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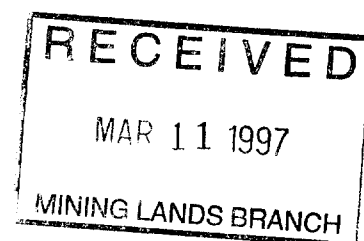
42A09SW0157 2.17178 BEATTY

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**REPORT ON GEOPHYSICAL SURVEYS**

performed on the  
**CLODAN PROSPECT**  
Beatty Township  
Cochrane District, Ontario  
and submitted to  
**ANGLAUMAQUE EXPLORATIONS INC.**  
**TOTEM SCIENCES INC.**  
96-N151      February 1997

**2.17178**



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## APPENDICE

### ATTACHED TO THIS REPORT

#### Pseudosections :

Dipole–Dipole array (8) pseudosections of the apparent resistivity, apparent polarizability and metal factor.

#### List of maps at the scale of 1 : 5000 :

##### **MAGNETIC SURVEY**

96–N151–1_1	Total field contours
96–N151–1_2	Total field profiles

##### **HEM ELECTROMAGNETIC SURVEY**

96–N151–3_2	Frequency 440 Hz – cable 100 m
96–N151–3_4	Frequency 1760 Hz – cable 100 m
96–N151–3_7	Frequency 14080 Hz – cable 100 m

##### **INDUCED POLARIZATION SURVEY**

96–N151–4_2	Apparent resistivity contours (filtered)
96–N149–4_3	Apparent polarizability contours (filtered)

##### **INTERPRETATION**

96–N151–7_0	Geophysical interpretation
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## **1. INTRODUCTION**

In January 1997, geophysical surveys including magnetic, horizontal-loop electromagnetic (HEM) and induced polarization surveys were carried out on the property CLODAN PROSPECT owned by ANGLAUMAQUE EXPLORATIONS INC. and TOTEM SCIENCES INC. The property is located in Beatty Township, Cochrane District, province of Ontario.

The surveys were designed to outline lithological and structural features and mineralization favorable for gold deposition.

## **2. PROPERTY, LOCATION AND ACCESS**

The property is located approximately 11 km northeast of Matheson, in the Range III of Beatty Township (NTS 42 A/9) (Figure 1). The property can be reached by snowmobile from the ends of ranges II-III or III-IV roads or from the Highway 101.

The mineral permit has been registered with the MINISTRY OF NORTHERN DEVELOPMENT AND MINES OF ONTARIO and bears the number 1197528 (Figure 2).

Figure 1: General location

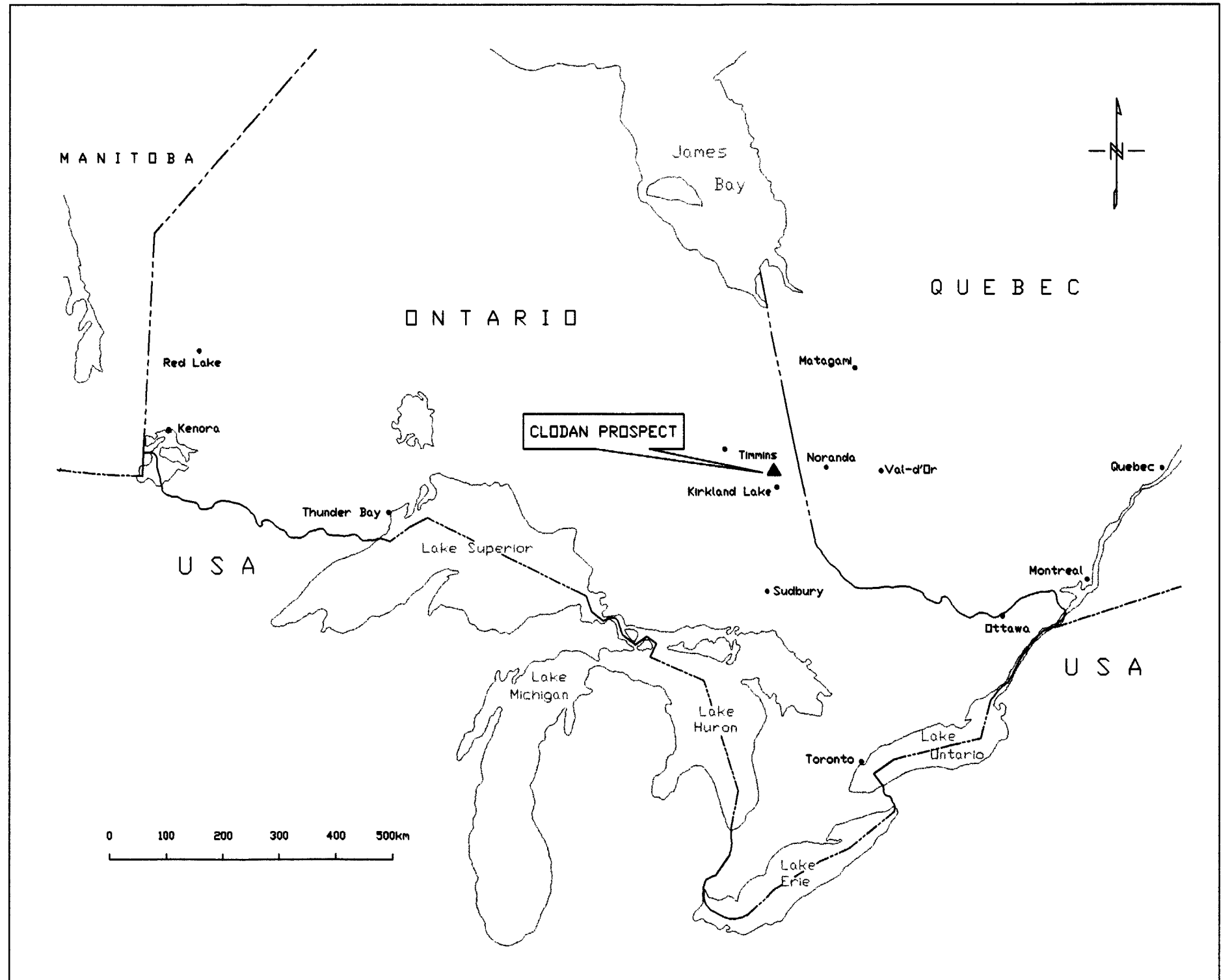
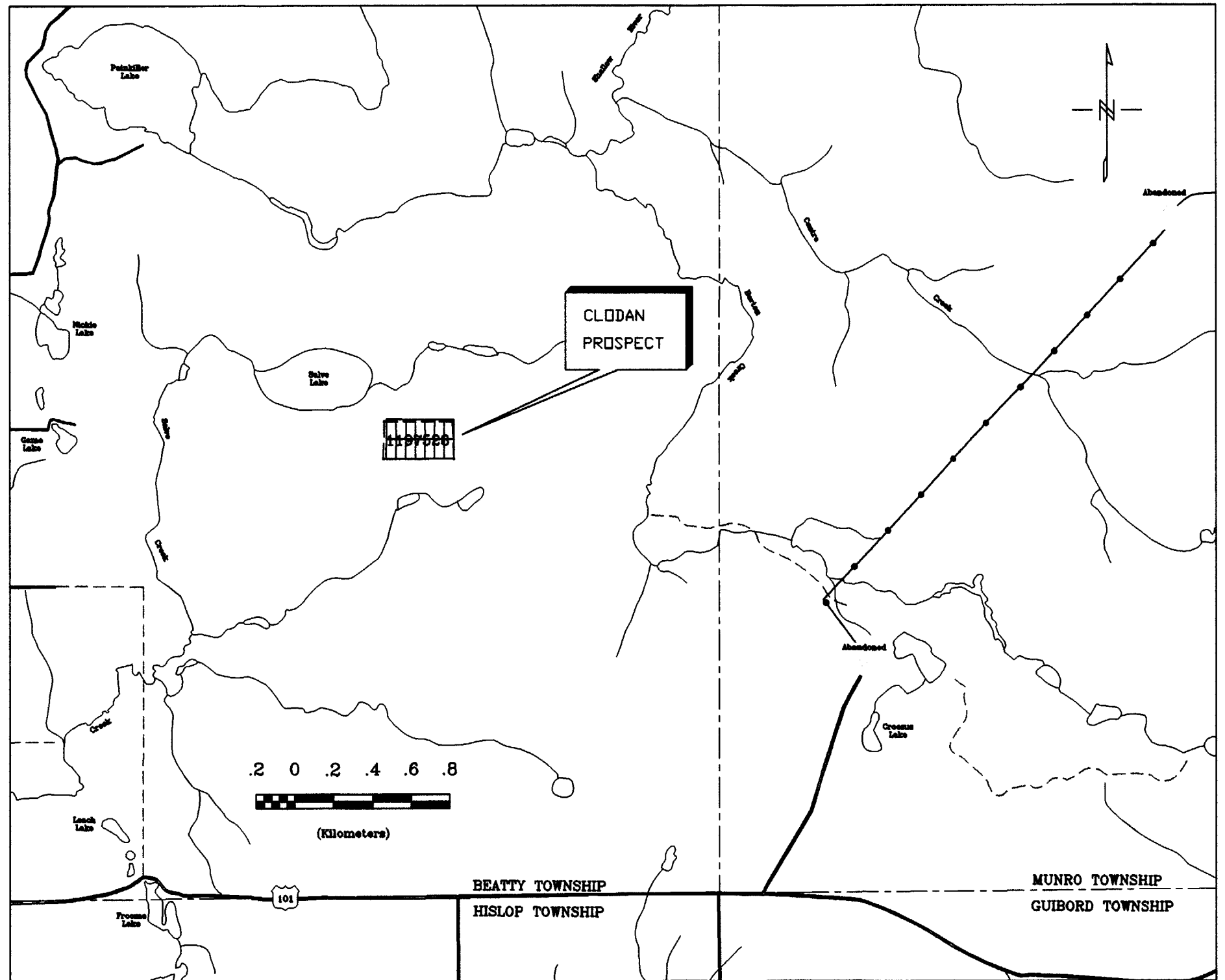


