



42A12SE0232 2.11273 ROBB

010

GEOPHYSICAL REPORT

RECEIVED

ON THE

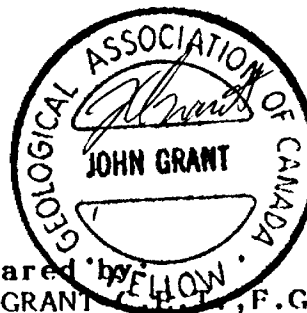
JUN 2 1988

ROBB TOWNSHIP PROPERTY
Porcupine Mining Division

MINING LANDS SECTION

FOR

FALCONBRIDGE LIMITED
Porcupine Mining Division, Timmins, Ontario



Prepared by
J.C. GRANT, F.G.A.C.
Exsics Exploration Ltd.
Timmins, Ontario
May 25, 1988



42A12SE0232 2.11273 ROBB

010C

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Introduction

Exsics Exploration Limited was contracted to perform geophysical surveys on a group of 22 claims owned by Falconbridge Limited, which are situated in Robb Township, Porcupine Mining Division, Timmins, Ontario. These surveys were completed during the latter half of February to the first week of March, 1988.

The objective of those surveys was to locate and outline favorable geological structure which would be suitable for economical base metal and or gold deposition.

Personnel

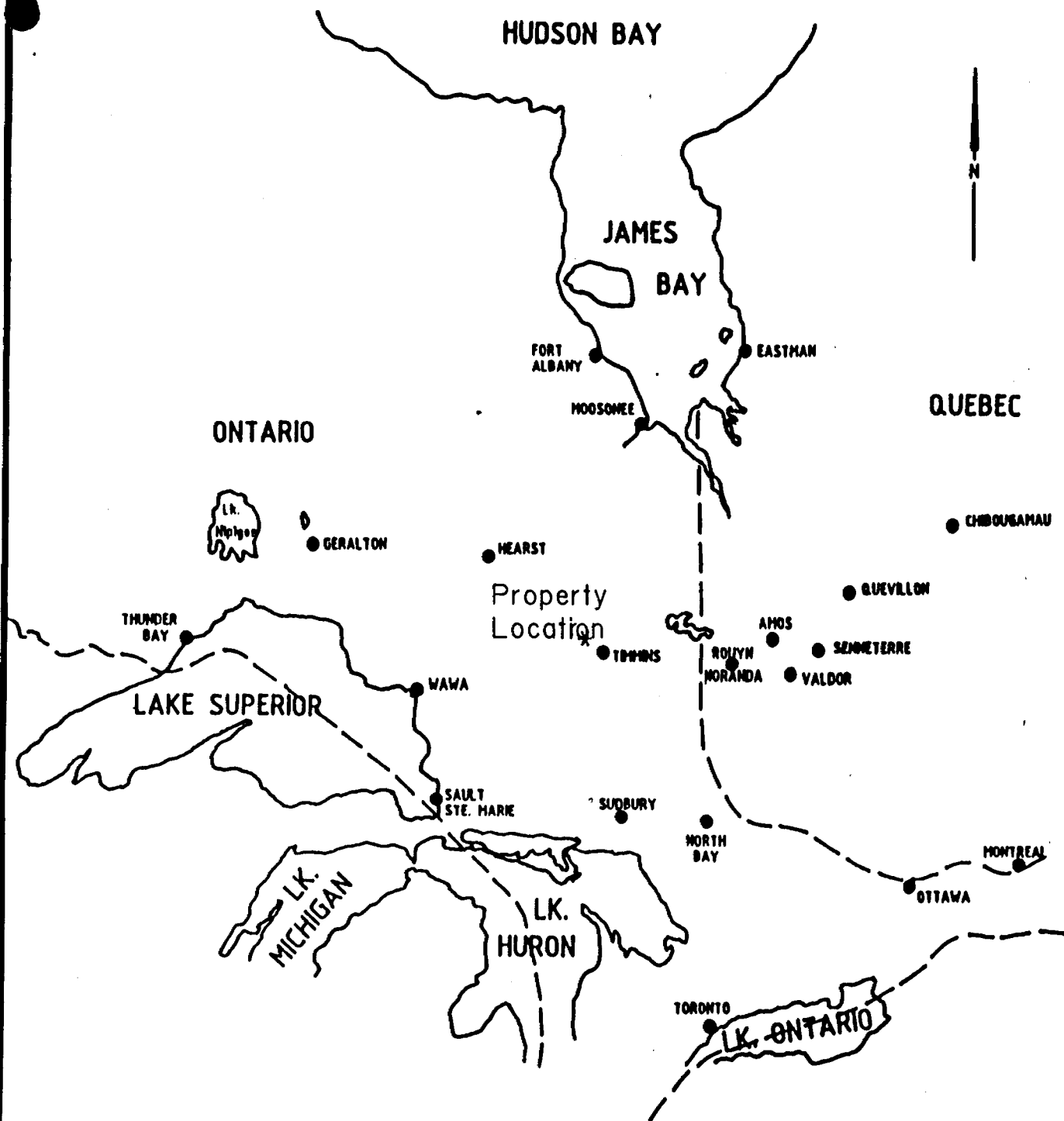
The Exsics staff directly involved with the data collection are as follows:

Lanny Anderson	Timmins, Ontario
Wayne Pearson	" "
Jeff Peterson	" "
Mike Hickey	" "
Rick Lavoy	" "

The work program was supervised by J. C. Grant.

Property Location & Access

The "Robb Property" consists of 22 contiguous, unpatented mining claims all of which are located in the north, central-east section of Robb Township as shown on the Ministry of Northern Development and Mines Plan Map M-309. Half Moon Lake flows into the central-east section of the property. Refer to figures 1 and 2 of this report.



EXSICS EXPLORATION LTD.
 P.O. Box 1000, P4N-7X1
 Suite 13, Hollinger Bldg. Timmins Ont.
 Telephone: 705-267-6551

CLIENT: FALCONBRIDGE LIMITED

PROPERTY: ROBB PROPERTY

TITLE:

LOCATION MAP

Fig. 1

Date: MAY 1988

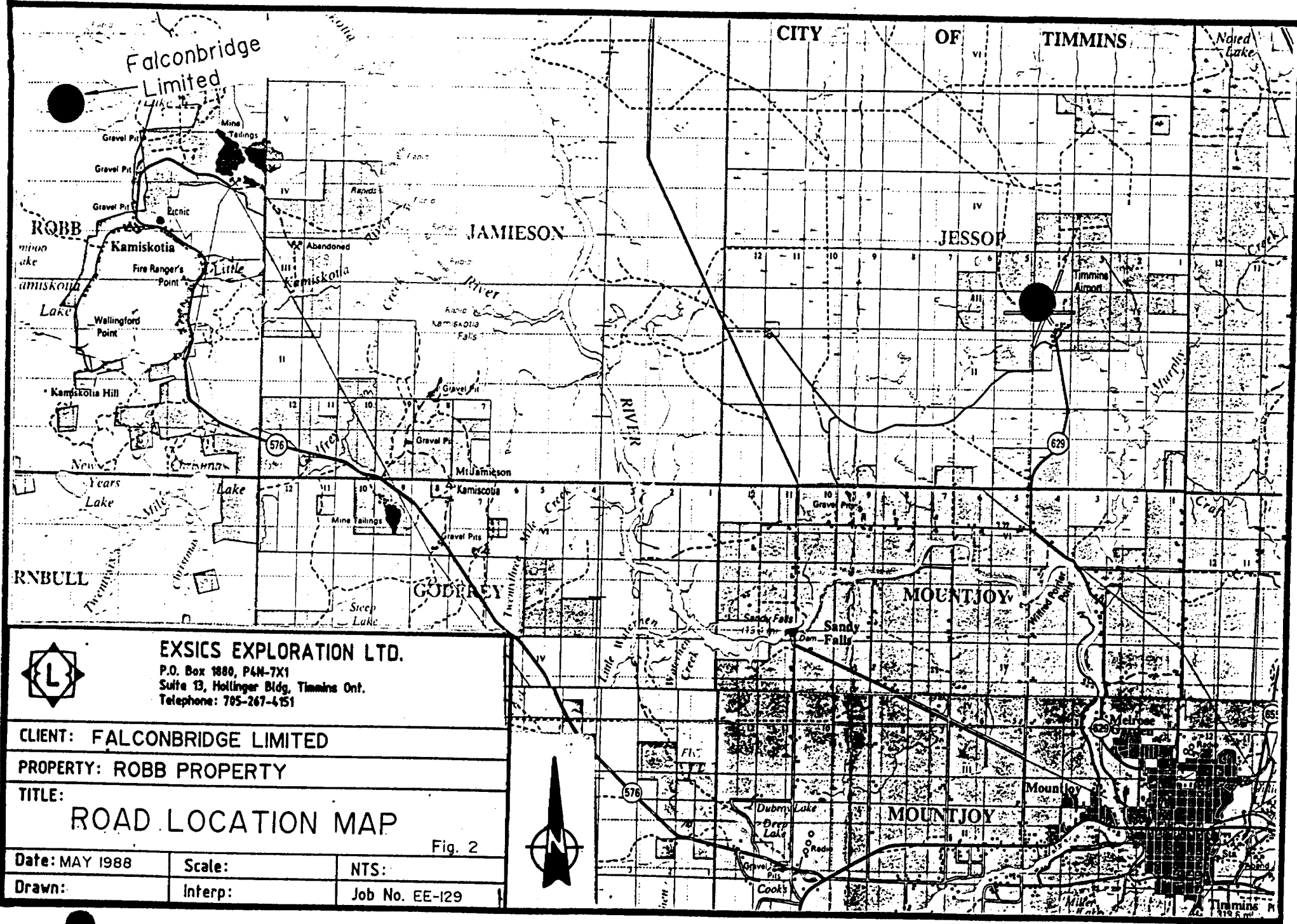
Scale: 1" = 125miles

NTS:

Drawn:

Interp:

Job No. EE-129



EXSICS EXPLORATION LTD.

