 gamma intervals wherever possible. This contoured base map is included in the back pocket of this report.

Horizontal Loop Survey:

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

The MaxMin II is a two-man continuously portable EM system. It is designed to measure both the vertical and horizontal in-phase (IP) and quadrature (QP) components of the anomalous field from electrically conductive zones. More accurately, the directions of the measured components are perpendicular and parallel to the mean slope between the transmitting coil (Tx) and the receiving coil (Rx). The plane of the transmitter is kept parallel to the mean slope between the transmitter and receiver at all times. This means that the MaxMin is in effect a horizontal loop (HL) system, when the receiver measures anomalous components perpendicular to the mean slope between the coils.

This system has the following principal features designed into it:

1) Five system frequencies of 222, 444, 888, 1777 and 3555 Hz to deal effectively with a wide range of overburden and bedrock conductivities.
2) Several transmitter, receiver operations - 50, 100, 150, 200 and 250 meters to cope with a wide range of problems from search for large deep conductive zones to the resolution of shallow, parallel conductive zones.
3) Good intercom system for operator co-ordination.

4) Warning lights to indicate invalid readings.

5) Lightweight portability to reduce operating costs.

A coil separation of 150 meters was used which would result in a theoretical search depth range of 75 meters.

The collected data was then plotted directly onto base maps at 1:5000 and profiled at 1 cm to ± 20%. Copies of these maps are included in the back pocket of this report.

SURVEY RESULTS

The geophysical program was successful in outlining one strong EM conductor as well as several weak questionable zones. Each feature will be discussed separately below:

Zone A:

This zone represents the most predominant feature on the grid. It strikes north-south across lines 1600MN to 110MN. The zone lies at a depth to source of 20 - 48 meters with good conductivity ranging from 4 to 13 mhos. The feature also appears to be dipping slightly east to near vertical.

The feature appears to strike south into a diabase dike but has good, although spotty, mag high association with the northern and central sections.

Zone B:

This feature represents a weak questionable zone at this time. The higher EM frequency reacted better to it which suggests it may relate to conductive overburden, possibly a clay filled trough. There is no apparent magnetic correlation.

Zone C:

This feature also represents a weak, questionable zone. It lies just east of the outcrop areas and may represent a contact zone between the outcrop and swamp. It lies within the western edge of a diabase dike.

The short weak EM zone (F) which lies along the eastern edge of the same dike may in fact represent a weak or Deep EM zone. Interpretation puts the feature between 47 and 68 meters with a conductivity value of 4 to 10 mhos.

Past drilling may have intersected the zone at depth.

Zone D:

This feature was only noted on the higher feature and is associated with an overburden ridge to ravine area.

The target is considered as low priority at this writing.

Zone E:

This feature represents a weak or deep target which strikes north-south across lines 1100 MN to 1400 MN.

The magnetics show a parallel structure following the target. The feature may have been tested by two drill holes which have been spotted on O.G.S. Map P-967.

RECOMMENDATIONS AND CONCLUSIONS

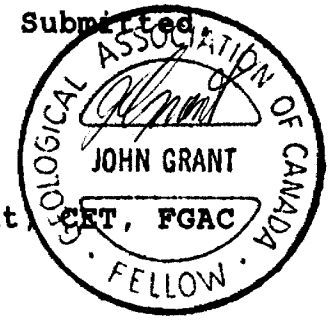
The surveys were successful in outlining several targets on the grid.

Certainly Zone A represents a good legitimate bedrock response which was also noted by the government airborne survey. Zone E and F also appear to represent legitimate targets which may have been too deep for the present survey. However, both of these zones may have been tested in past drilling.

In recommendations follow up work, certainly Zone A should be tested with drilling. One should keep in mind that the MaxMin Unit will sideseek as much as it penetrates. This feature has a tendency to extend the strike lengths of short strong zones. Therefore, the target is probably strongest in the vicinity of Lines 12 and 1300 MN.

The other two deeper zones, E & F, may be considered for Deep EM follow up. Although a quick check would be to re-read the area with a 200 to 250 meter cable with the MaxMin.

Respectfully Submitted,



John C. Grant, CET, FGAC

CERTIFICATE OF QUALIFICATIONS

I, John Charles Grant do hereby certify:

1. that I am a geophysicist and reside at Lot 2 Martineau Avenue, Kamiskotia Lake, Timmins, Ontario.

2. that I am a Fellow of the Geological Association of Canada.

3. that I am a member of the Certified Engineering Technologist Association.

4. that I graduated from Cambrian College of Applied Arts and Technology, Sudbury Campus in 1975 with an Honour's diploma in Geology Technology.

5. that I have practised my profession continuously for 16 years.

6. that my report on the GODFREY PROJECT # 8211, GODFREY TOWNSHIP for FALCONBRIDGE LIMITED, is based on work carried out under my supervision.

4. I hold no specific or special interest in the described property. I have been retained as a Consulting Geophysicist for "the property".

