GEOPHYSICAL REPORT
FOR
AMADOR GOLD CORPORATION
ON THE
BYERS ANGLED PROPERTY
BYERS & LOVELAND TOWNSHIPS
PORCUPINE MINING DIVISION
NORTHEASTERN, ONTARIO

2.39303

RECEIVED
OCT 08 2008
GEOSCIENCE ASSESSMENT
OFFICE

GEOLOGICAL ASSOCIATION OF CANADA
JOHN GRANT
FELLOW

Prepared by: J. C. Grant,
October, 2008

TABLE OF CONTENTS

ABSTRACT

Historically there are numerous ore grade rock floats in Loveland Township about 3 miles south-southeast of the Byers property. These floats range in size from 2 feet to 20 feet across and have assays ranging from 2 to 3% nickel and 1-3% copper. These floats are slightly magnetic and lie in an area of 100 feet wide by 300 feet long and generally align in a north-south direction.

The Property is the Cominco property that has a small deposit of 130,000 tons of copper-nickel and the Hollinger deposit that has about 420,000 tons of copper-nickel. This deposit has historical drill assays of 0.71% nickel and 0.42% copper. This property has had in excess of 15000 ft of drilling, assorted EM, VLF and magnetic surveys as well as boulder prospecting, geological mapping and line cutting, all from 1970 to 1977.

In order to better define a potential sulphide trend a limited HLEM survey was completed along strike from mineralization and volcanics intersected in the Hollinger drill holes LV-24-75. This 1975 drill hole intersected sulphide mineralization south-south-easterly on strike from the main Loveland Nickel Zone. The immediate survey objective was to test for these volcanics with a major step-out along strike using a cost efficient EM method. A nearby hole completed by Driver Resources in 1995 is known to have missed the strike extension of the target volcanics, intersecting primarily granitic rocks.

This property is currently being drill tested by Amador Gold to a depth of 300 to 400 meters to better define the ore zone.

INTRODUCTION:

The services of Exsics Exploration Limited were retained by Mr. C. Hartley, on behalf of the Company, Amadore Gold Corp., to complete a detailed total field magnetic survey that was done in conjunction with a VLF-EM survey over a cut grid, (the Byers Angled Property), that was cut across a portion of their claim holdings in Byers and Loveland Townships. The grid cutting was completed by an independent line cutting contractor. Once the cutting was completed the grid was then covered by the magnetic and VLF-EM surveys that was completed by Exsics Exploration Limited. This initial program was then followed up with and Induced Polarization, (IP), survey which is in progress at the time of this report.

The area has seen renewed exploration interest primarily driven by the high nickel prices and the known nickel mineralization in the immediate area.

PROPERTY LOCATION AND ACCESS:

The Byers angled Property is situated approximately 50 kilometers north-northwest of the City of Timmins. The entire claim block is situated in the east central section of Byers Township and the west central section of Loveland Township. Both of these townships are part of the Porcupine Mining Division, Northeastern, Ontario. Refer to figures 1 and 2 of this report.

Access to the grid during the survey period is somewhat involved. Highway 101 travels west of Timmins to the junction of the Kamiskotia Highway. This highway in turn runs north-northwest to the community of Kamiskotia Lake. Just to the north of this Lake, there is a good all weather gravel road, locally called the Abitibi access road, which provides access to a secondary road called the Winter Lake road. The Winter Lake road provides access to a number of ingress logging roads and current logging operations in the area of the grid has kept a gravel road open to the grid area. Traveling time from Timmins to the grid is about 2 hours.

CLAIM BLOCK:

The claim numbers that were covered by the geophysical survey are listed below.

4204347, 4215496, 4215511, 1249929, 3005414,
3005416, 3005415, 3012024, 4202912, 3012023,

Refer to Figure 3 copied from MNDM Plan Maps of Byers and Loveland Townships for the positioning of the grid and the claim number.

