



32L04SW2002 2.18702 WEST OF SUNDAY
LAKE

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GEOPHYSICAL REPORT

INDUCED POLARIZATION

MAGNETOMETER SURVEY

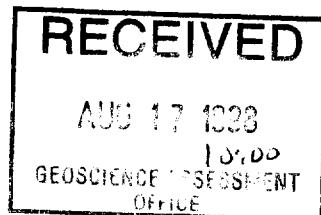
DETOUR DN-1 PROPERTY

LOCATED IN

WEST SUNDAY LAKE AREA, ONTARIO

for

PELANGIO LARDER MINES LIMITED



AC

Submitted by: R.J. Meikle
Geophysical Engineering & Surveys Inc.
Dec., 1997



32L04SW2002 2.18702 WEST OF SUNDAY LAKE

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INTRODUCTION

This report deals with the logistics and interpretation of a Magnetometer and I.P. Survey on the Detour DN-1 Property, located in the West Sunday Lake Area, Ontario.

The surveys were carried out on a contract basis by Rayan Exploration Ltd, Timmins, Ontario, for Pelangio Larder Mines Inc.

PROPERTY LOCATION AND ACCESS

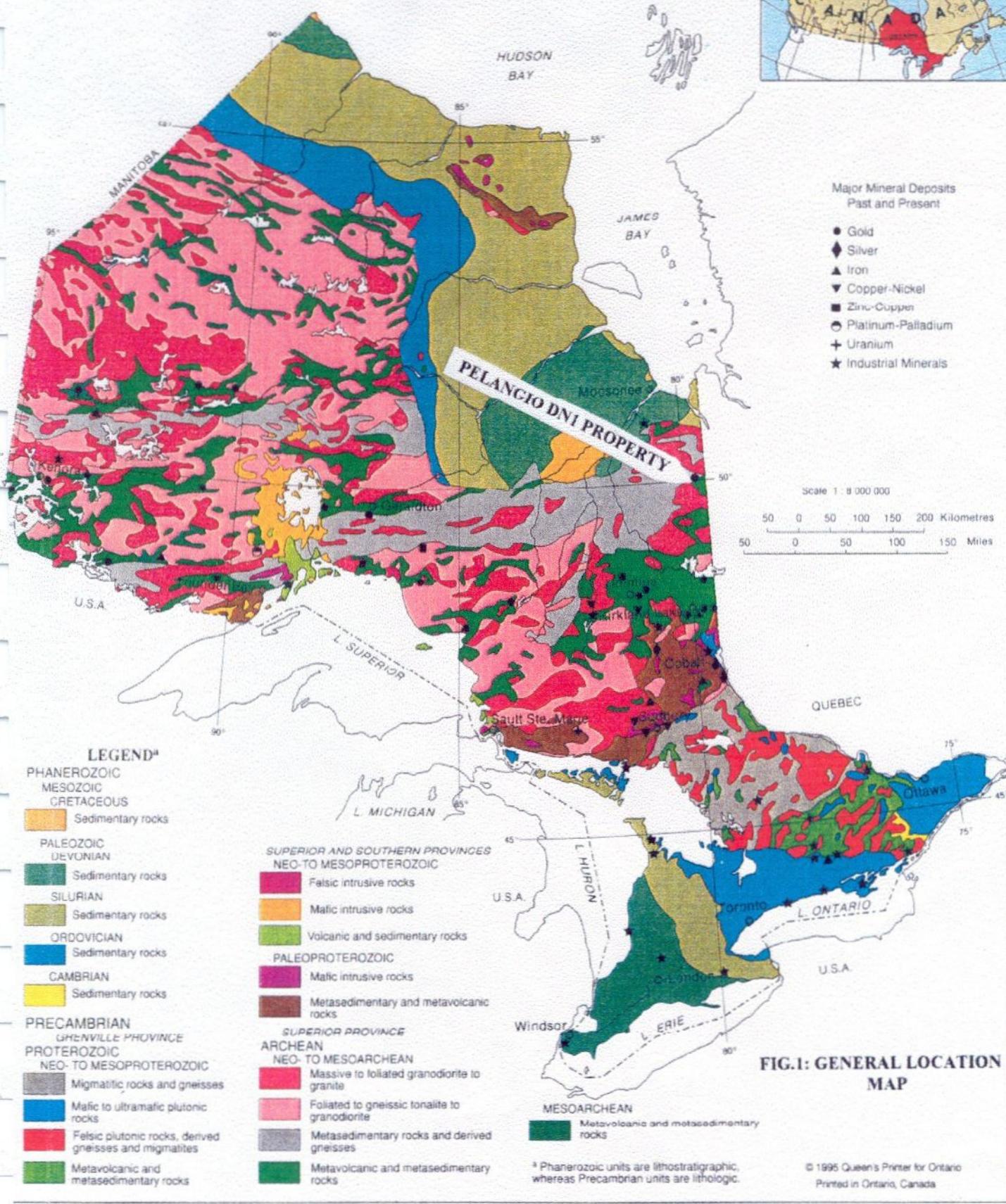
The present DN1 claim block consists of four contiguous claims comprised of 22 units. This project is located in the West of Sunday Lake Area of Northern Ontario, approximately 190 road kilometers northwest of Iroquois Falls, Ontario or approximately 10km northeast of the Detour Lake Mine Site. (Figs. 1 & 2).

PERSONNEL

The Magnetometer and I.P. Surveys were carried out by the following personnel:

R. Meikle.....Timmis, Ontario
L. Anderson.....Timmis, Ontario
M. Chouinard.....Timmis, Ontario
J. Dubroy.....Timmis, Ontario
J. Peterson.....Timmis, Ontario
J. Hussey.....Timmis, Ontario

GEOLOGY AND PRINCIPAL MINERALS OF ONTARIO



PROPERTY HISTORY

Assessment file data and O.G.S. Report 199 show that the Detour Lake Area has been actively explored for both base metals and gold since the late 1950's. A renewed exploration effort was initiated with the discovery of gold at the Detour Lake Mine in 1978.

The subject property was owned and explored previously by both Noranda Exploration and Dome Exploration. The work done by Noranda and Dome is documented as follows:

Noranda Exploration (Asses. File T-1697):

In 1967 Noranda Exploration cut a control grid over the majority of the current subject property. They utilized this grid to carry out a vertical loop electromagnetic survey and magnetic survey. Noranda outlined a number of weak anomalies, but no drilling was carried out on these zones. The ground was allowed to lapse.

Dome Exploration (Asses. File T-2349):

In 1983 Dome carried out an electromagnetic survey and magnetic survey over the entire current subject property. Dome also drilled a single hole in what is now the central portion of claim 1212940. No significant gold mineralization was detected and the ground was allowed to lapse.

GENERAL AREA AND PROPERTY GEOLOGY

The last geological report and map of the Detour Lake Area was published by G.W. Johns(1982) on behalf of the Ontario Geological Survey (Report 199). A substantial amount of work has been carried out in the Detour Lake Area since this report was published. This work includes extensive diamond drilling and airborne geophysical surveys. This author has taken data from assessment files showing this information and incorporated it into the data base provided by Johns. A modified version of Johns original geological map is shown in the accompanying Fig. 2A. This map provides a reasonable representation of the basic rock types and structure in the Detour Lake Area.

According to Johns(1982) the Detour Lake Area is part of the Early Precambrian Abitibi Belt of the Superior Province.

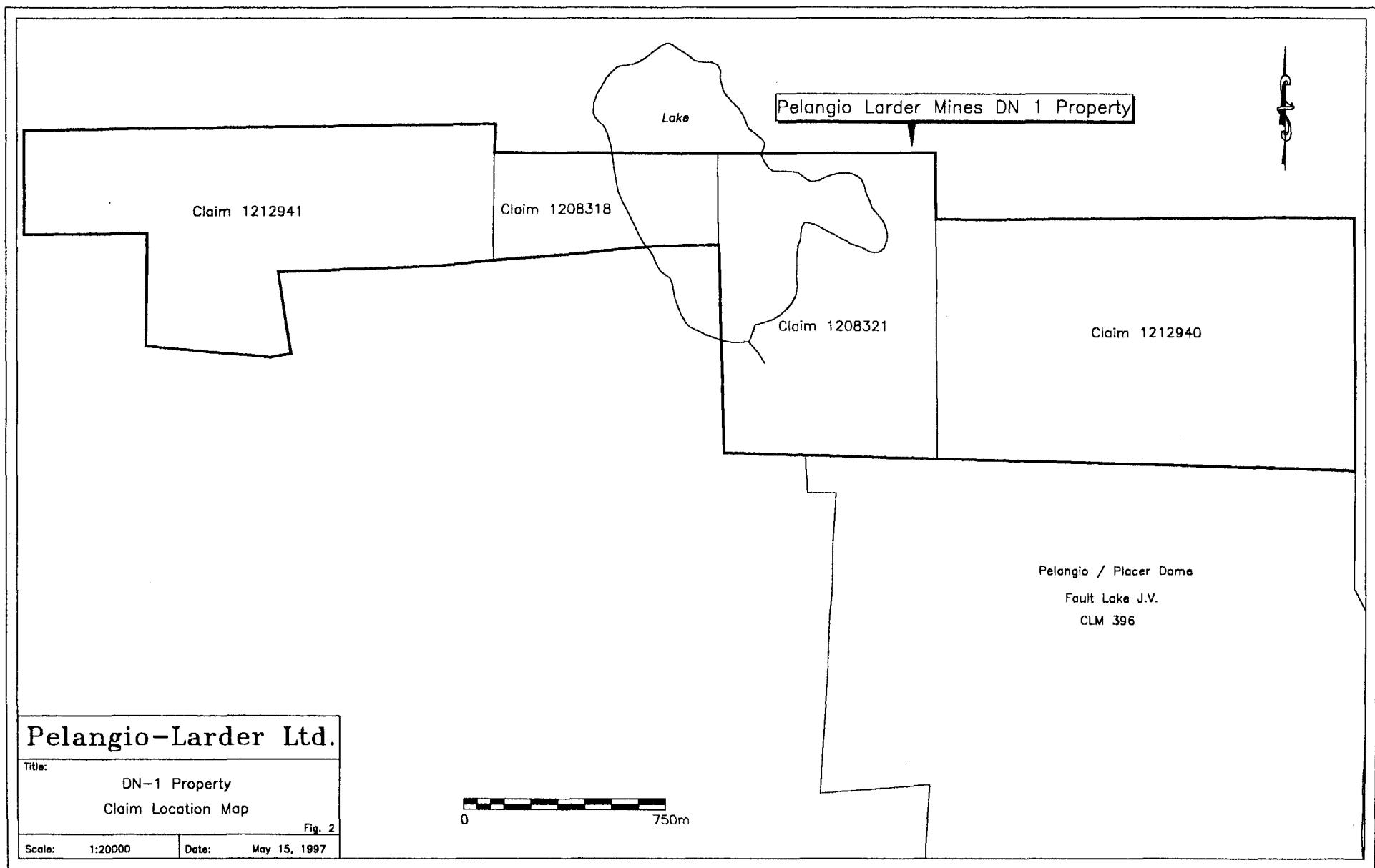
Johns has interpreted the lowest unit in the metavolcanic-metasedimentary sequence to be the felsic to intermediate metavolcanics. This unit appears to be overlain by a thin clastic metasedimentary unit which is in turn overlain by mafic to intermediate flows and pyroclastics. Lastly, Johns suggests that the mafics are overlain by a generalized unit containing in decreasing abundance; intermediate to felsic metavolcanics, mafic to intermediate metavolcanics and fine grained metasediments. This generalized sequence grades laterally to the northwest into metasediments which may have some mafic metavolcanic flows within the package. Within this generalized capping sequence, graphitic tuffs and metasediments, commonly with large amounts of associated sulphide mineralization, are common.

This volcanic sequence has been intruded by various intrusives ranging in composition from ultramafic to felsic. All of the aforementioned units were intruded by late diabase dykes.

Some general information on structure in the Detour Lake Area is also shown in the accompanying map. The most prominent feature is a major syncline axis running parallel to the strike of the sedimentary package in the central portion of Fig.2A. Further, work by Placer Dome and Newmont has shown that the greenstone belt extends further to the west. There is another sedimentary package here that makes up the centre of another syncline. Exploration work by Placer has shown that there are also two major deformation zones which strike parallel or subparallel to the main metasedimentary-metavolcanic contact as shown in Fig. 2A. These have been designated the Sunday Lake Deformation Zone and The Lower Detour Lake Deformation Zone.

The metavolcanic and metasedimentary rocks that underlie this area have undergone regional and contact metamorphism that ranges from upper greenschist to almandine-amphibolite facies rank.

From the general geology map Fig.2A the reader can see that the DN1 property lies along the extreme northern extremity of the greenstone belt. Like the vast majority of the Detour Lake Area this prospect has little to non existent rock exposure, due to an extensive layer of glacial debris and muskeg. Limited drilling, and geophysical information suggest that all of the DN1 property is underlain by metavolcanics and metasediments with the exception of the extreme NE portion of the property. The NE portion of the property is underlain by a portion of a large felsic batholith which surrounds most of the greenstone belt at Detour.



