010

GEOPHYSICAL REPORT
FOR
FALCONBRIDGE LIMITED
ON
GRID 95-03
MANN BELT PROJECT
8269
MANN TOWNSHIP
PORCUPINE MINING DIVISION
NORTHEASTERN ONTARIO

Quad # 2.5244

Prepared by: Paul Nielsen
Northwest Geophysics Ltd.

TABLE OF CONTENTS

INTRODUCTION

The services of Northwest Geophysics Limited were retained by Falconbridge Limited to complete a linecutting and geophysical program on Grid 95-03, located in Mann Township within the Porcupine Mining Division, District of Cochrane, Northeastern, Ontario (Fig. 1).

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

Linecutting on the Mann Project commenced on September 4, 1995 and was completed September 14, 1995. The geophysical program was completed between September 11, 1995 and September 25, 1995.

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

LOCATION AND ACCESS

Grid #95-03 is located immediately south east of Pickerel Lake in the central part of Mann Township, Porcupine Mining Division, District of Cochrane, Northeastern Ontario (Fig. 2).

Access to the property can be gained via the Potter Road that extends west through Newmarket and Mann Township from Highway 11. A branch road extends south from Potter Road east of Pickerel Lake. The grid is then accessible via a 4 wheel trail approximately 500m along the branch road.

CLAIM GROUP

The claim which contains Grid 95-03 is as follows:

P-1200915 (16 units)
~~P-1201907~~ (12 units)
~~P-1200918~~ (2 units)

Refer to Figure 3, copied from MNDM Claim Map # G3537 Mann Township, scale 1:20,000.

PERSONNEL

Linecutting was completed by the following Northwest Geophysics personnel:

Francois Morin- Normetal P.Q.
Robert Morin- Normetal P.Q.
Daniel Mercier- Normetal P.Q.

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

Mike Milani - Thunder Bay, Ontario
Dan McCollum - Thunder Bay, Ontario

The geophysical program was carried out under the direct supervision of Alfred Lambert. The plotting and computer compilation was completed by Paul Nielsen and Alfred Lambert of Northwest Geophysics Limited.

LINECUTTING PROGRAM

A detailed metric grid was first established across the property. All of the cross lines were chained at 25 meter station intervals. In all, a total of 10.2 Km. of grid lines were established across the property.

GEOPHYSICAL PROGRAM

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

The HLEM was completed on the cross lines only, the magnetic survey was carried out on grid lines as well as Baseline 0+00.

MAGNETIC SURVEY

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

Linespacing	-100 meters
Station Record Interval	-12.5 meters
Diurnal Correction Method	-base station recorder
Base Station Record Interval	-30 sec reading interval
Unit Accuracy	- +/- 0.5 gammas
Reference Field	- 58,560 gammas
Datum Subtraction	- 59,000 gammas

The data was then corrected for diurnal variations, a base level of 59,000 gammas was removed from each reading, and the resultant data was plotted directly on to a vellum base map at a scale of 1:5,000. The data was then contoured at 200 gamma intervals wherever possible.

Copies of a contoured map, a profiled map and a map of the

postings are included in the back pocket of this report.

HLEM SURVEY

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

The following parameters were kept constant throughout the survey period.

Linespacing	-100 meters
Reading Interval	-25 meters
Coil Separation	-150 meters
Theoretical Search Depth	-75 meters
Frequencies Recorded	-440 Hz, 1760Hz
Parameters Measured	-inphase and quadrature components of the secondary field
Unit Accuracy	- +/- 0.5%

The collected data was then plotted on to a vellum base map, one map for each frequency, at a scale of 1:5000. The data was then profiled at 1cm to 20% for 440 Hz. and 1cm to 40% for 1760 Hz. The conductor axis for each zone was located and placed directly on the base map. A copy of these base maps are included in the back pocket of this report.

SURVEY RESULTS

The Maxmin HLEM survey was successful in locating one strong linear anomaly and two short weaker anomalies designated 'A', 'B', and 'C'. Anomaly 'A' extends across the entire grid, a minimum of 600m. The anomaly is centred on L400W at 275N, the strongest portion of the anomaly indicating a depth of <15m and high conductivity of >90 mhos (1760 Hz) or 27 mhos (440 Hz). Anomaly 'B' is a weaker response extending about 200m in strike length centred at 350W-250S. Anomaly 'C' is a one line response located on L300W at 425S. Due to the weakness of the response no interpretation can be done.

The magnetic survey indicates a noticeable 'break' extending from east to west across the entire grid from 125N to 300N. The northern portion of the grid is characterised by low magnetic relief. The southern portion is characterised by high magnetic relief (2000 to 6000 nT). The magnetic 'break' coincides directly with the strongest EM response ('A') on the grid.

CONCLUSIONS AND RECOMMENDATIONS

The surveys were successful in locating a conductive zone that warrants a follow up program.

Anomaly 'A' coincides with a noticeable magnetic 'break' which may represent a major structural lineament or statigraphic change. The conductive zone is strong near the eastern margin of

the grid and appears to trend off the grid. An extension of the grid for 300m east and follow up geophysical surveys are recommended to assess the strike extent and mineralisation potential of anomaly 'A'.

CERTIFICATE

I, Paul E. Nielsen hereby certify that:

- I am a Canadian Citizen and reside at 170 Inglewood Crescent, Thunder Bay, Ontario, CANADA P7C 2E9.
- I have been an employee of Northwest Geophysics Ltd. since October, 1993
- I have been actively engaged in base and precious metal exploration throughout Canada since 1974.
- I am a graduate of Lakehead University, Thunder Bay Ontario (HBSc. Geology, 1974)
- I have no specific or special interest in the described property.