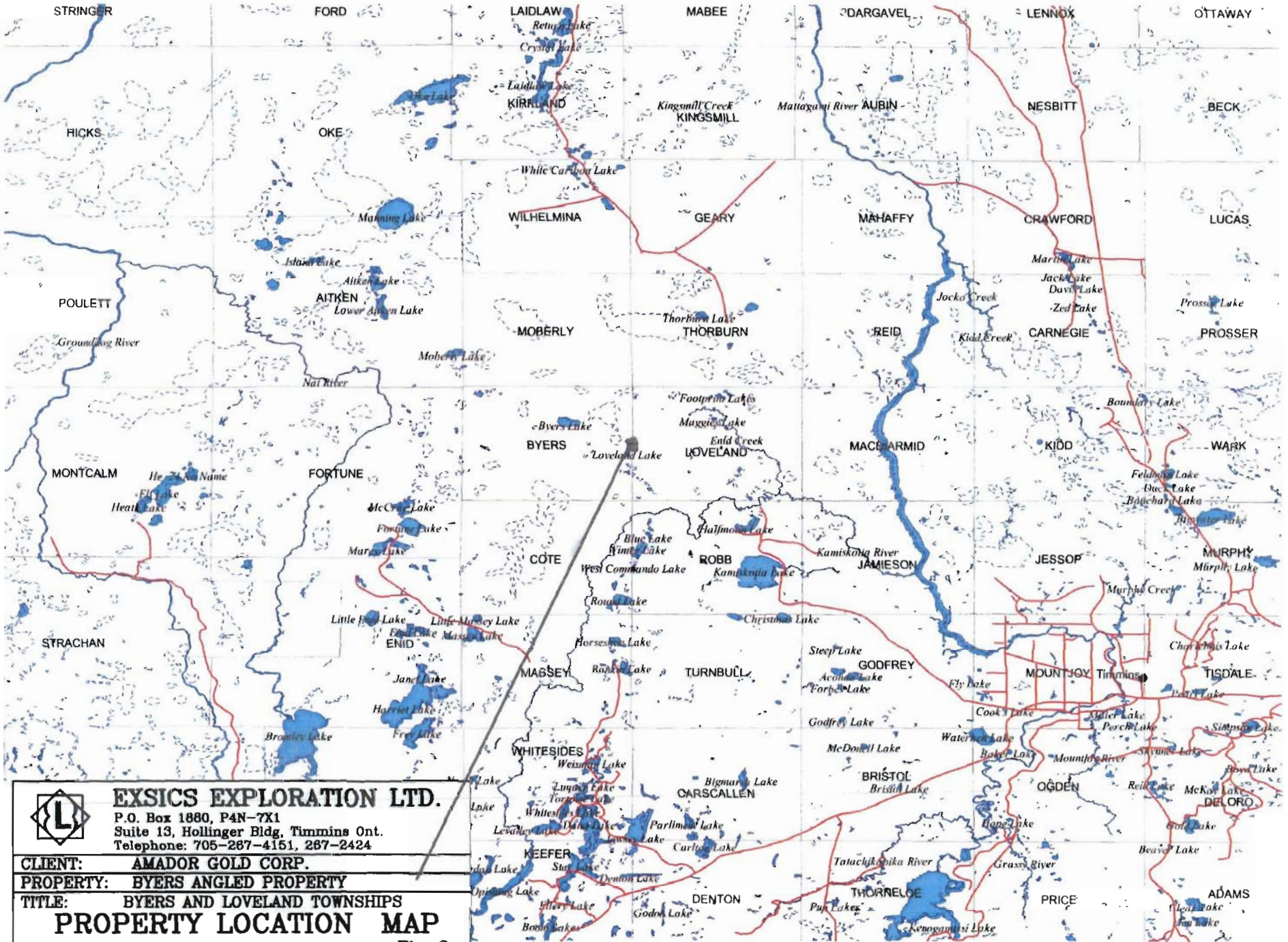
EXSICS EXPLORATION LTD.
P.O. Box 1880, P4N-7X1
Suite 13, Hollinger Bldg, Timmins Ont.
Telephone: 705-267-4151, 267-2424

CLIENT:	AMADOR GOLD CORP.
PROPERTY:	BYERS ANGLED PROPERTY
TITLE:	BYERS AND LOVELAND TOWNSHIPS

LOCATION MAP

Fig. 1

Date: Nov./07	Scale: 1"=125miles	NTS:



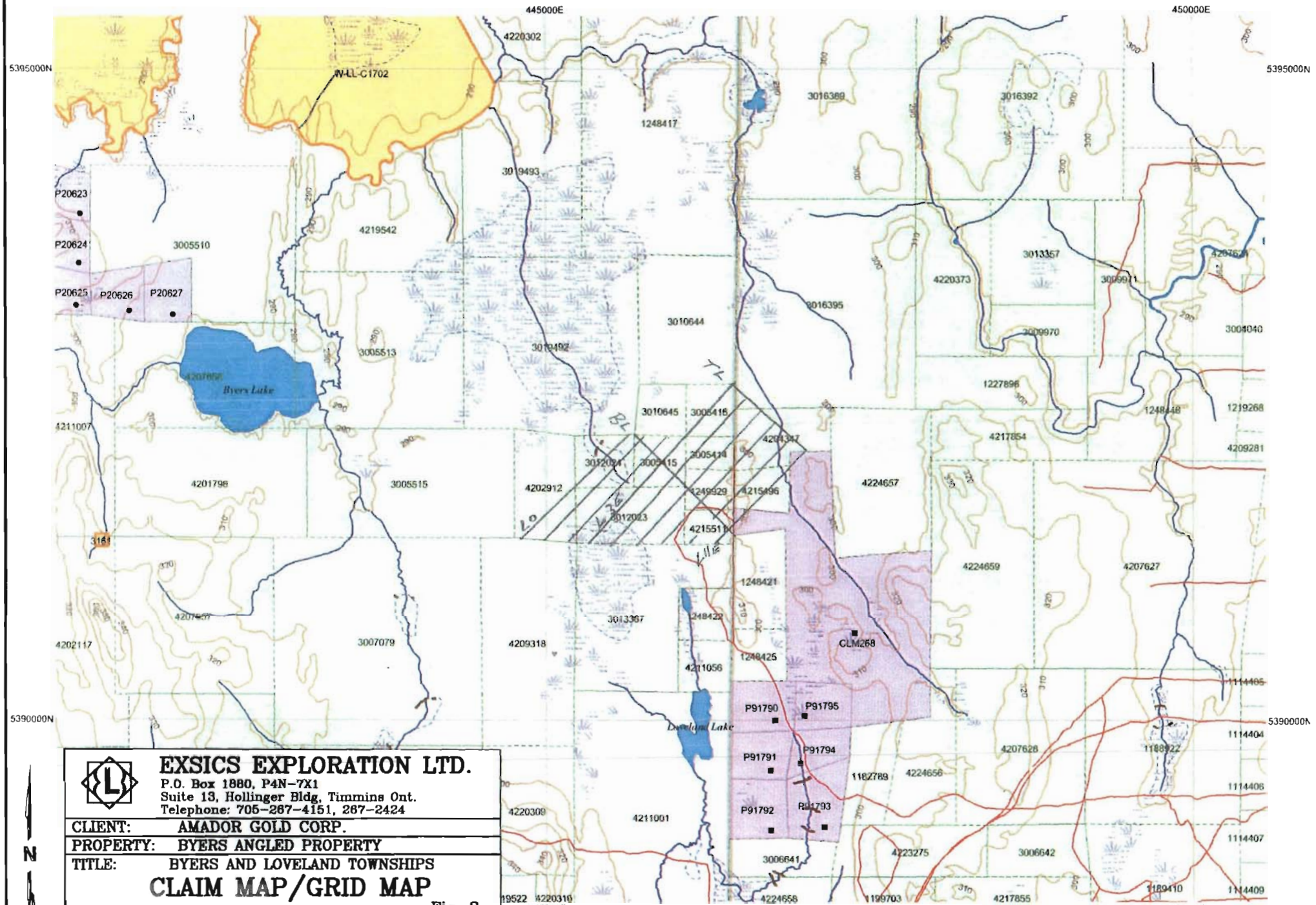
EXSICS EXPLORATION LTD.
P.O. Box 1880, P4N-7X1
Suite 13, Hollinger Bldg, Timmins Ont.
Telephone: 705-267-4151, 267-2424

