

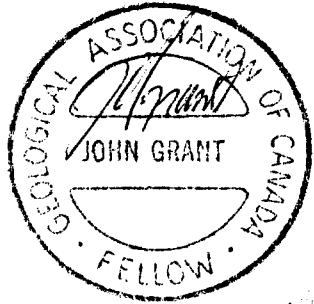


42B13NE2002 2.20567 BYNG

010

GEOPHYSICAL REPORT
FOR
BYNG PROPERTIES INC.
ON THE
BYNG PROPERTY / BYNG TOWNSHIP
PORCUPINE MINING DIVISION
NORTHEASTERN, ONTARIO

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Prepared by: J.C. Grant, CET, FGAC
September, 2000.

TABLE OF CONTENTS

	PAGE
INTRODUCTION.....	1
PROPERTY LOCATION AND ACCESS.....	1
CLAIM BLOCK.....	1
PERSONNEL.....	2
GROUND PROGRAM.....	2
MAGNETIC SURVEY.....	2,3
HLEM SURVEY.....	3
SURVEY RESULTS.....	3,4,5
CONCLUSIONS AND RECOMMENDATION.....	5,6
CERTIFICATE	
APPENDICES:	
A: SCINTREX, ENVI MAG SYSTEM	
B: APEX PARAMETRICS, MAXMIN IFSYSTEM	
LIST OF FIGURES:	
1. LOCATION MAP	
2. PROPERTY LOCATION MAP	
3. CLAIM MAP	
POCKET MAPS:	
CONTOURED TOTAL FIELD MAGNETIC SURVEY	
PROFILED HLEM, 1777HZ MAP	
PROFILED HLEM, 444 HZ MAP	

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INTRODUCTION:

The services of Exsics Exploration Limited were retained by Mr. G. Lecours on behalf of the company, Byng Properties Inc., to complete a detailed line cutting and ground geophysical program across their claim blocks located in the southwest section of Byng Township.

The purpose of this ground program was to locate and outline a geological horizon which would be considered a favorable target for base metal deposition. The program commence on the 2nd of July with the line cutting and the second phase was completed on the 11th of September with the completion of the magnetic and HLEM survey. In all, a total of 69.5 kilometers of grid lines were cut and surveyed across the claim block.

PROPERTY LOCATION AND ACCESS:

The Byng Property is situated in the central southwest section of Byng Township which is part of the Porcupine Mining Division , Northeastern, Ontario. Figure 1. More specifically the block is situated north of Byng Creek and about 6 kilometers west of Brunswick Lake. A small pond is situated in the central section of the claim group. The entire claim block is situated approximately 120 kilometers south of the Town of Hearst. Figures 1 and 2.

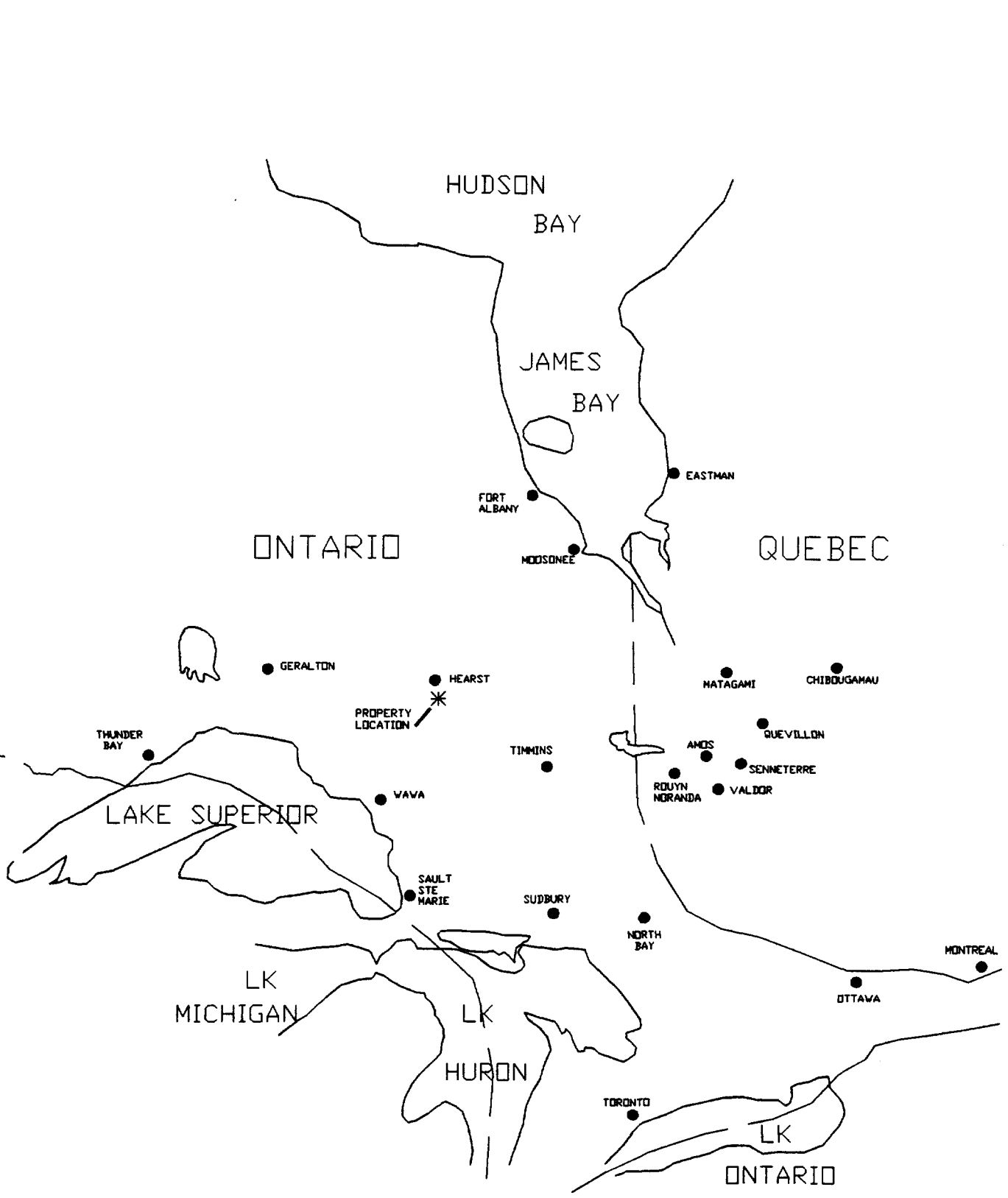
Access to the property during the survey period is ideal. There is a series of good gravel roads that travel south from the Town of Hearst and provide good access to a number of Township to the south of which Byng is one. These gravel roads are being maintained by logging operations which are currently active in and around Byng Township and one of these ingress roads provides access to the landing on Brunswick Lake which is about 6 kilometers southeast of the grids east boundary. This particular gravel road crosses the cut grid in an east-west to southeast-northwest direction and provides excellent access to most of the cut survey lines. Traveling time from Hearst to the property is about 1.5 hours. Figure 2.

CLAIM BLOCK:

The claim numbers that make up the Byng Property are as follows.

- P-1241373.....10 units
- P-1241386.....10 units
- P-1230140.....15 units.

Refer to Figure 3, copied from MNDM Plan Map, G-2294, Byng Township for the location of the claims within the block.