Signed in Thunder Bay,

PAUL NIELSEN
GEOLOGIST, BSc

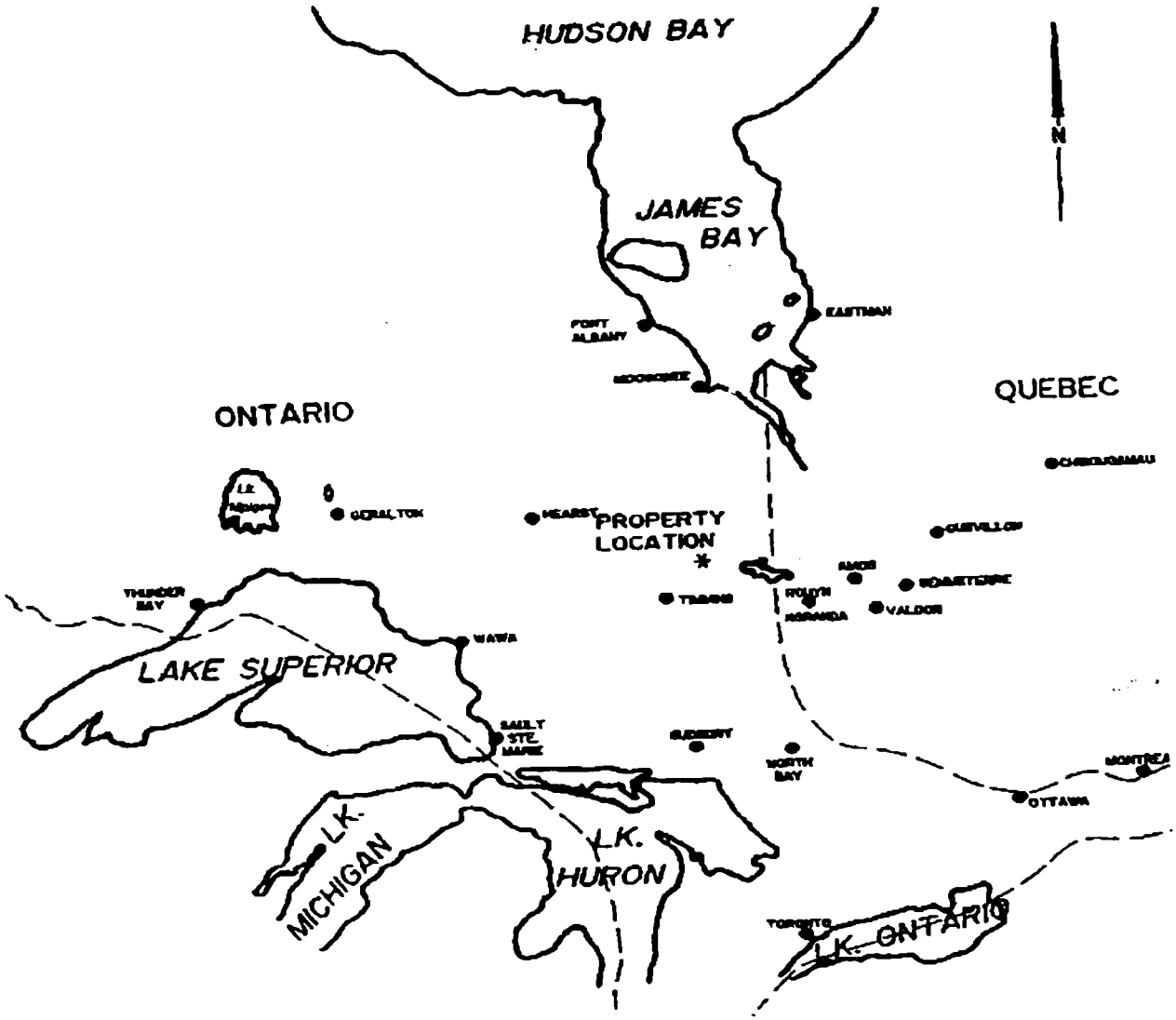
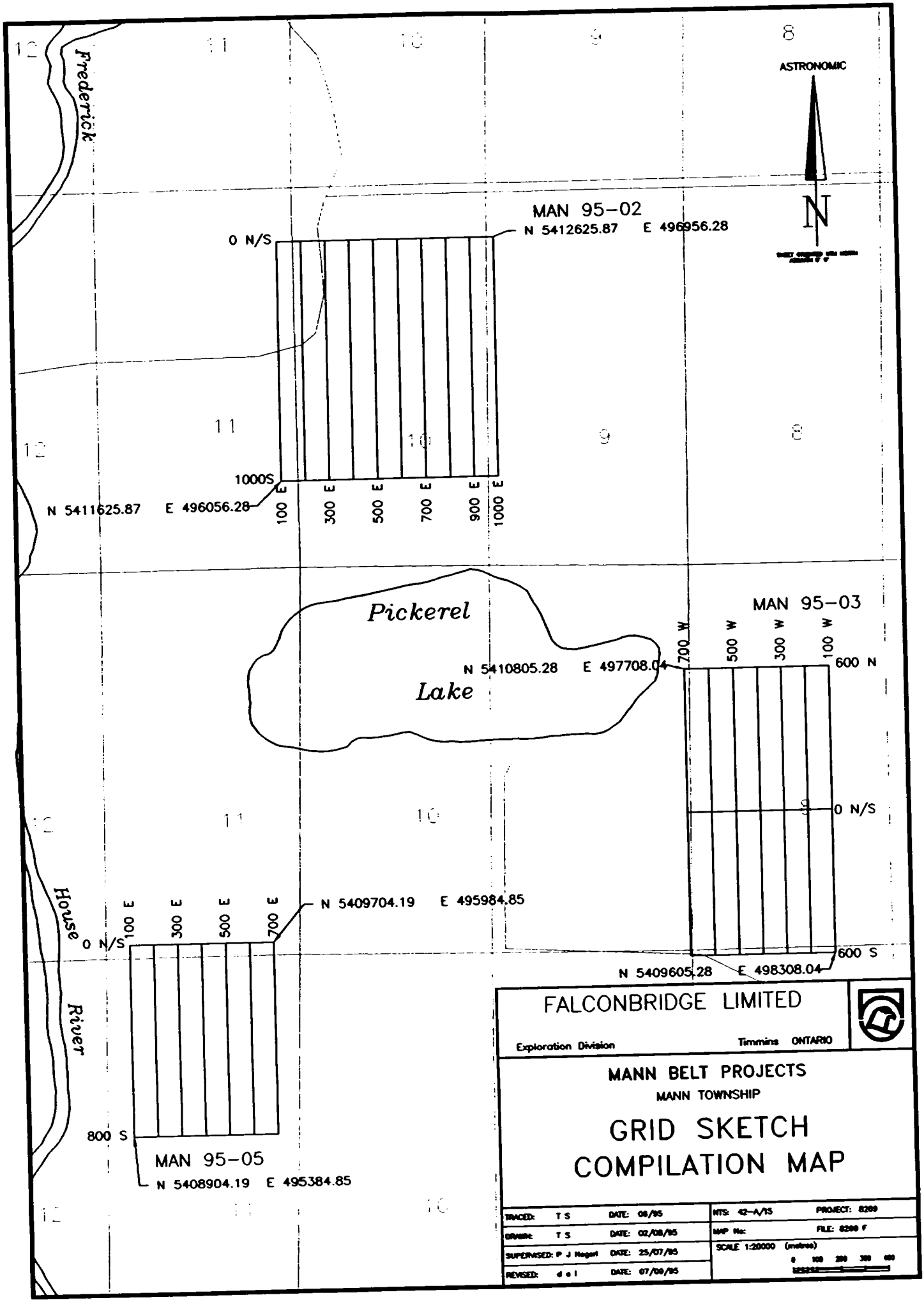


Fig. 1

Location Map

Mann Belt Project



FALCONBRIDGE LIMITED

Exploration Division Timmins ONTARIO

MANN BELT PROJECTS

MANN TOWNSHIP

GRID SKETCH COMPILATION MAP

TRACED: T S	DATE: 08/95	NTS: 42-A/15	PROJECT: 8289
DRAWN: T S	DATE: 02/08/95	MAP No:	FILE: 8289 F
SUPERVISED: P J Hogart	DATE: 25/07/95	SCALE 1:20000 (metres)	
REVISED: d o l	DATE: 07/09/95	0 100 200 300 400	