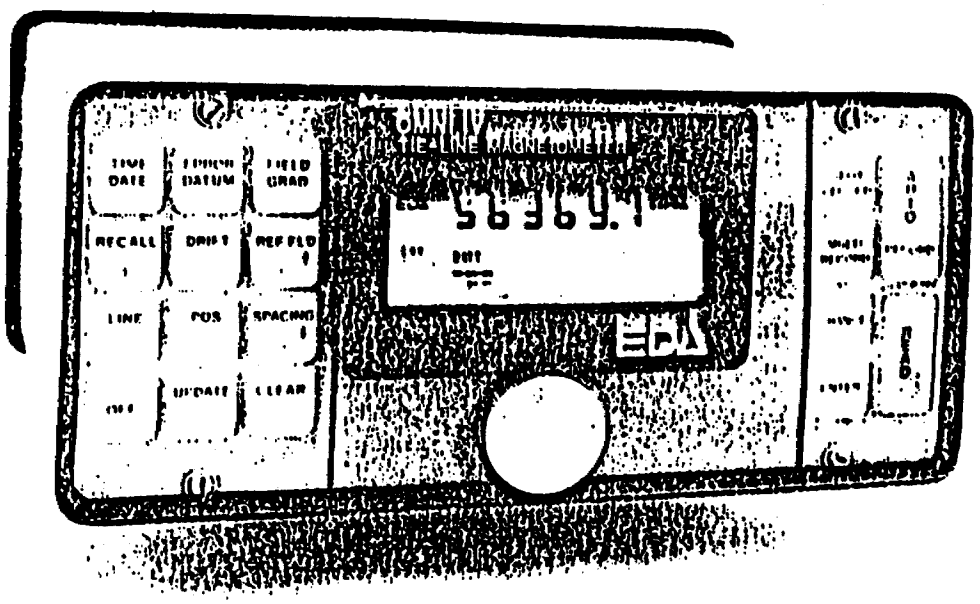
Dated this 21st day of June, 1991 at Timmins, Ontario

John C. Grant, C.E.T., F.G.A.C.

A P P E N D I X A

OMNI IV "Tie-Line" Magnetometer

EDA



OMNI IV's Major Benefits

- 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

EDA

Specifications

Dipoles	Two simultaneous input dipoles.
Input Voltage (Vp) Range	40 microvolts to 4 volts, with automatic ranging and overvoltage protection.
Vp Resolution	10 microvolts.
Vp Accuracy	0.3% typical; maximum 1% over temperature range.
Chargeability Resolution	1 %.
Chargeability Accuracy	0.3% typical; maximum 1% over temperature range for Vp > 10 mV.
Automatic SP Compensation	± 1 V with linear drift correction up to 1 mV/s.
Input Impedance	1 Megohm.
Sample Rate	10 milliseconds.
Automatic Stacking	3 to 99 cycles.
Synchronization	Minimum primary voltage level of 40 microvolts.
Rejection Filters	50 and 60 Hz power line rejection greater than 100 dB.
Grounding Resistance Check	100 ohm to 128 kilo-ohm.
Compatible Transmitters	Any time domain waveform transmitter with a pulse duration of 1 or 2 seconds and a crystal timing stability of 100 ppm.
Programmable Parameters	Geometric parameters, time parameter, intensity of current, type of array and station number.
Display	Two line, 32-character alphanumeric liquid crystal display protected by an internal heater for low temperature conditions.
Memory Capacity	600 sets of readings.
RS-232C Serial I/O Interface	1200 baud, 8 data bits, 1 stop bit, no parity.
Console Power Supply	Six- 1.5V "D" cell disposable batteries with a maximum supply current of 70 mA and auto power save.
Operating Environmental Range	−25°C to +55°C; 0–100% relative humidity; weatherproof.
Storage Temperature Range	−40°C to +60°C.
Weight and Dimensions	5.5 kg, 310x230x210 mm.
Standard System Complement	Instrument console with carrying strap, batteries and operations manual.
Available Options	Stainless steel transmitting electrodes, copper sulphate receiving electrodes, alligator clips, bridge leads, wire spools, interface cables, rechargeable batteries, charger and software programs.

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

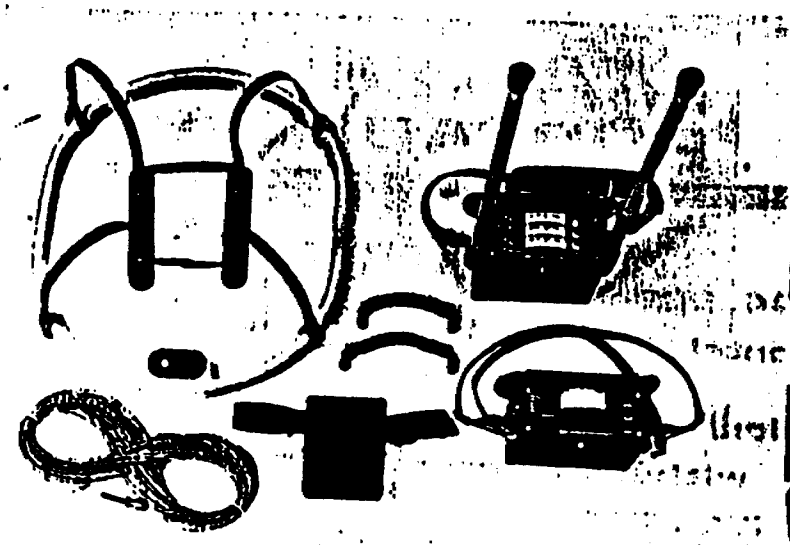
In U S A
E D A Instruments Inc.
5151 Ward Road,
Wheat Ridge, Colorado
U S A 80033
(303) 422 9112

