



42A14NE0033 2.16315 MANN

GEOPHYSICAL REPORT
FOR
FALCONBRIDGE LIMITED
ON
GRID 95-01
MANN BELT PROJECT
8269
MANN TOWNSHIP
PORCUPINE MINING DIVISION
NORTHEASTERN ONTARIO

Paul # 2.5244

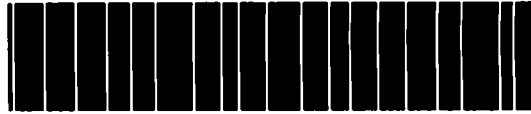
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DEC 20 1995

MINING LANDS BRANCH

Prepared by: Paul Nielsen
Northwest Geophysics Ltd.

2 163 15



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INTRODUCTION

The services of Northwest Geophysics Limited were retained by Falconbridge Limited to complete a linecutting and geophysical program on Grid 95-01, located in Mann and Hanna Townships 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.

The linecutting 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 #95-01 is located in the north-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 extending north from the Potter Road in the central part of Mann Township is then followed for approximately 2km. The grid can then be reached via a flagged trail that extends in a east-south-east direction for 1.2 km.

CLAIM GROUP

The claims which contains Grid 95-01 is as follows:

P-1200925 (16 units) Mann Twp

P-1207559 (16 units) Hanna Twp

Refer to Figure 3, copied from MNM Claim Map # G3537 Duff Township, scale 1:20,000 and Claim Map # G3507 Hanna 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 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 7.6 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 onto a vellum base map at a scale of 1:5,000. The data was then contoured at 100 gamma intervals wherever possible.

Copies of a contoured map, a map of reading postings, and a map of profiles 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 onto a vellum base map, one map for each frequency, at a scale of 1:5000. The data was then profiled at 1cm to 10% for 440 Hz. and 1cm to 20% 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 has indicated an anomalous zone extending for a minimum of 400m centred on L300E at 400S. The strongest part of the zone has an interpreted depth of 40m and conductivity of 29 mhos on the 440Hz. frequency and depth of 30m and conductivity of 90 mhos on the 1760 Hz frequency.

The magnetic survey has indicated a broad 250-300m wide, east trending feature with a maximum of 4900 nT above background. The E.M anomaly flanks the north side of this feature.

CONCLUSIONS AND RECOMMENDATIONS

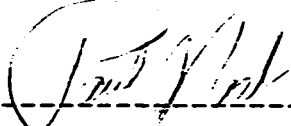
The surveys were successful in locating a significant conductive zone that warrants further work. Profile configuration indicates the zone is near vertical dipping and is strongest on L300E. The broad magnetic feature may represent a zone of sulphide (pyrrhotite) mineralization. The north edge of the feature may also represent a structural or lithological break. The zone represents a priority drill target that should be tested if a ground check does not indicate previous drilling.

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 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

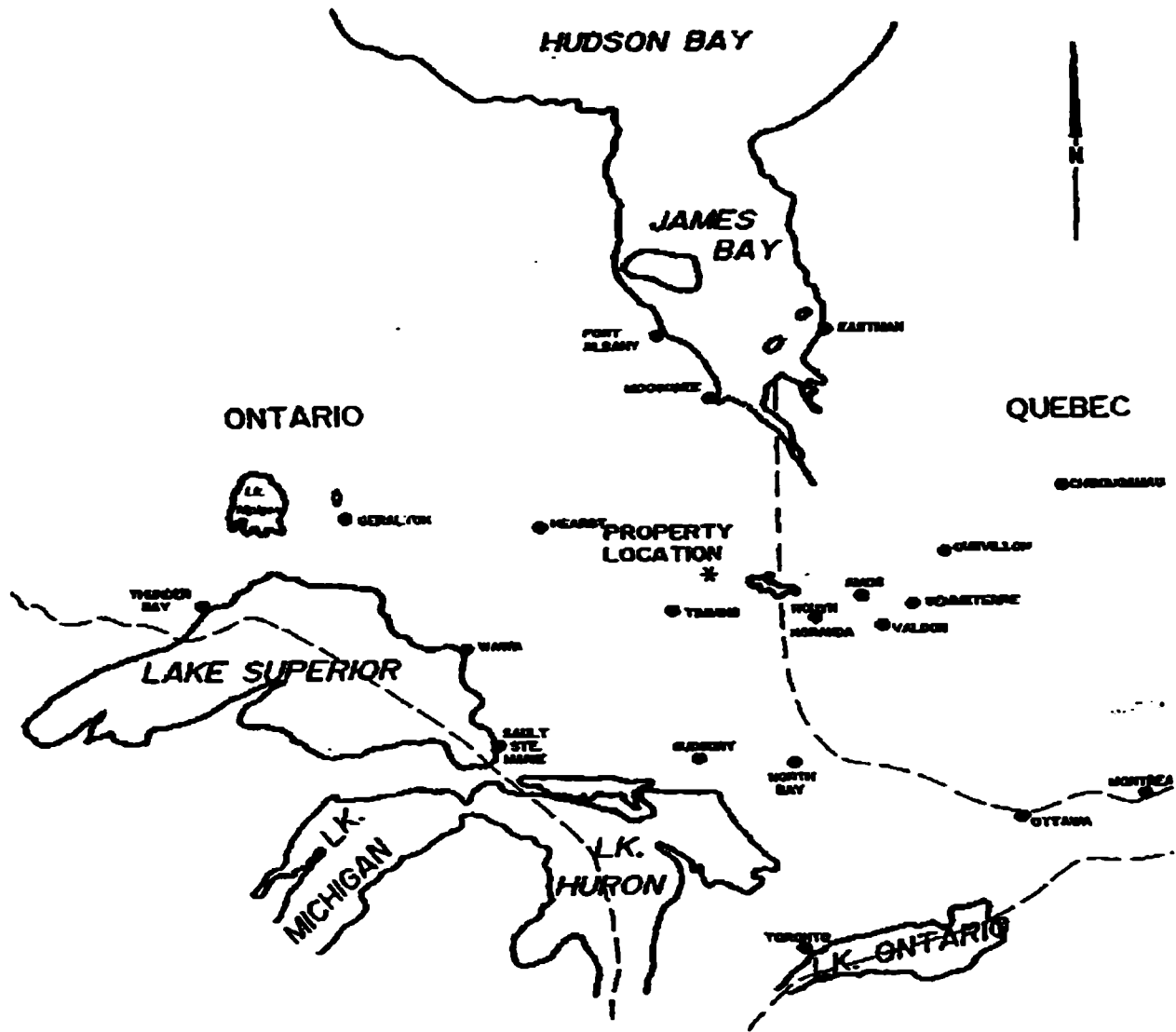
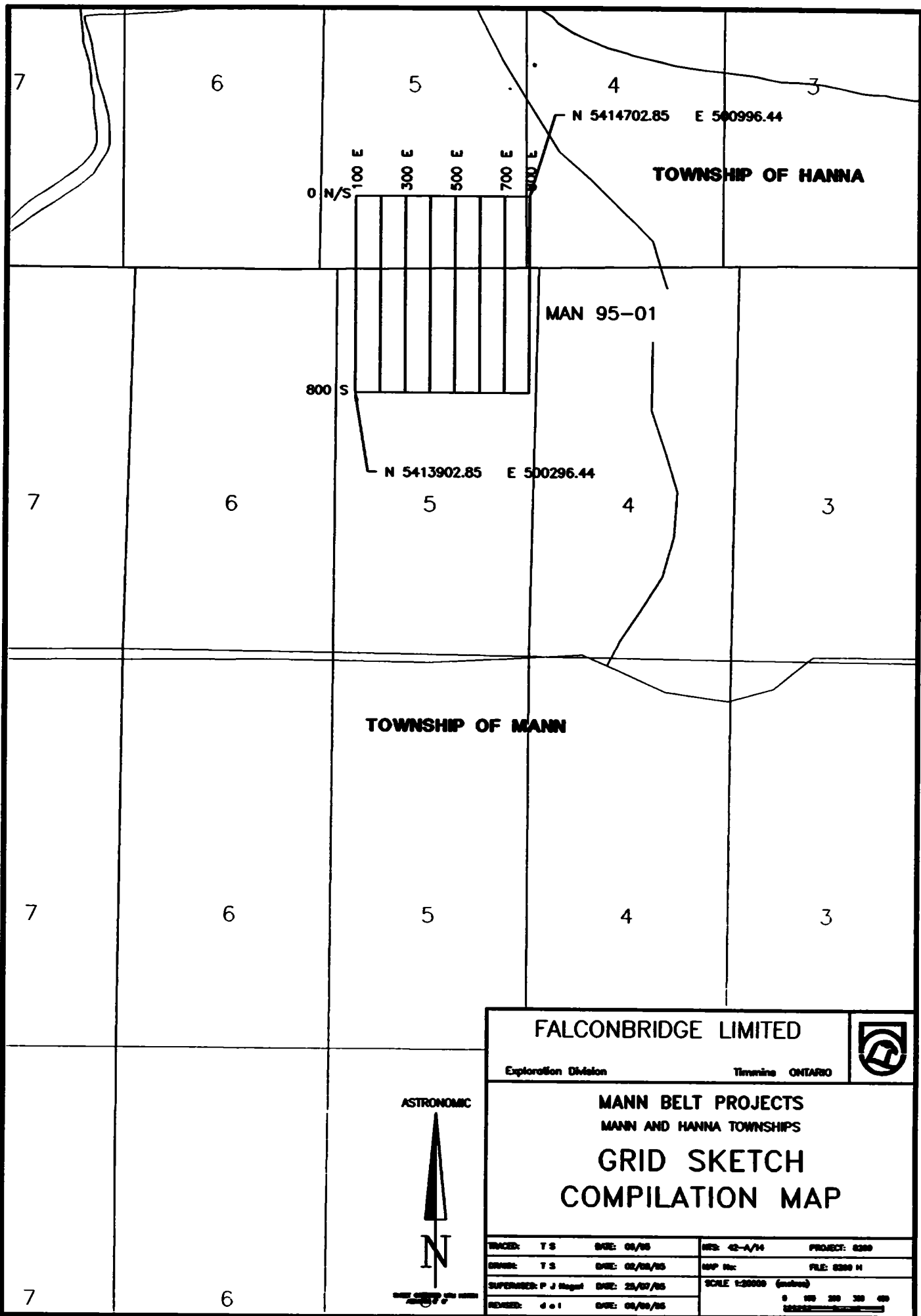


