

Duff 25-01



42A14SE0017 2.16305 DUFF

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MINING LANDS DIVISION

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

2.16305

Duff # 2.5244

Prepared by: Paul Nielsen
Northwest Geophysics Ltd.



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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 Duff 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 Belt 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 #95-01 is located in the north-east part of Duff Township, Porcupine Mining Division, District of Cochrane, Northeastern Ontario (Fig. 2).

Access to the property was ideal during the survey period. Highway 11 North extends west from the Town of Cochrane and provides access to the Dunn Lake Road which extends south through Fournier Township and Reaume Township where a branch road extends east from Reaume Lake to immediately north of the grid. The grid can be reached by 2 wheel vehicle from Cochrane in approximately 35 minutes.

CLAIM GROUP

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

- P- 1204745 (8 units)
- P- 1200932 (8 units)

Refer to Figure 3, copied from MNDM Claim Map # G3234 Duff Township, scale 1 inch=2640 feet.

PERSONNEL

Linecutting was completed on the property 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 8.6 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 located two weak one line responses best defined on 1760 Hz frequency. They are located on L200W at 550S and L400W at 750S. The L200W anomaly has an interpreted depth of 65m and a conductivity of 11 mhos. The magnetic survey indicates a west to northwest trending feature extending from L700W-150S to L100W-400S, increasing in magnetic intensity toward the east. The L400W E.M. anomaly is centred over a magnetic low feature extending from L300W-900S to L500W-775S.

CONCLUSIONS AND RECOMMENDATIONS

The surveys located two relatively weak but deep EM anomalous zones with corresponding weak magnetic association. To better define these zones a time domain pulse EM survey with deeper penetration capability is recommended before drill testing.

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

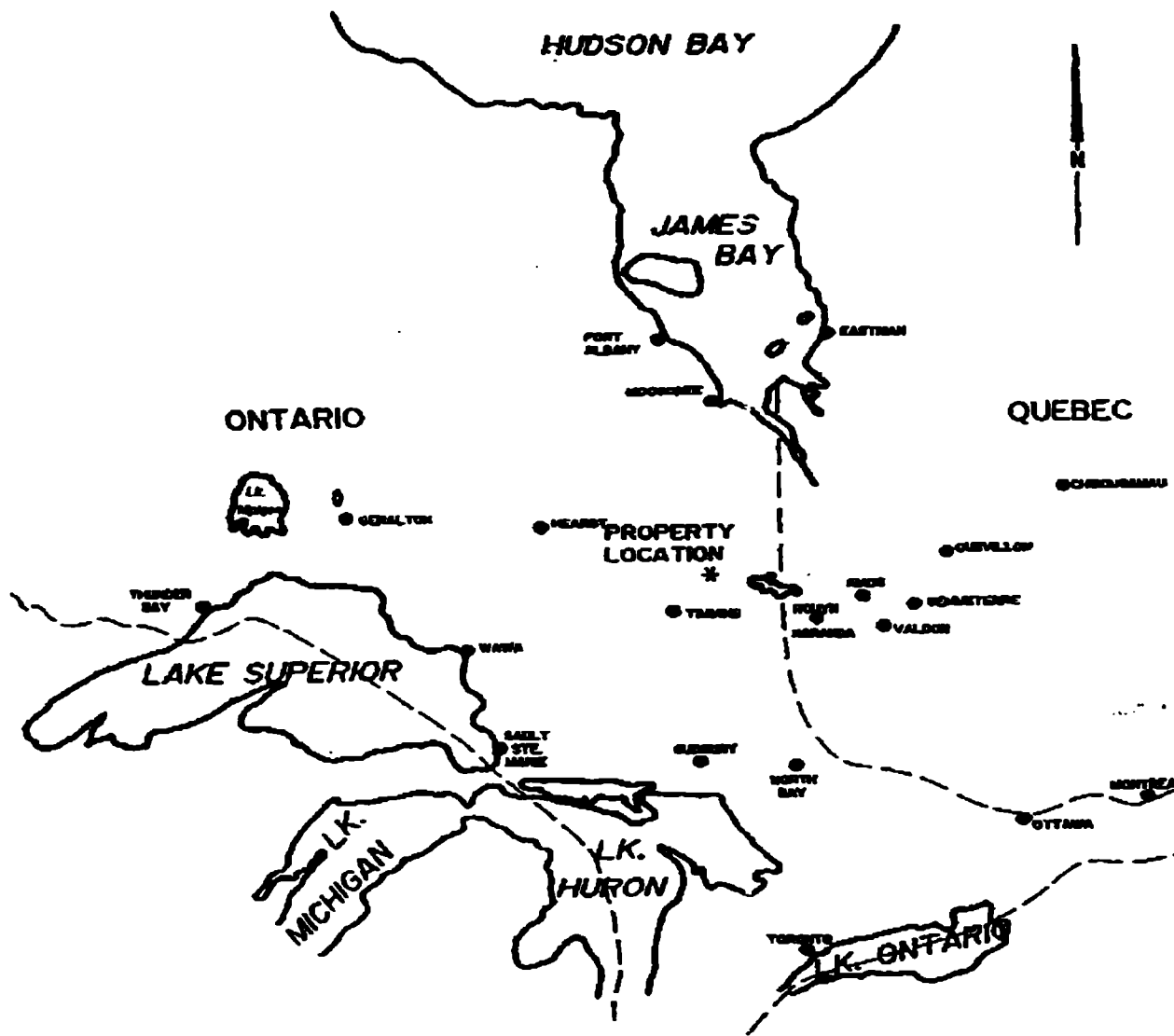


Fig. 1
 Location Map
 Mann Bert Project

FALCONBRIDGE LIMITED

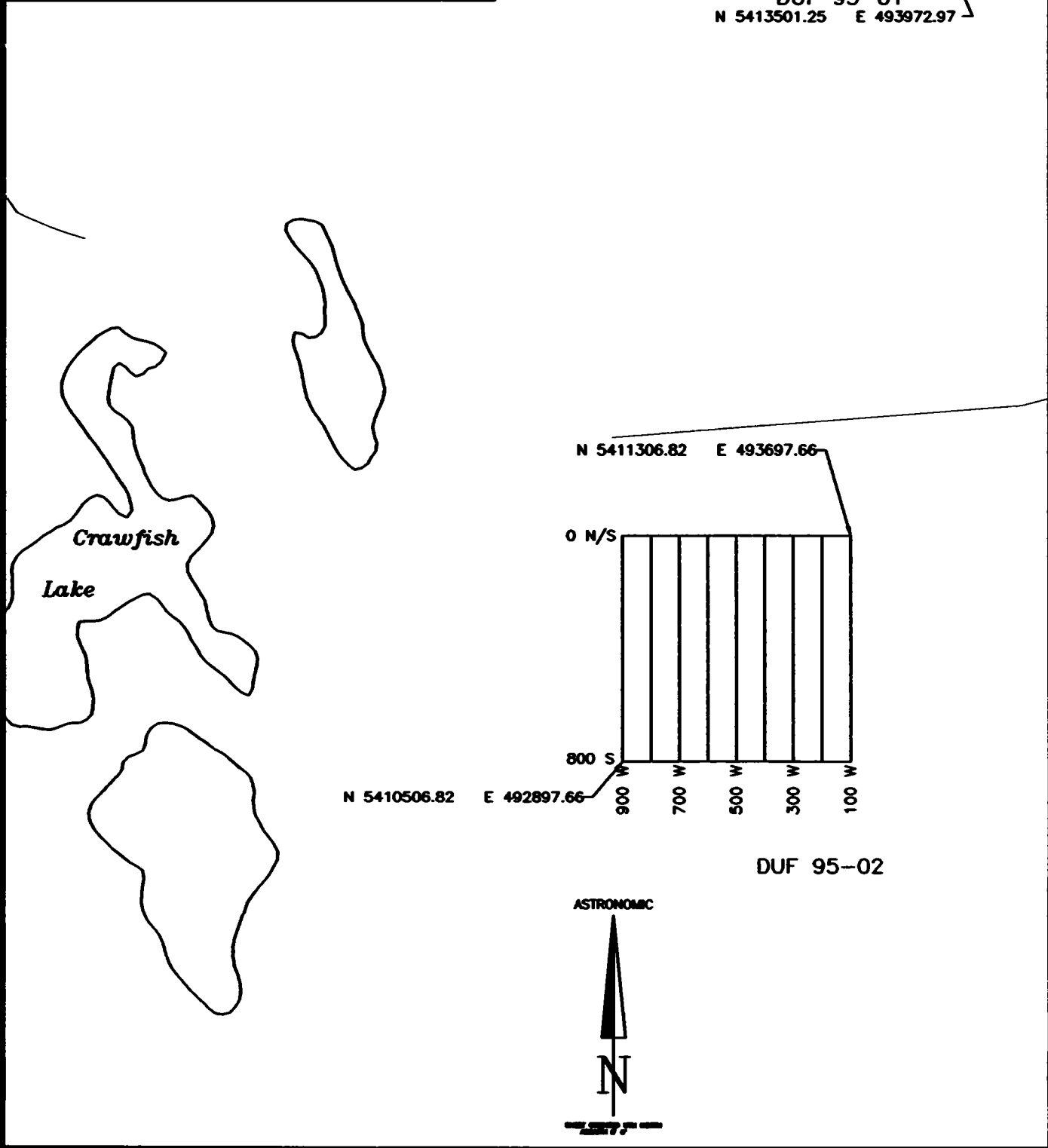
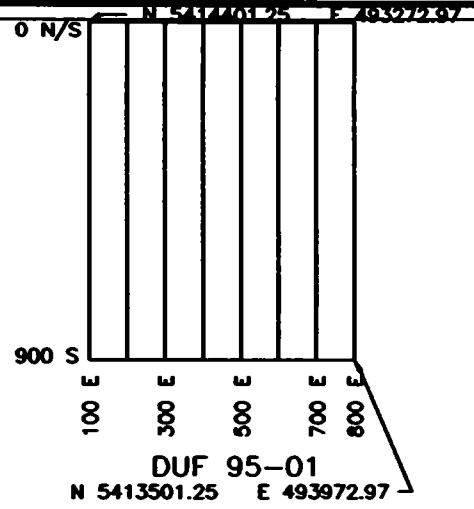
Exploration Division

Timmins ONTARIO



MANN BELT PROJECTS
DUFF TOWNSHIPS
GRID SKETCH
COMPILATION MAP

TRACER: T S	DATE: 05/95	REV: 45-A/95	PROJECT: 0289
DRAWN: TS	DATE: 02/06/95	MWP No:	FILE: 0289 C
SUPERVISOR: P J Nagel	DATE: 23/07/95	SCALE 1:25000 (metres)	
REVISED: 4 * 1	DATE: 08/09/95		



ASTRONOMIC



TRUE NORTH IS 10° 15' WEST

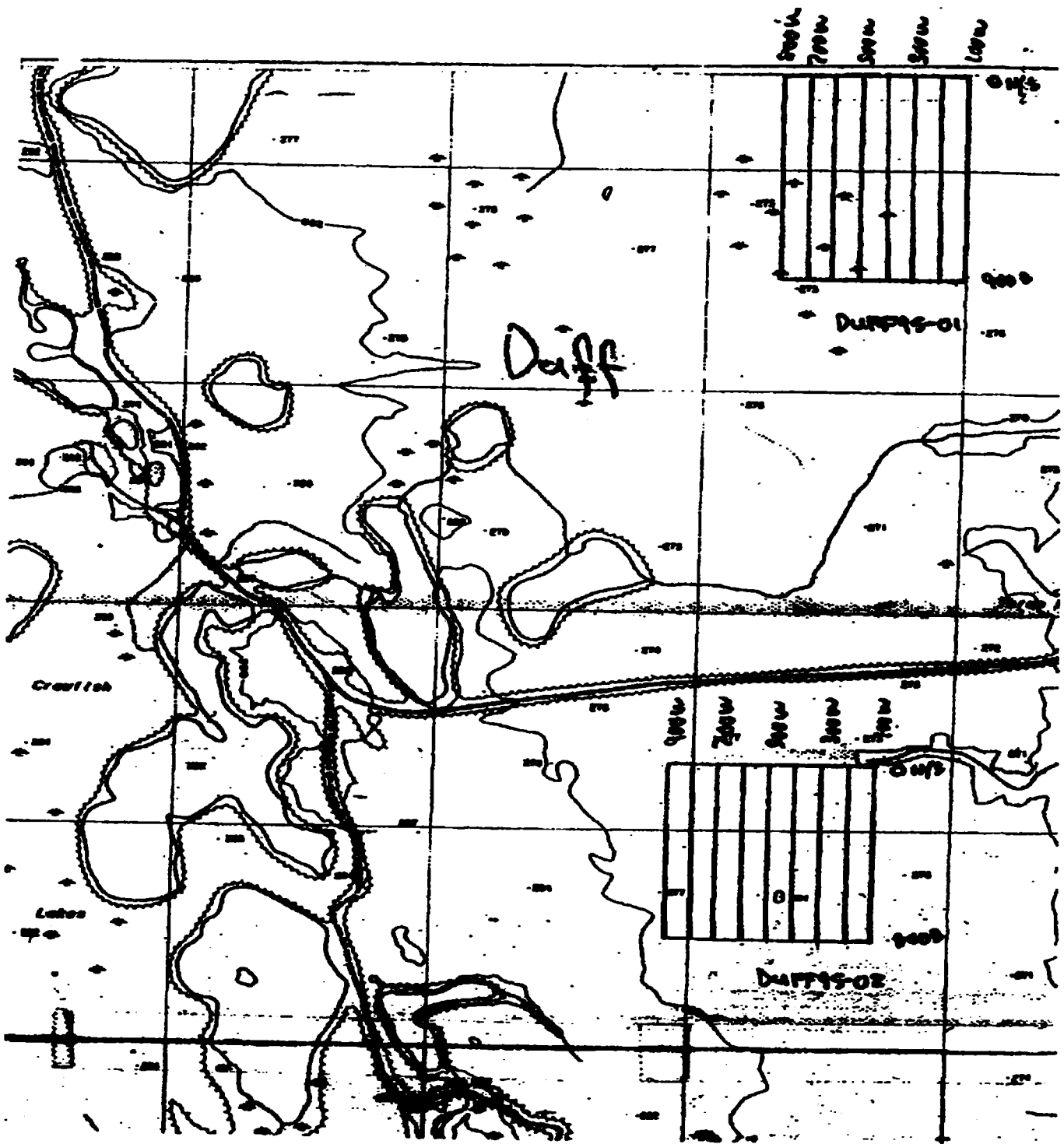


Fig. 2

Property Location Map
Grid Duff 95-01,02

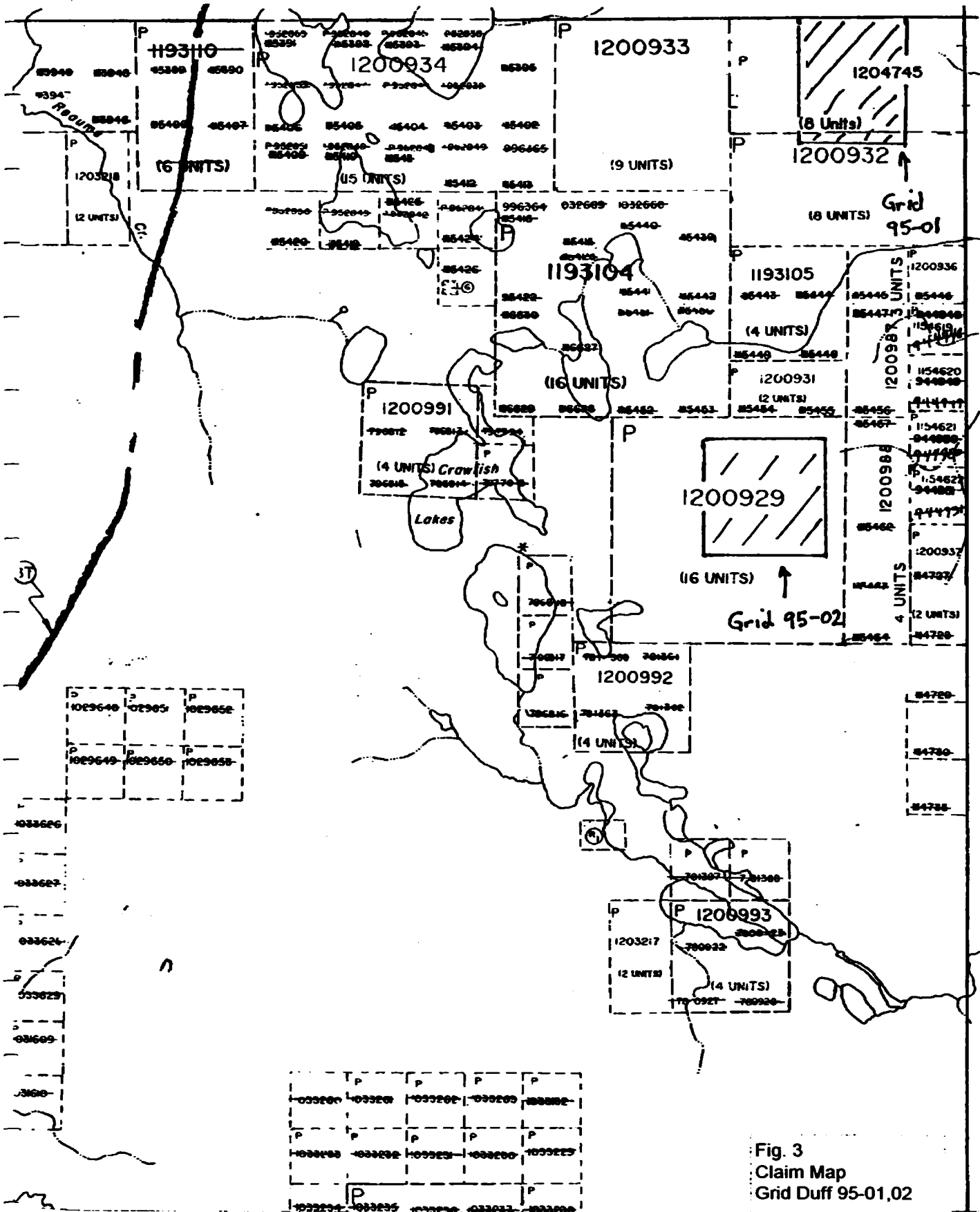


Fig. 3
 Claim Map
 Grid Duff 95-01,02

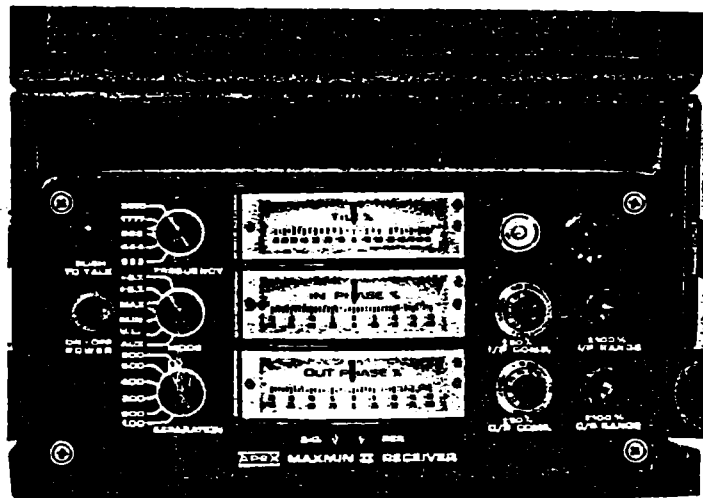
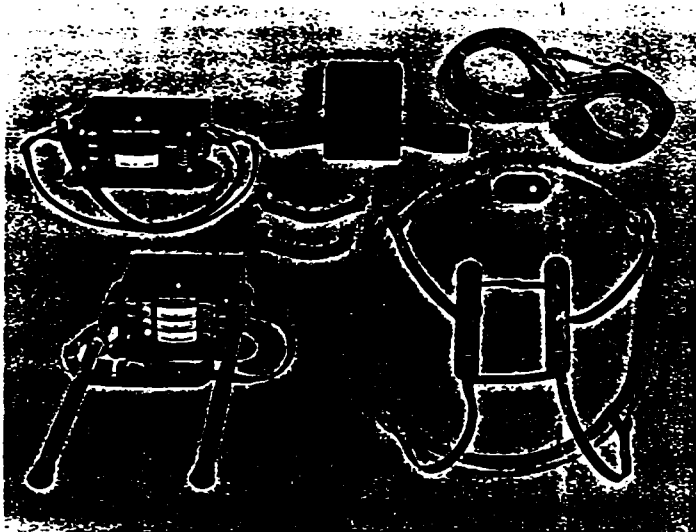
Specifications