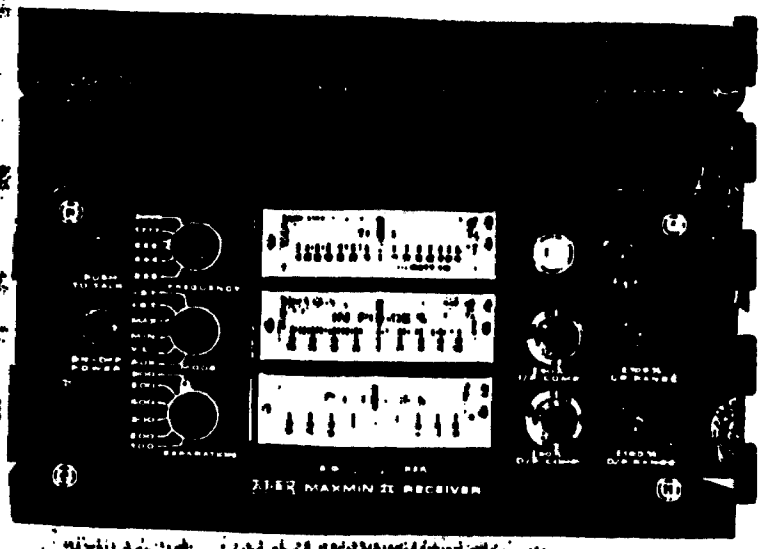
Printed in Canada

A P P E N D I X B

APEX MAXMIN II PORTABLE EM

- Five frequencies: 222, 444, 888, 1777 and 3555 Hz.
- Maximum coupled (horizontal-loop) operation with reference cable.
- Minimum coupled operation with reference cable.
- Vertical-loop operation without reference cable.
- Coil separations: 25, 50, 100, 150, 200 and 250 m (with cable) or 100, 200, 300, 400, 600 and 800 ft.
- Reliable data from depths of up to 180 m (600 ft).
- Built-in voice communication circuitry with cable.
- Tilt meters to control coil orientation.





SPECIFICATIONS :

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

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

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

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

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

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

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

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

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

Receiver Batteries: 9V trans. radio type batteries (4). Life: approx. 35 hrs. continuous duty (alkaline, 0.6 Ah), less in cold weather.

Transmitter Batteries: 12V 8 Ah Gel-type rechargeable battery. (Charger supplied).

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

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

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

Temperature Range: -40°C to +60°C (-40°F to +140°F).

Receiver Weight: 8 kg (13 lbs.)

Transmitter Weight: 13 kg (29 lbs.)

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

Specifications subject to change without notification

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

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

A P P E N D I X C

Ministry of Northern Development and Mines

Ontario

Geophysical-Geological-Geochemical Technical Data Statement

File _____

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) MAGNETIC & HORIZONTAL LOOP.
Township or Area GODFREY TOWNSHIP
Claim Holder(s) FALCONBRIDGE LIMITED.
TIMMINS, ONTARIO
Survey Company EXSICS EXP. LTD.
Author of Report JOHN C. GRANT.
Address of Author BOX 1880, TIMMINS, ONT.
Covering Dates of Survey MAY 3/91 To June 21/91
(linecutting to office)
Total Miles of Line Cut 45.5 Km.

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
-Electromagnetic	20
-Magnetometer	40
-Radiometric	
-Other	
Geological	
Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: June 21/91 SIGNATURE: _____
JOHN GRANT
Author of Report or Agent

ASSOCIATION OF CANADA · FELLOW ·

Res. Geol. _____ Qualifications 2.557

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
P-	1155626
	1155627
	1155628
	1154301
	1154302
	1154303
	1154304
	1154305
	99260
	99259
	99258
	96005
	96006
	96007
	96008
	96057
	99218
	99219
	99220
	99221

TOTAL CLAIMS 20

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations 2275 Number of Readings 11,375

Station interval 20M. Line spacing 100M.

Profile scale 1CM = ± 20%.

Contour interval 25 GAMMAS.

MAGNETIC

Instrument EDA OMNI IV SYSTEM

Accuracy – Scale constant ± .5 GAMMAS.

Diurnal correction method BASE STATION CONTROL

Base Station check-in interval (hours) 30 SEC. RECORDING TIME

Base Station location and value L800MN/4000ME, 58500 GAMMAS.

ELECTROMAGNETIC

Instrument APEX MAXMIN II SYSTEM

Coil configuration COPLANER, HORIZONTAL COILS

Coil separation 150 M.

Accuracy ± 1 %.

Method: ☐ Fixed transmitter ☐ Shoot back ☒ In line ☐ Parallel line

Frequency 1777HZ, 444 HZ (specify V.L.F. station)

Parameters measured 1 INPHASE & 1 QUADRATURE PHASE.

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time Frequency

– Off time Range

– Delay time

– Integration time

Power

Electrode array

Electrode spacing

Type of electrode

Ministry of Northern Development and Mines

Ont

Report of Work Conducted After Recording Claim

Transaction Number: W9160.00223

Mining Ac

Personal information collected on this form is obtained under the authority of the
this collection should be directed to the Provincial Manager, Mining Lands, h
Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

42A11SW0355 2.14285 GODFREY

900

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)		Client No.
FALCONBRIDGE LIMITED		130179
Address		**Telephone No.**
571 MONETA AVE BOX 1140		(705)267-1188
Mining Division	**Township/Area**	**M or G Plan No.**
PORCUPINE	GODFREY	
Dates Work Performed	From: MAY 13, 1991	To: JUNE 7, 1991

Work Performed (Check One Work Group Only)

	Work Group	Type
✓	Geotechnical Survey	Line cutting, Magnetometer, MaxMin II
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

RECEIVED
AUG - 9 1991
MINING LANDS SECTION

RECORDED
JUL 30 1991
Receipt

Total Assessment Work Claimed on the Attached Statement of Costs $ 9,314

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
John Grant (Author of Report)	Exsics Exploration Ltd Box 1880, Timmins Ont.
Pat Atkinson	Exsics Exploration Ltd. Box 1880, Timmins, Ont.