P.O. Box 1880, P4M-7X1
 Suite 13, Hollinger Bldg, Timmins Ont.
 Telephone: 705-267-4151

CLIENT: FALCONBRIDGE LIMITED

PROPERTY: ROBB PROPERTY

TITLE:
ROAD LOCATION MAP

Fig. 2

Date: MAY 1988

Scale:

NTS:

Drawn:

Interp:

Job No. EE-129

In more general terms, the property is situated approximately 37 km north-northwest of the City of Timmins (figure 2)

Access to the property is ideal year round. Highway 101 west, head out of the city to the junction of Highways 101 west and 576. Highway 576 is a good paved road running north-northwest up to Kamiskotia Lake. A good secondary gravel road, constructed by Abitibi Lumber runs north off of highway 576 and provides good access to Half Moon Lake. A short boat ride or skidoo ride will bring one to the east end of cut grid.

Claim Group

The claim numbers which make up the "Robb Property" are listed below:

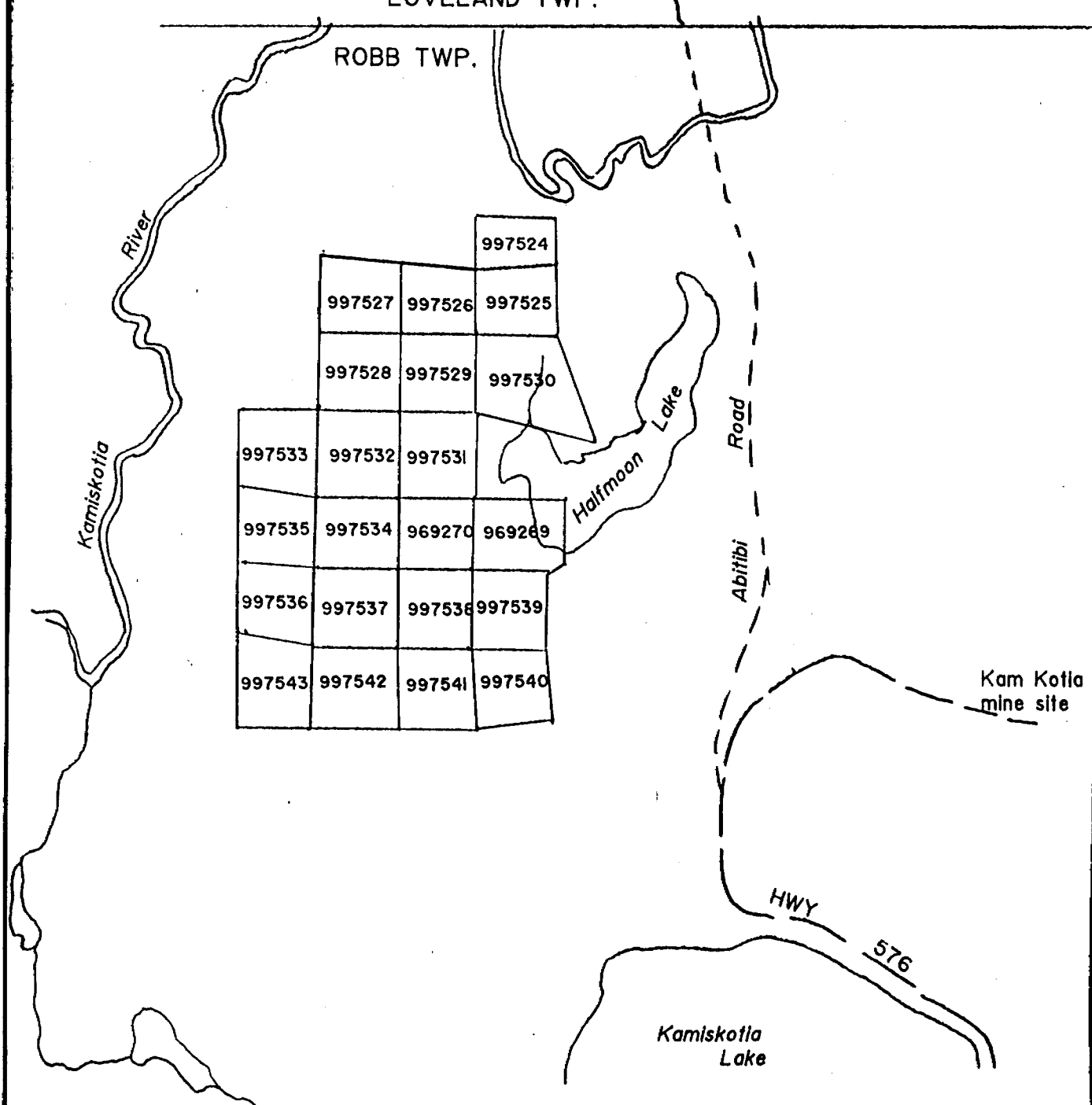
Claim Number

P-997524	P-997535
997525	997536
997526	997537
997527	997538
997528	997539
997529	997540
997530	997541
997531	997542
997532	997543
997533	969269
997534	969270

Total Group consists of 22 Claims.

LOVELAND TWP.

ROBB TWP.



EXSICS EXPLORATION LTD.

P.O. Box 9899, P4M-7X1
Suite 10, Hollinger Bldg, Timmins Ont.
Telephone: 705-267-4331

CLIENT: FALCONBRIDGE LIMITED

PROPERTY: ROBB PROPERTY

TITLE: CLAIM LOCATION MAP

TAKEN FROM MAP: M-309 (MNAM)

Fig 3

Date: MAY 1988

Scale: 1"=1/2 mile

NTS:

Drawn:

Interp:

Job No. EE-129



Geophysical Program

This program consisted of a total field magnetic survey, VLF and Max Min II electromagnetic surveys. All of these surveys were completed over the entire property.

Magnetic Survey Procedure

Magnetic Survey:

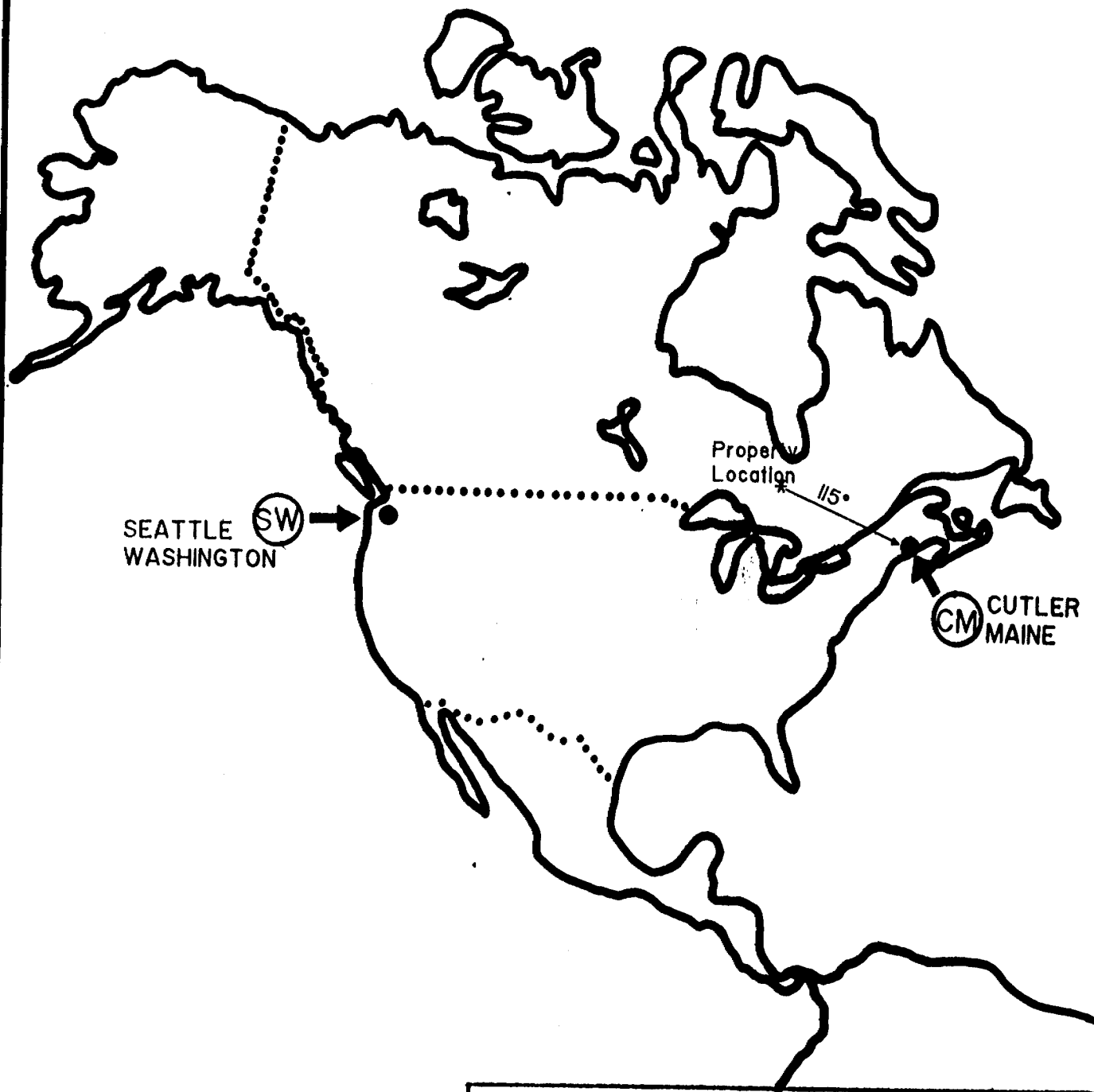
This survey was completed using the EDA Omni IV System and specifications for this unit can be found under Appendix A of this report.


