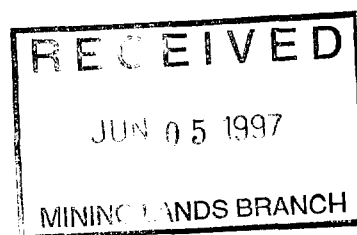




VAL D'OR SAGAX INC.  
50 Lamaque Boulevard  
Val-d'Or (Quebec)  
Canada J9P 2H6  
Tel: (819) 874-2001  
Fax: (819) 874-2002  
BBS: (819) 874-2005

**2.17375**

**A REPORT ON INDUCED POLARIZATION SURVEY**  
performed on the  
**NEW YEAR'S EVE PROJECT**  
**HARKER AND GARRISON TOWNSHIPS, ONTARIO**  
submitted to  
**ABITIBI MINING CORPORATION**  
97-N170                      April 1997



32D05NW0132 2.17375 HARKER

010

Geophysical Contracting & Consulting since 1980

Canada • Peru • Bolivia • Morocco • Burkina • Mali

## TABLE OF CONTENTS

1. INTRODUCTION .....	3
2. THE NEW YEAR'S EVE PROJECT .....	3
2.1. Location and access .....	3
2.2. Description .....	3
2.3. Survey grid .....	3
3. PHYSICAL SURVEY AND INSTRUMENTATION .....	6
3.1. Generalities .....	6
3.2. The dipole-dipole array .....	6
3.3. Equipment .....	6
3.4. I.P. survey parameter calculations .....	7
3.5. Quality control .....	8
4. RESULTS AND INTERPRETATION .....	8
5. CONCLUSION AND RECOMENDATIONS .....	9

### LIST OF FIGURES

Figure 1 : General location .....	4
Figure 2 : Index of claims and survey area .....	5
Figure 3 : The dipole-dipole array. ....	6
Figure 4 : Transmitted signal at C <sub>1</sub> -C <sub>2</sub> . ....	6
Figure 5 : Windows of integration of the signal at P <sub>1</sub> -P <sub>2</sub> . ....	7

### ATTACHED TO THIS REPORT

#### Maps at a scale of 1 : 5 000

##### Interpretation

97-N170-4.0            Geophysical interpretation

##### Induced polarization survey

97-N170-4.1            Resistivity & polarisability profiles

### MAPS SUBMITTED SEPARATELY

#### Maps at a scale of 1 : 5 000 (one copy)

##### Induced polarization survey

97-N170-4.4            Stacked polarisability pseudosections

97-N170-4.5            Stacked polarisability pseudosections



010C

## **1. INTRODUCTION**

In January 1997, ABITIBI MINING CORPORATION has mandated VAL D'OR SAGAX INC. to carry out an induced polarization (IP) survey on their property in the townships of Harker and Garrison, namely the NEW YEAR'S EVE PROJECT in the north-eastern part of the province of Ontario.

After a brief description of the method employed, we discuss the results obtained and attempt to interpret them in the light of the available information. Based on the results of this interpretation, we establish what further work, if any, should be performed.

## **2. THE NEW YEAR'S EVE PROJECT**

### **2.1. Location and access**

The NEW YEAR'S EVE property is located 36 kilometres N-NE of the town of Kirkland Lake in the central west portion of Harker Township and extending west 1 kilometre into Garrison Township (Figure 1). Access from Kirkland Lake is by the Harker-Holloway access road (Hwy 672). This road leads north from Highway 66 thirteen kilometres east of Kirkland Lake to Highway 101, a distance of 43 kilometres. An abandoned logging road located 4 kilometres north of the Elliot/Harker Township line leads west and south 6 kilometres to the property.

### **2.2. Description**

The EAGER LAKE PROJECT consists of 4 mining claims owned by ABITIBI MINING CORP., in northeastern Ontario, three of them are located in the Harker Township and one is straddling the Harker-Garrison Township line (Figure 2). All four claims were partially covered by the present field work.

### **2.3. Survey grid**

The property was separated into four sets of lines for a total of nine lines. The three western sets of lines were joined by a baseline striking  $70^{\circ}\text{N}$ . Lines 200E, 400E, 1000E, 1200E, 2600E and 2800E were cut at  $90^{\circ}$  from the baseline, while lines 4000E, 4200E and 4400E were cut farther south from the baseline at the same  $90^{\circ}$  angle. They were all regularly picketed and chained every 25 metres.

Figure 1: General location

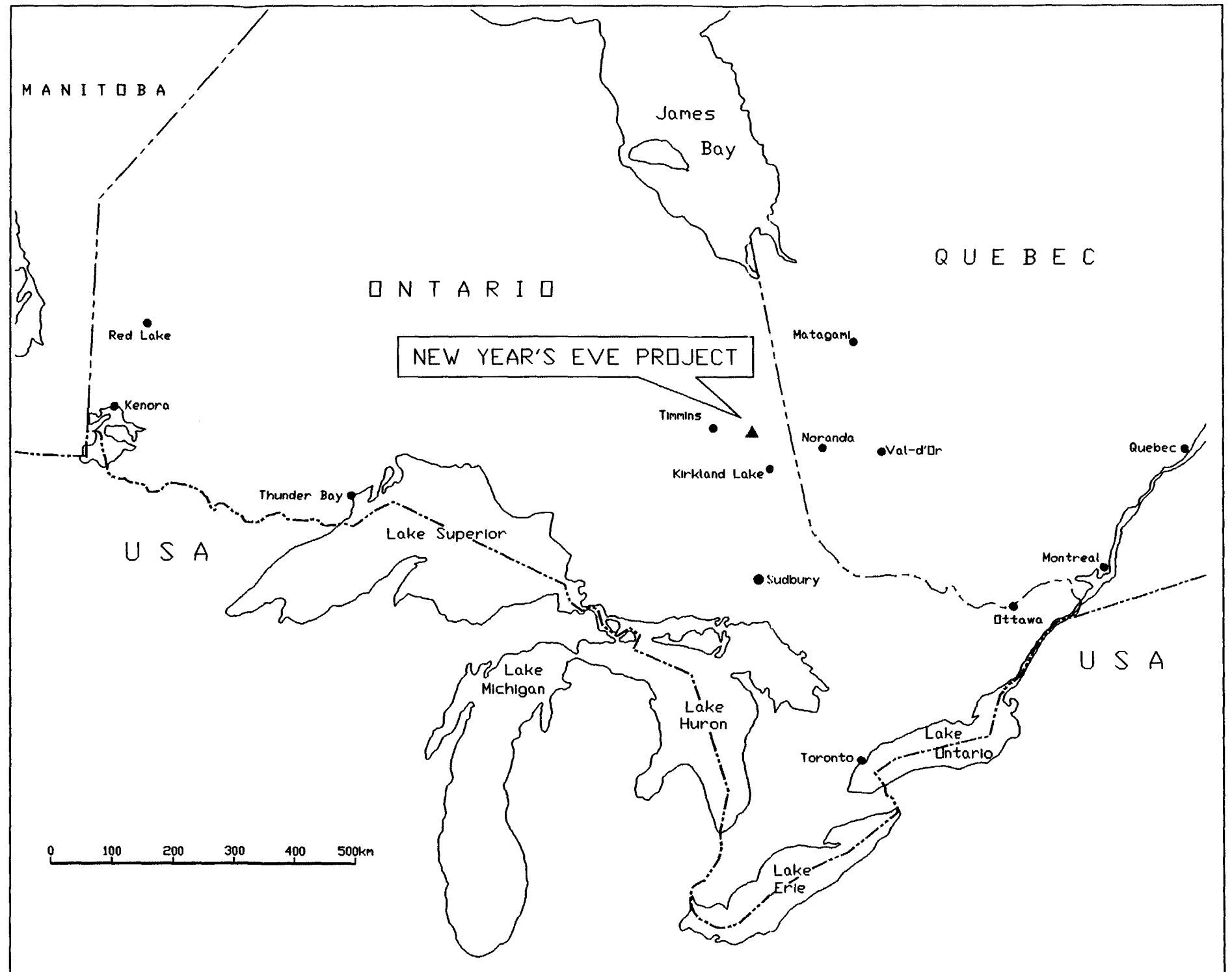
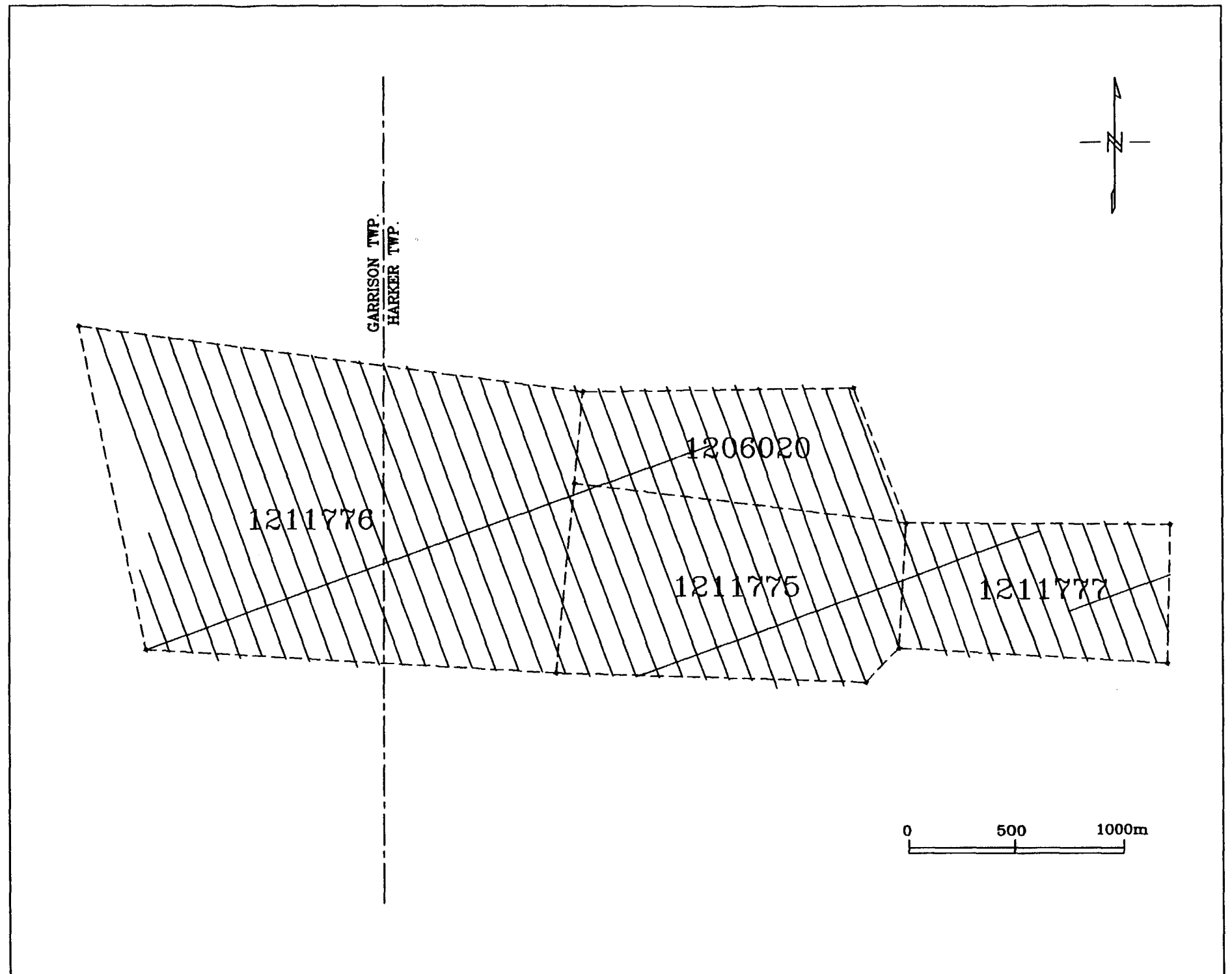


Figure 2: Index of claims and survey area



### 3. PHYSICAL SURVEY AND INSTRUMENTATION

#### 3.1. Generalities

A total of 8,15 line-kilometres were covered by the induced polarization survey from January 15<sup>th</sup> to 19<sup>th</sup>, 1997. The IP survey was performed by Mr. Martin Dubois, geophysicist, assisted by four other workers.

#### 3.2. The dipole-dipole array

The dipole-dipole array was used (see figure 3) for the investigation of 8,15 line-kilometres performed over NEW YEAR'S EVE PROJECT. The nominal spacing  $a$  between the electrodes was set at 25 metres and the separation  $n$  between dipoles ranged from 1 to 5.

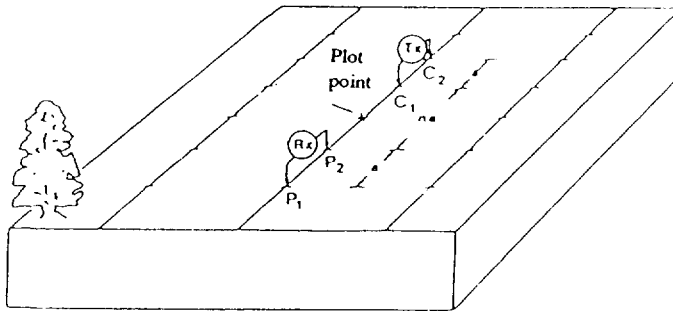


Figure 3 : The dipole-dipole array

#### 3.3. Equipment

The induced polarization equipment used consisted of a transmitting device as well as a receiving device, both working in the time domain. A Phoenix Geophysics Ltd. model IPT-1 transmitter, powered by a MG-1 motor generator capable of supplying 1,0 kW of continuous power was used to provide a stable current. Stainless steel electrodes were used to provide contact with the ground for the transmission of current as well as the reception of the signal. The signal was transmitted with a period of 8 seconds and an effective cycle of 50% (Figure 4).