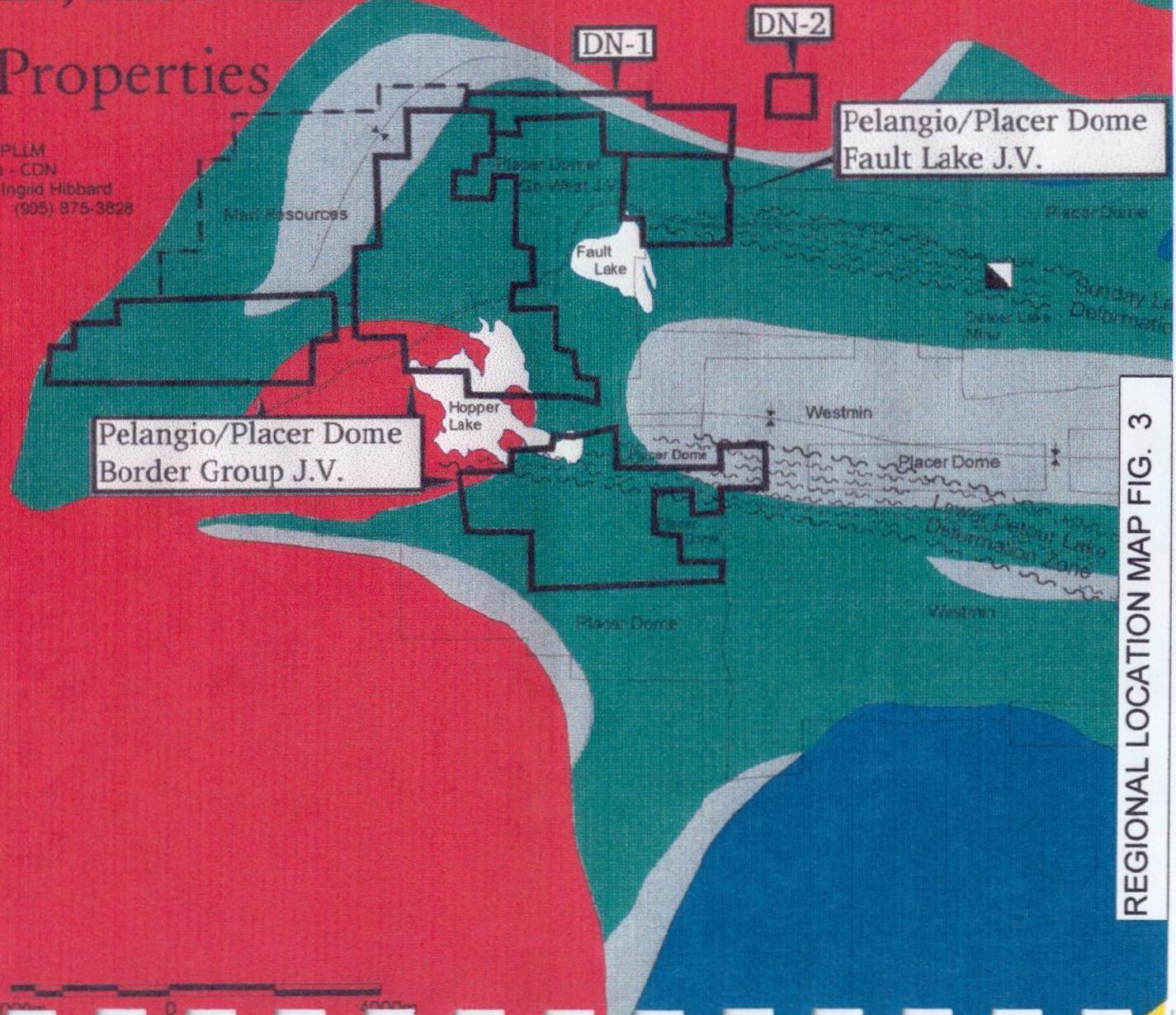
Pelangio

Pelangio - Larder Mines, Limited

Detour Lake Properties

Pelangio-Larder Mines, Ltd.
Cedar Hill, Connaught, ON
Canada N0N 1AO
Tel. (705) 363-3100
Fax. (705) 363-2169

Symbol - PLUM
Exchange - CDN
Contact: Ingrid Hibbard
(905) 875-3828



REGIONAL LOCATION MAP FIG. 3

SURVEY PARAMETERS

Magnetometer Survey:

A total of 32 Km of Total Field Magnetometer Survey was carried out on grid lines

The following is a brief description of the Geophysical Survey Method used:

A GSM-19 Proton Precession Magnetometer was used to carry out the magnetometer survey. The instrument is synchronized with a GSM-19 recording base station to help eliminate magnetic diurnal variation. This should ensure an accuracy of less than 10 Nt.

The Proton Precession method involves energizing a wire coil immersed in a hydrocarbon fluid. This causes the protons in the proton rich fluid to spin or precess simulating spinning magnetic dipoles. When the current is removed the protons precess about the direction of the earth's magnetic field, generating a signal in the same coil which is proportional to the total magnetic field intensity. In this way, the horizontal gradient of the earth's magnetic field can be measured and plotted in plan form with values of equal intensity joined to form a contour map.

This presentation is useful in correlating with other data sets to aid in structural interpretation. Individual magnetic responses can be interpreted for dip, depth and width estimates after profiling the data. The following parameters were employed for the survey:

Instrument - GSM-19 Proton Magnetometer
Station Interval - 12.5m, Line Interval - 100m
Diurnal Correction Method - GSM-19 Recording Base Station
Data Presentation - Magnetic Data Posting and Contour Map
- 1:5000

Induced Polarization Survey

The following is a brief description of the I.P. method and the parameters used for the survey:

The IP method involves applying voltage across two electrodes in a pulsed manner i.e. 2 seconds on, 2 seconds off. A second "dipole" or electrode pair, measures the residual potential or voltage between them after the voltage is shut off or during the 2 second off cycle. The potential is recorded at different times after the shut off. If, for example, there is sulphide mineralization within the measuring dipoles, they will be polarized or charges set up on the sulphide particles. This polarization gives the zone a capacitor effect, thereby blocking the current delay giving a higher chargeability reading.

A typical signature for many gold showings would be a chargeability high, resistivity high and magnetic low. This would be characteristic of a mineralized, highly altered carbonated and/or silicified zone. However, this is by no means the only geological setting for gold, therefore every profile should be looked at individually and correlated with all other geophysical-geological data.

Electrode Array

The electrode array used for the survey was the Pole-Dipole Array. In this array, one current electrode (C1) and two receiver or potential electrodes (P1,P2), are moved down a line in unison. A second current electrode (C2), is placed normal to the expected strike direction an infinite distance away, at least one km. The two current electrodes are hooked up to a motor-generator and a current applied across them, usually less than 3 amperes. The applied voltage is pulsed in a 2 second on, 2 second off pattern controlled by the transmitter.

Thus we have a single pole current electrode following a pair or dipole of potential electrodes moving down the line. The advantage of this "Pole-Dipole" array over the "Dipole-Dipole" array is a deeper current pattern between the infinite and moving current electrode, resulting in better penetration of conductive overburden. Also, this array is considerably faster in areas of high electrode contact impedance due to frozen and or rocky ground conditions because only one current electrode placement is needed for each reading. A disadvantage of the "Pole-Dipole" array is a slightly more ambiguous interpretation due to the assymetry of the array.

The distance between the potential electrodes is fixed, usually 25 or 50 meters and this is called the "a" spacing. When the potential dipole is positioned with one "a" spacing between the C1 and the nearest P1, it is called a "N=1" reading with a theoretical plot point at the intersection of a 45 degree line drawn down in a section format from the C1 and nearest P1. When this N=1 reading is finished, the C1 remains stationary and the P1P2 dipole moves ahead one "a" spacing and a N=2 reading is obtained. Using the above plot convention it can be seen that the plot point is now further from the C1 and deeper. This is repeated for as many "N" readings as desired.

I.P. Survey Parameters

The IP survey was carried out using the following parameters:

Method: Time Domain

Electrode Array: Pole-Dipole

"a" spacing: 25 meters

Number of Dipoles Read: 1-4 inclusive

Pulse Duration: 2 seconds on, 2 seconds off

Delay Time: 310 milliseconds

Integration Time: 140 milliseconds

Receiver: Scintrex IPR-12

Transmitter: Scintrex TSQ-3 3KVA.

Data Presentation:

Psuedosections, plates 1-3, 1:2500

Contoured Fraser Filtered Chargeability plan map

Contoured Fraser Filtered Resistivity plan map

SURVEY RESULTS

Magnetometer Survey

The Magnetometer Survey indicates a relatively uniform magnetic susceptibility over the grid with the southeast corner having a slightly lower background. Exceptions to this are several prominent linear grid east-west striking magnetic anomalies, two of which appear to be coincident with I.P. Anomalies 'A' and 'C', described under I.P. Results.

The magnetic response associated with I.P. Anomaly 'A' is a narrow, linear response from L2e/625s - L3e/625s. A follow up drill program to the current surveys, reported pyrrhotite mineralization which explains the anomaly.

There is a narrow weak magnetic high coincident with Anomaly 'C' on L14e - L16e. This anomaly is still unexplained.

I.P. Survey

The I.P. Survey was carried out on all of or parts of Lines 3w - 18e. The survey outlined several I.P. Anomalies, the more prominent ones labelled 'A' - 'D' on the plan, filtered, chargeability map. They are described below:

Anomaly 'A'

- L2e/612s - L4e/620s, open to the east and west.
- approx. 2x chargeability background, resistive.
- narrow, weak, coincident mag on L2e, L3e, described above.

Anomaly 'B'

- L3w/500s - L7e/500s, open to the east and west.
- approx. 4-5x chargeability background.
- resistivities are lower than background along strike but are noticeably higher on L2e and L3e.

Anomaly 'C'

- L14e/550n - L17e/550n, open to the east.
- chargeability approx. 2-3x background, resistive.
- coincident magnetic correlation on L14e, L15e, L16e.

Anomaly 'D'

- L12e/75n - L16e/125n.
- broad, weakly chargeable, resistive anomaly.
- indicative of a bedrock ridge.

CONCLUSIONS AND RECOMMENDATIONS

Follow up drilling of I.P. Anomaly 'A' and 'B' indicated highly anomalous gold values associated with Anomaly 'B'. This anomaly was only drill tested on L2e and L3e and should be drilled along strike in both directions.

Anomaly 'C' is somewhat similar to 'A' and 'B' with a coincident magnetic correlation. The anomaly has a slightly lower chargeability background and is more resistive. It is apparently untested and as such should be a priority drill target.

Anomaly 'D' could possibly be caused by a bedrock ridge but should be explained to determine this. During the course of the I.P. Survey, it was reported that the electrodes may have hit bedrock within five feet of surface. This anomaly may be able to be trenched by a backhoe.

CERTIFICATION

I, Raymond Joseph Meikle of Timmins, Ontario hereby certify that:

1. I hold a three year Technologist Diploma from the Haileybury School of Mines, Haileybury, Ontario, obtained in May 1975.

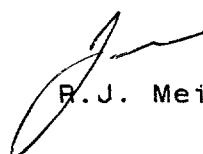
2. I have been practising my profession since 1973 in Ontario, Quebec, Nova Scotia, New Brunswick, Newfoundland, NWT, Manitoba, Germany and Chile.

3. I have been employed directly with Teck Corporation, Metallgessellschaft Canada Ltd. Sabina Industries, R.S. Middleton Exploration Services Ltd., self employed 1979-1996 (Rayan Exploration Ltd.) and currently with Geophysical Engineering and Surveys Inc.

4. I have based conclusions and recommendations contained in this report on knowledge of the area, my previous experience and on the results of the field work conducted on the property during 1997.

5. I hold no interest, directly or indirectly in this property, nor do I expect to receive any interest or considerations other than professional fees for services rendered.

Dated this 10th day of Mar., 1998
at Timmins, Ontario.


R.J. Meikle

APPENDIX A
SCINTREX IPR-12 RECEIVER

SCINTREX

IPR-12 Time Domain Induced Polarization/Resistivity Receiver

Brief Description

The IPR-12 Time Domain IP/Resistivity Receiver is principally used in exploration for precious and base metal mineral deposits. In addition, it is used in geoelectrical surveying for groundwater or geothermal resources, often to great depths. For these latter targets, the induced polarization measurements may be as useful as the high accuracy resistivity results since it often happens that geological materials have IP contrasts when resistivity differences are absent.

Due to its integrated, lightweight, microprocessor based design and its large, 16 line display screen, the IPR-12 is a remarkably powerful, yet easy to use instrument. A wide variety of alphanumeric and graphical information can be viewed by the operator during and after the taking of readings. Signals from up to eight potential dipoles can be measured simultaneously and recorded in solid-state memory along with automatically calculated parameters. Later, data can be output to a printer or a PC (direct or via modem) for processing into profiles and maps.

The IPR-12 is compatible with Scintrex IPC and TSQ Transmitters, or others which output square waves with equal on and off periods and polarity changes each half cycle. The IPR-12 measures the primary voltage (V_p), self potential (SP) and time domain induced polarization (Mi) characteristics of the received waveform. Resistivity, statistical and Cole-Cole parameters are calculated and recorded in memory with the measured data and time.

Scintrex has been active in induced polarization research, development, manufacturing, consulting and surveying for over thirty years. We offer a full range of instrumentation, accessories and training.



The IPR-12 Receiver measures spectral IP signals from eight dipoles simultaneously then records measured and calculated parameters in memory.

Benefits

Speed Up Surveys

The IPR-12 saves you time and money in carrying out field surveys. Its capacity to measure up to eight dipoles simultaneously is far more efficient than older receivers measuring a single dipole. This advantage is particularly valuable in drillhole logging where electrode movement time is minimal.

The built-in, solid-state memory records all information associated with a reading, dispensing with the need for any hand written notes. PC compatibility means rapid electronic transfer of data from the receiver to a computer for rapid data processing.

Taking a reading is simple and fast. Only a few keystrokes are virtually needed

since the IPR-12 features automatic circuit resistance checks, SP buckout and gain setting.

High Quality Data

One of the most important features of the IPR-12 in permitting high quality data to be acquired, is the large display screen which allows the operator easy real time access to graphic and alphanumeric displays of instrument status and measured data. The IPR-12 ensures that the operator obtains accurate data from field work.

The number and relative widths of the IP decay curve windows have been carefully chosen to yield the transient information required for proper interpretation of spectral IP data. Timings are selectable to permit a very wide range of responses to be measured.