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

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.	Repeatability:	±0.5% to ±1% normally, depending on conditions, frequencies and coil separation used.
Modes of Operation:	<p>MAX: Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with refer. cable.</p> <p>MIN: Transmitter coil plane horizontal and receiver coil plane vertical (Min-coupled mode). Used with reference cable.</p> <p>V.L.: Transmitter coil plane vertical and receiver coil plane horizontal (Vertical-loop mode). Used without reference cable, in parallel lines.</p>	Transmitter Output:	<ul style="list-style-type: none"> - 222Hz : 175 Atm² - 444Hz : 160 Atm² - 888Hz : 100 Atm² - 1777Hz : 60 Atm² - 3555Hz : 30 Atm²
Coil Separations:	25, 50, 100, 150, 200 & 250m (MM I) or 100, 200, 300, 400, 600 and 800 ft. (MM II F). Coil separations in V.L. mode not restricted to fixed values.	Receiver Batteries:	9V trans. radio type batteries (4). Life: approx. 35hrs. continuous duty (alkaline, 0.5 Ah), less in cold weather.
Parameters Read:	<ul style="list-style-type: none"> - In-Phase and Quadrature components of the secondary field in MAX and MIN modes. - Tilt-angle of the total field in V.L. mode. 	Transmitter Batteries:	12V 7.5Ah Gel-Cell rechargeable batteries (2 x 6V in series).
Readouts:	<ul style="list-style-type: none"> - 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. 	Reference Cable:	Light weight 2-conductor teflon cable for minimum friction. Unshielded. All reference cables optional at extra cost. Please specify.
Scale Ranges:	<p>In-Phase: ±20%, ±100% by push-button switch.</p> <p>Quadrature: ±20%, ±100% by push-button switch.</p> <p>Tilt: ±75% slope.</p> <p>Null (V.L.): Sensitivity adjustable by separation switch.</p>	Voice Link:	Built-in intercom system for voice communication between receiver and transmitter operators in MAX and MIN modes, via reference cable.
Readability:	<p>In-Phase and Quadrature: 0.5 %.</p> <p>Tilt: 1%</p>	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



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ON
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MANN BELT PROJECT
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FIGURES 1- LOCATION MAP	
2- PROPERTY LOCATION	
3- CLAIM SKETCH GRID #95-01	
4- FRASER FILTERED Z COMP. CONTOUR MAP CH. 16	
MAPS- PROFILES Ch 1-20 (mv.) Scale 1:5000	
X COMPONENT	Y COMPONENT
Line 200W	Line 200W
Line 300W	Line 300W
Line 400W	Line 400W
Line 500W	Line 500W
Line 600W	Line 600W
Line 700W	Line 700W

APPENDIX A- TECHNICAL SPECIFICATIONS GEONICS PROTEM 37D SYSTEM

INTRODUCTION

The services of Northwest Geophysics Limited were retained by Falconbridge Limited to complete a geophysical program on Grid 95-01, located in Duff Township within the Porcupine Mining Division, District of Cochrane, Northeastern, Ontario (Fig. 1).

The purpose of this program was to test the property for deep geological structures which would be favourable areas for base metal deposition. The program is a follow up survey to a previous Maxmin HLEM survey that indicated two weak conductive responses.

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-east part of Duff Township, Porcupine Mining Division, District of Cochrane, Northeastern Ontario (Fig. 2).

Access to the property was ideal during the survey period. Highway 11 North extends west from the Town of Cochrane and provides access to the Dunn Lake Road which extends south through Fournier Township and Reaume Township where a branch road extends east from Reaume Lake to immediately north of the grid. The grid can be reached by 2 wheel vehicle from Cochrane in approximately 35 minutes.

CLAIM GROUP

The claims which contain Grid 95-01 are as follows:

- P- 1204745 (8 units)
- P- 1200932 (8 units)

Refer to Figure 3, copied from MNDM Claim Map # G3234 Duff Township, scale 1 inch=2640 feet.

PERSONNEL

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.

GEOPHYSICAL PROGRAM

The program consisted of a Time Domain Electromagnetic survey being done on grid lines 200W to 700W inclusive, between stations 50S to 850 S (4.8 line km.). The survey was done on October 5, 1995.

TDEM SURVEY

The survey was completed using the Geonics Protem EM 37D System. Specifications for this instrument can be found in Appendix A of this report.

The following parameters were kept constant throughout the survey period.

Linespacing	-100 meters
Reading Interval	-50.0 meters
Theoretical Search Depth	-300 meters
Frequency Recorded	-30Hz
Parameters Measured	-inline X component -vertical Z component
Loop Area	-6300 m. squared
Loop Location	-W side 800W -E side 100W -N side 0+00 BL -S side 900S TL
Transmitter Current	-13.0 amps.

The collected data was then plotted onto a vellum base map, one map for each line surveyed at a scale of 1:5000. The data was profiled (reading in mv. vs line station) as four sets of data (Ch. 1-5, Ch. 6-10, Ch. 11-15, Ch. 16-20) . A copy of these base maps is included in the back pocket of this report.

SURVEY RESULTS

An interpretation provided by Sharon Taylor of Falconbridge Exploration indicates the presence of four weak to moderate responses. They range in depth from 50 to 70 meters. To aid in the interpretation, channel 16 Z component was Fraser filtered and contoured at 1 mv. intervals. The results of this procedure are shown in Figure 4.

CONCLUSIONS AND RECOMMENDATIONS

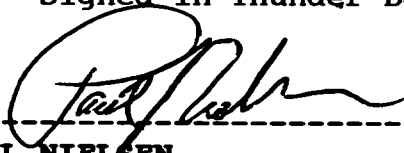
The survey proved up existing weak maximum HLEM conductors and located two additional weak conductors not found by the HLEM survey. Drilling is recommended to test the strongest response located on L300W at 650S.

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 been an employee of Northwest Geophysics Ltd. since November, 1993.
- I have no specific or special interest in the described property.

Signed in Thunder Bay,



PAUL NIELSEN
GEOLOGIST, BSc

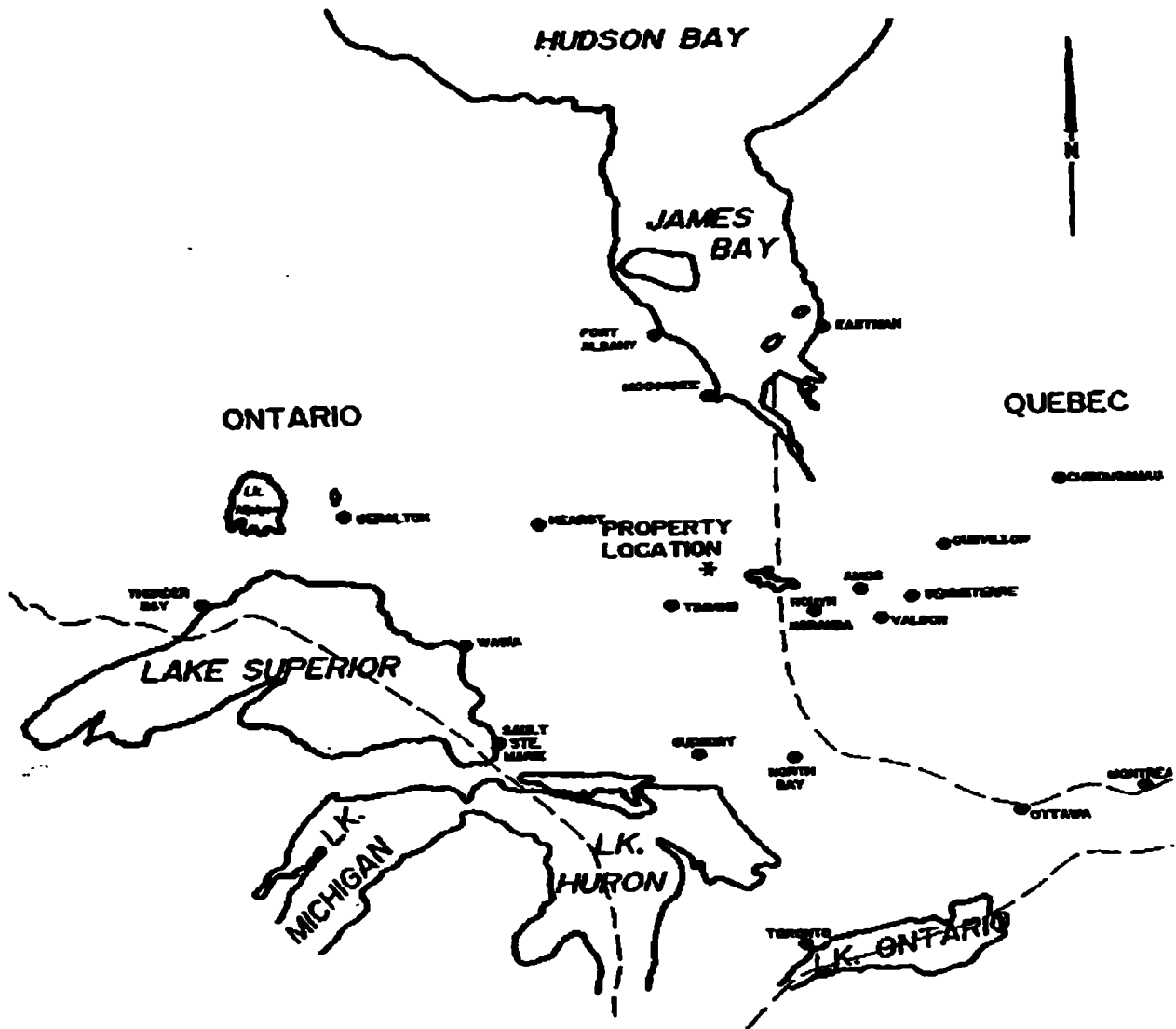


Fig. 1

Location Map

Mann Belt Project

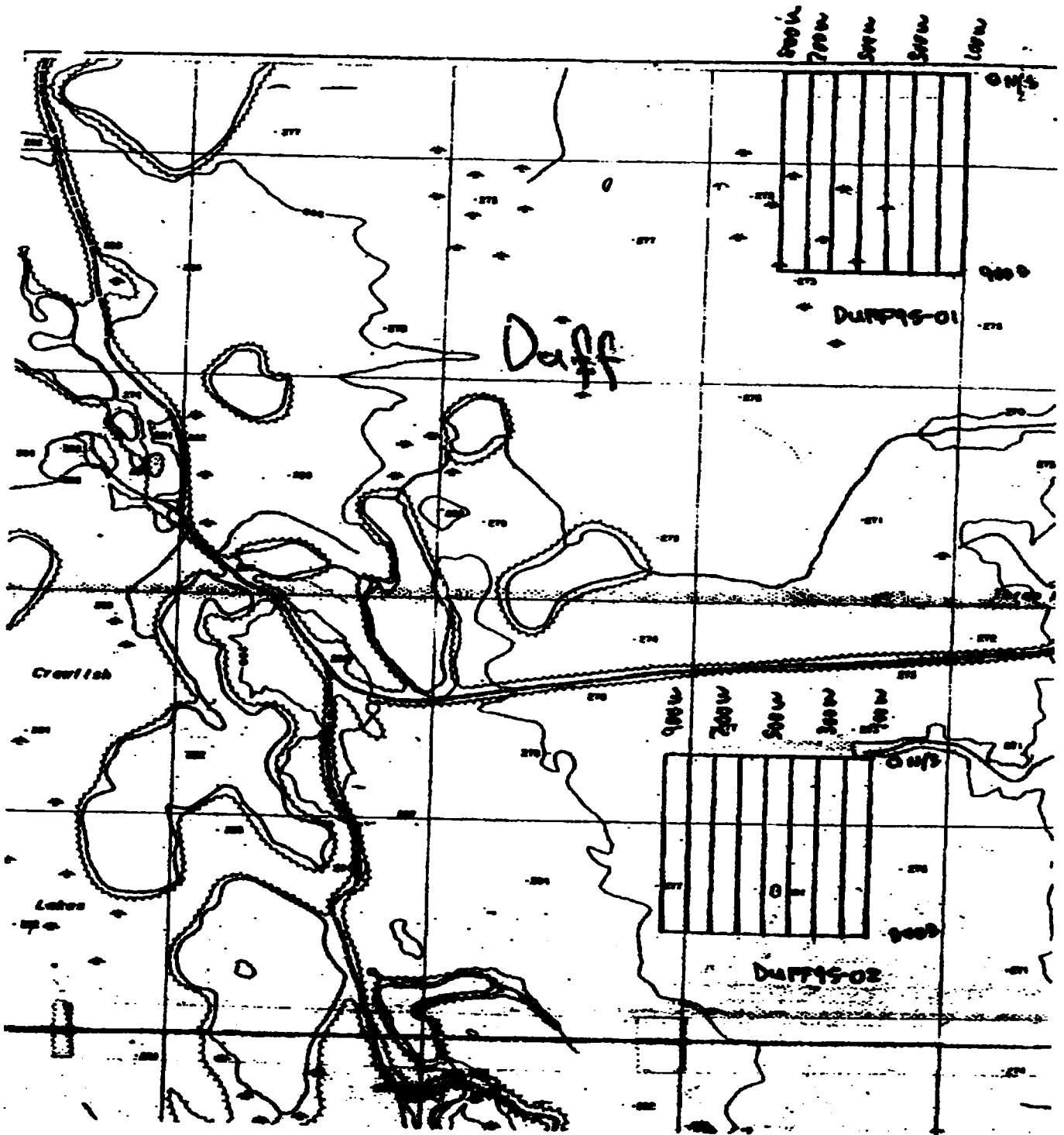


Fig. 2

Property Location Map
Grid Duff 95-01,02

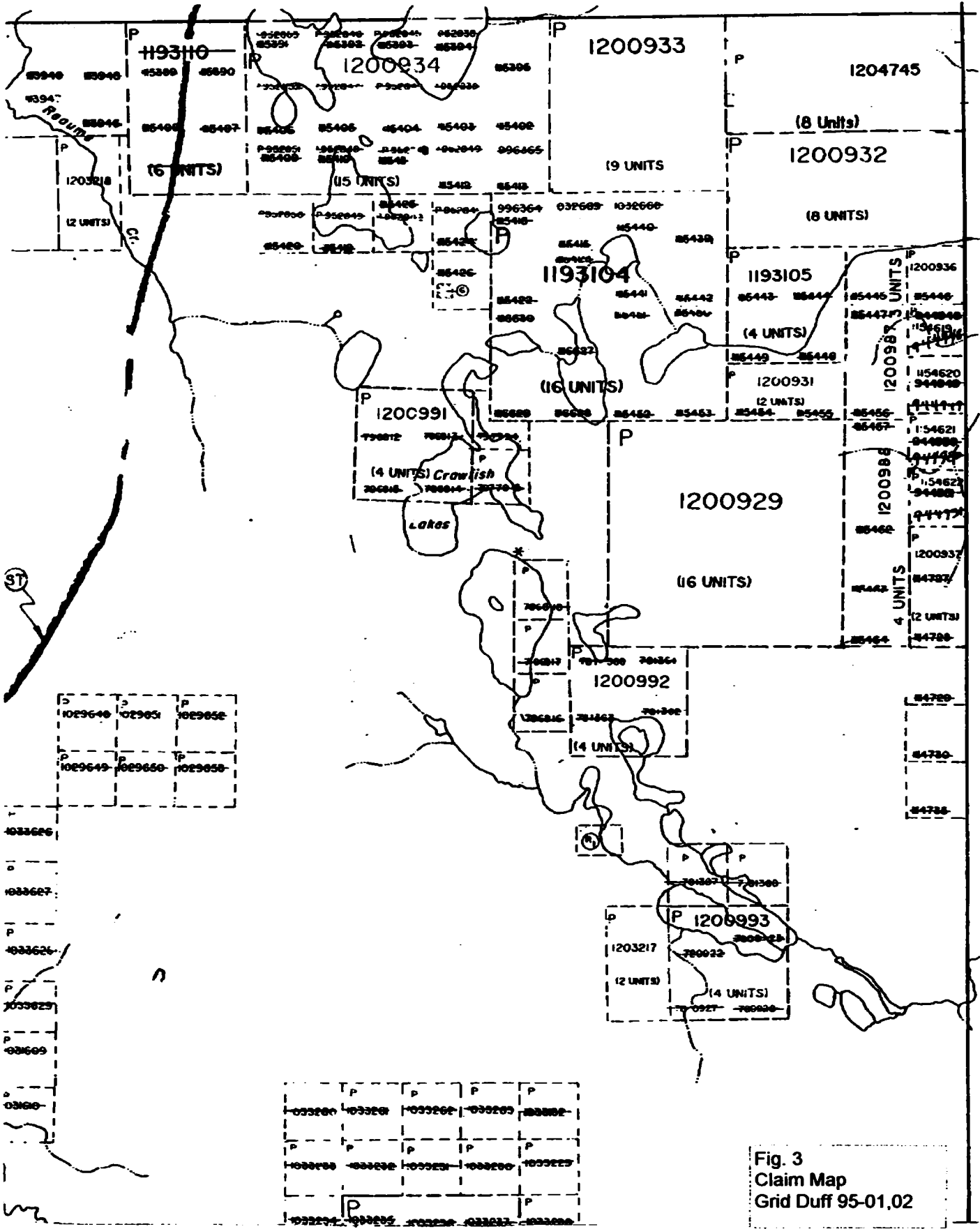


Fig. 3
 Claim Map
 Grid Duff 95-01,02

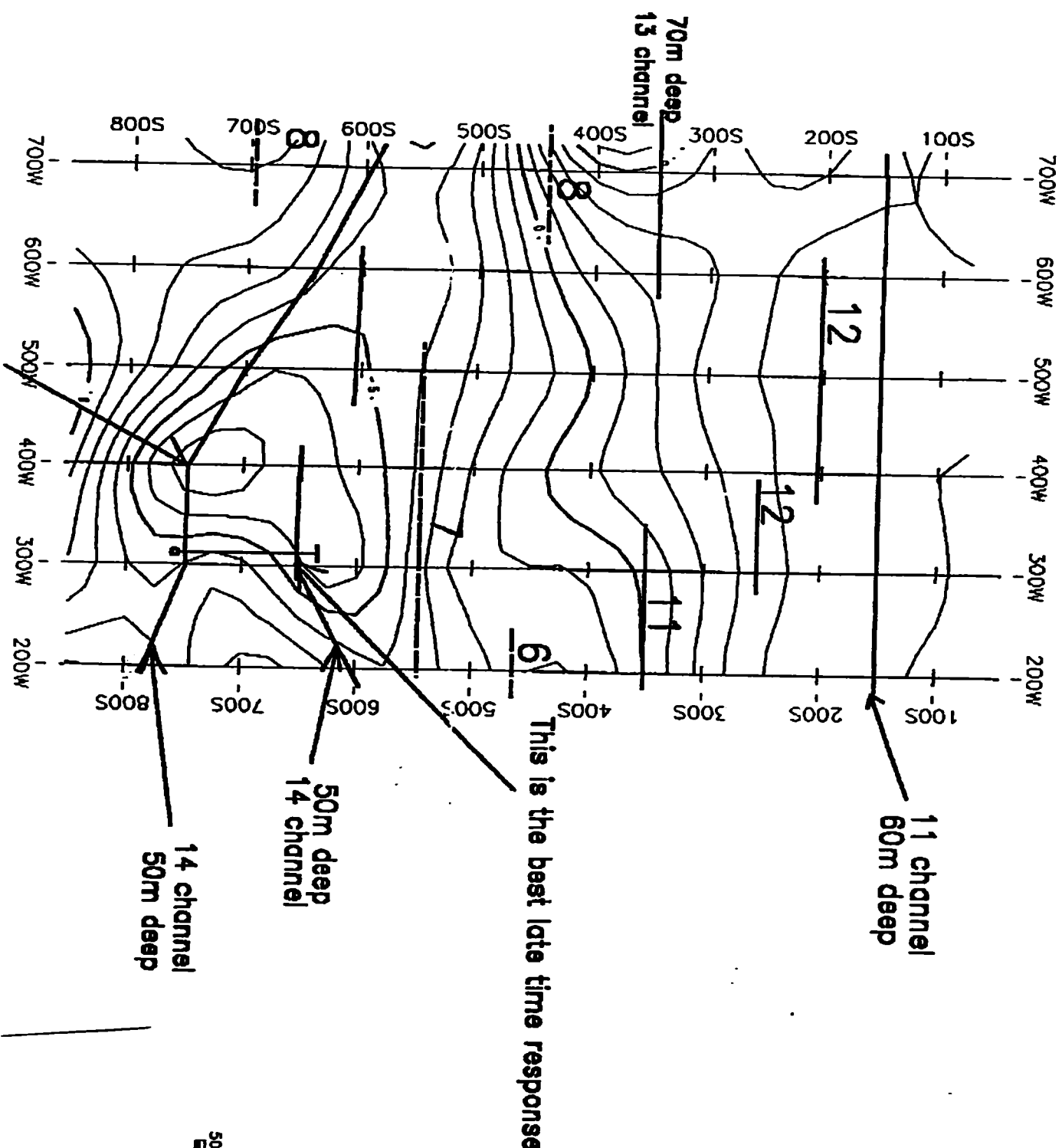
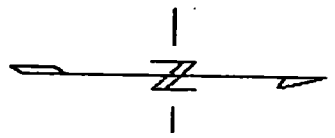
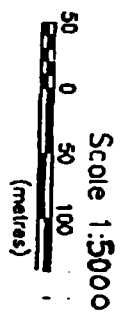