(attach a schedule if necessary)

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

	Date	Recorded Holder or Agent (Signature)
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.	July 30, 1991	(John Pattison)

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		
John Pattison, Falconbridge Limited, Box 1140 Timmins Ont. P4N 7H9		
Telepone No.	**Date**	**Certified By (Signature)**
(705)267-1188	July 30, 1991	

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
9,314	JULY 30/91	Robert Bailey	RECEIVED JUL 30 1991
	Deemed Approval Date: OCT. 28/91	Date Approved	
	Date Notice for Amendments Sent		

0241 (03/91)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	P 1154301	1	1164	~~1164~~ 800		364
	P 1154302	1	1164	~~1164~~ 800		364
	P 1154303	1	1164	~~1164~~ 800		364
	P 1154304	1	1164	~~1164~~ 800		364
	P 1154305	1	1165	~~1165~~ 800		365
	P 1155626	1	1164	~~1164~~ 800		364
	P 1155627	1	1164	~~1164~~ 800		364
	P 1155628	1	1165	~~1165~~ 800		365
	8		$ 9,314	$ ~~9,314~~ 6,400		$ 2,914
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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

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

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

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

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

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

Ontario

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: W9160.00223

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type: Linecutting	4808	
	Magnetometer	1660	
	MacMin	2,786	9,314
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		9,314

2. Indirect Costs/Coûts indirects

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

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

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

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

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

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

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Project Geologist (Recorded Holder, Agent, Position in Company) I am authorized to make this certification

Attestation de l'état des coûts

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

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

Signature	Date
	July 20, 1991

Note : Dans cette formule, lorsqu'il désigne des personnes, le masculin [illegible]

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Mining Lands Branch
Geoscience Approvals Section
159 Cedar Street, 4th Floor
Sudbury, Ontario
P3E 6A5

Toll Free: 1-800-465-3880
Telephone: (705) 670-7264
Fax: (705) 670-7262

October 23, 1991

Our File: 2.14285
Your File: W.9160.00223

Mining Recorder
Ministry of Northern Development
and Mines
60 Wilson Avenue
TIMMINS, ONTARIO
P4N 2S7

Dear Sir/Madam:

SUBJECT: APROVAL OF ASSESSMENT WORK SUBMITTED ON MINING CLAIMS P.1154301 ET AL. IN THE TOWNHSIP OF GODFREY.

The assessment work credits for the Geophysical Survey, under Section 14 of the Mining Act Regulations, submitted on the above work report have been approved as of October 23, 1991.

Please indicate this approval on your records.

Yours sincerely,

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

TA/jl
Enclosures:

cc: Resident Geologist
Timmins, Ontario

✓Assessment Files Office
Toronto, Ontario

MAP SYMBOLOGY

Aerial Cableway
Boundary
International
Interprovincial
District, Township, Indian Reserve
Approximate
Lot, Concession
Approximate
Park Boundary
Bridge
Road, Railroad
Building
Chimney
Cliff, Pit, Pile
Contours
Interpolated
Approximate
Depression
Control Points
Horizontal
Vertical
Culvert
Falls
Double line river
Fence, Hedge, Wall
Feature Outline (Construction features, etc.)
Flooded Land
Lock
Marsh or Swamp
Mast
Mine Head Frame
Outcrop
Pipeline (above ground)
Railroad
Single Track
Double Track
Abandoned
Turntable
Road
Highway, County Township
Access (road of doubtful maintenance or significant driveway)
Trail, Bush Road (portage alley)
Rapids
Double line river with multiple rapids
Reservoir
River, Stream, Canal
Approximate
Direction of flow
Rock
Significant
Shoal
Spot Elevation (tube elevations)
Tower
Transmission Line
Poles
Pylons
Tunnel
Utility Poles
Wharf, Dock, Pier
Wooded Area

(e) - land use permit

AREAS WITHDRAWN FROM DISPOSITION

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

Description | Order No. | Date | Disposition | File

(S) – S.R.O. UNDER APPLICATION FOR AGRICULTURAL PURPOSES

(C) – CERTIFIED AGRICULTURAL LAND – 26/8/82 SUBJECT TO SEC 41(1) OF THE MINING ACT.