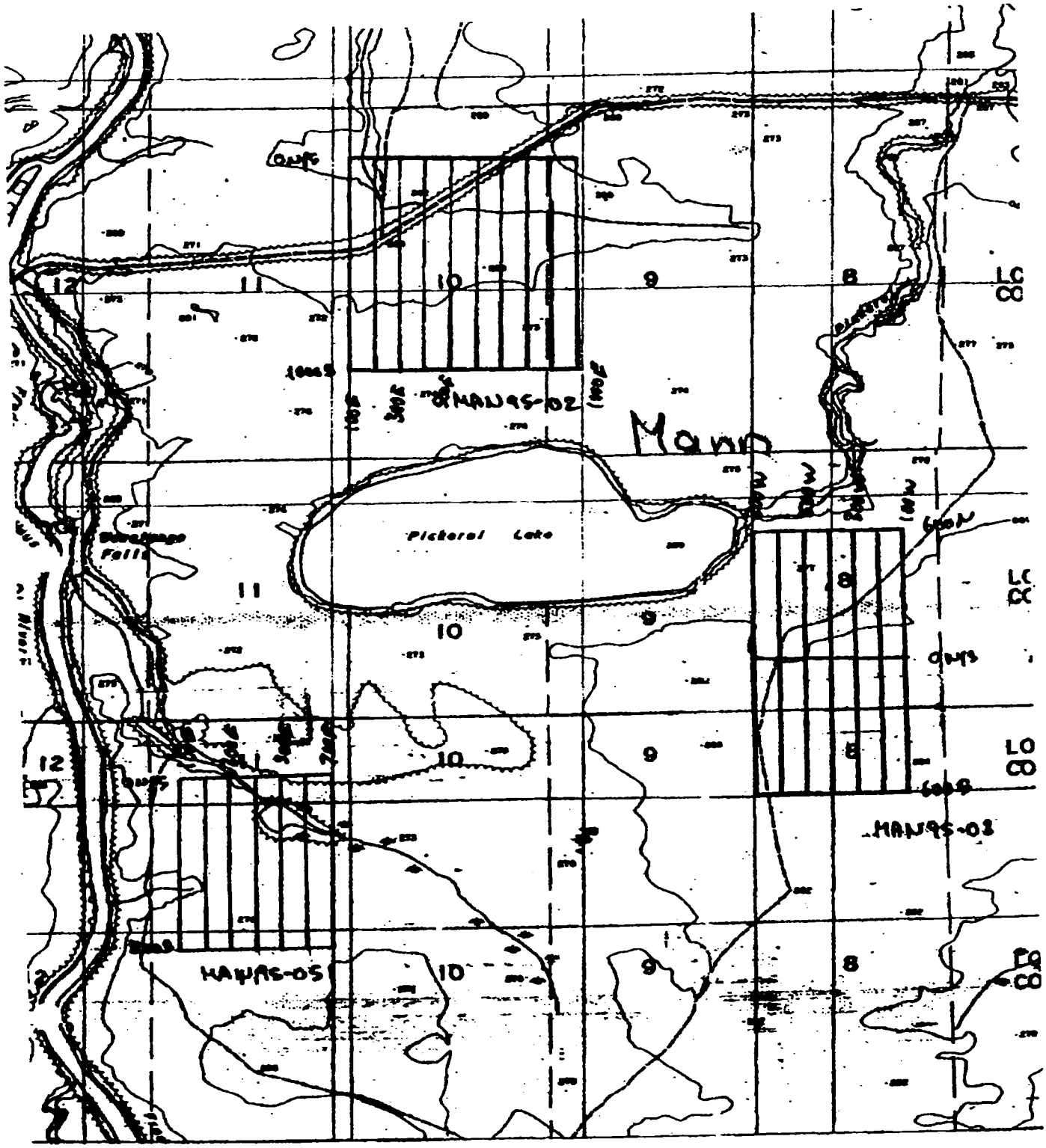


Fig. 2

Property Location Map
Grid Man 95-02,03,05

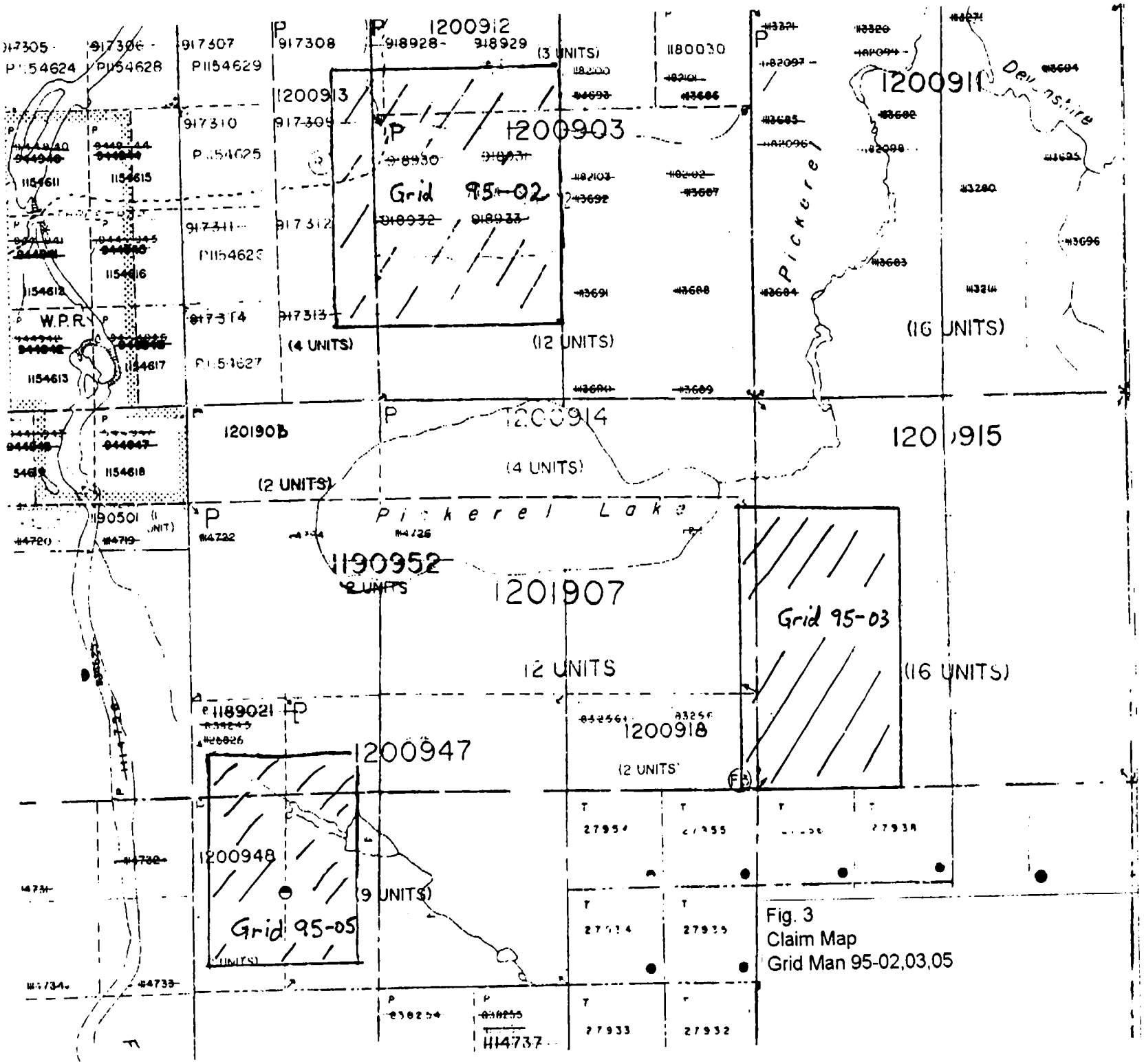


Fig. 3
Claim Map
Grid Man 95-02,03,05

EDA

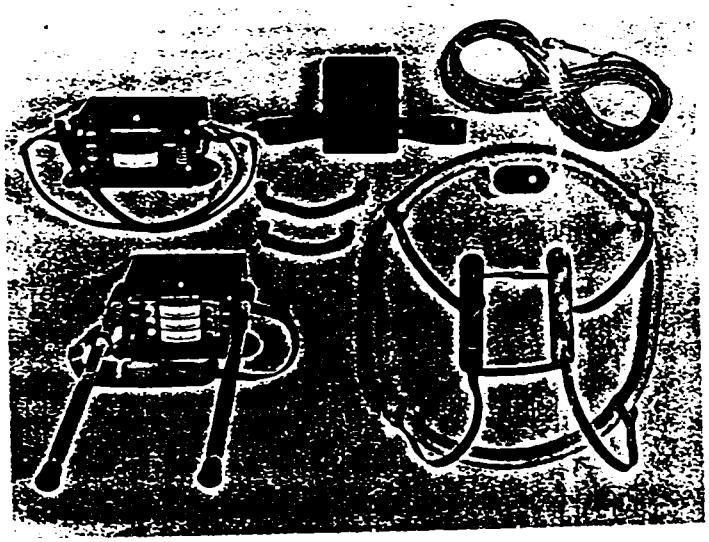
Specifications

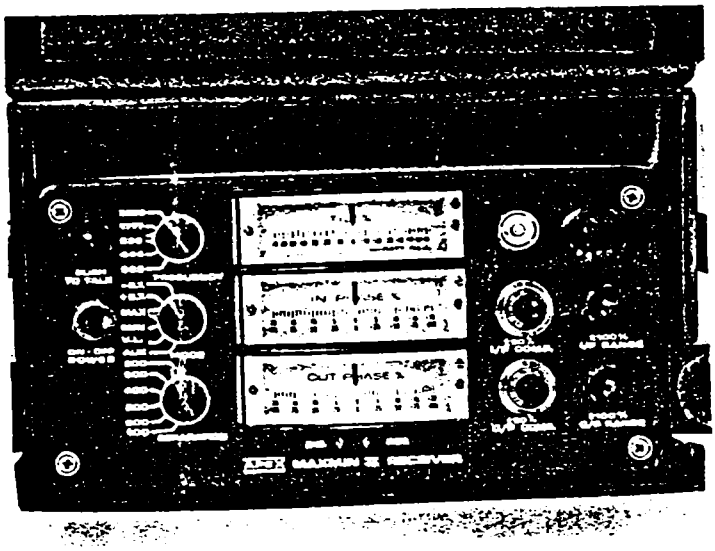
Dynamic Range	18,000 to 110,000 gammas. Roll-over display feature suppresses first significant digit upon exceeding 100,000 gammas.
Tuning Method	Tuning value is calculated accurately utilizing a specially developed tuning algorithm
Automatic Fine Tuning	± 15% relative to ambient field strength of last 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°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°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

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





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: 0.5 %. Tilt: 1%

Repeatability: ±0.5% to ±1% normally, depending on conditions, frequencies and coil separation used.

Transmitter Loop Moment:
- 222 Hz : 175 Atm^2
- 444 Hz : 160 Atm^2
- 888 Hz : 100 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, 0.5 Ah), less in cold weather.

Transmitter Batteries: 12V 7.5Ah Gel-Cell rechargeable batteries (2 × 6V in series).

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: 6kg (13 lbs.)

Transmitter Weight: 13kg (29 lbs.)

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

Specifications subject to change without notification.

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

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

Ontario Northern Development and Mines

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9560.00449

SEE PAGE 2.

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 comp
- Technical reports and maps must accompa
- A sketch, showing the claims the work is as

2.16308

42A14SE0012 2 16308 MANN

Recorded Holder(s): FALCONBRIDGE LIMITED		Client No. 130679 900
Address: 571 Moneta Ave. P.O. Box 1140 Timmins, Ont. P4N7H9		Telephone No. (705) 267-1188