CLIENT:	AMADOR GOLD CORP.
PROPERTY:	BYERS ANGLED PROPERTY
TITLE:	BYERS AND LOVELAND TOWNSHIPS

PROPERTY LOCATION MAP

Fig. 2

Date: Nov./07	Scale: 1:100,000	NTS:
Drawn: J.C.Grant	Interp: J.C.Grant	Job No.: E-617



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

CLIENT:	AMADOR GOLD CORP.
PROPERTY:	BYERS ANGLED PROPERTY
TITLE:	BYERS AND LOVELAND TOWNSHIPS

CLAIM MAP/GRID MAP

Fig. 3

Date: Nov./07	Scale: 1:40,000	NTS:
Drawn: J.C.Grant	Interp: J.C.Grant	Job No.: E-617

PERSONNEL:

The field crew directly responsible for the collection of all the raw data were as follows.

MAGNETIC AND VLF-EM CREW:

R. Bradshaw	Timmins, Ontario
E. Jaakkola	Timmins, Ontario

IP SURVEY CREW:

M. Wing	Timmins, Ontario
R. Wing	Timmins, Ontario
J. Harnell	Timmins, Ontraio
C. Coyne	Timmins, Ontario
M. Romain	Timmins, Ontario

The work was completed under the direct supervision of J. C. Grant of Exsics.

GROUND PROGRAM:

The ground program was completed in two phases. The first phase was to establish a detailed metric grid across the property which was completed by an independent contractor. The was done by first establishing a base line commencing at the number 4 post of claim 3005415 and cutting this line to 1100ME at an azimuth of 130 degrees. Cross lines were then turned off of this base line at 100 meter intervals and all of the grid lines are or will be cut to the north and south boundaries of the claim block.

All of the cross lines and base line were then chained with 25 meter pickets that were metal tagged. In all, a total of 19.9 kilometers of grid lines were cut and chained across the property.

The cut grid was then covered by a total field magnetic survey that was done in conjunction with a VLF-EM survey. The survey portion of the program was completed by Exsics Exploration and was completed using the Scintrex ENVI mag system. Specifications for this unit can be found as Appendix A of this report. The following parameters were kept constant throughout the survey.

Line spacing	100 meters
Station spacing	25 meters
Reading intervals	12.5 meters
Diurnal monitoring	base station recorder
Record interval	30 seconds
Reference field	57000 nT
Datum subtracted	56000 nT
VLF-EM transmitter	Cutler, Maine, 24.0kHZ
Parameters measured	Inphase and quadrature component, field strength and Tilt angle of the primary field
Parameters plotted	Inphase component

Once the surveys were completed the collected magnetic data was merged with the base station data, corrected and then plotted onto a base map at a scale of 1:2500. A datum of 56500nT has been removed from the readings for ease in plotting only. The plotted results were then contoured at 50 gamma intervals wherever possible. A copy of this colored contoured map is included in the back pocket of this report.

The VLF-EM data was plotted directly onto a base map at the same scale and the results were then profiled at 1cm=+/- 10%. Any and all conductor axis were then put on the map and will be correlated to the magnetic survey results. A copy of this profiled VLF map is also included in the back pocket of this report.

In all, a total of 14 .1 kilometers were covered by the magnetic and VLF surveys.

IP SURVEY:

The IP survey was completed on several of the 100 meter spaced grid lines from line 700ME to and including 1100ME. This survey was completed using the G.D.D. Receiver and the 3.6 kilowatt transmitter. Specifications for this unit can be found as Appendix B of this report. The following parameters were kept constant throughout the survey procedure.