Figure 2: Index of claims and survey area



### **3. GEOPHYSICAL SURVEYS**

The surveys were performed in January 1997 over a 5,451 line-kilometres grid covering the property.

Detailed coverage of each survey is presented in Table 1.

#### **3.1. Survey grid**

The geophysical surveys were carried out along a grid of lines, 100 metres apart and perpendicular to the baseline oriented east-west. The lines have been chained and marked every 25 metres.

#### **3.2. Magnetic survey**

The magnetic survey was executed on January 14, 1997, by Mr. E. Clement, technician. A total of 5,3 line-kilometres were read with a GSM-19 portable magnetometer manufactured by GEM Systems and operating with a sensor using the Overhauser effect.

The total magnetic field was measured every 2 seconds in a continuous reading mode with a resolution of 0,01 nanoTesla (nT). The location of measurement were systematically controlled every 12,5 metres. The sensor was mounted on top of a backpack frame.

The recording of a base station magnetometer reading the total field every 10 seconds near the survey area was used as reference for the correction of the diurnal variation. A short wavelength filter was applied to remove noisy spikes reducing the noise envelope at less than 5 nT.

#### **3.3. Horizontal-loop electromagnetic survey**

The electromagnetic survey was carried out on January 14, by Messrs. Alain Dufour and Eric Dufour, technicians. A total of 3,2 line-kilometres were surveyed with an Apex Parametrics MaxMin in horizontal coplanar loop mode. The measurements of electromagnetic fields generated at three different frequencies (440, 1760 and 14080 Hz) were taken at a constant distance of 100 metres from the transmitter.

Readings were taken every 25 meters along the traverse lines. Both in-phase and out-of-phase components of the secondary field were measured and recorded as percentage of the primary vertical field with a precision of 1%.

### 3.4. Induced polarization and resistivity survey

The induced polarization and resistivity survey was executed on January 12 and 13, 1997 by the team of Mr. Jean Meunier.

A total of 4 line-kilometres were surveyed with an equipment formed by an Iris ELREC-6 time-domain receiver and an IPT-1 transmitter powered by a 1,0 kW MG-1 motor generator, both manufactured by Phoenix. The measurements were taken with electrodes in a dipole-dipole array with nominal spacing of 25 metres and separations up to 5 times.

The transmitted signal was a pulsed square wave having a total period of 8 seconds.

The primary voltage  $V_p$  is measured in time-on of the cycle and the integrated decreasing voltage or chargeability "M" is measured in time-off over ten time-windows, each of which is normalized to the primary voltage and expressed in mV/V.

**TABLE 1**

<u>LINE</u>	<u>LENGTH</u>	<u>MAG</u>	<u>HLEM</u>	<u>IP</u>
BL 0	1050	1050	-	-
BL 50N	200	200	-	-
L0	175	175	-	-
L100E	425	412	425	500
L200E	440	437	425	450
L300E	445	400	400	500
L400E	430	425	425	500
L500E	412	412	400	500
L600E	425	437	425	500
L700E	430	412	425	500
L800E	410	412	400	500
L900E	405	412	400	500
L1000E	355	400	450	400
L1100E	350	375	425	450
TOTAL	5,872 km	5,959 km	4,6 km	5,3 km



## **4. RESULTS AND INTERPRETATION**

### **4.1. Magnetic survey**

The general magnetic background is approximately 57 600 nT, showing a small east–west gradient. The magnetic formation, on line 300E at the station 150S and on baseline 200S at the station 360E, gives an anomaly of 650 nT. Three spikes, observed on line 200E at the stations 45S, 45N and 110N, might either be caused by metallic objects or small magnetic geological formations like veins of pyrrhotite or magnetite. This can be easily checked because, the magnetic source is close to surface as confirmed by the IP survey.

### **4.2. Horizontal–loop electromagnetic survey**

The HLEM survey presents a low conductivity anomaly along the tie line 200N and another on line 300W at the baseline. The conductive overburden is responsible for these anomalies as confirmed by the resistivity survey.

### **4.3. Induced polarization and resistivity surveys**

The induced polarization and resistivity data are quite noisy due to highly resistive outcrops and highly conductive overburden. Weak anomalies in an ill–defined pattern are the results of the succession of high and low resistivities.

Moderate to high chargeability anomalies have been revealed by the surveys and justified follow–up studies. These anomalies are on line 200E and at the south end of lines 0 to 300E.

The anomaly IP–1 is located on line 200E near the station 37N. It has chargeability values of 8 mV/V associated with a decrease of resistivity and a magnetic spike. There is a high probability to explain this anomaly by examination of this outcropping area. A second anomaly IP–3 of similar chargeability occurred near the station 137S with a lower resistivity but no coincident magnetic variation. The resistivity pattern suggests a narrow source of limited depth extension. Between the two former anomalies, a weak chargeability anomaly IP–2 associated with resistivity high occurred near the station 50S.

Anomaly IP–4 is located at the end of lines 0 to 300E and was not totally covered by the IP survey. The best intersection seems to be on line 100E at station 187S where chargeability up to 17 mV/V is associated with a decrease of resistivity. The outcrop examination may reveals the source of this anomaly.

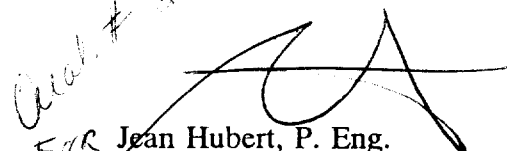
Anomaly IP-5 shows a weak (5 mV/V) chargeability associated with high resistivity and located just north of anomaly IP-4.

## 5. CONCLUSION AND RECOMMENDATIONS

Magnetic, horizontal-loop electromagnetic and induced polarization surveys have been performed on CLODAN PROSPECT property owned by ANGLAUMAQUE EXPLORATIONS INC. and TOTEM SCIENCES INC. The electromagnetic survey shows anomalies due to conductive overburden. The induced polarization survey presents weak and ill-defined anomalies which are attributed to high resistive outcrop in a very conductive overburden. Moderate to high anomalies, which can be magnetic and conductive, are located in outcropping area and could probably be explained by prospecting and trenching. The induced polarization survey must be extended to the south to cover the anomaly near the tie line 200S.

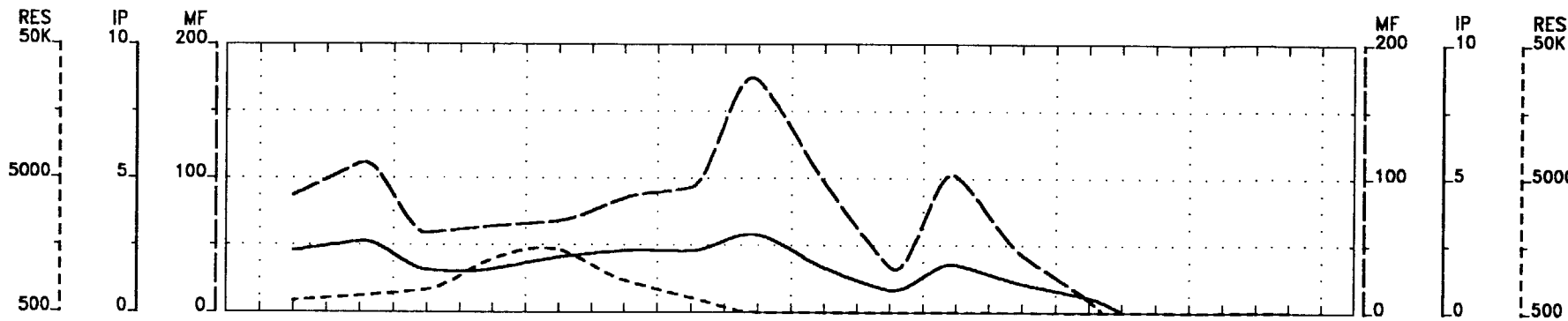
Respectfully submitted,

VAL D'OR SAGAX INC.

