

42A06NW2010 2.18528 TISDALE

010

GEOPHYSICAL REPORT

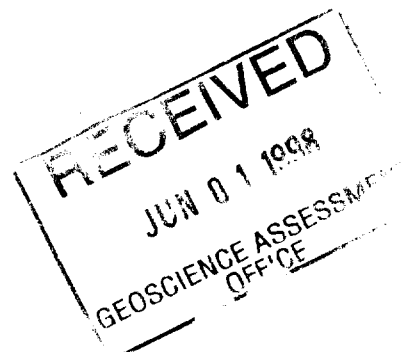
INDUCED POLARIZATION SURVEY/ MAGNETOMETER SURVEY

TISDALE TAILINGS PROPERTY

TISDALE TOWNSHIP, PORCUPINE MINING DIVISION, ONTARIO

for

JACK ROBERT



Submitted by: R.J. Meikle
Jan./98

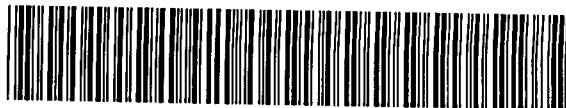


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INTRODUCTION

The following is a report on an I.P. and Magnetometer Survey carried out on the "Tisdale Tailings Property", Tisdale Township, Porcupine Mining Division, Ontario. The I.P. Survey was done by Rayan Exploration Ltd., Timmins, Ontario, for Jack Robert, recorded claim holder. The surveys were funded by an O.P.A.P. grant issued to Mr. Robert. Mr. Robert carried out the Linecutting and Magnetometer Survey and assisted on the I.P. Survey.

This report deals with the parameters used for the I.P. and Magnetometer Survey and an interpretation of the results. The property is covered with old mine tailings of varying thickness with outcrop in parts of the southeast claim. The surveys were done to locate possible disseminated sulphide mineralization and or chalcopryrite which is known to exist at the McIntyre Mine one claim south of the property.

LOCATION AND ACCESS

The property is comprised of 3 single unit, claims in the sw part of Tisdale Township, Porcupine Mining Division, Ontario. approximately 1.5km north of Schumacher, Ontario.

Access to the property is via truck on old roads leading east/northeast, approximately 800m from the intersection of Hwy #655 and Ross Avenue.

CLAIM STATUS

The property is comprised of 3 contiguous single unit, unpatented mining claims in the sw part of Tisdale Township, Porcupine Mining Division, Ontario. The claims are registered in the name of Jack Robert, Timmins, Ontario, and are numbered, 1218637, 1218638, 1207046.

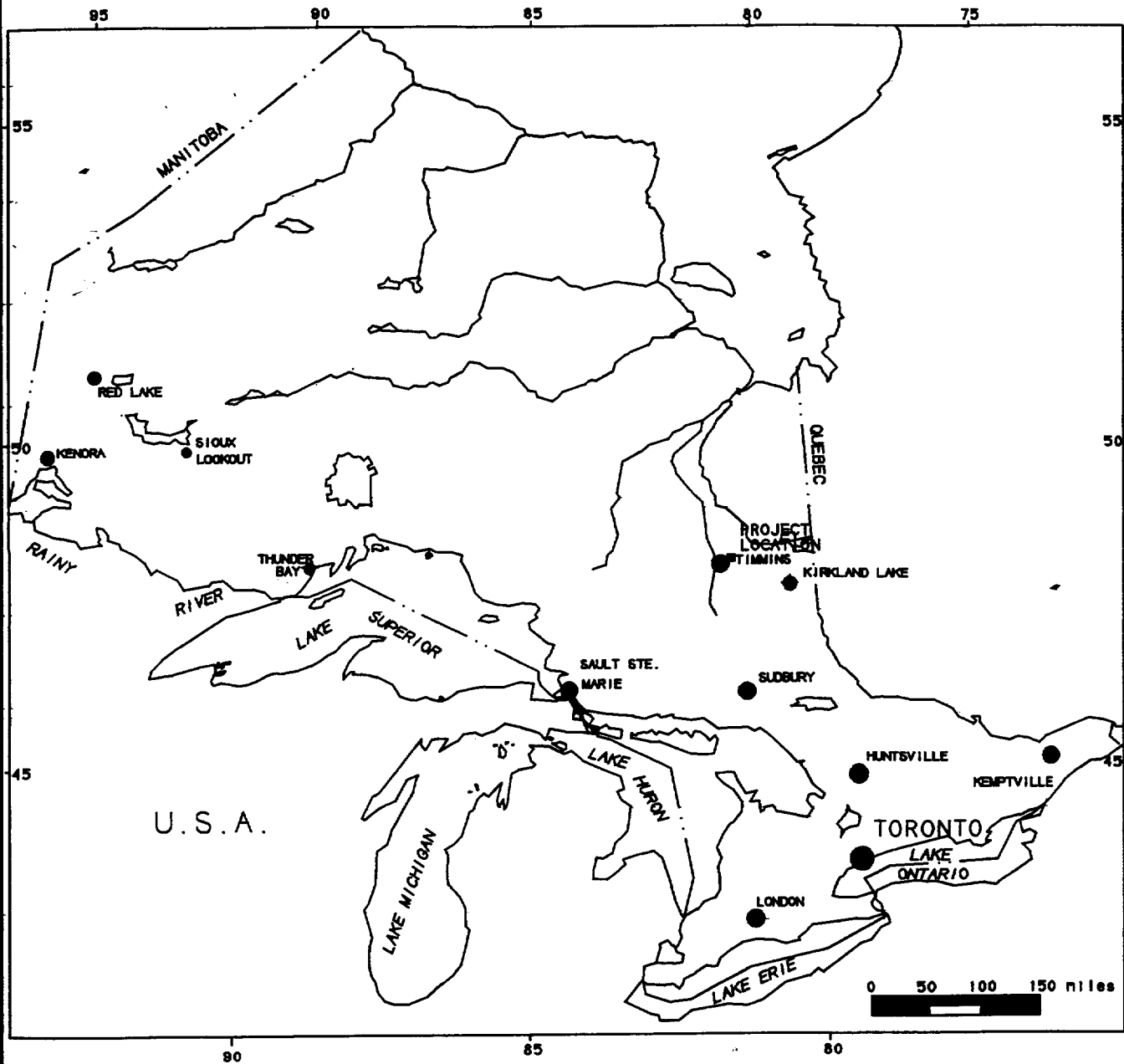
PERSONNEL

The following personnel were directly involved in the I.P. Survey:

R.J. Meikle	Timmins, Ontario
D. Brazeau	Timmins, Ontario
R. Chartrand	Timmins, Ontario
K. Giroux	Timmins, Ontario
L. Anderson	Timmins, Ontario

PROPERTY GEOLOGY AND PREVIOUS WORK

The only previous work found in the assessment files was several drill holes by Goldale Mines Limited in 1938. The holes were drilled northwest, mainly on present claim number 1218637 and 1207046. They reported mafic, pillowed volcanics in the holes as well as in outcrop in the southeast part of the property.