(B) – BONA FIDE APPLICATION

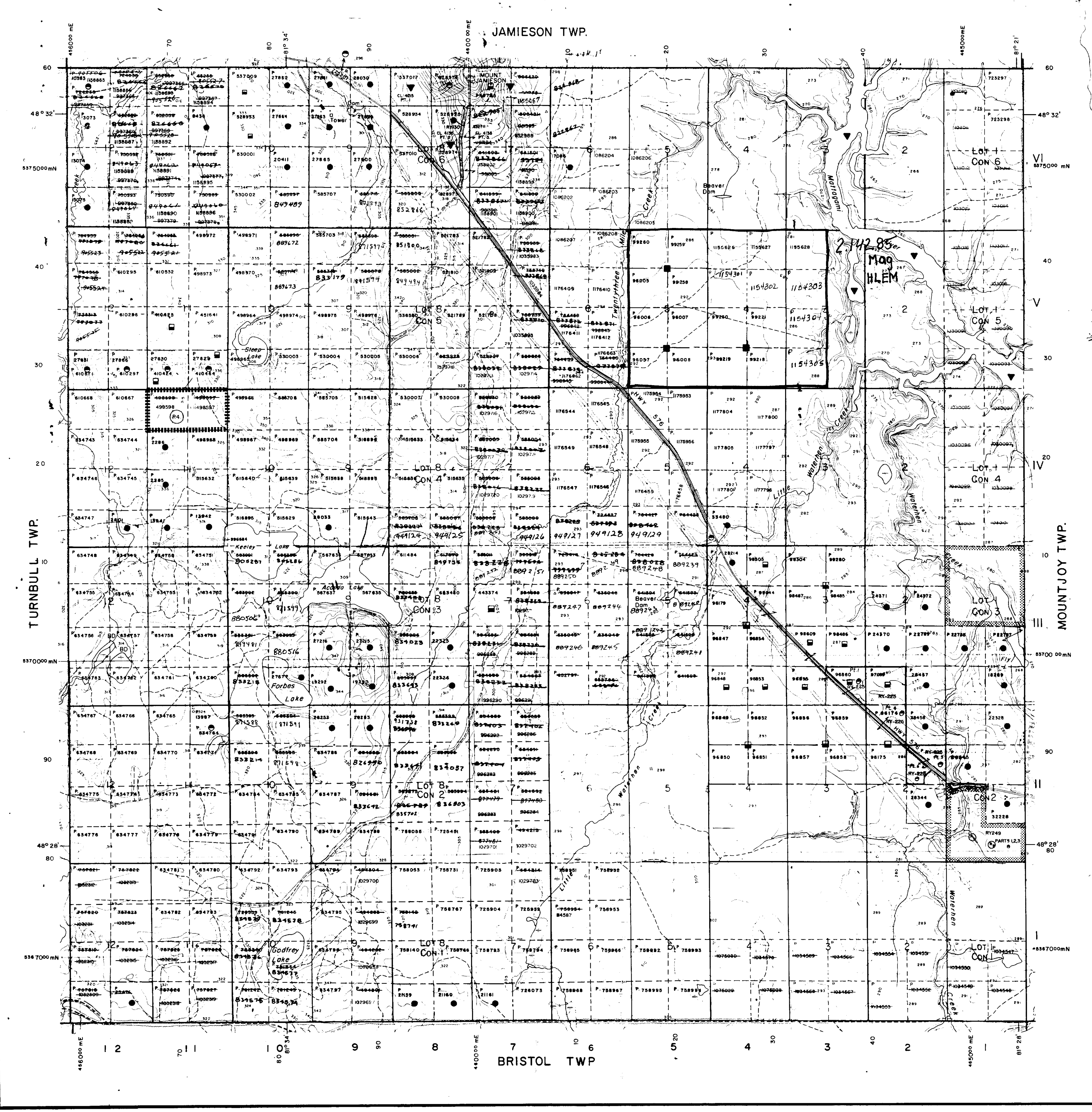
(P) – Pending S.R. disposition under P.L.A.
~~(P) – Pending proceedings, land not open~~
(F) FILED ONLY NOV. 15/85 - 835628

MINING AND SURFACE RIGHTS WITHDRAWN FROM PROSPECTING, STAKING, SALE OR LEASE, (R4) SECTION 36 THE MINING ACT RSO 1980

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 DEVELOP...

42A11SE0355 2.14285 GODFREY

200



LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◐
" , MINING RIGHTS ONLY	◑
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	▣
" , MINING RIGHTS ONLY	▤
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊗
SAND & GRAVEL	⊕

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

Metres
Chains
Feet

SCALE 1:20 000
GRID ZONE : 17

NOTES

FLOODING RIGHTS ON EITHER SIDE OF THE MATTAGAMI RIVER TO H.E.P.C.

LICENCE OF OCCUPATION LOCATED WITHIN LOTS 7 & 8 IN CONCESSION 6, BEING PARTS 1, 2, AND 3 ON A PLAN OF LOCATION CL 4135, ISSUED JUNE 11 1985 FOR SURFACE RIGHTS ONLY TO KAMISKOTIA SKI RESORTS LIMITED. LICENCE DOCUMENT AND PLAN OF SURVEY AVAILABLE ON LAND ROLL FILE.