Fig. 1

Location Map

Mann Beit Project



FALCONBRIDGE LIMITED

Exploration Division

Timmins ONTARIO



**MANN BELT PROJECTS
MANN AND HANNA TOWNSHIPS**

**GRID SKETCH
COMPILATION MAP**

ASTRONOMIC



OTHER COPIES AND NOTES
HERE

TRACER: T S	DATE: 04/05	REV: 42-A/04	PROJECT: 0200
DRAWN: T S	DATE: 02/08/05	MAP No:	FILE: 0200 M
SUPERSEDED: P J Regal	DATE: 25/07/05	SCALE 1:20000 (metres)	
REVISED: 0 + 1	DATE: 04/08/05	0 100 200 300 400	

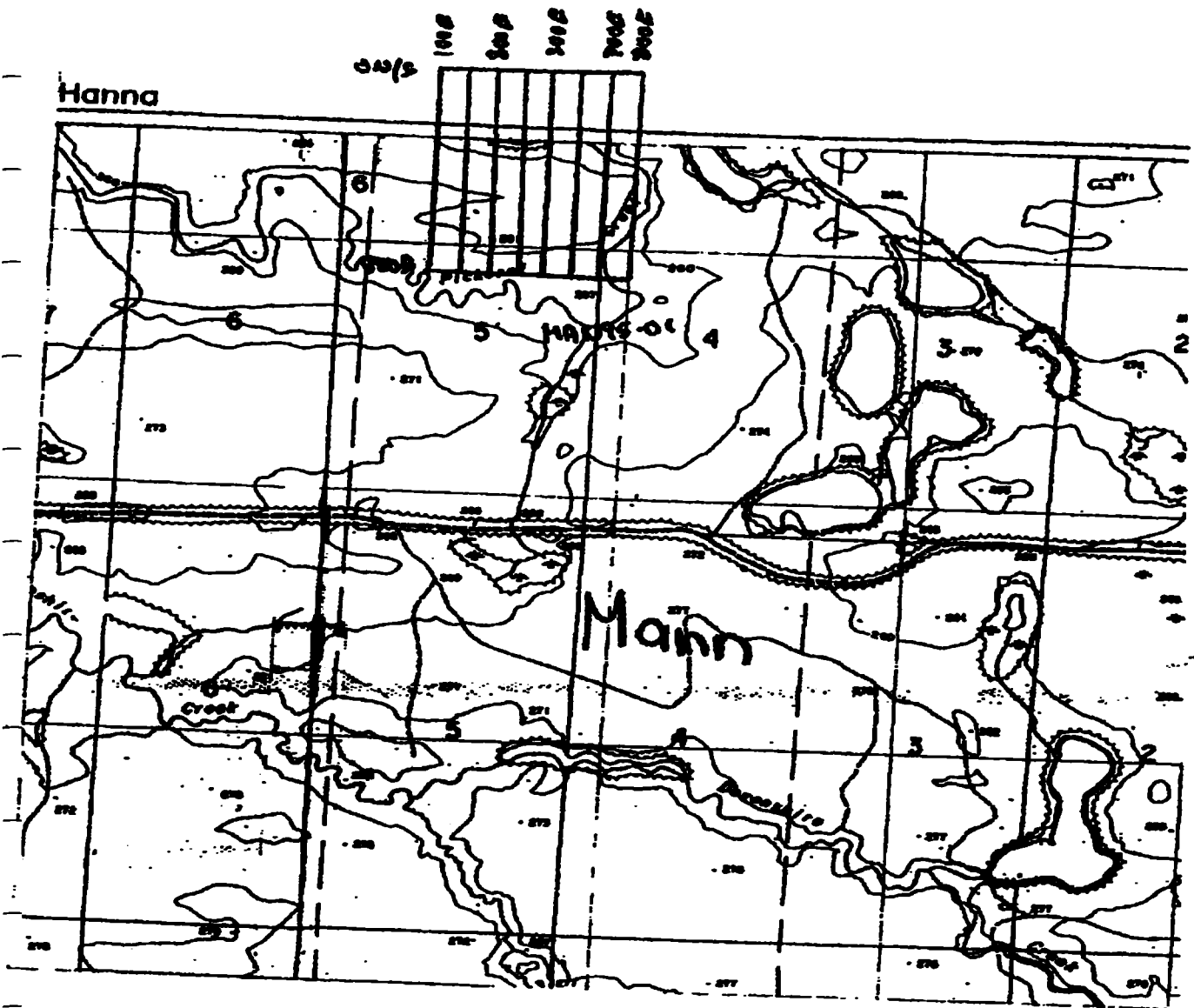


Fig. 2
 Property Location Map
 Grid Man 95-01

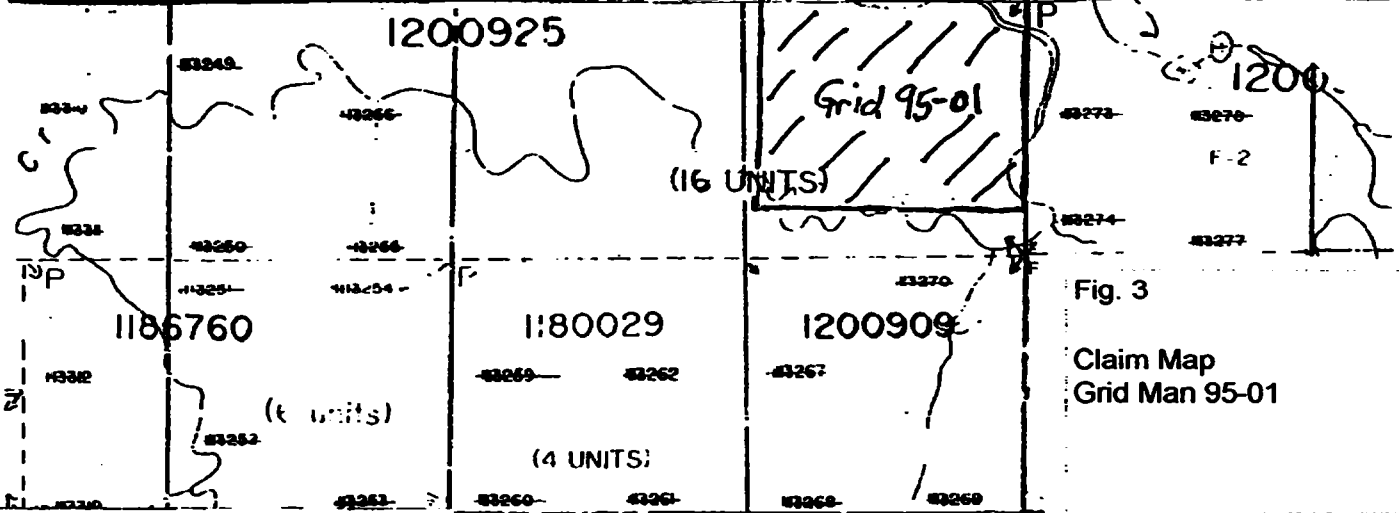
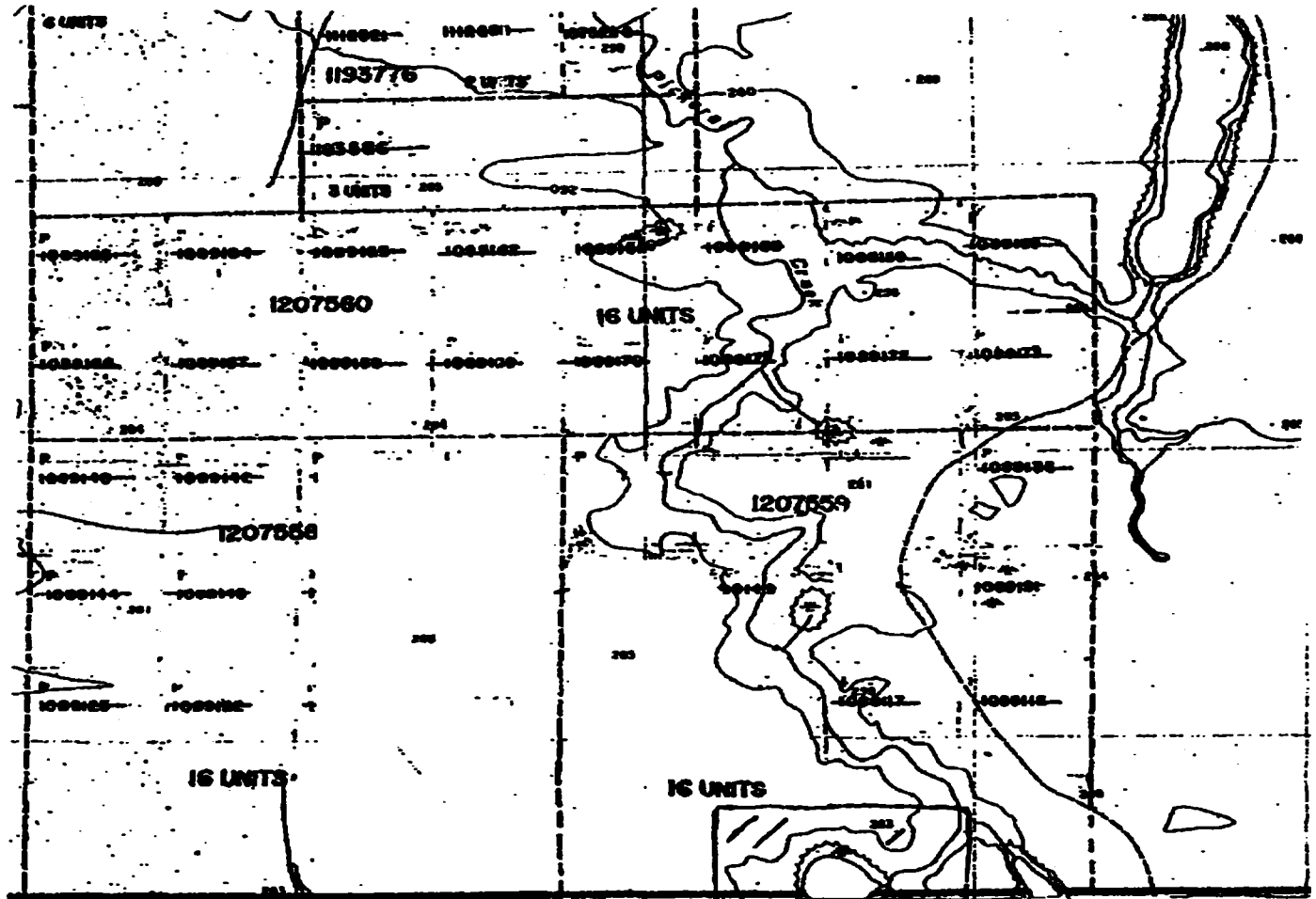


Fig. 3
Claim Map
Grid Man 95-01

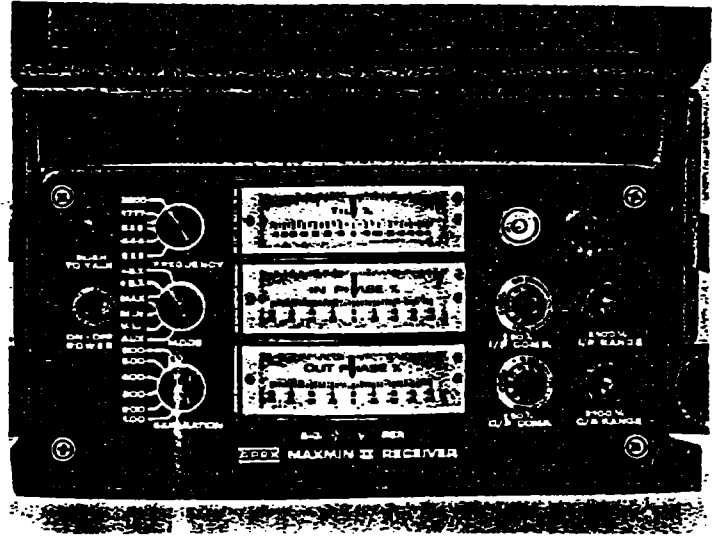
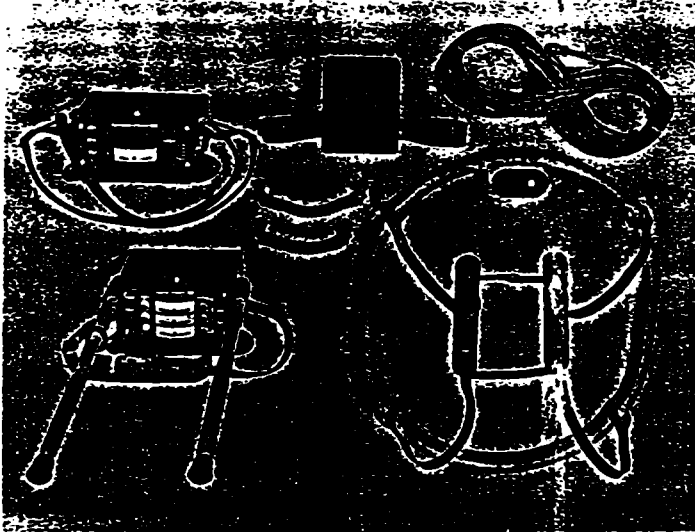
Specifications

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 0.5m separation-standard)	2.1 kg, 56mm diameter x 790mm
Gradient Sensor (1.0m separation-optional)	2.2 kg, 56mm diameter x 1300mm
Standard System Complement	Instrument console; sensor; 3-meter cable, aluminum sectional sensor staff, power supply, harness assembly, operations manual.
Base Station Option	Standard system plus 30 meter cable
Gradiometer Option	Standard system plus 0.5 meter sensor

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



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 & 250m (MMID or 100, 200, 300, 400, 600 and 800 ft. (MMIF)). Coil separations in V.L. mode not restricted to fixed values.