APPENDIX B
SCINTREX TSQ-3 TRANSMITTER

SCINTREX

TSQ-3

3000 W

**Time and Frequency
Domain IP and
Resistivity Transmitter**

Function

The TSQ-3 is a multi-frequency, square wave transmitter suitable for induced polarization and resistivity measurements in either the time or frequency domain. The unit is powered by a separate motor-generator.

The favourable power/weight ratio and compact design of this system make it portable and highly versatile for use with a wide variety of electrode arrays. The medium range power rating is sufficient for use under most geophysical conditions.

The TSQ-3 has been designed primarily for use with the Scintrex Time Domain and Frequency Domain Receivers, for combined induced polarization and resistivity measurements, although it is compatible with most standard time domain and frequency domain receivers. It is also compatible with the Scintrex Commutated DC Resistivity Receivers for resistivity surveying. The TSQ-3 may also be used as a very low frequency electromagnetic transmitter.

Basically the transmitter functions as follows. The motor turns the generator (alternator) which produces 800 Hz, three phase, 230 V AC. This energy is transformed upwards according to a front panel voltage setting by a large transformer housed in the TSQ-3. The resulting AC is then rectified in a rectifier bridge. Commutator switches then control the DC voltage output according to the waveform and frequency selected. Excellent output current stability is ensured by a unique, highly efficient technique based on control of the phase angle of the three phase input power.

Features

Current outputs up to 10 amperes, voltage outputs up to 1500 volts, maximum power 3000 VA.

Solid state design for both power switching and electronic timing control circuits.

Circuit boards are removable for easy servicing.

Switch selectable wave forms: square wave continuous for frequency domain and square wave interrupted with automatic polarity change for time domain.

Switch selectable frequencies and pulse times.

Overload, underload and thermal protection for maximum safety.

Digital readout of output current.

Programmer is crystal controlled for very high stability.

Low loss, solid state output current regulation over broad range of load and input voltage variations.

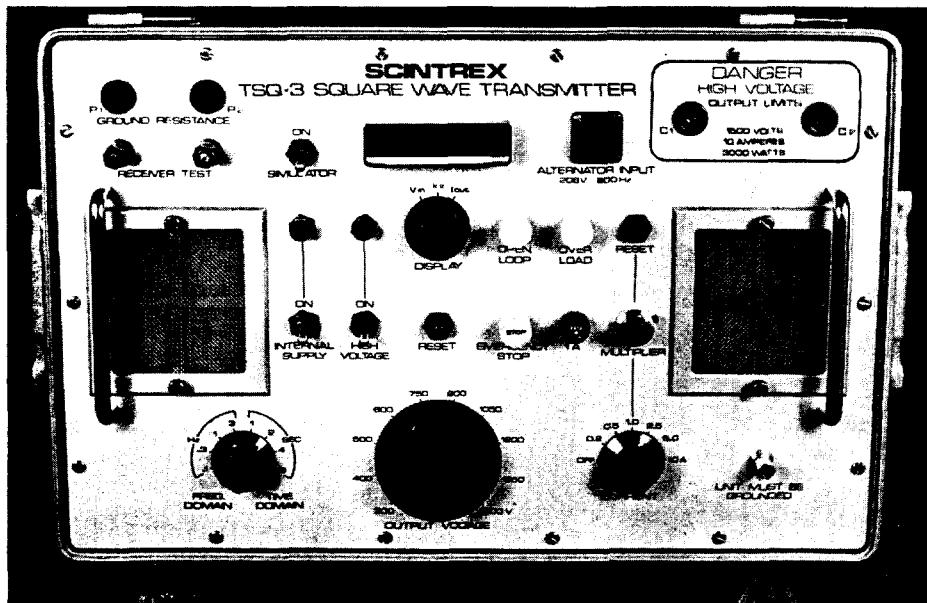
Rectifier circuit is protected against transients.

Excellent power/weight ratio and efficiency.

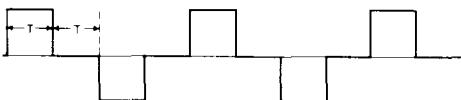
Designed for field portability; motor-generator is installed on a convenient frame and is easily man-portable. The transmitter is housed in an aluminum case.

The motor-generator consists of a reliable Briggs and Stratton four stroke engine coupled to a brushless permanent magnet alternator.

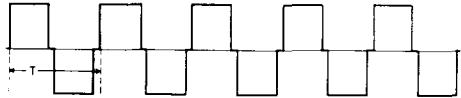
New motor-generator design eliminates need for time domain dummy load.



Time Domain: $T = 1, 2, 4 or 8 seconds, switch selectable$



Frequency Domain: $T = \frac{1}{f}$ and $f = 0.01, 0.3, 1.0 or 3.0 Hz$



Waveforms output by the TSQ-3

**Technical
Description of
TSQ-3/3000W
Time and Frequency Domain
IP and Resistivity Transmitter**



TSQ-3 transmitter with portable motor generator unit

SCINTREX

222 Snidercroft Road
Concord Ontario Canada
L4K 1B5

Telephone: (416) 669-2280
Cable: Geoscint Toronto
Telex: 06-964570

Geophysical and Geochemical
Instrumentation and Services

Transmitter Console	
Output Power	3000 VA maximum
Output Voltages	300, 400, 500, 600, 750, 900, 1050, 1200, 1350 and 1500 volts, switch selectable
Output Current	10 amperes maximum
Output Current Stability	Automatically controlled to within $\pm 0.1\%$ for up to 20% external load variation or up to $\pm 10\%$ input voltage variation
Digital Display	Light emitting diodes permit display up to 1999 with variable decimal point; switch selectable to read input voltage, output current, external circuit resistance. Dual current range, switch selectable
Absolute Accuracy	$\pm 3\%$ of full range
Current Reading Resolution	10 mA on coarse range (0-10A) 1 mA on fine range (0-2A)
Frequency Domain Waveform	Square wave, continuous with approximately 6% off time at polarity change
Frequency Domain Frequencies	Standard: 0.1, 0.3, 1.0 and 3.0 Hz, switch selectable Optional: any number of frequencies in range 0 to 5 Hz.
Time Domain Cycle Timing	t:t:t:1:on:off:on:off;automatic
Time Domain Polarity Change	each 2t; automatic
Time Domain Pulse Durations	Standard: t = 1, 2, 4 or 8 seconds Optional: any other timings
Time and Frequency Stability	Crystal controlled to better than .01%
Efficiency	.78
Operating Temperature Range	-30°C to +50°C
Overload Protection	Automatic shut-off at 3300 VA
Underload Protection	Automatic shut-off at current below 75mA
Thermal Protection	Automatic shut-off at internal temperature of +85°C
Dimensions	350 mm x 530 mm x 320 mm
Weight	25.0 kg.
Power Source	
Type	Motor flexibly coupled to alternator and installed on a frame with carrying handles.
Motor	Briggs and Stratton, four stroke, 8 H.P.
Alternator	Permanent magnet type, 800 Hz, three phase 230 V AC
Output Power	3500 VA maximum
Dimensions	520 mm x 715 mm x 560 mm
Weight	72.5 kg
Total System	
Shipping Weight	150 kg includes transmitter console, motor generator, connecting cables and re-usable wooden crates

APPENDIX C
GSM - 19 MAGNETOMETER

INSTRUMENT SPECIFICATIONS

MAGNETOMETER / GRADIOMETER

Resolution:	0.01 nT (gamma), magnetic field and gradient.
Accuracy:	0.2 nT over operating range.
Range:	20,000 to 120,000 nT.
Gradient Tolerance:	Over 10,000 nT/m
Operating interval:	3 seconds minimum, faster optional. Readings initiated from keyboard, external trigger, or carriage return via RS-232-C.
Input/Output:	6 pin weatherproof connector, RS-232C, and (optional) analog output.
Power Requirements:	12 V, 200 mA peak (during polarization), 30 mA standby. 300mA peak in gradiometer mode.
Power Source:	Internal 12 V, 2.6 Ah sealed lead-acid battery standard, others optional. An External 12V power source can also be used.
Battery Charger:	Input: 110 VAC, 60 Hz. Optional 110/220 VAC, 50/60 Hz. Output: dual level charging.
Operating Ranges:	Temperature: -40 °C to +60 °C. Battery Voltage: 10.0 V minimum to 15V maximum. Humidity: up to 90% relative, non condensing.
Storage Temperature:	-50°C to +65°C
Display:	LCD: 240 x 64 pixels, or 8 x 30 characters. Built in heater for operation below -20°C
Dimensions:	Console: 223 x 69 x 240mm. Sensor staff: 4 x 450mm sections. Sensor: 170 x 71mm dia. Weight: Console 2.1kg, Staff 0.9kg, Sensors 1.1kg each.

VLF

Frequency Range:	15 - 30.0 kHz.
Parameters Measured:	Vertical In-phase and Out-of-phase components as percentage of total field. 2 components of horizontal field. Absolute amplitude of total field.
Resolution:	0.1%.
Number of Stations:	Up to 3 at a time.
Storage:	Automatic with: time, coordinates, magnetic field/gradient, slope, EM field, frequency, in- and out-of-phase vertical, and both horizontal components for each selected station.
Terrain Slope Range:	0° - 90° (entered manually).
Sensor Dimensions:	14 x 15 x 9 cm. (5.5 x 6 x 3 inches).
Sensor Weight:	1.0 kg (2.2 lb).

Ministry of
Northern Development
and MinesDeclaration of Assessment Work
Performed on Mining Land

Transaction Number (Office use)

W9860.00748

Assessment File Research Imaging

in 68(2) and 68(3), R.S.O. 1990

sections 68(2) and 68(3) of the Mining Act. Under section 8 of the Mining Act, this work may correspond with the mining land holder. Questions about this collection
of information should be directed to the Ministry of Natural Resources, Ministry of
Natural Resources, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

32L04SW2002 2.18702 WEST OF SUNDAY 900

LAKE

Work performed on Crown Lands before recording a claim, use form 0240.

- Please type or print in ink.

2.18702

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

Name	PELNGIU CARRIER MINING LIMITED	Client Number	180621
Address	539 Moorlands Cr.	Telephone Number	905 875 3828
	Milton Ontario	Fax Number	905 875 3829
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	INDUCED POLARIZATION & MAGNETIC SURVEYS	Office Use	
Dates Work Performed	From 1 2 97 To 9 12 97	Commodity	
		Total \$ Value of Work Claimed	52426
Global Positioning System Data (if available)	Township/Range WEST OF SUNDAY LAKE	NTS Reference	
	Map/Plan Number G-1680	Mining Division	Tim
		Resident Geologist	

- 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.

RECEIVED

AUG 17 1998

10:00

GEOSCIENCE ASSESSMENT
OFFICE

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

Name	PAUL MEIKLE	Telephone Number	268-4866 02 264-1803
Address	TIMMINS ONTARIO	Fax Number	360-7733
Name		Telephone Number	
Address		Fax Number	
Name		Telephone Number	
Address		Fax Number	

4. Certification by Recorded Holder or Agent

I, KEVIN FILE, 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

KEVIN FILE

Date

Aug 10/98

Agent's Address

535 Bantam St.

Telephone Number

705 268 0371

Fax Number

705 268 5834

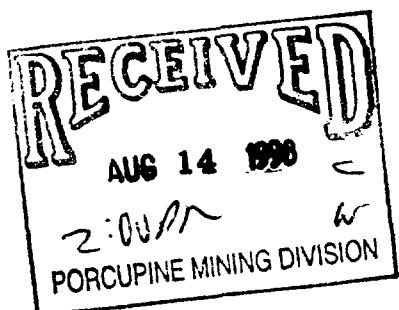
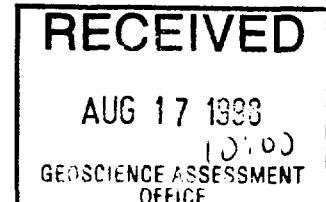
PORCUPINE MINING DIVISION

Deemed Nov. 12/1998

W9860.00748

Schedule of Work Conducted After Recording of Claim					
Claim#	Units	Work Done on This Claim	Work Applied To This Claim	Value Assigned From Claim	Reserve For Future
1208318	2	6562	0	0	6562/-
1208321	6	19656	0	0	19656/-
1212940	8	26208	0	0	26208/-
Totals	3	16	52426	0	52426

2.18703



Ministry of
Northern Development
and MinesStatement of Costs
for Assessment Credit

Transaction Number (if applicable)

W9860.00748

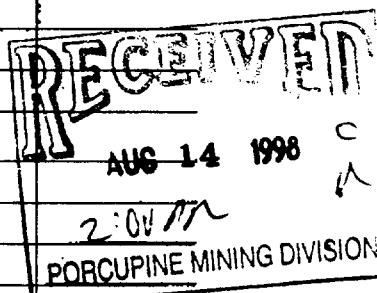
Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 698. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 633 Ramsey Lake Road, Sudbury, Ontario, P3E 6B6.

Work Type	Units of work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
MAG 2D GEOPHYSICS	32 km	1448.9375	44426.40
LINSCUT TM	32 km	250	8000.00

Associated Costs (e.g. supplies, mobilization and demobilization).

2.18702

Transportation Costs	
Food and Lodging Costs	



PORCUPINE MINING DIVISION

Total Value of Assessment Work

52426.70 RECEIVED

AUG 17 1998
GEOSCIENCE ASSESSMENT
OFFICE

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. 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 x 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A record 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:

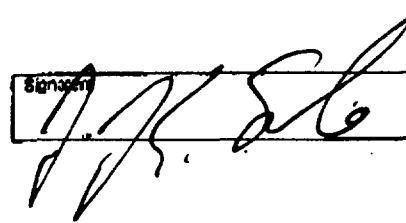
I, J. K. FILO, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as AGENT (please print full name)
(Reported holder, agent, or sole company person with signing authority)

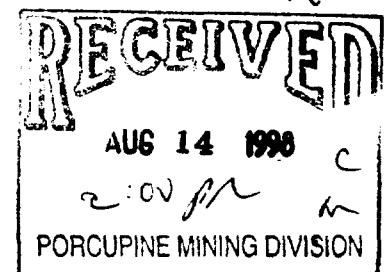
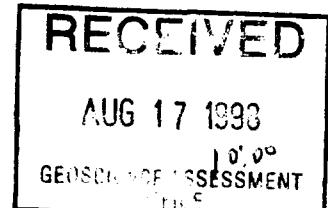
I am authorized to make this certification.