The unit is capable of recording and storing magnetic values accurate to the decimal point, thus greatly improving the accuracy as well as the quality of the collected data.

A base station was established on the survey grid at a fixed point and this unit was tuned to a reference field of 58500 gammas. The field unit was also tuned at the same fixed point and set to the same reference field.

The base station unit was set to record and store readings at 30 second intervals so as to monitor any spiking or change in the earth's diurnal throughout the day.

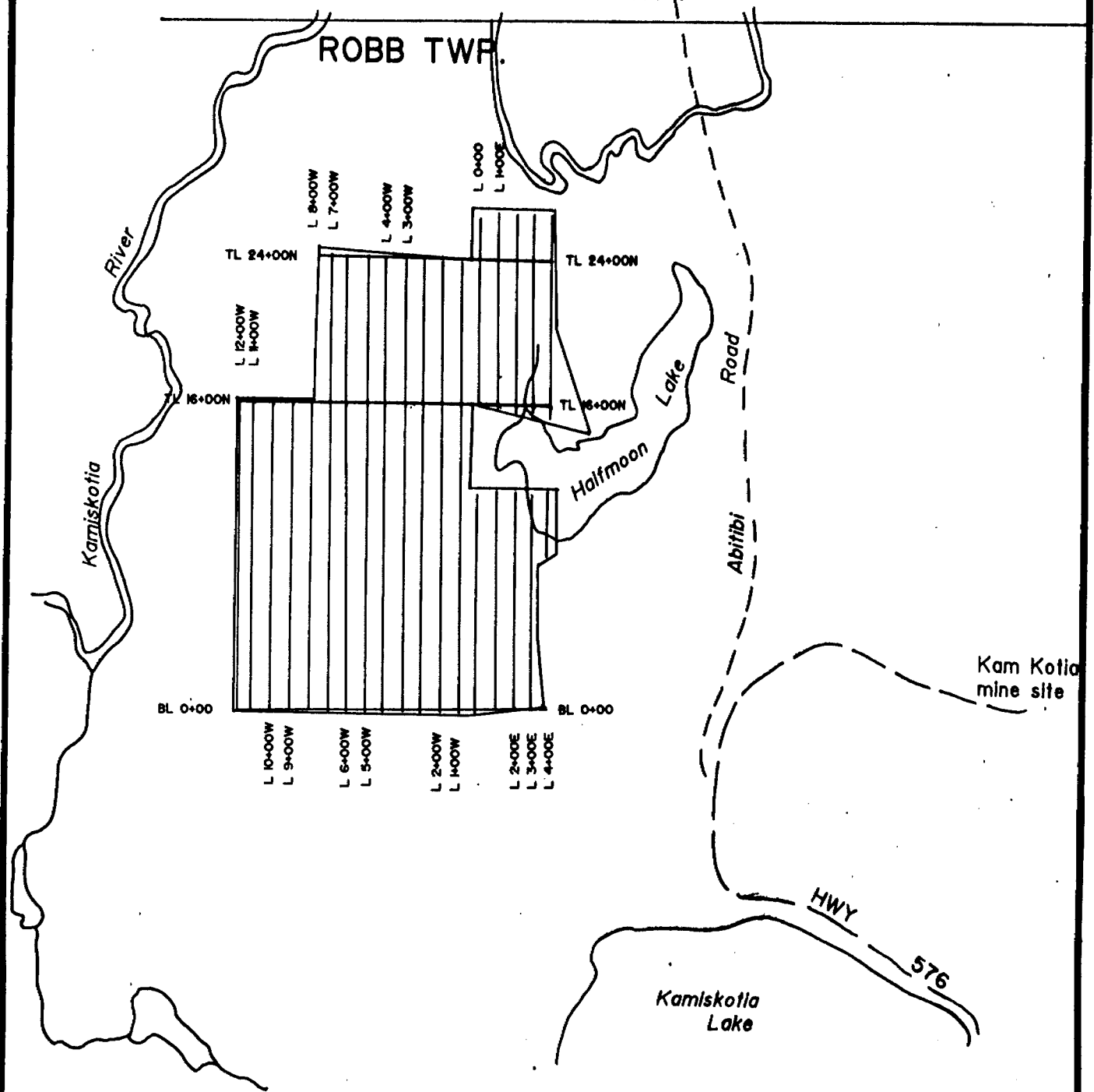
At the end of each survey day, the field unit and base station unit are coupled together and the raw field data is dumped to the base station mag where it is merged. The internal microprocessor then computes the diurnal variation in the earth's magnetic field for each survey grid coordinate by comparing the times at which readings were taken and computing any mid-interval values.



		
EXSICS EXPLORATION LTD. P.O. Box 1000, P4N-7X1 Suite 10, Hollinger Bldg. Timmins Ont. Telephone: 705-267-4151		
CLIENT: FALCONBRIDGE LIMITED		
PROPERTY: ROBB PROPERTY		
TITLE: VLF TRANSMITTER STATIONS LOCATION MAP		
Date: MAY 1988	Scale:	Fig. 6
Drawn:	Interp:	NTS:
		Job No EE-129

LOVELAND TWP.

ROBB TWP.



EXSICS EXPLORATION LTD.

P.O. Box 1000, P4M-7X1
Suite 10, Mullinger Bldg. Timmins Ont.
Telephone: 705-267-4551

CLIENT: FALCONBRIDGE LIMITED

PROPERTY: ROBB PROPERTY

TITLE:
GRID SKETCH MAP

Fig. 4

Date: MAY 1988

Scale: 1"=1/2 mile

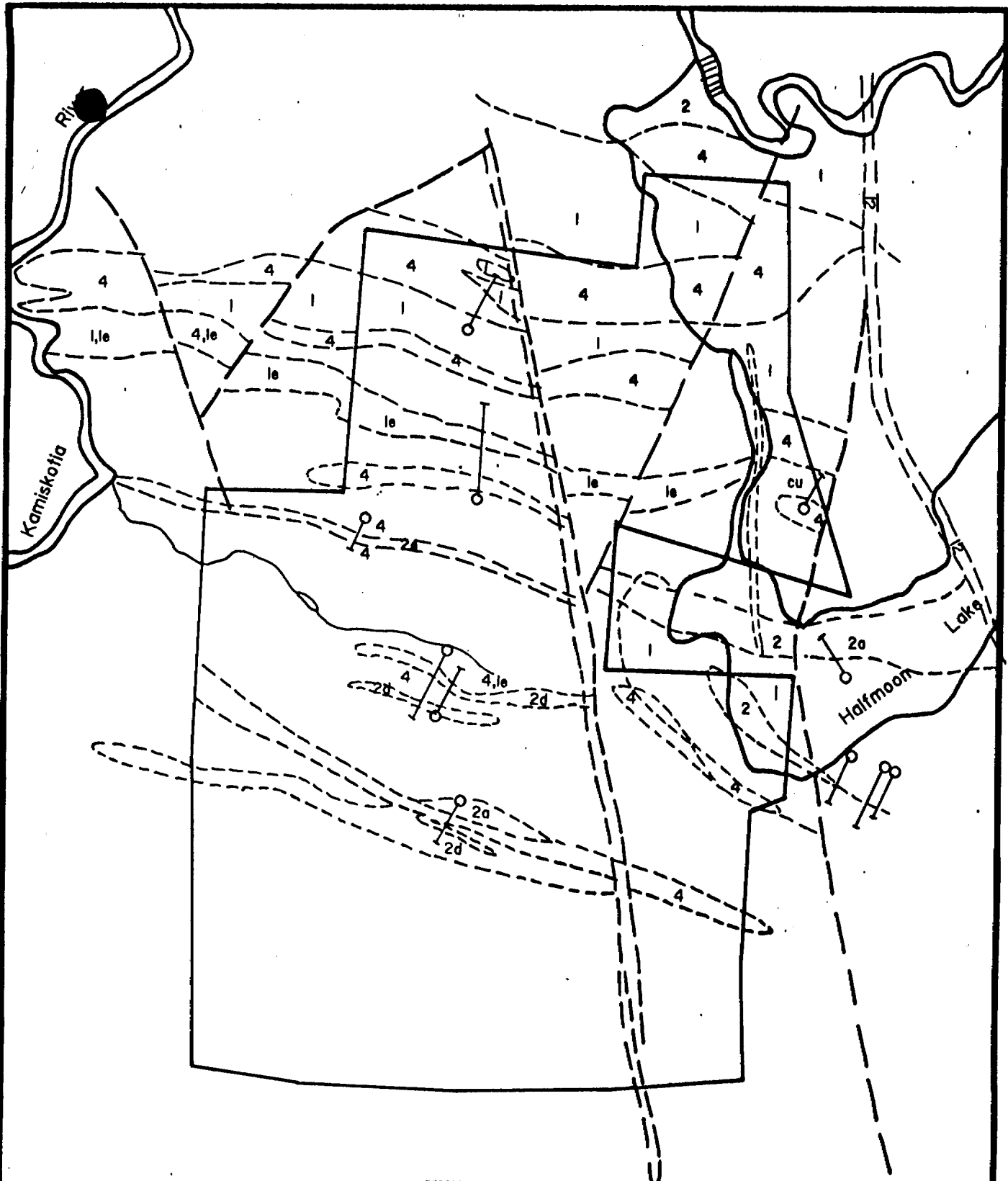
NTS:



Drawn:





Interp:

Job No. EE-129





-  DRILL HOLE
-  FAULT ZONE
- cu COPPER

-  DIABASE
-  MAFIC & ULTRA MAFIC INTRUSIVE ROCKS
-  FELSIC METAVOLCANICS
- 2a MASSIVE & FOLIATED LAVA
- 2d PORPHYRITIC TUFF & WELDED TUFF, CHERT
-  MAFIC TO INTERMEDIATE METAVOLCANICS
- le MAFIC DIKES & SILLS



EXSICS EXPLORATION LTD.
 P.O. Box 1000, P4M-7X1
 Suite 13, Hallinger Bldg. Timmins Ont.
 Telephone: 705-267-4151

CLIENT: FALCONBRIDGE LIMITED

PROPERTY: ROBB PROPERTY

TITLE:
LOCAL GEOLOGY MAP

Taken from: ODM Map P.694

Fig. 5

Date: MAY 1988

Scale: 1"=1/4 mile

NTS:

Drawn:

Interp:

Job No. EE-129

This is most useful in these northern latitudes where more detailed monitoring of the diurnal variations is required.

This correction is done during the data dump of the unit. The retrieved data is the correct data ready for plotting. This plotted data has had a background of 58000 gammas removed for ease in plotting.

Electromagnetic Procedure

VLF Survey

This survey was completed using the EDA Omni Plus System.

Specifications for this unit can be found as Appendix B of this report.

The survey was completed on the entire grid using a transmitter station, Cutler Maine, at a frequency of 24.0 kHz.

A dip angle measurement was recorded at each station on the grid. This data was then plotted direct onto the base maps and profiled. When interpreting this data, a true conductor axis is noted as positive readings to negative readings when traversing south to north.

One should keep in mind, when interpreting this survey, that the VLF unit is an ideal geological tool as it will react favourably to contact zones, faults, and shears as well as outcrop to swamp contacts, creeks, lake shores, and of course anomalous zones.

Horizontal Loop Survey

This survey was completed using the Max Min II System manufactured by Apex Parametrics of Toronto.

Specifications for this system can be found as Appendix C of this report.

This survey is a two-man continuously portable EM System which is designed to measure both the vertical and horizontal in-phase (IP) and quadrature phase (QP) components of the anomalous field from electrically conductive zones.

For this survey, a coil separation between the receiver and transmitter operator was set at 150 meter, which would give a theoretical search depth range of 65-75 meters.

The two frequencies chosen were the 1777 and 444 Hz channels which, in the past, has proven to be quite sufficient in this area.

The data was collected at the mid-point of the operators over the entire grid. One in-phase and quadrature value was recorded at each station.

This data was then directly plotted onto the base maps.

BASE MAPS

The base maps were set-up at a scale of 1:5000 and all of the collected data was put on. For the magnetic data, 58000 gammas has been subtracted from each reading for ease in plotting. The data was then contoured at 100 gamma intervals wherever possible.

The VLF map was profiled at 1 cm to 10% and all conductor axis have been noted.

The Max Min maps were also profiled at 1 cm to 10% and one map was used for each frequency. The plot point is the mid-point between the operators which accounts for the 75 meter blanks at the north and south end of each line.

All of these maps can be found in the back pocket of this report.

Survey Results

The Max Min survey was successful in locating several areas of interest of which two appear to relate to legitimate bedrock conductors.

These two zones show up well on the 444 frequency which is less affected by conductive overburden layering.

The first zone strikes at 080 degrees from lines 700mw to 200mw at 1100 to 1200 mn. This feature lies at a depth of 60 meters with a conductivity value of about 15 mhos. The zone appears to be dipping slightly south to near vertical.

The west section of the zone has no definite magnetic association. The east extension strikes into but not across a strong magnetic high feature. This magnetic feature may relate to an ultramafic intrusive flowing into the metavolcanic host rock.

On examination of ODM preliminary map P.694, Geological series, Robb Township scale 1 to 1/4 mile, two drill holes appear to have tested this zone however, a more positive location of the holes are needed before eliminating the feature.

The second EM target closely parallels the first zone and is located across lines 600 mw to 300 mw at 700 to 800 mn. This zone lies at a depth of 30 meters with a conductivity of 2-3 mhos.

The magnetics show some weak low association which is somewhat spotty and irregular.

This feature may also have been tested by a drill hole, see map P.694 for location.

The magnetic structure showing up across lines 800 mw to 200 mw at 2200 to 2400 mn may in fact relate to ultramafics and intermediate metavolcanic flows.

Another area of interest may be the magnetic activity across lines 400 mw to 400 me at 450 mn to 0. This area again may relate to ultramafic to felsic intrusives.

The VLF survey most probably is indicative of a complicated buried structure of flow and intrusive type material.

The interpreted fault structure, Map P-694, may run through lines 700 mn to 0+00 in a north-northwest direction.

Conclusions

The surveys did prove to be successful in outlining two moderate to good EM zones on the grid. These zones may have been tested but closer inspection of the zones and hole locations would be necessary before drawing any definite conclusions.

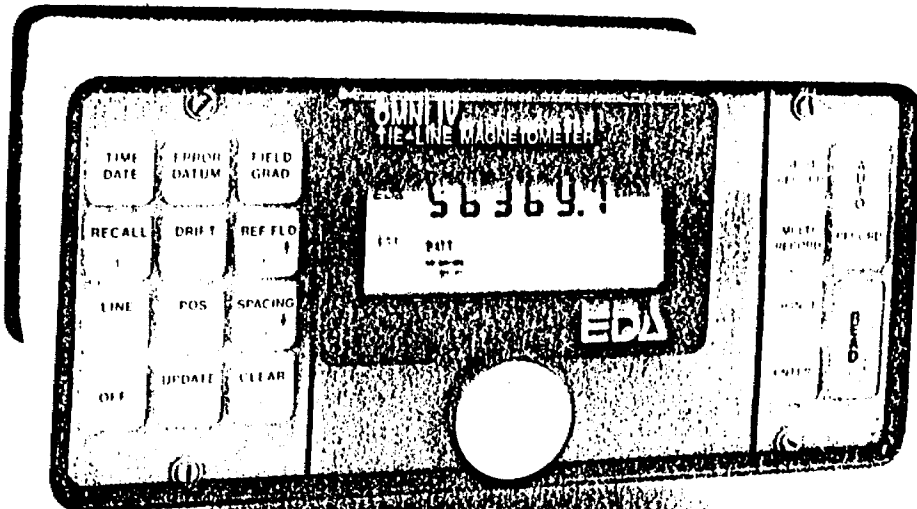
Recommendations

A geological survey may add a more definite interpretation of the zones. Also, this mapping may locate the actual position of the old drilling.

The only additional recommendation would be further drilling to define the targets.

APPENDIX A

OMNI IV "Tie-Line" Magnetometer



OMNI IV's Major Benefits

- Four Magnetometers In One
- Self Correcting for Diurnal Variations
- Reduced Instrumentation Requirements
- 25% Weight Reduction
- User Friendly Keypad Operation
- Universal Computer Interface
- Comprehensive Software Packages



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	1,200 data blocks or sets of readings
Total Field or Gradient	100 data blocks or sets of readings
Tie-Line Points	5,000 data blocks or sets of readings
Base Station	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.
Display	2400 baud, 8 data bits, 2 stop bits, no parity
RS 232 Serial I/O Interface	6,000 gammas per meter (field proven)
Gradient Tolerance	A. Diagnostic testing (data and programmable memory) B. Self Test (hardware)
Test Mode	Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy.
Sensor	0.5 meter sensor separation (standard), normalized to gammas/meter. Optional 1.0 meter sensor separation available. Horizontal sensors optional.
Gradient Sensors	Remains flexible in temperature range specified, includes strain-relief connector
Sensor Cable	Programmable from 5 seconds up to 60 minutes in 1 second increments
Cycling Time (Base Station Mode)	-40°C to +55°C; 0-100% relative humidity; weatherproof
Operating Environmental Range	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.
Power Supply	2,000 to 5,000 readings, for sealed lead acid power supply, depending upon ambient temperature and rate of readings
Battery Cartridge/Belt Life	
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 Toronto
(416) 425 7800

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

Printed in Canada

APPENDIX B

OMNI PLUS VLF Magnetometer System



Major Benefits of the OMNI PLUS

- Combined VLF/Magnetometer/Gradiometer System
- No Orientation Required
- Three VLF Magnetic Parameters Recorded
- Automatic Calculation of Fraser Filter
- Calculation of Ellipticity
- Automatic Correction of Primary Field Variations
- Measurement of VLF Electric Field