Mining Division: PORCUPINE	Township/Area: MANN	M or G Plan No.
Dates Work Performed From: September 4, 1995	To: September 25, 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 Gri
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

RECEIVED
DEC 20 1995
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs $ 7186 ~~6800~~

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
NW Geophysics Ltd.	Box 3263 Thunder Bay Ont. P7B 5E8
Hillside Photo	66 Brousseau Ave. Timmins, Ont. P4N 5Y2
Frank Renaudat Expl.	Box 1092 Timmins, Ont. P4N 7H9

(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: Oct 10 '95	Signature: Paul Nagerl

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) Paul Nagerl

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
6800 #7186		Gary White undated	OCT 11 1995
	Deemed Approval Date Jan 9/96	Date Approved	010-26a (c) GC
	Date Notice for Amendments Sent		

41 (03/91)

Ontario Ministry of Northern Development and Mines

Report of Work Conducted After Recording Claim

Mining Act

MINERS PAGE 2.

Transaction Number: W9560.00449

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.

2.16308

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: HANN	M or G Plan No.
Dates Work Performed From: September 4, 1995	To: September 25, 1995	

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	LINECUTTING, MAGNETIC + HLEM SURVEYS
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

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DEC 20 1995
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs $ 386 (PART OF $7186 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
NEO GEOPHYSICS LTD	Box 3263 THUNDER BAY, ON P7B 5E8

(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 were recorded in the current holder's name or held under a beneficial interest in the current recorded holder.

Date: Nov. 28/95 — Signature of Agent (Signature): Christine Petit

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 completion and annexed report is true.