8/11/98 4:26 P

6212 (1997)

Signature	Date
	Aug 10/98

2.18709



Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

October 5, 1998

PELANGIO - LARDER MINES, LIMITED
539 Moorlands Cr.
Milton, Ontario
L9T 4B2



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

Telephone: (888) 415-9846
Fax: (877) 670-1555

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

Dear Sir or Madam:

Submission Number: 2.18702

Status

Subject: Transaction Number(s): W9860.00748 Deemed 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 jerome12@epo.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Blair Kite".

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.18702

Date Correspondence Sent: October 05, 1998

Assessor: Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9860.00748	1208318	WEST OF SUNDAY LAKE	Deemed Approval	September 29, 1998

Section:

14 Geophysical IP

14 Geophysical MAG

Correspondence to:

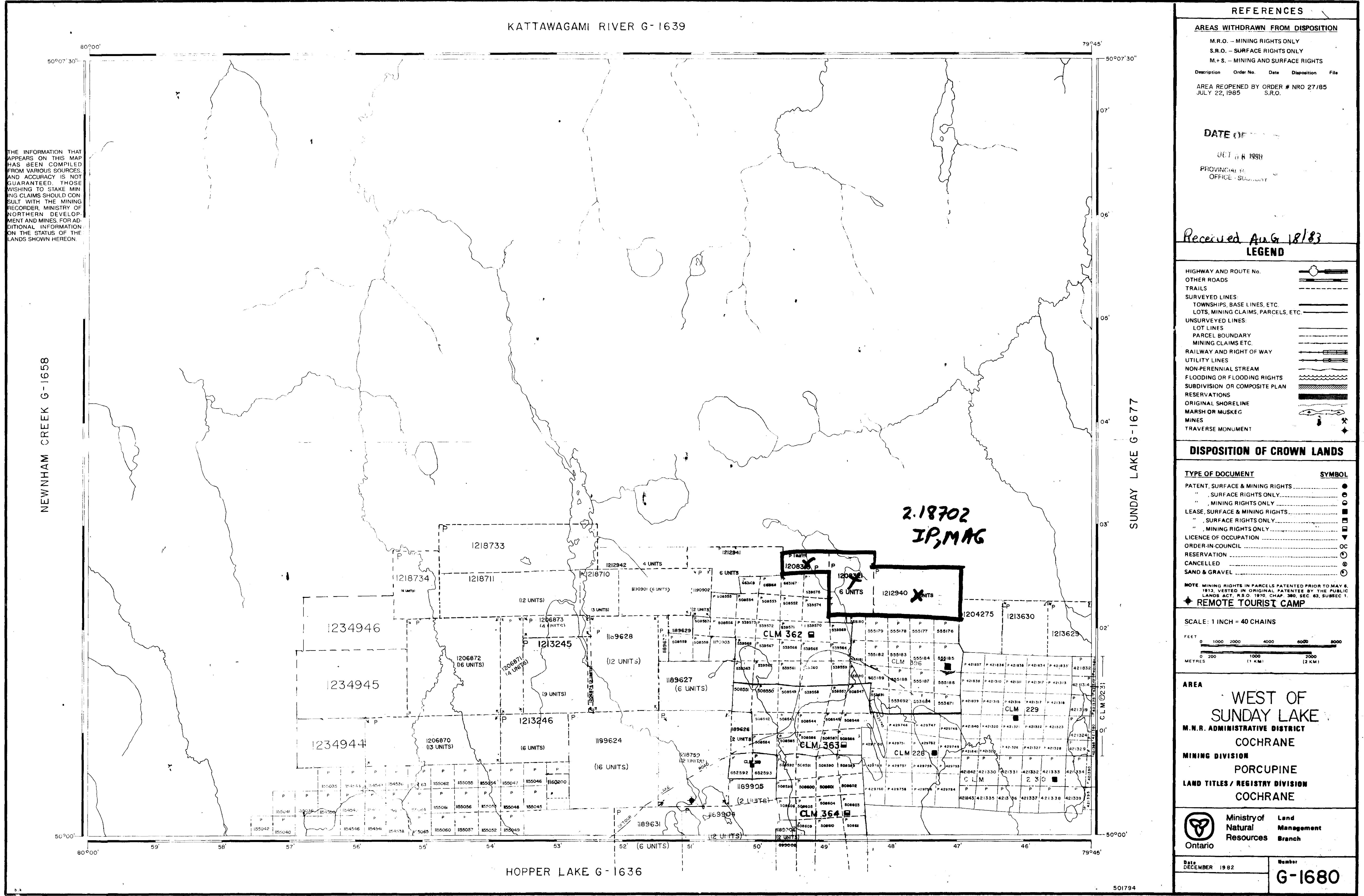
Resident Geologist
South Porcupine, ON

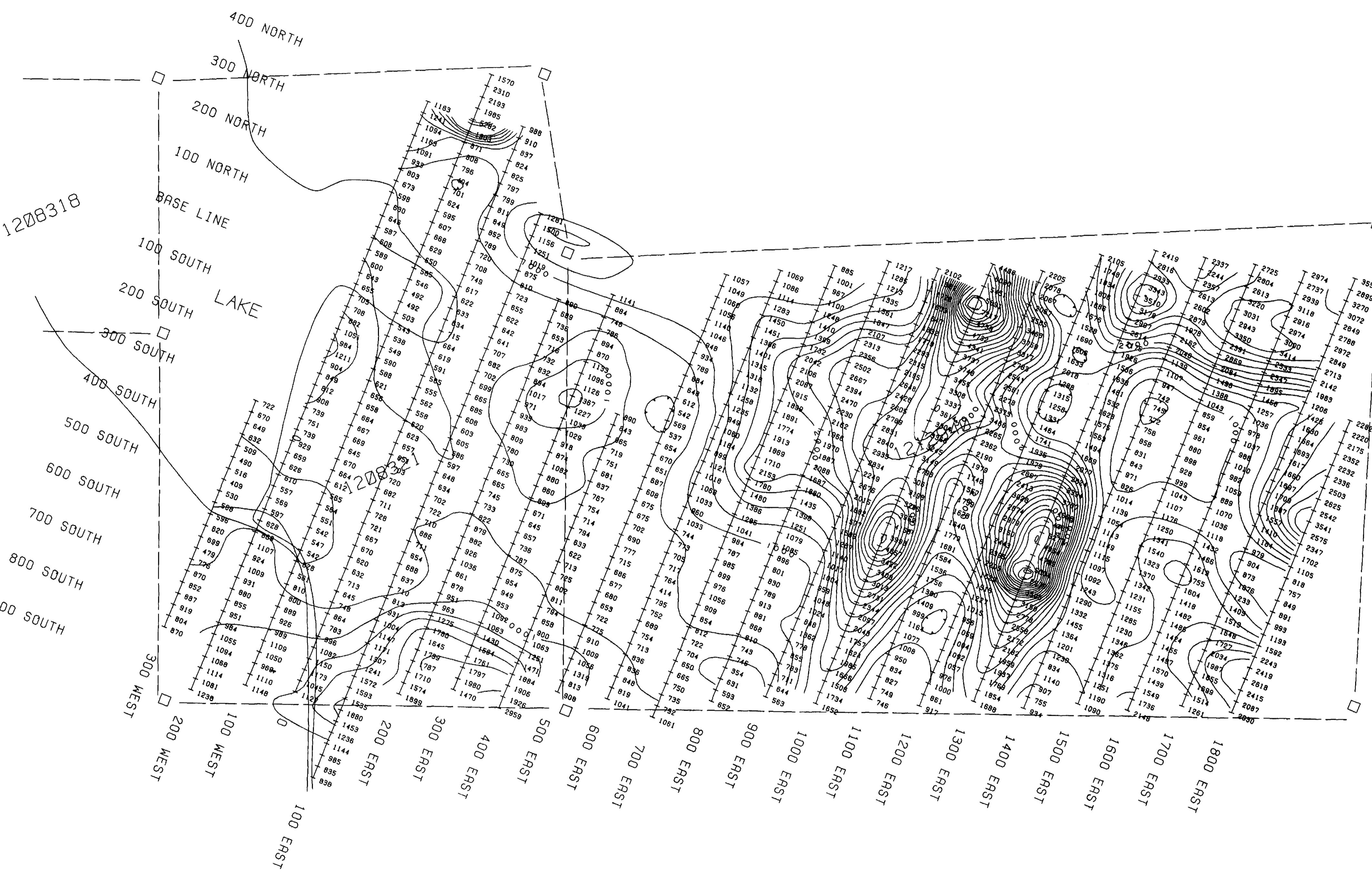
Assessment Files Library
Sudbury, ON

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

Kevin Filo
TIMMINS, ONTARIO, CANADA

PELANGIO - LARDER MINES, LIMITED
Milton, Ontario





LEGEND

RECEIVER: SCINTREX IPR-12 TIME DOMAIN
 RX-TX TIMING: 2sec ON 2sec OFF
 PLOTTED WINDOW: SLICE #9
 TRANSMITTER: SCINTREX TSQ-3 3KVA
 POLE - DIPOLE
 CONTOUR INTERVAL: 200 ohms/meter
 A SPACING: 25 M

PLOTTED DATA = FRASER FILTERED (B), RESISTIVITY

200 100 0 50 100 150 200

Client: PELANGIO LARDER MINES LTD

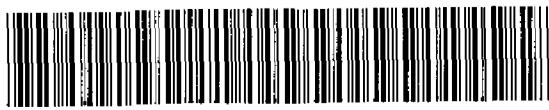
Property: DN1 PROPERTY

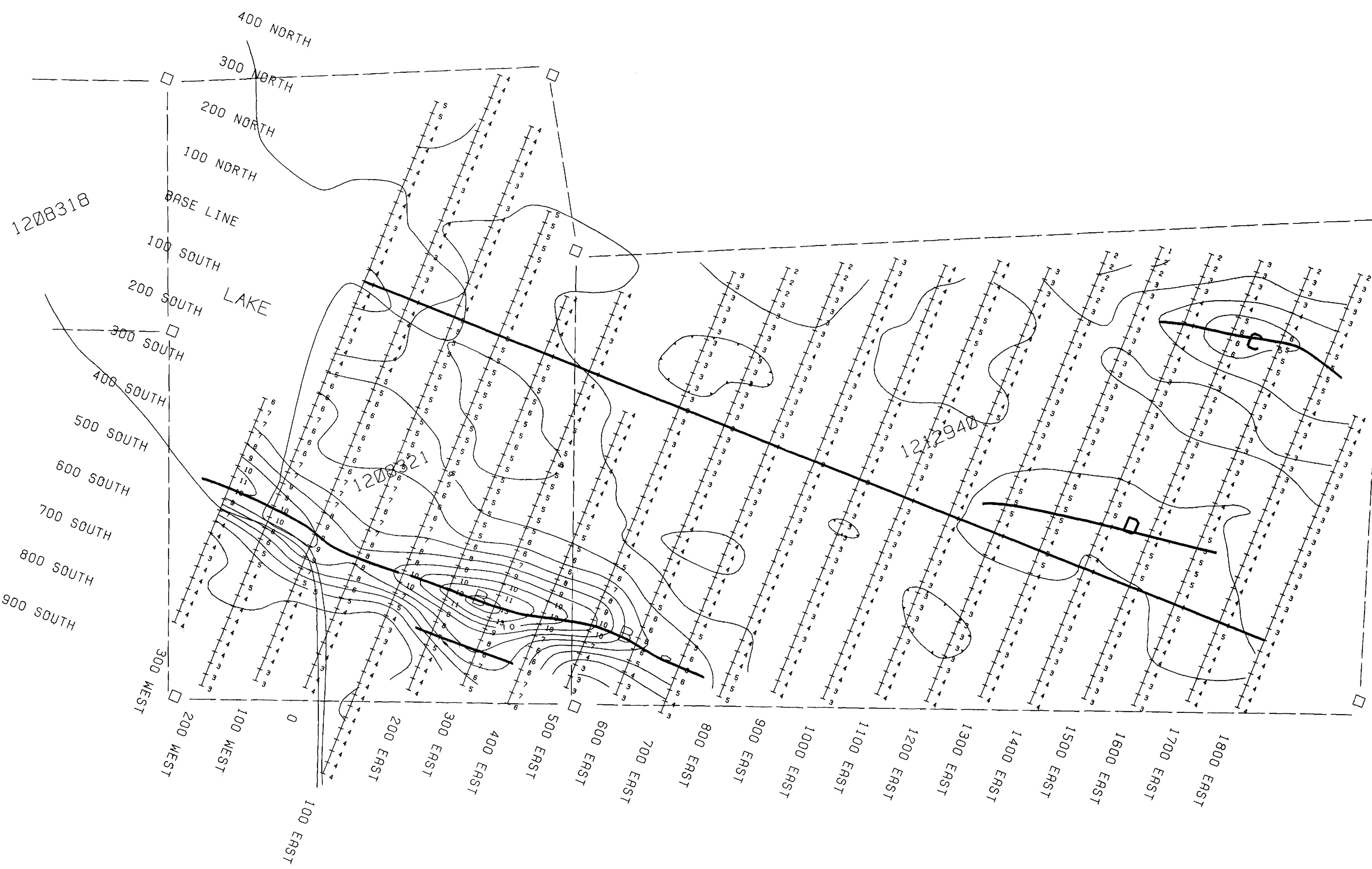
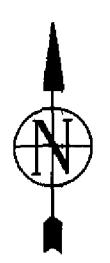
Title: CONTOURED FILTERED I.P.
RESISTIVITY PLAN