Fig. 4



K) TECHNICAL SPECIFICATIONS**PROTEM DIGITAL RECEIVER****TECHNICAL SPECIFICATIONS**

Measured Quantity	:	Time rate of decay of magnetic flux along 3 axes.
Sensors	1. (L.F.) :	Air-cored coil of bandwidth 60 kHz; 100 cm diameter.
	2. (H.F.) :	Air-cored coil of bandwidth 1200 kHz; 100 cm diameter.
	3. (3D-3) :	Three orthogonal component sensor; simultaneous operation.
	4. (3D-1) :	Three orthogonal component sensor; sequential operation.
Time Channels	:	20 geometrically spaced time gates for each base frequency gives range from 6 μ s to 800 ms.
Repetition Rate (Base Frequency)	:	0.3 Hz, 0.75 Hz, 3 Hz, 7.5 Hz, 30 Hz, 75 Hz or 285 Hz for countries using 60 Hz power line frequency. 0.25 Hz, 0.625 Hz, 2.5 Hz, 6.25 Hz, 25 Hz, 62.5 Hz or 237.5 Hz for countries using 50 Hz power line frequency.
Synchronization	:	1) Reference cable. 2) High stability quartz crystal (optional).
Integration Time	:	2, 4, 8, 15, 30, 60, 120, 240 s.s.
Calibration	:	Internal self calibration External Q coil calibration (optional).
Keyboards	:	Two 3 x 4 matrix sealed key pads with positive tactile feedback.
Gain	:	Automatic or manual control.
Dynamic Range	:	23 bits (132 dB).
Display Quantity	:	(1) Table of time rate of decay of magnetic flux (dB/dt) (2) Curve of rate of decay of magnetic flux (dB/dt) (3) Table of apparent resistivity (ρ_a) (4) Curve of apparent resistivity (ρ_a) (5) Profile of dB/dt (6) Real time noise monitor (7) Calibration curve (8) Data acquisition statistics (real time)

Storage	:	Solid state memory with capacity for 3300 data sets.
Display	:	8 lines x 40 characters (240 x 64 dot) graphic LCD.
Data Transfer	:	Standard RS-232 communication port.
Processor	:	CMOS 68HC000 8 MHz CPU
Receiver Battery	:	12 volts rechargeable battery for 8 hours continuous operation. 6 hours in XTAL mode.
Receiver Size	:	34 x 38 x 27 cm.
Receiver Weight	:	15 kg.
Operating Temperature	:	-40°C to +50°C.

Note: The PROTEM Digital Receiver can be used with all three Geonics transmitters - TEM47, TEM57 and TEM37.

GEONICS PROTEM EM SYSTEM

TEM37 TRANSMITTER

TECHNICAL SPECIFICATIONS

Current Waveform	:	Bipolar rectangular current with 50% duty cycle.
Repetition Rate	:	3 Hz, 7.5 Hz or 30 Hz - in countries using 60 Hz power line frequency;
	:	2.5 Hz, 6.25 Hz or 25 Hz - in countries using 50 Hz power line frequency.
Turn-Off Time	:	300 μ s at 20 amps into 300 x 600 loop. Decreases proportionally with current and transmitter loop length to minimum of 20 μ sec.
Transmitter Loop	:	Any dimension from 20 x 20 m to 2000 x 2000 m single turn loop. Minimum transmitter loop resistance is 0.6 ohms.
Output Current	:	30 amps maximum.
Output Voltages	:	20 to 160 volts in seven steps.
Synchronization Mode	:	(1) Reference cable (2) High stability quartz crystal
Motor Generator	:	2800 W/120 V/400 Hz/3 phases. Approximate 3 hours continuous operation from full fuel tank.
Transmitter Protection	:	Electronic and elec mechanical protection against short circuit.
Transmitter Wire Supplied	:	#10 copper wire PVC insulated.
Transmitter Size	:	43 x 27 x 40 cm.
Transmitter Weight	:	20 kg.
Motor Generator Size	:	74 x 44 x 51 cm.
Motor Generator Weight	:	66 kg.

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
W9560.00446

SEE PAGE 2.

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for record-keeping purposes only. This collection should be directed to the Provincial Manager, Mining Lands, M
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 n 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.



900

Recorded Holder(s) FALCONBRIDGE LIMITED		Client No. 130679
Address 571 Moneta Ave. P.O. Box 1140 Timmins, Ont. P4N7H9		Telephone No. (705) 267-1188
Mining Division PORCUPINE	Township/Area DUFF	M or G Plan No.
Date 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	
Rehabilitation	Taking Air Photos + Spotting Grids
Other Authorized Work	
Assays	
Assignment from Reserve	

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MINING LANDS DIVISION

Total Assessment Work Claimed on the Attached Statement of Costs \$ 9920 9354

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

Date: **Oct. 10 '95** Agent (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 9354 #9920.	Date Recorded	Mining Recorder undated Gary Whit	Received Stamp OCT 11 1995 (10:20 a. (C) 1995 PORCUPINE MINING DIVISION
	Deemed Approval Date Jan 9/96	Date Approved	
	Date Notice for Amendments Sent		



Report of Work Conducted After Recording Claim

Mining Act

PAGE 2
Transaction Number
W9560.00446

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 8A5, telephone (705) 870-7284.

16305

- 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 DUFF	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
<input checked="" type="checkbox"/> Geotechnical Survey	LINECUTTING, MAGNETIC + ALEM SURVEYS, TEM - GST
<input type="checkbox"/> Physical Work, Including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

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DEC 15 1995
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ 566 (PART OF 1995 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
NW 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 work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date Nov. 28/95	Recorded Holder or Agent (Signature) <i>Christine Petz</i>
--	---------------------------	---

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying CHRISTINE PETZ P.O. Box 1140, 571 MONETA AVE. TIMMINS, ONTARIO P4N 7H9		
Telephone No. (705) 267-1188	Date Nov. 28, 1995	Certified By (Signature) <i>Christine Petz</i>

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	RECEIVED NOV 30 1995 @ 11:15 (c) W PORCUPINE MINING DIVISION
	Deemed Approval Date	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
2.1630	1204745	8
	1200932	8
	1200932	8
	1204745	8
	1200932	3
	1200932	2
	1200932	16
	1200932	16
Total Number of Claims		2

Value of Assessment Work Done on this Claim	Value Applied to this Claim	
86.7% 8110	3200.00	
13.3% 1244	1244	
	2756	
	400	
	1200	
	198	
	356	
Total Value Work Done		9354
Total Value Work Applied		4444

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date	
	4910	
RECEIVED DEC 15 1993 MINING LANDS		
Total Assigned From		4910
Total Reserve		4910

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 prioritize 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 prioritized on the attached appendix. *1200932, 1204745 (400)*

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
---	-----------	------

0241 (02/91)

2.1630

Work Report Number for Applying Reserve

Claim Number (see Note 2)

Number of Claim Units

1204745
1306932

8
8

Total Number of Claims

2

Value of Assessment Work Done on this Claim

Value Applied to this Claim

6.7%
490
76

490
76

Total Value Work Done

566

Total Value Work Applied

566

Value Assigned from this Claim

Reserve: Work to be Claimed at a Future Date

Total Assigned From

Total Reserve

RECEIVED
DEC 15 1995
MINING LANDS

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 prioritize 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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- 3. Credits are to be cut back as prioritized 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
---	-----------	------



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
 W9560.00446
 SEE PAGE 2.
 2015000

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

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

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain	1000.00	1000.00
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type NW. Geophys.	8091	
	Hillside Photo	8000	
	F. Renaudat	4000	8211
Supplies Used Fournitures utilisées	Type Flaggging	10.00	
	Hip chain		
			10.00
Equipment Rental Location de matériel	Type TRUCK	4190	
	ATV	4125	
	GAS	5000	13315
Total Direct Costs Total des coûts directs			9354

2. Indirect Costs/Coûts indirects

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

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement	DEC 15 1995		
Mobilization and Demobilization Mobilisation et démoblisation	MINING LANDS		
Sub Total of Indirect Costs Total partiel des coûts indirects			
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excedant 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.

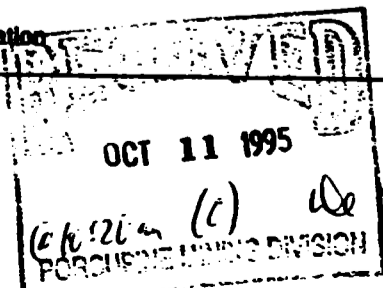
Valeur totale du crédit d'évaluation	Evaluation totale demandée
	x 0,50 =

Certification Verifying Statement of Costs

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

that as 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



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
W9560.00446

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) 870-7264.

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1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type GEO PHYSICS	566 ³⁷	
	(GST 20.91 x 0.07)		
			566
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs			566

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)			566

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	Remise totale demandée
	x 0,50 =

Certification Verifying Statement of Costs

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

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

to make this certification

Attestation de l'état des coûts

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

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

à faire cette attestation.

Signature Christine Petch Date Nov. 28, 1995



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 20, 1995

Our File: 2.16305
Transaction #: W9560.00446

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

Dear Mr. White:

**Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS
1204745 & 1200932 IN DUFF TOWNSHIP**

Assessment credits have been approved as outlined on the report of work form. The credits have been approved under Section 14 (Geophysical) of the Mining Act Regulations.

The approval date is December 18, 1995.

If you have any questions regarding this correspondence, please contact Steven Beneteau at (705) 670-5855.

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

SBB SBB/jl
Enclosure:

cc: Resident Geologist
Timmins, Ontario

✓ Assessment Files Library
Sudbury, Ontario

REFERENCES

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
SEC 36/80	W 1/80	8/8/80	M + S	

REOPENED FEBRUARY 3, 1989
ORDER NO. O-P 2189 NR

THIS TWP SUBJECT TO FOREST ACTIVITY IN 1981/82.
FURTHER INFORMATION ON FILE.

THIS TWP SUBJECT TO FOREST ACTIVITY IN 1982/83.

THIS TWP SUBJECT TO FOREST ACTIVITY IN 1981/82.
FURTHER INFORMATION ON FILE.

THIS TWP SUBJECT TO FOREST ACTIVITY IN 1982/83.

SNOWMOBILE TRAIL
NOTICE RECEIVED ON OR OFF

Subdivision of this township into lots and concessions was annulled May 10, 1963

SAND and GRAVEL

QUARRY PERMIT

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.

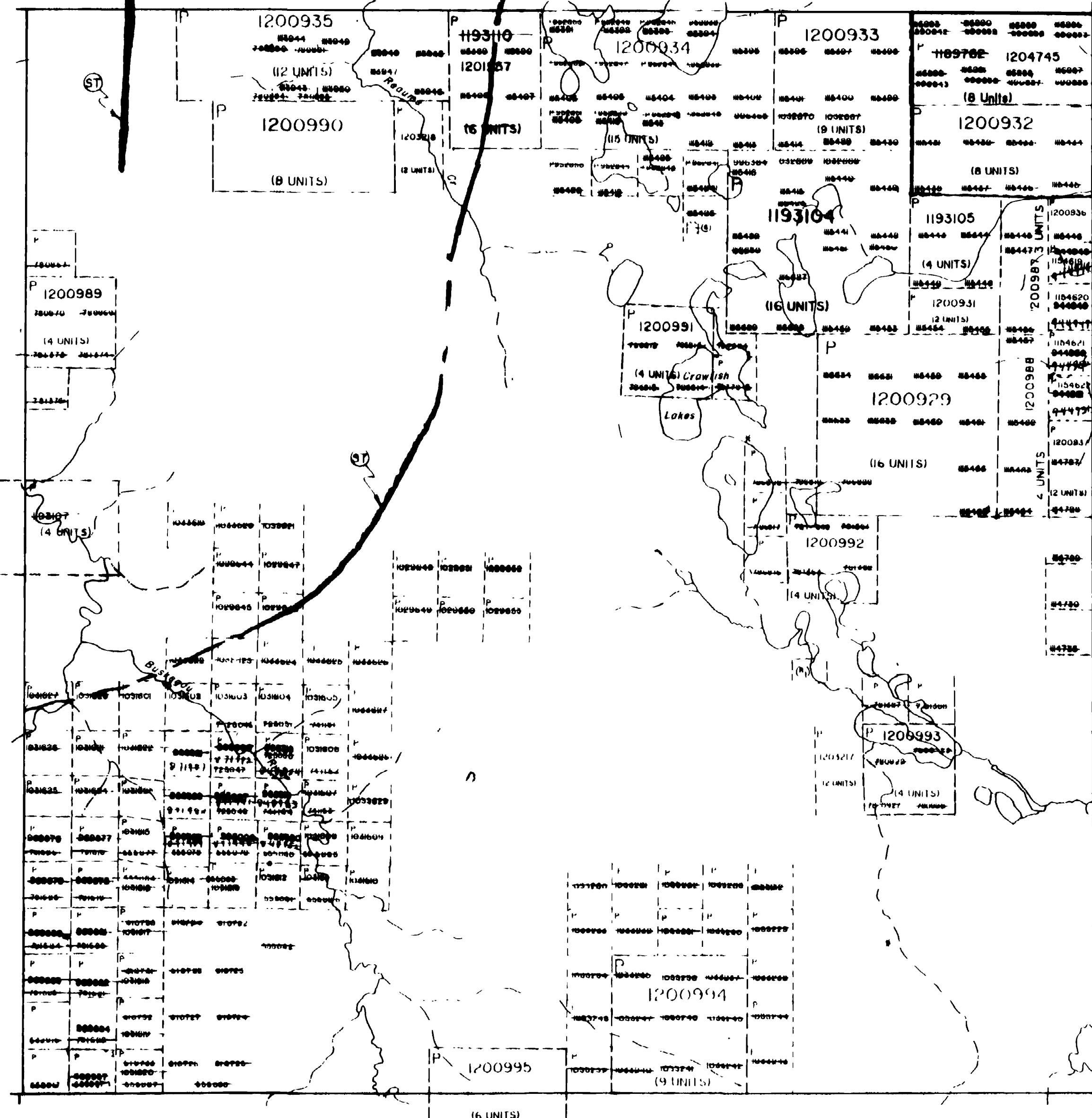
REAUME TP.

2.16305
(MAG, EM)

LUCAS TP.

MANN TP.

TULLY TP.



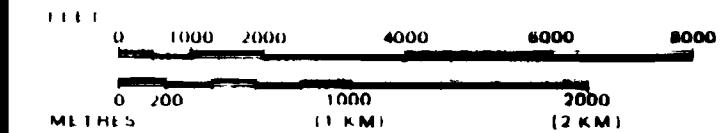
LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASIS 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 SHORE LINE
- 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	⊙
LAND USE PERMIT	⊙
MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6 1918, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 360, SEC. 63, SUBSEC. 1	⊙

SCALE 1 INCH = 40 CHAINS



2.16305
TOWNSHIP

DUFF

M.N.R. ADMINISTRATIVE DISTRICT
COCHRANE RECEIVED
MINING DIVISION DEC 15 1995
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE



Ministry of Natural Resources
Land Management Branch

Date: MARCH 11, 1985

Number

Am'd Apr 10/85

G-3234

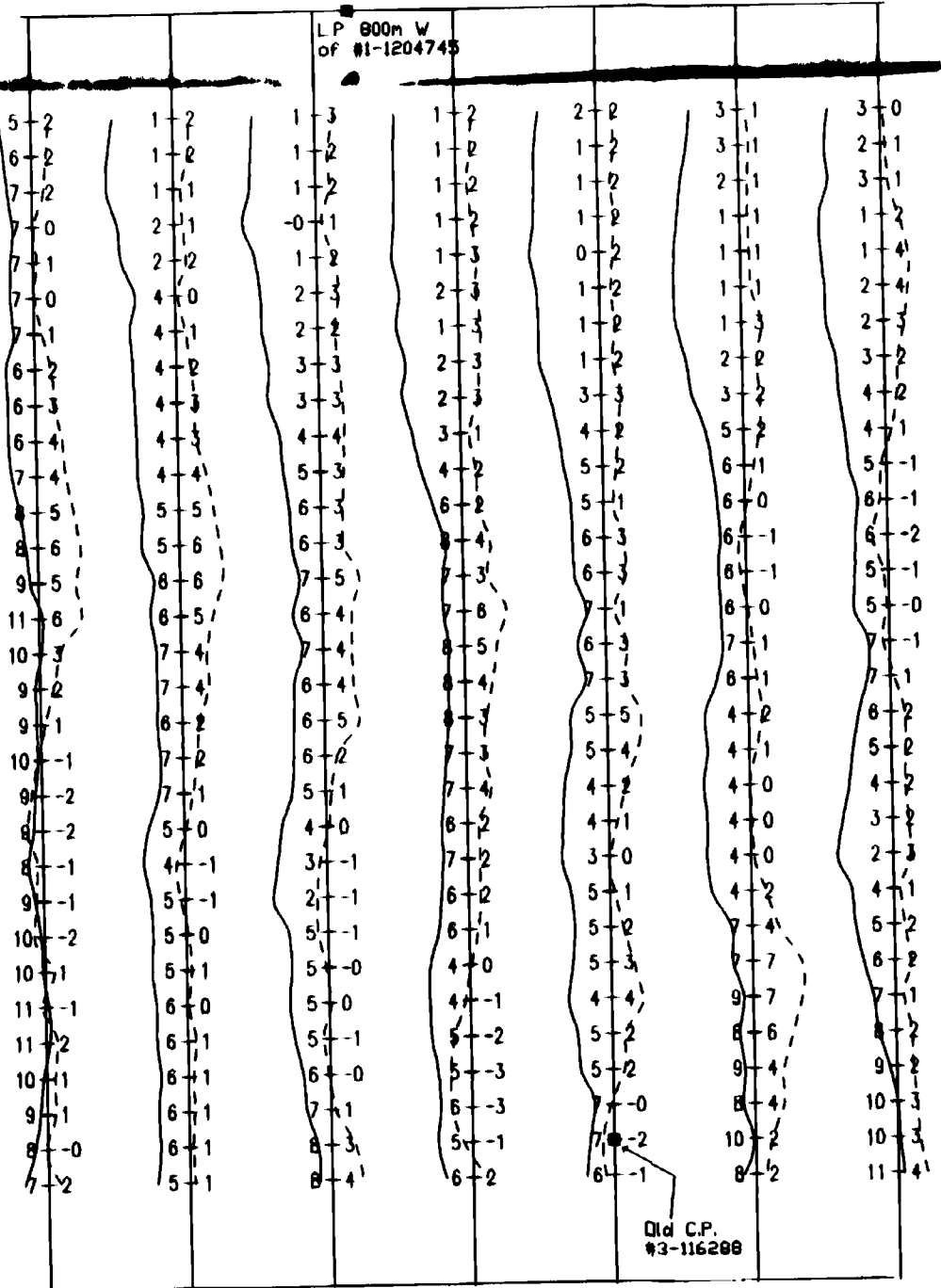


Form 5-82
 For 15 Jan 1995 at 15:20 Normal Profile Centre of plot at 400 65 / 440 00 Serial 8 1990102 Registered User - NORTHWEST GEOPHYSICS LTD



BASELINE 0+00

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



TIELINE 9+00S

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

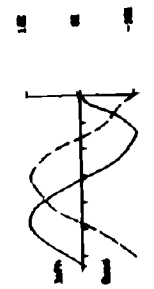
2.16305

RECEIVED

DEC 15 1995

MINING LANDS BRANCH

GRID DUFF 95-01



Instrument : MAXMIN
 Coil Spacing : 150m
 Vertical Scale : 1cm = 10X
 Frequency : 444 Hz
 In Phase : 10X
 Quadrature : 0X

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/14
NORTHWEST GEOPHYSICS LTD.	