*Calc. # 2.17154*  
  
FOR Jean Hubert, P. Eng.  
Consulting Geophysicist

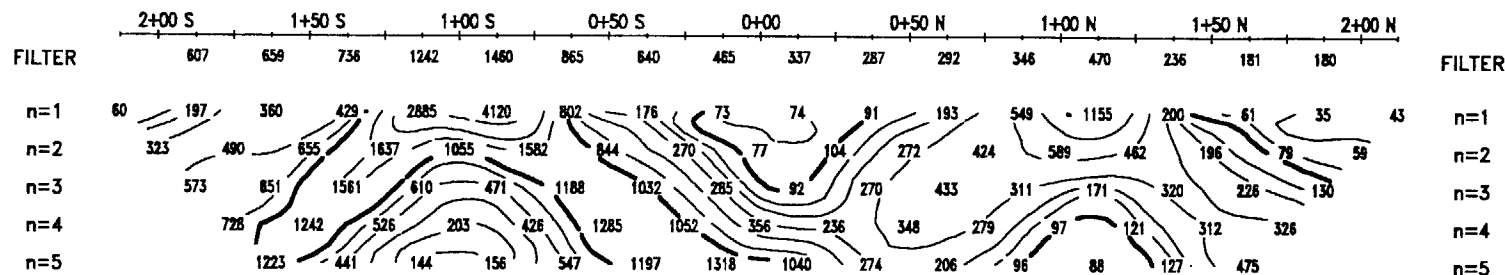
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## **PSEUDOSECTIONS**



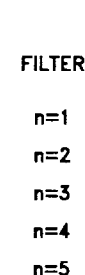
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APPARENT RESISTIVITY (ohm-m)

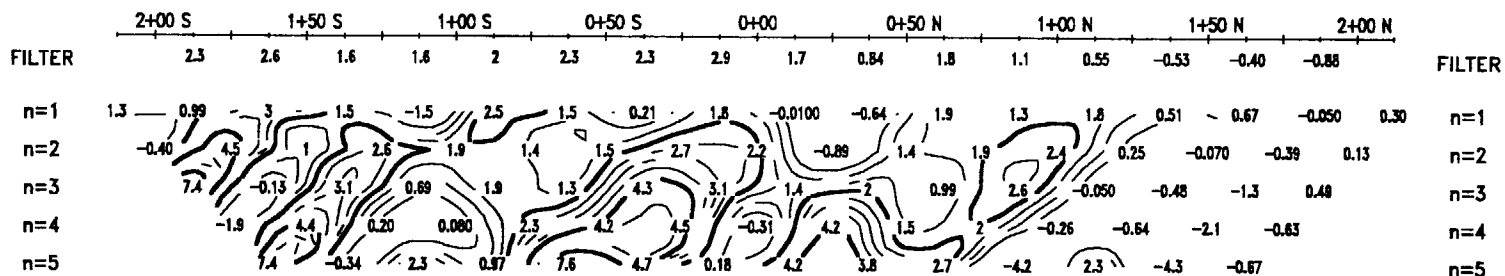


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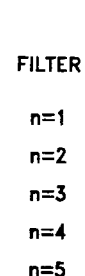
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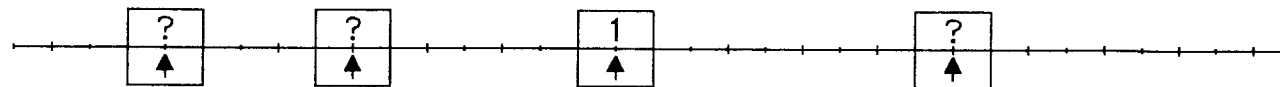
APPARENT POLARISABILITY (mV/V)



APPARENT POLARISABILITY (mV/V)

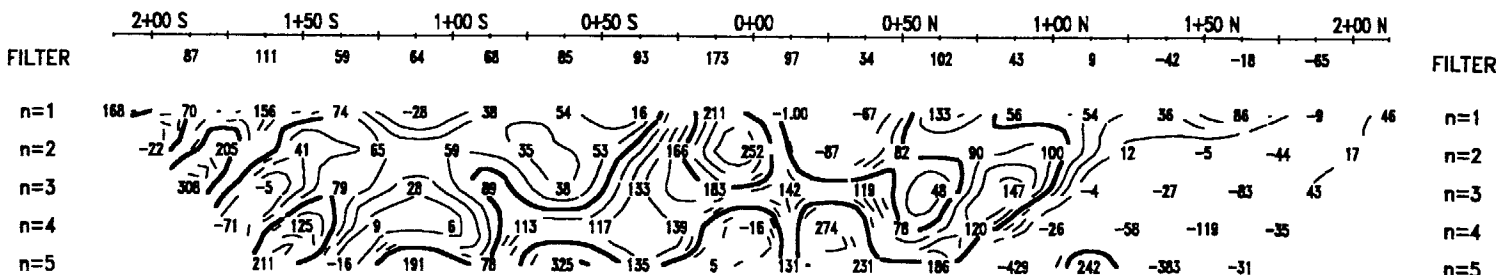


INTERPRETATION

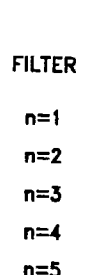


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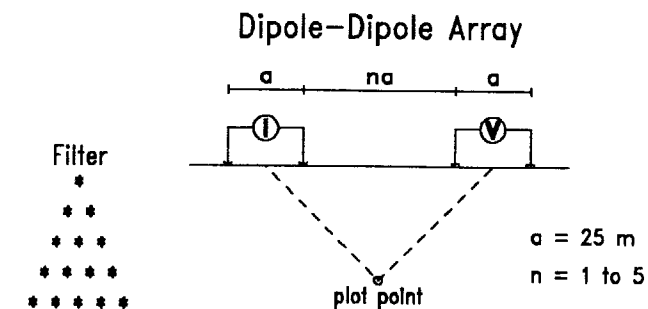
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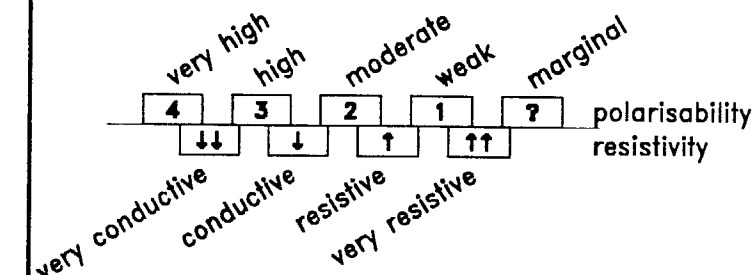
METAL FACTOR (1000\*Ma/(Ra)~0.5)



INDUCED POLARIZATION SURVEY



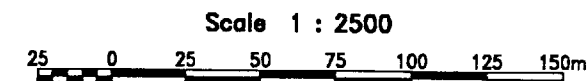
Interpretation legend



Contour interval:  
Resistivity: 1, 1.5, 2, 3, 5, 7.5, 10,..  
Polarisability: 0.5  
Metal Factor: 20