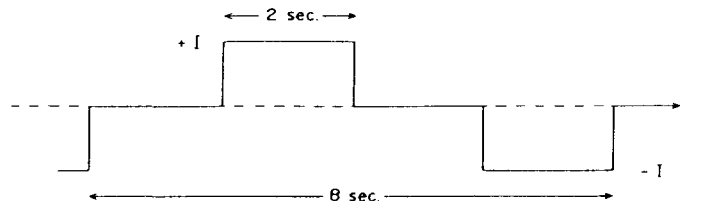


Figure 4 : Transmitted signal at C<sub>1</sub>-C<sub>2</sub>

The primary voltage  $V_p$  and the apparent chargeability  $M$  were measured with an ELREC-6 IP receiver manufactured by IRIS Instrument Ltd. The integration of the transitory voltage, after current shut-off, was performed over 10 windows of equal duration (160 ms each) (Figure 5). The  $M_1$  to  $M_{10}$  values read at the receiver are automatically normalized in function to a decay curve obtained from a pure electrode polarization effect. All parasitic contributions to this signal can then be filtered by observing the deviation between the  $M_1$  to  $M_{10}$  read at the receiver.

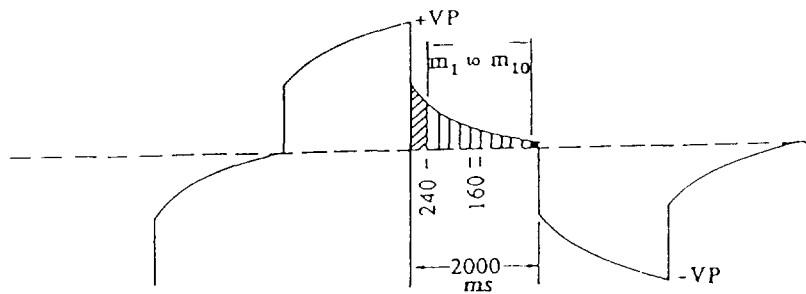


Figure 5 : Windows of integration of the signal at  $P_1$ - $P_2$

### 3.4. I.P. survey parameter calculations

Apparent resistivity was determined using the following equation :

$$\rho = \pi \cdot \frac{V_p}{I} \cdot n(n+1) \cdot (n+2) \cdot a \quad (\text{in } \Omega \cdot m)$$

Where

- $a$  = dipole length (25 metres)
- $n$  = dipole separation factor
- $V_p$  = primary voltage (mV)
- $I$  = injected current (mA)

The chargeability  $M$  is expressed in mV/V and represents the average of the 10 normalized windows.

The metal factor is obtained by the following relation :  $FM = \frac{1000 \cdot M}{\sqrt{\rho_a}}$

The filter used for the posting and profiling of the apparent chargeability / resistivity plan map was of triangular type where each of the fifteen elements ( $n = 1$  to 5) used have equal weight.

### 3.5. Quality control

The error on the apparent resistivity is essentially on the analogue measurement of the current  $I$  and on the spacing  $a$  between electrodes, which comes to about a total of 5%.

The final chargeability measurement ( $M_1$  to  $M_{10}$ ) represents the average of about 6 to 10 cycles. The deviation between the 10 normalized windows is, in other hand, a better indication of the quality of a chargeability measurement. In fact, in the presence of parasitic signals such as telluric currents and electromagnet couplings, the repetition or stability of an IP reading would not necessarily mean good a quality reading since these parasitic signals are periodic and therefore affect each reading in a similar manner. The normalization allows to compare, in the field, the shape of the decay curve with one of a pure polarisation effect.

## 4. RESULTS AND INTERPRETATION

A total of 9 lines were surveyed over the NEW YEAR'S EVE PROJECT. Lines were surveyed in sets of two or three, separated from each other by 200 metres while each set is more than 600 metres apart making the interpretation difficult between the sets.

Apparent resistivity ranges from just under 50 ohm-m to over 1000 ohm-m in some zones. In some areas the resistivity stays under 100 ohm-m at the 5<sup>th</sup> dipole indicating that the bedrock was probably not reached by this farthest dipole. Apparent chargeability ranges from a low background of about 0 mV/V to anomalous highs of about 3 mV/V. Some weaker chargeability highs were not included in the interpretation because there were directly associated with an increase in resistivity therefore indicating a rise of the bedrock closer to surface.

It was possible to identify one axis, labelled IP-01, over lines 200E, 400E, 1000E and 1200E being at its strongest on lines 1000E and 1200E.

Two other anomalies were identified on the project, IP-02 on line 1000E is about 150 metres north of IP-01 and the weak IP-03 anomaly on line 4000E at 1225S .






## 5. CONCLUSION AND RECOMENDATIONS

The induced polarization survey carried out on NEW YEAR'S EVE PROJECT has been successful in delineating one apparent chargeability anomaly in a low resistivity zone located in the north west part of the property, which would be a good indication of a mineralized zone with semi-massive or disseminated sulphide. No good responses were detected on the rest of the grid but it was only partially covered.

At the moment, a good exploration target would be on line 1000E and 1200E at the IP-01 anomaly, but a better coverage should be performed to find the best target. It would be recommended to fill in between lines 400E and 1000E as well as survey additional lines to the east of line 1200E. Other areas of the property would need a deeper investigation demanding a different array set up such as separation  $a = 50$  metres.

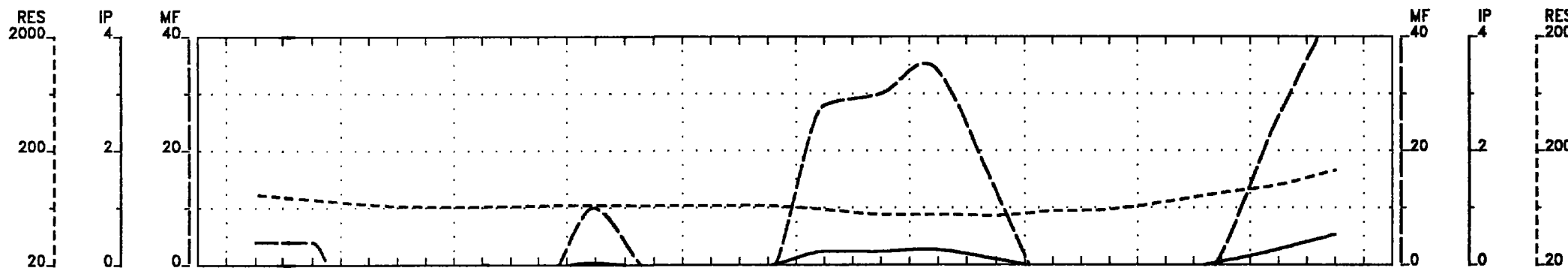
Respectfully submitted,

VAL D'OR SAGAX INC.

*Qual. # 2.17375*  
  
Dominique Bérubé  
Geophysicist

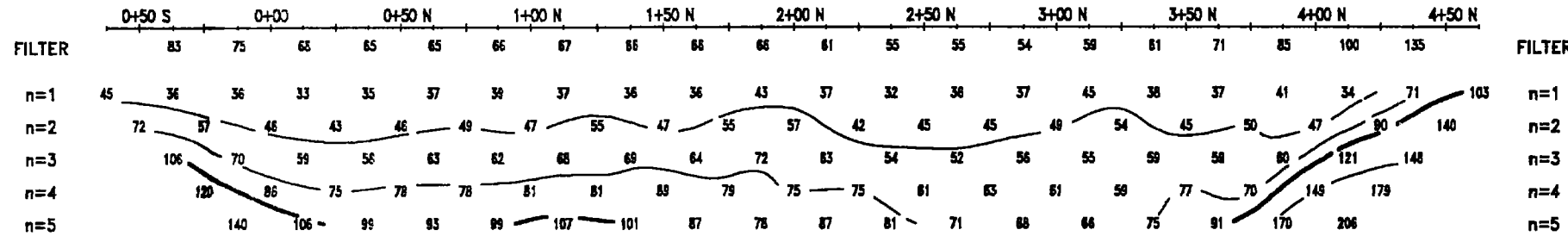
DB/sl

## **PSEUDOSECTIONS**



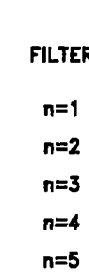
TOPOGRAPHY

APPARENT RESISTIVITY (ohm-m)

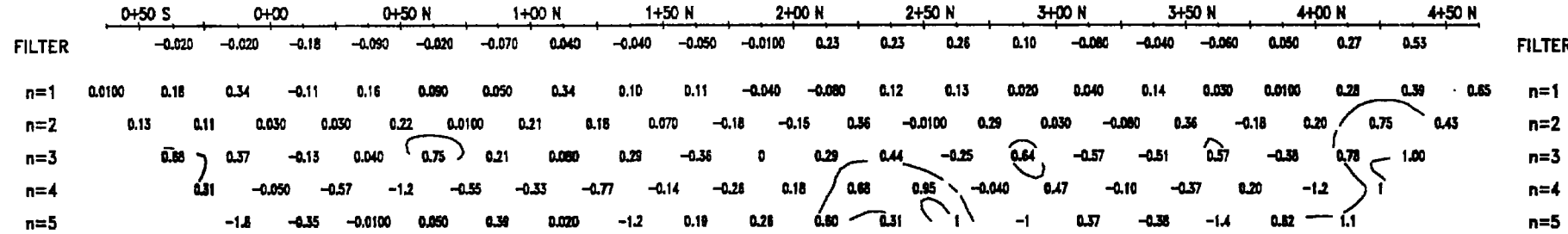


TOPOGRAPHY

APPARENT RESISTIVITY (ohm-m)

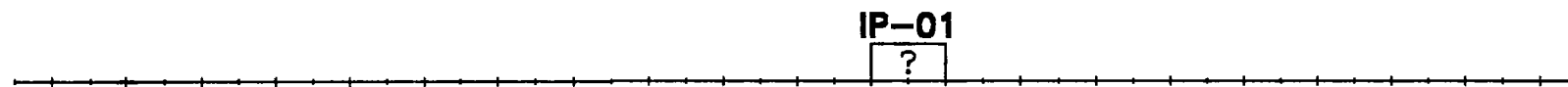


APPARENT POLARISABILITY (mV/V)



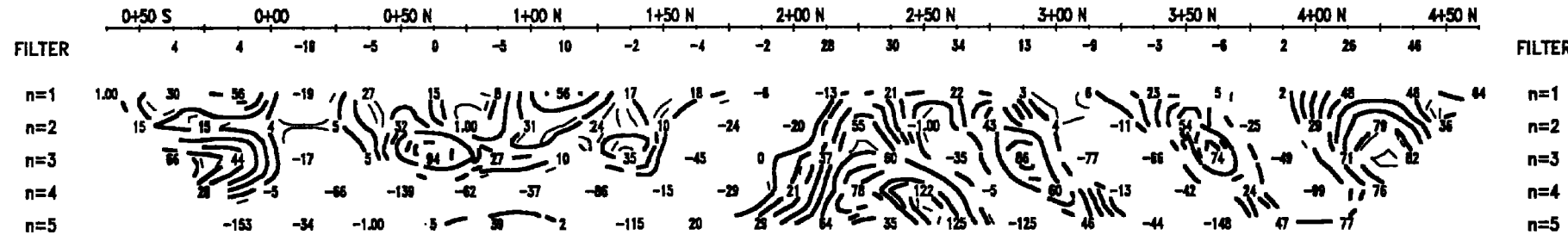
APPARENT POLARISABILITY (mV/V)

INTERPRETATION



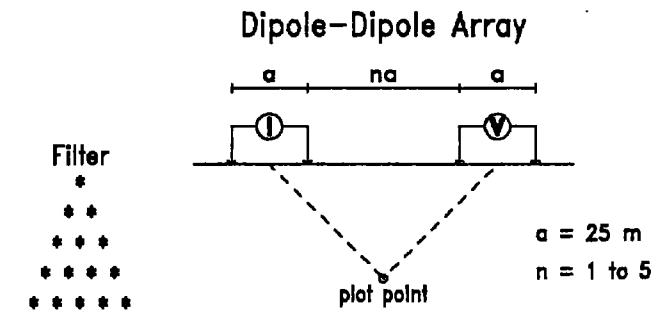
INTERPRETATION

METAL FACTOR (1000\*Ma/(Ra)~0.5)

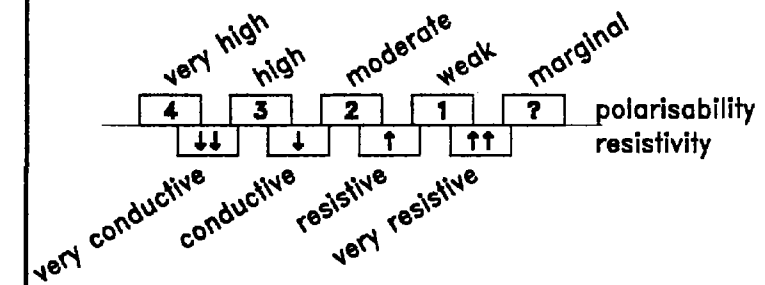


METAL FACTOR (1000\*Ma/(Ra)~0.5)

INDUCED POLARIZATION SURVEY



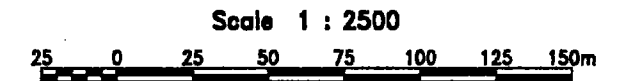
Interpretation legend



Contour Interval:  
Resistivity: 1, 1.5, 2, 3, 5, 7.5, 10,..  
Polarisability: 0.5  
Metal Factor: 2