Specifications*

Frequency Tuning Range	15 to 30 kHz, with bandwidth of 150 Hz; tuning range accommodates new Puerto Rico station at 28.5 kHz
Transmitting Stations Measured	Up to 3 stations can be automatically measured at any given grid location within frequency tuning range
Recorded VLF Magnetic Parameters	Total field strength, total dip, vertical quadrature (or alternately, horizontal amplitude)
Standard Memory Capacity	800 combined VLF magnetic and VLF electric measurements as well as gradiometer and magnetometer readings
Display	Custom designed, ruggedized liquid crystal display with built-in heater and an operating temperature range from -40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal strength status monitor and function descriptors.
RS232C Serial I/O Interface	2400 baud rate, 8 data bits, 2 stop bits, no parity
Test Mode	A. Diagnostic Testing (data and programmable memory) B. Self Test (hardware)
Sensor Head	Contains 3 orthogonally mounted coils with automatic tilt compensation
Operating Environmental Range	-40°C to +55°C; 0 - 100% relative humidity; Weatherproof
Power Supply	Non-magnetic rechargeable sealed lead-acid 18V DC battery cartridge or belt; 18V DC disposable battery belt; 12V DC external power source for base station operation only.
Weights and Dimensions	
Instrument Console	2.8 kg, 128 x 150 x 250 mm
Sensor Head	2.1 kg, 130 dia. x 130 mm
VLF Electronics Module	1.1 kg, 40 x 150 x 250 mm
Lead Acid Battery Cartridge	1.8 kg, 235 x 105 x 90 mm
Lead Acid Battery Belt	1.8 kg, 540 x 100 x 40 mm
Disposable Battery Belt	1.2 kg, 540 x 100 x 40 mm

Preliminary

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

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

Printed In Canada

APPENDIX C

APEX

MAXMIN II PORTABLE EM

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

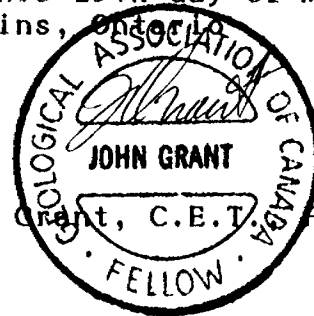


CERTIFICATE OF QUALIFICATIONS

I, John Charles Grant do hereby certify:

1. that I am a geophysicist and reside at Lot 2 Martineau Avenue, Kamiskotia Lake, Timmins, Ontario.
2. that I am a Fellow of the Geological Association of Canada.
3. that I am a member of the Certified Engineering Technologist Association.
4. that I graduated from Cambrian College of Applied Arts and Technology, Sudbury Campus in 1975 with an Honour's diploma in Geology Technology.
5. that I have practised my profession continuously for 12 years.
6. that my report on FALCONBRIDGE LIMITED, on the Robb Township property, Procupine Mining Division, is based on work carried out under my supervision.
4. I hold no specific or special interest in the described property. I have been retained as a Consulting Geophysicist for "the property".

Dated this 25th day of May 1988
at Timmins, Ontario.



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



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

Type of Survey(s) MAXMIN, MAGNETICS, VLF-EM.
Township or Area ROBB TOWNSHIP
Claim Holder(s) FAIRCOURT LTD.
571 MONETA, TIMMINS, ONT.
Survey Company EXSICS EXP. LTD.
Author of Report JOHN C. GRANT
Address of Author BOX 1880, TIMMINS, ONT.
Covering Dates of Survey 16/02/88 to 18/5/88.
Total Miles of Line Cut 48.8 Km.

MINING CLAIMS TRAVERSED
List numerically

- List of mining claim numbers: 997524, 997525, 997526, 997527, 997528, 997529, 997530, 997531, 997532, 997533, 997534, 997535, 997536, 997537, 997538, 997539, 997540, 541, 542, 543, 969270, 969269

If space insufficient, attach list

SPECIAL PROVISIONS
CREDITS REQUESTED

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

ENTER 20 days for each additional survey using same grid.

Table with columns: Geophysical, Geological, Geochemical, DAYS per claim. Values: Electromagnetic 40, Magnetometer 40.

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

Magnetometer Electromagnetic Radiometric (enter days per claim)

DATE: May 18/88 SIGNATURE: [Signature] Author of Report or Agent

Res. Geol. Qualifications 2.5341

Previous Surveys

Table with columns: File No., Type, Date, Claim Holder

TOTAL CLAIMS 72

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 2440 Number of Readings 9740
Station interval 20 METERS Line spacing 100 METERS
Profile scale 1cm to 10%
Contour interval 100 GAMMA

MAGNETIC

Instrument EDA OMNI 10
Accuracy - Scale constant +/- .5 GAMMA
Diurnal correction method BASE STATION RECORDER
Base Station check-in interval (hours) 30 SEC READINGS DURING DAY
Base Station location and value

ELECTROMAGNETIC

Instrument APEX MAX MIN II SYSTEM
Coil configuration COPLANER COILS
Coil separation 150 METER
Accuracy +/- 1%
Method: [] Fixed transmitter [] Shoot back [x] In line [] Parallel line
Frequency 1777 HZ, 444 HZ (specify V.L.F. station)
Parameters measured 1 IN PHASE, 1 OUT OF PHASE

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument
Method [] Time Domain [] Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth - include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey VLF-EM

Instrument EAR OMNI PLUS

Accuracy ± 15%

Parameters measured DIP ANGLE OF RESULTANT FIELD.

Additional information (for understanding results) FREQUENCY WAS 27.2 KHz
CUTLER MAINE, FIXED TX LOCATION.

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____
(specify for each type of survey)

Accuracy _____
(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken _____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

Values expressed in: per cent
p. p. m.
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, -(circle)

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____



DOCUMENT No. W 8806-118

Instructions: - Please type or print. - If number of mining claims traversed exceeds space on this form, attach a list. Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns. - Do not use shaded areas below.

2.11273

Mining Act

Form header with fields: Type of Survey(s) MAXMIN, MAGNETIC, VLF SURVEYS; Township or Area ROBB TWP; Claim Holder(s) FALCONBRIDGE LIMITED; Prospector's Licence No. A-21647; Address 571 MONETA, TIMMINS, ONT.; Survey Company EXSICS EXP. LTD.; Date of Survey (from & to) 16 2 88 3 3 88; Total Miles of line Cut 48.8 Km; Name and Address of Author (of Geo-Technical report) JOHN C GRANT, BOX 1880, TIMMINS, ONT.

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Table with 3 columns: Special Provisions, Geophysical, Days per Claim. Rows include: For first survey: Enter 40 days (This includes line cutting); For each additional survey: using the same grid: Enter 20 days (for each); Man Days: Complete reverse side and enter total(s) here; Airborne Credits: Note: Special provisions credits do not apply to Airborne Surveys.

Table with 3 columns: Mining Claim Prefix, Mining Claim Number, Expend. Days Cr. Lists claims 997524 through 997543. Includes stamps: RECEIVED MAY 24 1988 MINING LANDS SECTION, RECEIVED APR 15 1988, RECEIVED APR 15 1988, RECEIVED APR 15 1988.

MINING GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE JUN 8 1988 RECEIVED

Expenditures (by type of survey) section with a RECEIVED stamp dated APR 15 1988.

Calculation of Expenditure Days Credits: Total Expenditures \$ + 15 = Total Days Credits

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits for each category in columns at right.

Date April 15/88, Recorded by JOHN GRANT

For Office Use Only: Total Days Cr. Recorded 1760, Date Recorded April 15/88, Mining Recorder [Signature], Date Approved as Recorded [Signature]

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying JOHN C GRANT, BOX 1880, TIMMINS, ONT. P4W-2X1; Date Certified April 5/88; Certified by [Signature]

LOVELAND TP. M.293

THE TOWNSHIP OF ROBB

ROBB

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

REGISTERED PLAN OF SUBDIVISION	(---)
PATENTED LAND	(P)
CROWN LAND SALE	(C.S.)
LEASES	(L)
LOCATED LAND	(Loc.)
LICENSE OF OCCUPATION	(L.O.)
MINING RIGHTS ONLY	(M.R.O.)
SURFACE RIGHTS ONLY	(S.R.O.)
ROADS	(---)
IMPROVED ROADS	(---)
KING'S HIGHWAYS	(---)
RAILWAYS	(---)
POWER LINES	(---)
MARSH OR MUSKEG	(---)
MINES	(---)
CANCELLED	(---)
PATENTED for S.R.O.	(---)

NOTES

400' Surface Rights Reservation along the shores of all lakes and rivers.

Areas with own born staking under Section 42 of the Mining Act, R.S.O. 1980, shall be shown as follows:

File	Date	Disposition

This township lies within the Municipality of CITY of TIMMINS.