Instruments: Iris Elrec-6, Phoenix IPT-1, MG-1

Line 3+00W

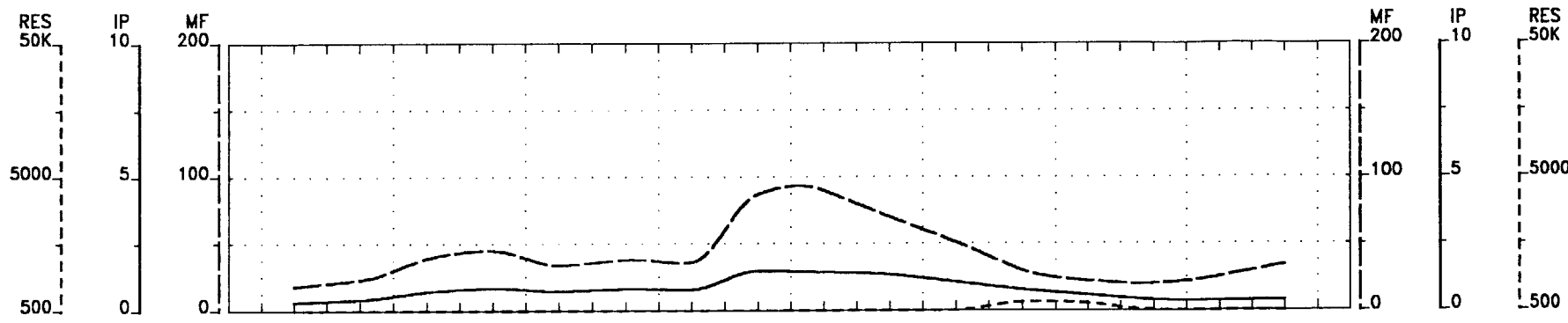


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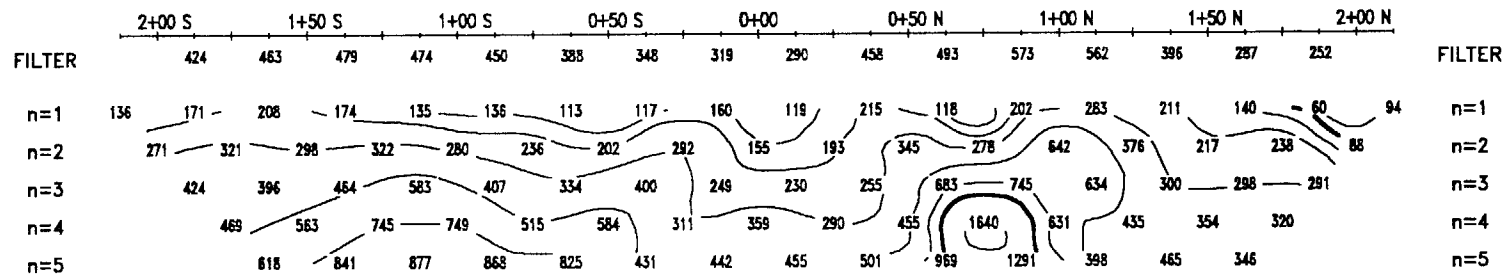
Interpreted by: J.M. Hubert, Eng.  
Date of survey: January 1997  
Surveyed by: Martin Dubols  
Reference: 96-N151

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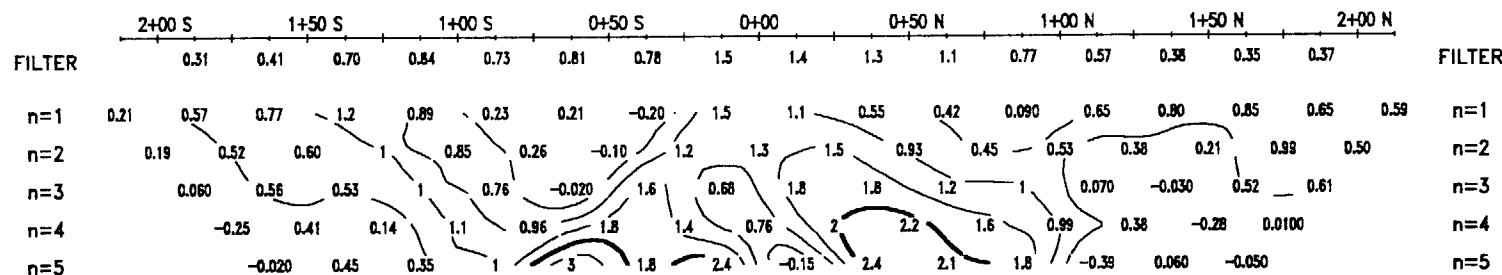
APPARENT RESISTIVITY (ohm-m)



TOPOGRAPHY

APPARENT RESISTIVITY (ohm-m)

APPARENT POLARISABILITY (mV/V)



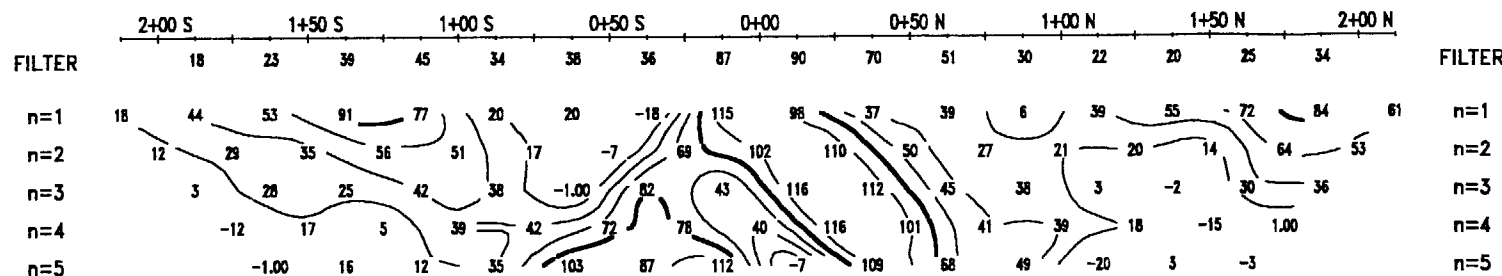
APPARENT POLARISABILITY (mV/V)

INTERPRETATION



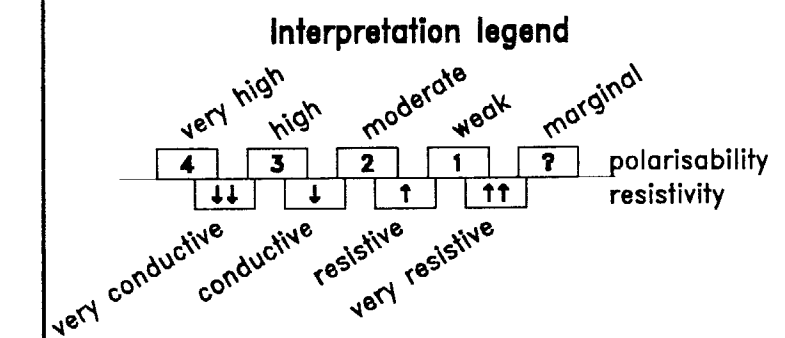
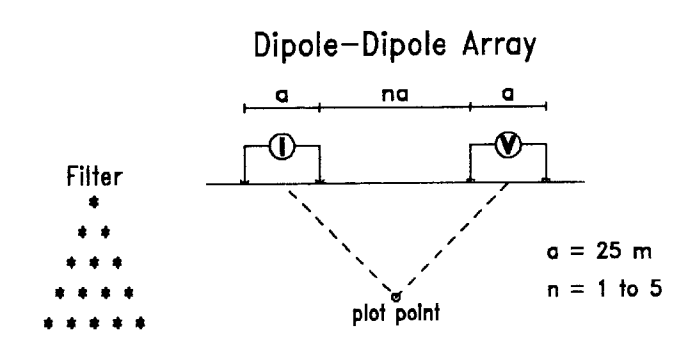
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METAL FACTOR (1000\*Ma/(Ra)~0.5)



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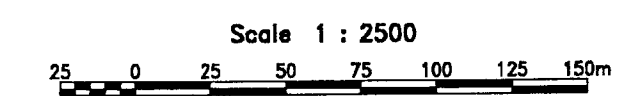
INDUCED POLARIZATION SURVEY



Contour interval:  
 Resistivity: 1, 1.5, 2, 3, 5, 7.5, 10,..  
 Polarisability: 0.5  
 Metal Factor: 20