Processed:	KBG	Checked:	RJM
Date:	MAR. 1997	Township:	WEST SUNDAY LAKE AREA
Province:	ONT	N.T.S.:	
Scale:	1:5,000	Drawing:	FILTRES



RECEIVED
AUG 17 1998
GEODESY & SURVEY
OFFICE



**LEGEND**

RECEIVER: SCINTREX IPR-12 TIME DOMAIN

RX-TX TIMING: 2sec ON 2sec OFF

PLOTTED WINDOW: SLICE #9

TRANSMITTER: SCINTREX TSQ-3 3KVA

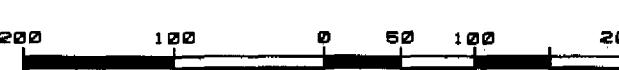
POLE - DIPOLE

CONTOUR INTERVAL: 1 ms

A SPACING: 25 M

PLOTTED DATA = FRASER FILTERED (B), CHARGEABILITY

I.P. ANOMALY AXIS:



Client: PELANGIO LARDER MINES LTD

Property: DN1 PROPERTY

Title: CONTOURED FILTERED I.P.
CHARGEABILITY PLAN

Processed: KBG	Checked: RJM
Date: MAR. 1997	Township: WEST SUNDAY LAKE AREA
Province: ONT	N.T.S.: N.T.S.
Scale: 1:5.000	Drawing: FILTCHG



RECEIVED
AU 17 1998
NO 02
GEOSOURCE CONSULTANT
Ottawa, Ontario



32104BN2002 2.18702 WEST OF SUNDAY LAKE 220

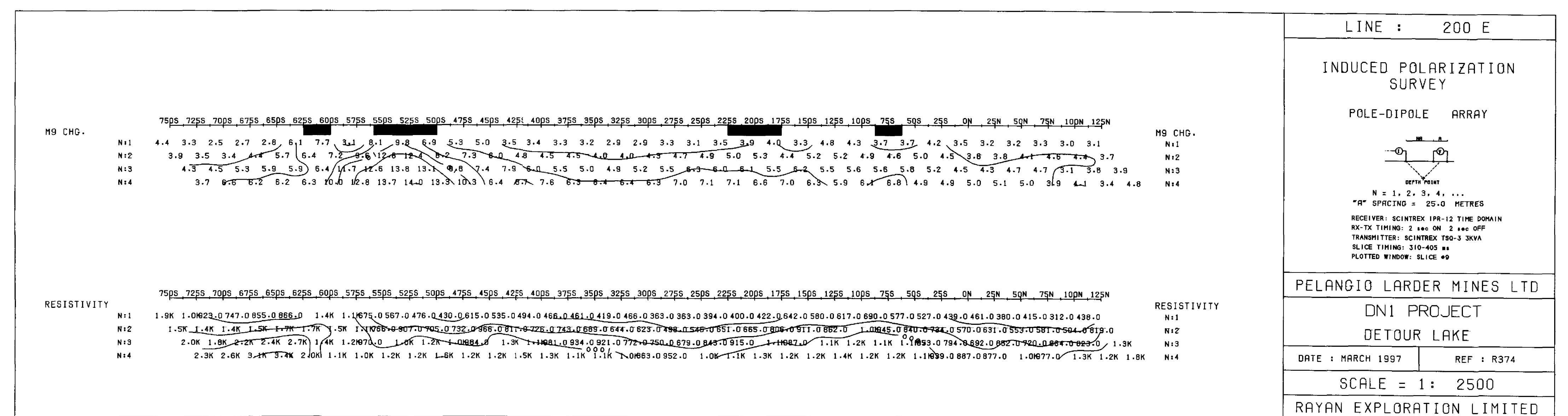
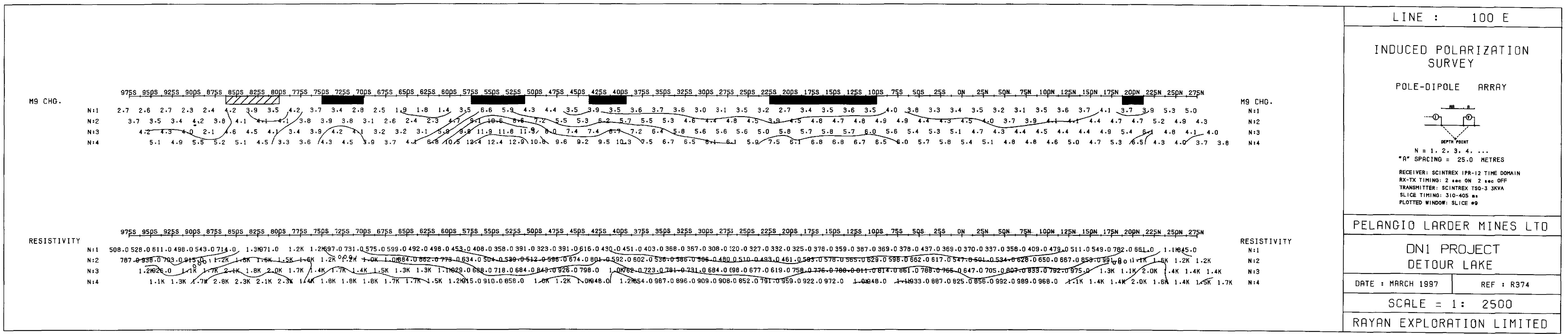
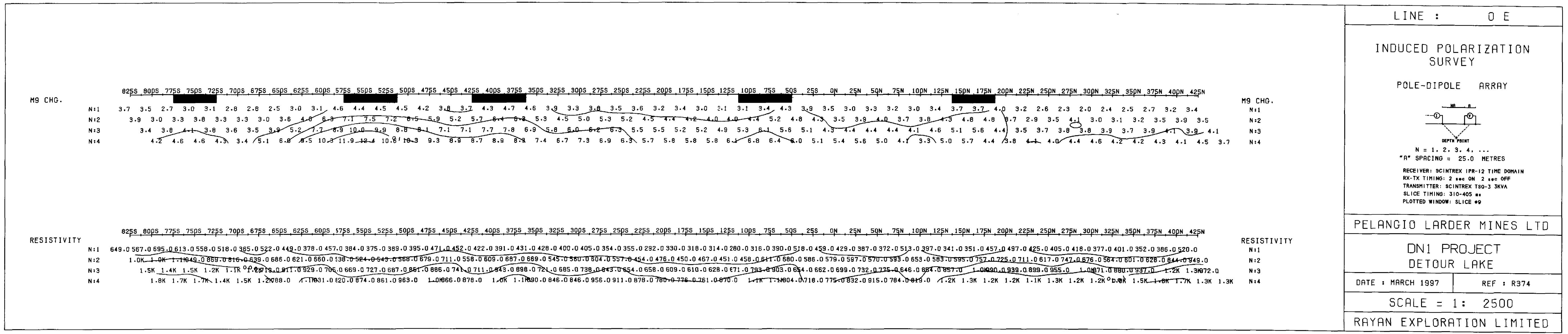
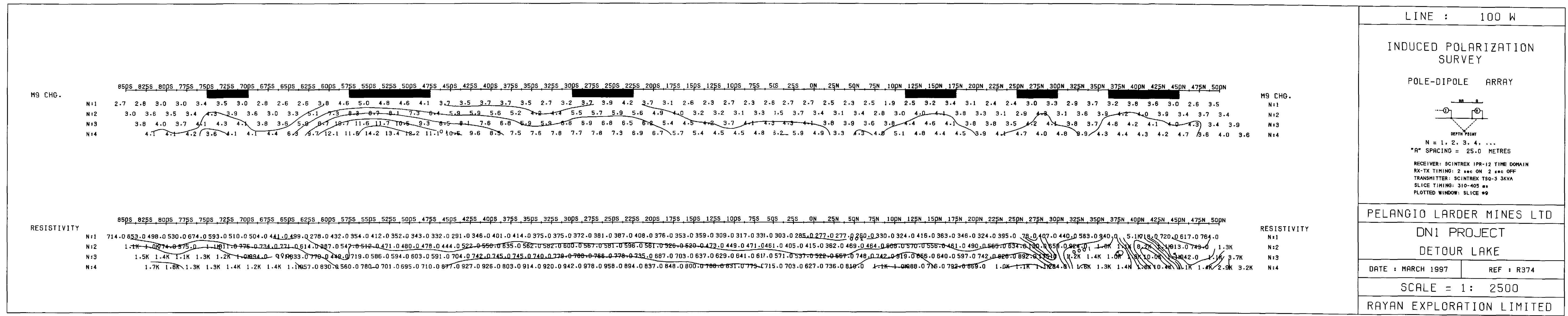
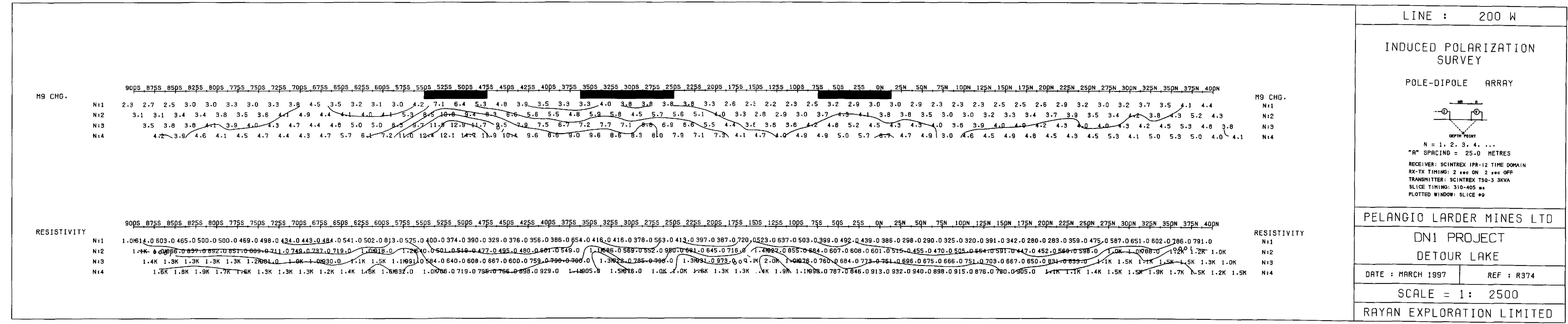
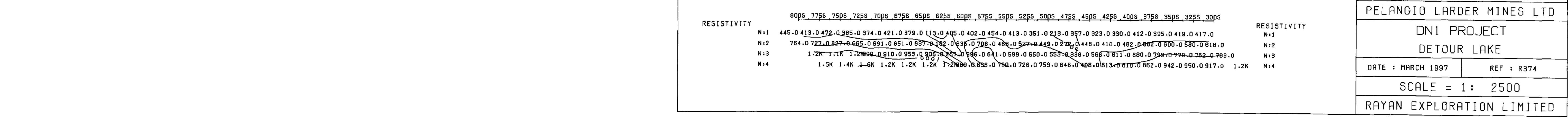
PELANGIO LARDER MINES LTD.