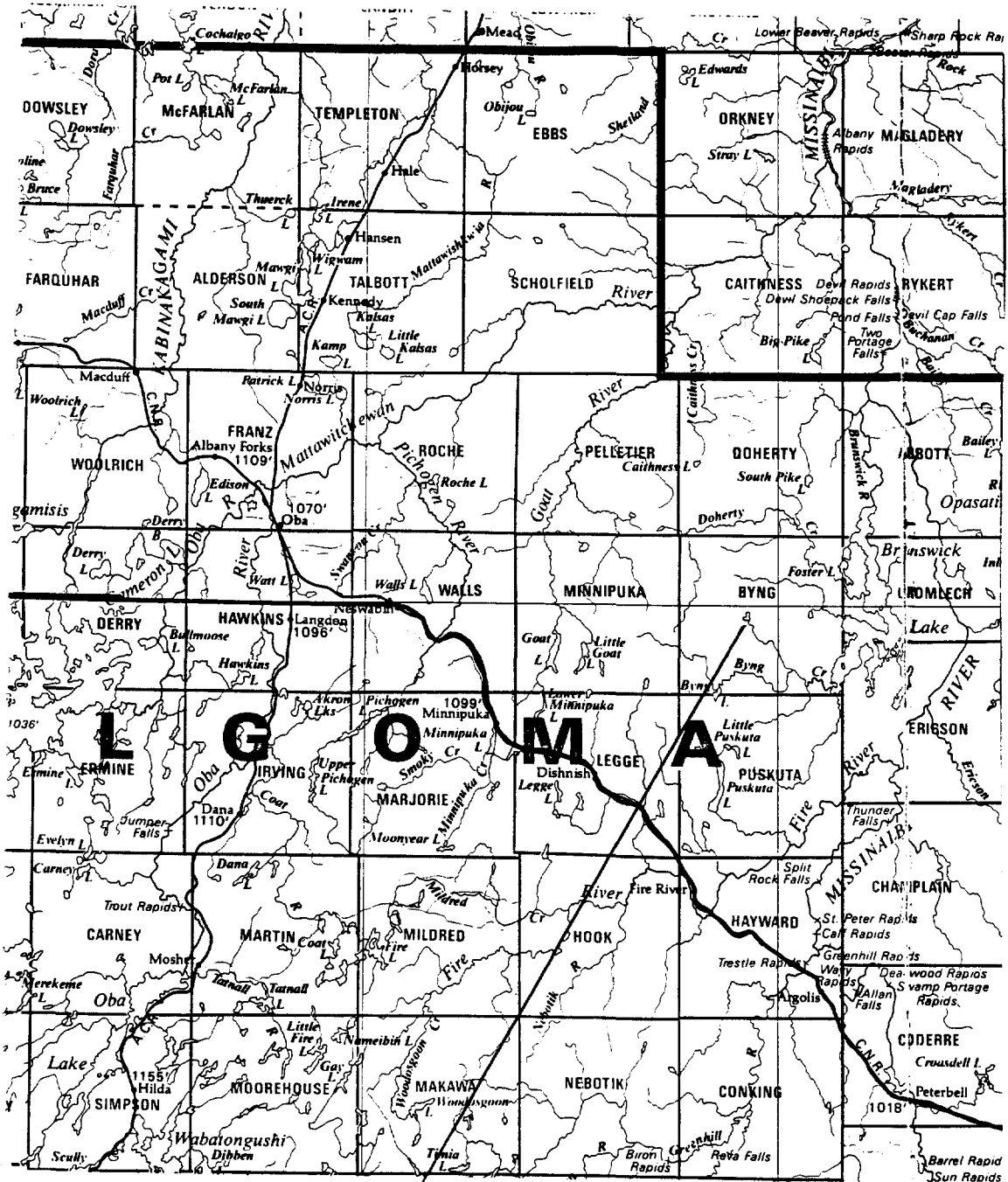


EXSICS EXPLORATION LTD.
 P.O. Box 1880, P4N-7X1
 Suite 13, Hollinger Bldg, Timmins Ont.
 Telephone: 705-267-4151, 267-2424

CLIENT: BYNG PROPERTIES INC.
PROPERTY: BYNG TOWNSHIP PROPERTY
TITLE: BYNG TOWNSHIP
LOCATION MAP

Fig. 1

Date: SEPT., 2000 | Scale: 1" = 125 miles | NTS:
 Drawn: J.C. GRANT | Interp: J.C. Grant | Job No.: E-385




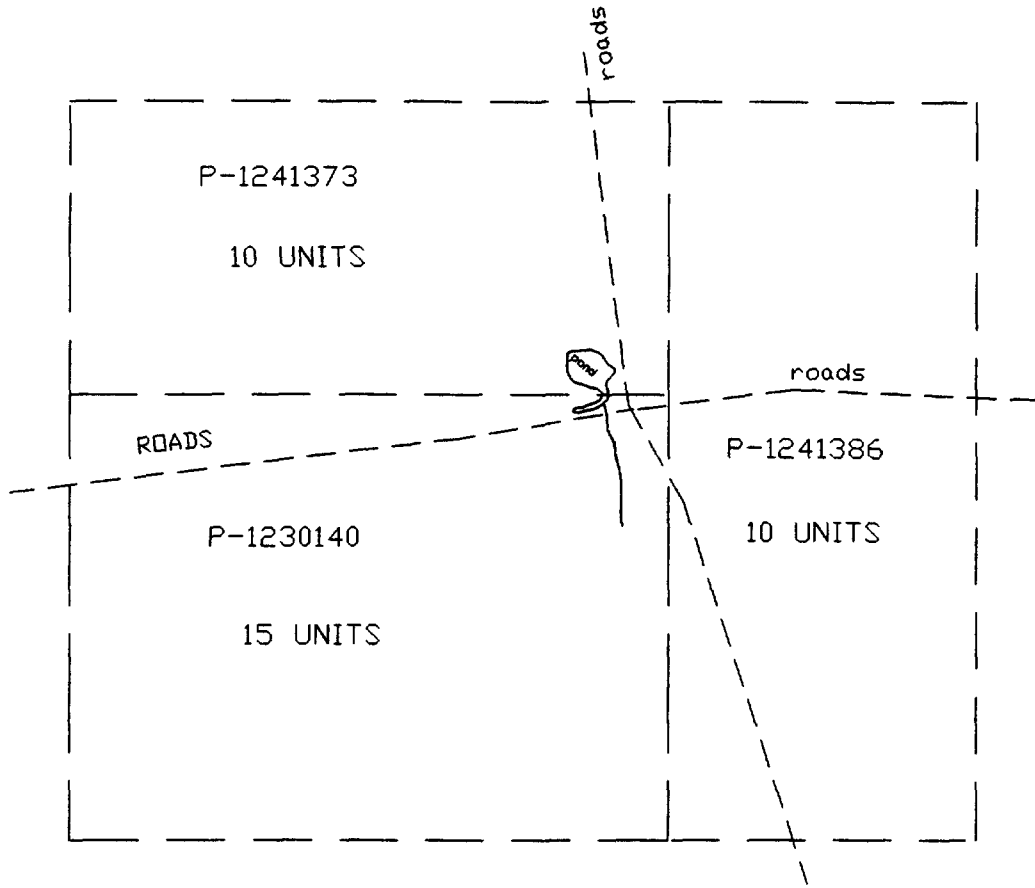

 EXSICS EXPLORATION LTD. P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 705-267-4151, 267-2424		
CLIENT: BYNG PROPERTIES INC.		
PROPERTY: BYNG TWP. PROPERTY		
TITLE: BYNG TOWNSHIP		
CLAIM SKETCH		
Date: AUG., 2000	Scale: 1:20,000	NTS:
Drawn: J.C. Grant	Interp: J.C. Grant	Job No.: E-385

Fig. 2



 EXSICS EXPLORATION LTD. P.O. Box 1880, P4N-7X1 Suite 13, Hollinger Bldg, Timmins Ont. Telephone: 705-267-4151, 267-2424		
CLIENT: BYNG PROPERTIES INC.		
PROPERTY: BYNG TWP. PROPERTY		
TITLE: BYNG TOWNSHIP		
CLAIM SKETCH		
Fig. 3		
Date: AUG., 2000	Scale: 1:20,000	NTS:
Drawn: J.C. Grant	Interp: J.C. Grant	Job No.: E-385

PERSONNEL:

The field crew directly responsible for the collection of the raw magnetic and HLEM data were as follows.

E. Jaakkola.....Timmins, Ontario
 A. Chaumont.....Timmins, Ontario
 R. MacRae.....Timmins, Ontario
 J. DerWeduwen.....Timmins, Ontario

The ground program was completed under the direct supervision of J.C. Grant and all of the plotting and compilation was completed by Exsics Exploration Limited's In-house staff.

GROUND PROGRAM:

The ground program was completed in two phases. The first phase was to establish a detailed metric grid across the property using lines spaced 100 meters apart that were turned off of a base line that was first cut west to east across the center of the claim block. These cross lines commenced on the western border with line 1400MW and were cut and chained to line 1400ME which represented the eastern boundary of the claim block. All of these cross lines were then cut to the north and south limits of the claim group. Three tie lines were also cut parallel to the base line, TL 900MN, TL 500MS and TL 1000MS all of which were cut from line 1400MW to and including 1400ME. In all, a total of 69.5 kilometers of grid lines were established across the property and all of the lines were chained with 25 meter station intervals.