Instruments: Iris Elrec-6, Phoenix IPT-1, MG-1

Line 2+00W

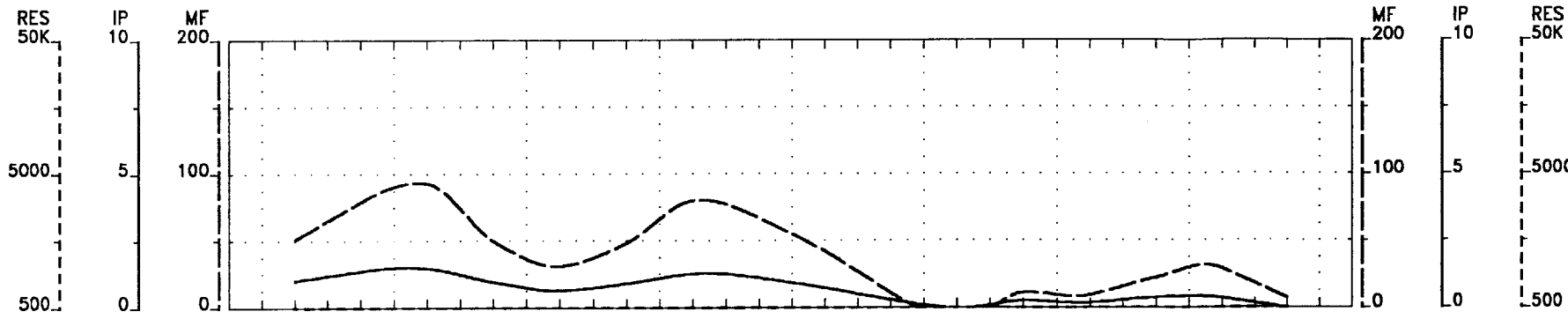


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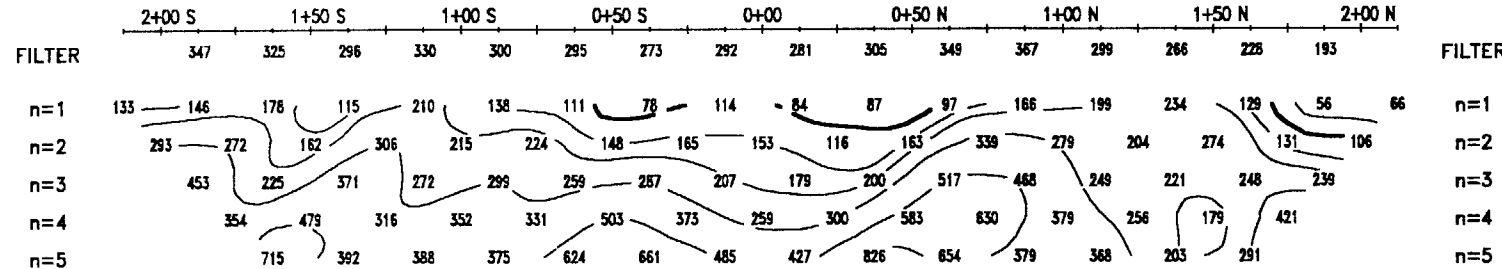
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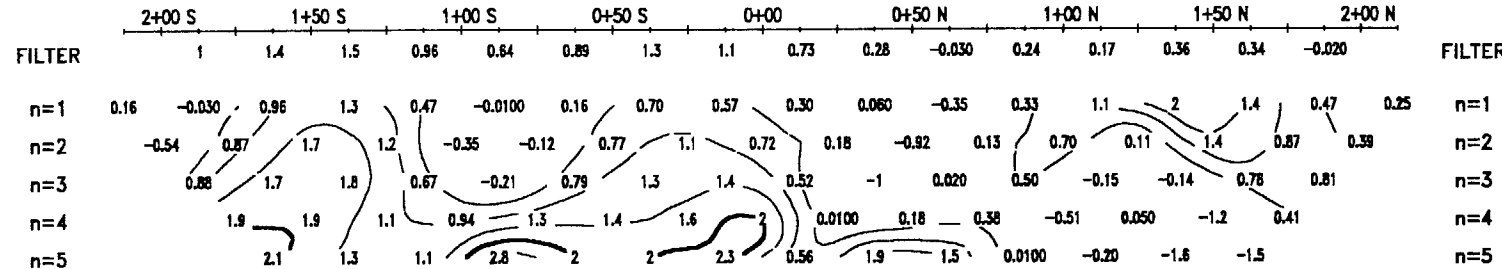


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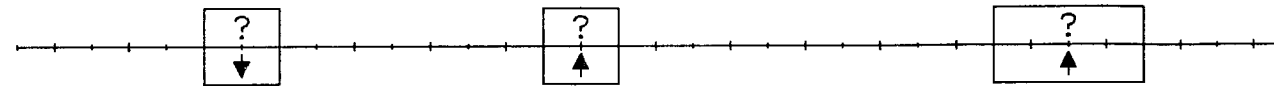
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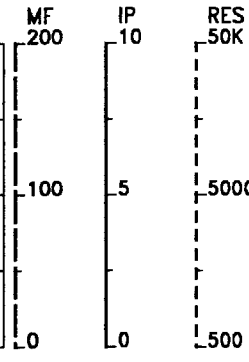
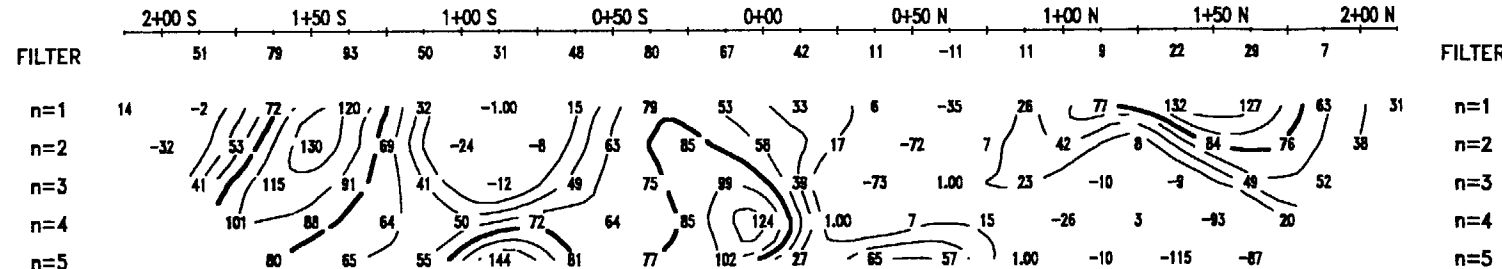
APPARENT POLARISABILITY (mV/V)



INTERPRETATION

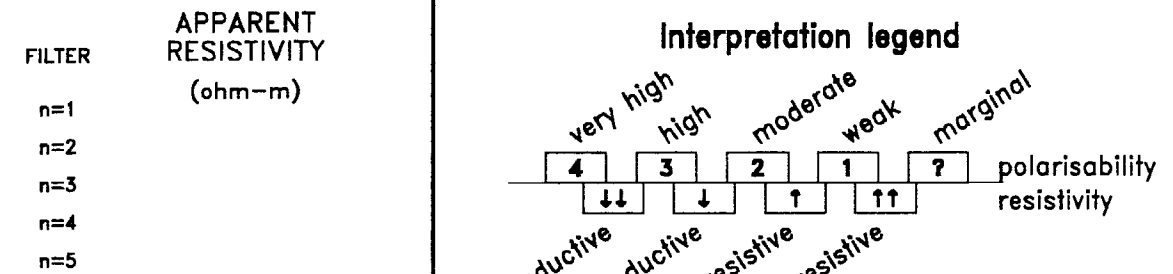


METAL FACTOR (1000\*Ma/(Ra)~0.5)

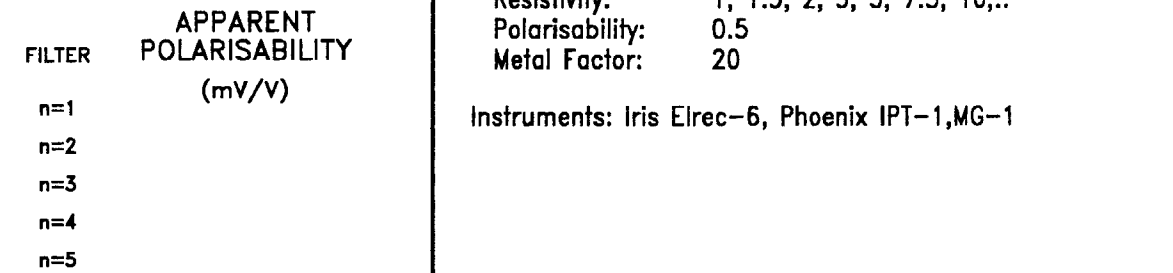


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APPARENT RESISTIVITY (ohm-m)

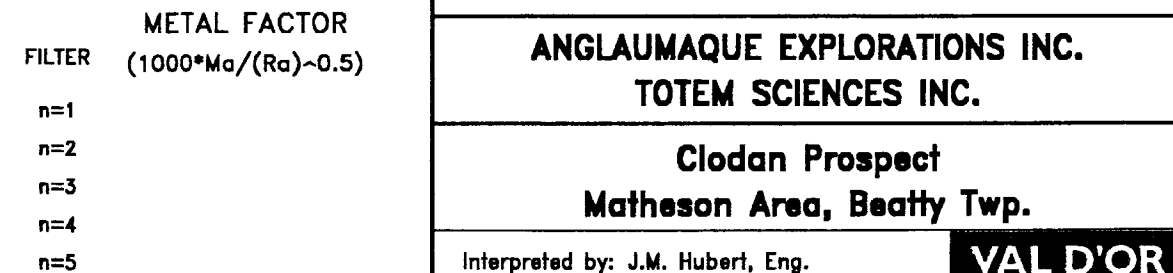


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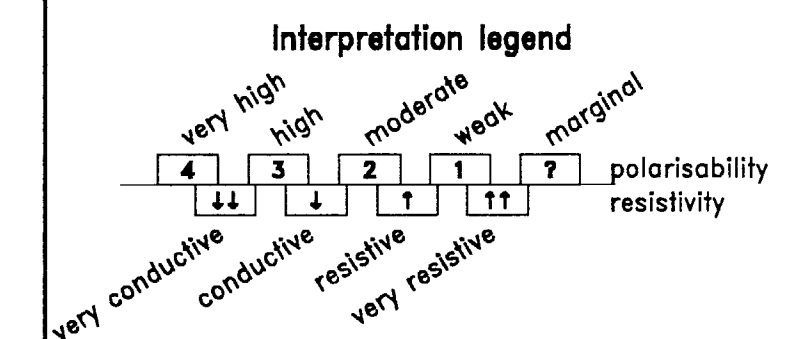
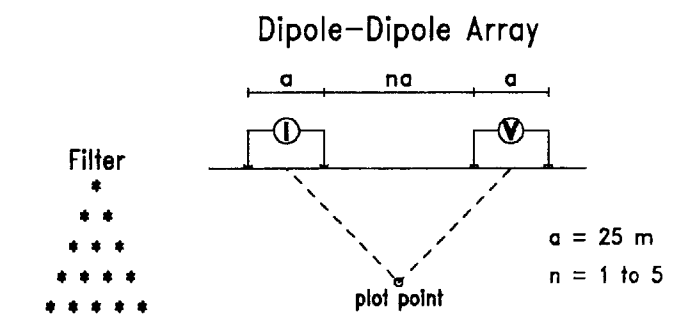