Name and Address of Person Certifying: CHRISTINE PETIT P.O. Box 1140, 571 Moneta Ave. Timmins, Ontario P4N 7H9

Phone No.	Date	Certified By (Signature)
(705) 267-1188	November 28, 1995	Christine Petit

Office Use Only

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

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NOV 30 1995
@ 11:15 (c) QA
PORCUPINE MINING DIVISION

0241 (03/91)

Total Number of Claims	Claim Number (see Note 2)	Number of Claim Units	Work Report Number for Applying Reserve	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Total Value Work Done	Total Value Work Applied	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date	Total Assigned From	Reserve
1	1200915	16		6800	6400	6800	6400		400 N/C		400 N/C

RECEIVED
DEC 2 6 1995
MINING LANDS SECTION

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.

W9560.00449

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

(0391)

Total Number of Claims	Claim Number (see Note 2)	Number of Claim Units	Work Report Number for Applying Reserve
1	120915	16	2.16308

Total Value Work Done	Total Value Work Applied	Value of Assessment Work Done on this Claim	Value Applied to this Claim
384	384	384	384

RECEIVED
DEC 20 1995
MINING LANDS BRANCH

Total Assigned From	Total Reserve	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date

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.
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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
W9560.00449

2.16308 SEE PAGE 2

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 quesiton 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	1000.00	1000.00
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type NW Geophys.	5527	
	Hillside Photo	80.00	
	F. Renaudat	60.00	5667
Supplies Used Fournitures utilisées	Type Flagging	10.00	
	Hip Chain		
			10.00
Equipment Rental Location de matériel	Type TRUCK	41.90	
	ATV	41.25	
	GAS	40.00	123.15
	Total Direct Costs Total des coûts directs		6800

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		
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) 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.

ling 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:

tal 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 =	

rtification Verifying Statement of Costs

ereby certify:
t the amounts shown are as accurate as possible and these costs re incurred while conducting assessment work on the lands shown the accompanying Report of Work form.

as PAUL NAGERL (Recorded Holder, Agent, Position in Company) I am authorized

ake this certification

OCT 11 1995

W 9560 (c) CE

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
Paul Nagerl	Oct 10'95

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

(4/91)

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Ontario

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

PAGE 2

Transaction No./N° de transaction
W9560.00449

2.16308

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 NW GEOPHYSICS	386.39	
			386
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		386

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)		386

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MINING LANDS

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		Valeur totale demandée
	× 0,5 =	

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 (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
Christine Petch	Nov. 28/95

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

Ontario

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: 2.16308
Transaction #: W9560.00449

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.1200915 IN MANN 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

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

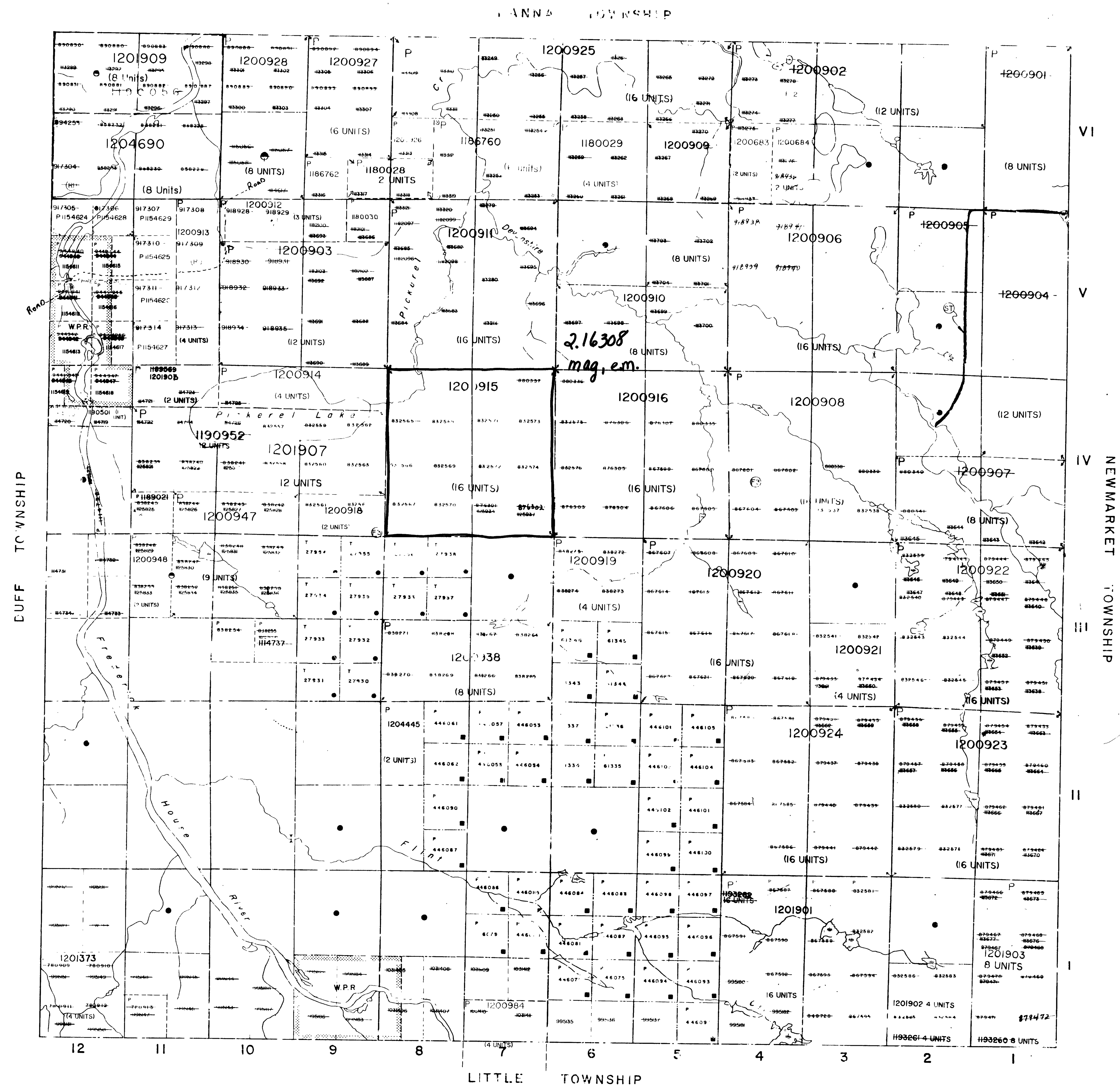
W.P.R. WATER POWER RESERVE

W.D. 87/87

(R) MINING AND SURFACE RIGHTS WITHDRAWN UNDER SECTION 36 OF THE MINING ACT (OCTOBER 15, 1987) see file 894253

SURFACE AND MINING RIGHTS RE-OPENED TO PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 36 OF THE MINING ACT R.S.O. 1980 EFFECTIVE 90-SEP-05 AT 7AM E.S.T ORDER NO. O-P 4/90 NR DATED 90-AUG-22.