PROVINCE OF ONTARIO

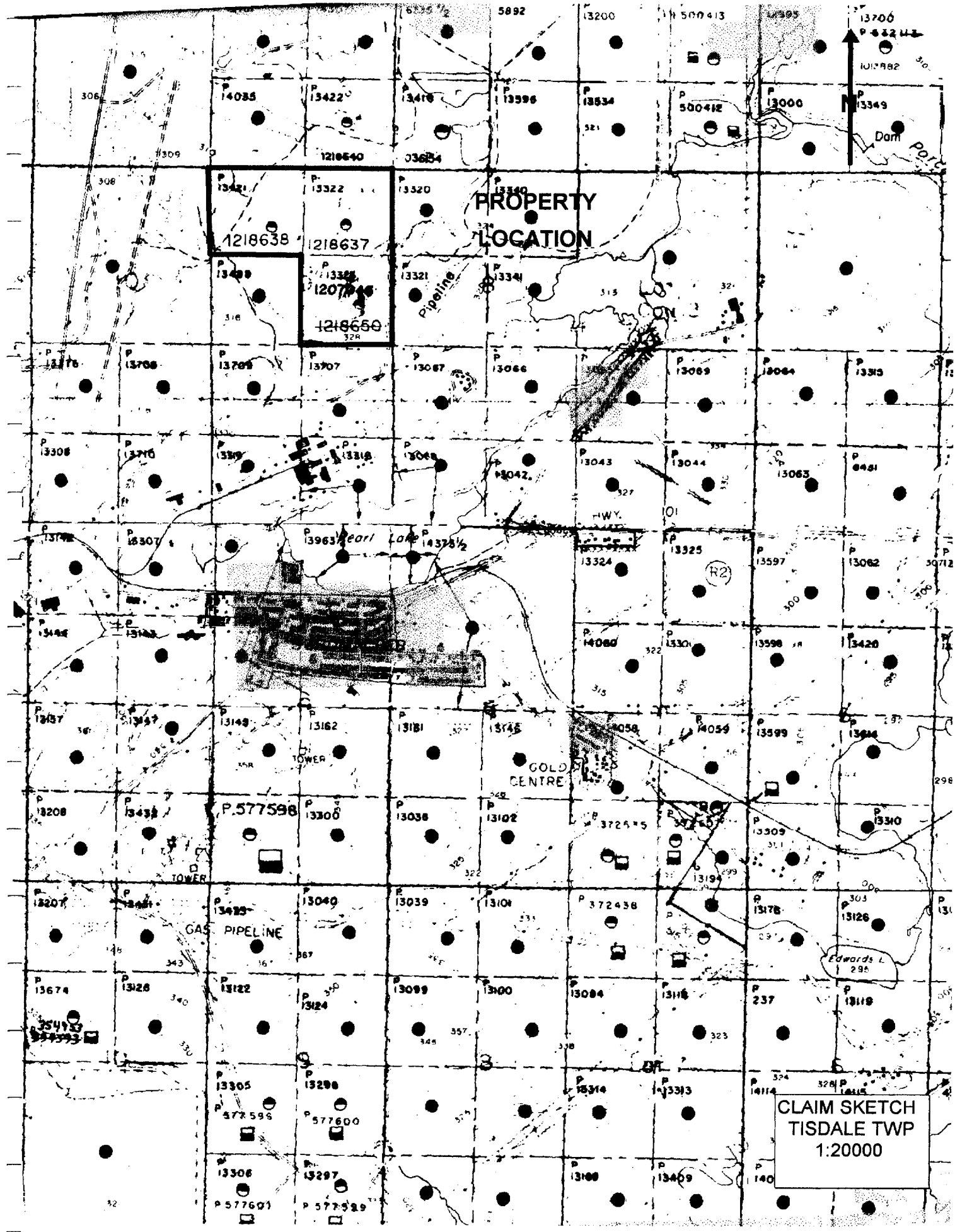
FIG 1

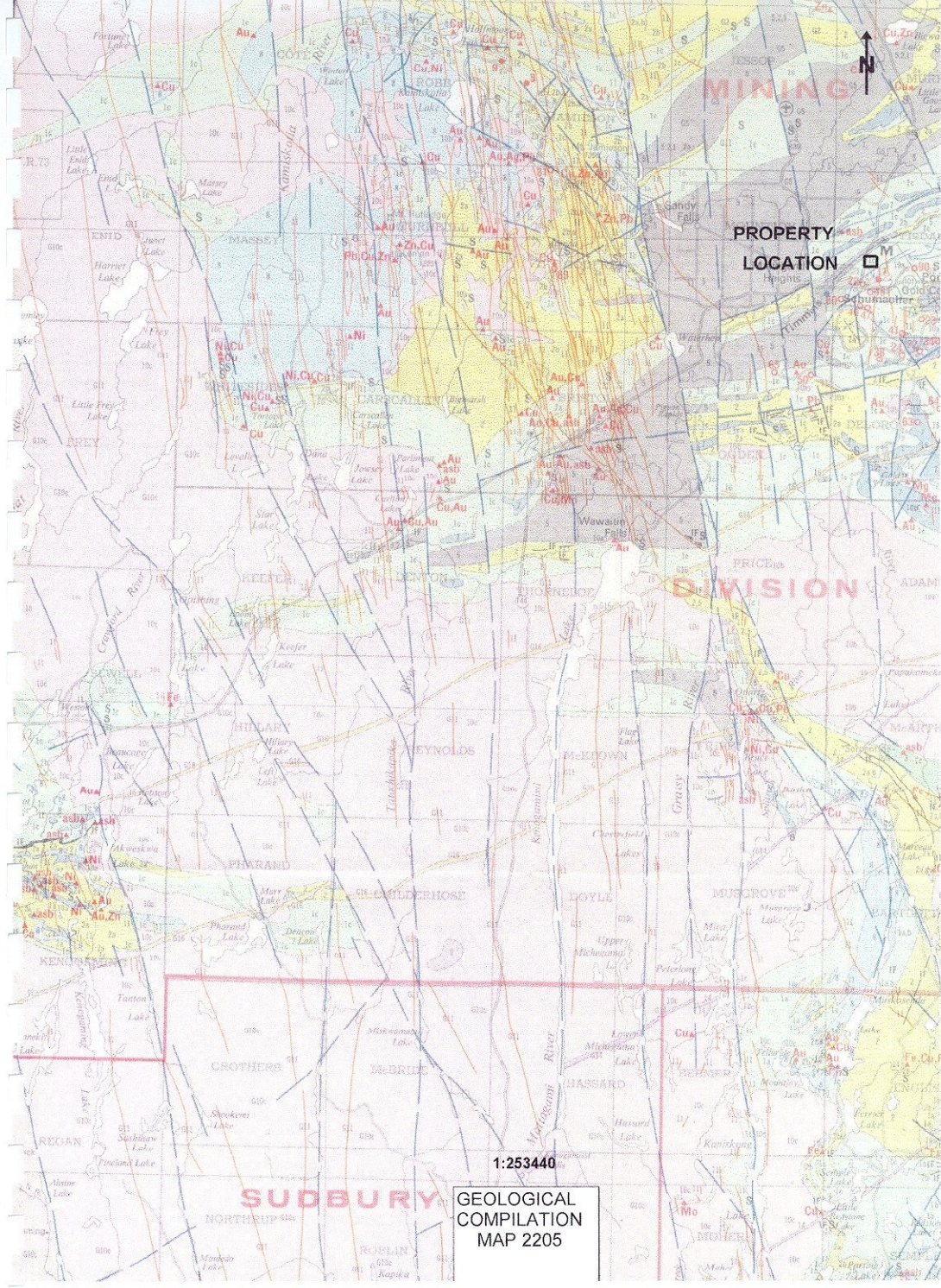
Client: JACK ROBERT OPAP/97

Property: TISDALE TWP PROPERTY

Title:
LOCATION MAP

Prepared: SDA	Checked: SDA
Date: JAN/97	Township: TISDALE
Province: ONT	County: 42A/NW
Map: 11-125a	Project: LOC