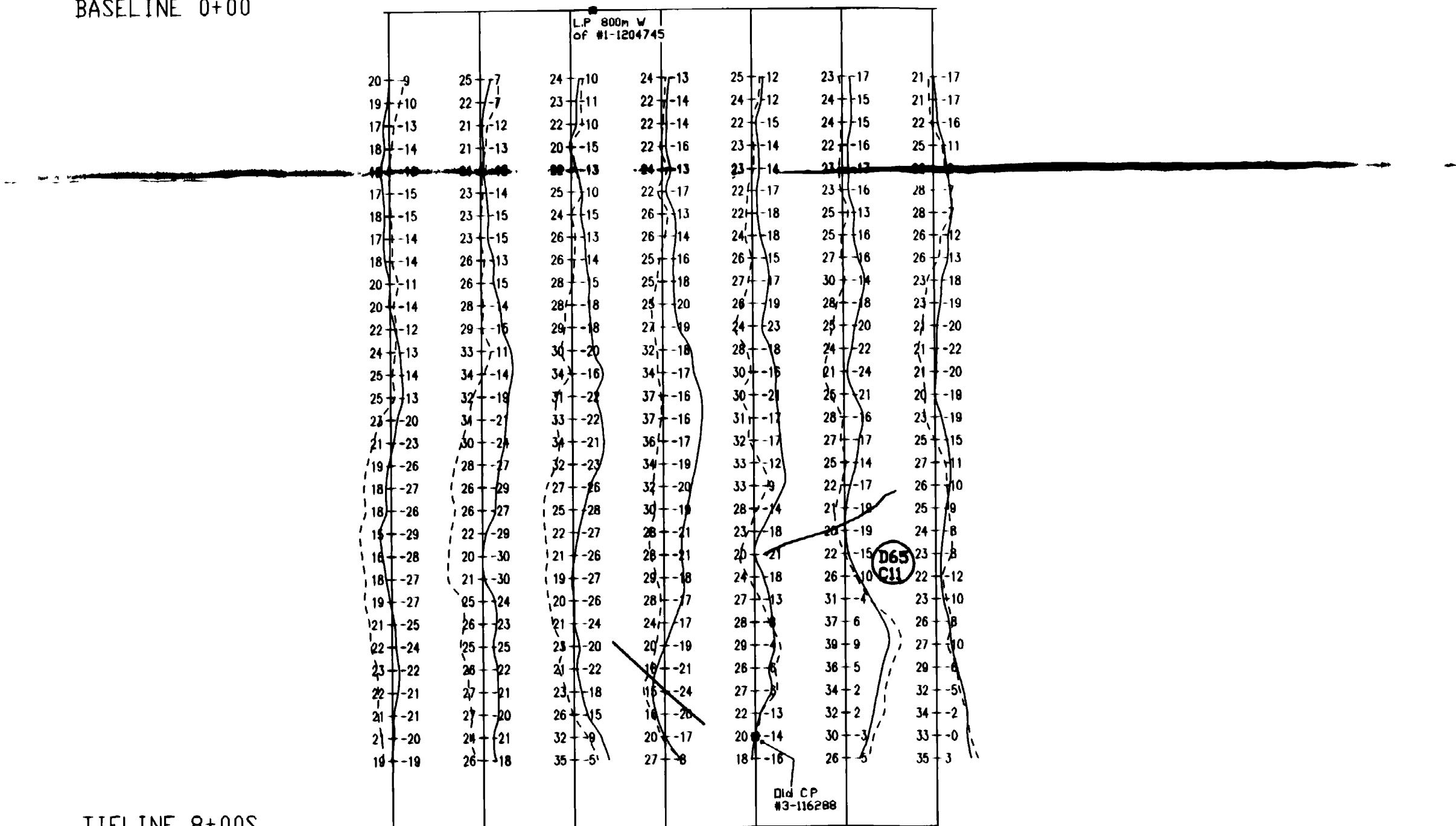


Page 3 of 4
 1-15-95 15:00 at 15:00 Normal Profile Center of plot at 400 W / 400 W Serial # 10018 Registered User: NORTHWEST GEOPHYSICS LTD.



BASELINE 0+00

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



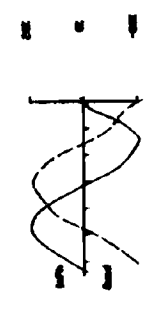
TIELINE 8+00S

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

2.16305

RECEIVED
 Depth in metres
 DEC 15 1995
 Conductivity
 MININGLANDS

GRID DUFF 95-01



Instrument : MAMMIN
 Coil Spacing : 150m
 Vertical Scale : 1cm = 20X
 Frequency : 1760 Hz
 In Phase : 20X
 Quadrature : -15X

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/14
NORTHWEST GEOPHYSICS LTD.	



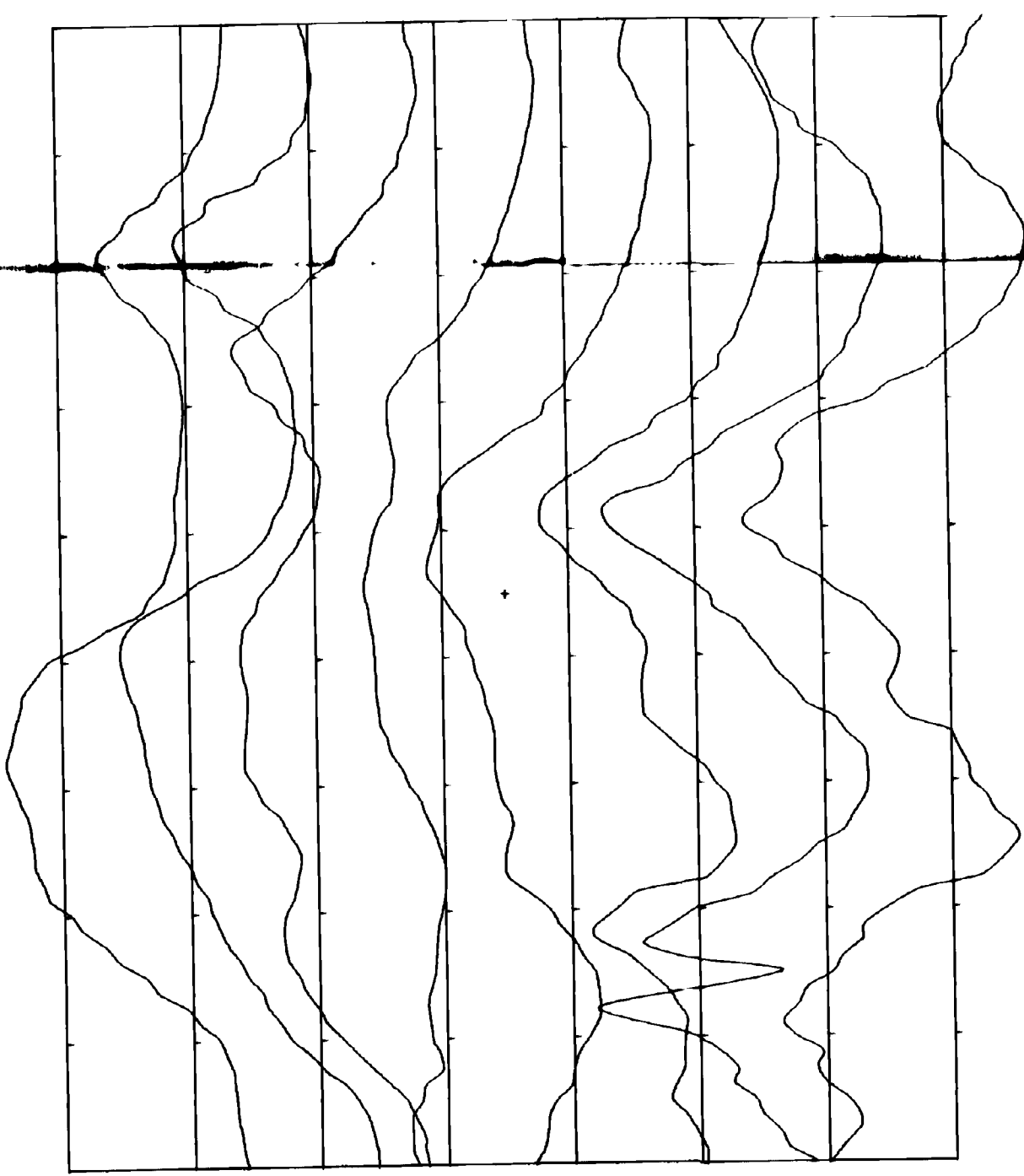
Year 5 20
Plan 25 500 1995 at 12.20 Centre of plot at 450 82/450.00 Normal profile continued on 2807.0 n. Serial 8 199102 Registered User - NORTHWEST GEOPHYSICS LTD.



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

BASELINE 0+00

TIE LINE 9+00S



2.16305

RECEIVED
DEC 15 1995

MINING LANDS Division
GRID DUFF 95-01

FALCONBRIDGE LTD.

MAGNETOMETER SURVEY

PROJECT: MANN BELT PROJECT # : 8269
BASELINE AZIMUTH : 90 Deg.

SCALE = 1 : 5000 DATE : 12/ 9/95
SURVEY BY : NWG NTS : 42 A/14

NORTHWEST GEOPHYSICS LTD.

Instrument : DMI
Field : TOTAL
Datum : 59000 0 nT
Contour Interval :
Profile Scale : 1000 nT / Cm
Conductor Axis :



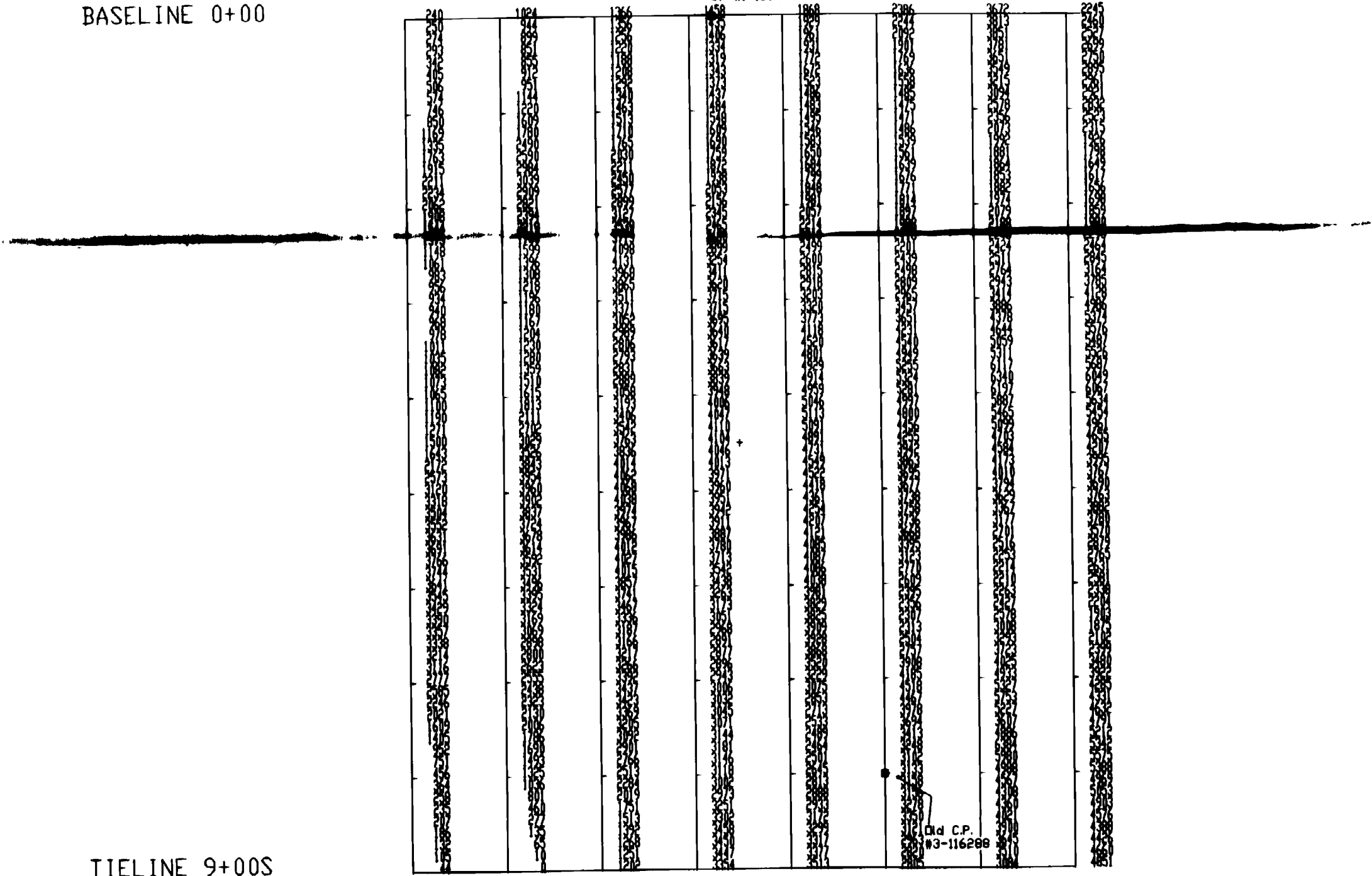
Printed on 15 Sep 1995 at 11:56. Centre of plot at 600, 627450. M. Serial 8 104122 Registered User: NORTHWEST GEOPHYSICS LTD.



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

BASELINE 0+00

LP 800m W
of
NI-1204745



TIELINE 9+00S

2.16305

RECEIVED

DEC 15 1995

MINING LANDS BRANCH

GRID DUFF 95-01

FALCONBRIDGE LTD.
MAGNETOMETER SURVEY

PROJECT: MANN BELT PROJECT # : 8269
BASELINE AZIMUTH : 90 Deg.

SCALE = 1 : 5000 DATE : 12/ 9/95
SURVEY BY : NWG NTS : 42 A/14

NORTHWEST GEOPHYSICS LTD.

Instrument : DMH
Field : TOTAL
Datum : 39000 0 n1

Contour Interval :

Conductor Axis :

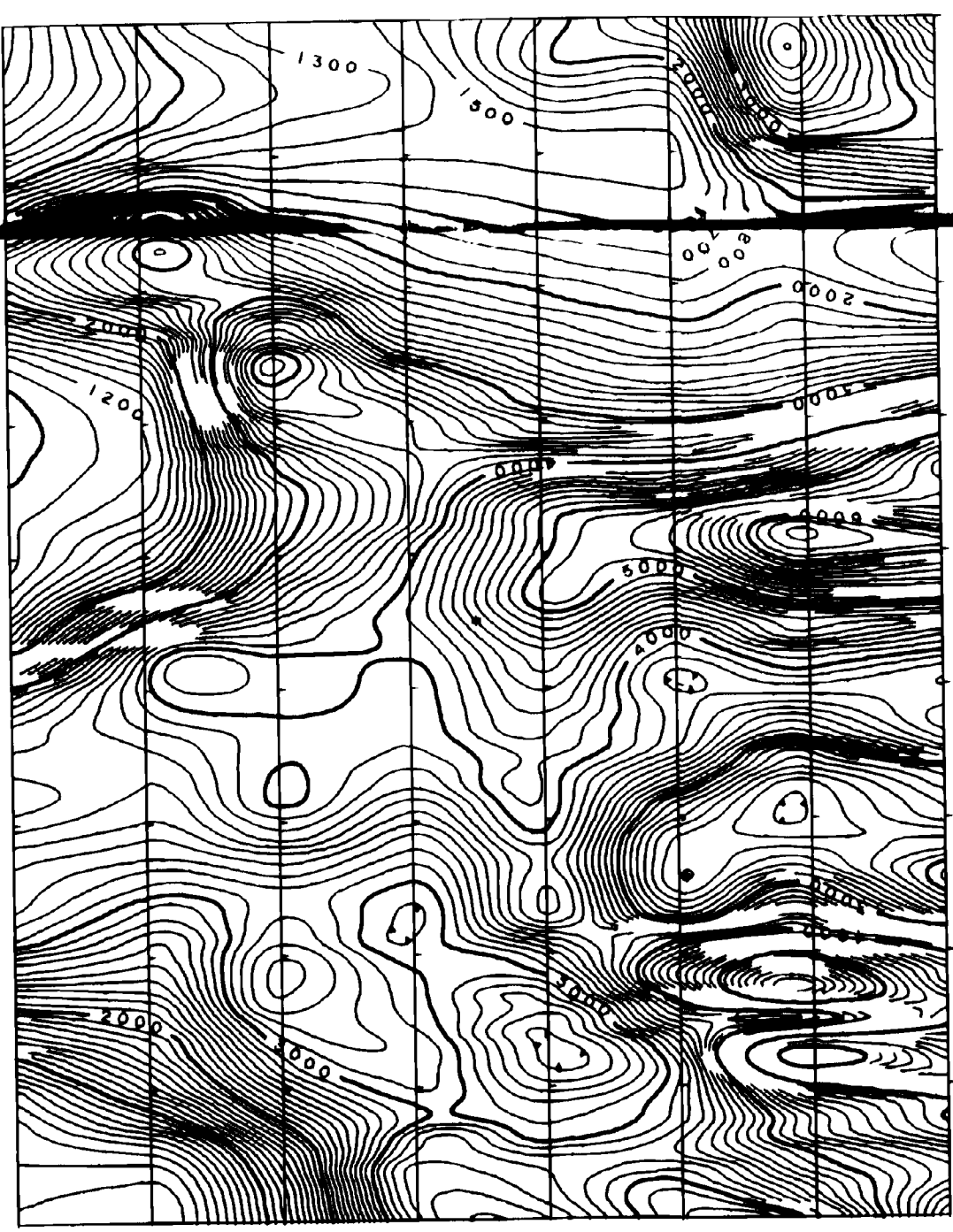


Printed on 15 Sep 1995 at 11:28 Contour of Plot at 0.00 02/25/95 in Serial 0 199102 Registered User: NORTHWEST GEOPHYSICS LTD.