NOTE: P1125837 PLOTTED IN ERROR. S/B P1114737.



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

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
RESERVATION
CANCELLED
SAND & GRAVEL
LAND USE PERMIT

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.

* L.U.P.

SCALE 1:20 000

(ST) SNOWMOBILE TRAIL (LAND USE PERMIT) NOTICE RECEIVED 92-DEC-09

2.16308

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DEC 20 1995
MINING LANDS BRANCH

DEC 15 1995
PORCUPINE MINING DIVISION

Received Sept 22/86

TOWNSHIP

MANN

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

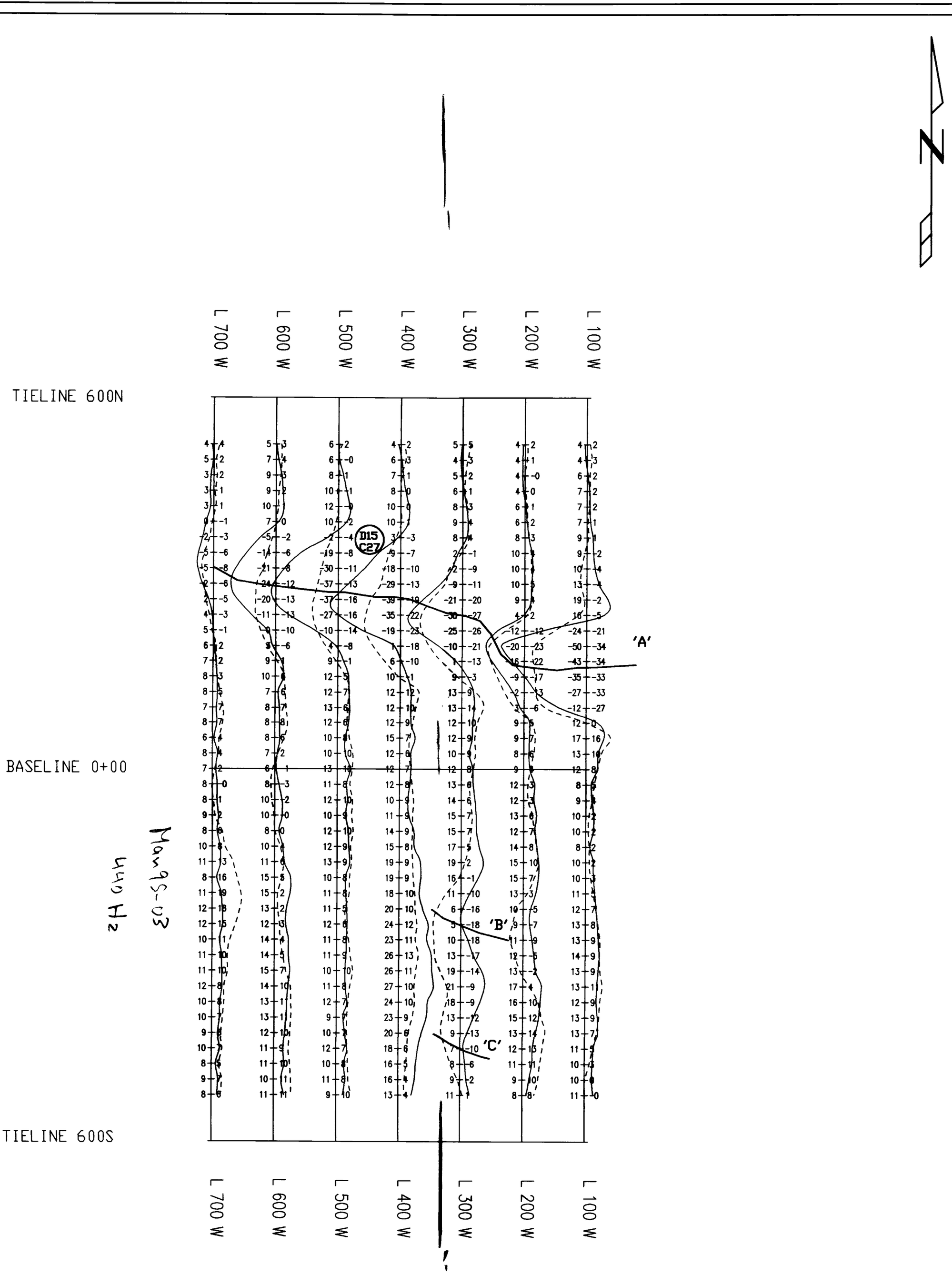
Ontario — Ministry of Natural Resources — Ministry of Northern Development and Mines

Date: SEPTEMBER, 1986
Number: **G-3537**

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.

42A14SE0012 2.16308 MANN

200



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DEC 20 1995

2.16308

MINING LANDS BRANCH

Dx = Depth in metres

Cx = Conductivity mhos

GRID MANN 95-03

Instrument	: MAXMIN
Coil Spacing	: 150m
Vertical Scale	: 1cm = 20%
Frequency	: 440Hz
In Phase	: 5%
Quadrature	: 0%

FALCONBRIDGE LIMITED

HLEM SURVEY

FREQ. 440 HERTZ

PROJECT: MANN BELT PROJECT # : 8269

BASELINE AZIMUTH : 90 Deg.