Upon the completion of the line cutting, a detailed, Total Field Magnetic survey was done in conjunction with an HLEM survey across all of the cut lines. The magnetic survey was done using the Scintrex, Envi Mag system. Specification for this unit can be found as Appendix A of this report. The HLEM survey was completed using the Apex Parametrics, MaxMin II system. Specifications for this system can be found as Appendix B of this report.

The following parameters were kept constant throughout the two surveys.

MAGNETIC SURVEY:

Line spacing.....100 meters
 Station spacing..... 25 meters
 Reading Interval..... 25 meters
 Diurnal Monitoring..... base station recorder
 Record interval..... 30 seconds
 Reference field..... 58,060 gammas
 Datum subtracted..... 58,000 gammas
 Unit accuracy..... +/- 0.1 gamma

Upon the completion of the magnetic survey, the collected data was corrected through the base station data to eliminate diurnal variances and the data had a background of 58,000 removed from each corrected reading for ease in plotting purposes only. The corrected and leveled data was then plotted directly onto a base map at a scale of 1:5,000 and then the data was contoured at 50 gamma intervals where ever possible. A copy of this contoured base map is included in the back pocket of this report.

HLEM SURVEY:

- Line spacing.....100 meters
- Station spacing..... 25 meters
- Reading interval..... 25 meters
- Coil separation..... 150 meters
- Theoretical search depth..... 75 to 95 meters
- Frequencies recorded..... 1777Hz, 444Hz
- Parameters measured..... In phase and quadrature components of the secondary field

Once the HLEM survey was completed, the collected data was also plotted onto base maps at a scale of 1:5000, one such base map for each frequency, and then the data was profiled at 1cm to +/- 10%. All conductive zones outlined during the survey were then placed on these base maps and the 444Hz frequency was interpreted for depth and conductivity for each zone. A copy of these base maps is also included in the back pocket of this report.

SURVEY RESULTS

The magnetic survey was successful in outlining a number of geological trends across the property. A number of these magnetic units strike east-west to northwest-southeast and continue off of the grid in both directions. The most predominant magnetic structures are situated across the southern section of the property and at this time appear to relate to iron rich formations.

The HLEM survey was also successful in outlining a number of conductive zones across the grid. Each of these zones have been labeled and each will be discussed separately and in detail. All of the zones will be correlated to the magnetic results and will include their depths to source and conductivity.

ZONE A:

This conductor strikes from line 0+00 and continues to and including line 400MW. The zone is open to the east but the location of the pond stopped further interpretation. This zone is situated at a depth of 65 to 85 meters and has good conductivity of 5 to 27 mhos. The zone correlates to a modest magnetic high unit which is represented by a narrow mag high situated between magnetic lows.

This zone may extend as far as line 600MW but it appears to have been offset and or faulted to the northwest. This offset zone has been labeled Zone A' and it correlates directly to the southern flank of a good magnetic high unit. This zone is situated at a depth of 95 meters and has a conductivity range of 24 to 27 mhos.

ZONE B:

This conductor represents one of the strongest zones on the grid. It strikes from line 1100MW to 1400MW and continues off of the grid to the west. In fact it is getting stronger as it strikes off of the grid to the west. The zone is situated at a depth of 75 to 55 meters and it has a conductivity range of 7 to 48 mhos. This target appears to be dipping slightly north to near vertical.

The zone lies at the southern flank of a narrow magnetic high unit that is also getting stronger as it strikes off of the grid to the west. This zone may be a continuation of conductive zone C which strikes further to the east but on strike with Zone B.

ZONE C:

This conductor can be traced from line 500MW to 100ME and may extend as far as line 600ME. The zone lies at depth of 60 to 82 meters and has a conductivity range of 13 to 35 mhos.

The zone correlates to a good narrow magnetic high unit that is thought to represent an iron rich formation that is quite evident in the magnetic survey and can be followed across the entire southern section of the grid.

ZONE D:

This zone can be traced from line 400ME to 700ME and lies at a depth of 87 to 93 meters and it has a modest conductivity of 5 to 8 mhos. Again, the zone appears to lie on the northern flank of a broad magnetic high unit that is part of the large magnetic high unit that covers the southern section of the property.

ZONE E:

This zone represents a weak conductor striking across lines 500MW to 200MW. The zone is quite deep but it does correlate to a good narrow magnetic high unit that appears to be an isolated mag target situated between lines 500MW and 200MW and does not have the same signature as the iron rich unit to the south. This may however be due to the depth of the target.

ZONE F:

This zone can be traced from line 100ME to 300ME and continues off of the grid to the south. The zone is best represented on the 1000MS tie line which may suggest that the strike of the zone is more north-south and east-west.

The western extension of the zone strikes into a good magnetic high which may be part of the iron rich mag unit. However, the eastern and southern extensions appear to relate to a modest magnetic low unit that follows the southern end of line 300ME.

The magnetic survey was quite successful in outlining and mapping the geological characteristics of the property. The high magnetic units may relate to iron rich units which appear to undulate in depth across the property. These units in turn appear to have been faulted and or folded in places along their strike length. There is also areas of minor shearing which is evident in minor offsets in the magnetic trends.

Generally, the strike of the underlying geology is east-west to southeast-northwest. This strike direction is generally confirmed in the strike of the corresponding HLEM conductors.

CONCLUSIONS AND RECOMMENDATIONS:

Generally, the ground program was successful in locating and outlining a number of conductive horizons across the property. These conductive zones all appear to relate to legitimate bedrock conductors of which most are within the search depth capabilities of the survey.

At this writing, conductive zones A, A', B and C represent the best and strongest targets on the property. Zone A is a well define target which can easily be drilled based on these results. If a hole is to be considered, it should be spotted on line 100MW and on the north side of the zone.

Zone C is also well defined and should be drill tested. Should a hole be considered, then it should be spotted on line 300MW and to the north of the zone.

Conductive zone B is a good target as well but it is open to the west and it appears to be getting stronger to the west. A drill hole could be spotted on line 1400MW but further follow up should be considered to the west to better define the strike length and direction.

Also Zone F should be followed up further as it also strikes off of the grid to the south and appears to be getting stronger to the south.

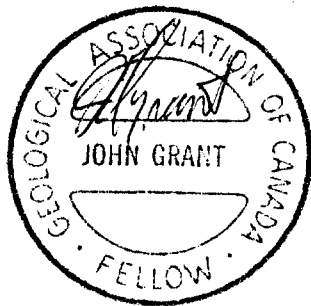
Zones D and E are considered lower priority at this writing only because they appear to be situated at a depth too deep for the present survey capabilities.

Should any of the proposed drilling be initiated and positive results are encountered then all of the zones will have to be reconsidered for either drilling and or further follow up surveys.

I would also recommend a detailed geological survey be carried out across the cut grid to map in the exposed out crops and possibly to verify exposed conductive zones.

Respectfully submitted

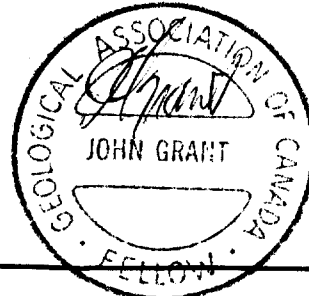
J.C. Grant, CET, FGAC
September, 2000



CERTIFICATE

I, John C. Grant, hereby certify that:

- 1) I am a graduate technologist, (1975) of the three year program in Geological Technology at Cambrian College of Applied Arts and Technology, Sudbury Campus. I have worked subsequently as an Exploration Geophysicist for Teck Exploration Limited, (5 years), North Bay office and currently as Exploration Manager and Geophysicist for Exsics Exploration Limited since 1980.
- 2) I am a member in good standing of the Certified Engineering Technologist Association, (CET), since 1984
- 3) I am a Fellow of the Geological Association of Canada, (FGAC), since 1986.
- 4) I have been actively engaged in my profession since May of 1975, including all aspects of exploration studies, surveys and interpretation.
- 5) I have no specific or special interest in the described property. I have been retained as a Consulting Geophysicist by the Property holders.



John Charles Grant, CET, FGAC.

APPENDIX A

SCINTREX

ENVI-MAG Environmental Magnetometer/Gradiometer

Locating Buried Drums and Tanks?

The ENVI-MAG is the solution to this environmental problem. ENVI-MAG is an inexpensive, lightweight, portable "WALKMAG" which enables you to survey large areas quickly and accurately.