Instruments: IRIS ELREC-6, PHOENIX IPT-1, MG-1

Line 2+00E

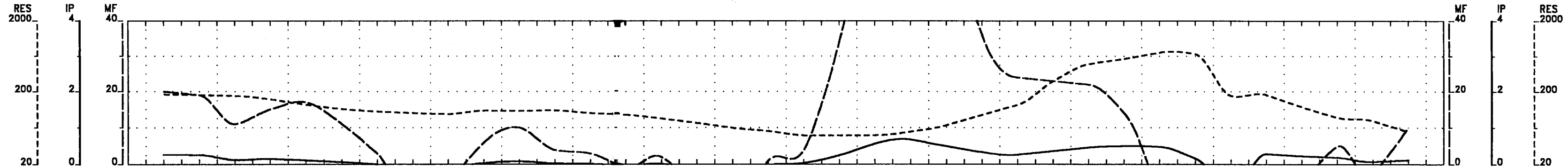


ABITIBI MINING CORPORATION

New Year's Eve Project  
Harker and Garrison Townships  
District of Cochrane, Ontario

Interpreted by: Martin Dubois B. Sc.  
Date of survey: January 1997  
Surveyed by: Martin Dubois  
Reference: 97-N170

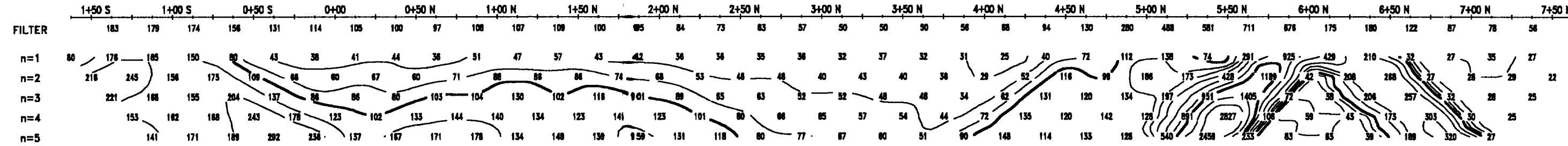
VAL D'OR  
SAGAX



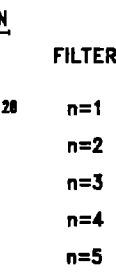
TOPOGRAPHY

TOPOGRAPHY

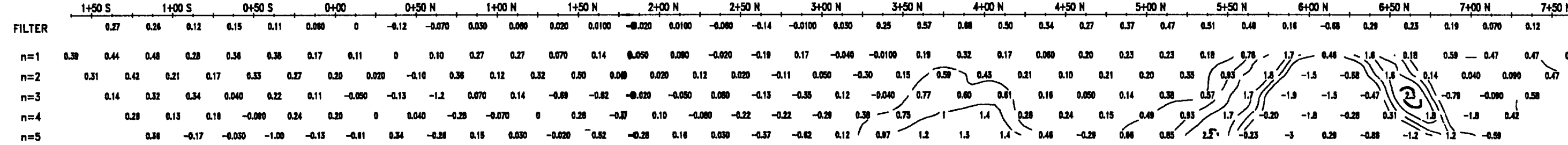
APPARENT RESISTIVITY (ohm-m)



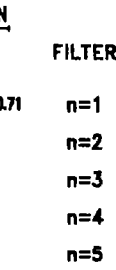
APPARENT RESISTIVITY (ohm-m)



APPARENT POLARISABILITY (mV/V)



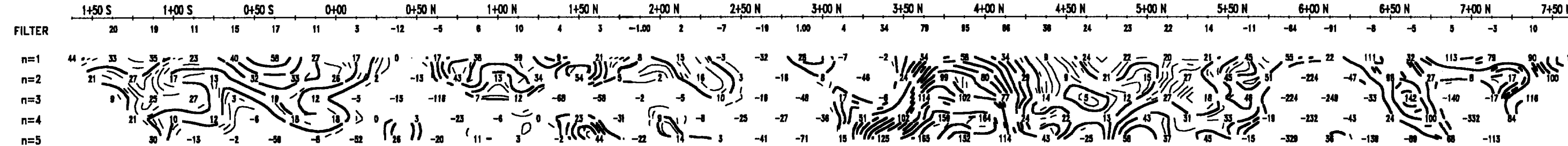
APPARENT POLARISABILITY (mV/V)



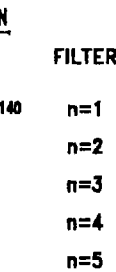
INTERPRETATION

INTERPRETATION

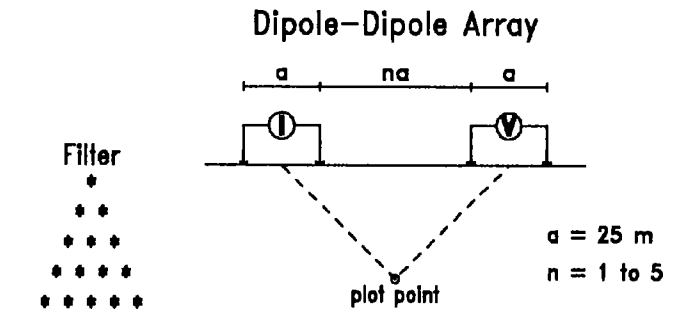
METAL FACTOR (1000\*Ma/(Ra)~0.5)



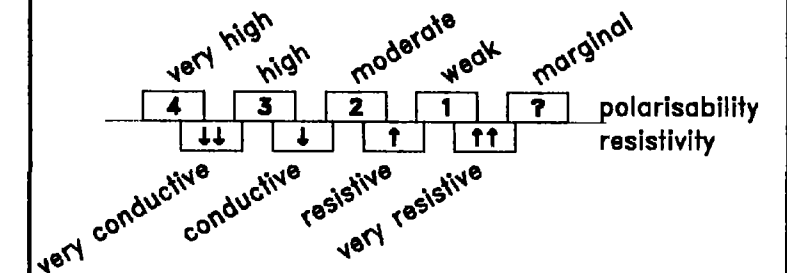
METAL FACTOR (1000\*Ma/(Ra)~0.5)



INDUCED POLARIZATION SURVEY



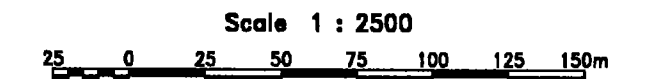
Interpretation legend



Contour Interval:  
Resistivity: 1, 1.5, 2, 3, 5, 7.5, 10,..  
Polarisability: 0.5  
Metal Factor: 2

Instruments: IRIS ELREC-6, PHOENIX IPT-1, MG-1

Line 4+00E

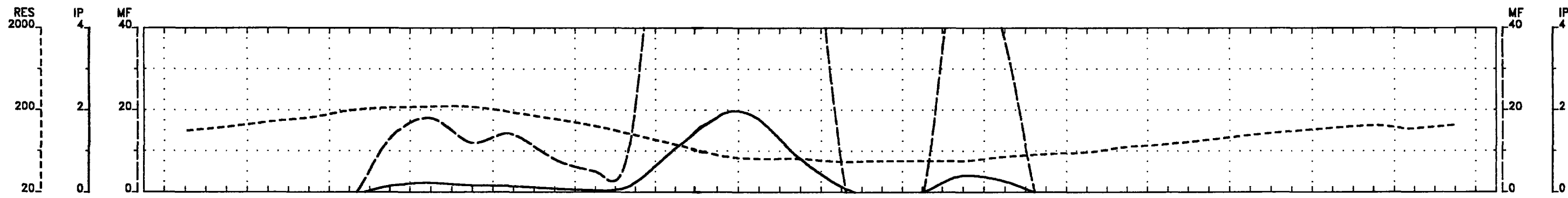


ABITIBI MINING CORPORATION

New Year's Eve Project  
Harker and Garrison Townships  
District of Cochrane, Ontario

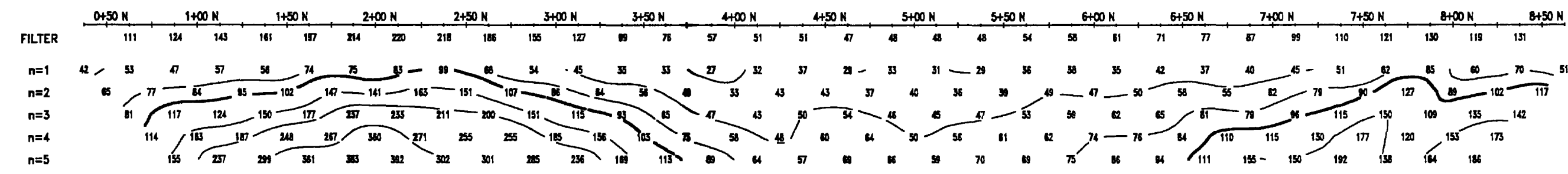
Interpreted by: Martin Dubois B. Sc.  
Date of survey: January 1997  
Surveyed by: Martin Dubois  
Reference: 97-N170

VAL D'OR  
SAGAX

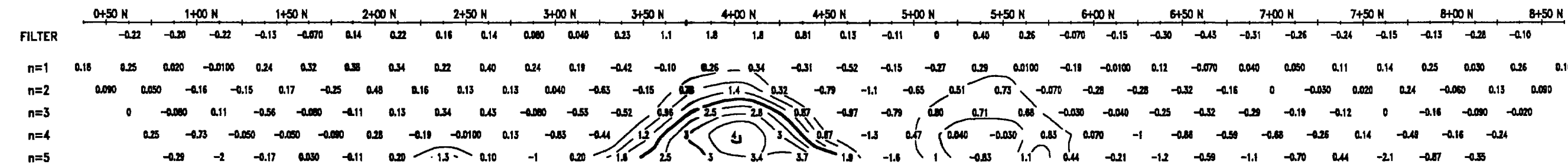


TOPOGRAPHY

APPARENT RESISTIVITY (ohm-m)

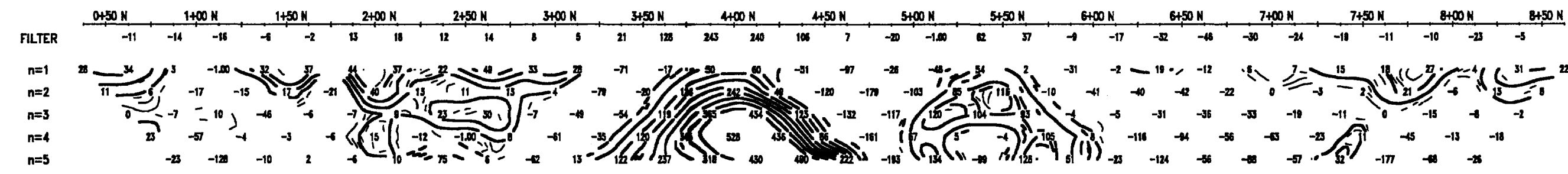


APPARENT POLARISABILITY (mV/V)



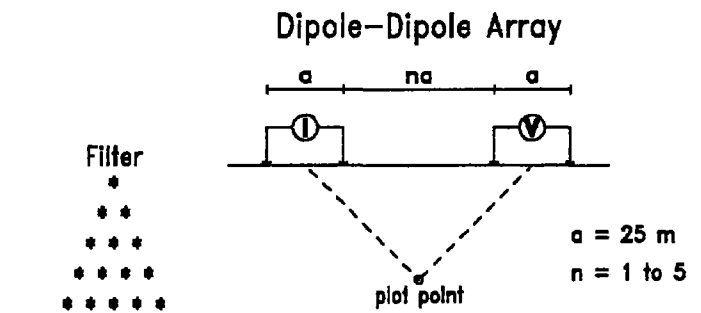
INTERPRETATION

METAL FACTOR (1000\*Ma/(Ra)~0.5)



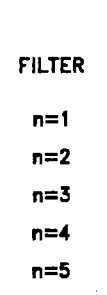
INTERPRETATION

INDUCED POLARIZATION SURVEY

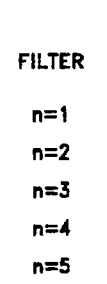


TOPOGRAPHY

APPARENT RESISTIVITY (ohm-m)

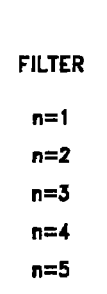


APPARENT POLARISABILITY (mV/V)

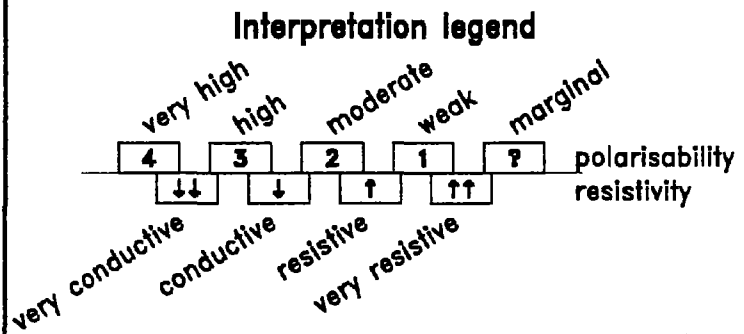


INTERPRETATION

METAL FACTOR (1000\*Ma/(Ra)~0.5)



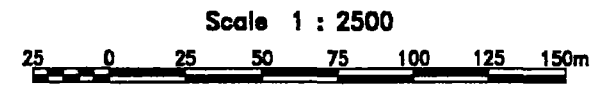
INTERPRETATION



Contour Interval:  
Resistivity: 1, 1.5, 2, 3, 5, 7.5, 10, ...  
Polarisability: 0.5  
Metal Factor: 2