Line spacing	100 meters
Station spacing	25 meters
IP method:	Time domain
IP array	Pole-dipole
Number of electrodes	(n) = 8 stainless steel electrodes
Electrode spacing	(a) = 25 meters
User mode:	arithmetic
Delay time and timing	240ms and 80ms
Parameters measured:	Chargeability in Millivolts/volt, Resistivity in ohms/meter

Once the data was collected it was then plotted directly onto individual line pseudo-sections, one section for each line covered by the survey, showing the contoured results of the chargeability and resistivity as well as a calculated metal factor. A copy of these colored contoured sections are included in the back pocket of this report.

In all a total of 5 kilometers of IP coverage was completed and the surveys will continue once the ground conditions dry up of freeze.

MAGNETIC and VLF-EM SURVEY RESULTS:

The magnetic survey was successful in locating and defining the geological characteristics of the grid area. One of the most predominant magnetic structures on the grid is a well defined and narrow magnetic high that generally run north south along the township line at the northern end of the magnetic survey lines. This high relates to a dike like unit that appears to have been cross cut by a modest low at the north end of line 950ME.

The next magnetic high generally strikes northeast across the western edge of the grid area and may relate to a possible intrusive. A possible fault like unit appears to strike north to northeast from line 500ME at the southern end to line 350ME at the northern end. This fault has altered the strike of the magnetic high trend that strikes across lines 200ME to 500ME at about 200 to 300MN. This magnetic trend becomes stronger as it strikes to the southeast across lines 550ME to 850ME. This portion of the high has a good corresponding VLF-EM conductor with it's entire strike length. In fact this VLF trend continues to the east and appears to cross cut the dike like unit situated along the eastern edge of the magnetic coverage.

There appears to be a deeper and or weaker magnetic high unit striking north across the grid. This zone can be traced from the south end of line 1000ME to at least the base line on line 350ME. It appears to be a narrow dike like unit.

There is a moderate VLF trend striking across lines 200ME to 500ME that corresponds to the northern edge of a magnetic high that strikes east from the intrusive on the western edge of the grid.

Narrow magnetic highs were also noted striking southeast from the magnetic unit situated between lines 500ME and 750ME just to the north of the base line. These narrow highs can be traced to at least lines 850ME and 950ME.

There are several other scattered VLF zones across the grid that generally parallel these main features that should be followed up further.

IP SURVEY RESULTS.

The IP surveys were completed across lines 700ME to and including 1100ME to generally test the magnetic high and the main VLF conductors in the vicinity.

LINE 700ME:

This line noted two narrow and well defined IP anomalies lying within the same conductive horizon. These targets are situated between the base line and 225MN and both appear to extend to depth. The zones correlate to a moderate resistivity high and a direct magnetic high. The northern IP zone correlates to the VLF zone.

LINE 800ME:

This line outlined a zone situated between 25MN and 175MN that also has a moderate resistivity high association. This zone correlates to the narrow magnetic highs that appear to strike southeast from the strong magnetic unit to the west.

LINE 900ME:

This line outlined a broad conductive zone between the base line and 175MN that generally correlates to a magnetic low area and a deep-rooted resistivity high.

A second zone appears to line between 250MN and 400MN that correlates to the suspected dike like unit. This zone has an associated resistivity high that strengthens at depth.

LINE 1000ME:

This line outlined two good IP anomalies. The first lies between 200MN and 350MN and it appears to come near surface. The zone has a good resistivity high association. This zone correlates to the dike like unit that strikes north across this portion of the grid.

A second IP anomaly was noted between 750MN and the north end of the line and it appears to continue off of the grid to the northeast. This zone has a modest resistivity high at depth.

LINE 1100ME:

This line outlined three zones. The first lies between 50MS and 50MN and it has a moderate resistivity high association and lies at the western edge of the dike like unit.

The second zone lies between 100MN and 200MN and correlates to the dike like unit. It has a good resistivity high association.

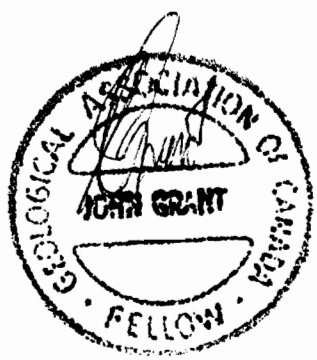
The final zone was noted at the northern edge of the line and it extends off of the grid line to the north. This zone has a modest and quite deep resistivity high association.

CONCLUSIONS AND RECOMMENDATIONS:

The ground program was successful in outlining and defining the geological structures of the grid area. These are the dike like units that generally strike north to northeast across the grid. Also there may be an intrusive coming into the grid area from the southwest that should be covered by the IP survey once the ground conditions improve. The magnetic and VLF-EM surveys will also be extended to complete the coverage across the northern extensions of lines 1100ME to and including 600ME.

Further IP coverage to the northeast is also recommended to better define the target at the northern end of lines 1000ME and 1100ME. Once these surveys are completed then all of the data will be correlated and drilling of the legitimate targets will be suggested as further follow up to define the zones at depth.

Respectfully submitted



J. C. Grant
September 2008

CERTIFICATION

I, John Charles Grant, of 108 Kay Crescent, in the City of Timmins, Province of Ontario, hereby certify that:

1). I am a graduate of Cambrian College of Applied Arts and Technology, 1975, Sudbury Ontario Campus, with a 3 year Honors Diploma in Geological and Geophysical Technology.