1:253440

GEOLOGICAL
COMPILATION
MAP 2205

SURVEY PARAMETERS

MAGNETOMETER SURVEY

A total of 6.5km of total field magnetometer survey was carried out on northsouth lines at 100m intervals, covering all three claims.

An EDA Omni Plus Proton Precession magnetometer was used to carry out the magnetometer survey. The instrument is synchronized with an EDA 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 - EDA Omni Plus Proton Precession Magnetometer
Station Interval - 25 m
Line Interval - 100m
Diurnal Correction Method - EDA Recording Base Station
Data Presentation - Magnetic Contoured & posted, Map 1
- 1:2500 scale
- Contour interval = 50 nano-teslas
- Datum subtracted = 57000 nT

Induced Polarization Survey

A very limited I.P. Survey was carried out on parts of Lines 400w, 200w, and 0e. The following is a brief description of the I.P. method and 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.

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.

IP 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: Individual Psuedosections
Plate 1 of 1 Scale: 1:2500

SURVEY RESULTS

The I.P. Survey outlined a moderately chargeable, slightly resistive anomaly on L400w/380n and L200w/380n (open to the north). There is a coincident, weak magnetic correlation with the I.P. anomaly on L400w. The I.P. anomaly on L200w is much broader and has a broad, coincident magnetic correlation as well. The anomaly on both lines appears to be the same feature, but more I.P. Survey would have to be done to determine this.

The I.P. Survey outlined some non chargeable, conductive zones such as L0e/0n and L0e/325s. More I.P. Survey is necessary to determine if there is a defined strike direction to them and or if they are reflecting more tailings cover.

The Magnetometer Survey outlined several areas of higher magnetic susceptibility, one being coincident with the I.P. anomaly described above.

There is a linear northsouth mag high on L0e/0n-400n, and a mag low on L100e/0n-400n. This may be caused by a northsouth dike but the area should be checked for a cultural cause such as a pipeline, etc., on the tailings. Another strong magnetic high on L400e/75n is also suspect as cultural.

CONCLUSIONS AND RECOMMENDATIONS

The I.P. Survey appears to have been effective in penetrating through the overburden which is primarily made up of old mine tailings. Because of the favourable location of the property relative to the McIntyre Mine and very limited previous work done on the property, the entire grid should be covered by an I.P. Survey. A priority area for the survey would be in the southern part of the property where Mr. Robert has reported chalcopyrite mineralization and extensive quartz veins.

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, Metallgesellschaft Canada Ltd. Sabina Industries, .S. Middleton Exploration Services Ltd., self employed 1979-1997 (Rayan Exploration Ltd.) and currently with Geophysical Engineering & 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 from the property, other than for professional fees rendered.

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


R.J. Meikle

APPENDIX 'A'

SCINTREX IPR-12, I.P 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.

Specifications

Inputs

1 to 8 dipoles are measured simultaneously.

Input Impedance

16 Megohms

SP Bucking

± 10 volt range. Automatic linear correction operating on a cycle by cycle basis.

Input Voltage (Vp) Range

50 μ volt to 14 volt

Chargeability (M) Range

0 to 300millivolt

Tau Range

1 millisecond to 1000 seconds

Reading Resolution of Vp, SP and M

Vp, 10 microvolt; SP, 1 millivolt; M, 0.01 millivolt/volt

Absolute Accuracy of Vp, SP and M

Better than 1%

Common Mode Rejection

At input more than 100db

Vp Integration Time

10% to 80% of the current on time.

IP Transient Program

Total measuring time keyboard selectable at 1, 2, 4, 8, 16 or 32 seconds. Normally 14 windows except that the first four are not measured on the 1 second timing, the first three are not measured on the 2 second timing and the first is not measured on the 4 second timing. (See diagram on page 2.) An additional transient slice of minimum 10 ms width, and 10ms steps, with delay of at least 40 ms is keyboard selectable.

Transmitter Timing

Equal on and off times with polarity change each half cycle. On/off times of 1, 2, 4, 8, 16 or 32 seconds. Timing accuracy of ± 100 ppm or better is required.

External Circuit Test

All dipoles are measured individually in sequence, using a 10 Hz square wave. The range is 0 to 2 Mohm with 0.1kohm resolution. Circuit resistances are displayed and recorded.

Synchronization

Self synchronization on the signal received at a keyboard selectable dipole. Limited to avoid mistriggering.

Filtering

RF filter, 10 Hz 6 pole low pass filter, statistical noise spike removal.

Internal Test Generator

1200 mV of SP; 807 mV of Vp and 30.28 mV/V of M.

Analog Meter

For monitoring input signals; switchable to any dipole via keyboard.

Keyboard

17 key keypad with direct one key access to the most frequently used functions.

Display

16 lines by 42 characters, 128 x 256 dots, Backlit Liquid Crystal Display. Displays instrument status and data during and after reading. Alphanumeric and graphic displays.

Display Heater

Available for below -15°C operation.

Memory Capacity

Stores approximately 400 dipoles of information when 8 dipoles are measured simultaneously.

Real Time Clock

Data is recorded with year, month, day, hour, minute and second.

Digital Data Output

Formatted serial data output for printer and PC etc. Data output in 7 or 8 bit ASCII, one start, one stop bit, no parity format. Baud rate is keyboard selectable for standard rates between 300 baud and 51.6 kBaud. Selectable carriage return delay to accommodate slow peripherals. Handshaking is done by X-on/X-off.

Standard Rechargeable Batteries

Eight rechargeable Ni-Cad D cells. Supplied with a charger, suitable for 110/230V, 50 to 60 Hz, 10W. More than 20 hours service at $+25^{\circ}\text{C}$, more than 8 hours at -30°C .

Ancillary Rechargeable Batteries

An additional eight rechargeable Ni-Cad D cells may be installed in the console along with the Standard Rechargeable Batteries. Used to power the Display Heater or as back up power. Supplied with a second charger. More than 6 hours service at -30°C .

Use of Non-Rechargeable Batteries

Can be powered by D size Alkaline batteries, but rechargeable batteries are recommended for longer life and lower cost over time.