RESERVATIONS:
(1) ---

R1 - S.R.O. REOPENED FOR STAKING

PLANNED REFORESTATION APR. 14/82

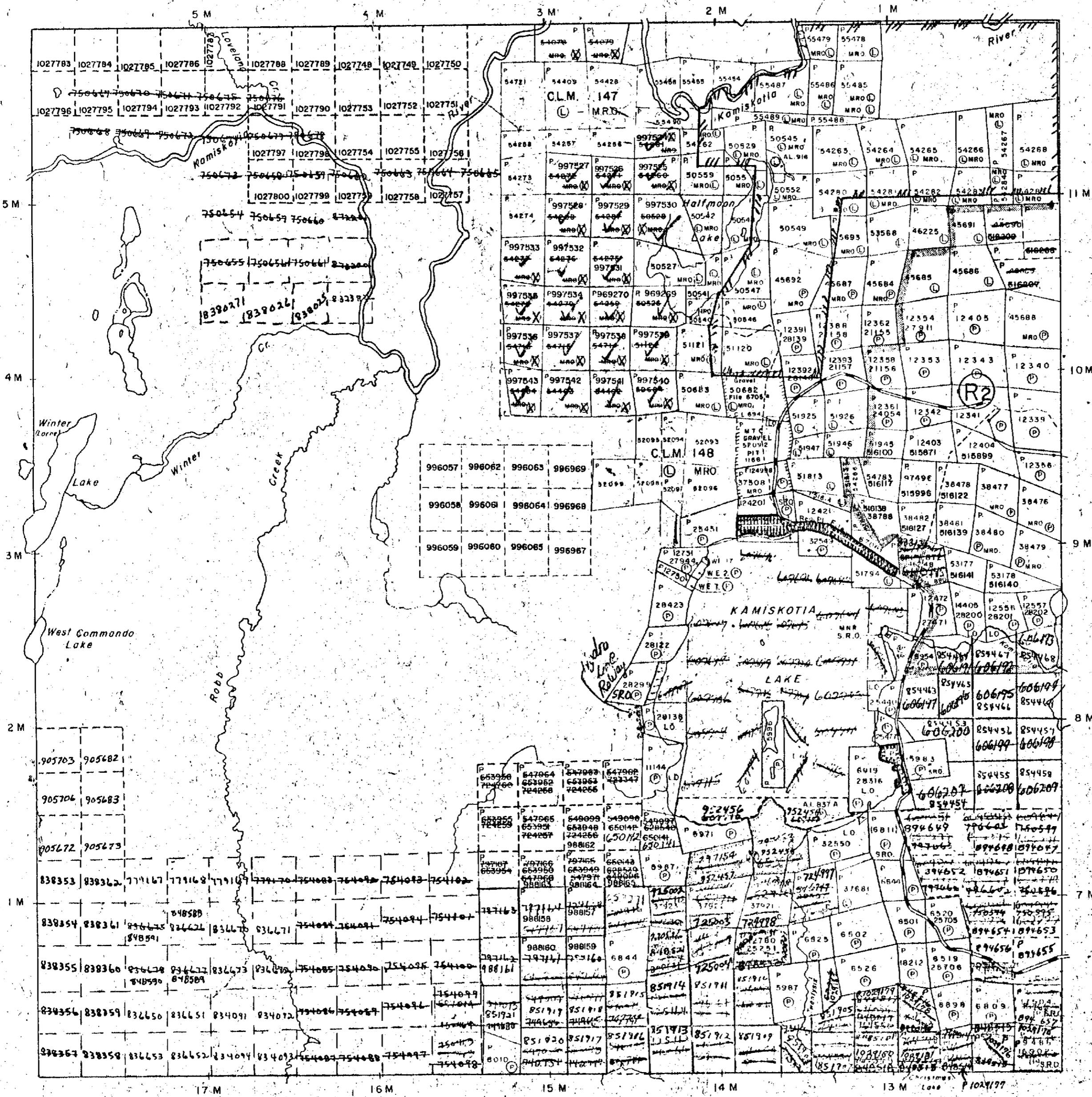
(R2) ORDER OF THE MINISTER WITHDRAWS MINING AND SURFACE RIGHTS UNDER SECTION 42 OF THE Mining Act, RSO 1980 ORDER NO. W 27/87 NR March 14/87
Oct 4/89 Received

PLAN NO. M.309

MINISTRY OF NATURAL RESOURCES
SURVEY AND MAPPING BRANCH

COTE TP. M.271

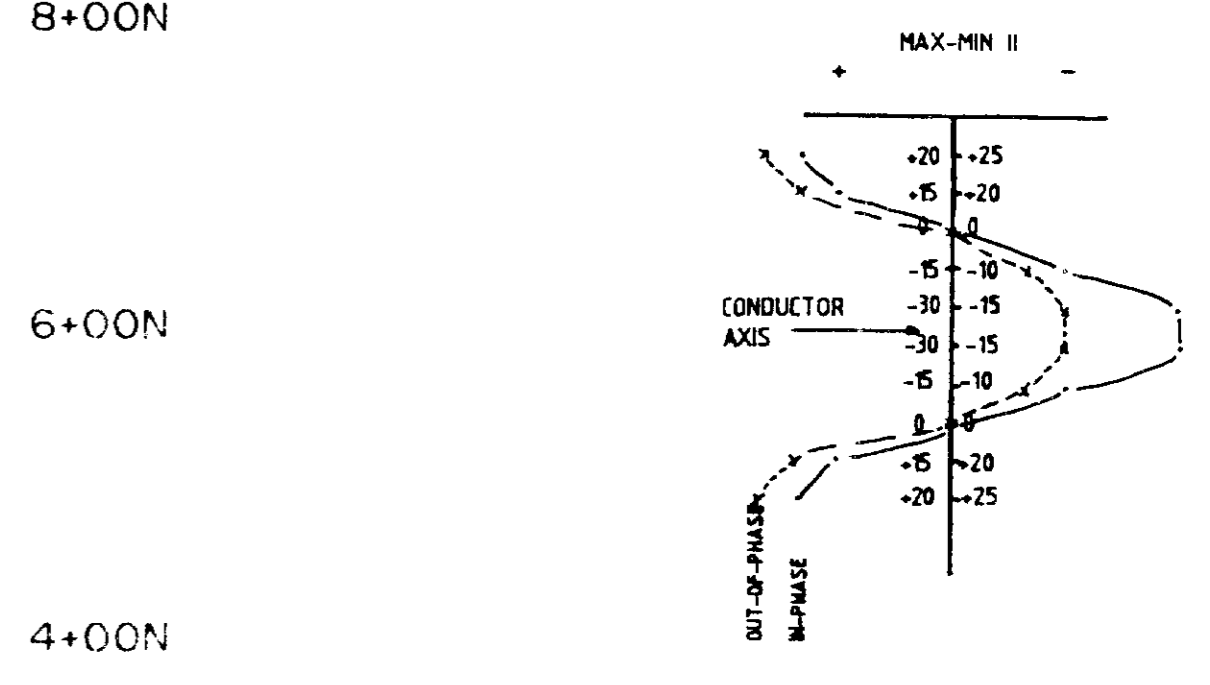
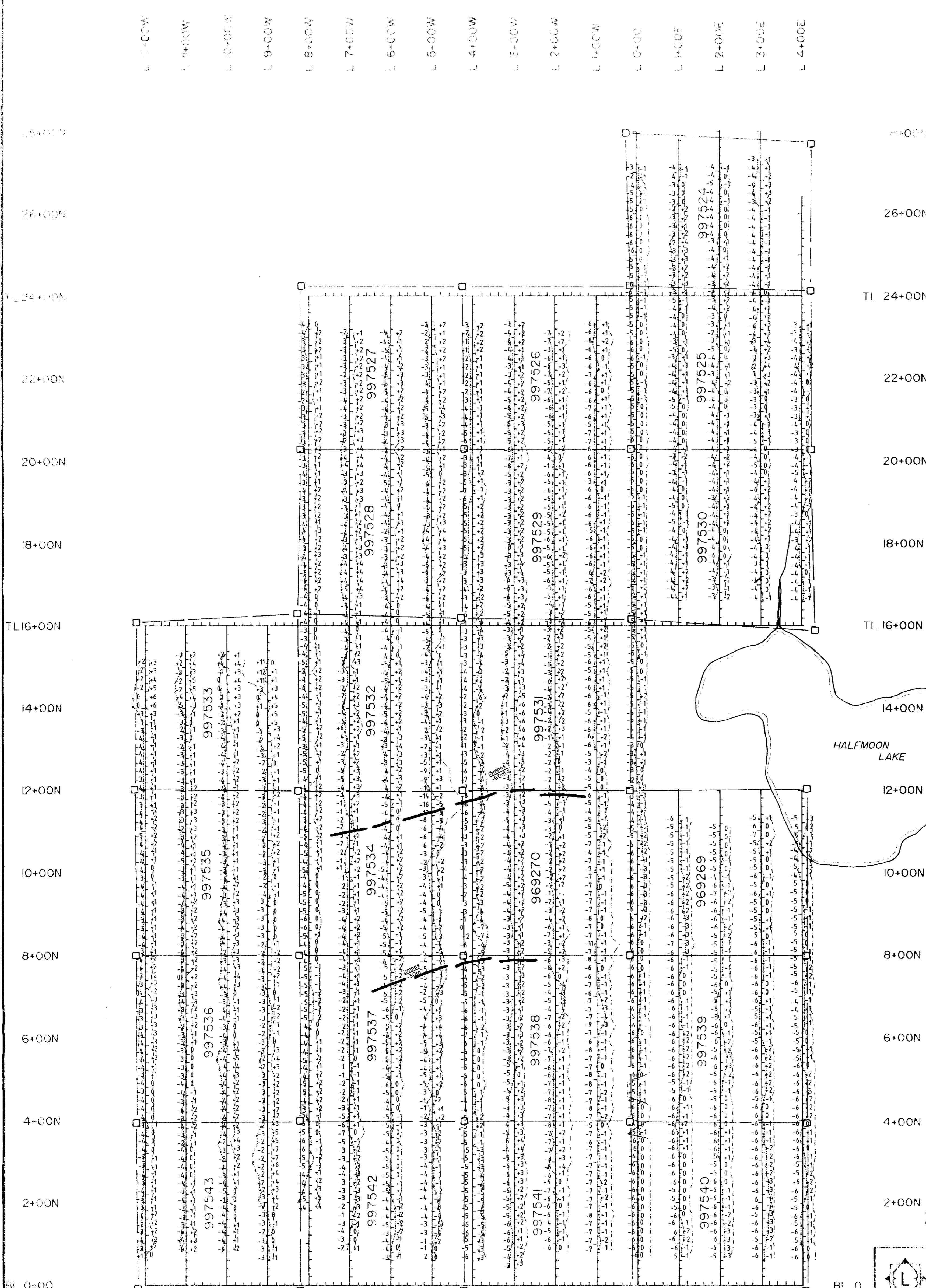
JAMIESON TP. M.288