IP PSUEDOSECTIONS

DN1 PROJECT

DETOUR LAKE

PLATE 1 of 4



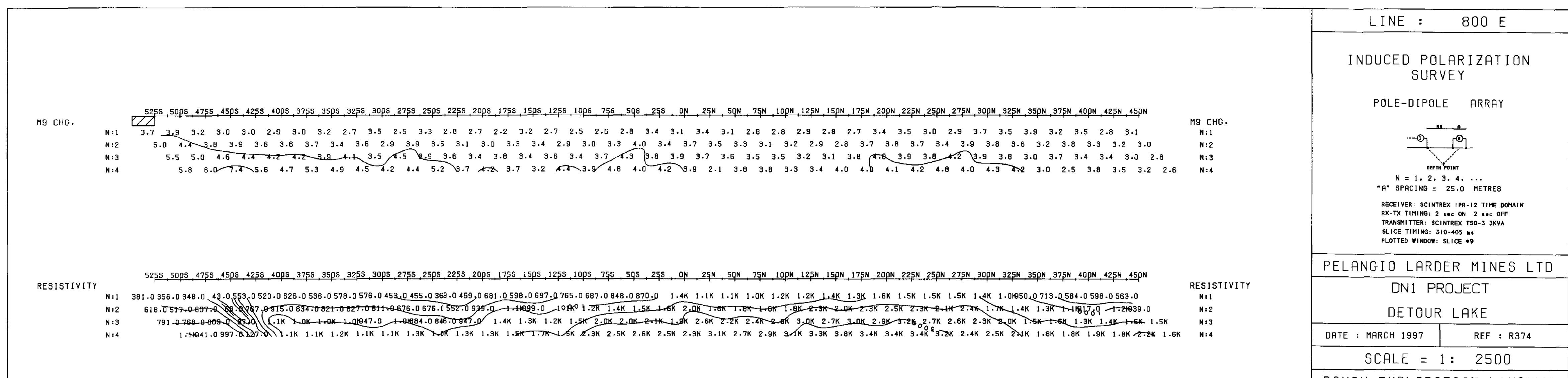
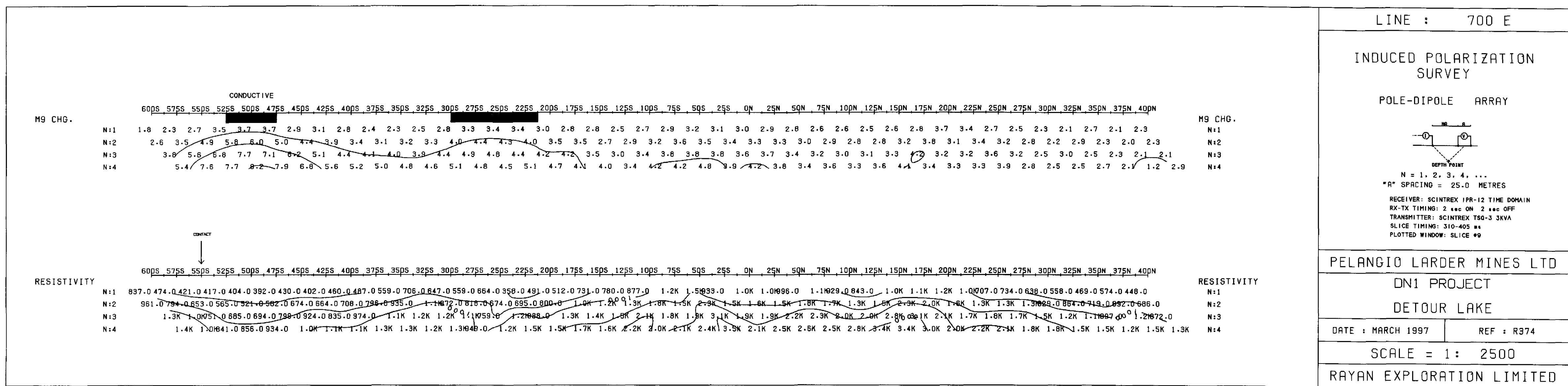
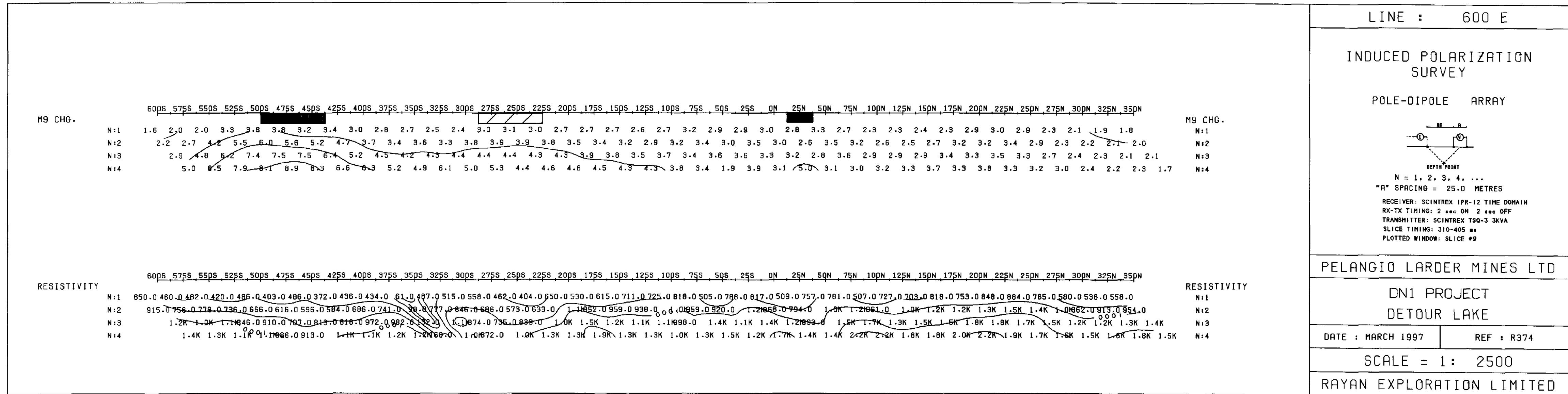
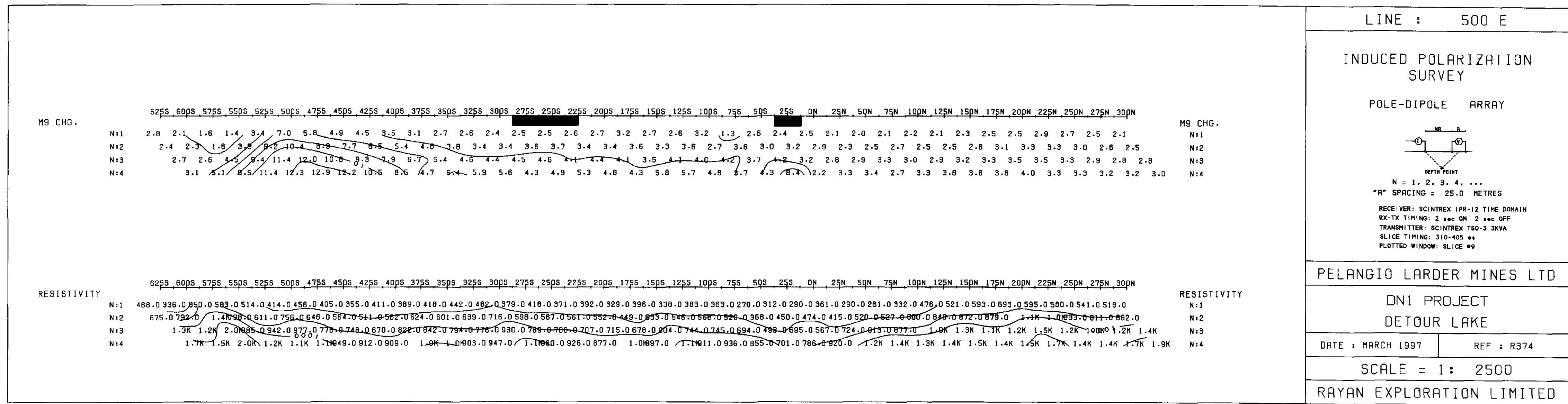
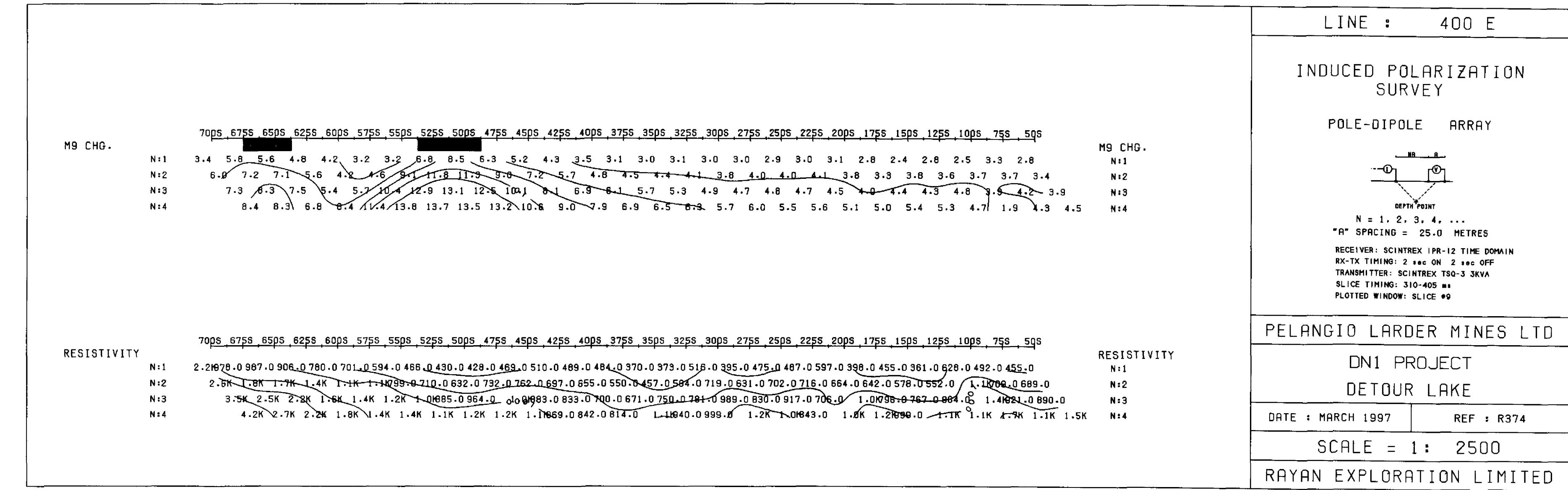
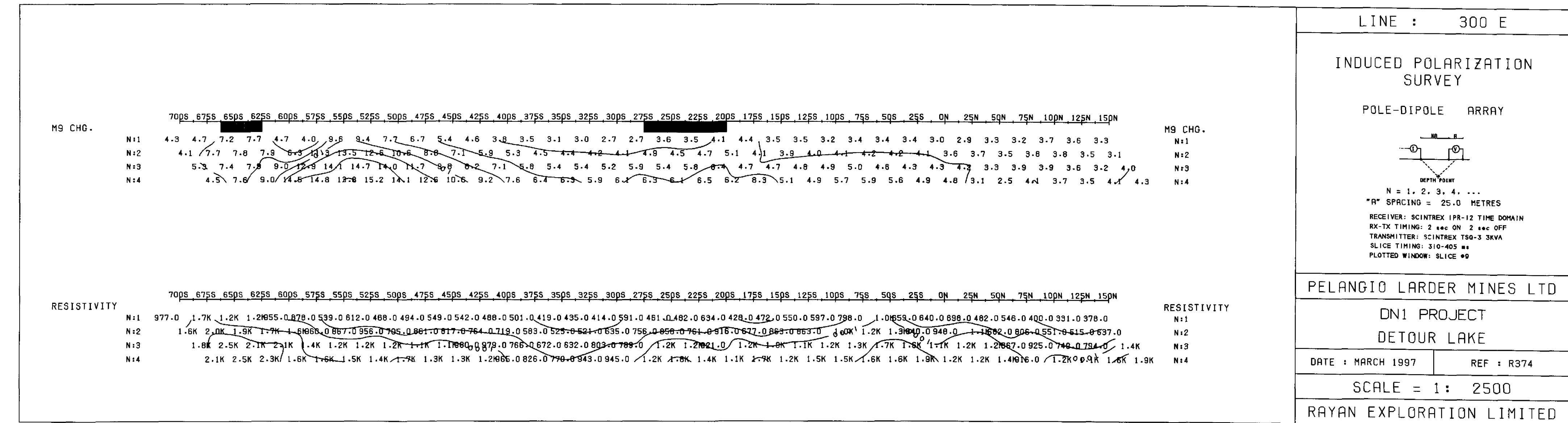
PELANGIO LARDER MINES LTD.

IP PSEUDOSECTIONS

DN1 PROJECT

DETOUR LAKE

PLATE 2 of 4



AUG 17 1998
10:00
GEOSCIENCE ASSESSMENT
OFFICE

PELANGIO LARDER MINES LTD.

IP PSEUDOSECTIONS

DN1 PROJECT

DETOUR LAKE

PLATE 3 of 4

LINE : 900 E

INDUCED POLARIZATION SURVEY

POLE-DIPOLE ARRAY	
M9 CHG.	M9 CHG.
N:1 2.8 2.6 2.5 3.1 3.3 2.8 2.5 3.3 3.1 3.4 2.7 2.9 2.4 2.5 2.5 3.2 3.9 2.9 3.2 3.0 3.0 2.8 2.6 3.2 3.6 4.1 4.4 4.1 4.6 4.3 4.0 3.9 3.8 3.9 3.7	N:1
N:2 3.7 3.5 3.2 2.9 3.3 2.9 3.0 3.8 3.8 3.9 3.2 2.8 2.9 2.7 2.8 2.4 3.0 3.9 3.5 3.1 3.5 3.2 3.0 3.4 3.7 4.2 4.2 4.0 4.7 4.5 3.9 4.1 4.0 4.6 4.1 3.9 3.7 3.9	N:2
N:3 4.5 4.1 4.1 3.9 4.0 2.5 4.2 4.2 4.3 3.6 3.5 3.7 3.2 3.3 3.0 3.9 3.6 4.3 3.3 3.5 3.3 3.4 3.7 3.8 4.2 4.3 4.9 4.5 4.5 4.0 4.1 4.7 4.2 4.1 3.7 3.9 3.7	N:3
N:4 4.9 4.3 4.3 4.5 4.0 3.9 4.1 4.3 4.5 3.9 3.8 3.1 3.6 3.4 3.8 2.2 3.8 4.0 5.7 3.1 3.6 3.8 4.8 4.0 4.3 5.2 4.1 4.5 4.3 3.9 4.2 3.9 4.6 4.3 3.6 3.9 3.7 3.0	N:4
"R" SPACING = 25.0 METRES	
RECEIVER: SCINTREX IPR-12 TIME DOMAIN RX-TX TIMING: 2 sec ON 2 sec OFF TRANSMITTER: SCINTREX TSO-3 3KVA SLICE TIMING: 310-405 ms PLOTTED WINDOW: SLICE #9	
PELANGIO LARDER MINES LTD	
DN1 PROJECT	
DETOUR LAKE	
DATE : MARCH 1997	
REF : R374	
SCALE = 1: 2500	
RAYAN EXPLORATION LIMITED	

N = 1, 2, 3, 4, ...
"R" SPACING = 25.0 METRES

RECEIVER: SCINTREX IPR-12 TIME DOMAIN
RX-TX TIMING: 2 sec ON 2 sec OFF
TRANSMITTER: SCINTREX TSO-3 3KVA
SLICE TIMING: 310-405 ms
PLOTTED WINDOW: SLICE #9