2.14285

RECEIVED JUN 21 1991

TOWNSHIP
GODFREY

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

Ontario — Ministry of Natural Resources — Land Management Branch

ORIGINAL COMPILATION: JULY 1984
REVISED
Number: G-3991

BL 40+00E | 42+00E | TL 44+00E | 46+00E | TL 48+00E | 50+00E | TL 52+00E | 54+00E | TL 56+00E | 58+00E | TL 60+00E

L 24+00N
L 23+00N
L 22+00N
L 21+00N
L 20+00N
L 19+00N
L 18+00N
L 17+00N
L 16+00N
L 15+00N
L 14+00N
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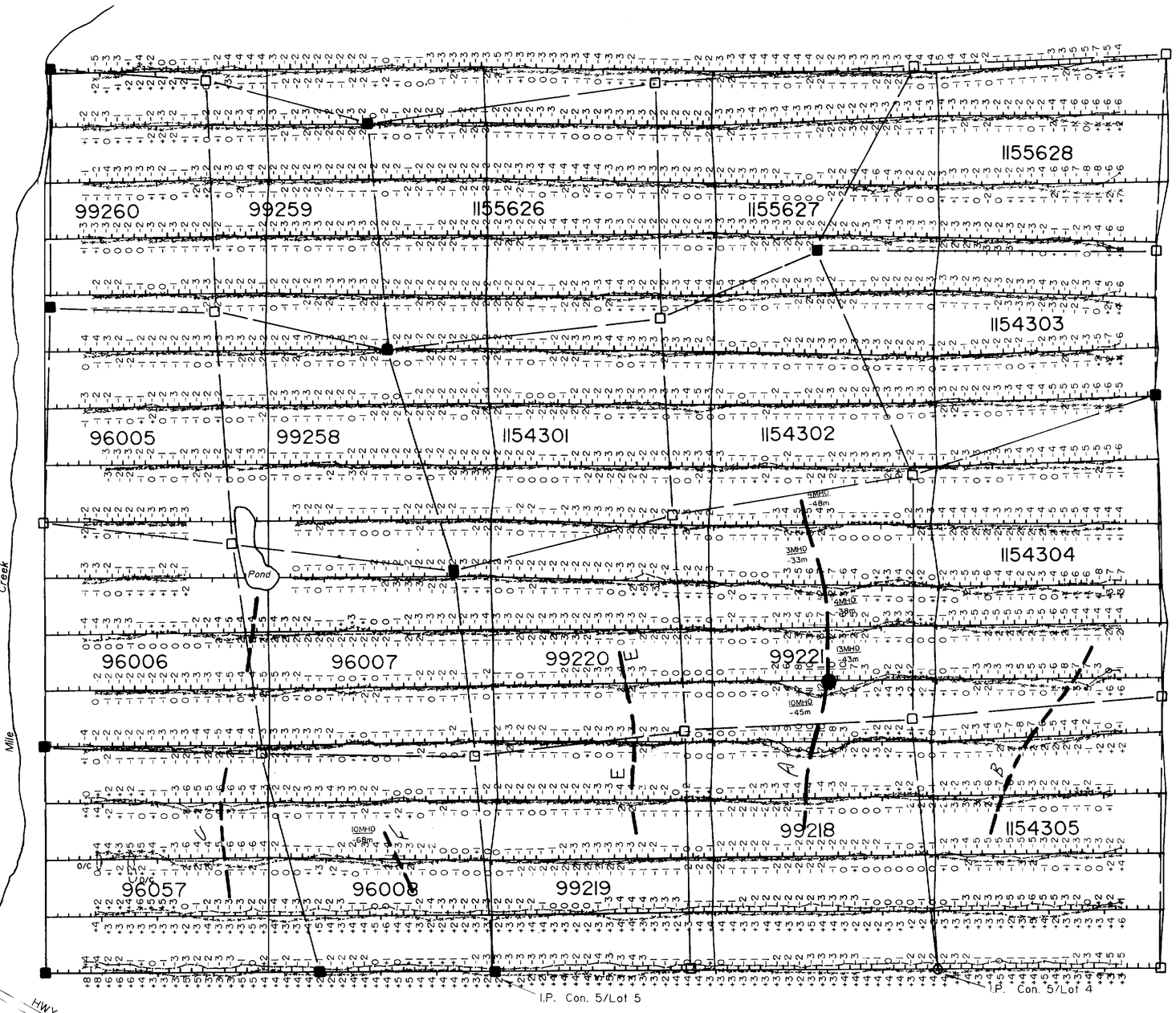
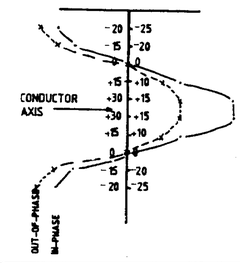
L 10+00N
L 9+00N
L 8+00N



N

MAX-MIN II



LEGEND

INSTRUMENT: Apex Parametrics Max-Min II
MODE: Maximum Coupled, Horizontal Loop Survey
PARAMETRES MEASURED: Inphase (%)
Out of phase (%)
FREQUENCY: 444 Hz
COIL SEPARATION: 150m
OPERATOR: J. Grant, P. Atkinson
PROFILE SCALE: 1cm=20%

AIRBORNE ANOMALY

DECAY INTERVAL CLASSIFICATION

- 1-2 Channel (350, 450 microseconds)
- 3-4 Channel (550, 670 microseconds)
- 5-6 Channel (790, 910 microseconds)
- 7-8 Channel (1050, 1190 microseconds)
- 9-10 Channel (1350, 1510 microseconds)
- 11-12 Channel (1680, 1870 microseconds)