Operating Temperature Range

-30°C to $+50^{\circ}\text{C}$

Storage Temperature Range

-30°C to $+50^{\circ}\text{C}$

Dimensions

Console: 355 x 270 x 165 mm

Charger: 120 x 95 x 55mm

Weights

Console: 5.8 kg

Standard or Ancillary Rechargeable

Batteries: 1.3 kg

Charger: 1.1 kg

Transmitters available

IPC-9 200 W

TSQ-2E 750 W

TSQ-3 3 kW

TSQ-4 10 kW

SCINTREX

In Canada

222 Snidercroft Rd. Tel.: (905) 669-2280
Concord, Ontario Fax: (905) 669-6403
Canada, L4K 1B5 Telex: (905) 06-964570

In the U.S.A.

85 River Rock Drive Tel.: (716) 298-1219
Unit # 202 Fax: (716) 298-1317
Buffalo, N.Y.
U.S.A. 14207

APPENDIX 'B'

SCINTREX TSQ-3 - I.P. TRANSMITTER

SCINTREX TSQ-3

Time and Frequency Domain IP and Resistivity Transmitter

3000 W

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.

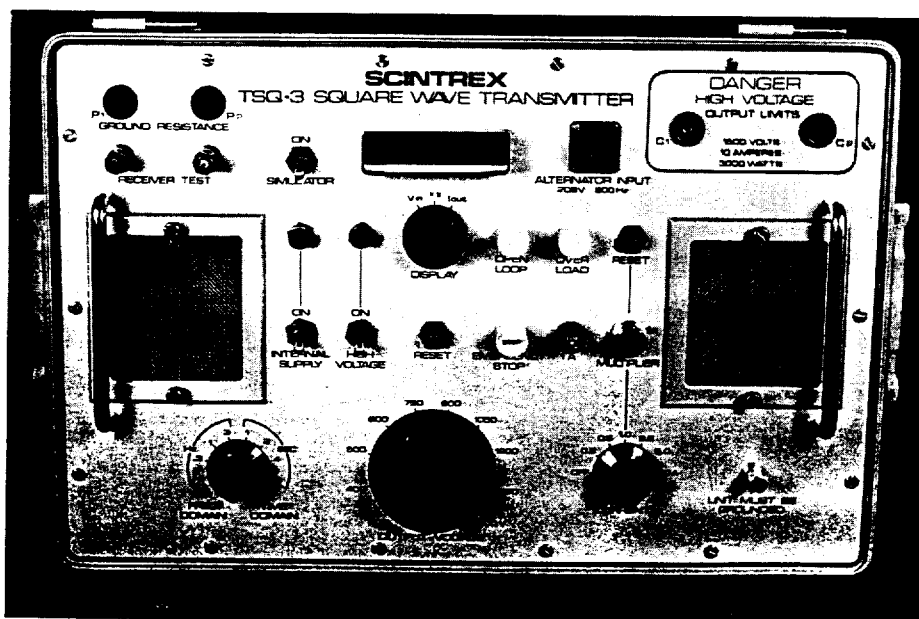
Rectifier circuit is protected against transients.

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.

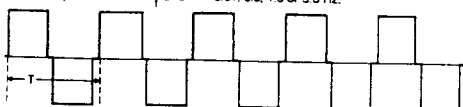
New motor-generator design eliminates need for time domain dummy load.



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

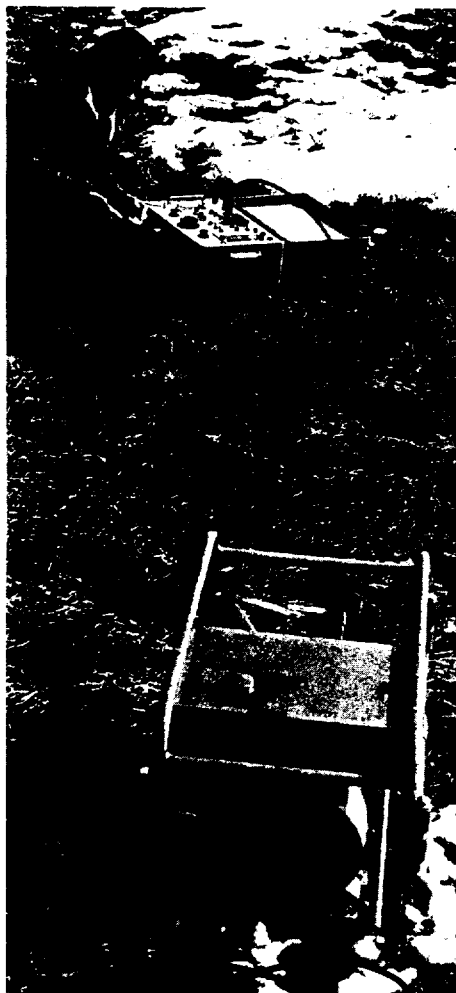


Frequency Domain: $T = \frac{1}{f}$ and $f = 0.01, 0.3, 1.0$ or 3.0 Hz.



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: 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



Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use)
 W9860.00566
 Assessment Files Research Imaging

2 3 7 5



42A06NW2010 2.18528 TISDALE 900

5(2) and 66(3) of the Mining Act, this form is to be used by the mining land holder. Questions about this collection should be directed to the Mining Land Administration, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B6.

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

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

Client Number	188148
Telephone Number	1-705-235-8029
Fax Number	1-705-235-8029
Client Number	103626
Telephone Number	1-705-268-4988
Fax Number	1-705-268-2602

Name: JACQUES ROBERT
 Address: Box 491 HAILEYBURY CRES. PORCUPINE ONT P0N-1C0
 Name: PAI ATKINSON
 Address: 522 MURRAY ST Timmins ONT P4N-7A9

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: DUCED POLARIZATION SURVEY. MAGNETOMETER SURVEY.

Office Use:

Commodity	
Total \$ Value of Work Claimed	2490
NTS Reference	
Mining Division	Porcupine
Resident Geologist District	Timmins

Work From: Day 05 Month 07 Year 1997 To Day 21 Month 11 Year 1997

Positioning System Data (if available): Township/Area TISDALE T.W.P. M or G-Plan Number 6-3976

- 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.