SCALE = 1: 5000 DATE : 9/ 9/95

SURVEY BY : NWG NTS : 42 A/15

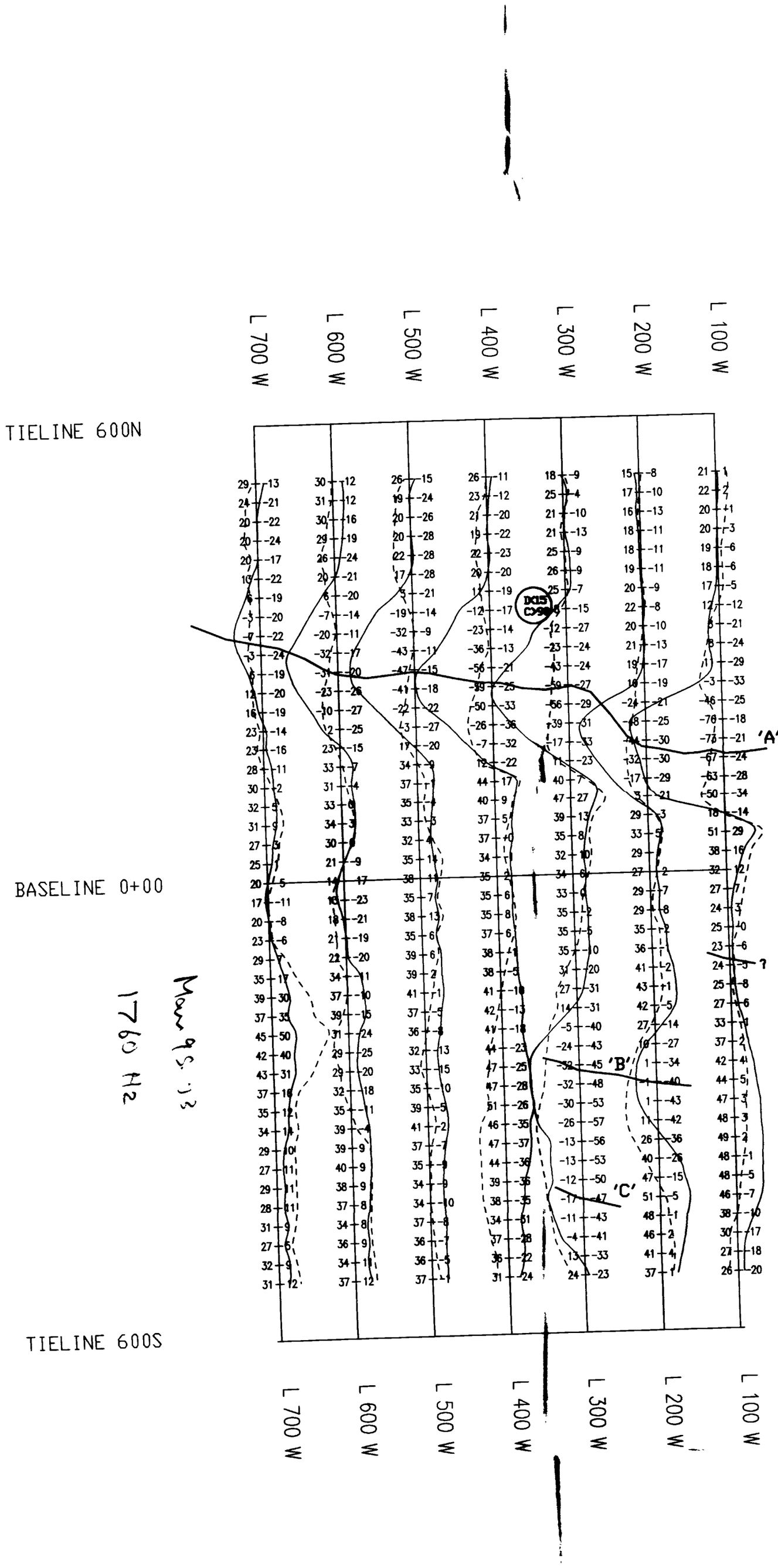
NORTHWEST GEOPHYSICS LTD.

42A14SE0012 2.16308 MANN

210

100m 50m 0m 100m 200m

D: \ACAD\DWG\HM950344 NWG



1760 Hz

May 95.13

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DEC 20 1995
MINING LANDS BRANCH

2.16308

Dx = Depth in metres
Cx = Conductivity mhos

GRID MANN 95-03

Instrument	: MAXMIN
Coil Spacing	: 150m
Vertical Scale	: 1cm = 40%
Frequency	: 1760 Hz
In Phase	: 20%
Quadrature	: -10%

FALCONBRIDGE LIMITED

HLEM SURVEY
FREQ. 1760 HERTZ
PROJECT: MANN BELT PROJECT # : 8269
BASELINE AZIMUTH : 90 Deg.

SCALE = 1: 5000 DATE : 9/ 9/95
SURVEY BY : NWG NTS : 42 A/15

NORTHWEST GEOPHYSICS LTD.

42A14SE0012 2.16308 MANN

220

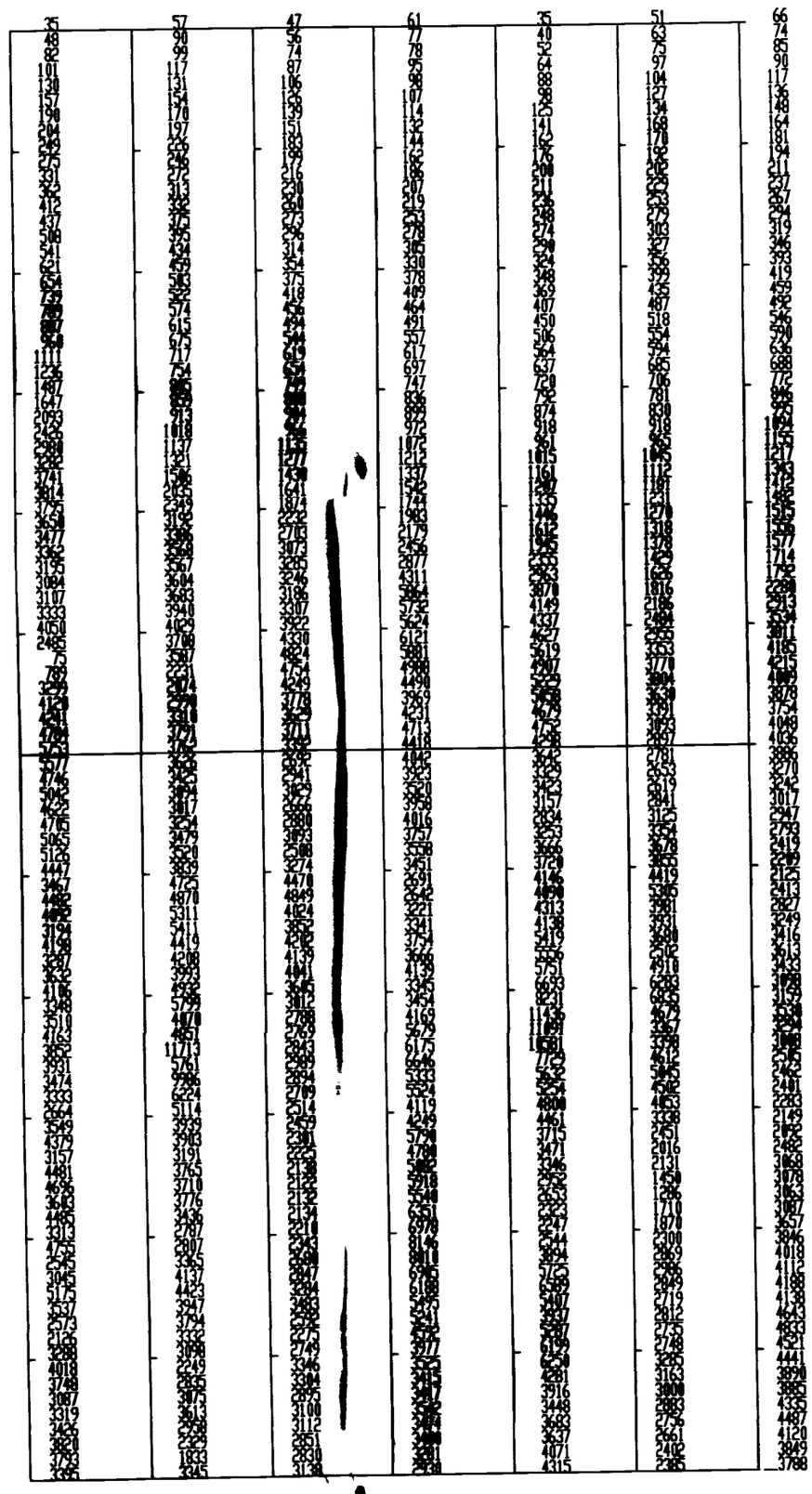
100m 50m 0m 100m 200m

D:\ACAD\DWG\HM950317 NWG

700W
600W
500W
400W
300W
200W
100W

N

TIELINE 600N



BASELINE 0+00

Mann 95-03
TFM

TIELINE 600S

2.16308

RECEIVED
DEC 20 1995
MINING LANDS BRANCH

42A14SE0012 2.16308 MANN

230

100m 50m 0m 100m 200m

D: \ACAD\DWG\953NUM NWG

GRID MANN 95-03

Instrument	: OMNI
Field	: TOTAL
Datum	: 59000.0 nT
Contour Interval	:
Conductor Axis	:

FALCONBRIDGE LIMITED

MAGNETOMETER SURVEY

PROJECT: MANN BELT — PROJECT # : 8269

BASELINE AZIMUTH : 90 Deg.

SCALE = 1 : 5000 — DATE : 9/18/95

SURVEY BY : NWG — NTS : 42 A/15

NORTHWEST GEOPHYSICS LTD.

700W 600W 500W 400W 300W 200W 100W

N

TIELINE 600N

BASELINE 0+00

Mann 95-03

TFM

TIELINE 600S

GRID MANN 95-03

42A14SE0012 2.16308 MANN

240

100m 50m 0m 100m 200m

Instrument : OMNI
Field : TOTAL
Datum : 59000.0 nT
Contour Interval :
Profile Scale : 2000 nT / Cm
Conductor Axis :

FALCONBRIDGE LIMITED

MAGNETOMETER SURVEY

PROJECT: MANN BELT PROJECT # : 8269

BASELINE AZIMUTH : 90 Deg.

SCALE = 1 : 5000 DATE : 9/18/95

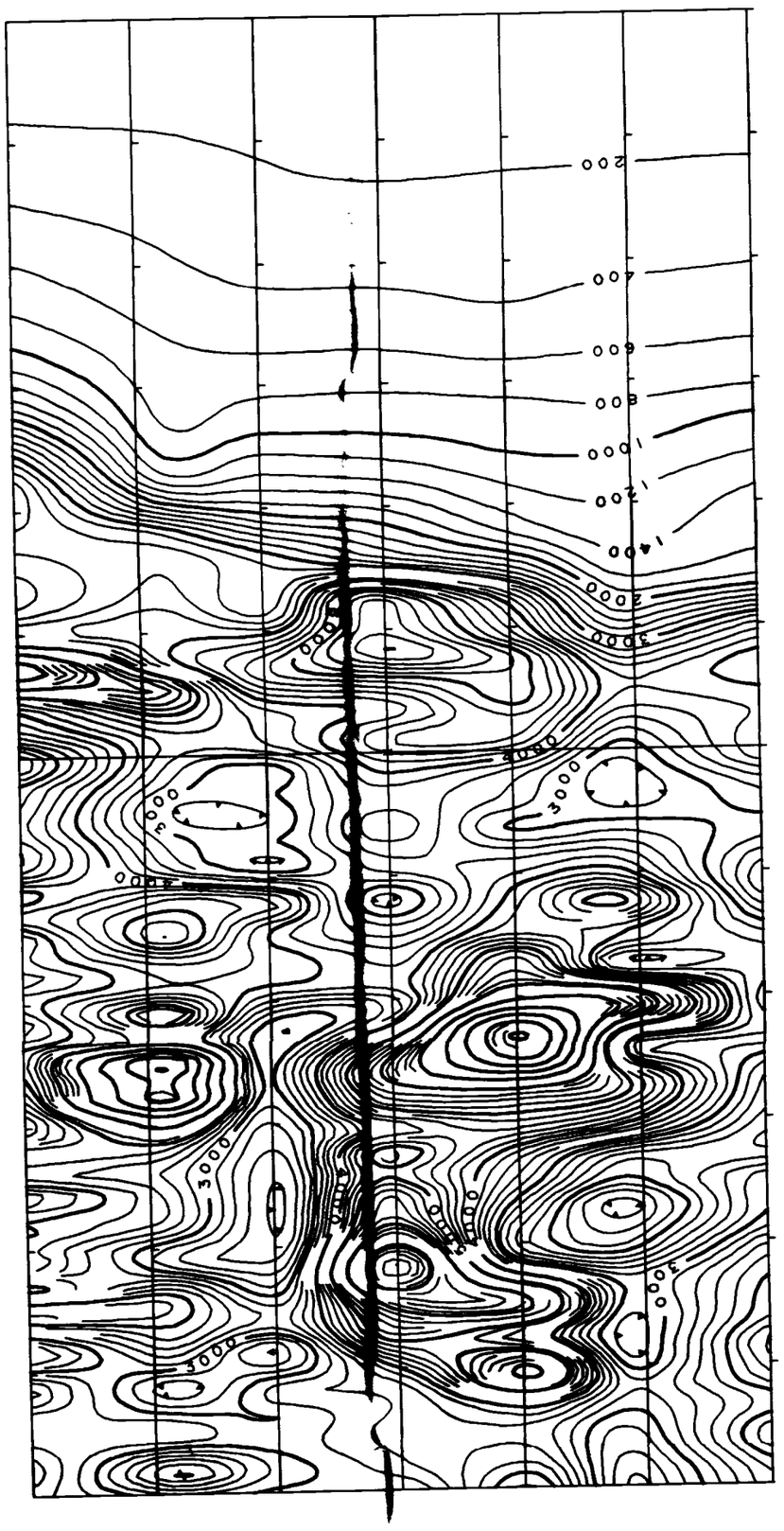
SURVEY BY : NWG NTS : 42 A/15

NORTHWEST GEOPHYSICS LTD.

D: \ACAD\DWG\953PRO NWG

700W 600W 500W 400W 300W 200W 100W

TIELINE 600N



BASELINE 0+00

MFL
Mar 15-03
TFM

TIELINE 600S

2.16308

GRID MANN 95-03

42A14SE0012 2.16308 MANN

250

100m 50m 0m 100m 200m

Instrument	: OMNI
Field	: TOTAL
Datum	: 59000.0 nT
Contour Interval	: 200 nT
Conductor Axis	:

FALCONBRIDGE LIMITED

MAGNETOMETER SURVEY

PROJECT: MANN BELT PROJECT # : 8269

BASELINE AZIMUTH : 90 Deg.

SCALE = 1 : 5000 DATE : 9/18/95

SURVEY BY : NWG NTS : 42 A/15

NORTHWEST GEOPHYSICS LTD.

D: \ACAD\DWG\953CON NWG