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

BASELINE 0+00



TIELINE 9+00S

2.16305

RECEIVED

DEC 15 1995

MINING LANDS BRANCH
GRID DUFF 95-01

FALCONBRIDGE LTD.

MAGNETOMETER SURVEY

PROJECT: MANN BELT PROJECT #: 8269

BASELINE AZIMUTH: 90 Deg.

SCALE = 1 : 5000

DATE: 12/ 9/95

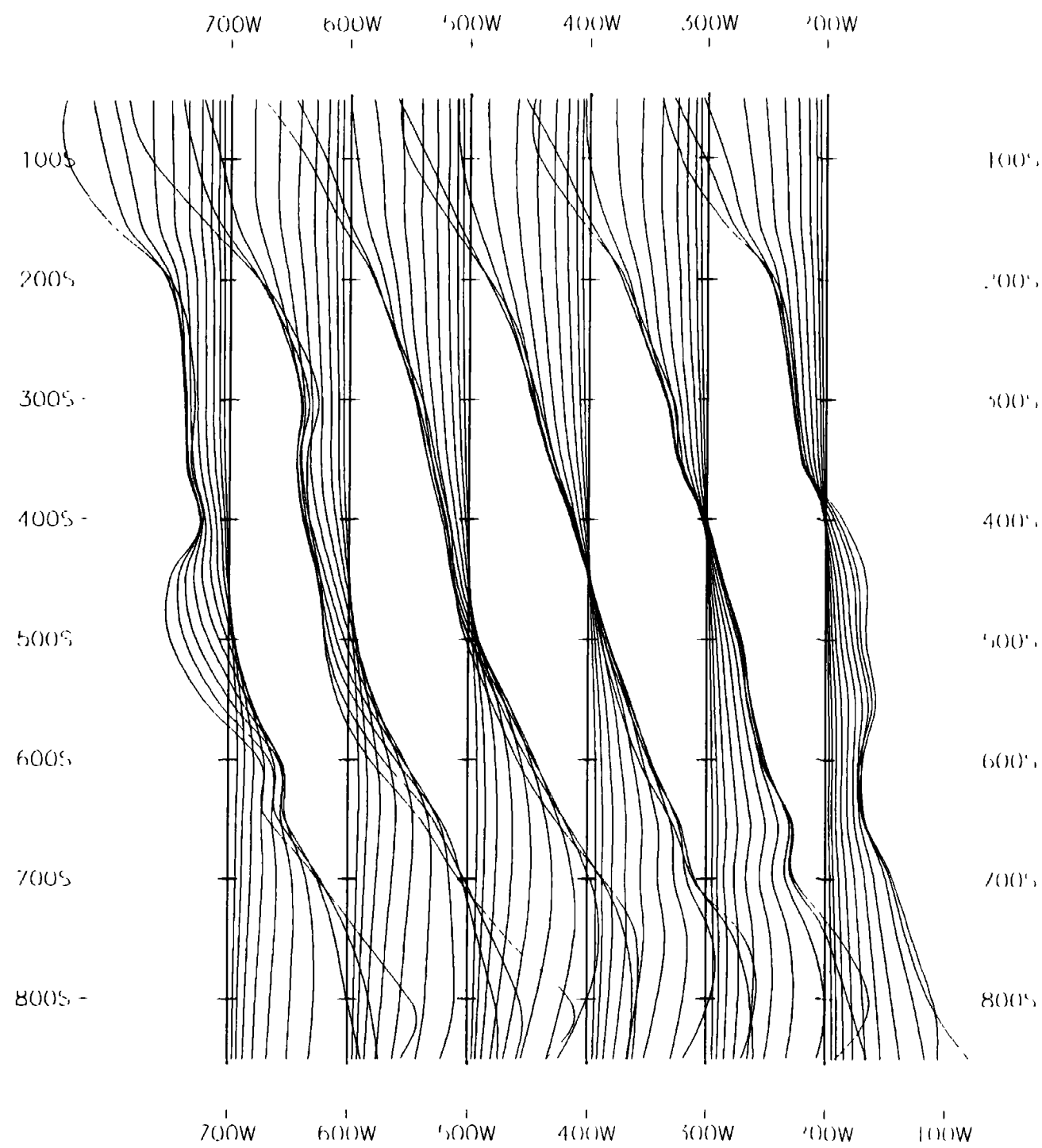
SURVEY BY: NWG

NTS: 42 A/14

NORTHWEST GEOPHYSICS LTD.

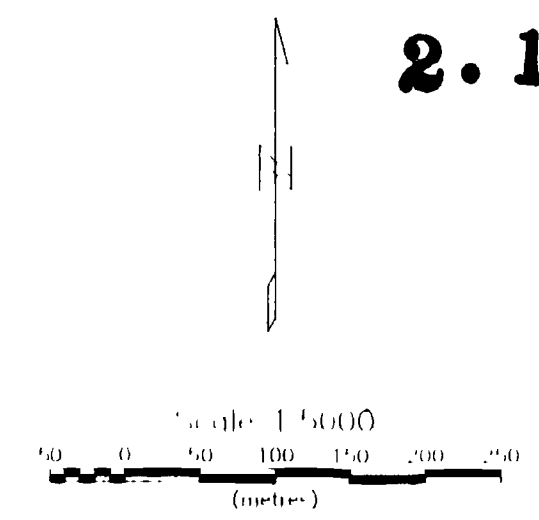
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Field : TOTAL
Datum : 59000 0 n1
Contour Interval : 100 m
Conductor Axis :





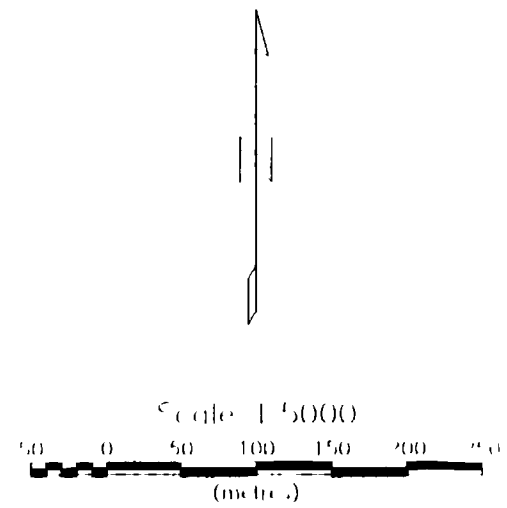
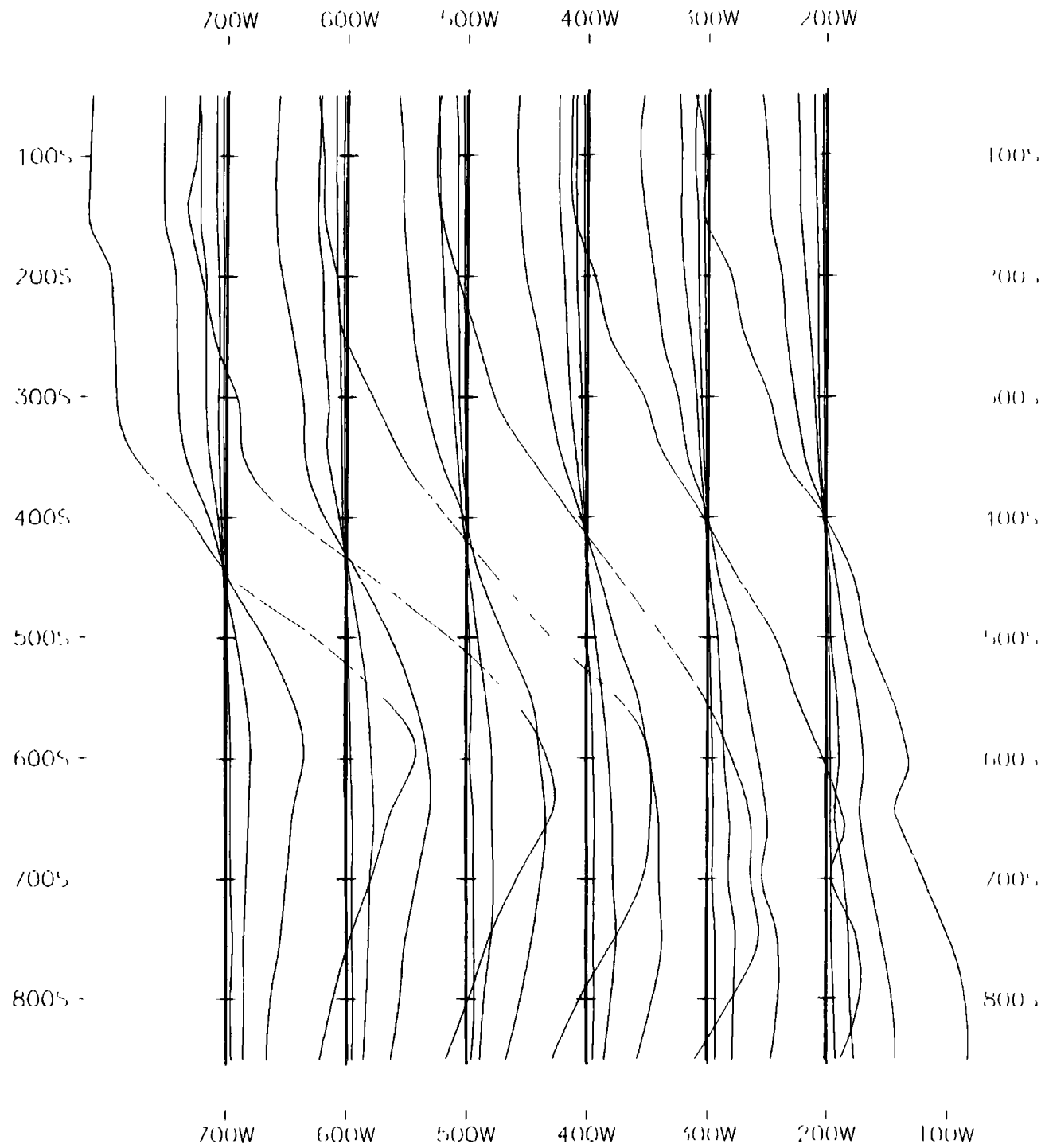
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 MINING LANDS DIVISION

2.16305



FALCONBRIDGE LIMITED
 MANN BELT CLAIMS GRID DUFF95-01
 TEM SURVEY RESULTS
 X COMPONENT CHANNELS 1 10
 Profile scale 1 cm = 2000 nanotesla per second
 Data collected by Northwest Geophysics Ltd. September 1995





FALCONBRIDGE LIMITED

MANN BELT CLAIMS GRID DUFF95 01

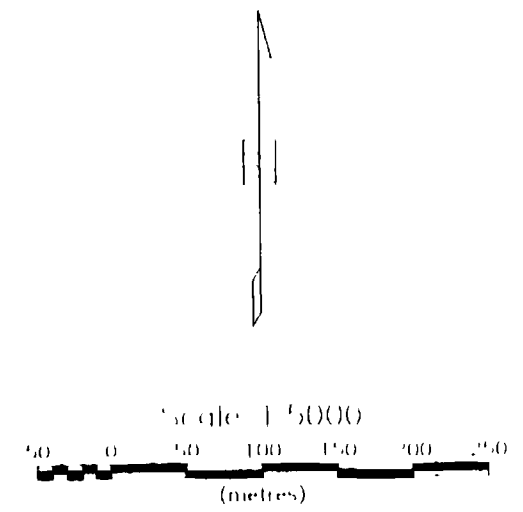
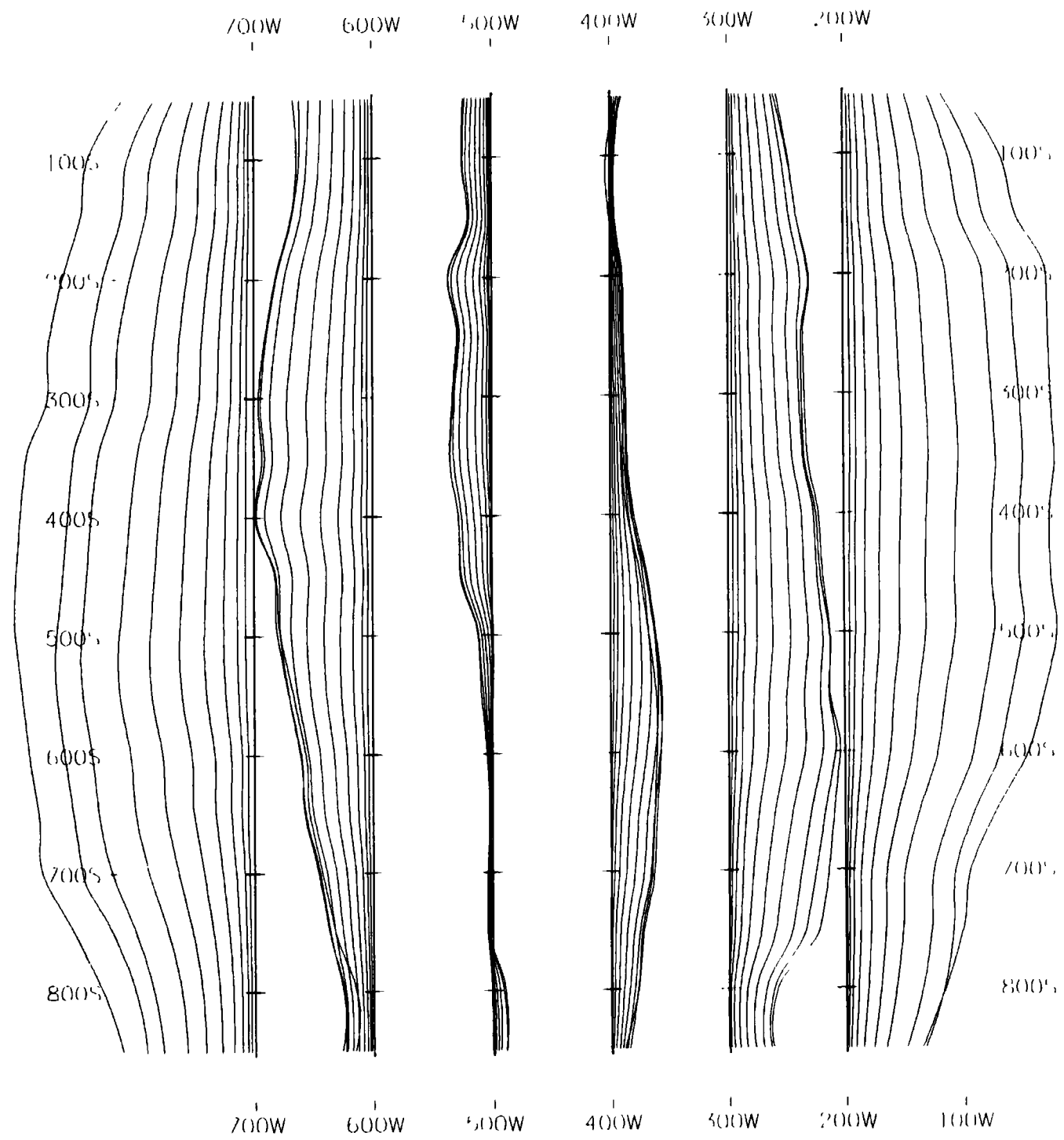
TEM SURVLY RESULTS

X COMPONENT CHANNELS 11-20

Profile Scale 1cm = 50 nanoteslas/second

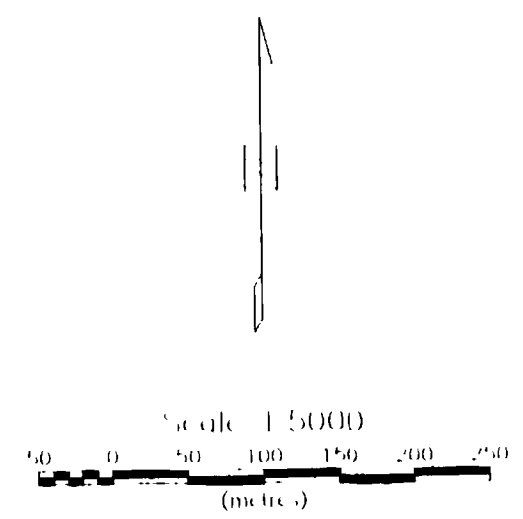
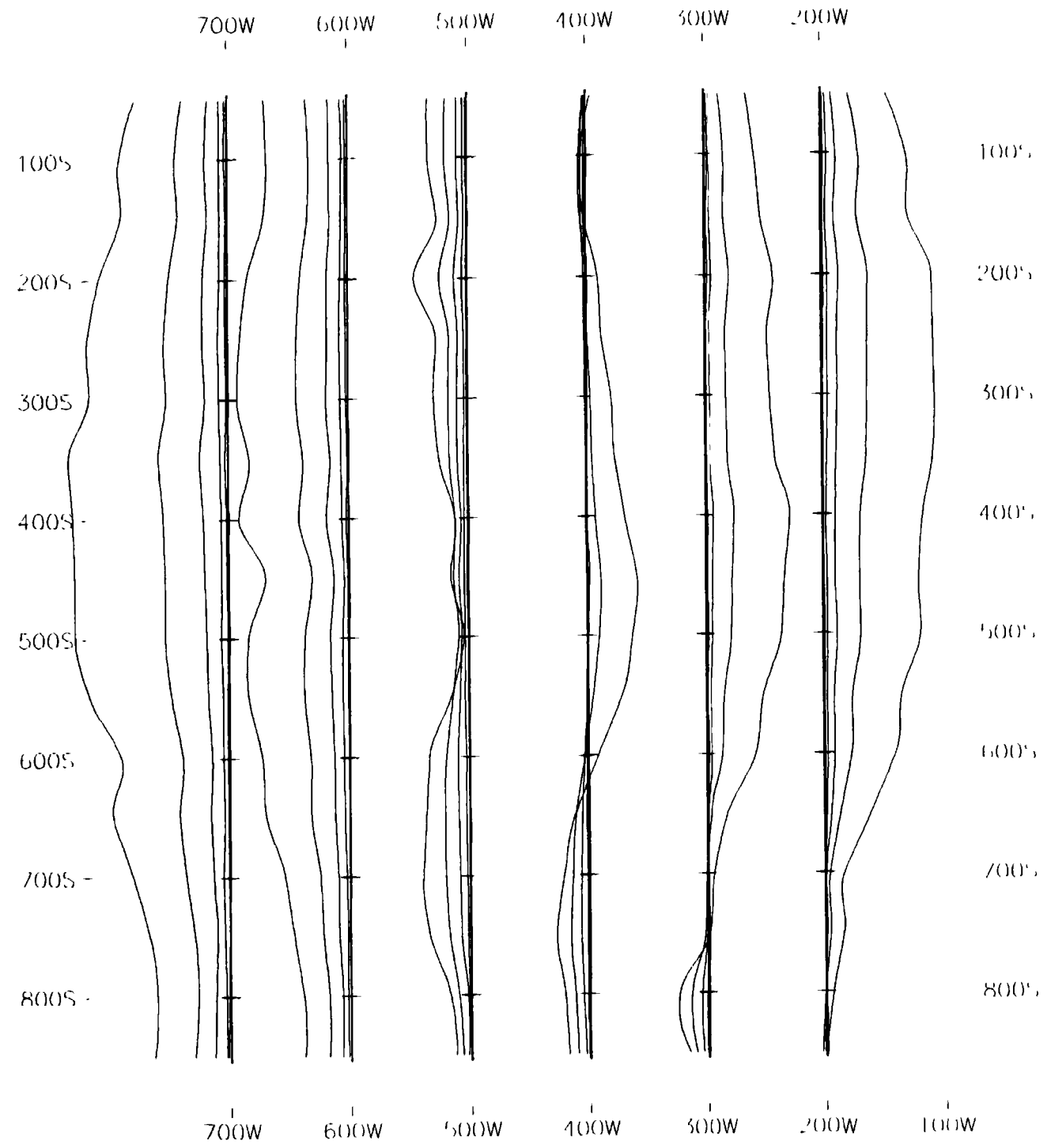
Data collected by Northwest Geophysics Ltd. September 1995