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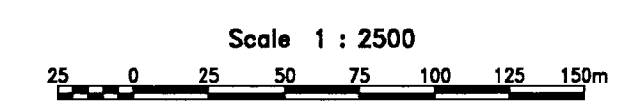


INDUCED POLARIZATION SURVEY



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Line 1+00W

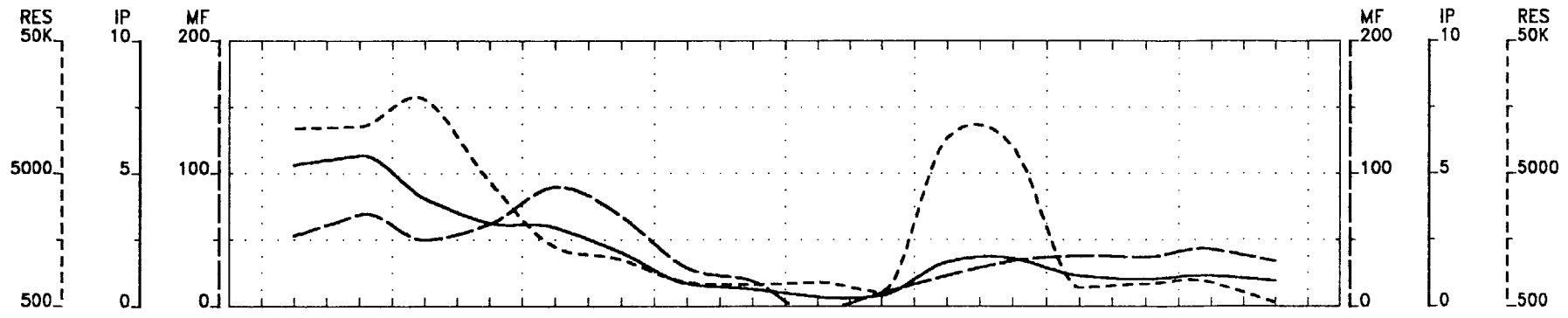


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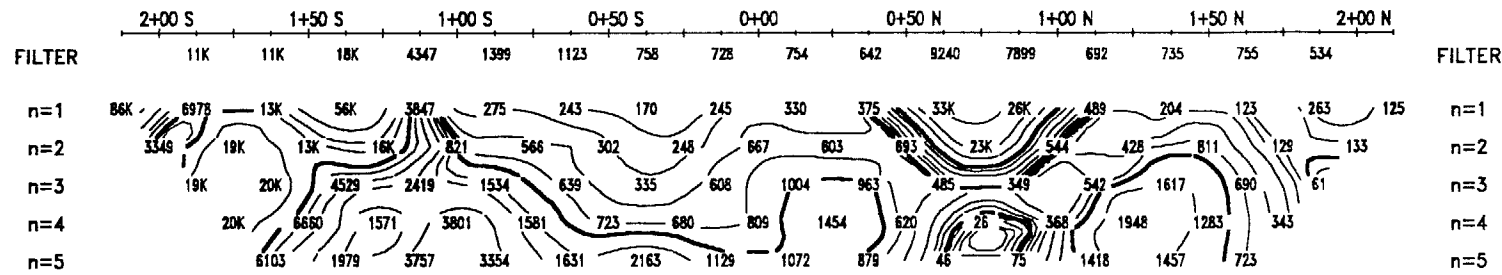
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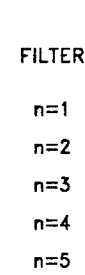
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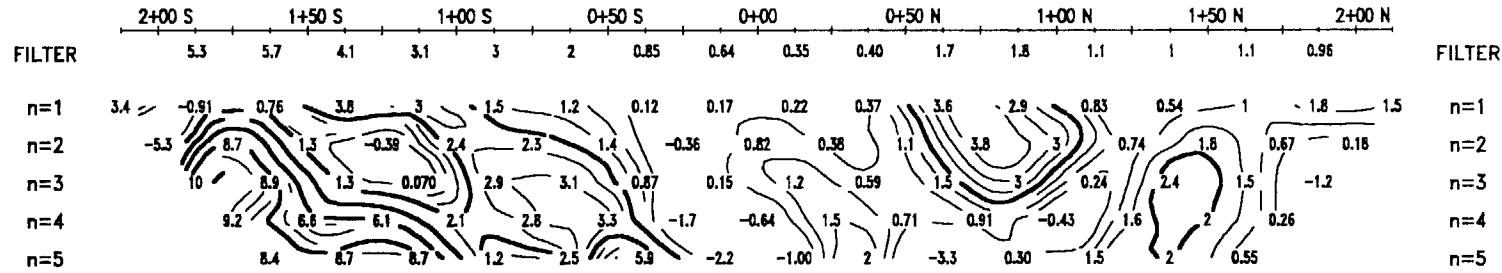


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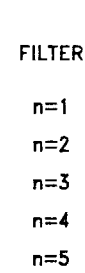
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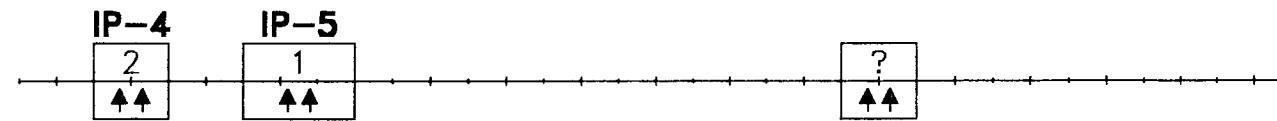
APPARENT POLARISABILITY (mV/V)



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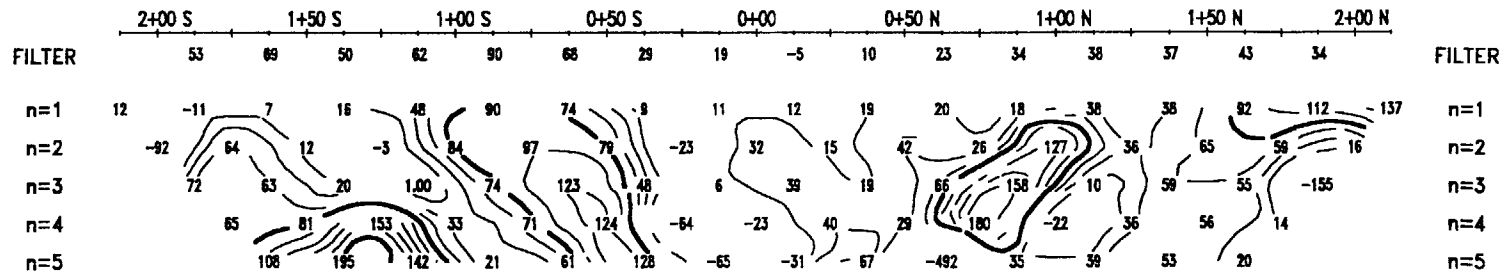


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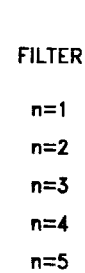


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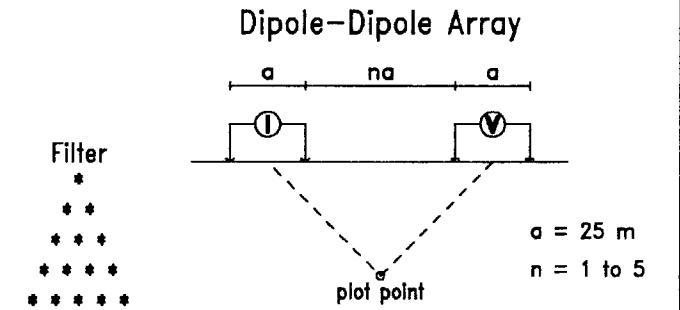
METAL FACTOR (1000\*Ma/(Ra)~0.5)



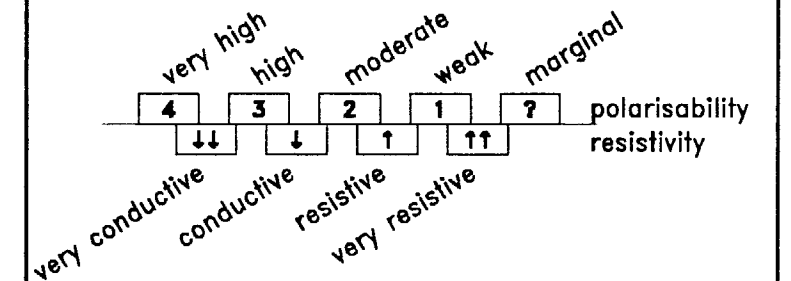
METAL FACTOR (1000\*Ma/(Ra)~0.5)