ENVI-MAG is a portable, proton precession magnetometer and/or gradiometer, for geotechnical, archaeological and environmental applications where high production, fast count rate and high sensitivity are required. It may also be used for other applications, such as mineral exploration, and may be configured as a total-field magnetometer, a vertical gradiometer or as a base station.

The ENVI-MAG

- easily detects buried drums to depths of 10 feet or more
- more sensitive to the steel of a buried drum than EM or radar
- much less expensive than EM or radar
- survey productivity much higher than with EM or radar

Features and Benefits

"WALKMAG" Magnetometer/Gradiometer

The "WALKMAG" mode of operation (sometimes known as "Walking Mag") is user-selectable from the keyboard. In this mode, data is acquired and recorded at a rate of 2 readings per second as the operator walks at a steady pace along a line. At desired intervals, the operator "triggers" an event marker by a single key stroke, assigning coordinates to the recorded data.

Use Simultaneous Gradiometer

An optional upgrade kit is available to configure ENVI-MAG as a gradiometer to make true, simultaneous gradiometer measurements. Gradiometry is useful for geotechnical and archaeological surveys where small near surface magnetic objects are the object of the survey.

Selectable Sampling Rates

0.5 second, 1 second and 2 second sampling rates user selectable from the keyboard.

Main features include:

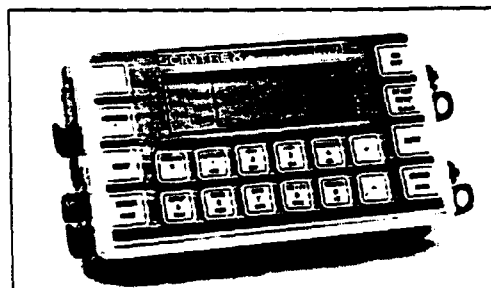
- select sampling rates as fast as 2 times per second
- "WALKMAG" mode for rapid acquisition of data
- large internal, expandable memory
- easy to read, large LCD screen displays data both numerically and graphically
- ENVIMAP software for processing and mapping data

ENVI-MAG comprises several basic modules; a lightweight console with a large screen alphanumeric display and high capacity memory, a staff mounted sensor and sensor cable, rechargeable battery and battery charger, RS-232 cable and ENVIMAP processing and mapping software.

For gradiometry applications an upgrade kit is available, comprising an additional processor module for installation in the console, and a second sensor with a staff extender.

Large-Key Keypad

The large-key keypad allows easy access for gloved-hands in cold-weather operations. Each key has a multi-purpose function.



Front panel of ENVI-MAG showing a graphic profile of data and large-key keypad

Large Capacity Memory

ENVI-MAG with standard memory stores up to 28,000 readings of total field measurements, 21,000 readings of gradiometry data or 151,000 readings as a base station. An expanded memory option is available which increases this standard capacity by a factor of 5.



ENVI-MAG Proton Magnetometer in operation

For base station applications a Base Station Accessory Kit is available so that the sensor and staff may be converted into a base station sensor.

Easy Review of Data

For quality of data and for a rapid analysis of the magnetic characteristics of the survey line, several modes of review are possible. These include the measurements at the last four stations, the ability to scroll through any or all previous readings in memory, and a graphic display of the previous data as profiles, line by line. This feature is very useful for environmental and archaeological surveys.

Highly Productive

The "WALKMAG" mode of operation acquires data rapidly at close station intervals, ensuring high-definition results. This increases survey productivity by a factor of 5 when compared to a conventional magnetometer survey.

"Datacheck" Quality Control of Data

"Datacheck" provides a feature wherein at the end of each survey line, data may be reviewed as a profile on ENVI-MAG's screen. Datacheck confirms that the instrument is functioning correctly and

allows the user to note the magnetic relief (anomaly) on the line.

Large Screen Display

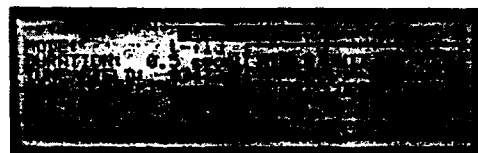
"Super-Twist" 64 x 240 dot (8 lines x 40 characters), LCD graphic screen provides good visibility in all light conditions. A display heater is optionally available for low-temperature operations below 0°C.



Close-up of the ENVI-MAG screen showing data presented after each reading

Interactive Menus

The set-up of ENVI-MAG is menu-driven, and minimizes the operator's learning time, and on-going tasks.



Close-up of display of ENVI-MAG showing interactive set-up menu

Specifications

Total Field Operating Range

20,000 to 100,000 nT (gammas)

Total Field Absolute Accuracy

+/- 1nT

Sensitivity

0.1 nT at 2 second sampling rate

Tuning

Fully solid state. Manual or automatic, keyboard selectable

Cycling (Reading) Rates

0.5, 1 or 2 seconds, up to 9999 seconds for base station applications, keyboard selectable

Gradiometer Option

Includes a second sensor, 20 inch (1/2m) staff extender and processor module

"WALKMAG" Mode

0.5 second for walking surveys, variable rates for hilly terrain

Digital Display

LCD "Super Twist", 240 x 64 dots graphics, 8 line x 40 characters alphanumeric

Display Heater

Thermostatically controlled, for cold weather operations

Keyboard Input

17 keys, dual function, membrane type

Notebook Function

32 characters, 5 user-defined MACRO's for quick entry

Rechargeable Battery and Battery Charger

An "off-the-shelf" lead-acid battery and charger are provided as standard. The low-cost "Camcorder" type battery is available from electronic parts distributors everywhere.

HELP-Line Available

Purchasers of ENVI-MAG are provided with a HELP-Line telephone number to call in the event assistance is needed with an application or instrumentation problem.

ENVIMAP Processing and Mapping Software

Supplied with ENVI-MAG, and custom designed for this purpose, is easy-to-use, very user-friendly, menu driven data processing and mapping software called ENVIMAP. This unique software appears to the user to be a single program, but is in fact a sequence of separate programs, each performing a specific task. Under the menu system, there are separate programs to do the following:

- read the ENVI-MAG data and reformat it into a standard compatible with the ENVIMAP software
- grid the data into a standard grid format
- create a vector file of posted values

with line and baseline identification that allows the user to add some title information and build a suitable surround

- contour the gridded data
- autoscale the combined results of the posting/surround step and the contouring step to fit on a standard 8.5 ins. wide dot-matrix printer
- rasterize and output the results of step e) to the printer

ENVIMAP is designed to be as simple as possible. The user is required to answer a few basic questions asked by ENVIMAP, and then simply toggles "GO" to let ENVIMAP provide default parameters for the making of the contour map. The user can modify certain characteristics of the output plot. ENVIMAP'S menu system is both keyboard and mouse operable. HELP screens are integrated with the menu system so that HELP is displayed whenever the user requests it.

Options Available

- True simultaneous gradiometer upgrade
- Base station upgrade
- Display heater for low temperature operations
- External battery pouch

Standard Memory

Total Field Measurements: 28,000 readings
Gradiometer Measurements: 21,000 readings
Base Station Measurements: 151,000 readings

Expanded Memory

Total Field Measurements: 140,000 readings
Gradiometer Measurements: 109,000 readings
Base Station Measurements: 750,000 readings

Real-Time Clock

Records full date, hours, minutes and seconds with 1 second resolution, +/- 1 second stability over 12 hours

Digital Data Output

RS-232C interface, 600 to 57,600 Baud, 7 or 8 data bits, 1 start, 1 stop bit, no parity format. Selectable carriage return delay (0-999 ms) to accommodate slow peripherals. Handshaking is done by X-on/X-off

Analog Output

0 - 999 mV full scale output voltage with keyboard selectable range of 1, 10, 100, 1,000 or 10,000 nT full scale

Power Supply

Rechargeable "Camcorder" type, 2.3 Ah, Lead-acid battery.