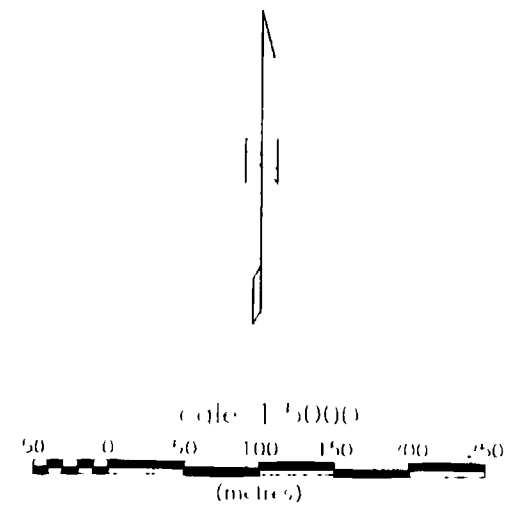
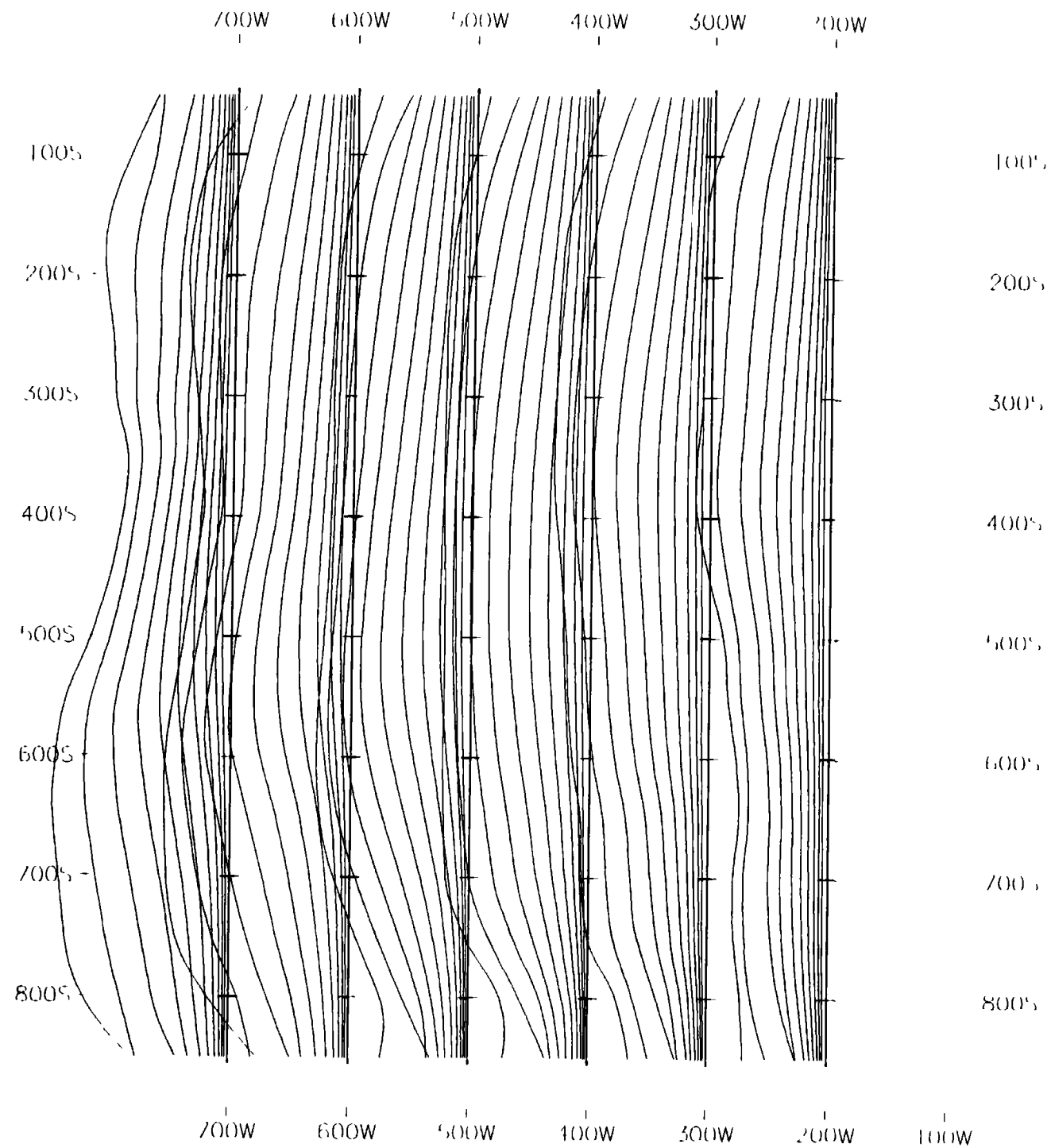
FALCONBRIDGE LIMITED
 MANN BELT CLAIMS GRID DUFF95-01
 TEM SURVEY RESULTS
 Y COMPONENT CHANNELS 1-10
 Profile scale 1 cm = 2000 nanotesla/second
 Data collected by Northwest Geophysics Ltd. September 1995





FALCONBRIDGE LIMITED
 MANN BEIT CLAIMS GRID DUFF95-01
 TEM SURVLY RESULTS
 r COMPONENT CHANNELS 11 20
 Profile Scale 1cm = 50 nanoteslas/second
 Data collected by Northwest Geophysics Ltd. September 1995





FALCONBRIDGE LIMITED

MANN BH1 CLAIMS GRID DUFF95-01

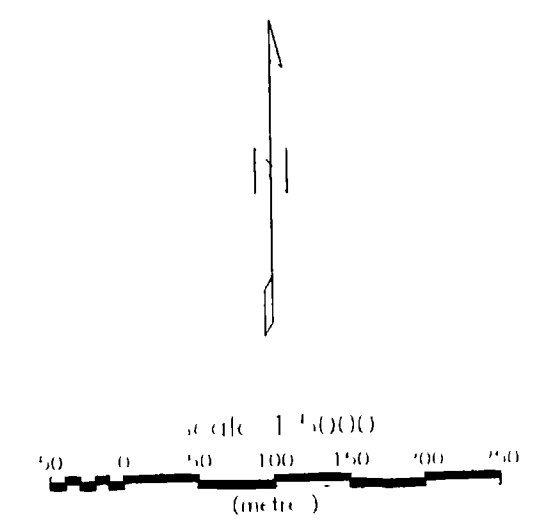
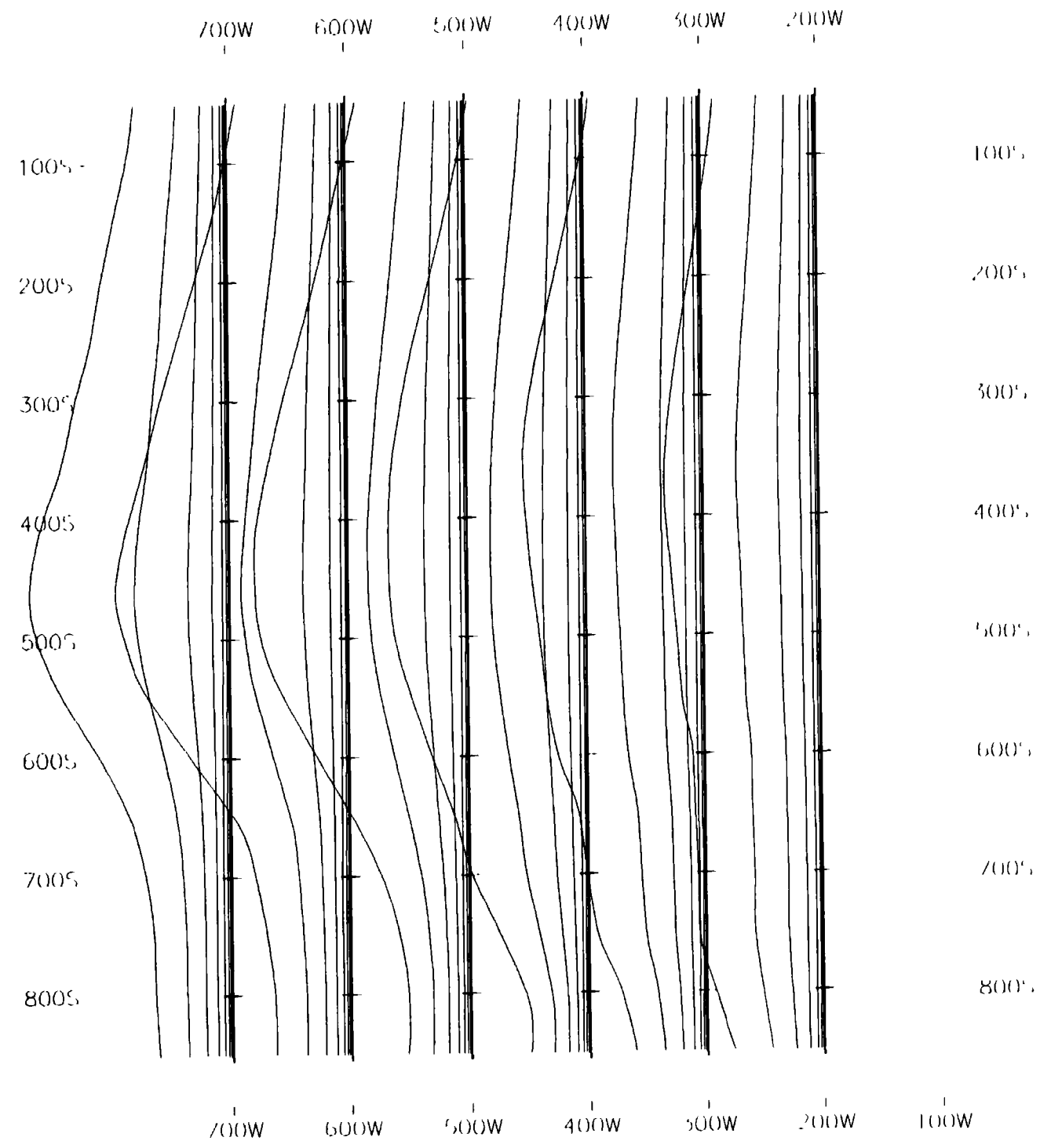
TEM SURVEY RESULTS

Z COMPONENT CHANNELS 1-10

Profile Scale 1 cm = 4000 nanotesla/second

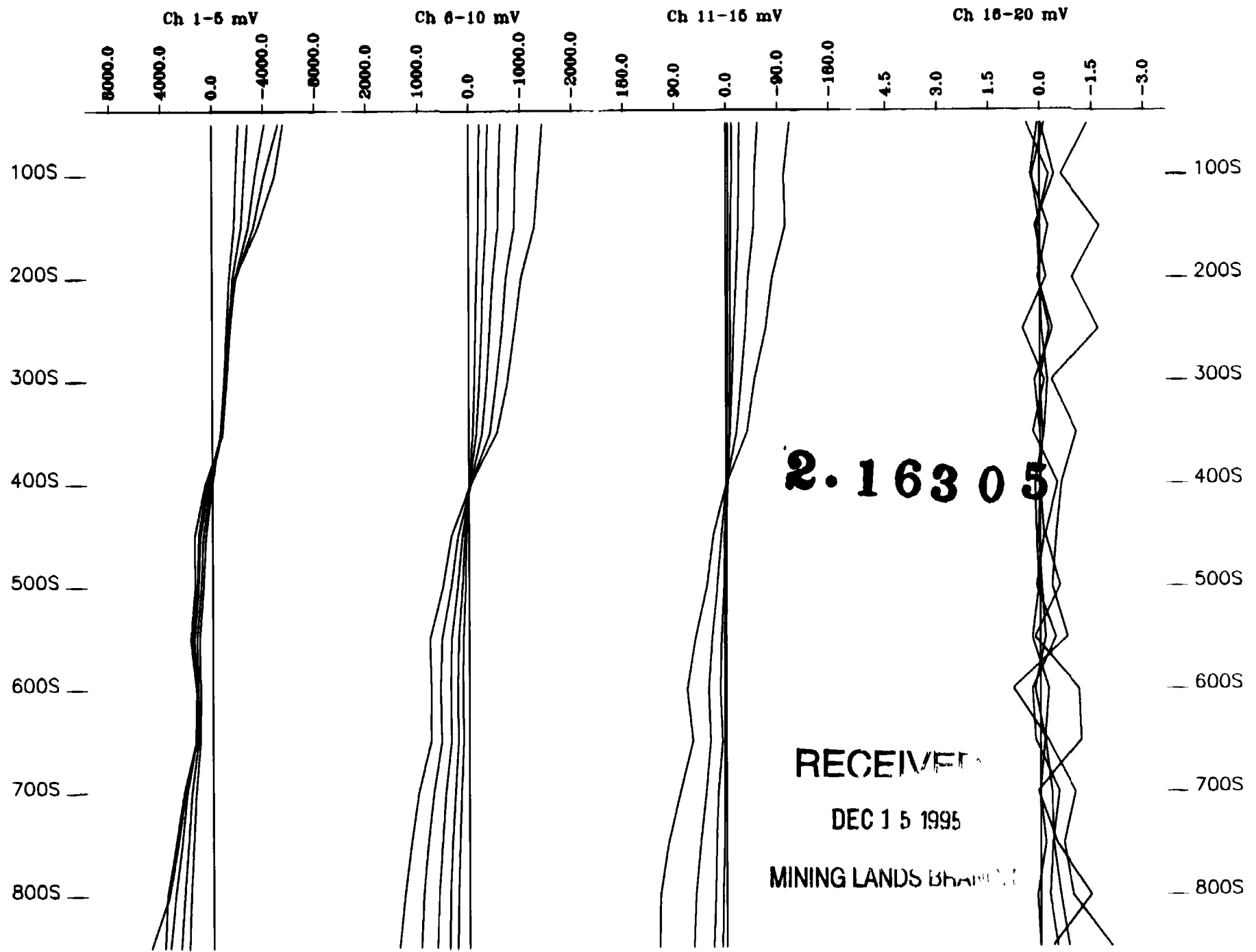
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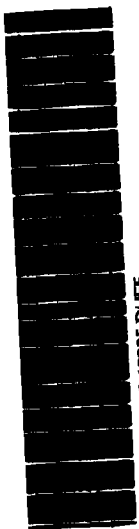


FALCONBRIDGE LIMITED
 MANN BELT CLAIMS GRID DUFF95-01
 TEM SURVEY RESULTS
 7 COMPONENT CHANNELS 11-20
 Profile Scale 1 cm=100 nanoteslas/second
 Data collected by Northwest Geophysics Ltd September 1995





320



42A14NE0065 2 16305 DUFF

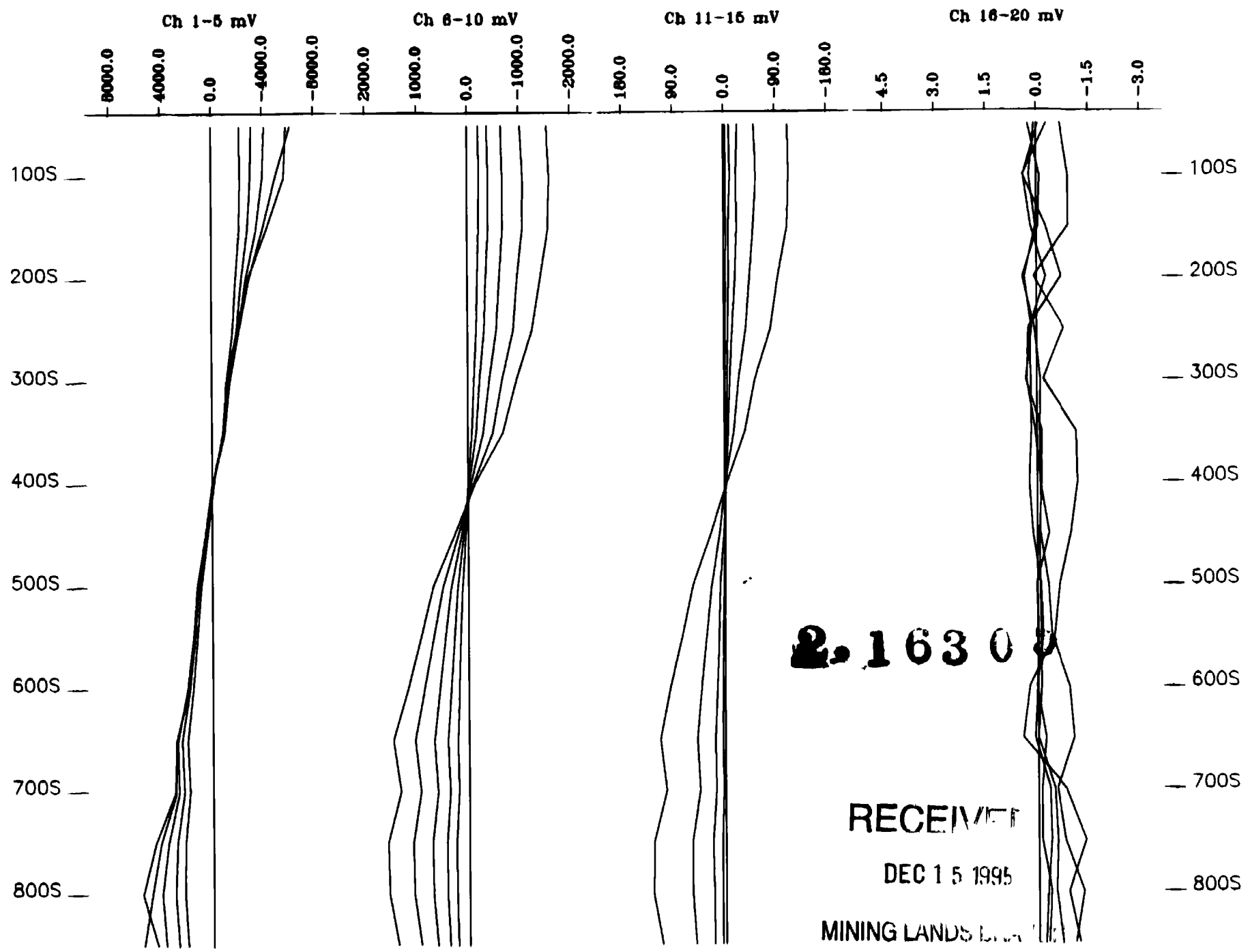
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Line -200 WEST X Component

Date Oct. 1995 Tx Area 6300m Inst Geonics EM 37D
 Scale 1:5000 Tx Curr 13 Amp Frequency 30 hertz

NORTHWEST GEOPHYSICS LTD.