INDUCED POLARIZATION SURVEY



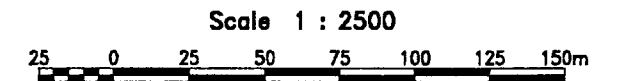
Interpretation legend



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Line 0+00E

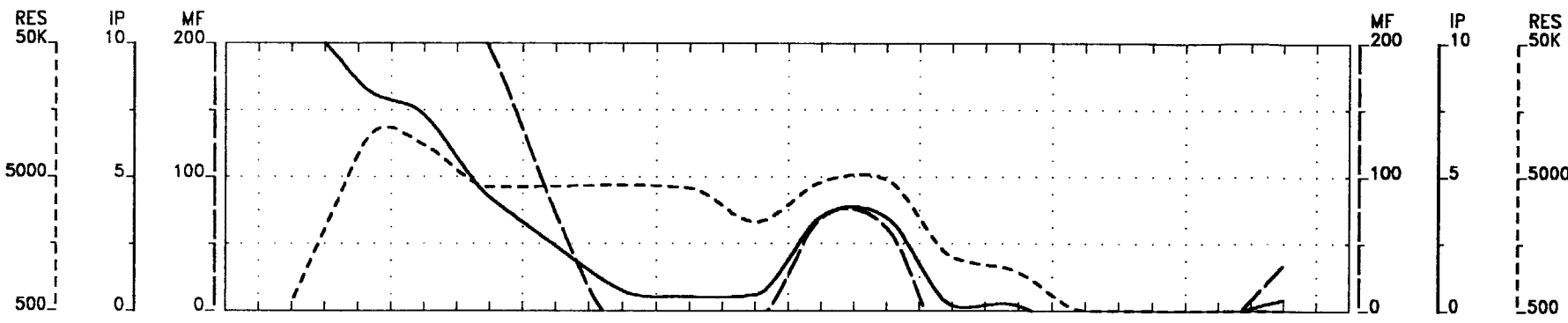


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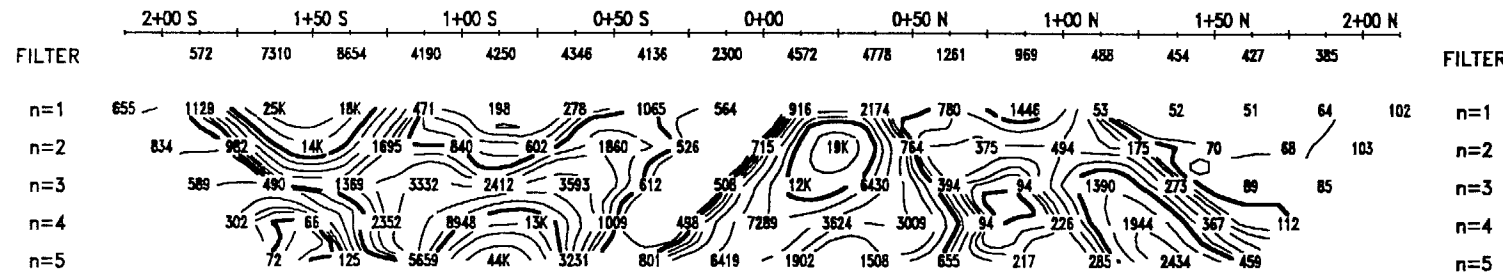
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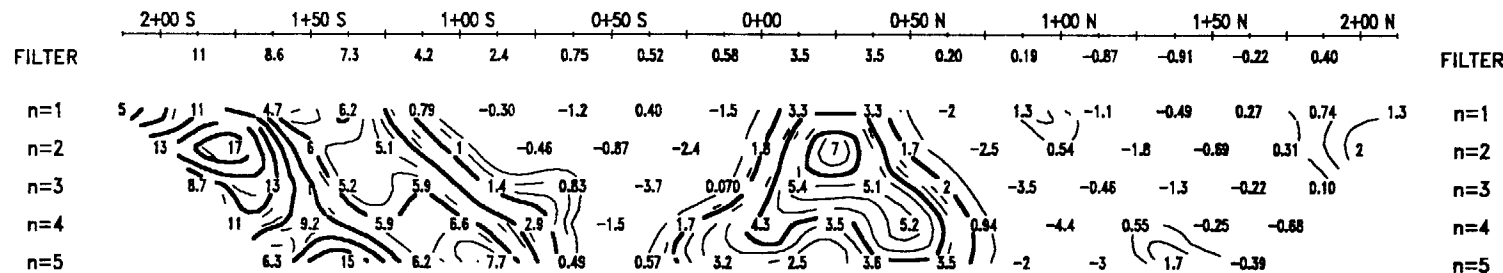


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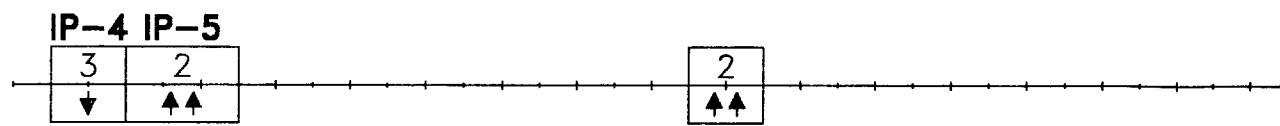
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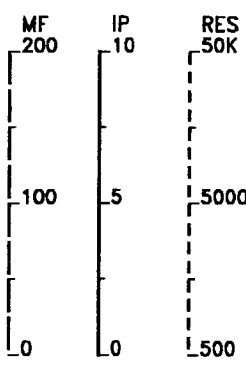
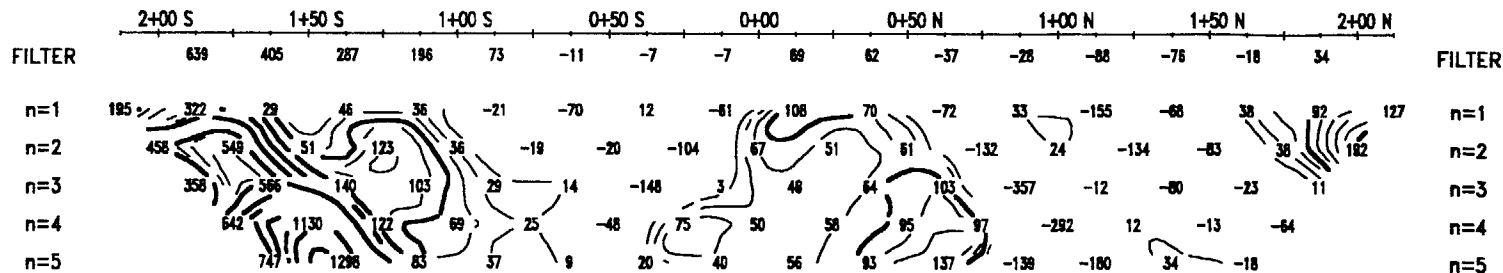
APPARENT POLARISABILITY (mV/V)



INTERPRETATION

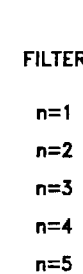


METAL FACTOR (1000\*Ma/(Ra)~0.5)

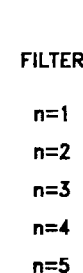


TOPOGRAPHY

APPARENT RESISTIVITY (ohm-m)

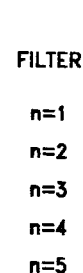


APPARENT POLARISABILITY (mV/V)

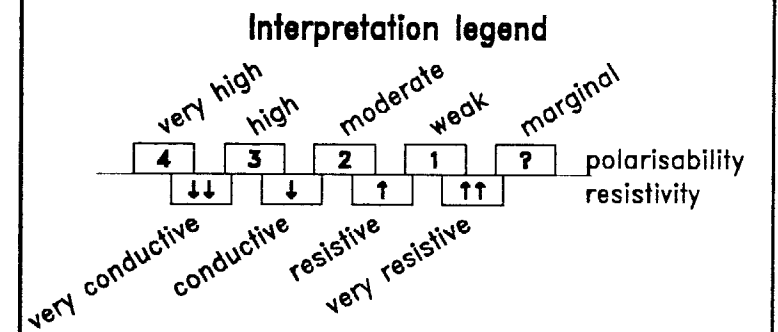
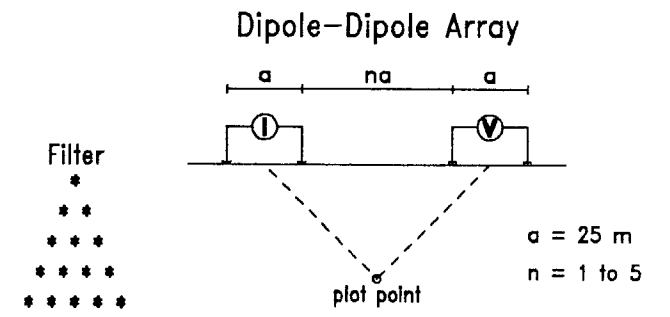


