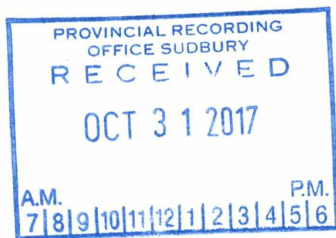


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2-58279

GEOPHYSICAL REPORT
FOR
INTERNATIONAL EXPLORE'S AND PROSPECTOR'S INC
ON THE
MAISONVILLE PROPERTY
MAISONVILLE TOWNSHIP
LARDER LAKE MINING DIVISION
NORTHEASTERN, ONTARIO



Prepared by: J. C. Grant,
October, 2017

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LIST OF FIGURES:	FIGURE 1, LOCATION MAP FIGURE 2, PROPERTY LOCATION MAP FIGURE 3, CLAIM MAP/GRID SKETCH
APPENDICES:	A: INSTRUMENTATION GDD IP SYSTEM
POCKET MAPS:	IP PSEUDO-SECTIONS, LINES 0+00ME, 1:2500 SCALE

INTRODUCTION:

The services of Exsics Exploration Limited were retained by Mr. Bonhomme, on behalf of the Company, International Explorer's and Prospector's Inc., (IEP), to complete an Induced Polarization, (IP), across 1 line that was completed across their claim holdings in Maisonville Township of the Larder Lake Mining Division in northeastern, Ontario.

The grid line generally follows an old access trail that runs southwest across the claim block and lies to the immediate west of Goose Egg Lake. Once the line was established an Induced Polarization, (IP), survey was completed over the entire length.

PROPERTY LOCATION AND ACCESS:

The Maisonville Property is situated approximately 38 kilometers to the southeast of the Town of Matheson. The entire claim block generally represents most of Lots 4 and 5 of Concession 4 of the Township and Goose Egg Lake covers the central northern section of the claim block. Matheson is approximately 65 kilometers east of the City of Timmins. Refer to Figures 1 and 2 of this report.

Access to the grid areas during the survey period was ideal. Highway 101 travels east from Timmins to Matheson. The junction of Highway 11 south runs south from Matheson and heads about 34 kilometers south to the turn off to the village of Bourkes which is east of highway 11 south. A good gravel road runs south from Bourkes for about 5 kilometers to where a turnaround spot is available to off load ATV units. The northern tip of the grid line lies about 700 meters to the south from this turnaround location. Travelling time from Timmins to the grids is about 2.5 hours. Figures 1 and 2.

CLAIM BLOCK:

The claim numbers that were covered by the present geophysical survey were as follows.

3001439, 8 units

4280068, 3 unit

Refer to Figure 3 copied from MNDM Plan Map G-3669 of Maisonville Township for the positioning of the grid line and the claim numbers within the Townships.

PERSONNEL:

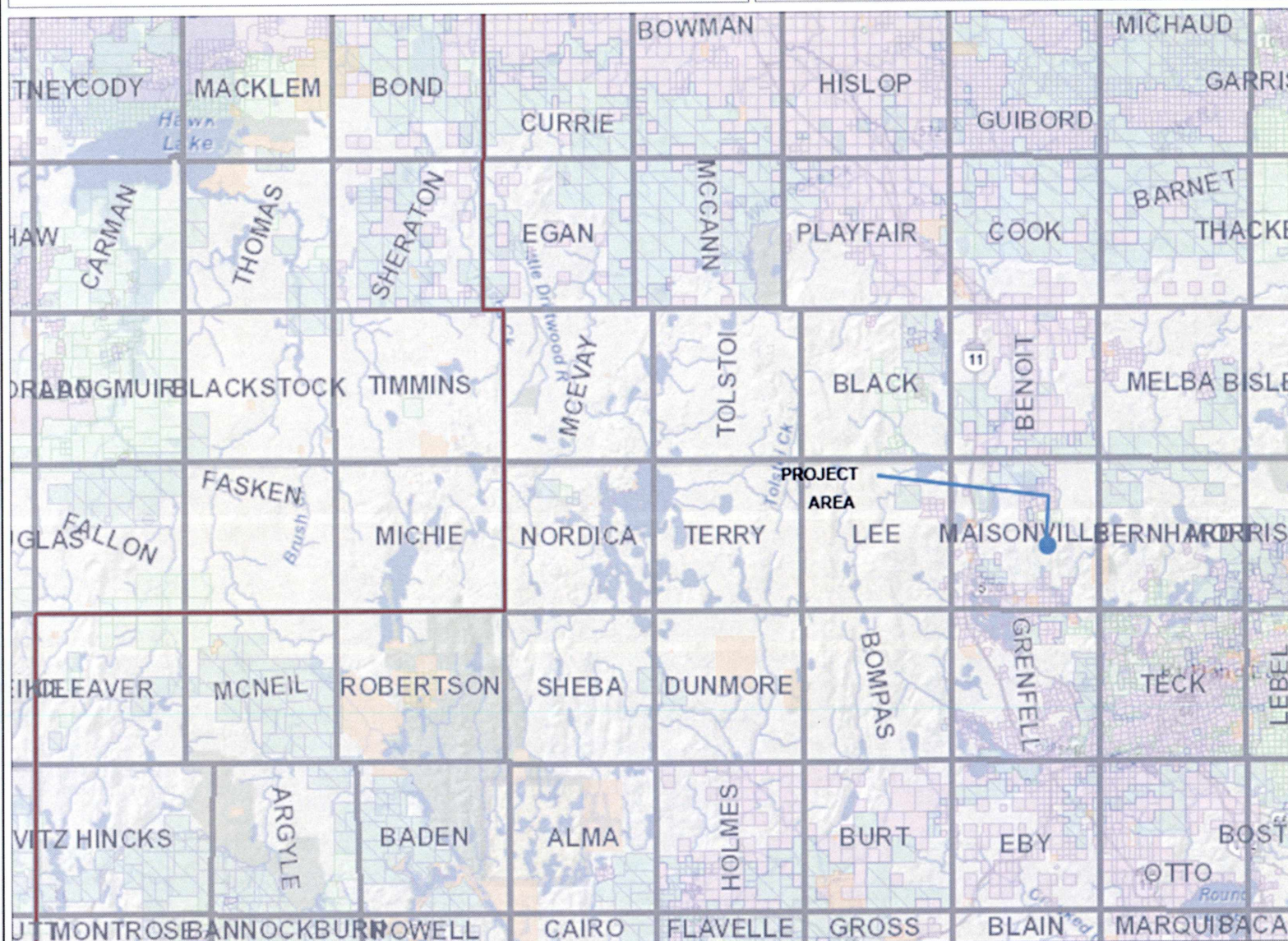
The field crew directly responsible for the collection of all the raw IP data were as follows.

D. J. Gibson	Timmins, Ontario
D. Poirier	Timmins, Ontario
J. Francoeur	Timmins, Ontario
R. Bradshaw	Timmins, Ontario
S. Duhan	Timmins, Ontario



LOCATION MAP FIGURE 2

Notes:
Enter map notes



Legend

Administration Boundaries

- Mining Divisions
- Resident Geologist District
- Townships and Areas
- UTM Grid
- Geographic Lot Fabric
- Other Federal Land

Mineral Tenure Grid

- OMTG Tenure Grid

Alienations

- Withdrawal
- Notice

Unpatented Claim

- Active
- Reconciled
- Pending

Disposition

- Disposition

Disposition Symbols

- Camp
- Disposition Unknown/Pending
- Freehold Patent Mining Rights Only
- Freehold Patent Surface Rights Only
- Freehold Patent Surface and Mining Rights
- Land Use Permit
- Leasehold Patent Mining Rights Only
- Leasehold Patent Surface Rights Only
- Leasehold Patent Surface and Mining Rights
- License of Occupation Mining Use Only
- License of Occupation Surface Use Only
- License of Occupation Surface and Mining Rights
- License of Occupation Uses Not Specified
- Order in Council
- Tower
- WPLA