2). I have worked subsequently as an Exploration Geophysicist for Teck Exploration Limited, (5 years, 1975 to 1980), and currently as Exploration Manager and Chief Geophysicist for Exsics Exploration Limited, since May, 1980.

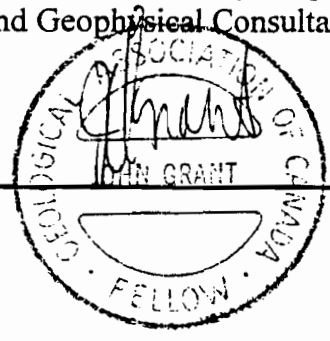
3). I am a member in good standing of the Certified Engineering Technologist Association, (CET), since 1984.

4). I am in good standing as a Fellow of the Geological Association of Canada, (FGAC), since 1986.

5). I have been actively engaged in my profession since the 15th day of May, 1975, in all aspects of ground exploration programs including the planning and execution of field programs, project supervision, data compilation, interpretations and reports.

6). I have no specific or special interest nor do I expect to receive any such interest in the herein described property. I have been retained by the property holders and or their Agents as a Geological and Geophysical Consultant and Contract Manager.

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

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.

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.

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 the 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.

True Simultaneous Gradiometer

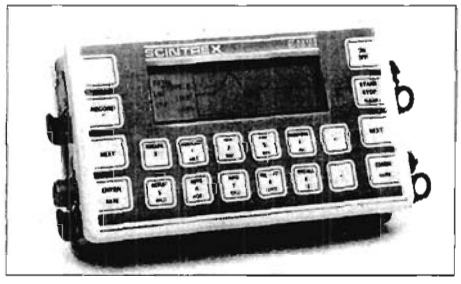
An optional upgrade kit is available to configure ENVI-MAG as a gradiometer to make true, simultaneous gradiometer measurements. Gradiometry is useful for geotechnical and archaeological surveys where small near surface magnetic targets are the object of the survey.

Selectable Sampling Rates

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

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.

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.

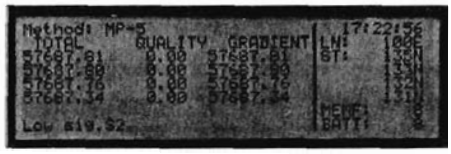
"Datacheck" Quality Control of Data

"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

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:

a) read the ENVI-MAG data and reformat it into a standard compatible with the ENVIMAP software
b) grid the data into a standard grid format
c) 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
d) contour the gridded data
e) 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
f) 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

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 (½m) 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 alphanumerics

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

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

APPENDIX B

INSTRUMENTATION GDD INC

Canadian Manufacturer of Geophysical Instrumentation since 1976
Sales, Rental, Customer Service, R&D and Field training
WWW.GDD.CA

32 Channels IP Receiver Model GRx8-32

«Field users have reported that the GDD IP Receiver provided more repeatable readings than any other time domain IP receiver and it read a few additional dipoles.»

Features

- 8 channels expandable to 16, 24 or 32
- Reads up to 32 ch. simultaneously in poles or dipoles
- PDA menu-driven software / simple to use
- 32 channels configuration allows 3D Survey:
  4 lines X 8 channels - 2 lines X 16 channels or
  1 line X 32 channels
- Link to a PDA by Bluetooth or RS-232 port
- Real-time data and automatic data stacking (Full Wave)
- Screen-graphics: decay curves, resistivity, chargeability
- Automatic SP compensation and gain setting
- 20 programmable chargeability windows
- Survey capabilities: Resistivity and Time domain IP
- One 24 bit A/D converter per channel
- Gain from 1 to 1,000,000,000 (10^8)
- Shock resistant, portable and environmentally sealed

GRx8-32: This new receiver is a compact and low consumption unit designed for high productivity Resistivity and Induced Polarization surveys. It features high ruggedness allowing to work in any field conditions

Reception poles/dipoles: 8 simultaneous channels expandable to 16, 24 or 32, for dipole-dipole, pole-dipole or pole-pole arrays.

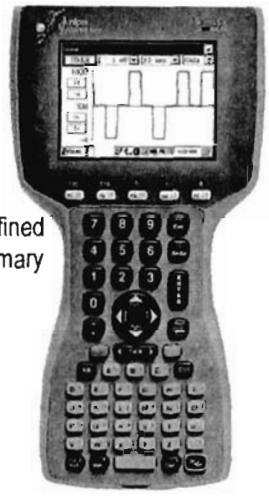
Programmable windows: The GRx8-32 offers twenty fully programmable windows for a higher flexibility in the definition of the IP decay curve.

User modes available: Arithmetic, logarithmic, semi-logarithmic, Cole-Cole, IPR-12 and user define.

IP display: Chargeability values, Resistivity values and IP decay curves can be displayed in real time. The GRx8-32 can be used for monitoring the noise level and checking the primary voltage waveform.

Internal memory: The memory of 64 megabytes can store 64,000 readings. Each reading totalizes one kilobyte and includes the full set of parameters characterizing the measurements on 8 channels. The data is stored in flash memories not requiring any lithium battery for safeguard. A flash card stores the full wave signal for post-treatment processing.