Instruments: IRIS ELREC-6, PHOENIX IPT-1, MG-1

Line 10+00E

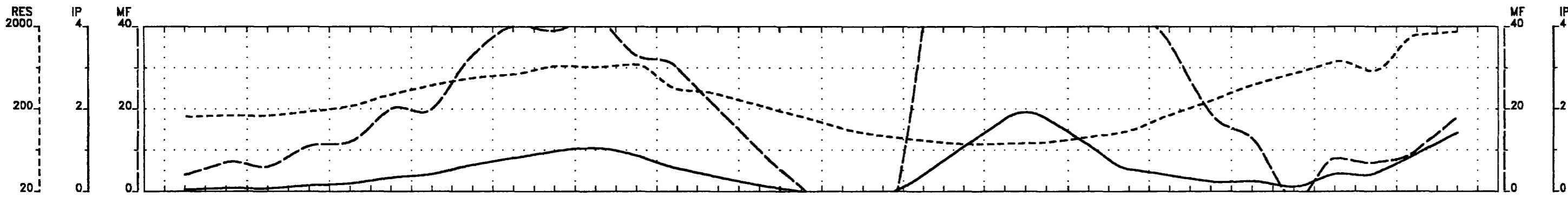


ABITIBI MINING CORPORATION

New Year's Eve Project  
Harker and Garrison Townships  
District of Cochrane, Ontario

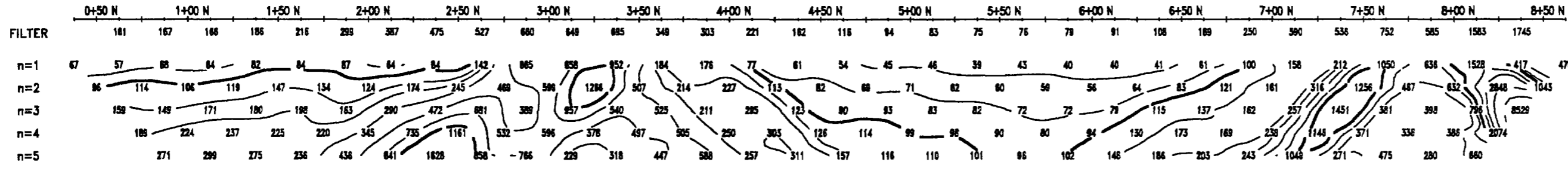
Interpreted by: Martin Dubois B. Sc.  
Date of survey: January 1997  
Surveyed by: Martin Dubois  
Reference: 97-N170



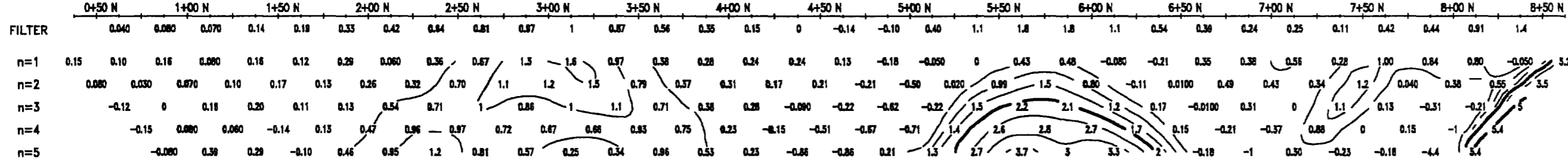


TOPOGRAPHY

APPARENT RESISTIVITY (ohm-m)

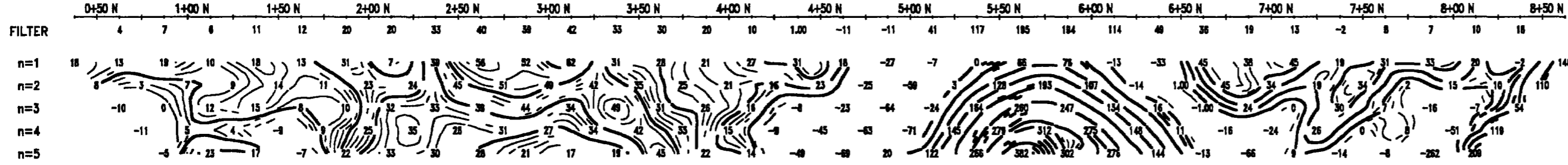


APPARENT POLARISABILITY (mV/V)

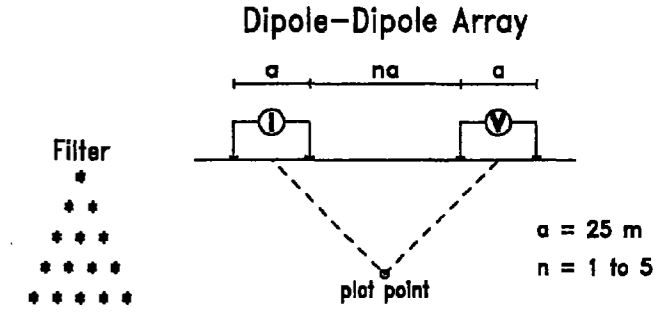


INTERPRETATION

METAL FACTOR (1000\*Ma/(Ra)~0.5)

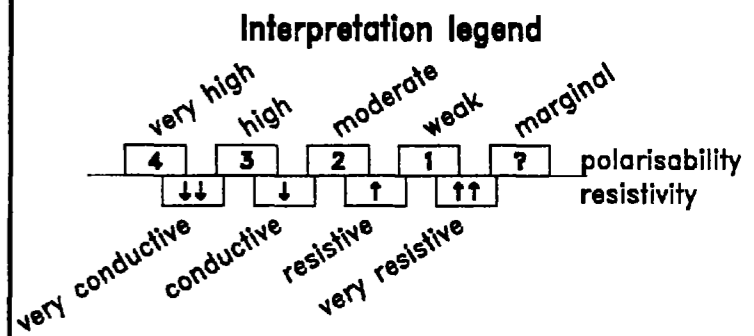


INDUCED POLARIZATION SURVEY



TOPOGRAPHY

APPARENT RESISTIVITY (ohm-m)



APPARENT POLARISABILITY (mV/V)

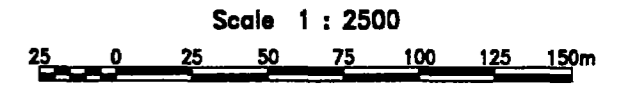
INTERPRETATION

METAL FACTOR (1000\*Ma/(Ra)~0.5)

Contour interval:  
 Resistivity: 1, 1.5, 2, 3, 5, 7.5, 10,..  
 Polarisability: 0.5  
 Metal Factor: 2

Instruments: IRIS ELREC-6, PHOENIX IPT-1, MG-1

Line 12+00E

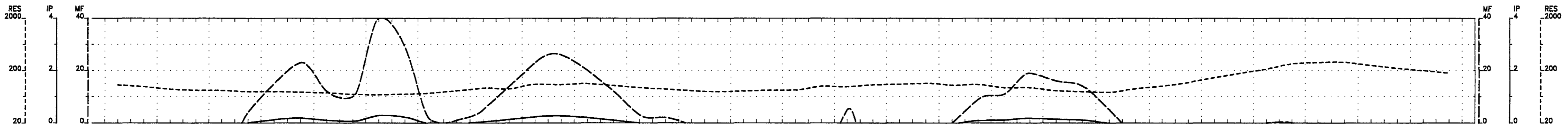


ABITIBI MINING CORPORATION

New Year's Eve Project  
 Harker and Garrison Townships  
 District of Cochrane, Ontario

Interpreted by: Martin Dubois B. Sc.  
 Date of survey: January 1997  
 Surveyed by: Martin Dubois  
 Reference: 97-N170

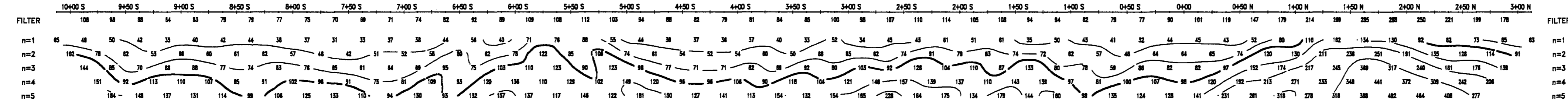




TOPOGRAPHY

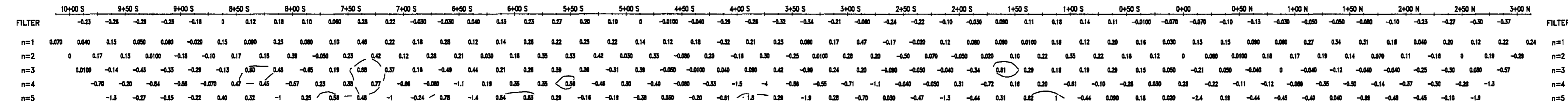
TOPOGRAPHY

APPARENT RESISTIVITY (ohm-m)



APPARENT RESISTIVITY (ohm-m)

APPARENT POLARISABILITY (mV/V)

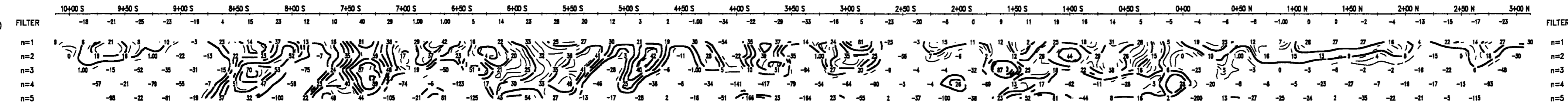


APPARENT POLARISABILITY (mV/V)

INTERPRETATION

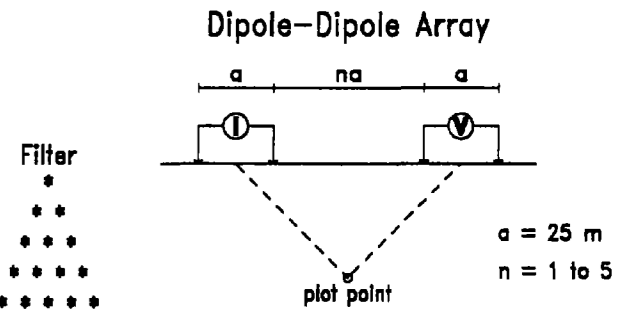
INTERPRETATION

METAL FACTOR (1000\*Ma/(Ra)~0.5)

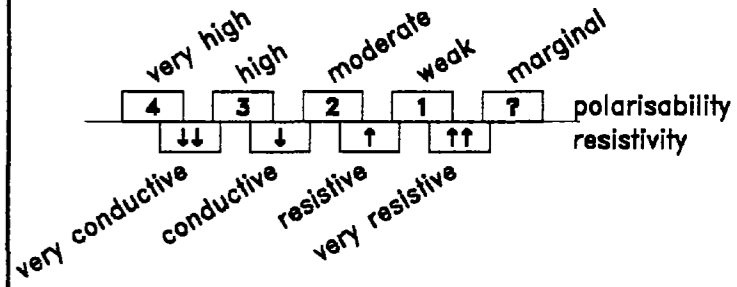


METAL FACTOR (1000\*Ma/(Ra)~0.5)

INDUCED POLARIZATION SURVEY



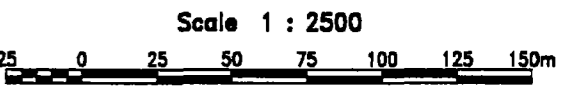
Interpretation legend



Contour interval:  
 Resistivity: 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 Polarisability: 0.5  
 Metal Factor: 2

Instruments: IRIS ELREC-6, PHOENIX IPT-1, MG-1

Line 26+00E



ABITIBI MINING CORPORATION

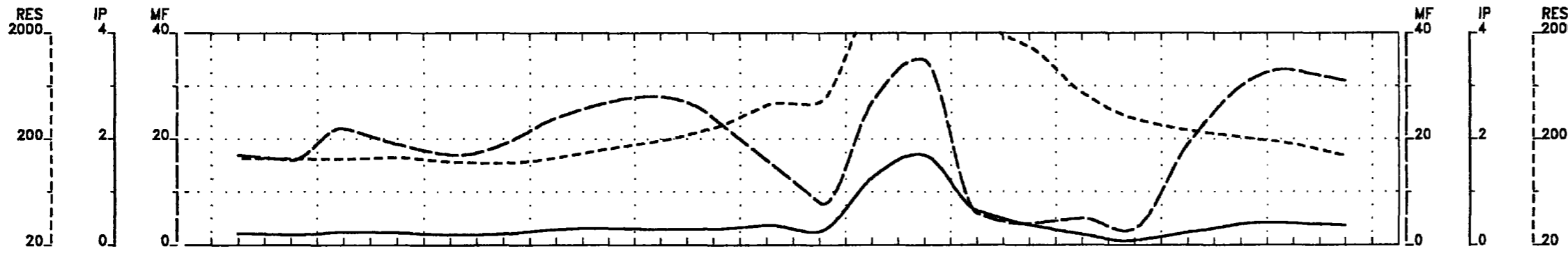
New Year's Eve Project  
 Harker and Garrison Townships  
 District of Cochrane, Ontario

Interpreted by: Martin Dubois B. Sc.  
 Date of survey: January 1997  
 Surveyed by: Martin Dubois  
 Reference: 97-N170