Geology Layers

- AMIS Sites
- AMIS Features
- Drill Holes
- Mineral Occurrences

0 19.54 km

Projection: Web Mercator

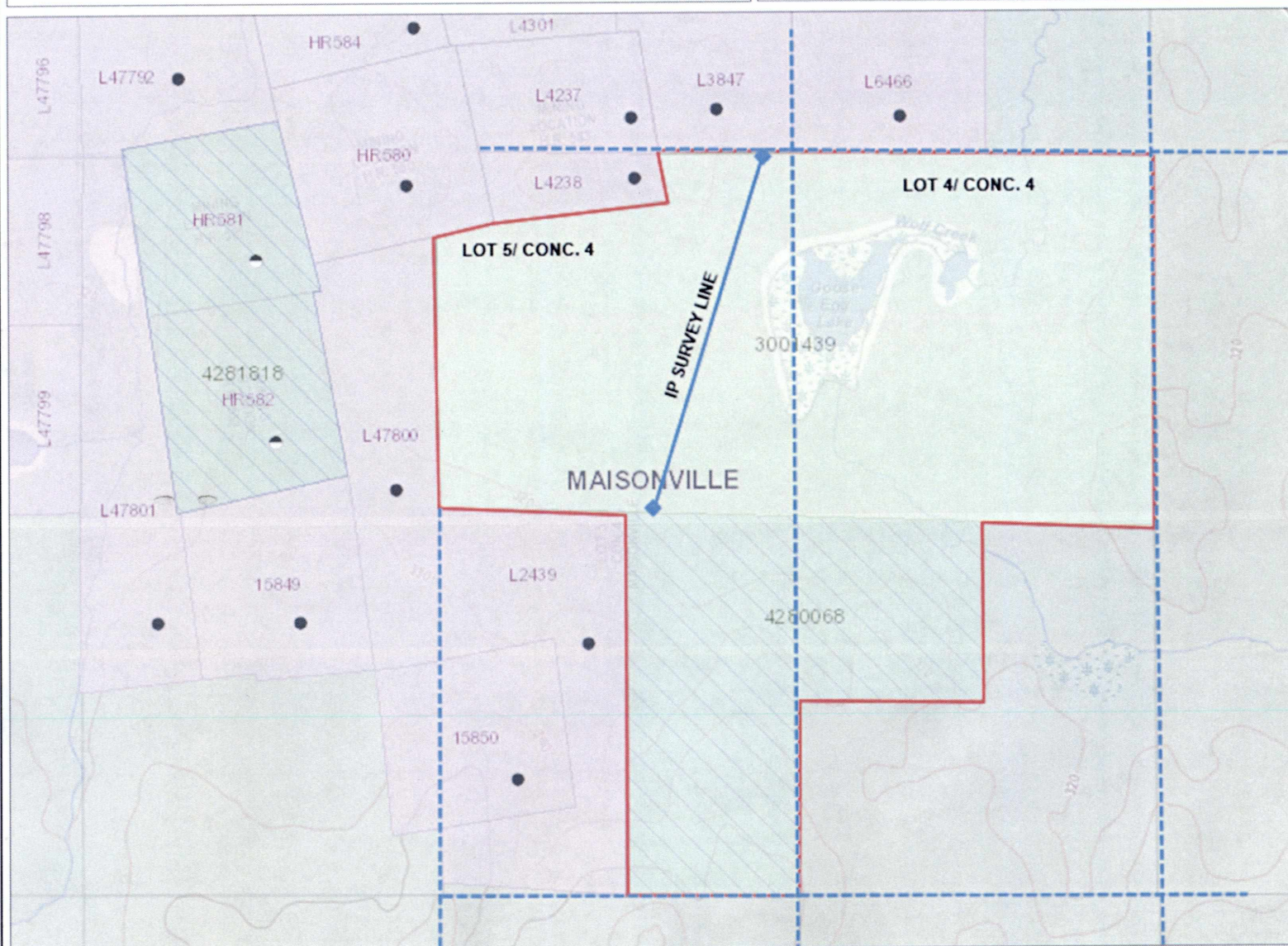
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Legend