SPECIFICATIONS



Number of channels: 8, expandable to 16, 24 or 32
Survey capabilities: Resistivity and Time domain IP
Twenty chargeability windows: Arithmetic, logarithmic, semi-logarithmic, IPR-12 and user defined
Synchronization: Automatic re-synchronization process on primary voltage signal
Noise reduction: Automatic stacking number
Computation: Apparent resistivity, chargeability, standard deviation, and % of symetrical Vp
Size: 41 X 33 X 18 cm (16 X 13 X 7 in)
Weight (32 channels): 8.9 kg (19.6 lb)
Enclosure: Heavy-duty Pelican case, environmentally sealed
Serial ports: RS-232 and Bluetooth to communicate with a PDA
Temperature range: -45 to +60°C (-49 to +140°F)
Humidity range: Waterproof

POWER

Power: -12 V rechargeable batteries.
-Standard plug for external battery.

PDA included with GRx8-32

Standard Juniper - Allegro CX mobile PDA computer provided with the GDD receiver with all accessories.
Operating system: Windows CE
Comes with Bluetooth and RS-232

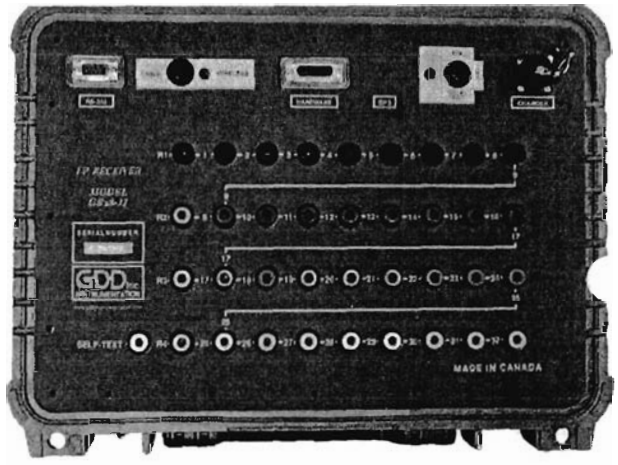
ELECTRICAL CHARACTERISTICS

Ground Resistance: Up to 1.5 MΩ
Signal waveform: Time domain (ON+, OFF, ON-, OFF)
Time base: 0.5, 1, 2, 4 and 8 seconds
Input impedance: 10^4 GΩ
Primary voltage: ±10 uV to ±15 V for any channel
Input: True differential for common-mode rejection in dipole configuration
Voltage measurement: Resolution 1 µV
SP offset adjustment: ± 5 V, automatic compensation through linear drift correction per steps of 150 µV
Filter: Eight-pole Bessel low-pass 15 Hz, notch filter 50 Hz and 60 Hz

↕ **Components included with GDD IP Receiver GRx8-32**

8 Channels →
+8 = 16 Ch. →
+8 = 24 Ch. →
+8 = 32 Ch. →

32 channels GDD GRx8-32 IP Receiver



A	1x	Not shown but included: Receiver
B	1x	Not shown but included: Transportation box
C	1x	GRx8-32 IP receiver wall charger (120-240V)
D		Red cable banana/alligator (8 ch/10x, 16 ch/19x, 24 ch/28x, 32 ch/37x)
E	2x	Black cable banana/alligator
F	1x	Allegro Cx field computer
G	1x	Allegro Cx wall charger (120-240V)
H	1x	Serial communication cable 9 pos. D-SUB female - 9 pos. D-SUB female
I	2x	Serial communication cable 9 pos. D-SUB female - 5 pos. Amphenol male
K	1x	Allegro Cx shoulder strap
L	1x	Allegro Cx hand strap
M	2x	Allegro Cx NIMH battery pack 3000mAh 3.6V
N	1x	Allegro Cx external NIMH 3000mAh 3.6V battery charger (120-240V)
O	1x	Allegro Cx utility CD
P	1x	Allegro Cx AA alkaline battery holder
Q	1x	Charger with 4 AA 2400mAh 1.2V NIMH batteries
R	1x	Allegro Cx USB power dock
S	1x	Allegro Cx USB cable for USB power dock
T	tx	Not shown but included: Instruction manual (Receiver)
U	tx	Not shown but included: Instruction manual (Allegro Cx mobile PDA)

PURCHASE
Can be shipped anywhere in the world.

RENTAL – available in Canada and USA only
Starts on the day the instrument leaves GDD office in Quebec to the day of its return in GDD office. 50% of the rental fees up to a maximum of 4 months can be credited towards the purchased of the rented instrument.

WARRANTY
All GDD instruments are covered by a one-year warranty. All repairs will be done free of charge at our office in Quebec, Quebec, Canada.

SERVICE
If an instrument manufactured by GDD breaks down while under warranty or service contract, it will be replaced free of charge during repairs (upon request and subject to instruments availability).

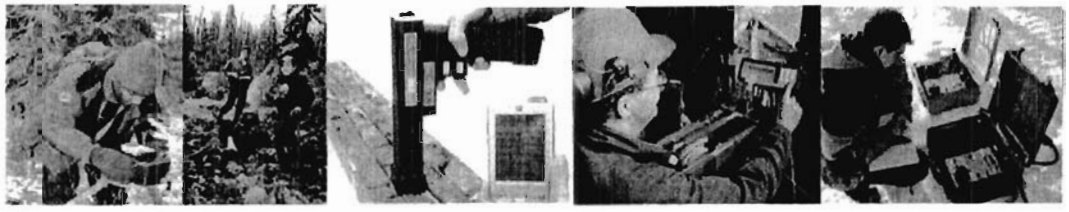
OTHER COSTS
Shipping, insurances, customs and taxes are extra if applicable.