12 Volts at 0.65 Amp for magnetometer, 1.2 Amp for gradiometer,

External 12 Volt input for base station operations

Optional external battery pouch for cold weather operations

Battery Charger

110 Volt - 230 Volt, 50/60 Hz

Operating Temperature Range

Standard 0° to 60°C
Optional -40°C to 60°C

Dimensions

Console - 10 x 6 x 2.25 inches
(250 mm x 152 mm x 55 mm)

T.F. sensor - 2.75 inches dia. x 7 inches
(70 mm x 175 mm)

Grad. sensor and staff extender - 2.75 inches dia. x 26.5 inches (70 mm x 675 mm)

T.F. staff - 1 inch dia. x 76 inches (25 mm x 2 m)

Weight

Console - 5.4 lbs (2.45 kg)
with rechargeable battery

T. F. sensor - 2.2 lbs (1.15 kg)

Grad. sensor - 2.5 lbs (1.15 kg)

Staff - 1.75 lbs (0.8 kg)

SCINTREX

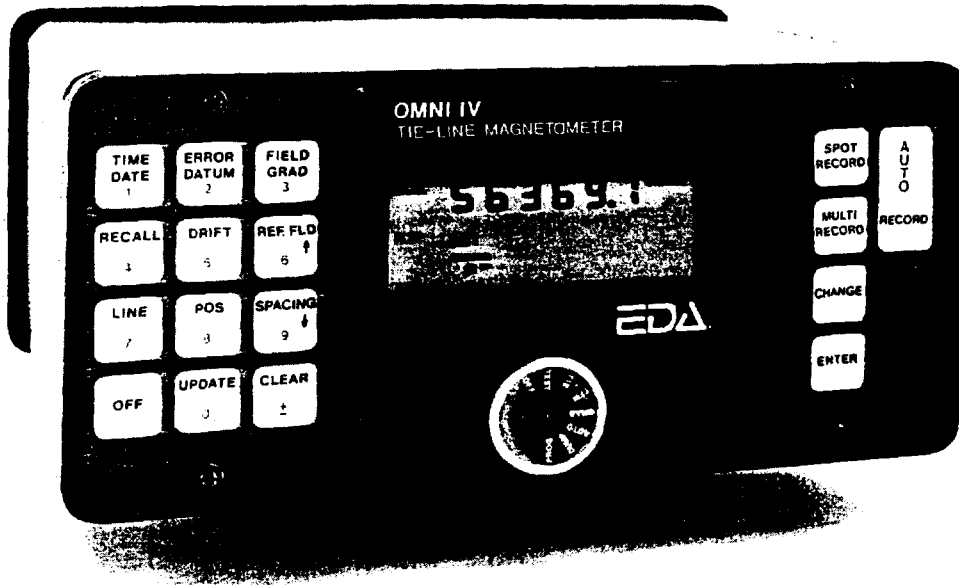
Head Office

222 Snidercroft Road
Concord, Ontario, Canada L4K 1B5
Telephone: (905) 669-2280
Fax: (905) 669-6403 or 669-5132
Telex: 06-964570

In the USA:

Scintrex Inc.
85 River Rock Drive
Unit 202
Buffalo, NY 14207
Telephone: (716) 298-1219
Fax: (716) 298-1317

OMNI IV "Tie-Line" Magnetometer



- 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	$\pm 15\%$ 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 $+55^{\circ}\text{C}$. The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors.
RS 32 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
Timing Time (Base Station Mode)	Programmable from 5 seconds up to 60 minutes in 1 second increments
Operating Environmental Range	-40°C to $+55^{\circ}\text{C}$; 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 (1.5 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
Condiometer Option	Standard system plus 0.5 meter sensor

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Canada M4H 1H1
Telex: 06 23222 EDA TOR
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EDA Instruments Inc.
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Wheat Ridge, Colorado
U.S.A. 80033
(303) 422 9112

Printed in Canada

APPENDIX B

APEX

MAXMIN II PORTABLE EM

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



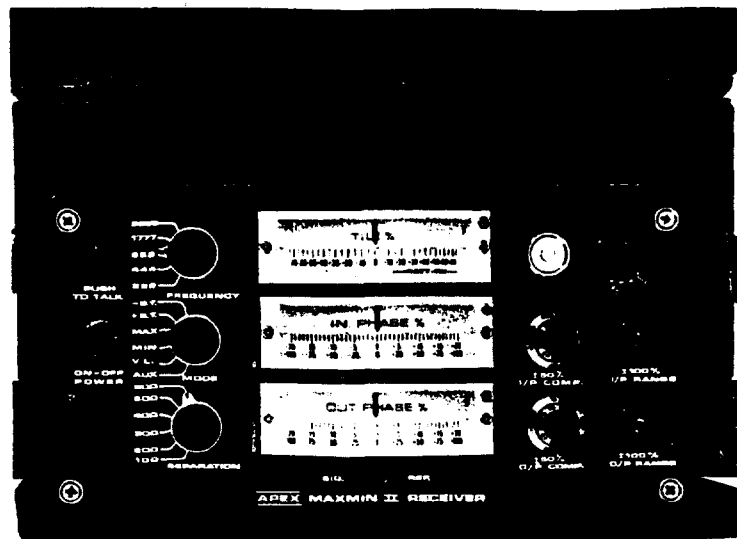
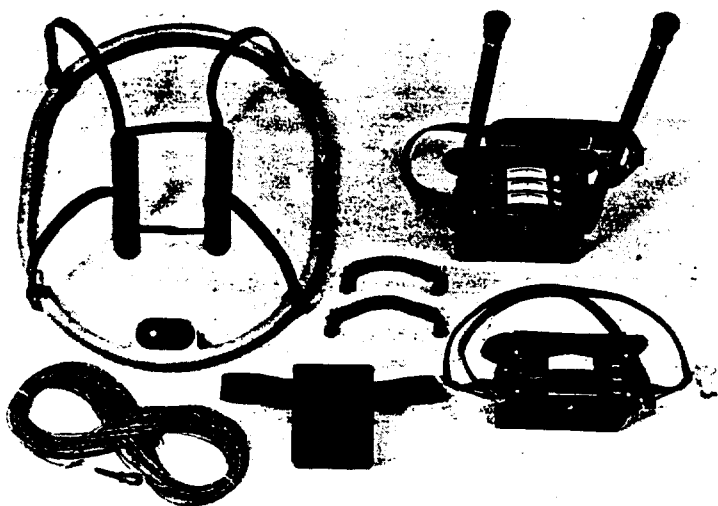


Figure 1. Apex Maxmin II Receiver. (Courtesy of the manufacturer.)

SPECIFICATIONS :

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

Modes of Operation: MAX: Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with refer. cable.
 MIN: Transmitter coil plane horizontal and receiver coil plane vertical (Min-coupled mode). Used with reference cable.
 V.L. : Transmitter coil plane vertical and receiver coil plane horizontal (Vertical-loop mode). Used without reference cable, in parallel lines.

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

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

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

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

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

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

Transmitter Output: - 222Hz : 220 Atm²
 - 444Hz : 200 Atm²
 - 888Hz : 120 Atm²
 - 1777Hz : 60 Atm²
 - 3555Hz : 30 Atm²

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

Transmitter Electronics: 12V 6Ah Gal-type rechargeable battery. (Charger supplied).

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

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

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

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

Receiver Weight: 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 PARAMETERS LIMITED
 200 STEELCASE RD. E., MARKHAM, ONT., CANADA, L3R 1G2

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



Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)
W0060-00380
Assessment Files Research Imaging



42B13NE2002 2.20567 BYNG

900

subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the view the assessment work and correspond with the mining land holder. recorder, Ministry of Northern Development and Mines, 6th Floor,

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

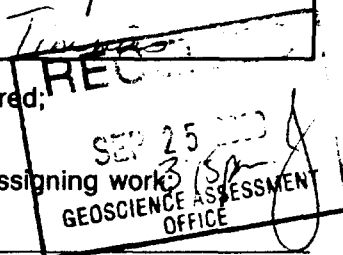
Name <i>GERRY LECOUCR, MRS R. LECOUCRS</i>	Client Number <i>2074366 (P.M.A)</i>
Address <i>GENERAL DELIVERY, HEARST, Ontario</i>	Telephone Number <i>705-367-5193</i>
	Fax Number <i>705-362-8573</i>
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, surveys, assays and work under section 18 (regs) Physical: drilling, stripping, trenching and associated assays Rehabilitation

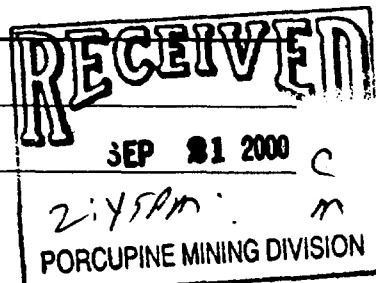
Work Type <i>LINEMARKING, MAGNETICS, HEM SURVEYS, PLOTS & REPORTS</i>	Office Use
	Commodity
	Total \$ Value of Work Claimed <i>\$20,653</i>
Dates Work Performed From <i>2</i> Day <i>7</i> Month <i>2000</i> Year To <i>20</i> Day <i>09</i> Month <i>2000</i> Year	NTS Reference
Global Positioning System Data (if available)	Mining Division <i>Porcupine</i>
Township/Area <i>BYNG TWP.</i>	Resident Geologist District <i>Timmins</i>
M or G-Plan Number <i>G-2294</i>	

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.