- Administration Boundaries**
-  Mining Divisions
 -  Resident Geologist District
 -  Townships and Areas
 -  UTM Grid
 -  Geographic Lot Fabric
 -  Other Federal Land
- Mineral Tenure Grid**
-  CMTQ Grid
- Alienations**
-  Withdrawal
 -  Notice
- Unpatented Claim**
-  Active
 -  Reconciled
 -  Pending
- Disposition**
-  Disposition
- Disposition Symbols**
-  ? Disposition Unknown/Pending
 -  Freehold Patent Mining Rights Only
 -  Freehold Patent Surface Rights Only
 -  Freehold Patent Surface and Mining Rights
 -  Land Use Permit
 -  Leasehold Patent Mining Rights Only
 -  Leasehold Patent Surface Rights Only
 -  Leasehold Patent Surface and Mining Rights
 -  License of Occupation Mining Use Only
 -  License of Occupation Surface Use Only
 -  License of Occupation Surface and Mining Rights
 -  License of Occupation Uses Not Specified
 -  Order in Council
 -  Tower
 -  WPLA
- Geology Layers**
-  AMIS Sites
 -  AMIS Features
 -  Drill Holes
 -  Mineral Occurrences

Projection: Web Mercator

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The program was completed under the direct supervision of J. C. Grant and all of the plotting, interpretation and report was completed by J. C. Grant of Exsics.

GROUND PROGRAM:

The ground program consisted of one grid line approximately 900 meters in length that commenced at the north boundary of the claim group and UTM point 560115E and 5344085N and was completed at the northern boundary of the southern claim block and UTM 559870E and 5343300N. Once this line was established it was then covered by an IP survey using the Instrumentation GDD 3.6 kilowatt transmitter and the 8 channel receiver.

Specifications for these units can be found as Appendix A of this report. The following parameters were kept constant throughout the survey.

IP SURVEY

Station spacing	25 meters
Reading intervals	25 meters
IP method	Time domain
IP array	Pole-Dipole
Delay time	240Ms
Timing	80Ms through 20 windows
Number of electrodes	6 stainless steel
Electrode spacing	25 meters
Parameters measured	Chargeability and Apparent Resistivity

Once the IP survey was completed the data was then plotted as individual line pseudo-sections, one section for each line read. These sections show the contoured results for the collected chargeabilities, resistivities and a calculated metal factor. Interpretations for any and all conductive zones were then put on each section along with corresponding resistivity high correlations.

IP SURVEY RESULTS:

The IP survey was successful in outlining three potential conductive zones across the grid line. The first zone lies between 125MS and 185MS and it correlates to a moderate resistivity high unit. The zone appears to be shallow and possibly lying to the immediate south of a narrow dike like resistivity high at 100MS.

The second zone lies between 450MS and 500MS and it correlates to a resistivity low unit. This zone also appears to be relatively shallow with a possible depth extension on its southern flank.

The third zone lies at the southern end of the grid line commencing at about 750MS and continues off of the grid to the south. This zone appears to be somewhat broader and possibly deeper than the above two zones but further coverage would be needed to the south to better define the extent of the target.

CONCLUSIONS AND RECOMMENDATIONS:


The survey was successful in outlining three potential conductive horizons across the grid line. Historically the area has been covered by HLEM surveys and IP surveys that were successful in outlining 3 potential anomaly horizons that strike northeast to southwest, two that appear to strike southwest from Goose Egg lake and a third that lies to the northwest of the lake and parallels the first two zones.