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

ASSOCIATION OF PROFESSIONAL ENGINEERS OF ONTARIO
JOHN GRANT
LICENSED

CLIENT: FALCONBRIDGE LIMITED
PROPERTY: GODFREY TWP.
TITLE: MONETA PORCUPINE CLAIMS PROJECT # 82I
MAX-MIN II 444 Hz

Date: May 1991	Scale: 1:5000	NTS:
Drawn: P.G.	Interp: J. Grant	Job No. EE-463

BL 40+00E | 42+00E | TL 44+00E | 46+00E | TL 48+00E | 50+00E | TL 52+00E | 54+00E | TL 56+00E | 58+00E | TL 60+00E

L 24+00N
L 23+00N
L 22+00N
L 21+00N
L 20+00N
L 19+00N
L 18+00N
L 17+00N
L 16+00N
L 15+00N
L 14+00N
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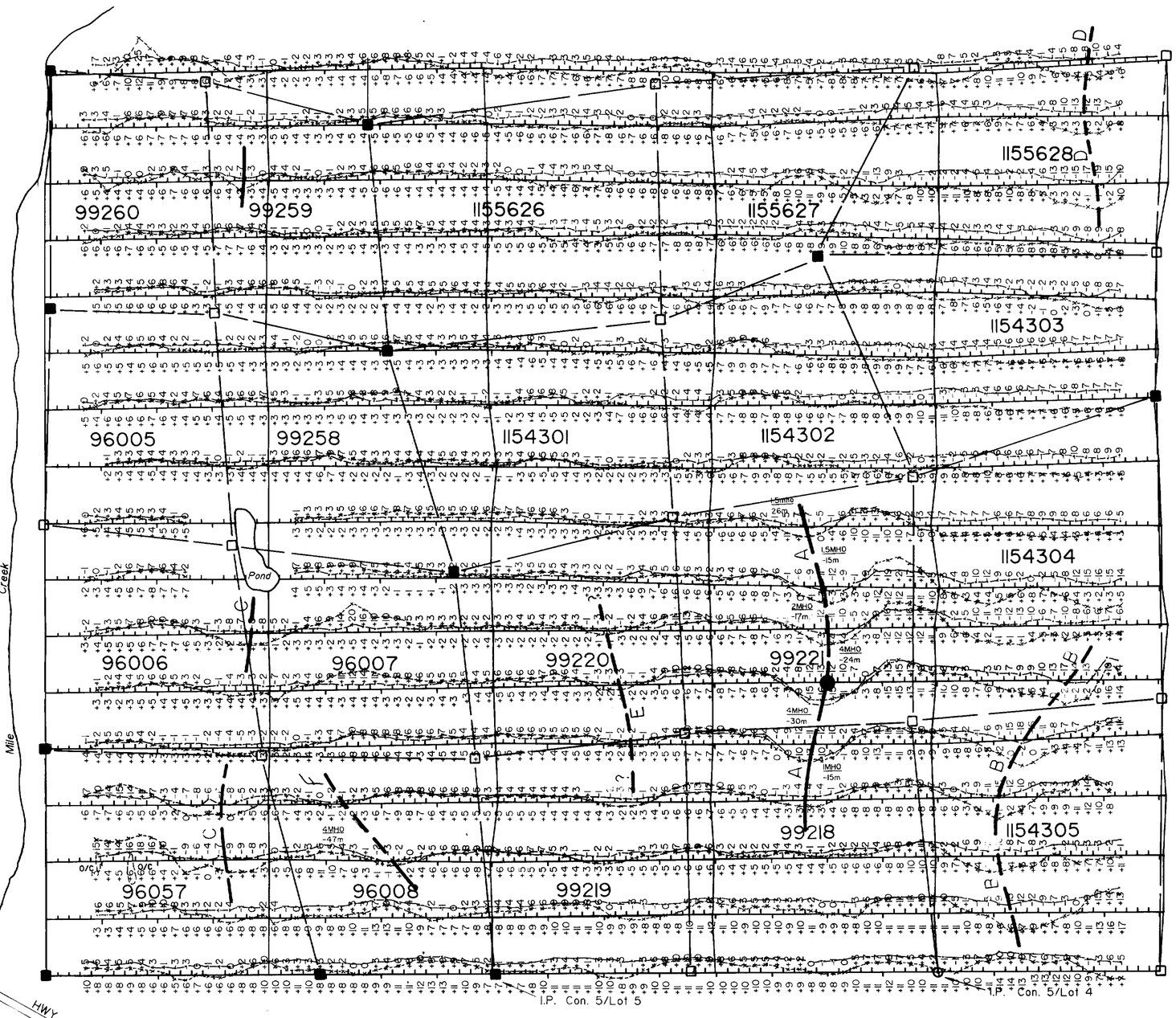
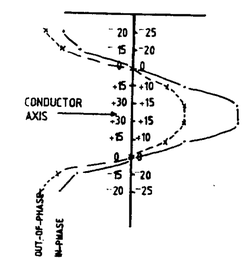
L 10+00N
L 9+00N
L 8+00N



N

MAX-MIN II



LEGEND

INSTRUMENT: Apex Parametrics Max-Min II
MODE: Maximum Coupled, Horizontal Loop Survey
PARAMETRES MEASURED: Inphase (%)
Out of phase (%)
FREQUENCY: 1777 Hz
COIL SEPARATION: 150m
OPERATOR: J. Grant, P. Atkinson
PROFILE SCALE: 1cm=20%

AIRBORNE ANOMALY

DECAY INTERVAL CLASSIFICATION

- 1-2 Channel (350, 450 microseconds)
- 3-4 Channel (550, 670 microseconds)
- 5-6 Channel (790, 910 microseconds)
- 7-8 Channel (1050, 1190 microseconds)
- 9-10 Channel (1350, 1510 microseconds)
- 11-12 Channel (1680, 1870 microseconds)