3. Person or companies who prepared the technical report (Attach a list if necessary)

Name <i>John C. Grants</i>	Telephone Number <i>705-267-4151</i>
Address <i>P.O. Box 1880, Timmins, Ont.</i>	Fax Number <i>705-264-5750</i>
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number



4. Certification by Recorded Holder or Agent

I, *John C. Grants* (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: *John C. Grants* Date: *December 24, 2000*

Agent's Address: *1880* Telephone Number: *705-267-4151* Fax Number: *705-264-5750*

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W0060-00382

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 P-1241373	10	\$8,758.00	\$8,000.00		\$758.00
2 P-1241386	10	\$8,758.00	\$8,000.00		\$758.00
3 P-1230140	15	\$13,137.00	\$8,000.00		\$5,137.00
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		\$30,653.00	\$24,000.00		\$6,653.00

I, John C. Grant, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: [Signature] Date: SEP 21 2000

REC SEP 25 3:15 PM
GEOLOGICAL ASSESSMENT OFFICE

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check () in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows:

RECEIVED
SEP 21 2000
2:45 PM
MINING DIVISION

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
LINE CUTTING	46.2 km Km	\$265/Km	\$12,243.00
MAGNETICS	69.5 Km	\$72/Km	\$5,016.00
ALUM	69.5 Km	\$152/Km	\$10,575.00
CROSS REPORTS	5 Days	→ ALL IN	\$650.00
7% GST			\$2,005.36
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			

RECEIVED
SEP 21 2000
PORCUPINE MINING DIVISION

Total Value of Assessment Work **\$30,653.36**

RECEIVED
SEP 25 2000
3:15 PM
GEOLOGICAL

Calculations of Filing Discounts:

Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK $\times 0.50 =$ Total \$ value of worked claimed.

Note:

Work older than 5 years is not eligible for credit. A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the minister may reject all or part of the assessment work submitted.

Certification verifying costs:

Sean C. Grant (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Agent I am authorized

to make this certification.

Signature Sean C. Grant Date 11/21/00

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9845
Fax: (877) 670-1555

October 26, 2000

RITA MARIA LECOURS
1301 PRINCE STREET
HEARST, ONTARIO
P0L-1N0

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.20567

Status

Subject: Transaction Number(s): W0060.00380 Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in **DUPLICATE** to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact LUCILLE JEROME by e-mail at lucille.jerome@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,



ORIGINAL SIGNED BY
Steve B. Beneteau
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.20567

Date Correspondence Sent: October 26, 2000

Assessor: LUCILLE JEROME

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0060.00380	1241373	BYNG	Approval	October 24, 2000

Section:

14 Geophysical MAG

14 Geophysical EM

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

John C. Grant
TIMMINS, ONTARIO, CANADA

RITA MARIA LECOORS
HEARST, ONTARIO

GERALD YVON LECOORS
FORT MCMURRAY, ALBERTA

BYNG PROPERTIES INC.
HEARST, ONTARIO

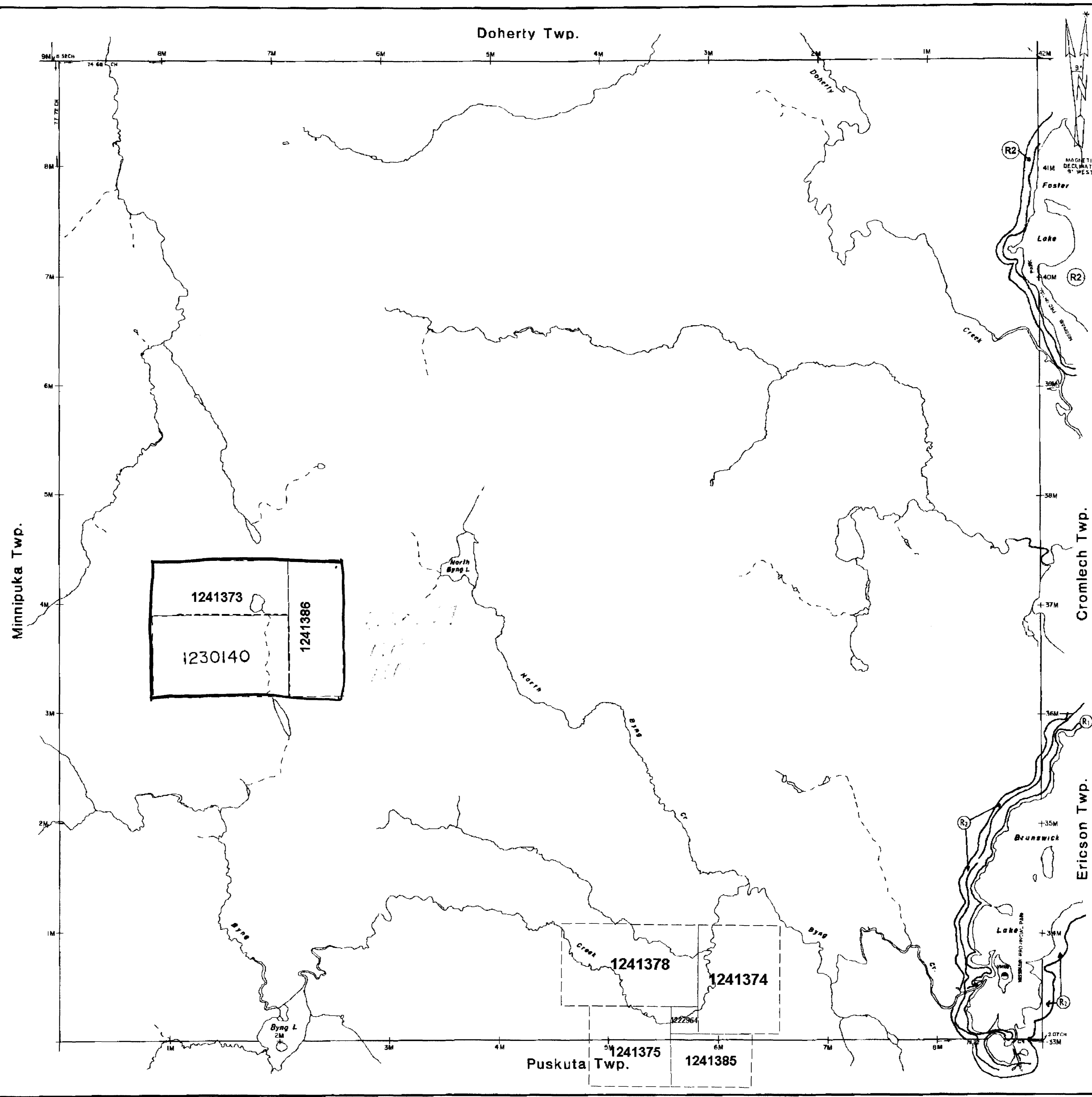
AREAS WITHDRAWN FROM DISPOSITION

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

Description	Order No.	Date	Disposition	File
400 W-64/76 OCT 22/76 5R & MR EITHER SIDE OF BRUNSWICK RIVER, SHORES OF BRUNSWICK & FOSTER LAKES				

PROPOSED MISSISSAUGA PARK BOUNDARY EXPANSION
NOTICE RECEIVED JULY 4, 1991

SAND & GRAVEL



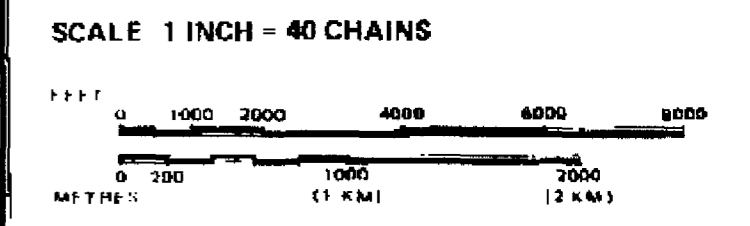
LEGEND

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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	
LAND USE PERMITS FOR COMMERCIAL TOURISM, OUTPOST CAMPS	

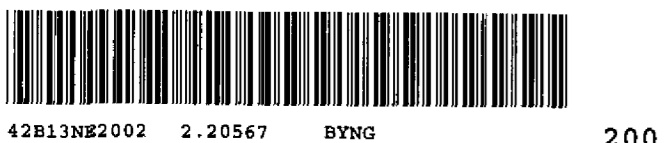
NOTE: AREAS RIGHTS IN PARCELS PATENTED PRIOR TO MAY 5, 1813, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 300, SEC. 63, SUBSEC. 1.