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

RAY MEKLE	Telephone Number
676 MURRAY ST. Timmins ONT P0N-1C0	Fax Number
	Telephone Number
	Fax Number
	Telephone Number
	Fax Number

Declaration of Assessment Work by Recorded Holder or Agent
 JACQUES ROBERT

do hereby certify that I have personal knowledge of the facts set forth in completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: Jacques Robert
 Date: MAY 28, 98
 Telephone Number: 1-705-235-8029
 Fax Number: 1-705-235-8029

RECEIVED
 JUN 01 1998
 10:21 AM
 GEOSCIENCE ASSIGNMENT OFFICE

RECEIVED
 MAY 28 1998
 4:10 PM
 PORCUPINE

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

W9860.00466

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank Value to be distributed at a future date
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1 1218638	1	\$890.00 \$800.00	\$ 800.00	\$90.00	
2 1218637	1	\$ 800.00	\$ 800.00		
3 1207046	1	\$ 800.00	\$ 890.00		
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		\$2,490.00	2,490.00	\$ 80.00	

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

Signature of Recorded Holder or Agent Authorized in Writing: Jacques Roderi Date: MAY 28, 1998

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

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

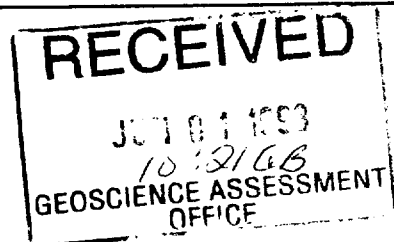
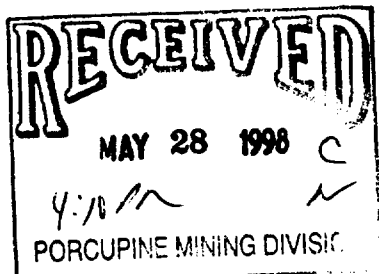
- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut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

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

For Office Use Only

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

0241 (03/97)



Information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Information 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 information should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 2K1.

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
INDUCED POLARIZATION	DOLLARS PER DAY	1,350.00	1,350.00
REPORT	DOLLARS PER DAY	200.00	600.00
PLOTTING	DOLLARS PER DAY	100.00	300.00
MAGNETOMETER READING	DOLLARS PER DAY	80.00	240.00
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
Total Value of Assessment Work			2,490.00

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Calculations of Filing Discounts:

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

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

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

Certification verifying costs:

JACQUES ROBERT (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

Declaration of Work form as JACQUES ROBERT (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature: Jacques Robert Date: MAY 28/98

MAY 28 1998
4:10 PM
PORCUPINE MINING DIVISION

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

Telephone: (888) 415-9846
Fax: (705) 670-5881

August 25, 1998

JACQUES ROBERT
321 HAILEYBURY CRESCENT
PORCUPINE, Ontario
P0N-1C0

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

Dear Sir or Madam:

Submission Number: 2.18528

Status

Subject: Transaction Number(s): W9860.00566 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 jeromel2@epo.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,



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

Work Report Assessment Results

Submission Number: 2.18528

Date Correspondence Sent: August 25, 1998

Assessor: Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9860.00566	1218638	TISDALE	Approval	August 25, 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):

JACQUES ROBERT
PORCUPINE, Ontario

PATRICK JOHN ATKINSON
TIMMINS, ONTARIO

MURPHY TWP.

MAP SYMBOLOLOGY

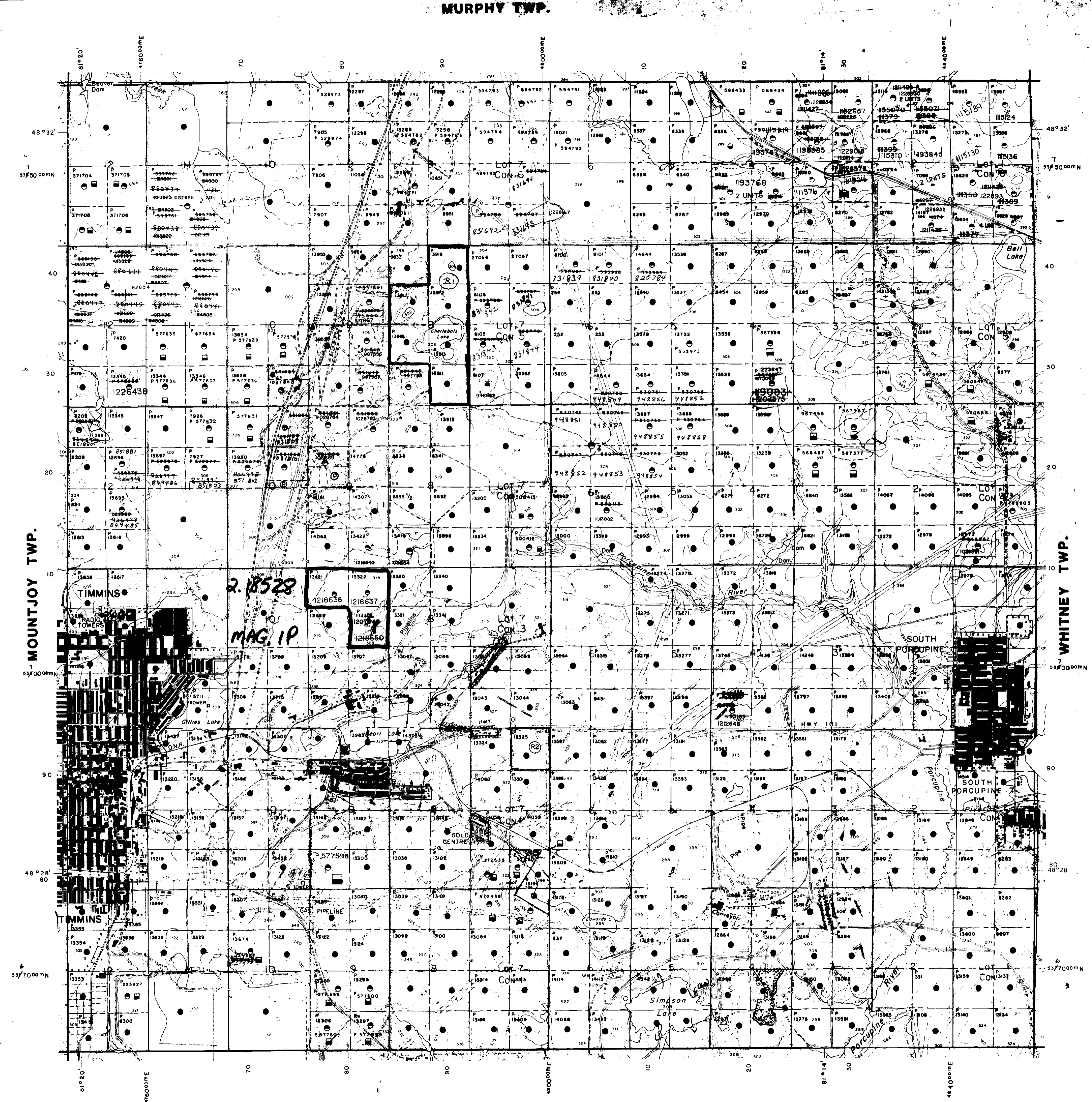
Aerial Cableway	Pipeline
Boundary	Railroad
Contour	Road
Culvert	Reservoir
Dam	River, Stream, Canal
Ditch	Spot Elevation
Drainage	Tower
Feature Outline	Transmission Line
Flooded Land	Tunnel
Lock	Utility Poles
Marsh or Swamp	Wharf, Dock, Pier
Mast	Wooded Area
Mine Head Frame	
Outcrop	

AREAS WITHDRAWN FROM DISPOSITION

Description	Order No.	Date	Disposition	File
M.R.O. - MINING RIGHTS ONLY				
S.R.O. - SURFACE RIGHTS ONLY				
M.S.S. - MINING AND SURFACE RIGHTS				

NOTE: THE SURFACE AND MINING RIGHTS ARE WITHDRAWN FROM PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 33 OF THE MINING ACT R.S.O. 1990, DATED MAY 29, 1996 AT ORDER NO. W-P-23/96 HER.