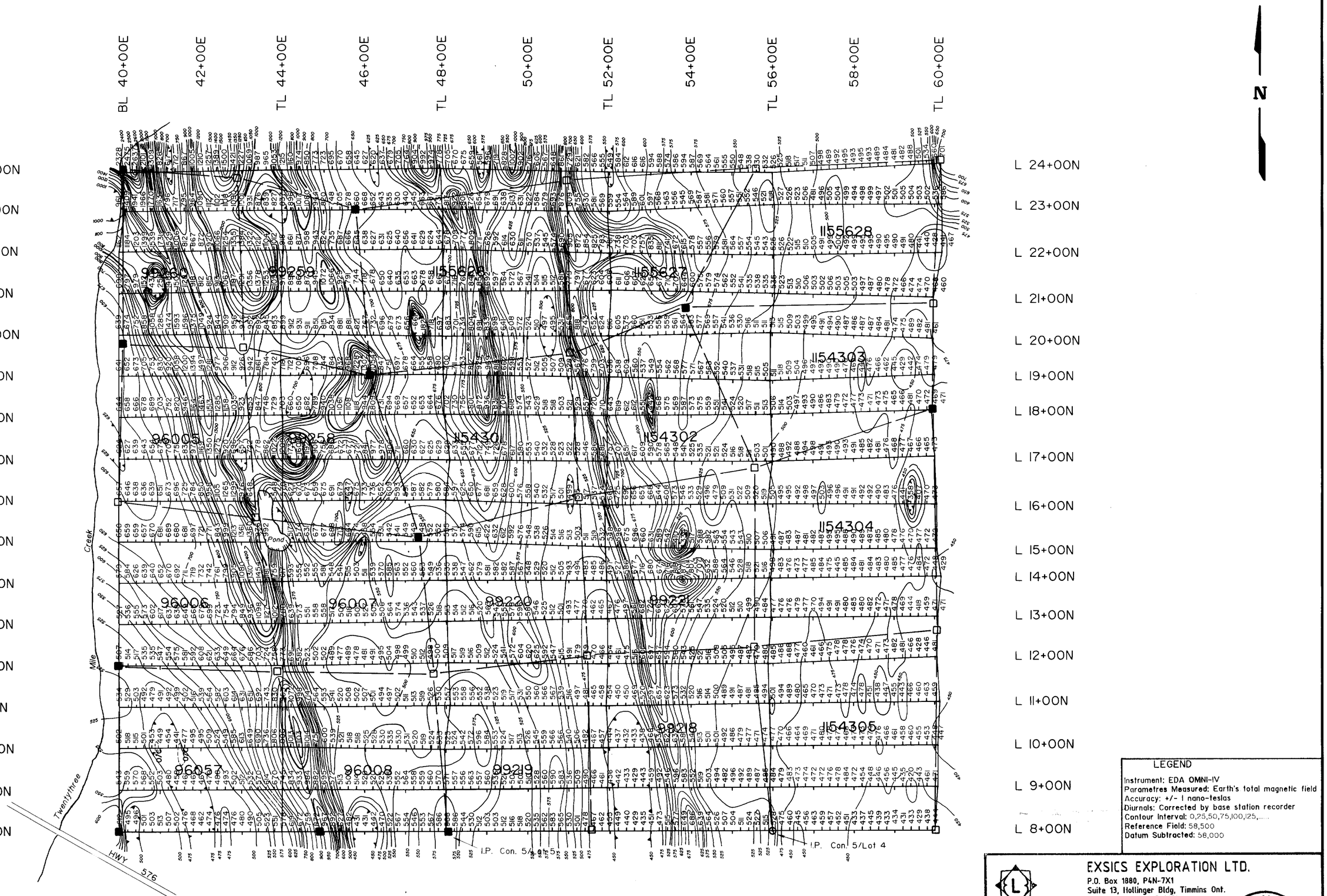
BL 40+00E | 42+00E | TL 44+00E | 46+00E | TL 48+00E | 50+00E | TL 52+00E | 54+00E | TL 56+00E | 58+00E | TL 60+00E

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

CLIENT: FALCONBRIDGE LIMITED
PROPERTY: GODFREY TWP.
TITLE: MONETA PORCUPINE CLAIMS PROJECT #8911
MAX-MIN II 1777 Hz

Date: May 1991	Scale: 1:5000	NTS:
Drawn: P.G.	Interp: J. Grant	Job No. EE-463

GEOLOGICAL ASSOCIATION OF CANADA — JOHN GRANT — FELLOW



LEGEND

Instrument: EDA OMNI-IV
Parametres Measured: Earth's total magnetic field
Accuracy: +/- 1 nano-teslas
Diurnals: Corrected by base station recorder
Contour Interval: 0,25,50,75,100,125,.....
Reference Field: 58,500
Datum Subtracted: 58,000

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

GEOPHYSICAL ASSOCIATION OF CANADA
JOHN GRANT

CLIENT: FALCONBRIDGE LIMITED

PROPERTY: GODFREY TWP.

TITLE: MONETA PORCUPINE CLAIMS PROJECT #1821
CONTOURED
MAGNETOMETER SURVEY

Date: May 1991	Scale: 1:5000	NTS:
Drawn: P.G.	Interp: J. Grant	Job No. EE-463