TURNBULL TP. M.316



42A12SE0232 2.11273 ROBB



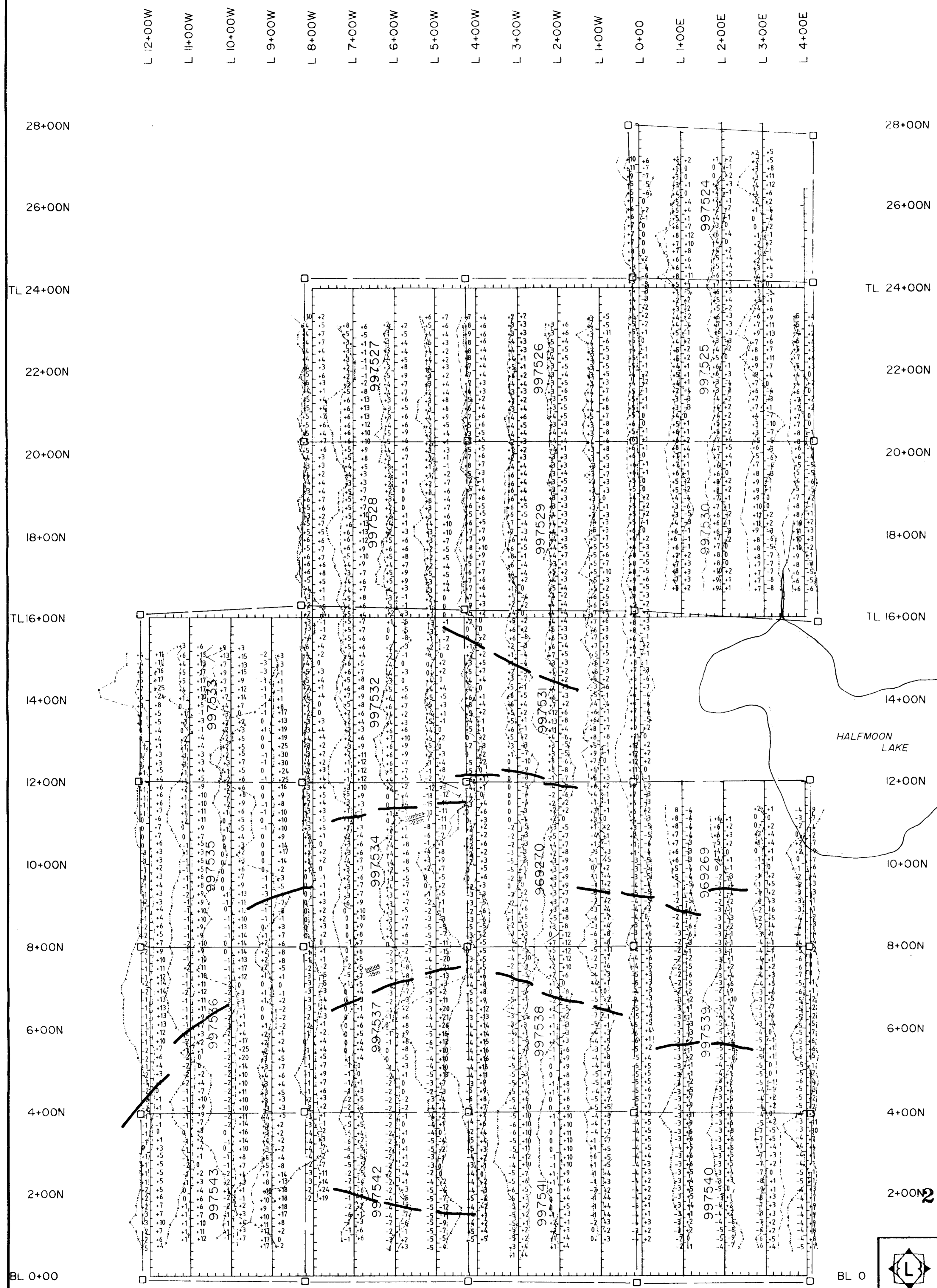
LEGEND
 INSTRUMENT: Apex Parametrics Max-Min 11
 MODE: Maximum Coupled, Horizontal Loop Survey
 PARAMETERS MEASURED: Iphase (%), Out of phase (%)
 FREQUENCY: 444 Hz
 COIL SEPARATION: 150 m
 OPERATOR: EXSIS EXPLORATION
 PROFILE SCALE: 1cm=10%

2.11273

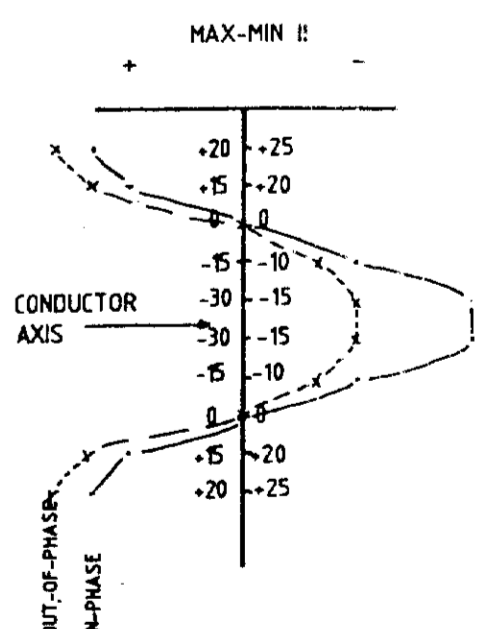
EXSIS EXPLORATION LTD.
 P.O. Box 1889, P.M. 721
 Suite B, Hallsboro, Ont., Canada
 Telephone: 705/271-4311

CLIENT: FALCONBRIDGE LIMITED
 PROPERTY: ROBEY TOWNSHIP PROPERTY
 TITLE: MAX-MIN II 444 HZ

Date: March 1988
 Scale: 1:5000
 Drawn by: [Signature]
 Checked by: [Signature]




HALFMOON LAKE

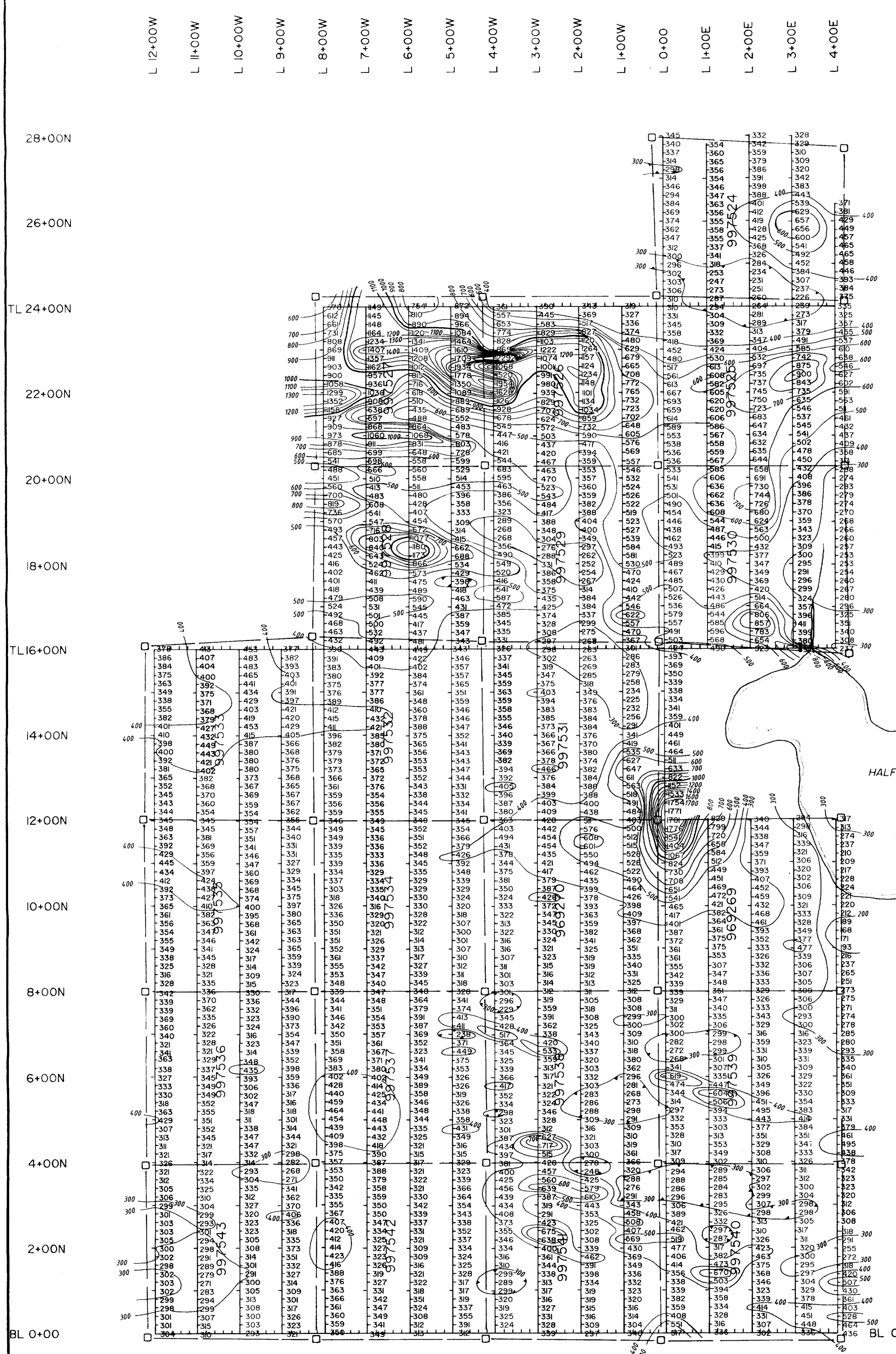


LEGEND
 INSTRUMENT: Apex Parametrics Max-Min II
 MODE: Maximum Coupled, Horizontal Loop Survey
 PARAMETERS MEASURED: Inphase (%), Out of phase (%)
 FREQUENCY: 1777 Hz
 COIL SEPARATION: 150 m
 OPERATOR: EXSICS EXPLORATION
 PROFILE SCALE: 1cm=10%