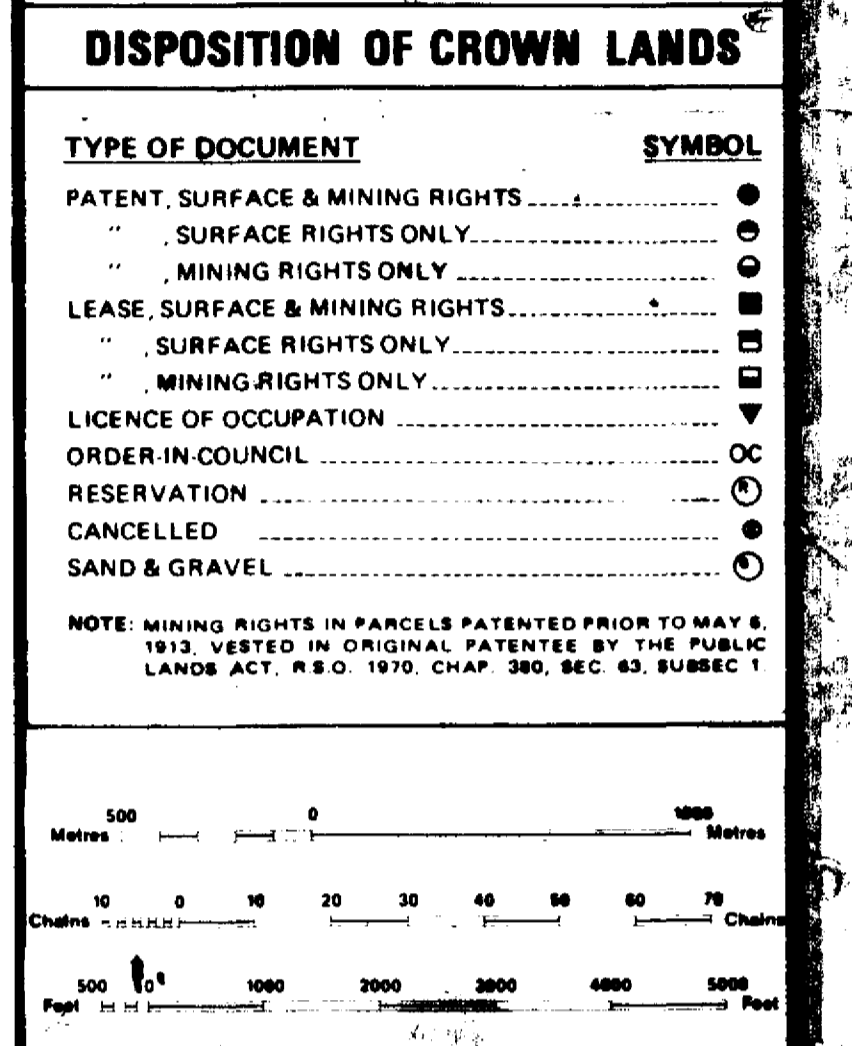
NOTE: MINING RIGHTS ONLY WITHDRAWN FROM PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 33 OF THE MINING ACT R.S.O. 1990, DATED MAY 29, 1996 AT ORDER NO. W-P-23/96 HER.



DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
SURFACE RIGHTS ONLY	○
MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	◑
SURFACE RIGHTS ONLY	◒
MINING RIGHTS ONLY	◓
LICENSE OF OCCUPATION	◔
ORDER IN COUNCIL	OC
RESERVATION	◕
CANCELLED	◖
SAND & GRAVEL	◗

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8, 1913 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1910, CHAP. 380, SEC. 43, SUBSEC. 1