PAYMENT
Checks, credit cards, bank transfer, etc.

INSTRUMENTATION GDD INC.
3700, boul. de la Chaudière, suite 200
Québec (Québec), Canada G1X 4B7
Phone: +1 (418) 877-4249
Fax: +1 (418) 877-4054
E-Mail: gdd@gddinstrumentation.com
Web Site: www.gddinstrumentation.com

Specifications are subject to change without notice
Printed in Quebec, Canada, 2008

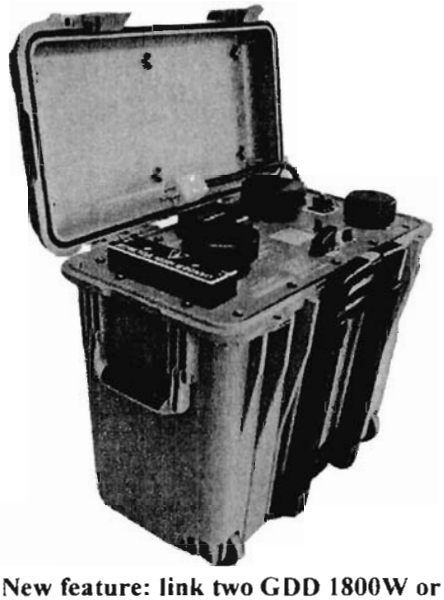
INSTRUMENTATION GDD INC



Canadian Manufacturer of Geophysical Instrumentation since 1976
Sales, Rental, Customer Service, R&D and Field training

Induced Polarization Transmitter

TxIII-1800W-2400V-10A Model



TxII-3600W-2400V-10A Model

New feature: link two GDD 1800W or 3600W IP TX together and double the voltage (4800V) and power .

Its high power combined with its light weight and a Honda generator makes it particularly suitable for dipole-dipole Induced Polarization surveys.

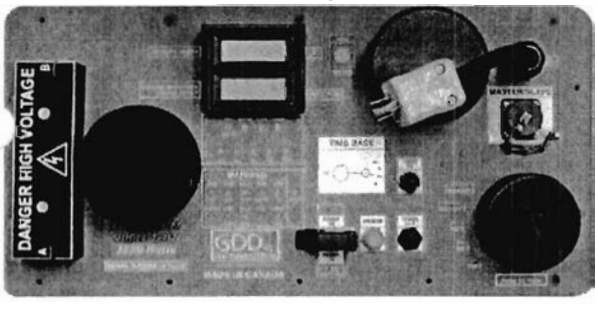
- **Protection against short circuits even at zero (0) ohm**
- **Output voltage range: 150 V – 2400 V / 14 steps**
- **Power source: 120 V – Optional: 220 V, 50 / 60 Hz**
- **Displays electrode contact, transmitting power and current**
- **One-year warranty on parts and labour**

This backpackable 1800 watts Induced Polarization (I.P.) transmitter works from a standard 120 V source and is well adapted to rocky environments where a high output voltage of up to 2400 volts is needed. Moreover, in highly conductive overburden, at 150 V, the highly efficient TxII-1800W transmitter is able to send current up to 10 A. By using this I.P. transmitter, you obtain fast and high-quality I.P. readings even in the worst conditions. Link two GDD 1800 W IP TX together and transmit up to 3600 watts – 4800 volts – 10 amps.

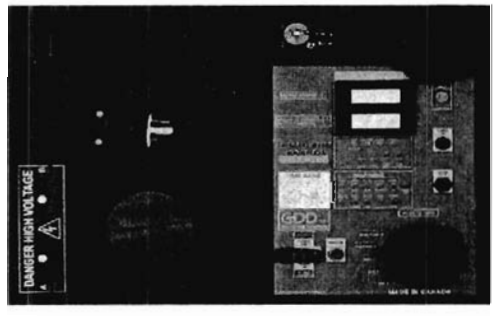
Its high power combined with a Honda generator makes it particularly suitable for pole-dipole Induced Polarization surveys.

- **Protection against short circuits even at zero (0) ohm**
- **Output voltage range: 150 V – 2400 V / 14 steps**
- **Power source: 220 V, 50 / 60 Hz - standard 220 V generator**
- **Displays electrode contact, transmitting power and current**
- **One-year warranty on parts and labour**

This 3600 watts Induced Polarization (I.P.) transmitter works from a standard 220 V source and is well adapted to rocky environments where a high output voltage of up to 2400 volts is needed. Moreover, in highly conductive overburden, at 350 V, the highly efficient TxII-3600W transmitter is able to send current up to 10 A. By using this I.P. transmitter, you obtain fast and high-quality I.P. readings even in the most difficult conditions. Link two GDD 3600 W IP TX together and transmit up to 7200 watts – 4800 volts – 10 amps.