PELANGIO LARDER MINES LTD

DN1 PROJECT

DETOUR LAKE

DATE : MARCH 1997

REF : R374

SCALE = 1: 2500

RAYAN EXPLORATION LIMITED

LINE : 1000 E

INDUCED POLARIZATION SURVEY

<p>M9 CHG.</p> <p>N:1 1.8 2.5 2.6 3.1 2.9 3.1 3.2 3.5 4.1 3.3 3.7 3.5 3.3 2.7 2.8 3.0 3.0 3.2 2.7 2.4 3.0 2.6 2.5 3.0 2.8 4.3 3.6 4.2 3.6 3.4 4.3 5.0 4.7 4.2 4.1 4.2 3.4 3.1</p> <p>N:2 2.9 3.4 3.6 3.8 3.5 3.4 3.8 4.3 3.3 3.6 3.7 3.2 2.8 3.1 3.3 3.1 3.3 3.6 2.9 3.0 3.5 2.9 2.5 3.4 3.2 4.3 3.8 4.0 4.1 3.9 3.8 4.6 5.2 4.6 4.2 4.7 3.8 3.7 3.1</p> <p>N:3 3.9 4.2 4.2 4.4 3.8 4.1 4.4 3.5 3.8 3.6 3.4 2.8 3.3 3.6 3.4 4.0 3.3 3.1 4.1 3.3 2.8 3.5 3.5 4.6 3.9 4.1 3.8 4.2 3.9 4.8 4.2 4.1 4.5 4.1 4.0 3.5 3.1</p> <p>N:4 3.5 4.7 4.8 5.7 4.7 4.9 3.9 4.3 3.8 3.4 2.9 3.3 3.8 3.9 3.8 4.1 4.7 3.1 4.0 5.9 3.3 3.6 3.5 4.7 4.0 4.2 3.7 3.8 4.0 5.0 5.6 5.1 4.3 4.0 3.5 3.3 3.4</p>	<p>M9 CHG.</p> <p>N:1</p> <p>N:2</p> <p>N:3</p> <p>N:4</p>	<p>POLE-DIPOLE ARRAY</p> <p>N = 1, 2, 3, 4, ...</p> <p>"R" SPACING = 25.0 METRES</p> <p>RECEIVER: SCINTREX IPR-12 TIME DOMAIN RX-TX TIMING: 2 sec ON 2 sec OFF TRANSMITTER: SCINTREX TSQ-3 3KVA SLICE TIMING: 310-405 ms PLOTTED WINDOW: SLICE #9</p>
<p>RESISTIVITY</p> <p>N:1 582.0 511.0 423.0 461.0 631.0 492.0 442.0 546.0 672.0 650.0 875.0 812.0 938.0 990.0 1.5K 1.1K 1.3K 1.3K 1.0K 657.0 682.0 521.0 639.0 637.0 709.0 718.0 911.0 786.0 798.0 767.0 781.0 717.0 879.0 1.0K 1.1K 2.3K 1.5K 1.4K 1.7K 1.2K</p> <p>N:2 735.0 887.0 678.0 721.0 802.0 705.0 820.0 967.0 912.0 0.9K 1.5K 1.5K 1.4K 1.5K 2.8K 1.9K 1.7K 1.6K 1.5K 1.3K 1.0K 1.1K 1.3K 1.2K 1.4K 1.5K 1.3K 1.4K 1.5K 1.4K 1.5K 2.0K 1.8K 2.3K 2.2K 2.3K 2.9K 1.8K</p> <p>N:3 958.0 1.2K 855.0 858.0 1.1K 1.1K 1.3K 1.5K 2.2K 1.8K 1.8K 2.3K 3.0K 2.0K 1.8K 2.0K 1.9K 1.5K 1.7K 1.8K 1.9K 1.8K 2.3K 1.9K 1.9K 1.8K 2.0K 2.3K 2.6K 2.6K 2.9K 3.2K 4.8K 2.8K 3.0K 2.0K 2.3K 2.6K 2.6K 3.0K 3.7K 3.2K 4.1K 3.8K 3.5K 3.8K 3.1K 3.7K 2.4K</p> <p>N:4 1.2K 1.4K 1.0K 81.0 1.6K 1.5K 1.1K 1.5K 1.8K 2.1K 2.6K 2.1K 2.6K 2.9K 3.7K 2.1K 2.3K 2.1K 2.4K 2.6K 2.4K 2.7K 2.9K 2.8K 2.4K 2.5K 2.5K 2.6K 3.0K 3.7K 3.2K 4.1K 3.8K 3.5K 3.8K 3.1K 3.7K 2.4K</p>	<p>RESISTIVITY</p> <p>N:1</p> <p>N:2</p> <p>N:3</p> <p>N:4</p>	<p>PELANGIO LARDER MINES LTD</p> <p>DN1 PROJECT</p> <p>DETOUR LAKE, ONTARIO</p> <p>DATE : MARCH, 1977 REF : R374</p> <p>SCALE = 1 : 2500</p> <p>RAYAN EXPLORATION LTD.</p>

LINE : 1100 E

INDUCED POLARIZATION SURVEY

POLE-DIPOLE ARRAY	
<p>M9 CHG.</p> <p>400S, 375S, 350S, 325S, 300S, 275S, 250S, 225S, 200S, 175S, 150S, 125S, 100S, 75S, 50S, 25S, ON, 25N, 50N, 75N, 100N, 125N, 150N, 175N, 200N, 225N, 250N, 275N, 300N, 325N, 350N, 375N, 400N, 425N, 450N, 475N, 500N, 525N, 550N</p> <p>N:1 3.6 3.6 3.6 3.4 3.6 2.9 2.8 2.5 2.0 2.2 2.5 2.9 2.4 3.2 3.2 4.0 4.0 3.6 4.1 3.4 3.1 3.0 2.9 3.3 3.2 4.9 4.6 5.6 3.5 3.8 3.0 3.5 3.9 4.5 4.1 3.5 2.4 2.4</p> <p>N:2 4.0 4.1 3.8 3.8 3.1 3.0 2.8 2.4 2.4 2.6 3.1 2.7 3.5 3.6 4.2 4.0 3.4 4.2 3.9 3.3 3.5 3.4 3.4 3.5 4.4 5.1 4.3 4.1 4.0 3.8 3.4 4.3 4.6 4.0 3.7 3.1 2.7 2.7</p> <p>N:3 4.5 4.2 4.0 3.5 3.2 3.1 2.7 2.8 3.5 3.5 3.0 3.7 3.8 4.3 4.1 3.5 4.0 3.9 3.6 3.7 3.7 4.0 3.6 4.6 4.7 4.9 2.9 3.9 3.9 4.2 4.5 4.8 3.8 3.6 3.0 3.3 2.9 3.2</p> <p>N:4 4.6 4.4 3.7 3.9 3.5 3.1 3.1 3.6 5.2 2.2 4.4 3.8 4.4 4.5 3.9 4.2 3.7 3.6 4.0 3.9 3.5 4.0 4.6 4.7 3.7 3.3 3.6 2.7 3.9 4.4 4.4 4.9 3.8 3.1 2.9 3.1 3.5 3.2</p>	<p>M9 CHG.</p> <p>N:1</p> <p>N:2</p> <p>N:3</p> <p>N:4</p>
<p>DEPTH POINT N = 1, 2, 3, 4, ... "R" SPACING = 25.0 METRES</p>	
<small>RECEIVER: SCINTREX IPR-12 TIME DOMAIN RX-TX TIMING: 2 sec ON 2 sec OFF TRANSMITTER: SCINTREX TSQ-3 3KVA SLICE TIMING: 310-405 ms PLOTTED WINDOW: SLICE #9</small>	
PELANGIO LARDER MINES LTD	
DN1 PROJECT	
DETOUR LAKE	
<p>RESISTIVITY</p> <p>400S, 375S, 350S, 325S, 300S, 275S, 250S, 225S, 200S, 175S, 150S, 125S, 100S, 75S, 50S, 25S, ON, 25N, 50N, 75N, 100N, 125N, 150N, 175N, 200N, 225N, 250N, 275N, 300N, 325N, 350N, 375N, 400N, 425N, 450N, 475N, 500N, 525N, 550N</p> <p>N:1 490.0 435.0 482.0 420.0 513.0 525.0 534.0 557.0 40.0 925.0 741.0 1.2K 99.0 795.0 779.0 878.0 806.0 931.0 1.1K 673.0 640.0 929.0 950.0 1.1K 1.2K 3.1K 1.4K 1.3K 1.5K 1.5K 1.7K 2.2K 2.6K 2.5K 3.3K 1.5K 1.4K 747.0 773.0</p> <p>N:2 697.0 715.0 735.0 761.0 818.0 866.0 920.0 1.1K 1.3K 1.5K 1.3K 1.3K 1.5K 1.4K 1.4K 1.4K 1.1K 1.5K 2.0K 1.8K 1.7K 2.8K 3.8K 1.4K 2.3K 2.5K 2.6K 2.8K 5.2K 4.1K 2.2K 1.7K 1.4K 1.5K 2.2K</p> <p>N:3 937.0 926.0 1.1K 1.0K 1.1K 1.2K 1.4K 1.6K 1.8K 2.2K 1.4K 2.0K 1.8K 2.1K 2.0K 2.1K 1.8K 1.5K 1.7K 2.6K 3.1K 2.3K 694K 3.0K 3.0K 2.1K 3.0K 3.0K 2.9K 4.5K 6.6K 2.4K 2.1K 1.4K 2.1K 3.5K 4.4K</p> <p>N:4 1.1K 1.3K 1.3K 1.3K 1.5K 1.7K 1.9K 2.0K 2.2K 1.9K 2.6K 2.6K 2.5K 2.6K 2.8K 2.0K 1.8K 2.1K 2.7K 3.6K 3.5K 4.2K 3.2K 2.2K 4.2K 2.7K 3.7K 3.6K 3.5K 4.2K 5.4K 3.8K 2.2K 1.6K 2.0K 4.2K 5.9K 3.8K</p>	<p>RESISTIVITY</p> <p>N:1</p> <p>N:2</p> <p>N:3</p> <p>N:4</p>
<p>DATE : MARCH 1997</p>	<p>REF : R374</p>
SCALE = 1: 2500	
RAYAN EXPLORATION LIMITED	

LINE : 1300 E

INDUCED POLARIZATION SURVEY

BEDROCK RIDGE ?

M9 CHG.

	325S	300S	275S	250S	225S	200S	175S	150S	125S	100S	75S	50S	25S	ON	25N	50N	75N	100N	125N	150N	175N	200N	225N	250N	275N	300N	325N	350N	375N	400N	425N	450N	475N	500N	525N	550N	575N	600N	625N	650N	675N
N:1	3.2	3.3	3.1	3.2	2.7	3.2	3.4	3.6	3.2	3.2	4.2	4.6	4.6	5.4	3.8	5.0	4.8	4.9	5.9	5.1	4.0	3.9	3.6	2.7	2.7	2.5	2.7	3.1	3.4	2.7	2.7	2.3	2.2	2.7	4.0	4.2	2.9	2.5	1.9	1.9	1.5
N:2	3.8	3.7	3.5	2.8	3.3	3.6	3.4	3.4	3.1	4.4	3.1	5.5	5.8	3.7	5.0	5.3	4.5	5.7	5.2	3.8	4.0	3.1	2.9	2.7	2.9	3.3	3.3	3.1	2.6	2.6	3.0	2.5	4.0	3.8	3.7	2.9	1.9	2.0	1.5	1.7	
N:3	4.2	4.0	3.2	3.4	3.8	3.8	3.3	3.3	4.5	3.3	3.9	4.2	4.2	4.9	5.2	4.8	5.6	5.1	3.9	3.8	4.0	3.3	3.1	2.9	3.2	3.7	3.4	2.9	2.9	2.6	3.3	2.7	4.0	3.6	3.6	3.3	2.3	2.0	1.5	1.7	1.1
N:4	4.4	2.7	3.9	4.3	4.0	3.8	3.8	3.5	3.3	3.9	4.7	2.3	6.1	5.3	3.5	5.9	4.9	4.1	3.4	3.7	3.2	3.3	3.6	3.7	4.0	3.1	2.8	2.4	2.7	3.5	2.9	5.4	8.7	3.7	3.5	2.7	2.4	1.4	1.7	.9	.3

M9 CHG.

	N:1	N:2	N:3	N:4
N:1				
N:2				
N:3				
N:4				

"A" SPACING = 25.0 METRES

RECEIVER: SCINTREX IPR-12 TIME DOMAIN
RX-TX TIMING: 2 sec ON 2 sec OFF
TRANSMITTER: SCINTREX TSQ-3 3KVA
SLICE TIMING: 310-405 ms
PLOTTED WINDOW: SLICE #9

RESISTIVITY

	325S	300S	275S	250S	225S	200S	175S	150S	125S	100S	75S	50S	25S	ON	25N	50N	75N	100N	125N	150N	175N	200N	225N	250N	275N	300N	325N	350N	375N	400N	425N	450N	475N	500N	525N	550N	575N	600N	625N	650N	675N
N:1	503.0	560.0	494.0	569.0	553.0	664.0	619.0	762.0	704.0	794.0	922.0	3.0K	1.8K	1.7K	1.3K	2.0K	1.6K	1.9K	1.4K	1.3K	0.664.0	0.617.0	0.432.0	0.338.0	0.356.0	0.368.0	0.407.0	0.403.0	0.425.0	0.493.0	0.353.0	0.462.0	0.471.0	0.667.0	0.847.0	1.0K	1.2K	1.1K	0.830.0	0.834.0	0.566.0
N:2	813.0	859.0	857.0	907.0	1.0K	61.0	1.1K	1.3K	1.0K	1.4K	2.3K	5.4K	2.1K	1.8K	3.1K	2.3K	2.4K	1.9K	1.6K	1.2K	0.998.0	0.638.0	0.648.0	0.623.0	0.757.0	0.700.0	0.672.0	0.653.0	0.563.0	0.615.0	0.825.0	1.2K	1.0K	1.4K	1.8K	1.5K	1.5K	1.1K	0.96.0		
N:3	1.0K	1.2K	1.1K	1.3K	1.2K	1.3K	1.4K	1.7K	1.7K	2.8K	2.8K	3.0K	1.9K	3.5K	2.9K	2.7K	2.1K	2.3K	1.8K	1.5K	1.1K	0.918.0	0.964.0	0.909.0	1.1K	1.1K	0.957.0	0.884.0	0.667.0	0.916.0	1.2K	1.8K	1.5K	1.5K	1.5K	1.2K	1.6K				
N:4	1.4K	1.5K	1.5K	1.6K	1.8K	1.9K	2.4K	3.3K	3.2K	2.6K	5.7K	3.5K	3.4K	2.5K	2.3K	2.2K	1.8K	1.5K	1.3K	1.3K	1.5K	1.5K	1.5K	1.5K	1.2K	1.2K	1.1K	1.8K	2.3K	2.2K	2.1K	2.2K	2.5K	2.3K	2.0K	2.6K	2.3K	2.5K			

RESISTIVITY

	N:1	N:2	N:3	N:4
N:1				
N:2				
N:3				
N:4				

PELANGIO LARDER MINES LTD
DN1 PROJECT
DETOUR LAKE, ONTARIO

DATE : MARCH, 1977

REF : R374

SCALE = 1 : 2500

RAYAN EXPLORATION LTD.