The current IP survey appears to correlate to all three original zones. The northern IP target seems to correlate to the original HLEM anomaly that lies to the northwest of the lake. The second IP zone may correlate to the western edge of the HLEM zone that strikes southwest from the northern portion of Goose Egg Lake.

The southern IP zone may correlate to the western tip of the main HLEM zone that strike southwest across Goose Egg lake and out to at least 100 to 150 meters southwest of the lake. This last IP zone is somewhat deeper and broader than the first two IP responses and should be followed up further in the event it is outlining a zone that was not detected in the historical surveys.

The grid line should be extended to the southwest to complete the coverage on the southern IP zone and a line should be put on either side of this initial grid line to determine the strike of the target. This follow up work would also help in determining the strike of the northern IP zones as well.

Respectfully submitted

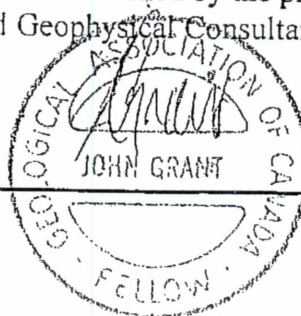

J. C. Grant
October, 2017.

CERTIFICATION

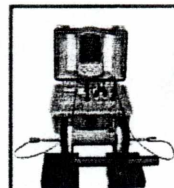
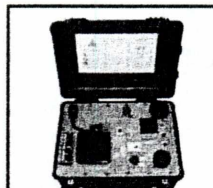
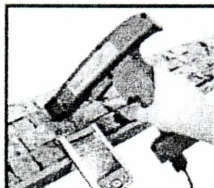
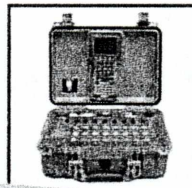
I, John Charles Grant, of 108 Kay Crescent, in the City of Timmins, Province of Ontario, hereby certify that:

- 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

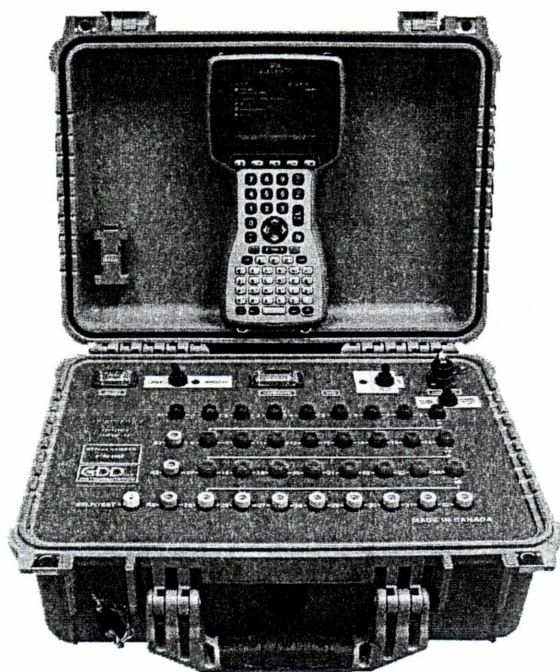


Canadian Manufacturer of Geophysical Instrumentation since 1976
Sales, Rental, Customer Service, R&D and Field training

WWW.GDD.CA

IP Receiver Model GRx8-32

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



FEATURES

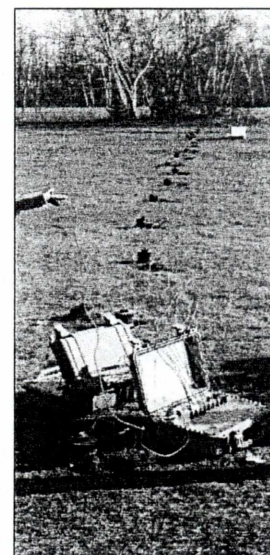
- 8 channels expandable to 16, 24 or 32
- Reads up to 32 ch. simultaneously in poles or dipoles
- PDA menu-driven software / simple to use
- 32 channels configuration allows 3D Survey:
 - 4 lines X 8 channels - 2 lines X 16 channels
 - 1 line X 32 channels
- Link to a PDA by wireless communication or a serial cable
- 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 (10^9)
- 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. Its high ruggedness allows it to work under any field conditions.