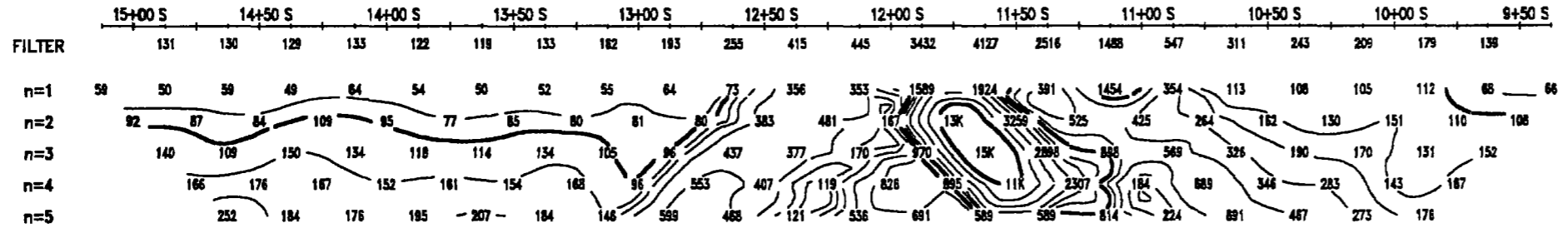




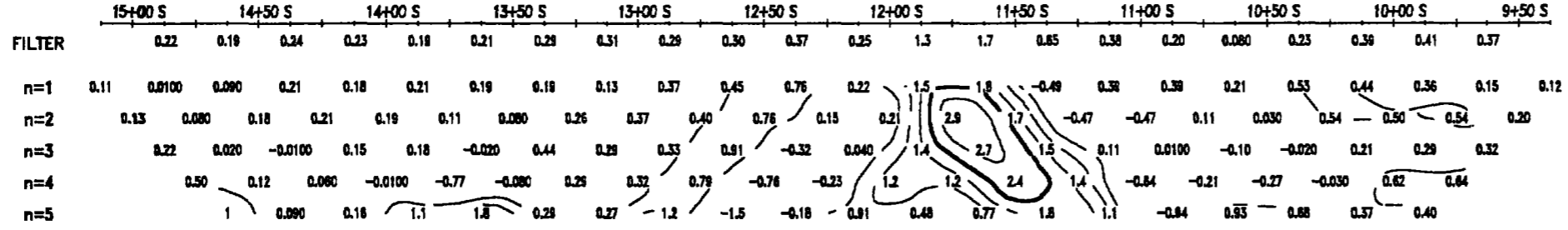


TOPOGRAPHY

APPARENT RESISTIVITY (ohm-m)

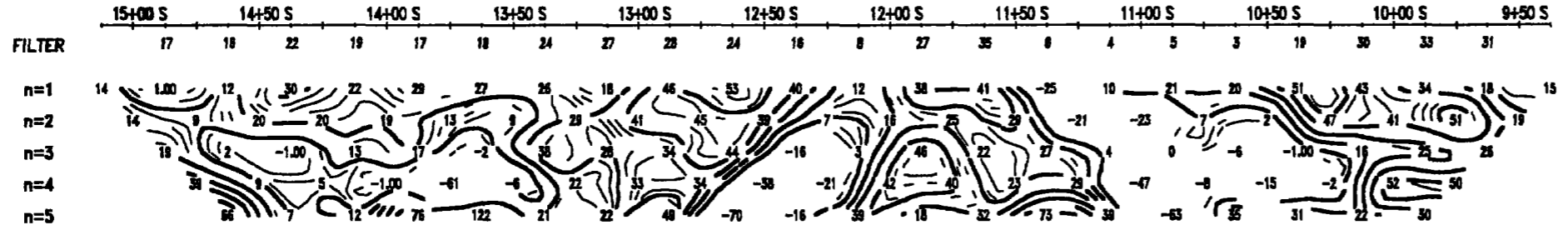


APPARENT POLARISABILITY (mV/V)



INTERPRETATION

METAL FACTOR (1000\*Ma/(Ra)~0.5)



TOPOGRAPHY

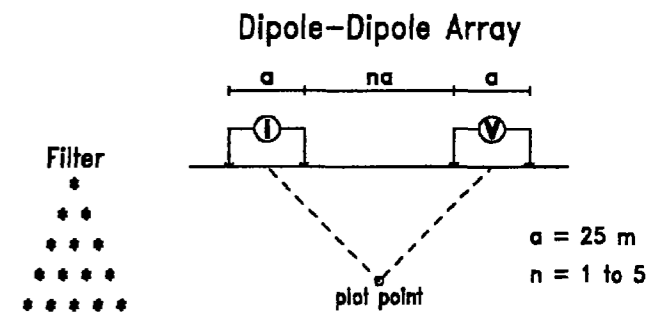
APPARENT RESISTIVITY (ohm-m)

APPARENT POLARISABILITY (mV/V)

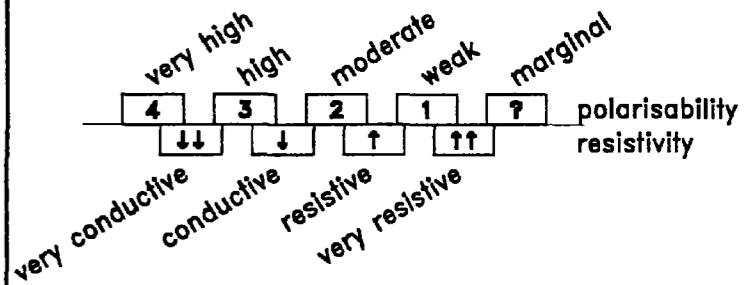
INTERPRETATION

METAL FACTOR (1000\*Ma/(Ra)~0.5)

INDUCED POLARIZATION SURVEY



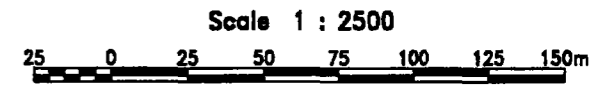
Interpretation legend



Contour interval:  
 Resistivity: 1, 1.5, 2, 3, 5, 7.5, 10,...  
 Polarisability: 0.5  
 Metal Factor: 2

Instruments: IRIS ELREC-6, PHOENIX IPT-1, MG-1

Line 40+00E

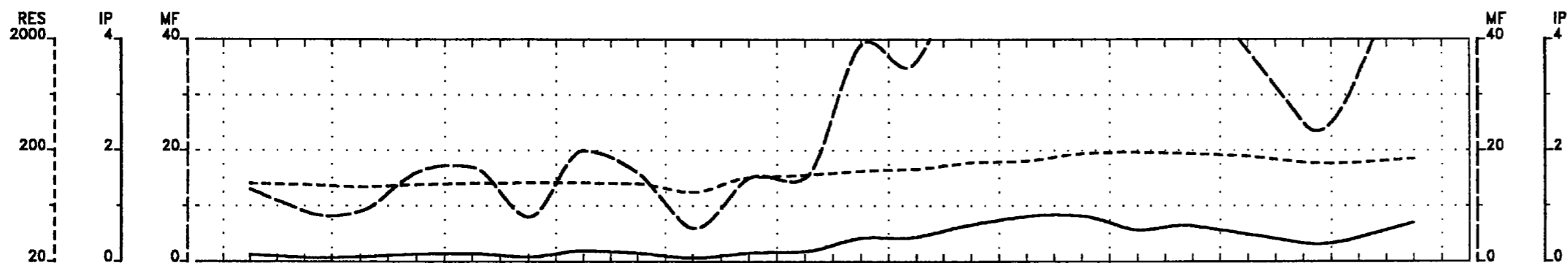


ABITIBI MINING CORPORATION

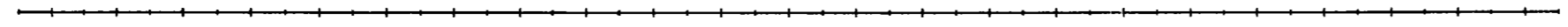
New Year's Eve Project  
 Harker and Garrison Townships  
 District of Cochrane, Ontario

Interpreted by: Martin Dubois B. Sc.  
 Date of survey: January 1997  
 Surveyed by: Martin Dubois  
 Reference: 97-N170

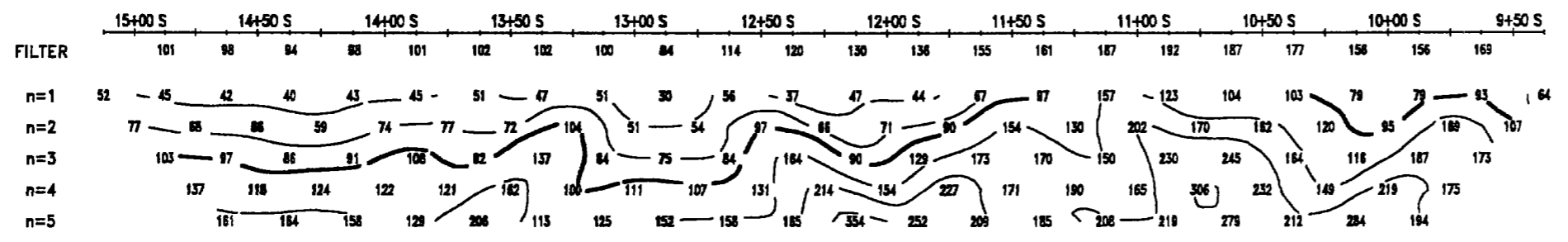




TOPOGRAPHY

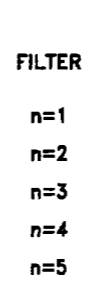


APPARENT RESISTIVITY (ohm-m)

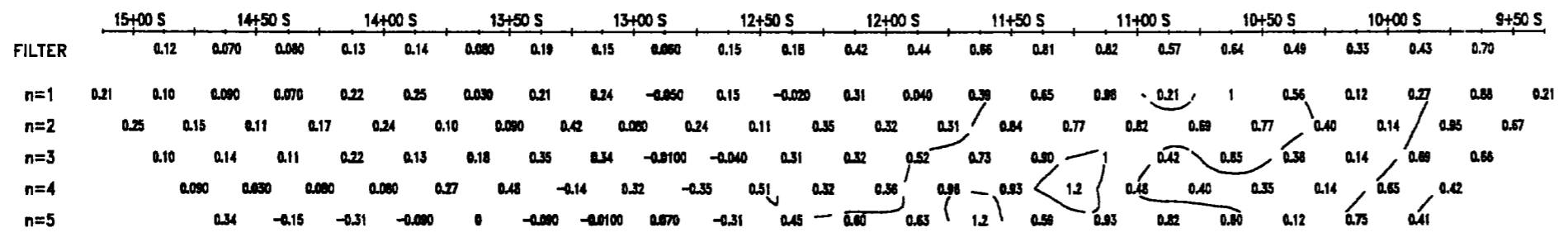


TOPOGRAPHY

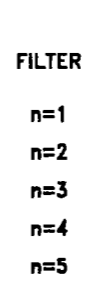
APPARENT RESISTIVITY (ohm-m)



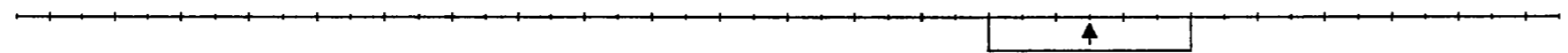
APPARENT POLARISABILITY (mV/V)



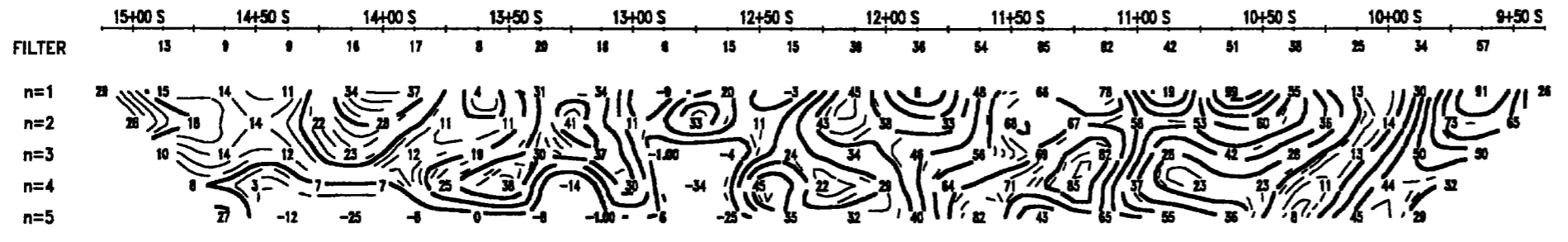
APPARENT POLARISABILITY (mV/V)



INTERPRETATION

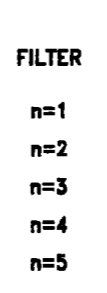


METAL FACTOR (1000\*Ma/(Ra)~0.5)

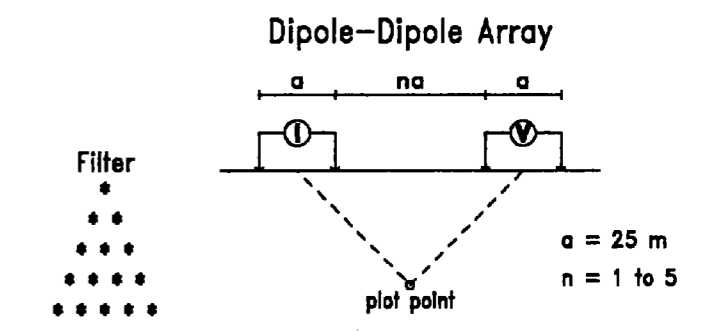


INTERPRETATION

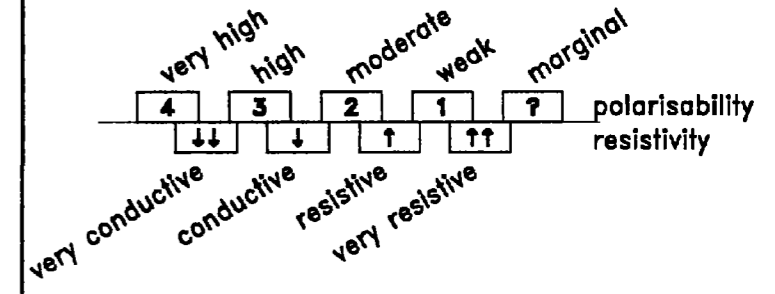
METAL FACTOR (1000\*Ma/(Ra)~0.5)