TOWNSHIP

TISDALE

M. N. R. ADMINISTRATIVE DISTRICT DATE OF ISS. MAR 25 1998

TIMMINS

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE

PROVINCIAL RECORDS OFFICE - SUBDIVISION

Ministry of Natural Resources

Land Management Branch

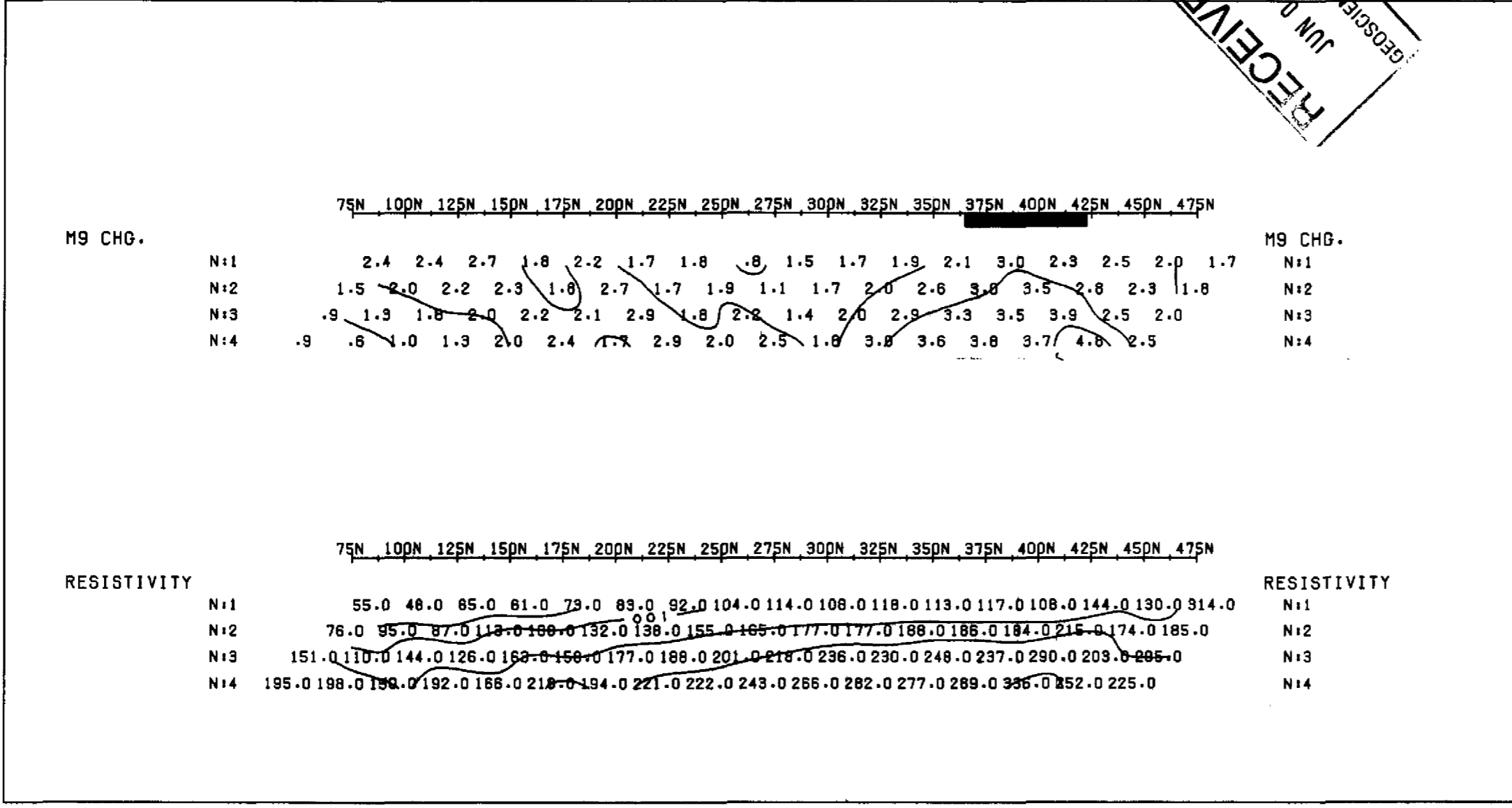
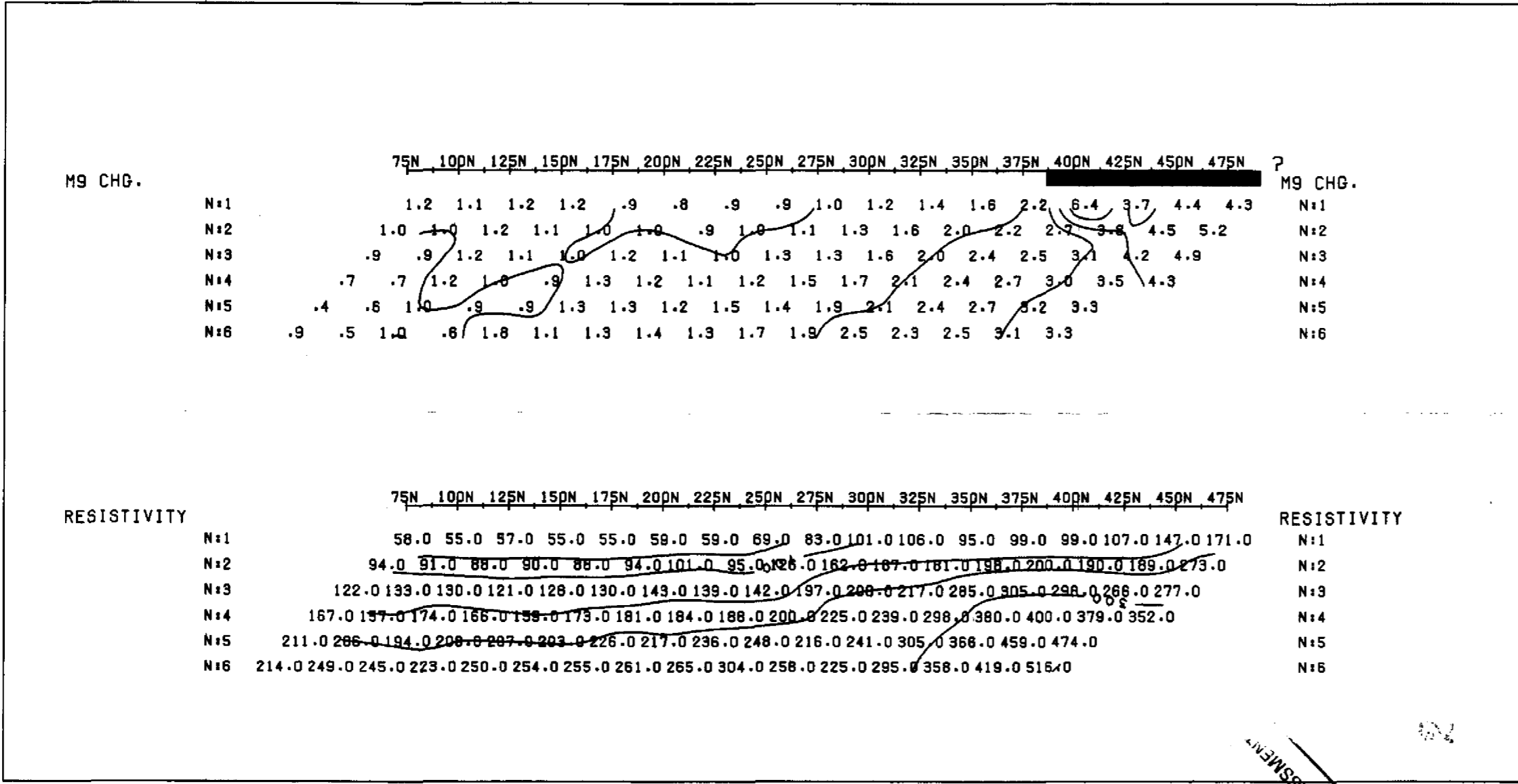
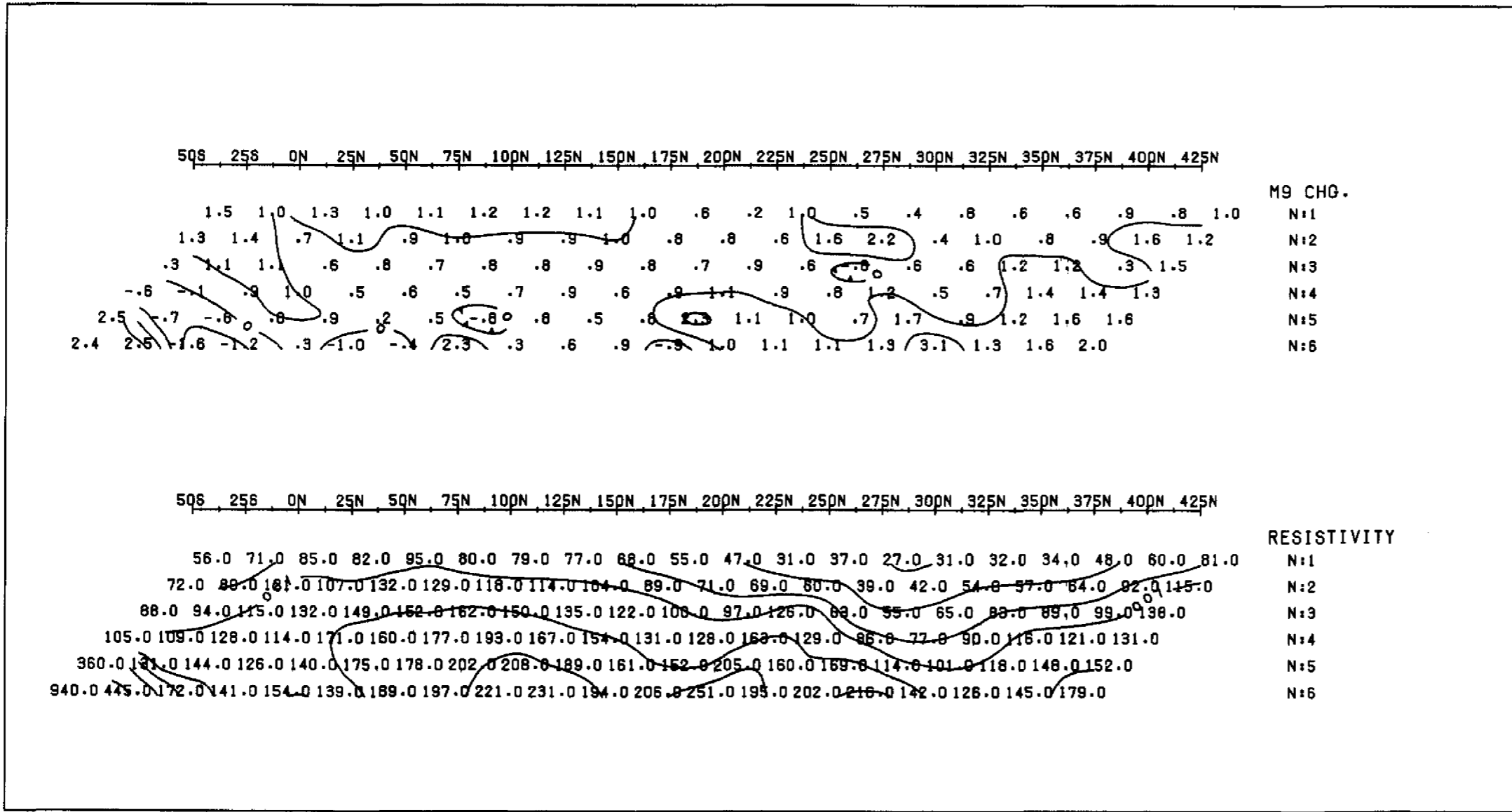
Ontario