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

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: A 4 Go (or more) Compact Flash memory card is used to store the readings. Each reading includes the full set of parameters characterizing the measurements for all channels; the full wave signal for post-treatment processing. The data is stored in flash type memory not requiring any battery power for safekeeping.



New IP Receiver Model GRx8-32 with PDA

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 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.

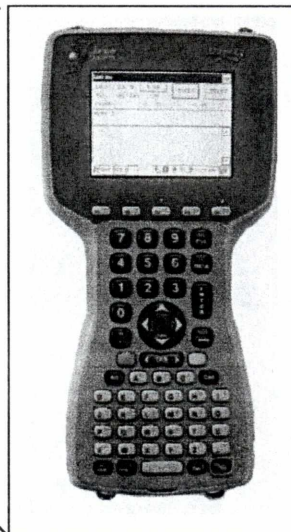
Internal memory: The memory of 64 megabytes can store 64,000 readings. Each reading totalizes one kilobyte and includes the full set of parameters characterizing the measurements on 8 channels. The data is stored in flash memories not requiring any lithium battery for safeguard. The memory can hold many days worth of data. It also stores fullwave form of the signal at each electrode for post-treatment.

Features:

- 8 channels expandable to 16, 24 or 32
- Reads up to 32 ch. simultaneously in poles or dipoles configuration
- 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
- Self-test diagnostic
- 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



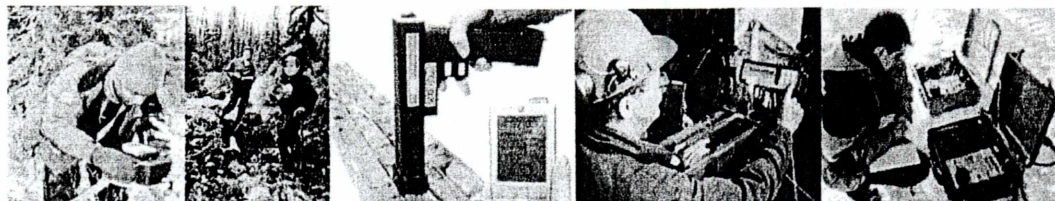
GDD IP Receiver model GRx8-32



PDA included with GRX8-32
Standard Juniper -
Allegro CX mobile PDA



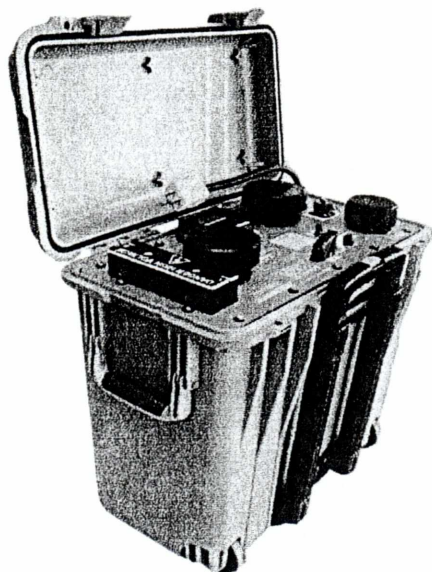
Components included with
GDD IP Receiver GRx8-32



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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.

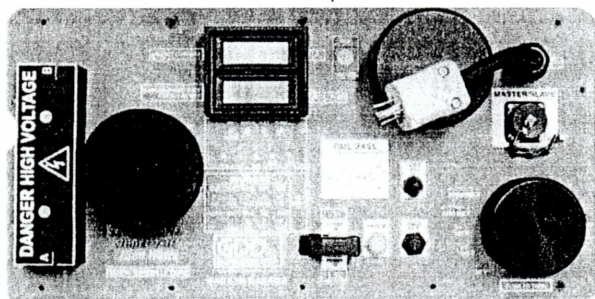
- Protection against short circuits even at zero (0) ohm
- Output voltage range: 150 V – 2400 V / 14 steps
- Power source: 120 V – Optional: 220 V, 50 / 60 Hz
- Displays electrode contact, transmitting power and current
- One-year warranty on parts and labour

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.