NWG



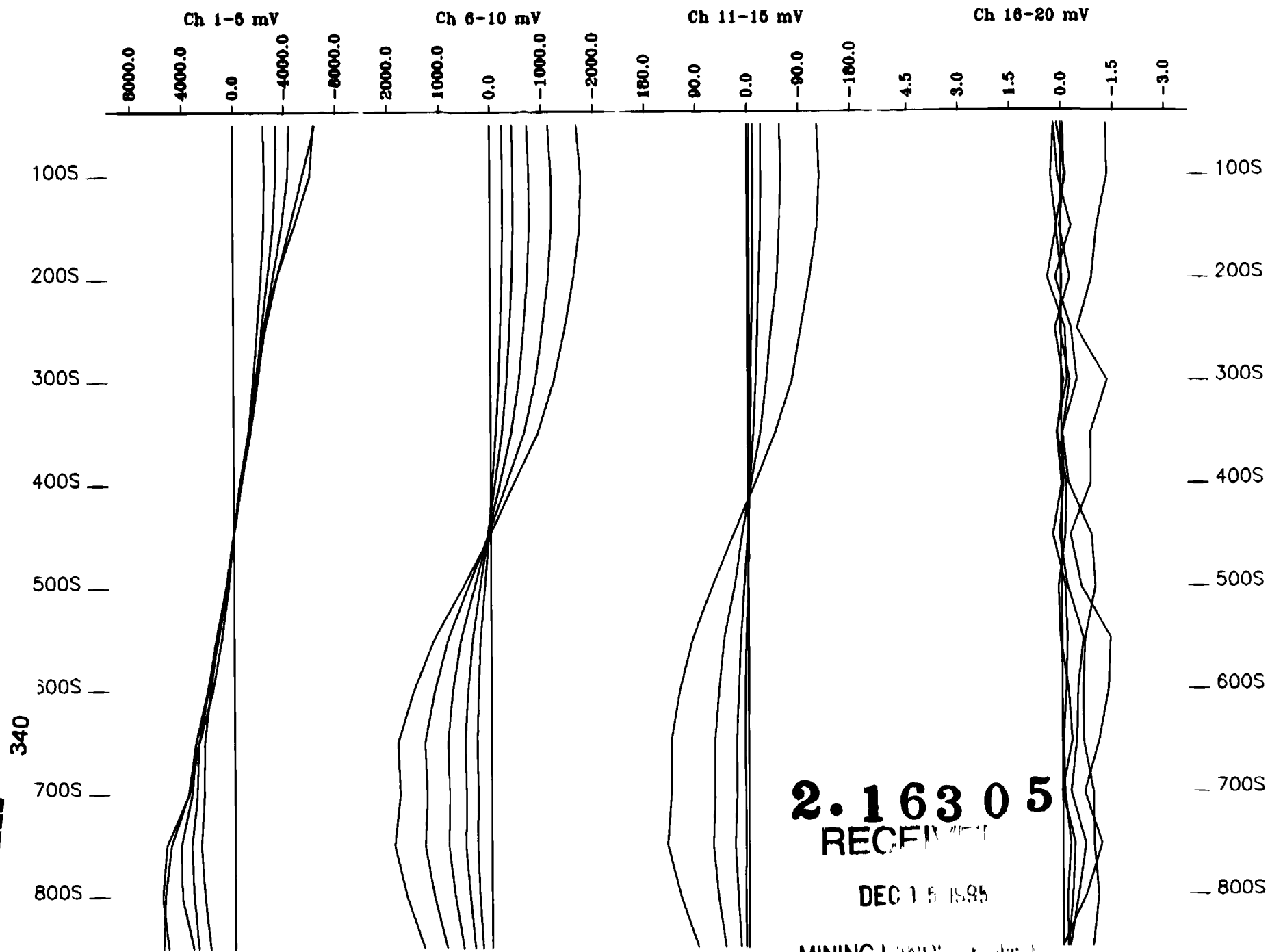
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 Scale 1:5000 Tx Curr 13 Amp Frequency 30 hertz

NORTHWEST GEOPHYSICS LTD.

42A14NE0085 2 16305 DUFF

NWG



MANN BELT PROJECT TDEM SURVEY GRID DUF95-01

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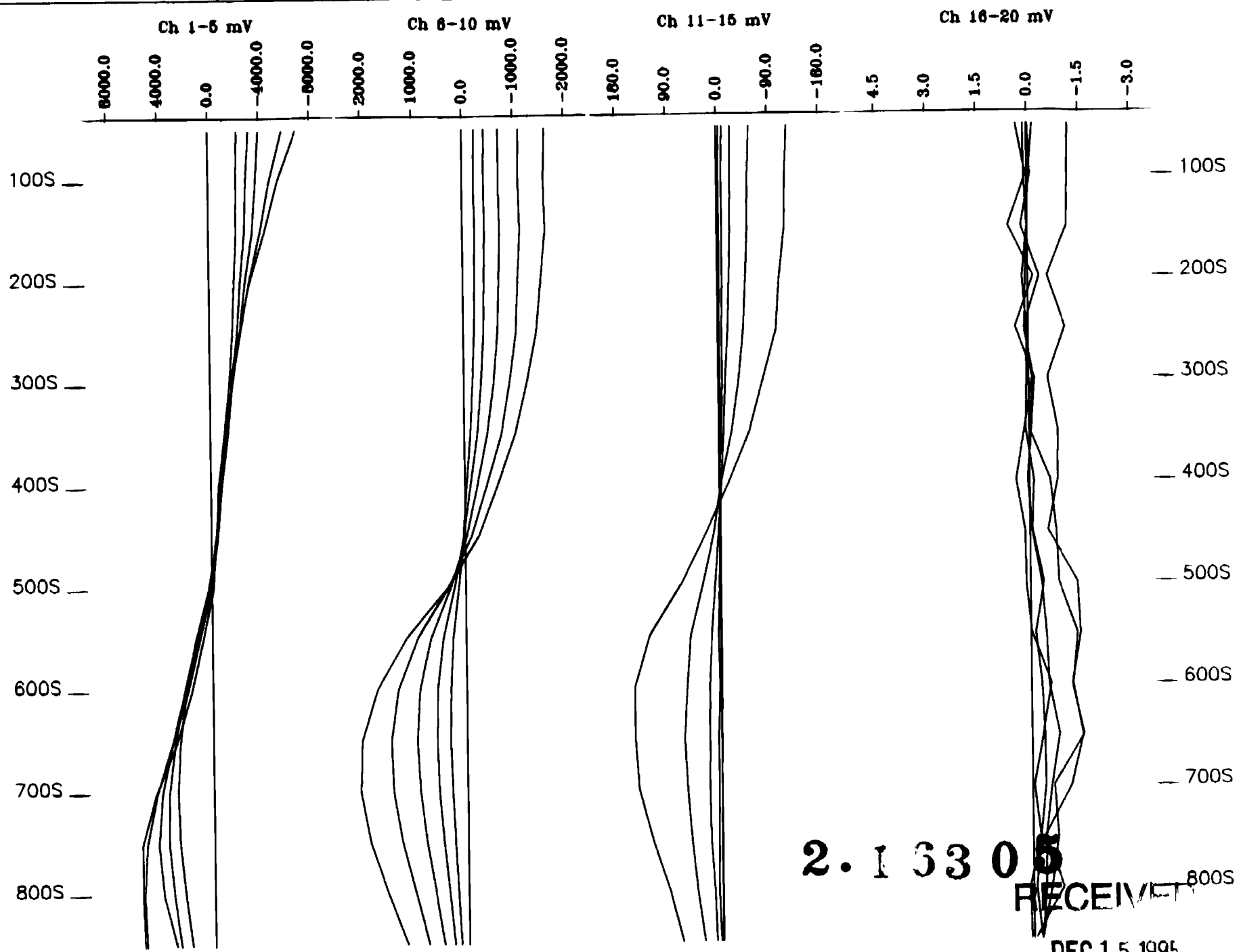
Scale 1.5000 Tx Curr. 13 Amp Frequency 30 hertz

NORTHWEST GEOPHYSICS LTD.

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NWE

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MANN BELT PROJECT TDEM SURVEY GRID DUF95.01
Line -500 WEST X Component

Date Oct. 1995 Tx Area 6300m Inst Geonics EM 37D
Scale 1 5000 Tx Curr 13 Amp Frequency 30 hertz

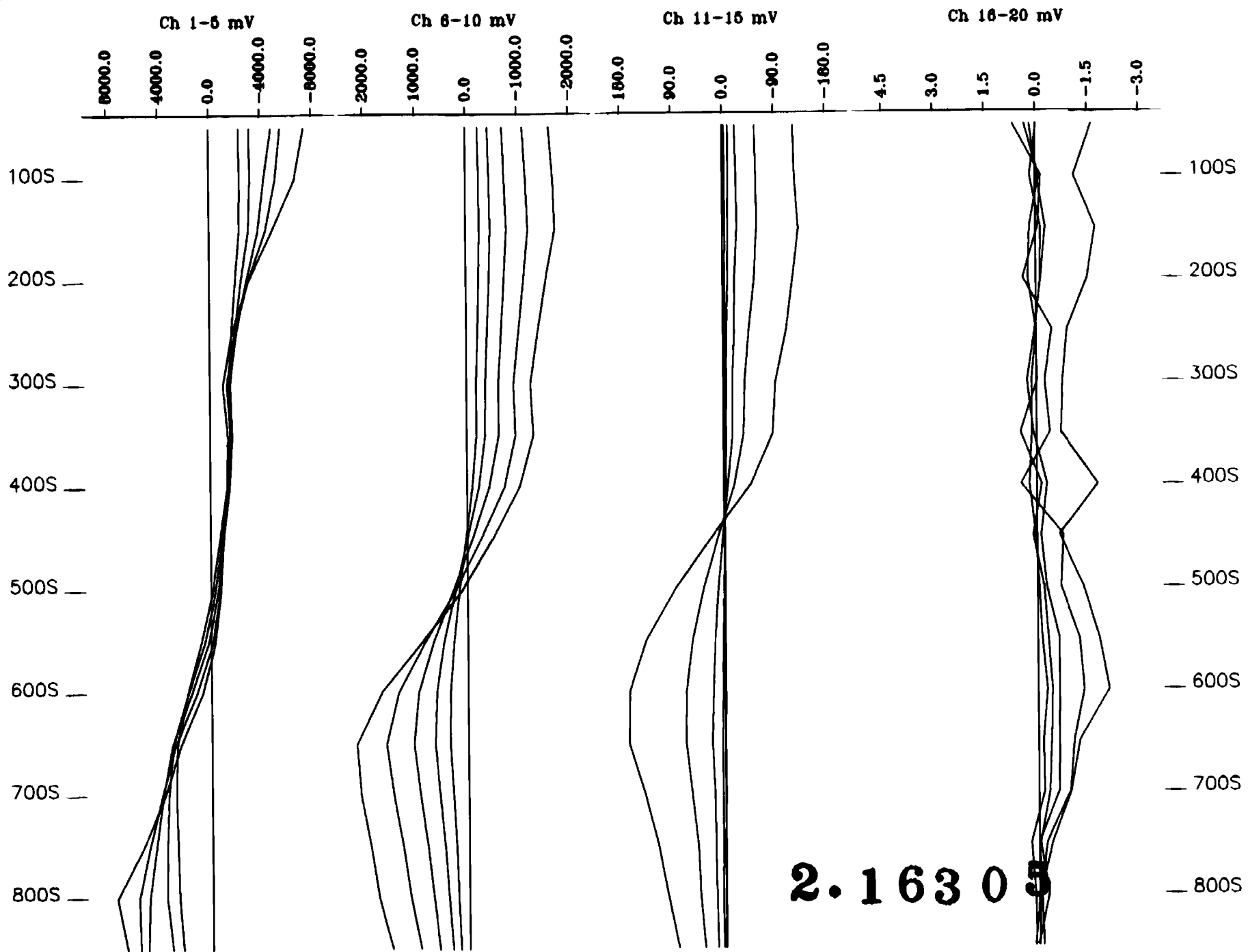
NORTHWEST GEOPHYSICS LTD.



42A14NE0066 2 16305 DUFF

NWG

360



MANN BELT PROJECT TDEM SURVEY GRID DUF95-01

Line -600 WEST X Component

Date Oct. 1995 Tx Area 6300m Inst Geonics EM 37D

Scale 1:5000 Tx Curr. 13 Amp Frequency 30 hertz

NORTHWEST GEOPHYSICS LTD.

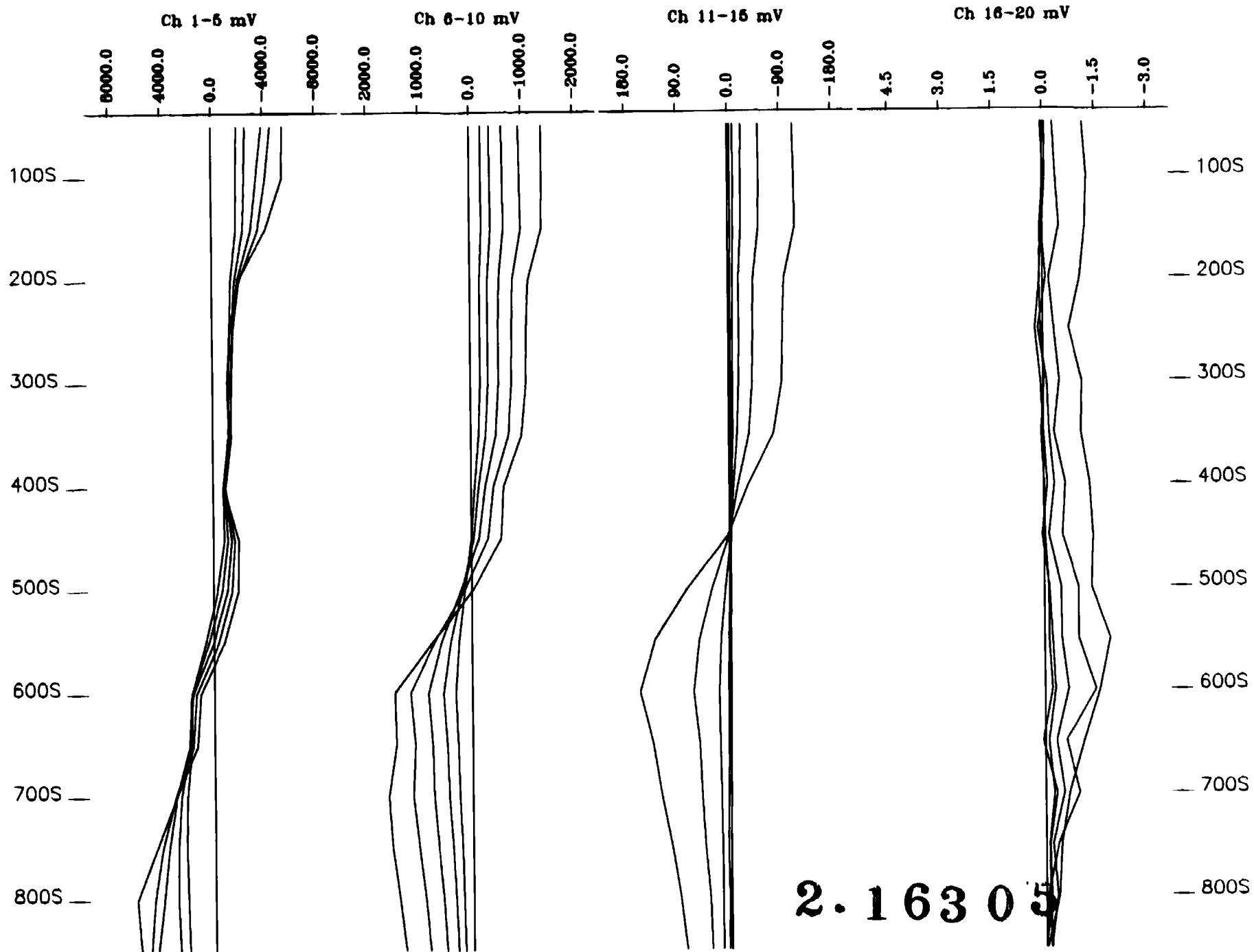
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DEC 15 1995

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42A14NE065 2 16305 DUFF



MANN BELT PROJECT TDEM SURVEY GRID DUF95-01
Line -700 WEST X Component

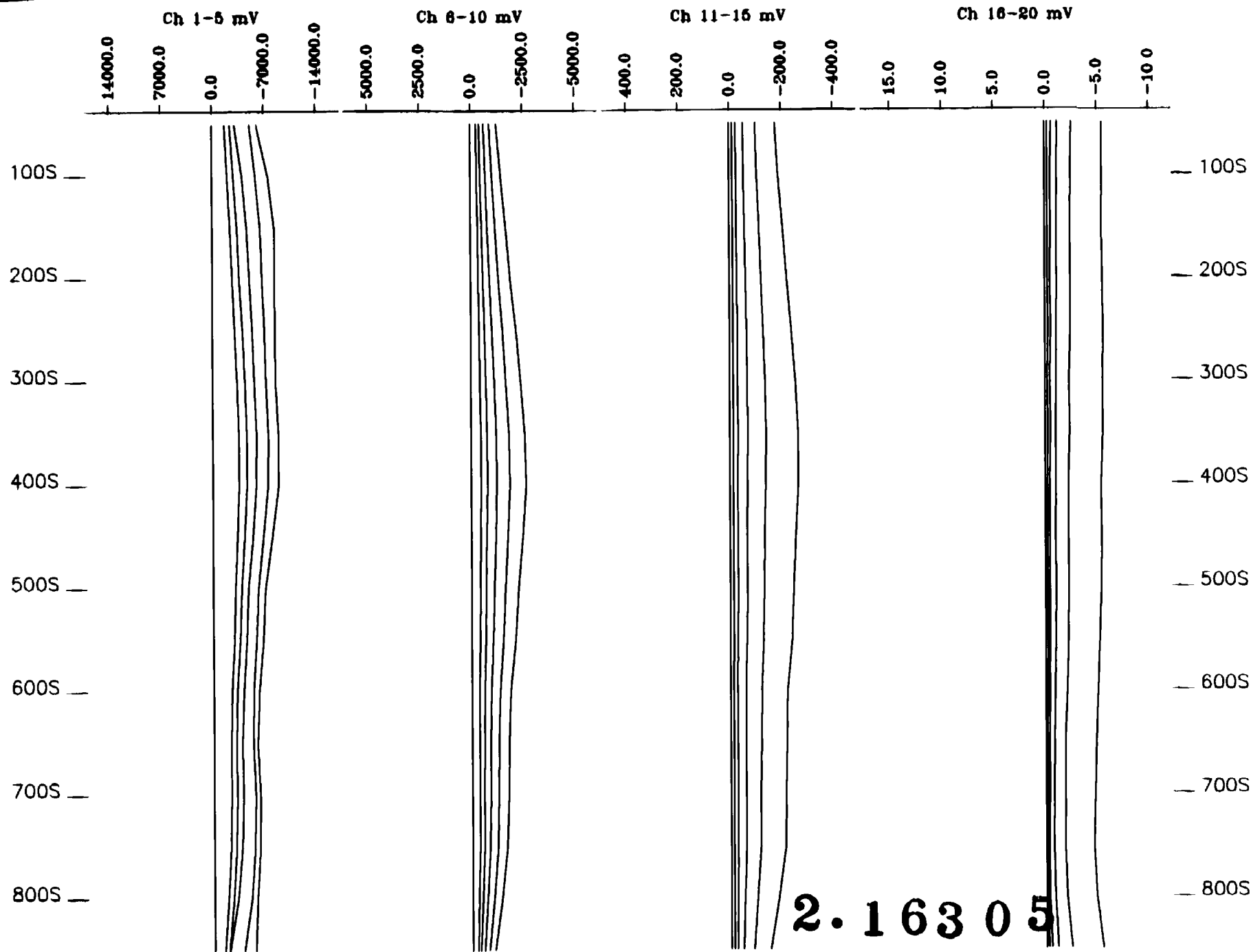
Date Oct. 1995 Tx Area 6300m Inst. Geonics EM 37D
 Scale 1.5000 Tx Curr 13 Amp. Frequency 30 hertz

NORTHWEST GEOPHYSICS LTD.