ORIGINAL COMPILED JULY 1984

REVISED

Number: **G-3976**

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



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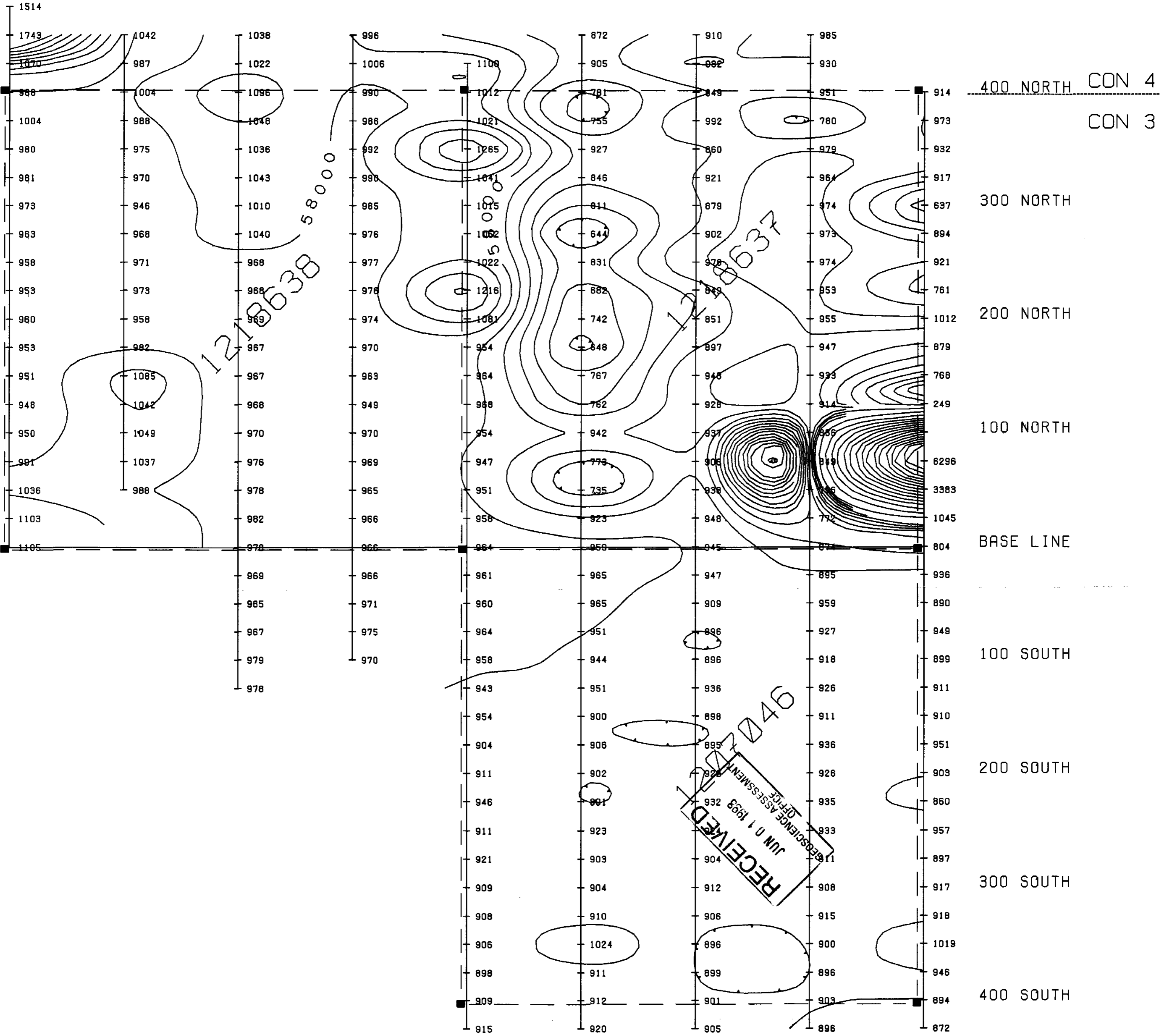


JACK ROBERT
 TISDALE TWP. PROPERTY
 I.P. PSUEDOSECTIONS
 PLATE 1 of 1 1:2500

LOT 9

LOT 8

400 WEST 300 WEST 200 WEST 100 WEST 0 100 EAST 200 EAST 300 EAST 400 EAST



LEGEND

INSTRUMENT: EDA OMNI PROTON PRECESSION MAGNETOMETER
 PARAMETERS MEASURED: EARTH'S TOTAL MAGNETIC FIELD (NANO-TESLAS)
 READING INTERVAL: 25 METERS
 CONTOUR INTERVAL: 50 NANO-TESLAS
 DIURNAL CORRECTION METHOD: RECORDING OMNI BASE STATION
 DATUM SUBTRACTED FROM ALL PLOTTED READINGS: 57000 nT
 SURVEYED BY: JACK ROBERT



Client: JACK ROBERT	
Property: TISDALE TWP. PROPERTY	
Title: POSTED & CONTOURED MAGNETOMETER SURVEY	
Processed: R.J. MEIKLE	Checked: RJM
Date: DEC. 1997	Township: TISDALE
Province: ONTARIO	N.T.S.:
Scale: 1:2500	Drawing: MAG