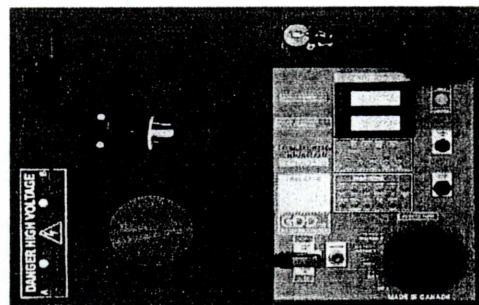
Its high power combined with a Honda generator makes it particularly suitable for pole-dipole Induced Polarization surveys.

- 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

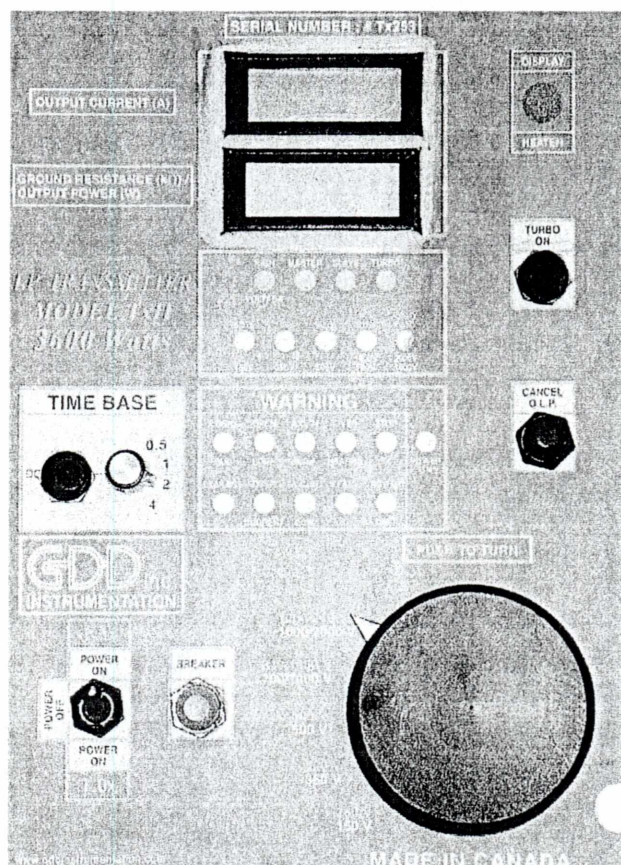
Recommended generator:

- 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

DESCRIPTION

TxII-1800W

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



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

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

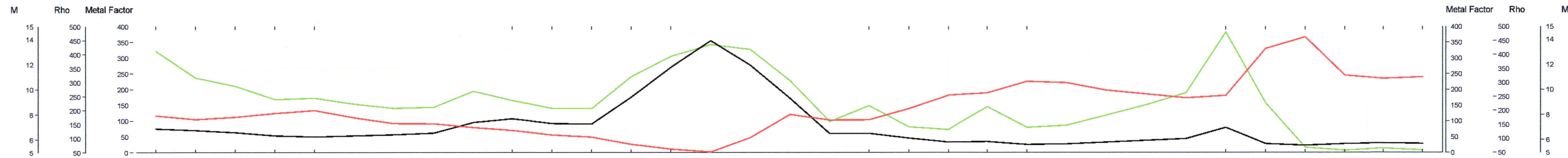
SERVICE

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).