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MINING DEPARTMENT



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MANN BELT PROJECT TDEM SURVEY GRID DUF95-01 RECEIVER

Line -200 WEST Z Component

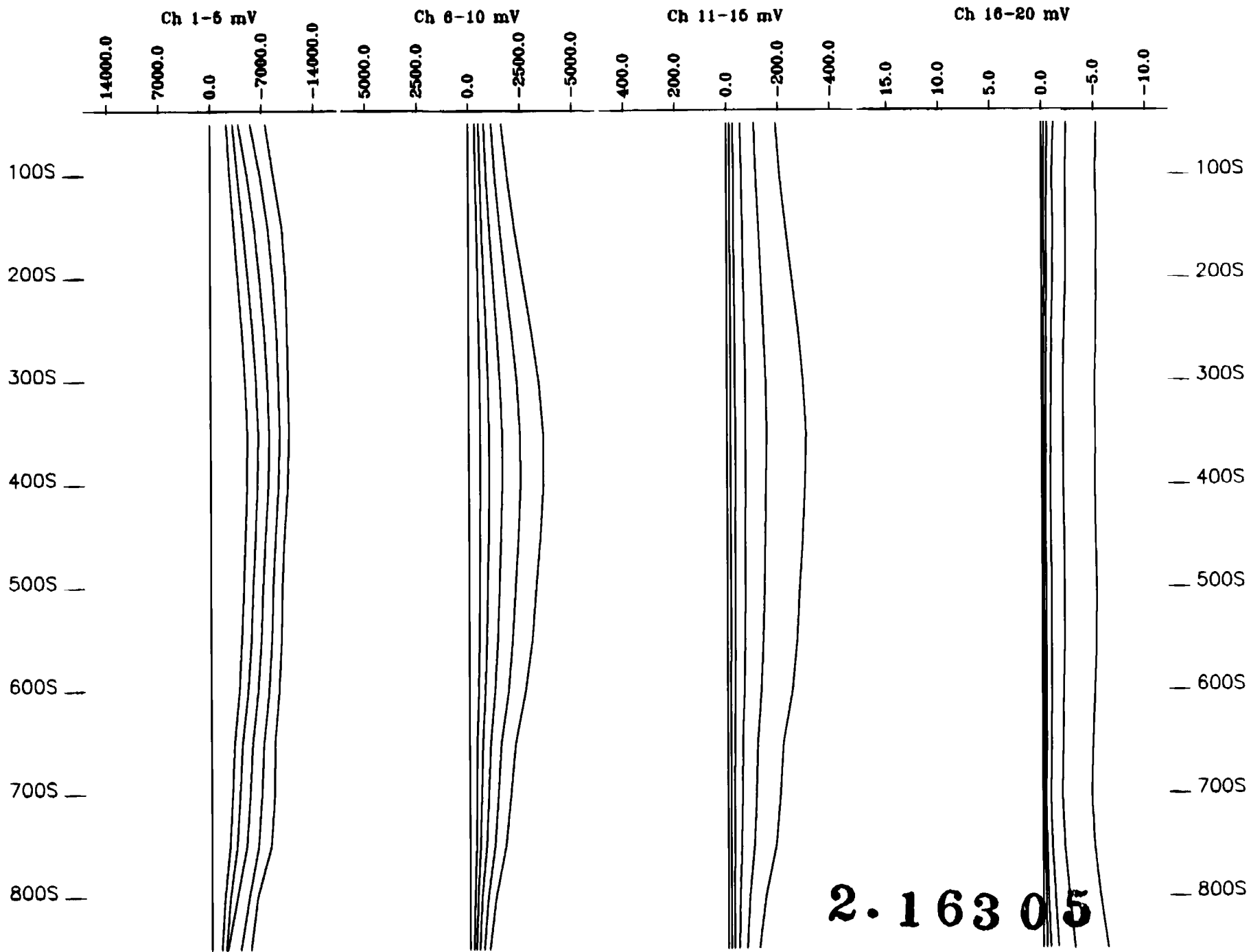
Date Oct. 1995 Tx Area 6300m Inst Geonics EM 37D
Scale 1 5000 Tx Curr. 13 Amp Frequency 30 hertz

DEC 15 1995

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MINING LANDS BRANCH

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MANN BELT PROJECT TDEM SURVEY GRID DUF95-01

Line -300 WEST Z Component

Date Oct. 1995 Tx Area 6300m Inst Geonics EM 37D

Scale 1 5000 Tx Curr. 13 Amp Frequency 30 hertz

NORTHWEST GEOPHYSICS LTD.

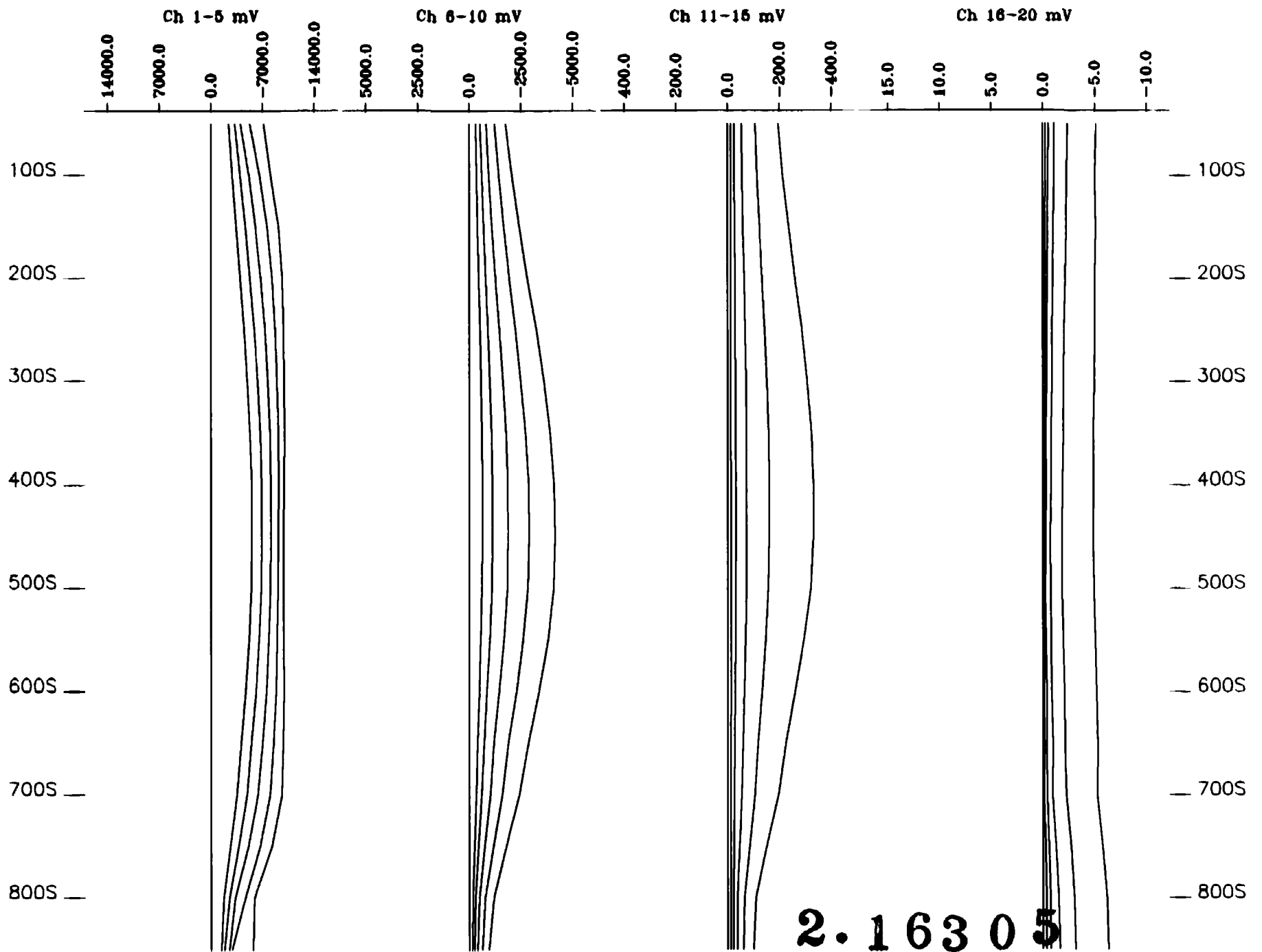
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MINING LANDS BRANCH

UNNAMED NW5

42A14NE0065 2 16305 DUFF



MANN BELT PROJECT TDEM SURVEY GRID DUF95-01
 Line -400 WEST Z Component

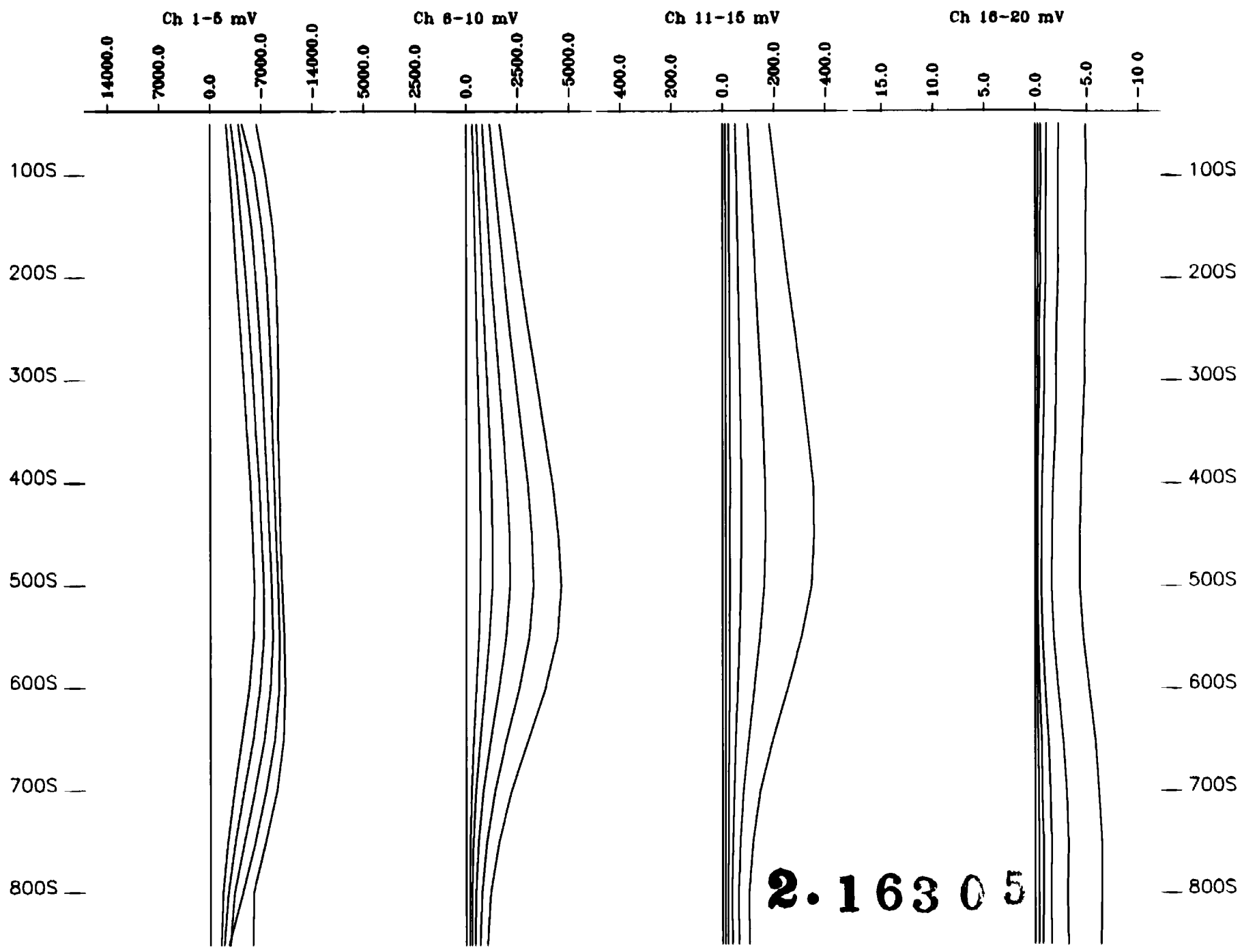
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NORTHWEST GEOPHYSICS LTD.

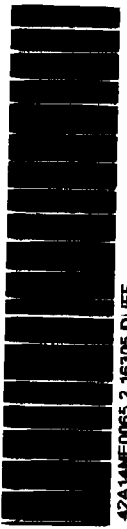
RECEIVED

DEC 15 1995

MINING LANDS OFFICE



410



42A14NE0065 2 16305 DUFF

MANN BELT PROJECT TDEM SURVEY GRID DUF95-01 RECEIVED
 Line -500 WEST Z Component

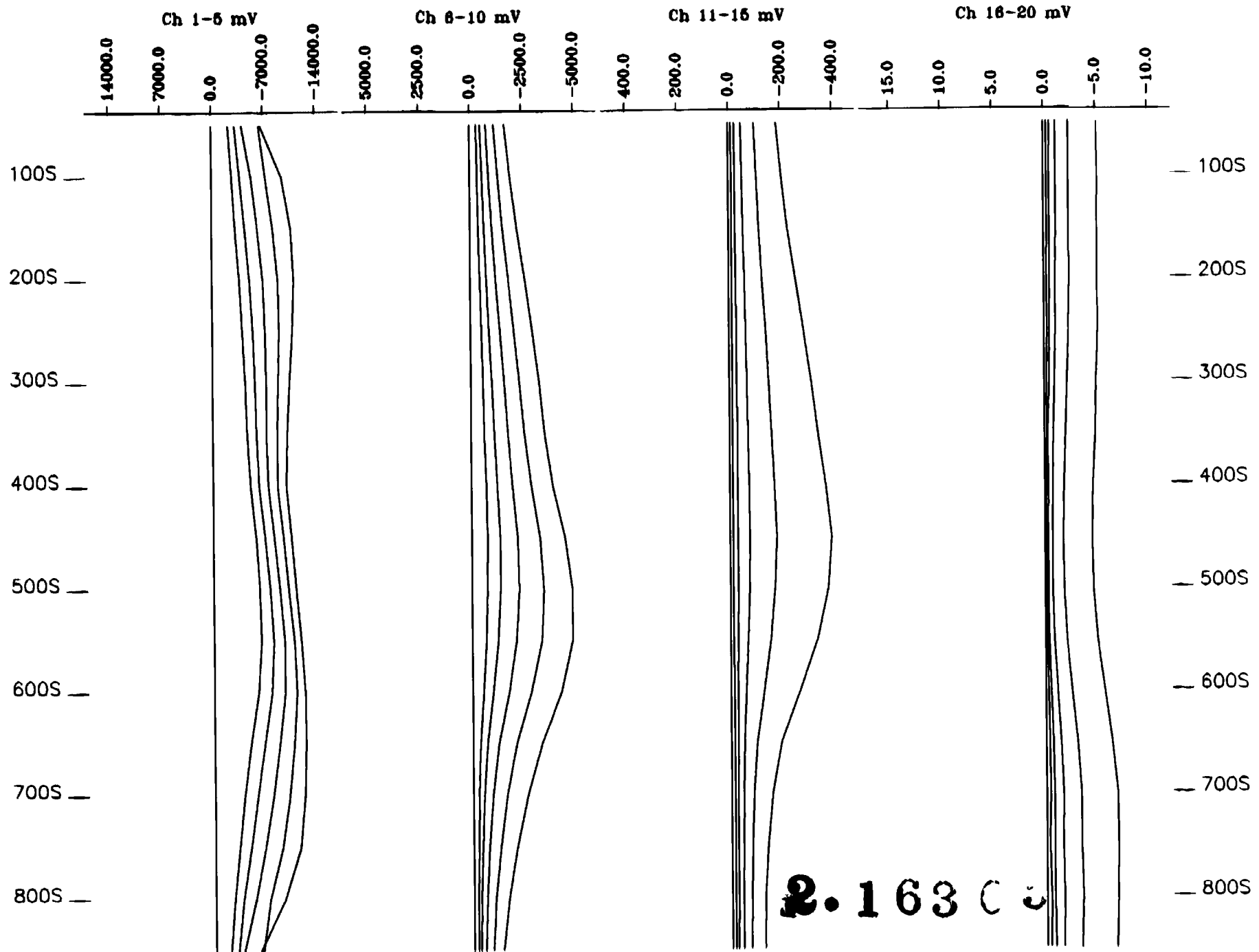
Date Oct. 1995 Tx Area 6300m Inst Geonics EM 37D
 Scale 1:5000 Tx Curr. 13 Amp Frequency 30 hertz

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Ch 1-5 mV Ch 6-10 mV Ch 11-15 mV Ch 16-20 mV



MANN BELT PROJECT TDEM SURVEY GRID DUF95-01

Line -600 WEST Z Component

Date Oct. 1995 Tx Area 6300m Inst Geonics EM 37D
 Scale 1 5000 Tx Curr. 13 Amp Frequency 30 hertz

NORTHWEST GEOPHYSICS LTD.

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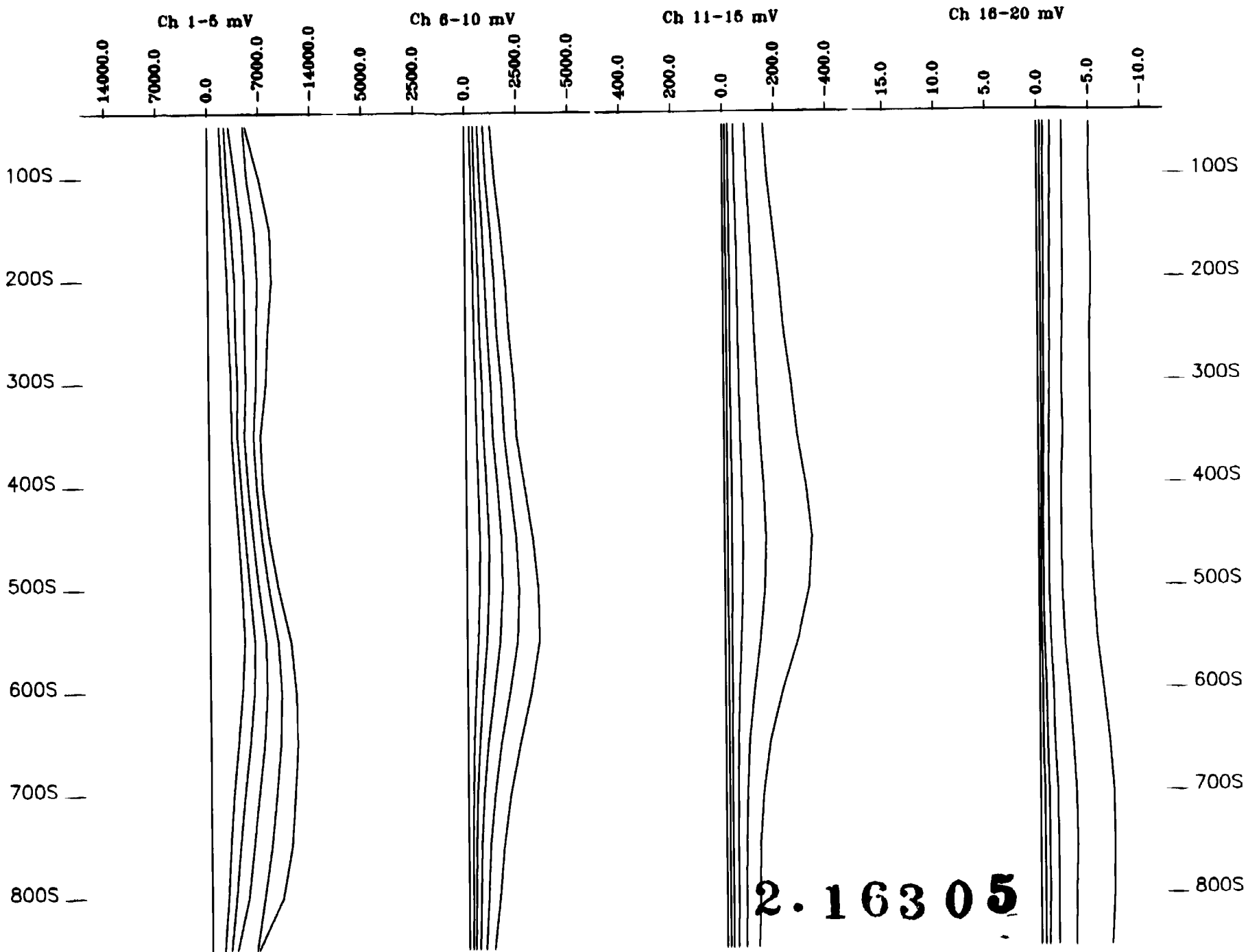
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42A14NE0065 2 16305 DUFF

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430



42A14NE0065 2 16305 DUFF

MANN BELT PROJECT TDEM SURVEY GRID DUF95-RECEIVED
 Line -700 WEST Z Component

Date Oct. 1995 Tx Area 6300m Inst. Geonics EM 37D
 Scale 1:5000 Tx Curr 13 Amp Frequency 30 hertz

DEC 15 1995

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