2+00N **2.11273**

 EXSICS EXPLORATION LTD. P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 705-267-4151		
CLIENT: FALCONBRIDGE LIMITED		
PROPERTY: ROBB TOWNSHIP PROPERTY		
TITLE: MAX-MIN II 1777		
Date: March 1988	Scale: 1:5000	NIS:
Drawn: P.G.	Interp:	Job No EE-129





2.11273

LEGEND
 Instrument: EDA OMNI-IV
 Parameters Measured: Earth's total magnetic field
 Accuracy: +/- 1 nano-teslas
 Diurnal: Corrected by base station recorder
 Contour Interval:
 Reference Field:
 Datum Subtracted:

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

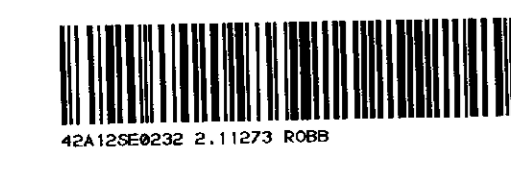
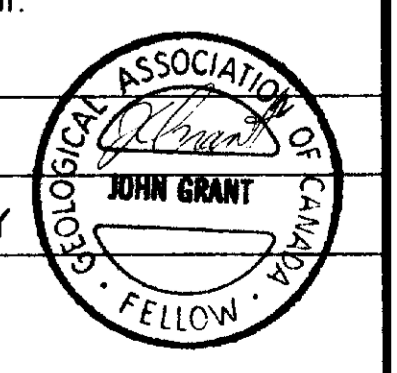
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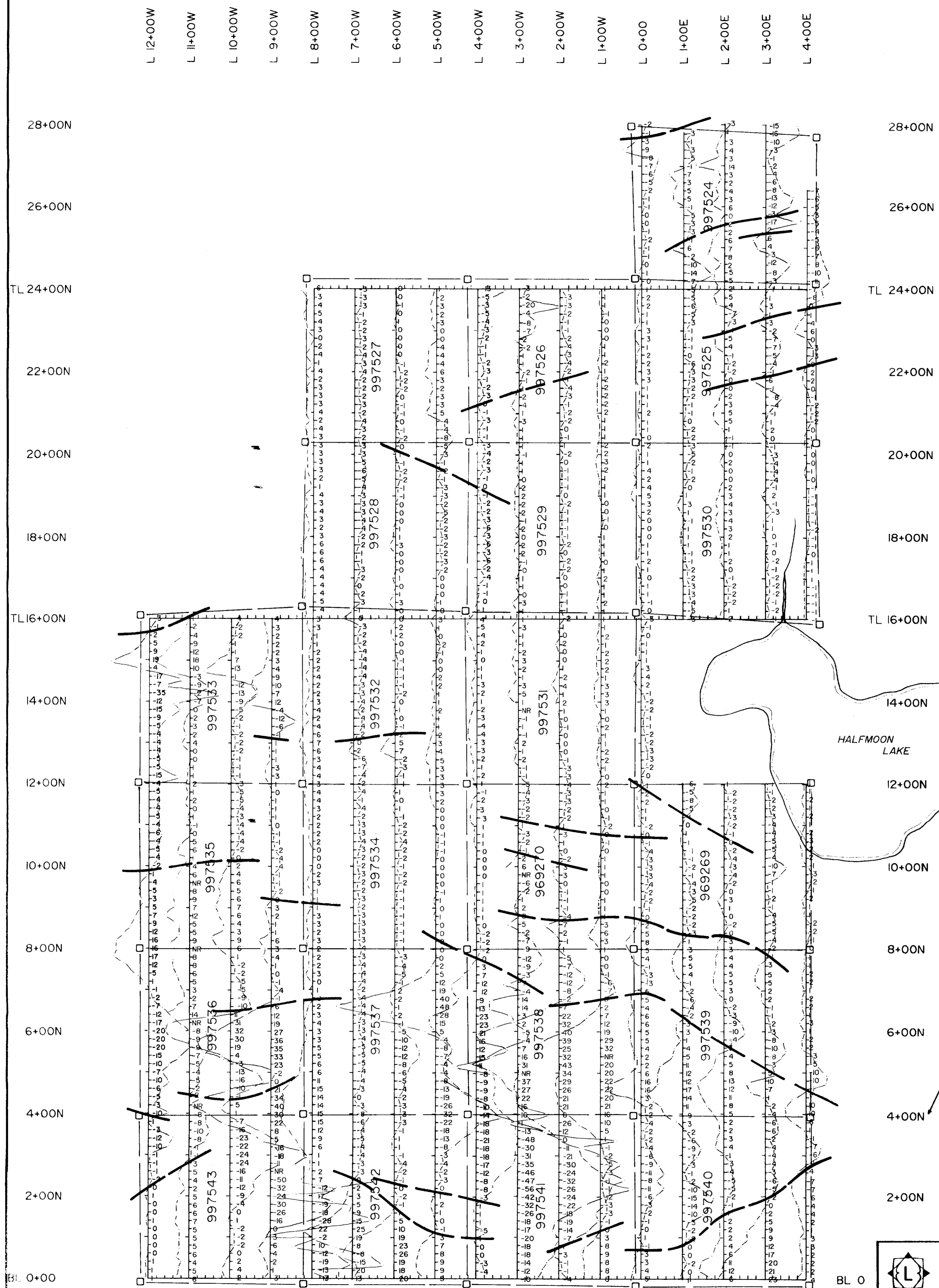
PROPERTY: ROBB TOWNSHIP PROPERTY

TITLE: **CONTOURED
MAGNETOMETER SURVEY**

Date: March 1988 Scale: 1:5000 NTS:

Drawn: P.G. Interp: Job No. EE-129





0+00
2+00
4+00
6+00
8+00
10+00
12+00
14+00
16+00
18+00
20+00
22+00
24+00
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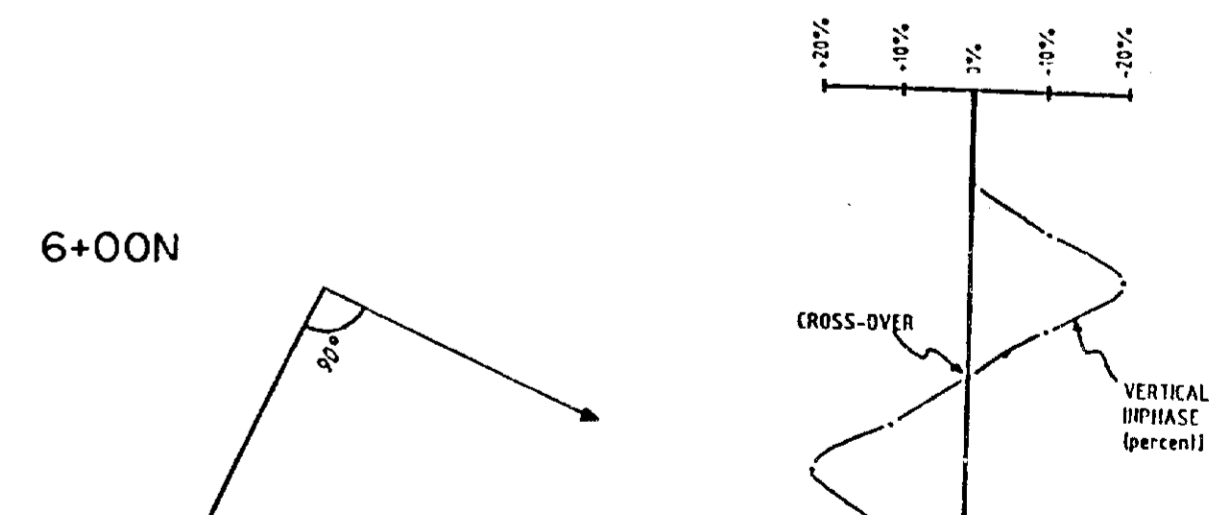
+00W
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+00W
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00W



240

28+00N
26+00N
TL 24+00N
22+00N
20+00N
18+00N
TL 16+00N
14+00N
12+00N
10+00N
8+00N
6+00N
4+00N
2+00N
BL 0

HALFMOON LAKE



2.11273

LEGEND

INSTRUMENT: OMNI PLUS
TRANSMITTER STATION: CUTLER MAINE
FREQUENCY: 24.0
PARAMETRES MEASURED: kphase Dip Angle
OPERATOR: EXSICS EXPLORATION
VERTICAL SCALE: 1cm=10%

EXSICS EXPLORATION LTD. P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 705-267-4151		
CLIENT: FALCONBRIDGE LIMITED PROPERTY: ROBB TOWNSHIP PROPERTY		
TITLE: VLF DIP ANGLE		
Date: March 1988	Scale: 1:5000	NTS:
Drawn: P.G.	Interp:	Job No. EE-129