INDUCED POLARIZATION SURVEY



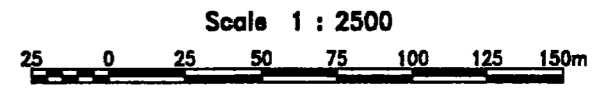
Interpretation legend



Contour Interval:  
Resistivity: 1, 1.5, 2, 3, 5, 7.5, 10,..  
Polarisability: 0.5  
Metal Factor: 2

Instruments: IRIS ELREC-6, PHOENIX IPT-1, MG-1

Line 42+00E

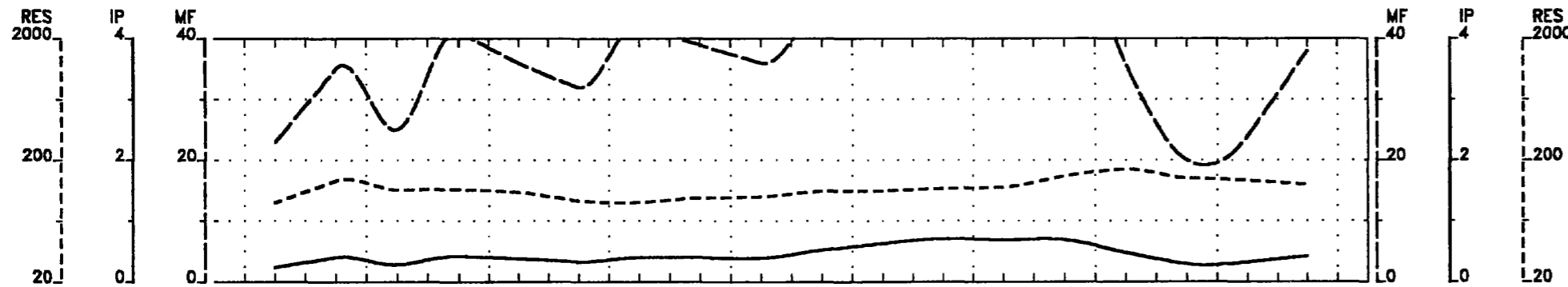


ABITIBI MINING CORPORATION

New Year's Eve Project  
Harker and Garrison Townships  
District of Cochrane, Ontario

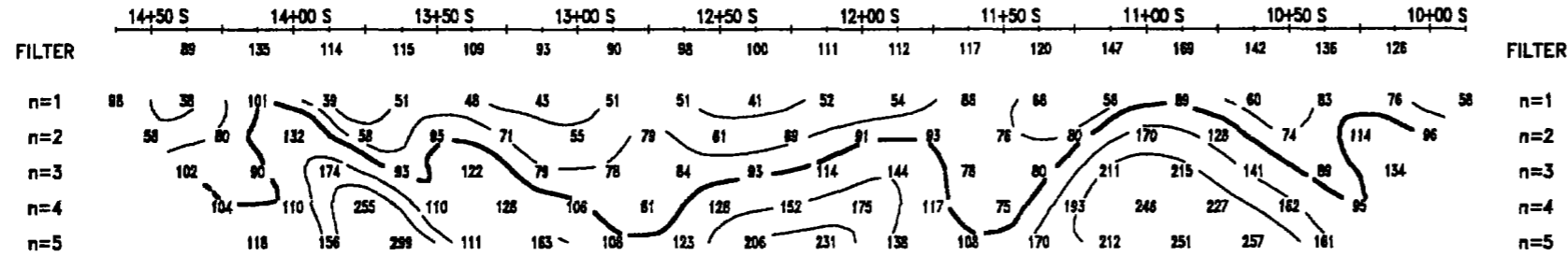
Interpreted by: Martin Dubois B. Sc.  
Date of survey: January 1997  
Surveyed by: Martin Dubois  
Reference: 97-N170





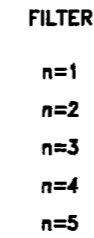
TOPOGRAPHY

APPARENT RESISTIVITY (ohm-m)

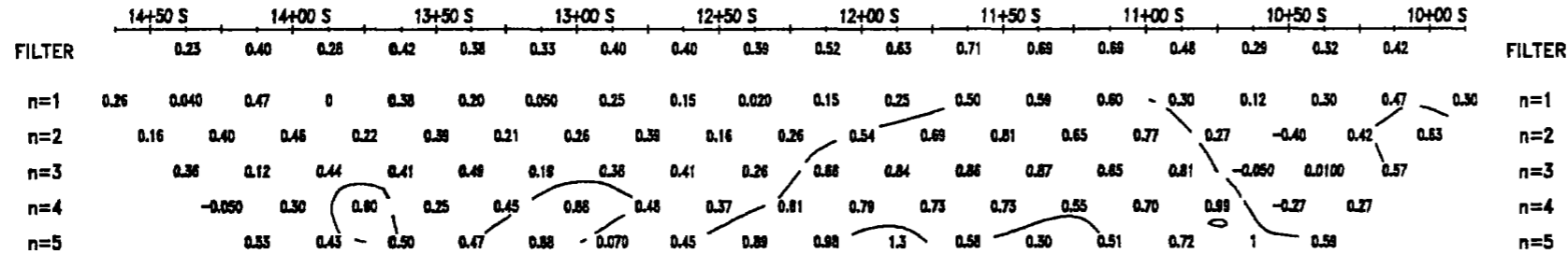


TOPOGRAPHY

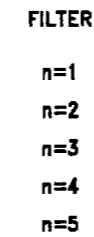
APPARENT RESISTIVITY (ohm-m)



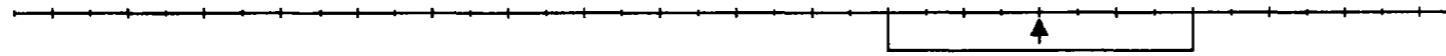
APPARENT POLARISABILITY (mV/V)



APPARENT POLARISABILITY (mV/V)

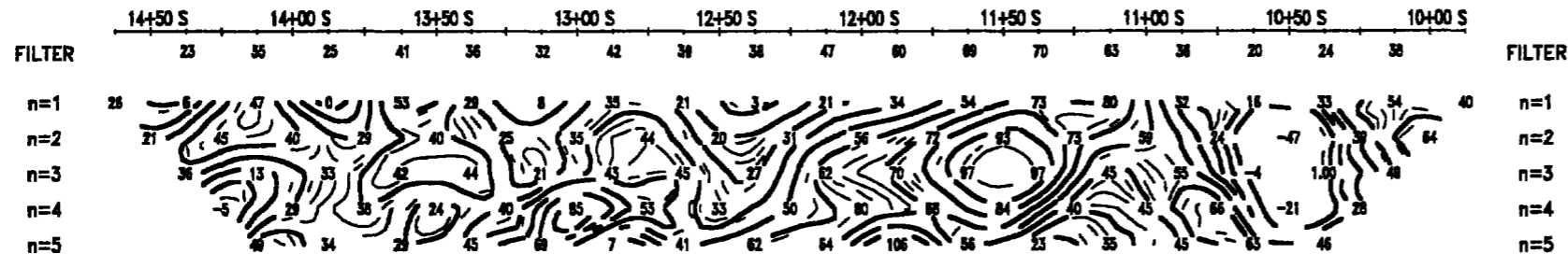


INTERPRETATION

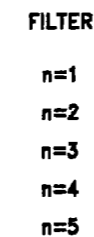


INTERPRETATION

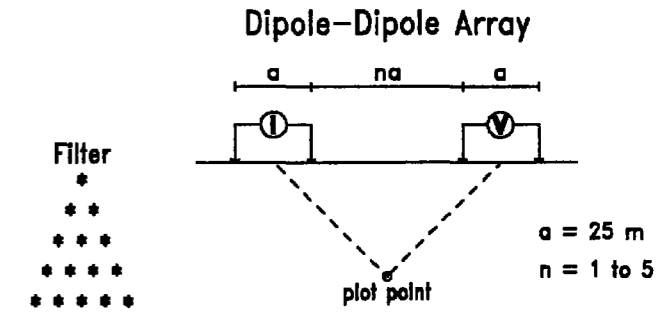
METAL FACTOR (1000\*Ma/(Ra)~0.5)



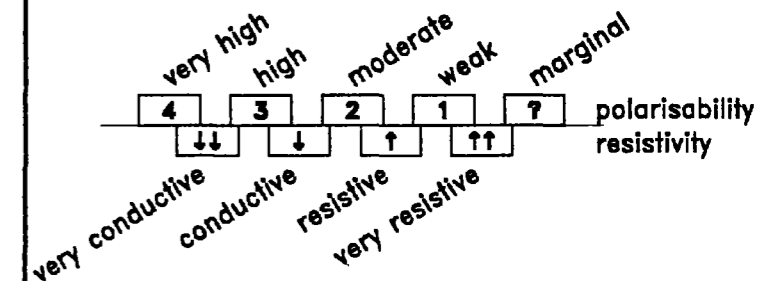
METAL FACTOR (1000\*Ma/(Ra)~0.5)



INDUCED POLARIZATION SURVEY



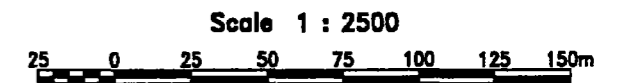
Interpretation legend



Contour Interval:  
Resistivity: 1, 1.5, 2, 3, 5, 7.5, 10, ...  
Polarisability: 0.5  
Metal Factor: 2

Instruments: IRIS ELREC-6, PHOENIX IPT-1, MG-1

Line 44+00E



ABITIBI MINING CORPORATION

New Year's Eve Project  
Harker and Garrison Townships  
District of Cochrane, Ontario

Interpreted by: Martin Dubois B. Sc.  
Date of survey: January 1997  
Surveyed by: Martin Dubois  
Reference: 97-N170

VAL D'OR  
SAGAX

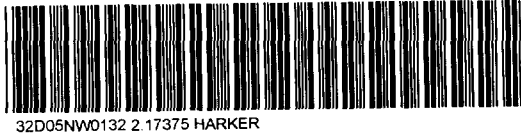


Ministry of  
Northern Development  
and Mines

### Declaration of Assessment Work Performed on Mining Land

Transaction Number (office use) <b>11978002592</b>
Assessment Files Research Imaging

1990



32D05NW0132 2.17375 HARKER

900

Personal Information on  
Mining Act, the Informat  
Questions about this c  
933 Ramsey Lake Roac

**ABB: New Year's Eve**  
8(3) of the Mining Act. Under section 8 of the  
rk and correspond with the mining land holder.  
orthern Development and Mines, 6th Floor,

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

**2.17375**

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

Name <b>Tom Obradovich / 2973090 Canada Inc</b>	Client Number <b>177382 / 300337</b>
Address <b>P.O. Box 1146</b>	Telephone Number <b>(705) 567-6883</b>
<b>KIRKLAND LAKE, Ontario P2N3M7</b>	Fax Number <b>(705) 567-6873</b>
Name <b>Mike Dymont / J. Kidston</b>	Client Number <b>128504 / 151995</b>
Address <b>P.O. Box 66</b>	Telephone Number <b>(705) 642-3060</b>
<b>Swastika, Ontario P0K1T0</b>	Fax Number

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

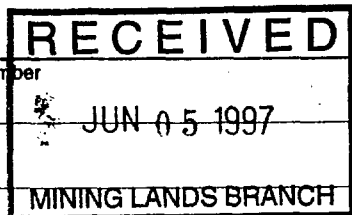
Geotechnical: prospecting, surveys, assays and work under section 18 (regs)       Physical: drilling, stripping, trenching and associated assays       Rehabilitation

Work Type <b>Induced Polarization Survey</b>	Office Use
	Commodity
	Total \$ Value of Work Claimed <b>\$15,384</b>
Dates Work Performed From <b>27</b> <b>11</b> <b>96</b> To <b>19</b> <b>01</b> <b>97</b> <small>Day Month Year Day Month Year</small>	NTS Reference
Global Positioning System Data (if available)	Mining Division <b>Thunder Bay</b>
Township/Area <b>Harker and Garrison Twp</b>	Resident Geologist District <b>H. Baker</b>
M or G-Plan Number <b>6-3643 &amp; 6-3638</b>	

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

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

Name <b>Vald'Or Sagax Inc</b>	Telephone Number <b>(819) 874-2001</b>
Address <b>50 Lamarque Boul., Vald'Or, Que J9P 2H6</b>	Fax Number <b>(819) 874-2002</b>
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number



**4. Certification by Recorded Holder or Agent**

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

Signature of Recorded Holder or Agent <b>Larry J. Stoliker</b>	Date <b>May 21, 1997</b>
Agent's Address <b>P.O. Box 1146 Kirkland Lake Ont</b>	Telephone Number <b>(705) 567-6883</b>
	Fax Number <b>(705) 567-6873</b>

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

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 L-1206020	3	\$2198			\$2198
2 L-1211775	8	3297			3297
3 L-1211776	15	6592			6592
4 L-12-11777	6	3297			3297
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		\$15384	—	—	\$15384

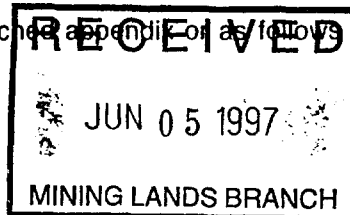
I, Larry J. Stoliker, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: Larry J. Stoliker Date: May 21, 1997

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 <u>Sept 2/97</u>	Date Notification Sent <u>AM</u>
	Date Approved <u>Acting</u>	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature) <u>Linda [Signature]</u>	



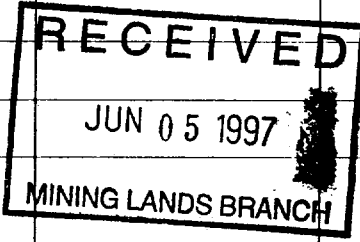
Statement of Costs for Assessment Credit

Transaction Number (office use) W9790.00541

ABB: New Year's Eve

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

Table with 4 columns: Work Type, Units of Work, Cost Per Unit of work, Total Cost. Rows include Line Cutting, Induced Polarizations, Associated Costs (e.g. supplies, mobilization and demobilization), Mobilization, Field and Report Preparations, Transportation Costs, Food and Lodging Costs, and Total Value of Assessment Work.