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

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

Scale Ranges: **In-Phase:** ±20%, ±10% by push-button switch.
Quadrature: ±20%, ±10% 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 Output: - 222Hz : 175 Atm²
- 444Hz : 160 Atm²
- 888Hz : 100 Atm²
- 1777Hz : 60 Atm²
- 3555Hz : 30 Atm²

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

Transmitter Batteries: 12V 7.5Ah Gel-Cell rechargeable batteries (2 x 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



Report of Work Conducted After Recording Claim

Mining Act

Transaction Number

W9560.00457

SEE PAGE 2

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



42A14NE0033 2 16315 MANN

900

- Instructions:
- Please type or print and submit in duplicate
 - Refer to the Mining Act and Regulations for Recorder.
 - A separate copy of this form must be completed 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 571 Moneta Ave. P.O. Box 1140 Timmins, Ont. P4N7H9		Telephone No. (705) 267-1188
Mining Division PORCUPINE	Township/Area MANN + HANNA	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 + NLEM Surveys
Physical Work, Including Drilling	Taking Air Photos + Spotting Grids
Rehabilitation	
Other Authorized Work	
Assays	
Assignment from Reserve	

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MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ ~~5596~~ **5300.00 C.P.**
 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. P4N5Y2
Frank Renaudot 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 report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.

Recorded Holder or Agent (Signature)
Oct 10 '95: **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 \$ 5596	Date Recorded	Mining Recorder Undated	Received Stamp
Deemed Approval Date Jan-09/96	Date Approved Jary White		OCT 11 1995
Date Notice for Amendments Sent			10:20 a.m. (c) CC
			PORCUPINE MINING DIVISION



Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W9560.00457

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) 670-7284.

- 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. 2-16315
Address P.O. Box 1140, 571 MONETA AVE. TIMMINS, ONTARIO P4N 7H9.		Telephone No. (705) 267-1188
Mining Division PORCUPINE	Township/Area MANN/HANNA	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	

RECEIVED
DEC 20 1995
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ 296 (PART OF \$5596 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
N.W. GEOPHYSICS LTD.	Box 3263 THUNDER BAY, ONT. 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 report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.

Date	Recorded Holder or Agent (Signature)
Nov. 28, 1995	Christine Petch

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		Certified By (Signature)
CHRISTINE PETCH P.O. Box 1140, 571 MONETA AVE. TIMMINS, ONTARIO P4N 7H9		Christine Petch
Telephone No.	Date	
(705) 267-1188	NOVEMBER 28, 1995	

For Office Use Only

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

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NOV 30 1995
ELLIS (C) R
PORCUPINE MINING DIVISION



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

W95-01

Transaction No./N° de transaction

W9560.00457

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

Les renseignements personnels contenus dans la présente formule se recueilli 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 renseignements au chef provincial des terrains miniers, ministère (Développement du Nord et des Mines, 150, rue Cedar, 4^e étage, Sudbu (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	800.00	800.00
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type NW Geophys.	423.7	
	Hillside Photo	80.00	1357
	F. Renaudat	40.00	
Supplies Used Fournitures utilisées	Type Flagging	10.00	
	Hip Chain		C.P.
			10.00
Equipment Rental Location de matériel	Type TRUCK	41.90	
	ATV	41.25	
	GAS	50.00	133.15
Total Direct Costs Total des coûts directs			5300

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 globa
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation 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
	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	Évaluation 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 PAUL NAGERL 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 Paul Nagerl Date Oct. 10 '95

OCT 11 1995

@ 10:20 a.m. (c) we
PONDUS DIVISION

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



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: 2.16315
Transaction #: W9560.00457

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 CLAIMS
P.1207559 & 1200925 IN MANN & HANNA TOWNSHIPS**

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:

A handwritten signature in black ink, appearing to read "Ron C. Gashinski".

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

A LJ/jl
Enclosure:

cc: Resident Geologist
Timmins, Ontario

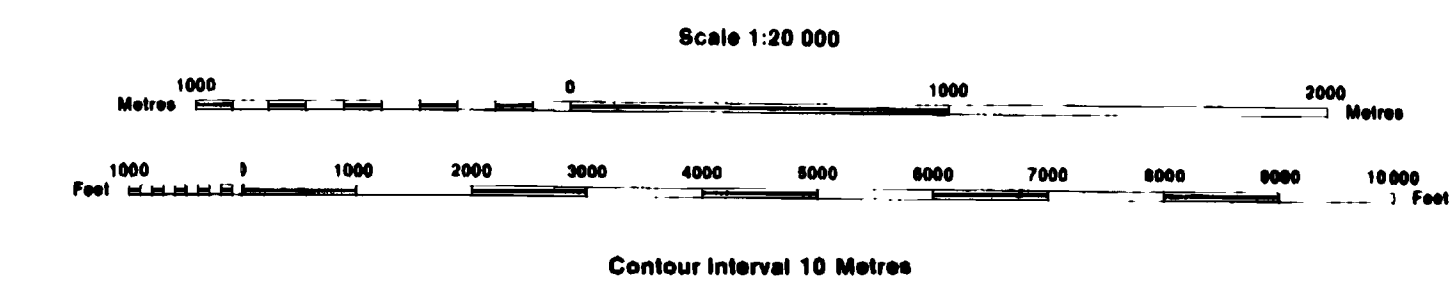
✓ Assessment Files Library
Sudbury, Ontario

INDEX TO LAND DISPOSITION

PLAN
 G-3507
 TOWNSHIP
HANNA

2-16315

M.N.R. ADMINISTRATIVE DISTRICT RECEIVED
COCHRANE
 MINING DIVISION DEC 20 1995
PORCUPINE MINING LANDS BRANCH
 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

- Boundary
- Township, Meridian, Baseline
- Road allowance, surveyed
- shoreline
- Lot/Concession, surveyed
- unsurveyed
- Parcel, surveyed
- unsurveyed
- Right-of-way, road
- railway
- utility
- Reservation
- Cliff, Pit, 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
 MRO - Mining Rights Only
 SRO - Surface Rights Only
 M+S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File
R3 SRO	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