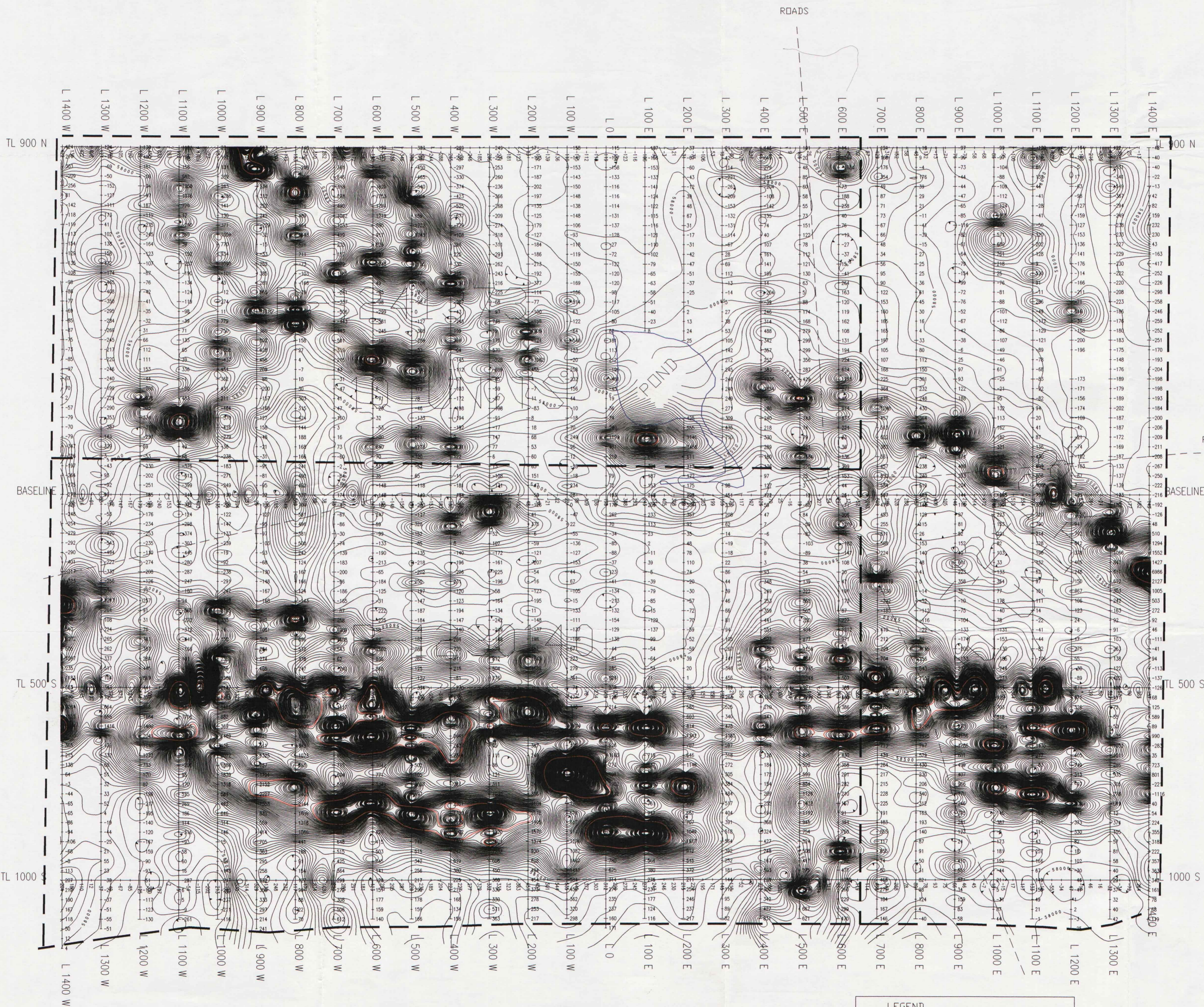
TOWNSHIP
BYNG
M.N.R. ADMINISTRATIVE DISTRICT
HEARST
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
ALGOMA

Ministry of Natural Resources Ontario
Ministry of Northern Development and Mines

Date: JULY, 1992
Number: **G-2294**



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.



ROADS

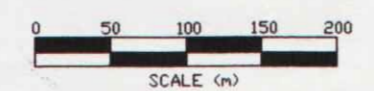


ROADS

BASELINE

BASELINE

2.20587



LEGEND
 Instrument: SCINTREX ENVI MAG, BRGM DMNI-IV
 Parameters Measured: Earth's total magnetic field
 Accuracy: +/- 0.1 nano-Teslas
 Diurnal: Corrected by base station recorder
 Contour Interval: 0.50,100,150,200.....
 Reference Field: 58,060 gammas
 Datum Subtracted: 58,000 gammas



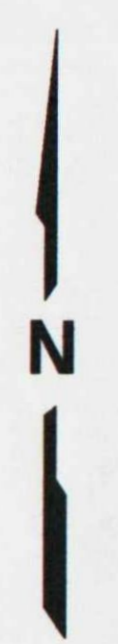
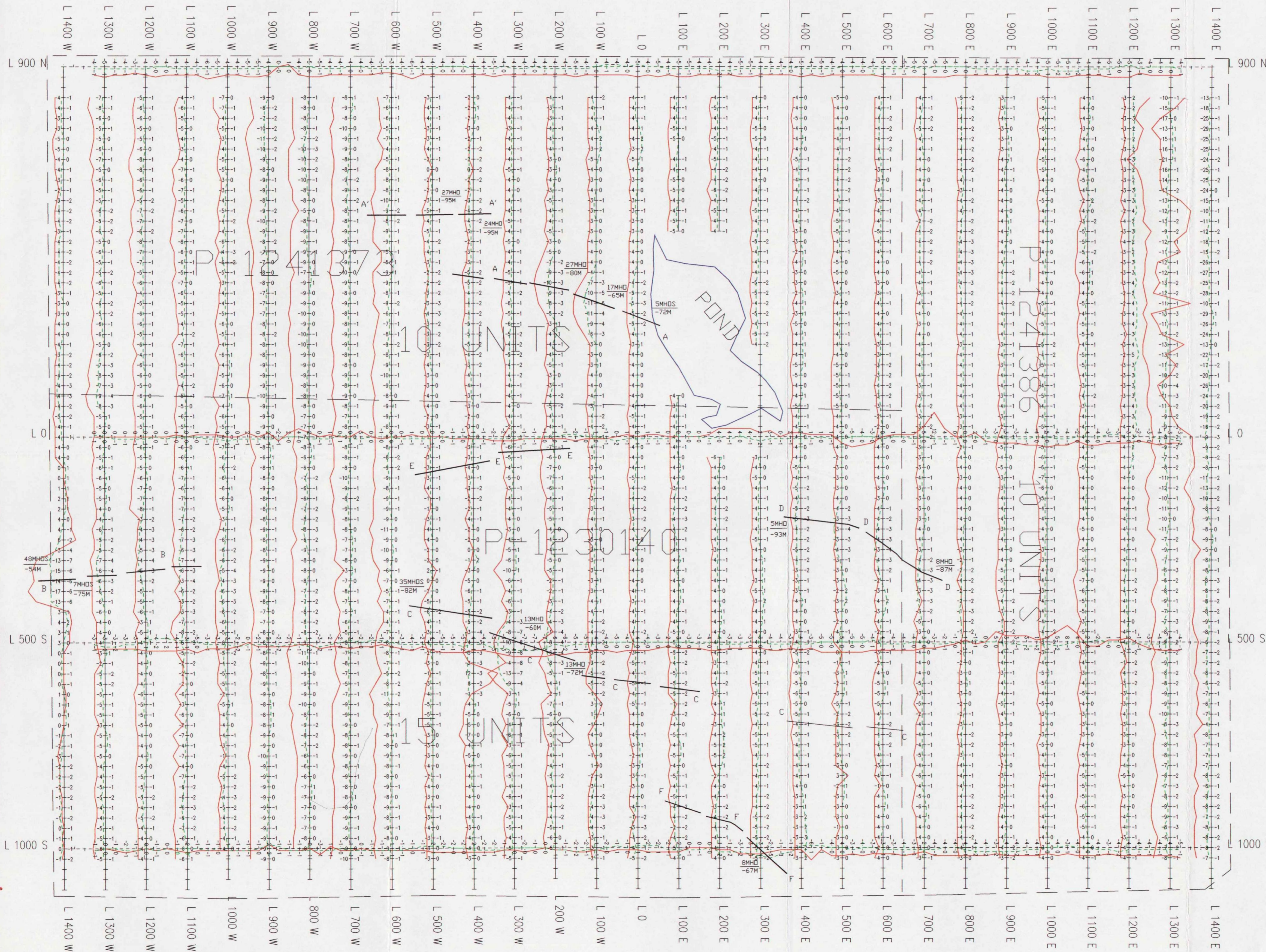
EXSICS EXPLORATION LTD.
 P.O. Box 1880, P4N-7X1
 Suite 13, Hollinger Bldg, Timmins Ont.
 Telephone: 705-267-4151, 267-2424