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.

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 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.

Certification verifying costs:

I, Larry J. Stoliker, do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Agent I am authorized to make this certification.

Signature: [Signature] Date: [Blank]

August 25, 1997

THOMAS JOHN ELI OBRADOVICH  
P.O. BOX 1146  
KIRKLAND LAKE, Ontario  
P2N-3M7

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

Telephone: (888) 415-9846  
Fax: (705) 670-5863

Dear Sir or Madam:

**Submission Number:** 2.17375

**Status**

**Subject: Transaction Number(s):** W9780.00592 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.

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 Steve Beneteau by e-mail at [beneteau\\_s@torv05.ndm.gov.on.ca](mailto:beneteau_s@torv05.ndm.gov.on.ca) or by telephone at (705) 670-5855.

Yours sincerely,



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

# Work Report Assessment Results

---

**Submission Number:** 2.17375

**Date Correspondence Sent:** August 25, 1997

**Assessor:** Steve Beneteau

---

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9780.00592	1206020	HARKER, GARRISON	Deemed Approval	June 09, 1997

**Section:**

14 Geophysical IP

**Correspondence to:**

Resident Geologist  
Kirkland Lake, ON

Assessment Files Library  
Sudbury, ON

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

Larry J. Stoliker  
KIRKLAND LAKE, ONTARIO, CANADA

THOMAS JOHN ELI OBRADOVICH  
KIRKLAND LAKE, Ontario

2973090 CANADA INC.  
KIRKLAND LAKE, ON

LESLIE MICHAEL DYMENT  
Swastika, Ontario

JOCELYNE ANNE KIDSTON  
SWASTIKA, Ontario

---



0-3038

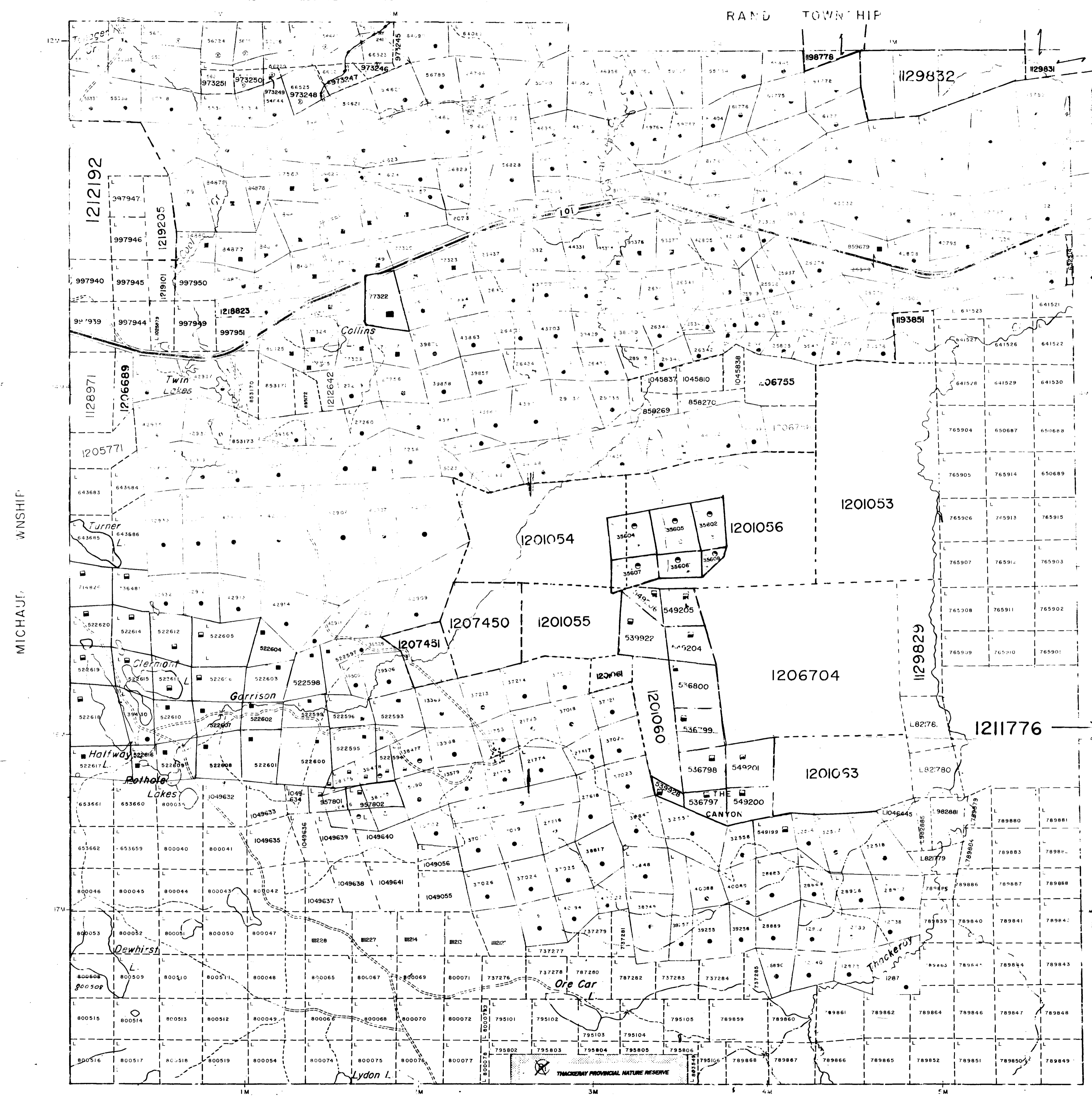
M.R.D. - MINING RIGHTS ONLY  
 S.R.O. - SURFACE RIGHTS ONLY  
 M.S. - MINING AND SURFACE RIGHTS

Applied under Public Lands Act - Proposed  
 Highway Route

N.W. CORNER REGISTERED MARCH 29, 1954 BY JANUARY 29, 1965  
 INCORPORATED AS FEDERAL PARK

GA. 1000 M.P.

8038



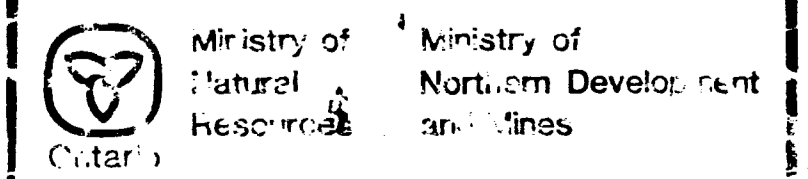
LEG.

---	HIGHWAY
---	OTHER ROAD
---	100 M
---	SURFACE RIGHTS
---	MINING RIGHTS
---	UNSURVED LINES
---	LYNE LINES
---	...

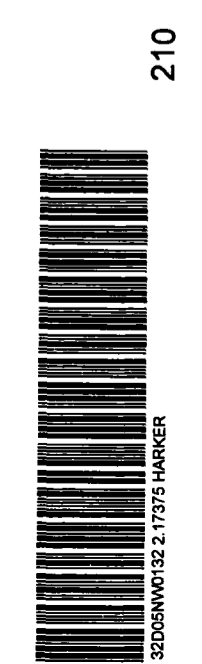
SCALE 1:50,000  
 Application for S.R.O.s  
 under Public Lands Act

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.

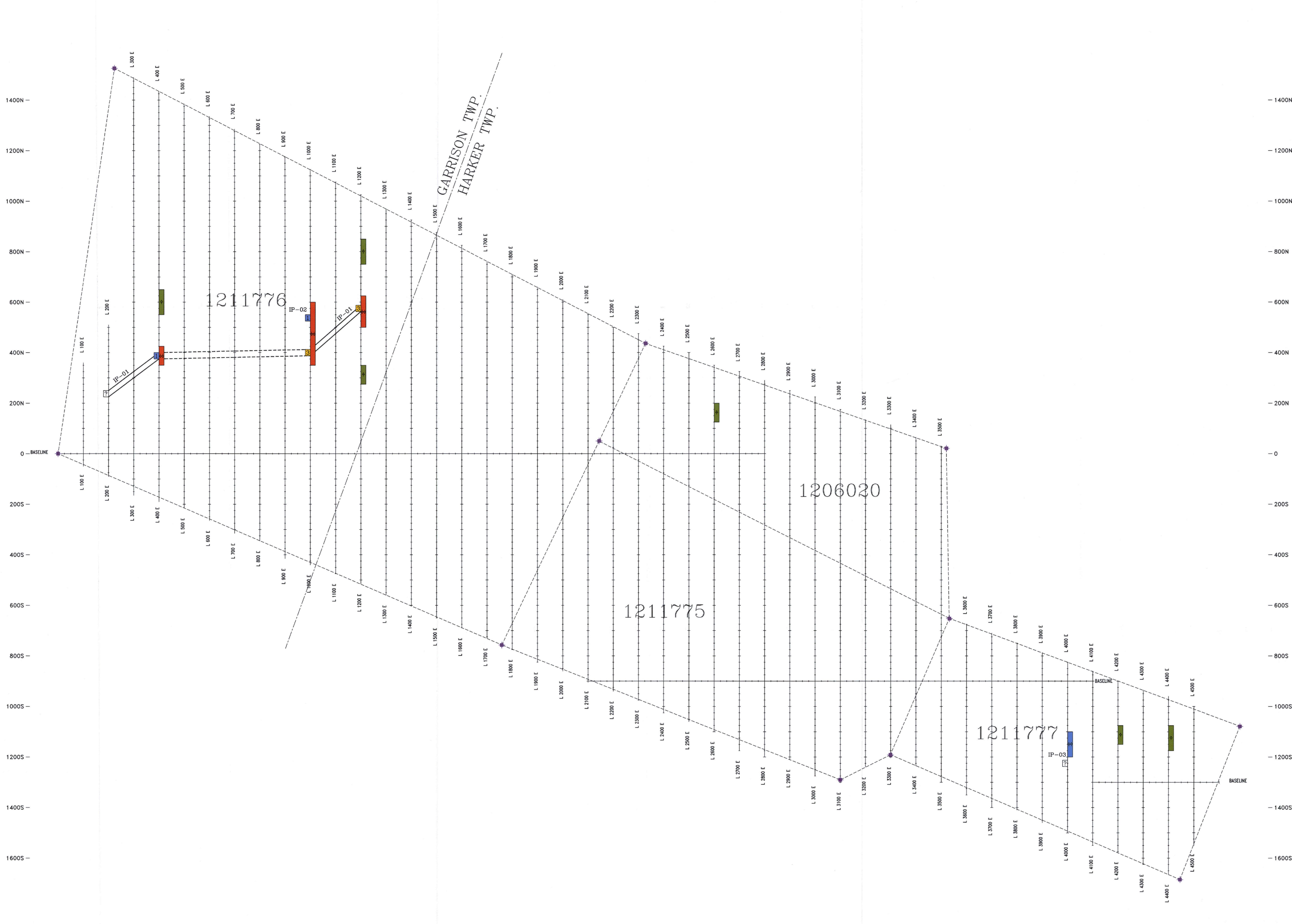
TOWNSHIP  
**GARRISON**  
 M.N.R. ADMINISTRATIVE DISTRICT  
 HATKLAND LAKE  
 MINING DIVISION  
 LARDER LAKE  
 LAND TITLES / REGISTRY DIVISION  
 COCHRANE