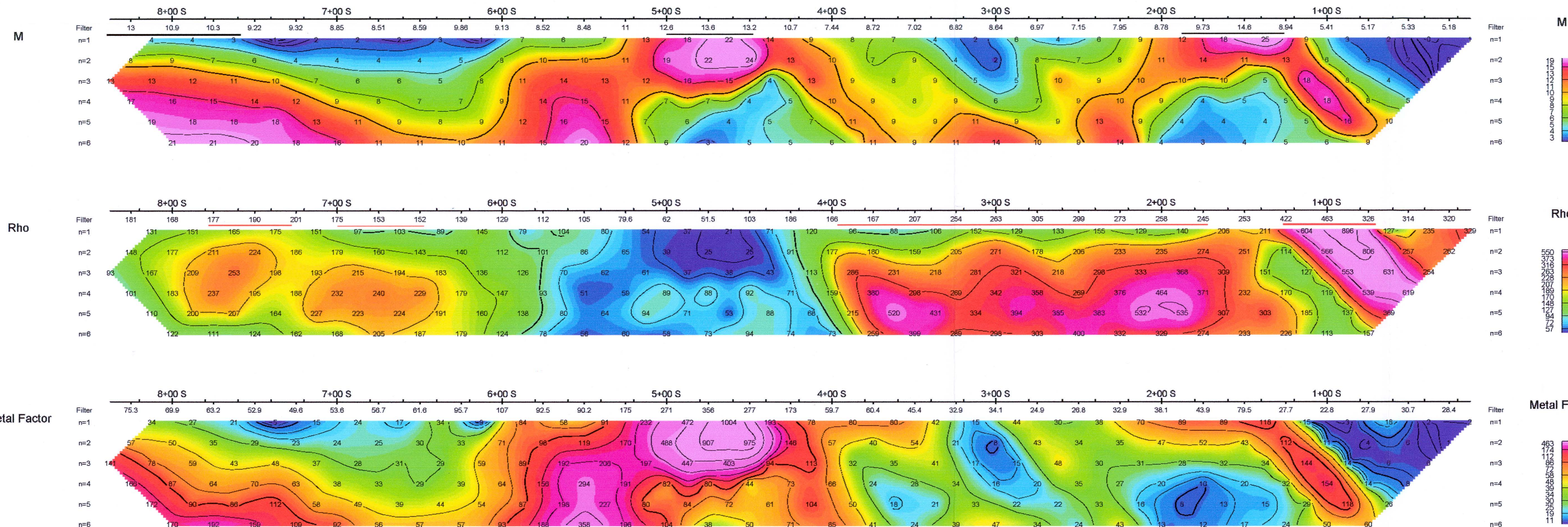
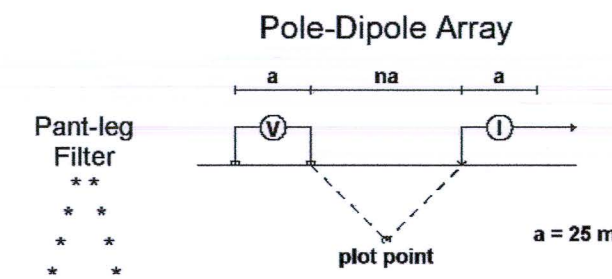


3700, boul. de la Chaudière, suite 200
Québec (Québec)
Canada G1X 4B7
Phone: +1 (418) 877-4249
Fax: +1 (418) 877-4054
E-Mail: gdd@gddinstrumentation.com
Web Site: www.gddinstrumentation.com

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



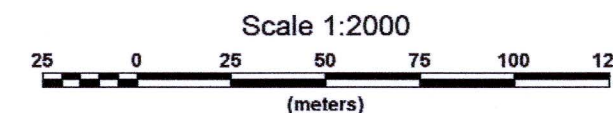
Pseudo Section Plot LINE 0+00



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- Low resistivity feature.
- High resistivity feature.



INTERNATIONAL EXPLORERS & PROSPECTORS INC.

INDUCED POLARIZATION SURVEY
MAISONVILLE PROJECT
LINE 0+00

Date: 29/10/2017
Interpretation: J. C. GRANT

EXSICS EXPLORATION LIMITED