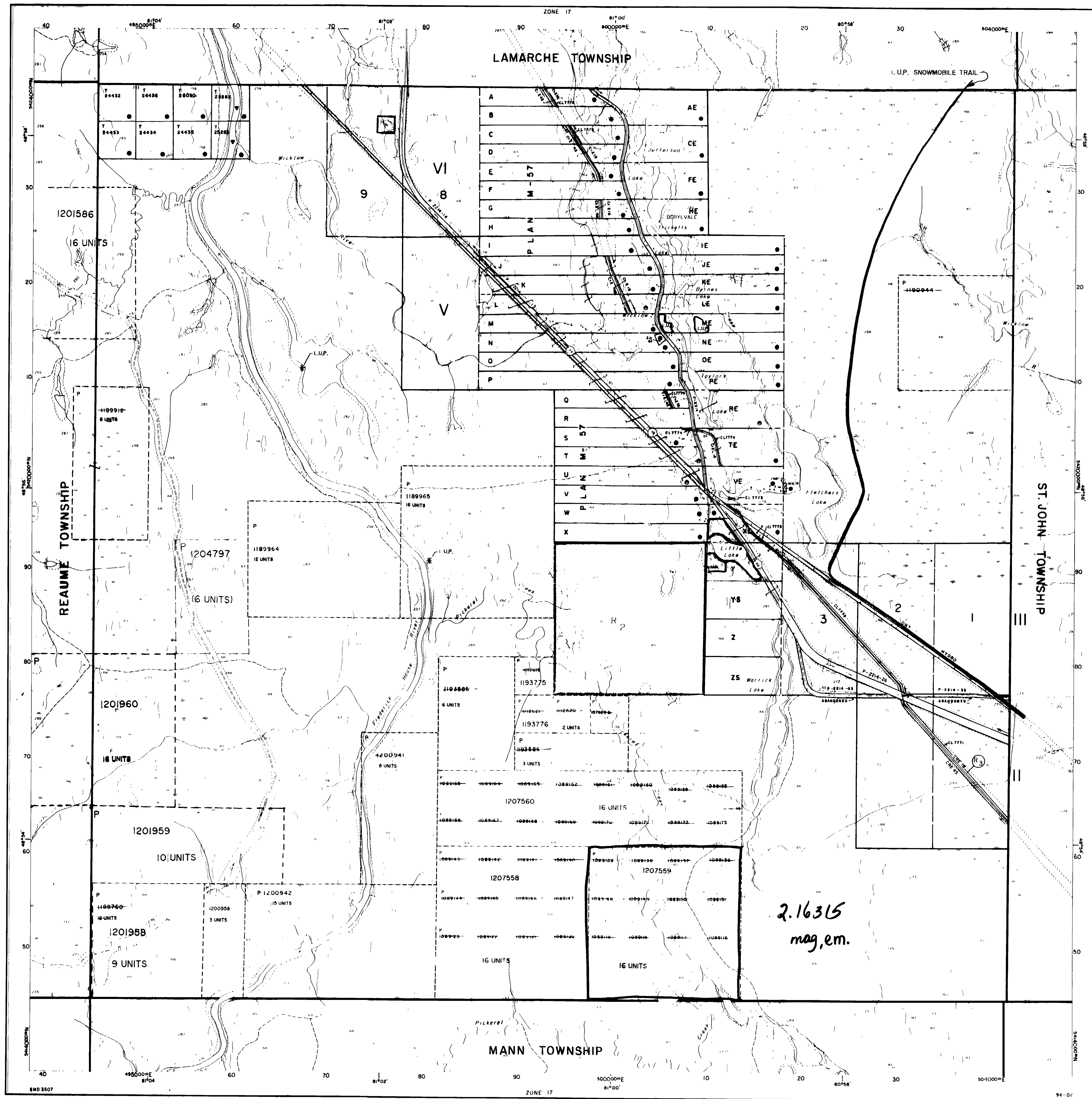
F1 - SUBJECT TO FORESTRY ACTIVITY IN 1994/95

R1 - WASTE DISPOSAL SITE ATTENUATION 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
- 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

0-3231

AREAS WITHIN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY
S.R.O. - SURFACE RIGHTS ONLY
M.R.S. - MINING AND SURFACE RIGHTS

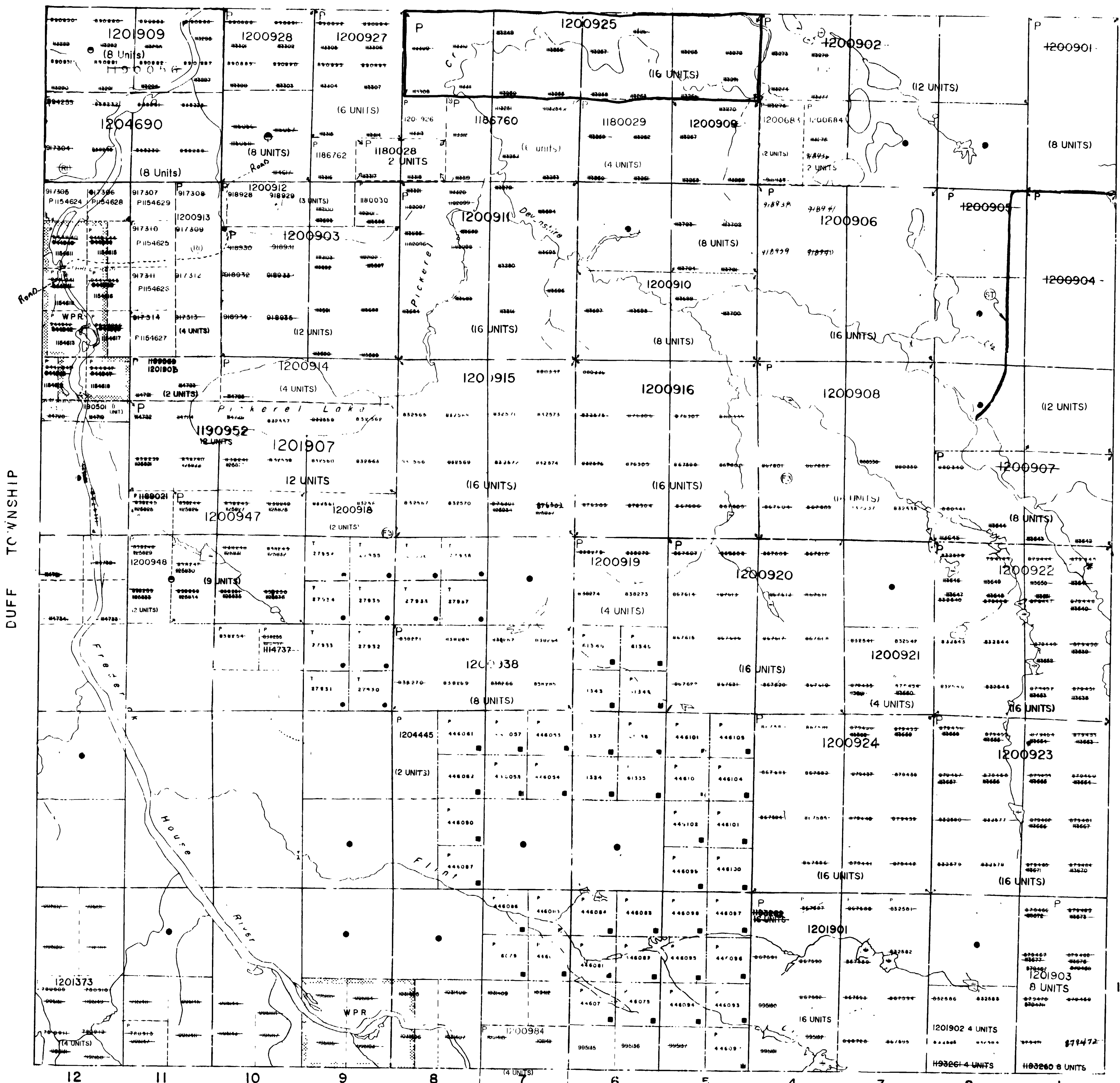
Description Order No. Date Disposition File

WATER POWER RESERVE

WO 87/87

MINING AND SURFACE RIGHTS WITHIN
SECTION 36 OF THE MINING ACT
OCTOBER 18, 1967 AND THE 894829
SURFACE AND MINING RIGHTS RE-OPENED TO PROSPECTING,
STAKE OUT, SALE OR LEASE UNDER SECTION 36
OF THE MINING ACT R.S.O. 1960
EFFECTIVE 04-01-87 AT 7AM L.S.T.
ORDER NO. O-P 4/90 RE DATED 90-AUG-82.

NOTE: P1125837 PLOTTED IN ERROR.
S/B P114737.



2.16315
mag, e.m.