COPY OF THIS MYLAR  
 ARCHIVED MAY 13/93  
 ARCHIVED MAY 17, 1995



2.173



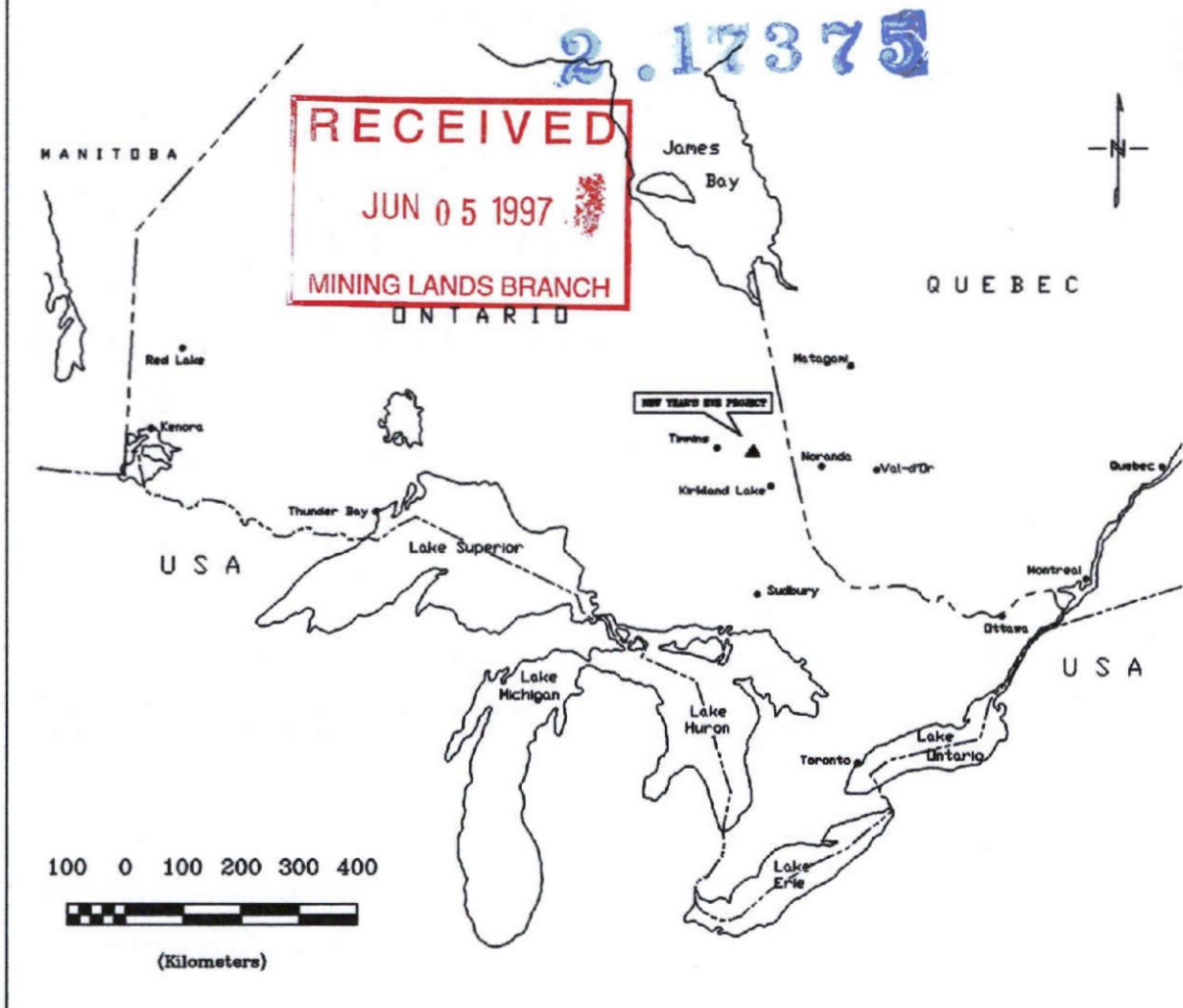
1400N  
1200N  
1000N  
800N  
600N  
400N  
200N  
0  
200S  
400S  
600S  
800S  
1000S  
1200S  
1400S  
1600S

**LEGEND**  
INDUCED POLARIZATION

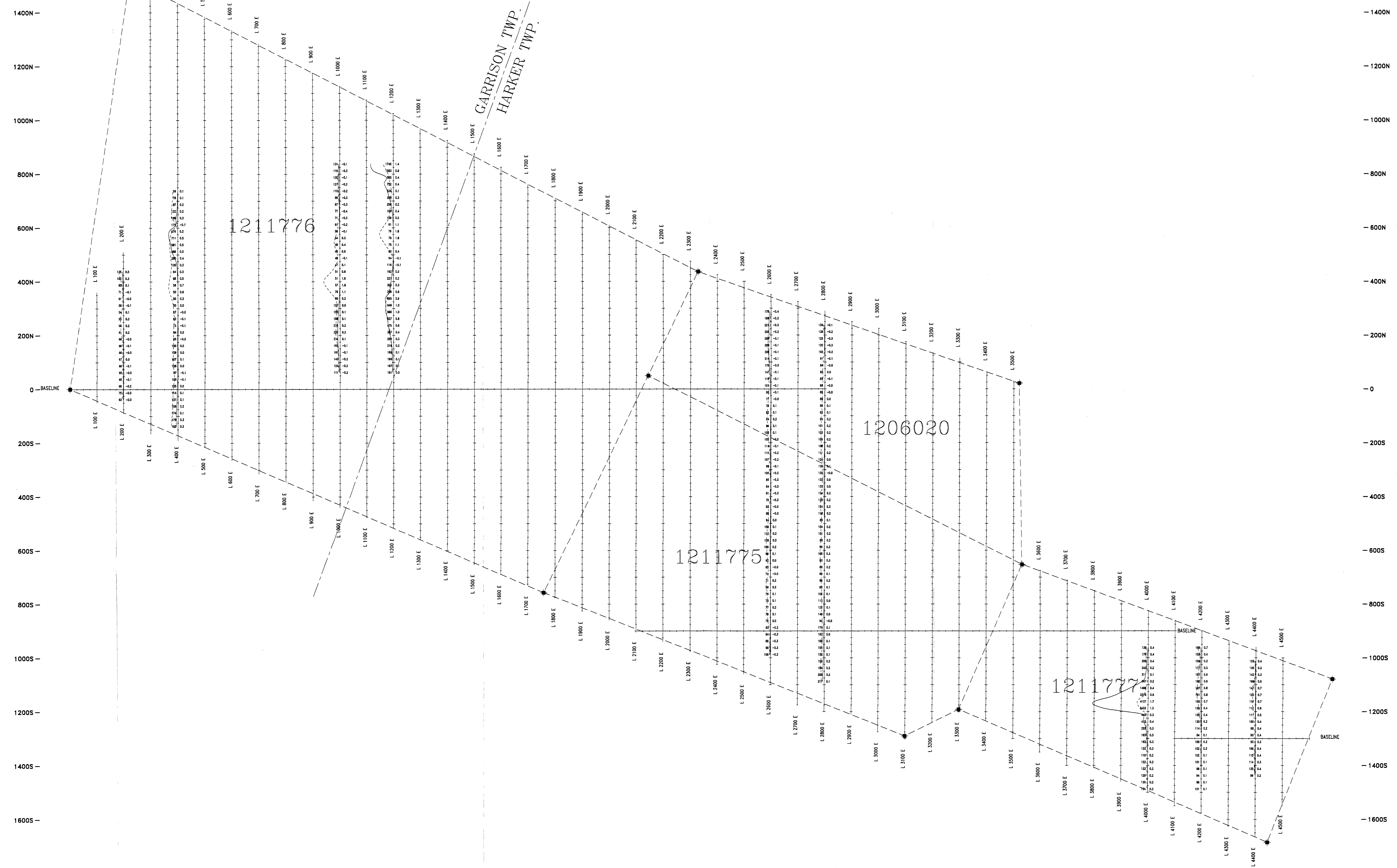
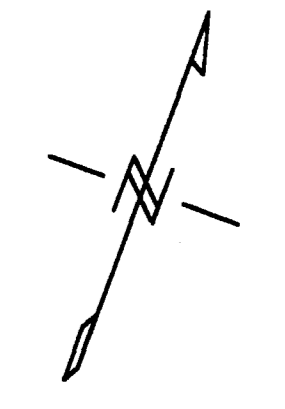
POLARIZATION	RESISTIVITY
Very high	Very resistive
High	Resistive
Moderate	Conductive
Weak	Very conductive
Marginal	



SCALE 1 : 5 000  
100 0 100 200 300  
(metres)



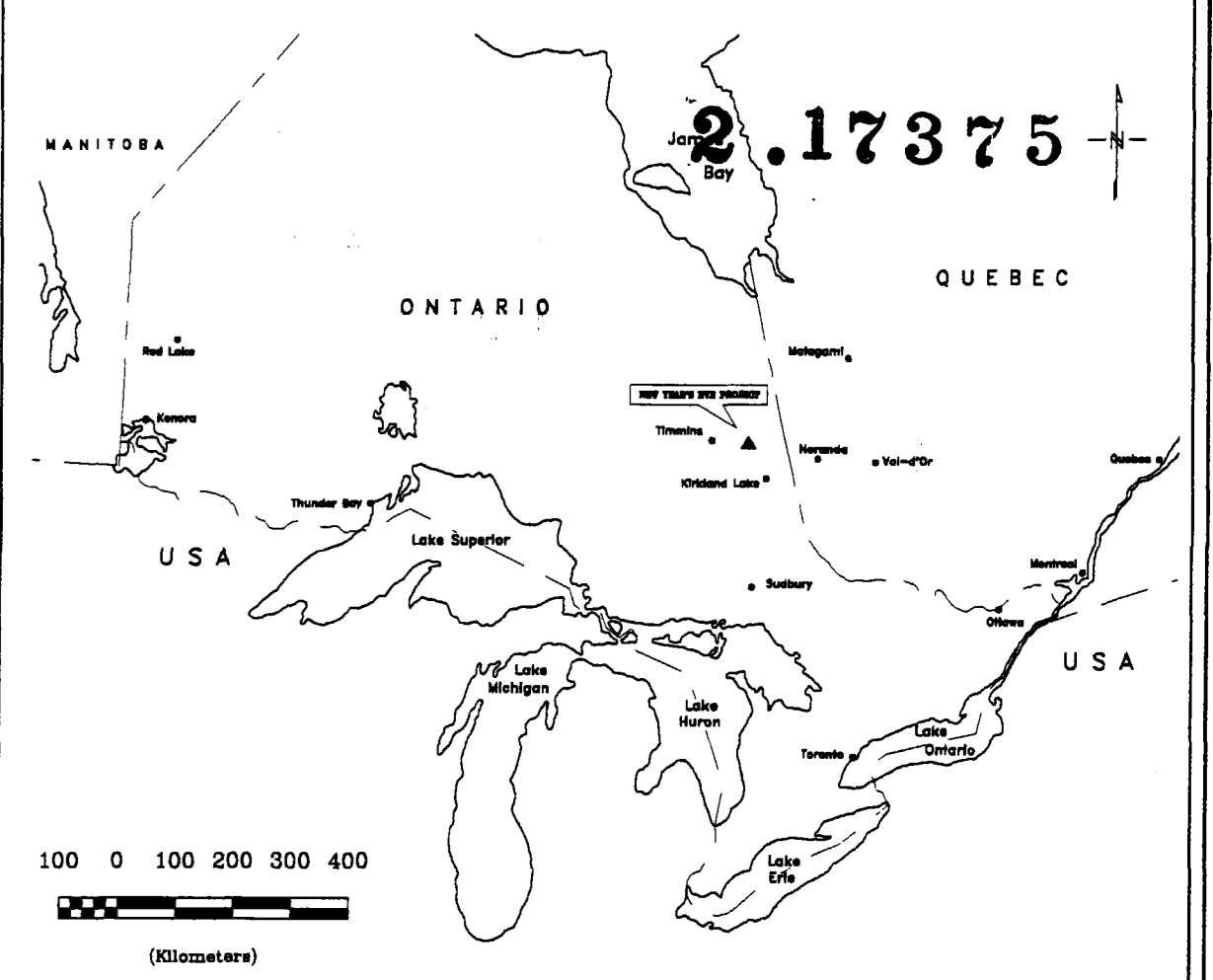
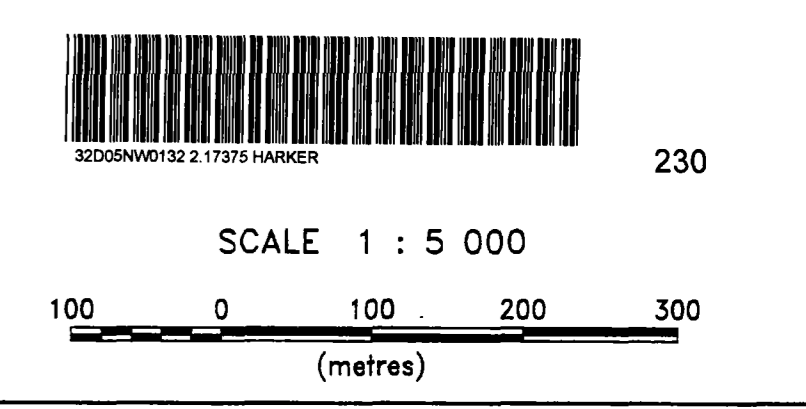
ABITIBI MINING CORPORATION  
NEW YEAR'S EVE PROJECT  
INDUCED POLARIZATION SURVEY  
INTERPRETATION  
VAL D'OR SAGAX INC. VAL D'OR  
Interpreted by: D. Bérubé, Eng. Date 04/97  
Scale 1 : 5 000 Drawing no. 97-N170-4.0



— 1400N  
— 1200N  
— 1000N  
— 800N  
— 600N  
— 400N  
— 200N  
— 0  
— 200S  
— 400S  
— 600S  
— 800S  
— 1000S  
— 1200S  
— 1400S  
— 1600S

**LEGEND**  
RESISTIVITY & POLARISABILITY PROFILES (Fihre)  
Profiles: Resistivity Polarisability

Instrument: IRIS ELREC-6, PHOENIX IPT-1, MG-1  
Time domain: 2 sec.



**ABITIBI MINING CORPORATION**  
**NEW YEAR'S EVE PROJECT**  
**INDUCED POLARIZATION SURVEY**  
**RESISTIVITY & POLARISABILITY PROFILES**  
**VAL D'OR SAGAX INC.**

Interpreted by: D. Bérubé, Eng. Date 04/97  
Scale 1 : 5 000 Drawing no. 97-N170-4.1