Face plate of the ←1800W and 3600W→ IP Tx



SPECIFICATIONS

TxII-1800W

- Size: 50cm x 30.5cm x 45.7 cm
- Weight: approximately 28 kg
- Operating temperature: -40 °C to 65 °C

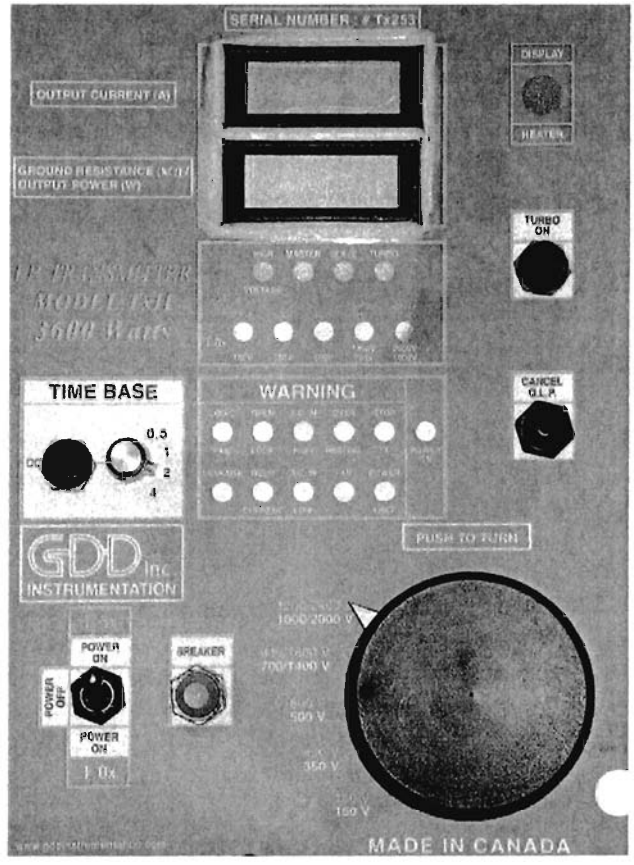
TxII-3600W

- Size: 51 X 41.5 X 21.5 cm – built in transportation box from Pelican
- Weight: approximately 32 kg
- Operating temperature: -40 °C to 65 °C

ELECTRICAL CHARACTERISTICS

TxII-1800W and TxII-3600W

- Standard time base of 2 seconds for time-domain: 2 seconds ON, 2 seconds OFF
- Optional time base: DC, 0.5, 1, 2, 4 or DC, 1, 2, 4, 8 seconds
- Output current range: 0.030 to 10 A (normal operation)
  0.000 to 10 A (cancel open loop)
- Output voltage range: 150 to 2400 V / 14 steps
- Ability to link 2 GDD Tx to double power using optional Master / Slave cable



CONTROLS

TxII-1800W and TxII-3600W

- Power ON/OFF
- Output voltage range switch: 150 V, 180 V, 350 V, 420 V, 500 V, 600 V, 700 V, 840 V, 1000 V, 1200 V, 1400 V, 1680 V, 2000 V, 2400 V

DISPLAYS

TxII-1800W and TxII-3600W – now 2 displays

- Output current LCD: reads to ± 0.0010 A.
- Electrode contact displayed when not transmitting.
- Output power displayed when transmitting.
- Automatic thermostat controlled LCD heater for read-out.
- Total protection against short circuits even at zero (0) ohm.
- Indicator lamps in case of overload:
  -High voltage ON/OFF
  -Generator over or undervoltage
  -Logic fail
  -Output overcurrent
  -Overheating
  -Open Loop Protection

POWER

TxII-1800W

Recommended generator:

- Standard 120 V / 60 Hz backpackable Honda generator
- Suggested models: Honda EU1000iC, 1000 W, 13.5 kg or
  Honda EU2000iC, 2000 W, 21.0 kg

TxII-3600W

Recommended generator :

- Standard 220 V, 50 / 60 Hz Honda generator
- Suggested models: EM3500XK1C, 3500 W, 62 kg or
  EM5000XK1C, 5000 W, 77 kg

DESCRIPTION

TxII-1800W

- Includes shipping box, instruction manual and 110 V plug
- Optional backpackable Tx frame, Master / Slave optional cable

TxII-3600W

- Includes built-in shipping box, instruction manual and 220 V plug
- Optional 220 V extension, Master / Slave optional cable

PURCHASE

Can be shipped anywhere in the world.

RENTAL – available in Canada and USA only

Starts on the day the instrument leaves GDD office in Quebec to the day of its return in GDD office. 50% of the rental fees up to a maximum of 4 months can be credited towards the purchased of the rented instrument.

WARRANTY

All GDD instruments are covered by a one-year warranty. All repairs will be done free of charge at our office in Quebec, Quebec, Canada.

OTHER COSTS

Shipping, insurances, customs and taxes are extra if applicable.

PAYMENT

Checks, credit cards, bank transfer, etc

SERVICE

If an instrument manufactured by GDD breaks down while under warranty or service contract, it will be replaced free of charge during repairs (upon request and subject to instruments availability).

INSTRUMENTATION GDD INC

3700, boul. de la Chaudière, suite 200
Québec (Québec)
Canada G1X 4B7
Phone: +1 (418) 877-4249
Fax: +1 (418) 877-4054
E-Mail: gdd@gddinstrumentation.com
Web Site: www.gddinstrumentation.com

Specifications are subject to change without notice
Printed in Quebec, Canada, 2008