MANN TOWNSHIP

DUFF TOWNSHIP

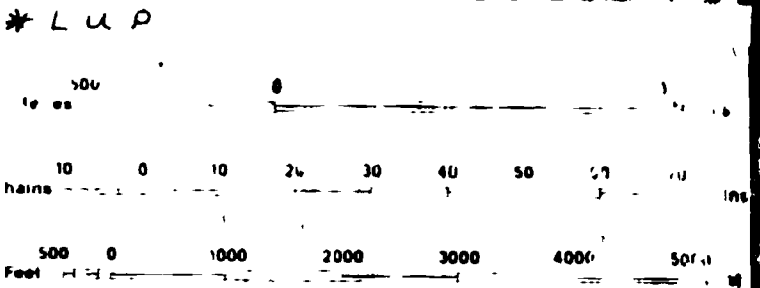
LITTLE TOWNSHIP

LEGEND

- HIGHWAY DISTRICT No.
- CHURCH
- TRAILS
- CURVED LINES
- TOWNSHIP BASE LINE
- LOTS MINING CLAIMS
- MINING CLAIMS
- RAILWAY RIGHT OF WAY
- UTILITY LINES
- NON PERMANENT STREAM
- FLOODING OR FLOOD RIGHTS
- SUBDIVISION OR COMPLETE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- A LASH OR MUSKEG
- MINES
- REVERSE MONUMENT

DISPOSITION OF CROWN LAND

- TYPE OF DOCUMENT
- PATENT SURFACE & MINING RIGHTS
- SURFACE RIGHTS ONLY
- MINING RIGHTS ONLY
- LEASE SURFACE & MINING RIGHTS
- SURFACE RIGHTS ONLY
- MINING RIGHTS ONLY
- LICENSE OF OCCUPATION
- ORDER IN COUNCIL
- RESERVATION
- CANCELLED
- SALT & GRAVEL
- LAND USE PERMIT
- NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO 1912, VESTED IN ORIGINAL PATENTEE BY LAND ACT R.S.O. 1970 CHAP. 380 SEC. 6. (4)



SCALE 1:20 000

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

2.16315

FIG. 15.19

PORCUPINE MINING DIVISION

RECEIVED

DEC 20 1995

Received MINING LANDS DIVISION

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

Ministry of Natural Resources Ontario
Ministry of Northern Development and Mines

SEPTEMBER 1986
G-3537

MANN

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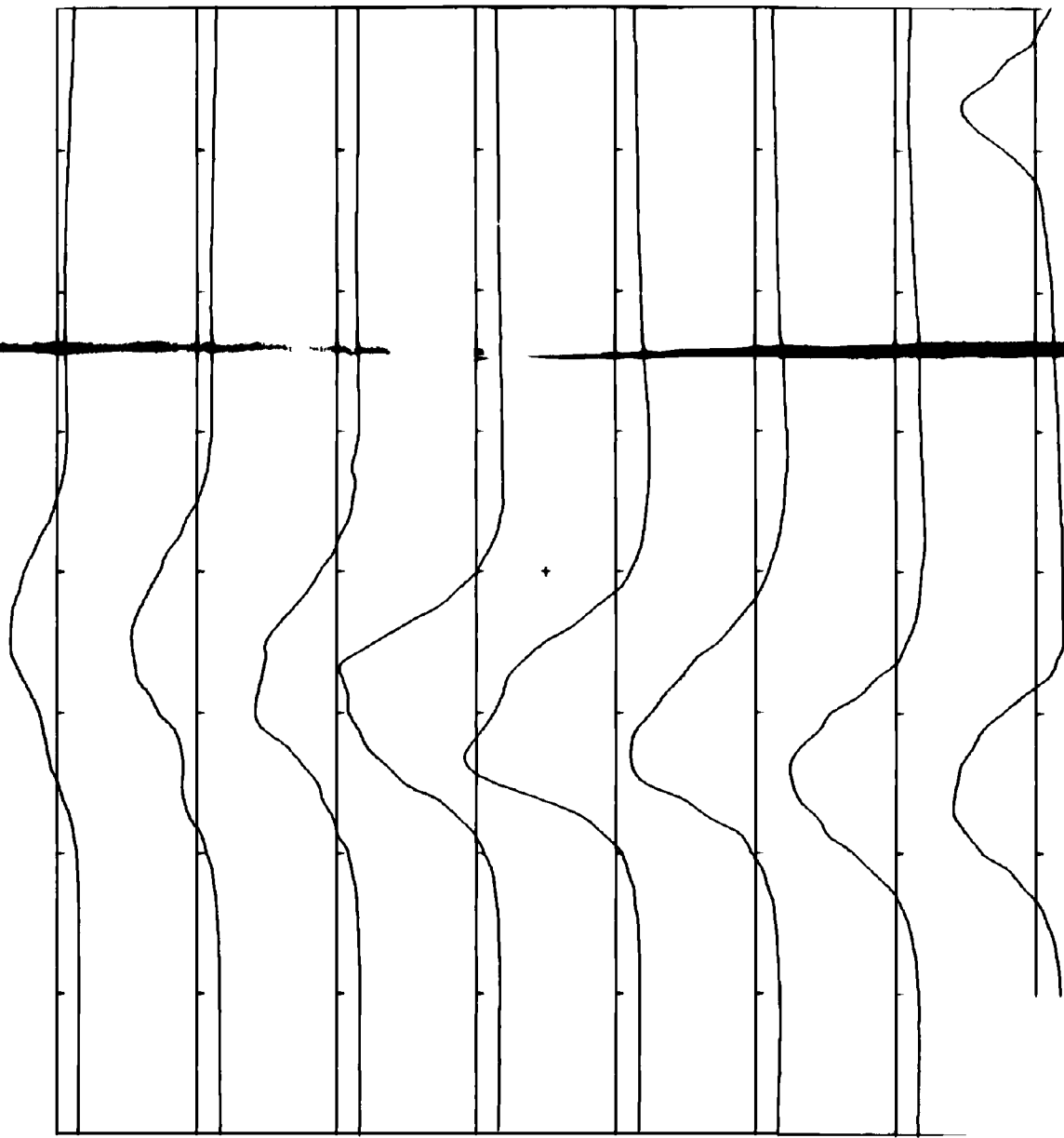


Printed on 11/18/95 at 10:54 AM. Plot of 400 62/531.E. Normal profile centered on 1251.0 at Serial 8 10912. Registered User: NORTHWEST GEOPHYSICS LTD.



100E
200E
300E
400E
500E
600E
700E
800E

BASELINE 0+00



TIELINE 8+00S

RECEIVED **2.16315**
DEC 20 1995
MINING LANDS BRANCH

GRID MAN 95-01



Instrument : DMH
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 : NVG	NTS : 42 A/16
NORTHWEST GEOPHYSICS LTD.	

D VA



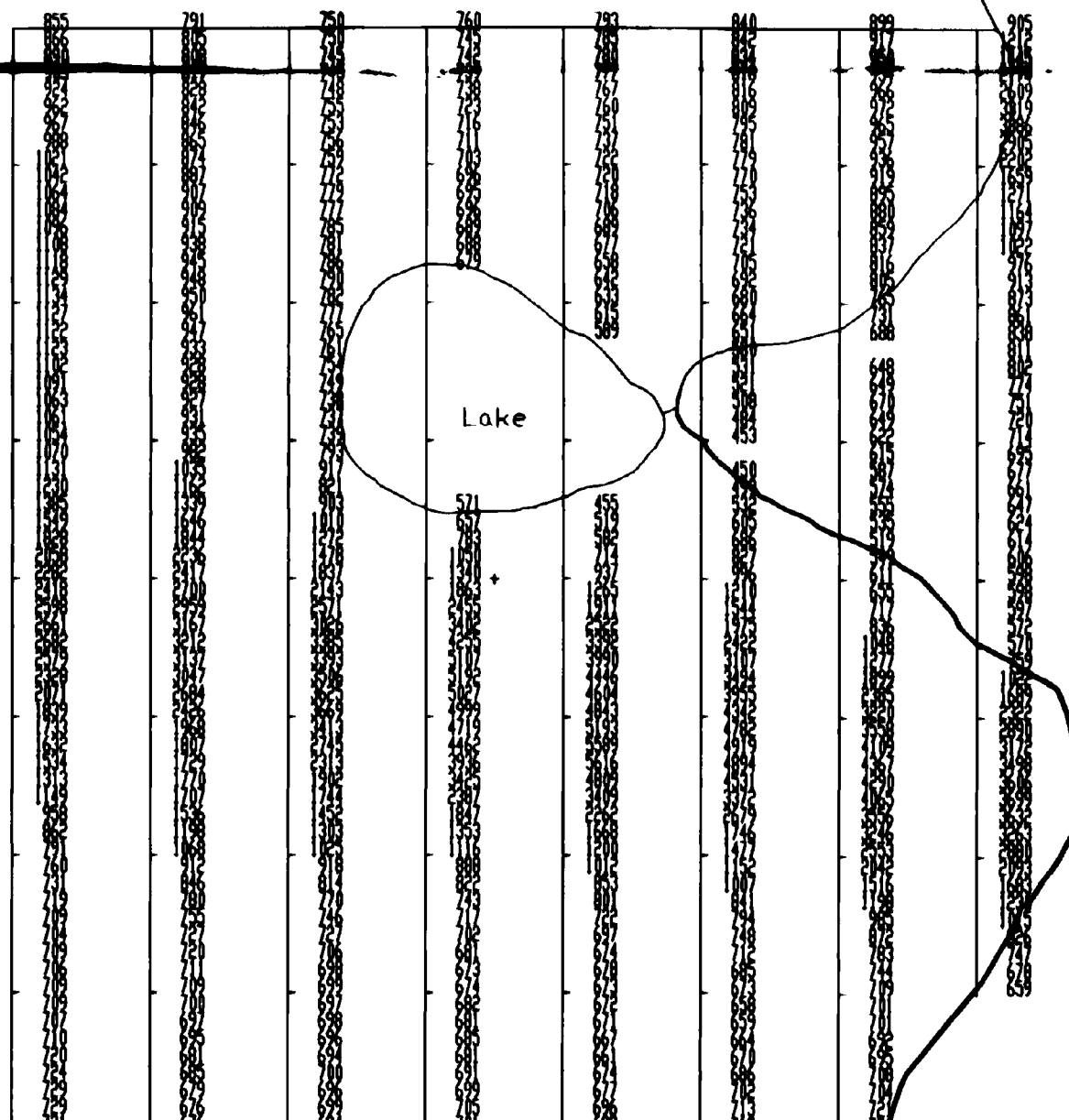
Print 5.02 Thu 23 Sep 1995 13:18:17 Computer plot at 400 300 DPI. Serial & printer registered with the DISTRICT GEOPHYSICS LTD.