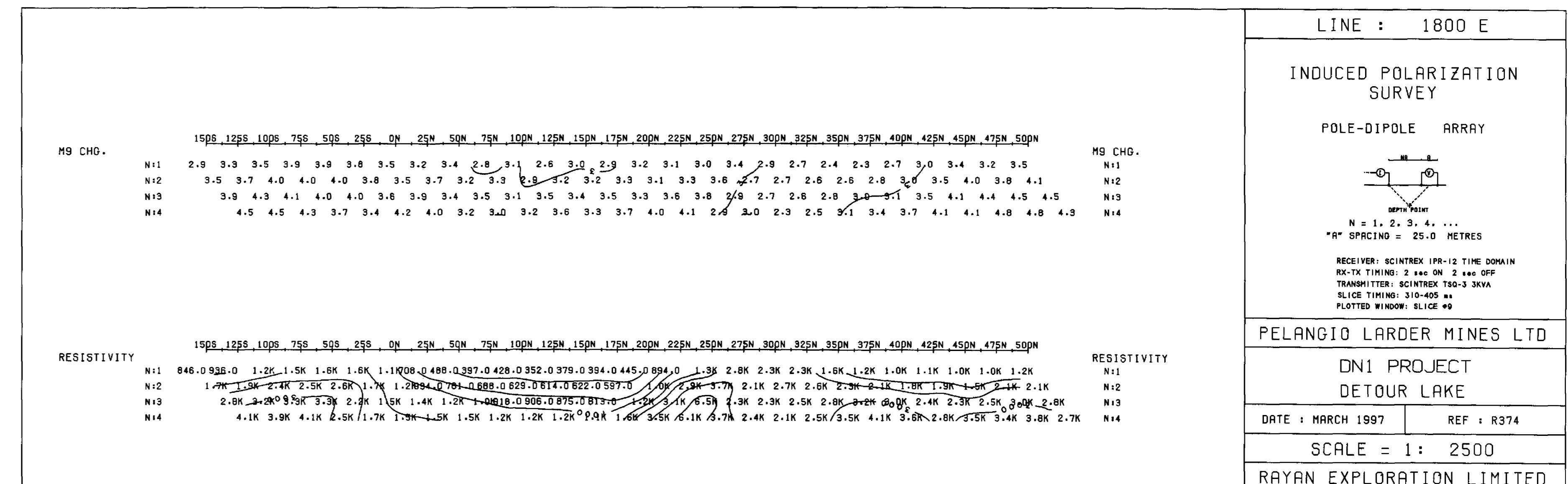
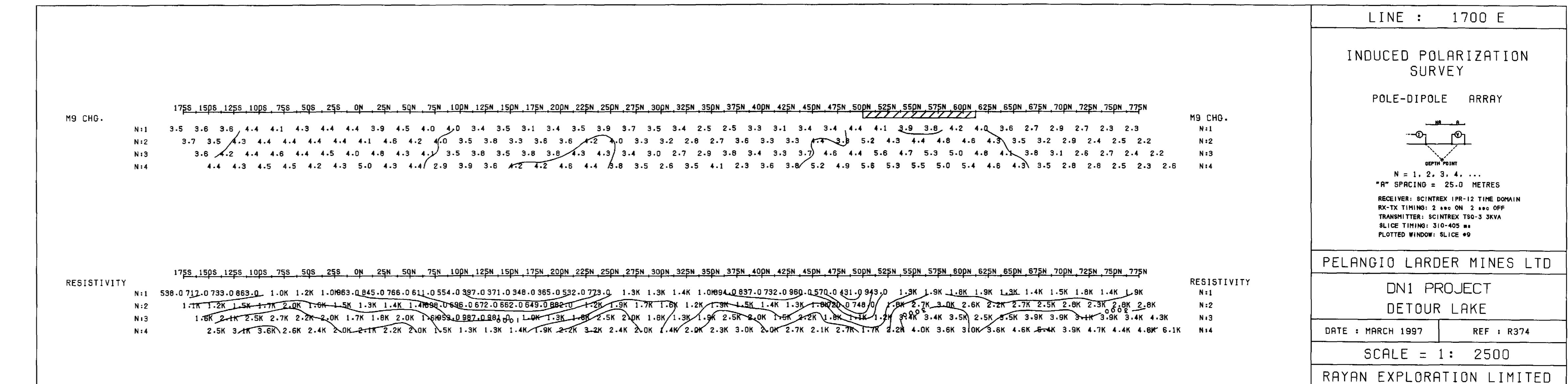
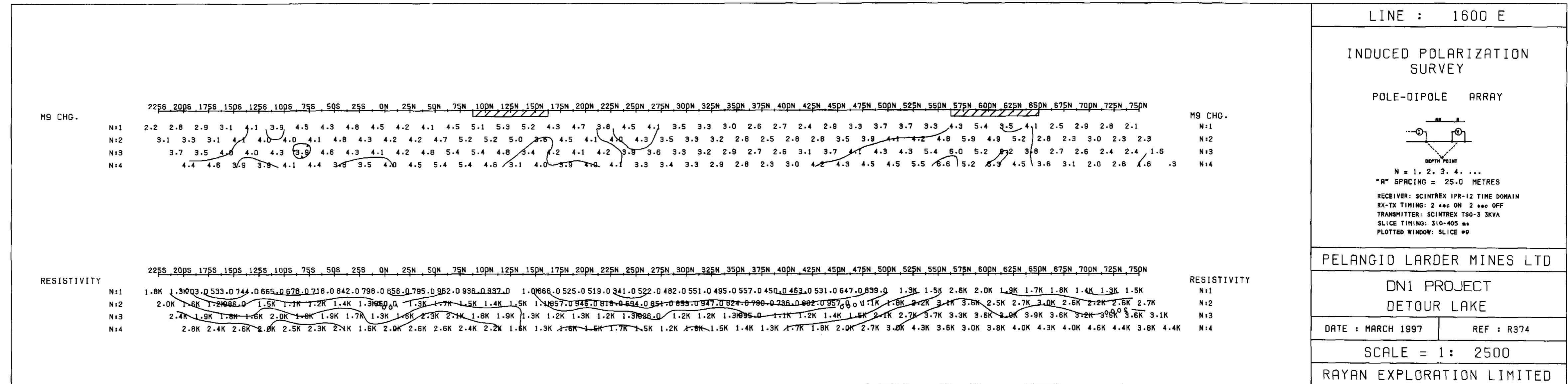
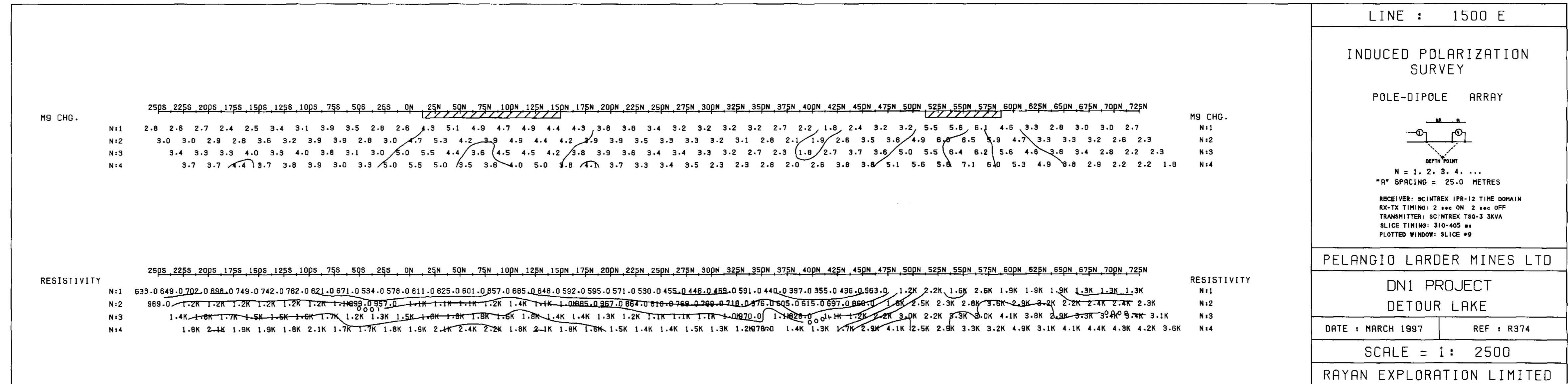
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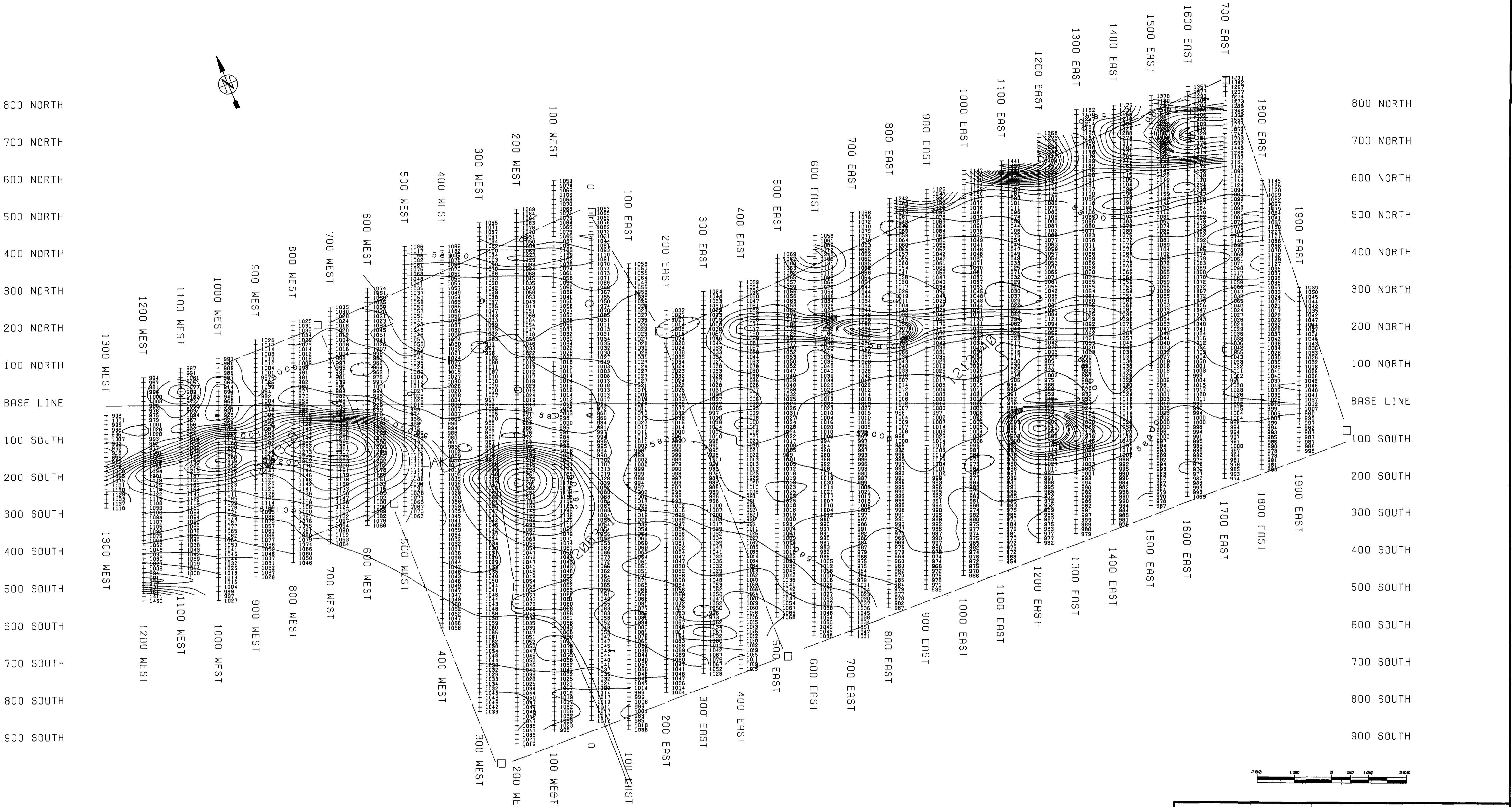
IP PSUEDOSECTIONS

DN1 PROJECT

DETOUR LAKE

PLATE 4 of 4





Client: PELANGIO LARDER MINES LTD.

Property: DETOUR LAKE DN-1 PROPERTY

Title: TOTAL FIELD MAGNETOMETER SURVEY

Processed:	RJM	Checked:	RJM
Date:	APRIL 1997	Township:	WEST SUNDAY LAKE
Province:	ONT.	N.T.S.:	
Scale:	1:5,000	Drawing:	MAGDATNT

RAYAN
EXPLORATION LTD.
CONTRACT CONSULTING GEOPHYSICS
TIMMINS, ONTARIO
(705)-268-4866

RECEIVED
AUG 17 1998
GEOGRAPHICAL SURVEY
DEPARTMENT OF