CLIENT: BYNG PROPERTIES INC.
PROPERTY: BYDG TOWNSHIP, LECOURS CLAIMS

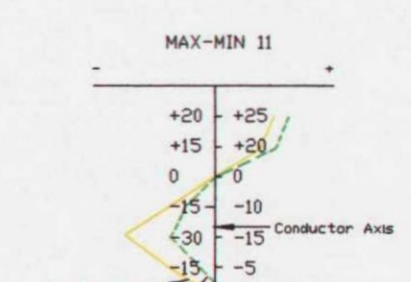
TITLE: MAGNETOMETER SURVEY

Date: August, 2000 Scale: 1:5000 NTS:
 Drawn: J.C. Grant Interp: J.C. Grant Job No.: F-385





2.20567



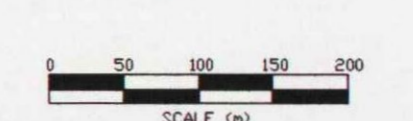
LEGEND
 Instrument: Apex Parametric Max-Min 11
 Mode: Maximum Coupled Horizontal Loop Survey
 Parameters Measured: Inphase (I)
 Frequency: 444 Hz
 Coil Separation: 150 METERS
 Operator: J.D.BERVENICH
 Profile Scale: 1cm=1'-10"

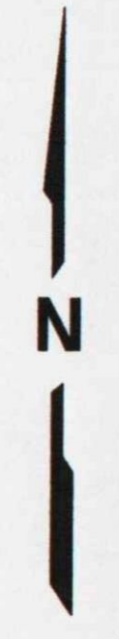
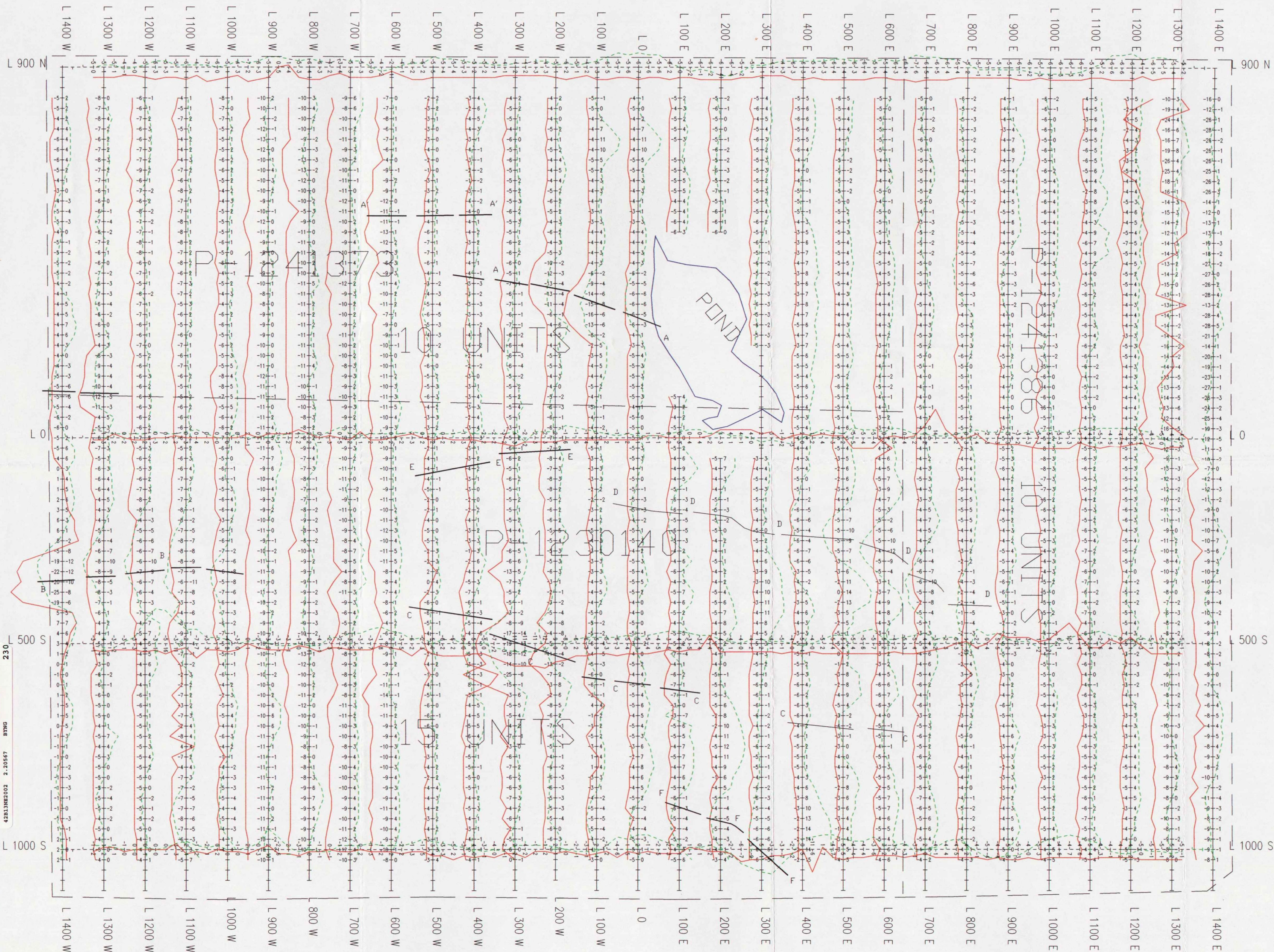
EXSICS EXPLORATION LTD.
 P.O. Box 1880, P4N-7X1
 Suite 13, Hollinger Bldg, Timmins Ont.
 Telephone: 705-267-4151, 267-2424

CLIENT: BYNG PROPERTIES INC.
 PROPERTY: BYNG TOWNSHIP

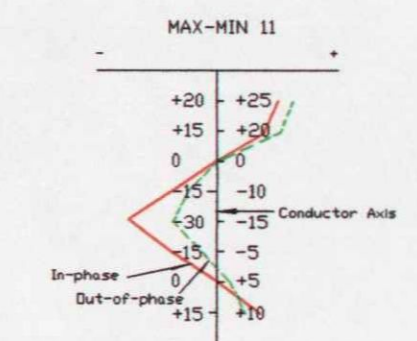
HLEM SURVEY, 444 HZ

Date: SEPT. 2000 Scale: 1:5,000 NTS:
 Drawn: J.C. Grant Interp: J.C. Grant Job No.: E-385





2.20567



LEGEND
 Instrument: Apex Parametrics Max-Min 11
 Model: Maxmin Coupled Horizontal Loop Survey
 Parameters Measured: Inphase (I), Out of phase (O)
 Frequency: 1777 Hz
 Coil Separation: 150 METERS
 Operator: J.DERWEDUEN
 Profile Scale: 1cm=10m

EXSICS EXPLORATION LTD.
 P.O. Box 1880, P4N-7X1
 Suite 13, Hollinger Bldg, Timmins Ont.
 Telephone: 705-267-4151, 267-2424

CLIENT: BYNG PROPERTIES INC.
 PROPERTY: BYNG TOWNSHIP

HLEM SURVEY, 1777 HZ

Date: SEPT. 2000 Scale: 1:5,000 NTS:
 Drawn: J.C. Grant Interp: J.C. Grant Job No.: E-385