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200E
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BASELINE 0+00

TIELINE 8+00S



RECEIVED
DEC 20 1995
MINING LANDS BRANCH
2.16315

GRID MAN 95-01



Instrument : DPH1
Field : TOTAL
Datum : 59000.0 nT
Contour Interval :
Conductor Axis :

FALCONBRIDGE LIMITED
MAGNETOMETER SURVEY
PROJECT: MANN BELT PROJECT #: 0269
BASELINE AZIMUTH: 90 Deg.
SCALE = 1 : 5000 DATE: 9/18/95
SURVEY BY: NWG NTS: 42 A/16
NORTHWEST GEOPHYSICS LTD.

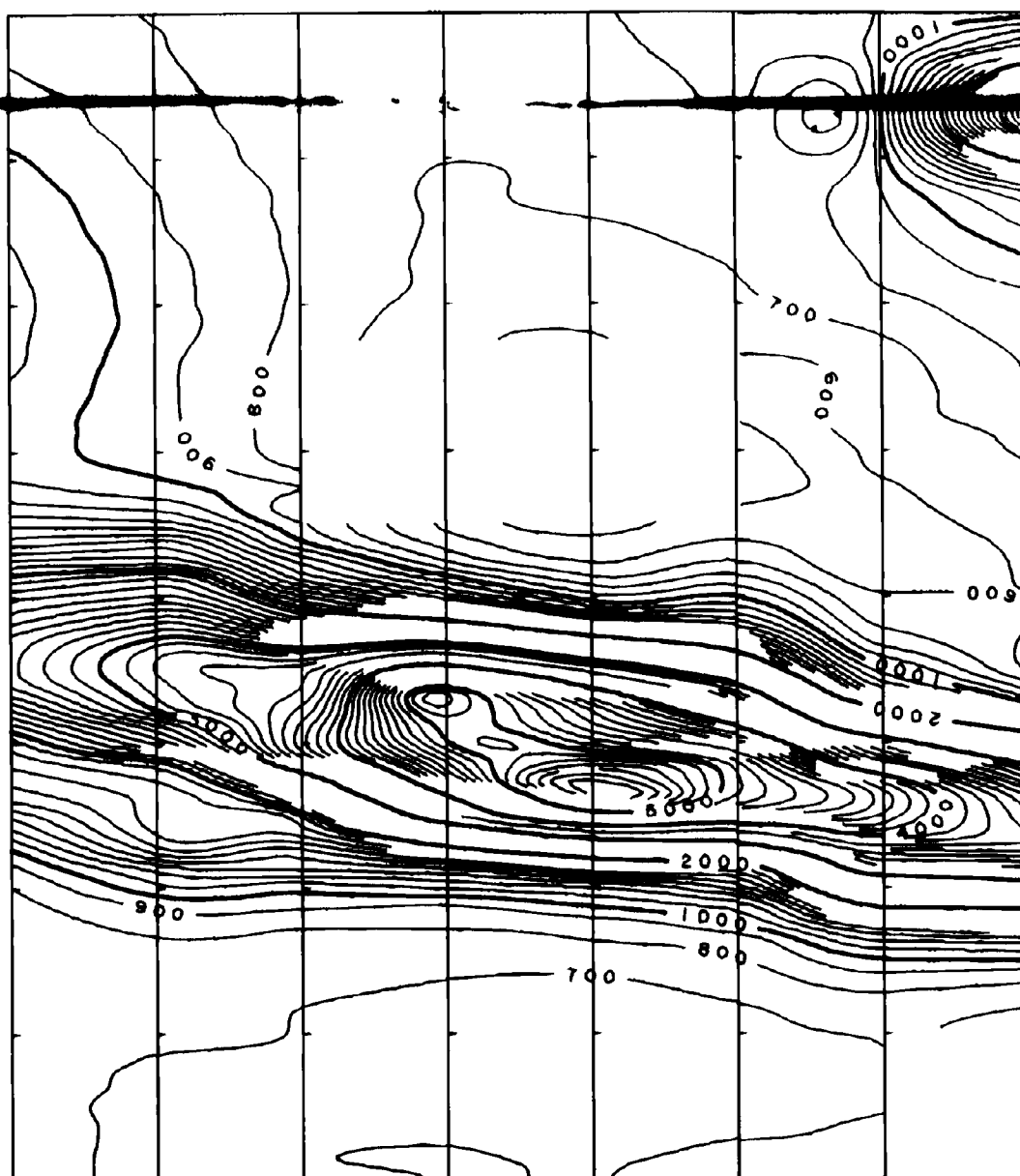


Year 5 82 The 21 Sep 1995 at 17:38 Centre of plot at 441.82/451.82 Serial 8 199402 Northwest Geophysics Ltd.



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600E
700E
800E

BASELINE 0+00



TIELINE 8+00S

RECEIVED
DEC 20 1995
MINING LANDS BRANCH

2.16315

GRID MAN 95-01



Instrument	: DMEI
Field	: TOTAL
Datum	: 59000 0 nT
Contour Interval	: 100 nT
Conductor Axis	:

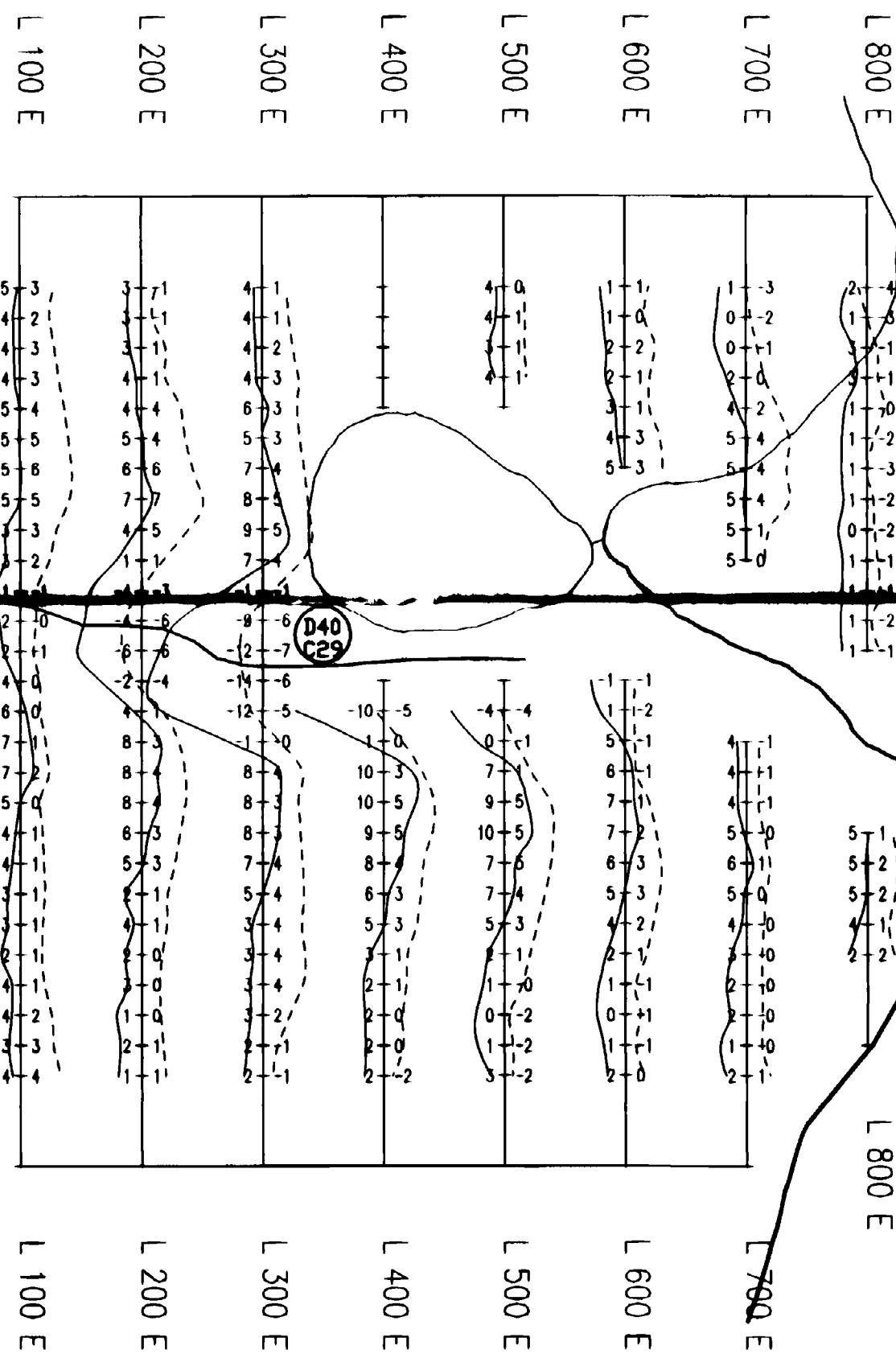
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MAGNETOMETER SURVEY	
PROJECT: MANN BELT	PROJECT #: 8269
BASELINE AZIMUTH: 90 Deg.	
SCALE = 1 : 5000	DATE: 9/18/95
SURVEY BY: NWG	NTS: 42 A/16
NORTHWEST GEOPHYSICS LTD.	





BASELINE 0+00

TIELINE 8+00S



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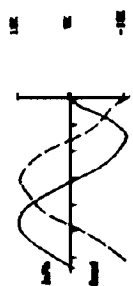
DEC 20 1995

MINING LANDS BRANCH

2.163 15

Conductivity mhos

GRID MAN 95-01



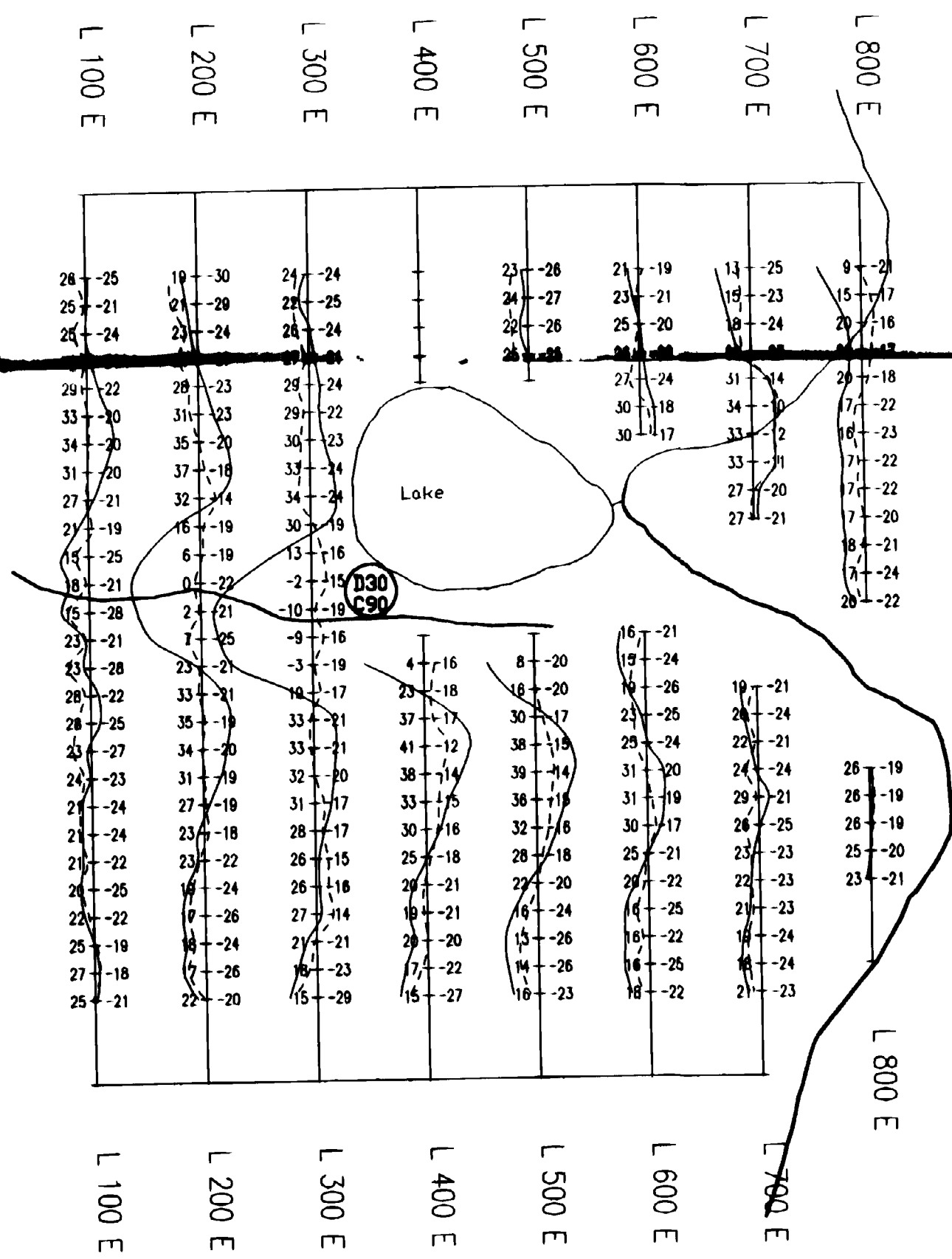
Instrument : MARIIN
 Coil Spacing : 150m
 Vertical Scale: 1cm = 10k
 Frequency : 440 Hz
 In Phase : 5k
 Quadrature : -3k

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 : NVG	NTS : 42 A/16
NORTHWEST GEOPHYSICS LTD.	





BASELINE 0+00



TIELINE 8+00S

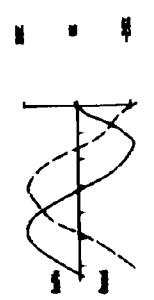
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RECEIVED
DEC 20 1995

MINING LANDS BRANCH

Depth in metres
 Conductivity mhos

GRID MAN 95-01



Instrument : MANNIN
 Coil Spacing : 150m
 Vertical Scale : 1cm = 20x
 Frequency : 1760 Hz
 In Phase : 25x
 Quadrature : -20x

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/16
NORTHWEST GEOPHYSICS LTD.	