INTERPRETATION

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



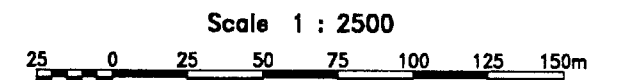
INDUCED POLARIZATION SURVEY



Contour interval:  
 Resistivity: 1, 1.5, 2, 3, 5, 7.5, 10, ...  
 Polarisability: 0.5  
 Metal Factor: 20

Instruments: Iris Elrec-6, Phoenix IPT-1, MG-1

Line 1+00E



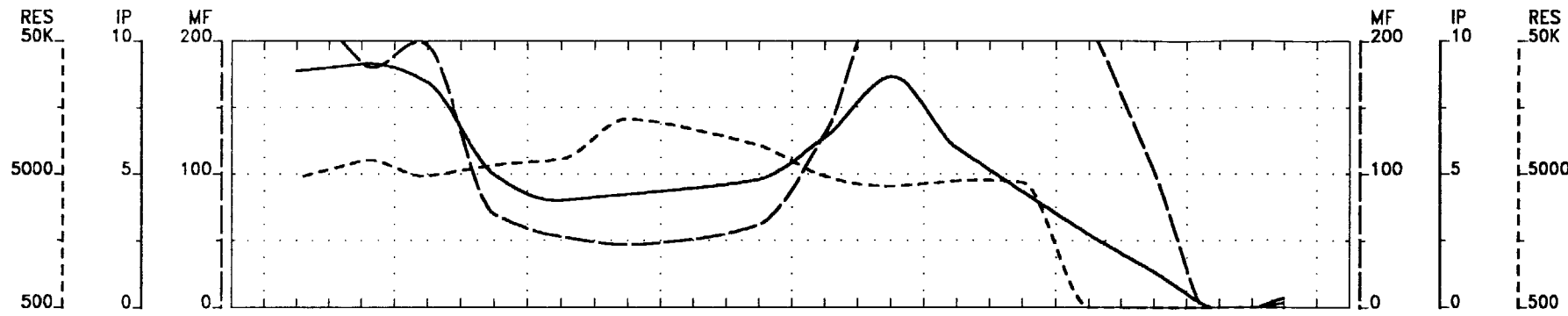
ANGLAUMAQUE EXPLORATIONS INC.  
 TOTEM SCIENCES INC.

Clodan Prospect  
 Matheson Area, Beatty Twp.

Interpreted by: J.M. Hubert, Eng.  
 Date of survey: January 1997  
 Surveyed by: Martin Dubois  
 Reference: 96-N151

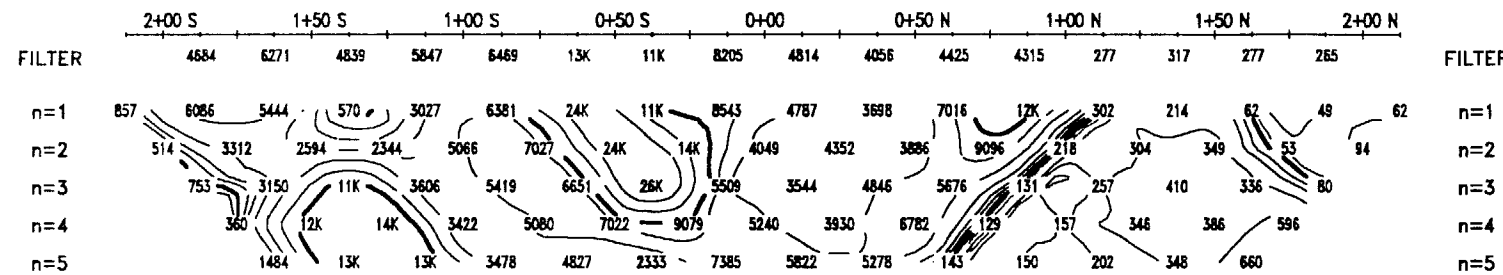






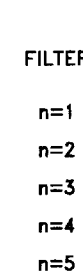
TOPOGRAPHY

APPARENT RESISTIVITY (ohm-m)

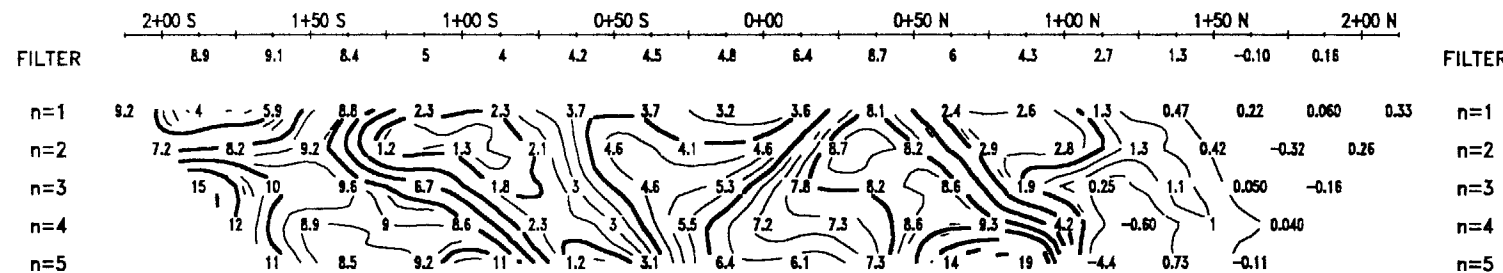


TOPOGRAPHY

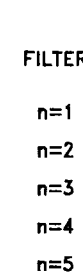
APPARENT RESISTIVITY (ohm-m)



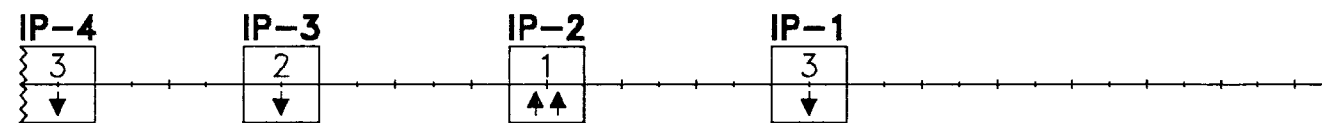
APPARENT POLARISABILITY (mV/V)



APPARENT POLARISABILITY (mV/V)

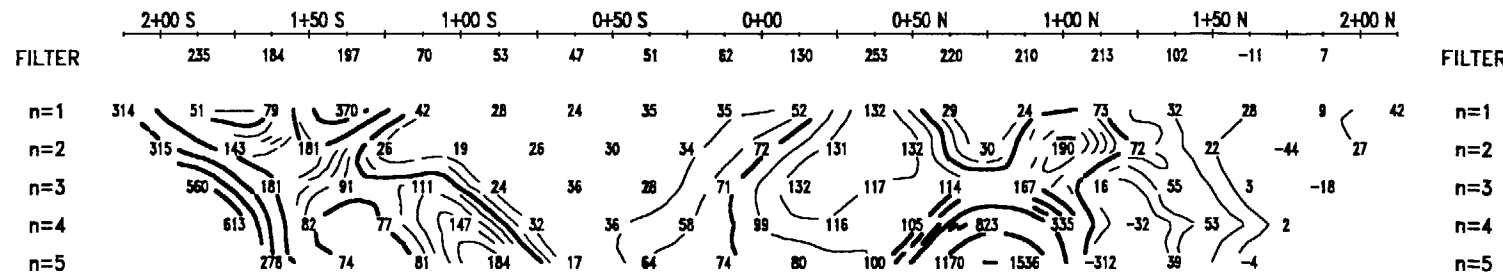


INTERPRETATION

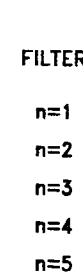


INTERPRETATION

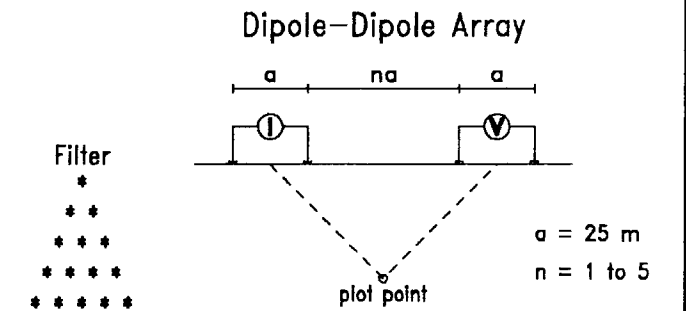
METAL FACTOR (1000\*Ma/(Ra)~0.5)



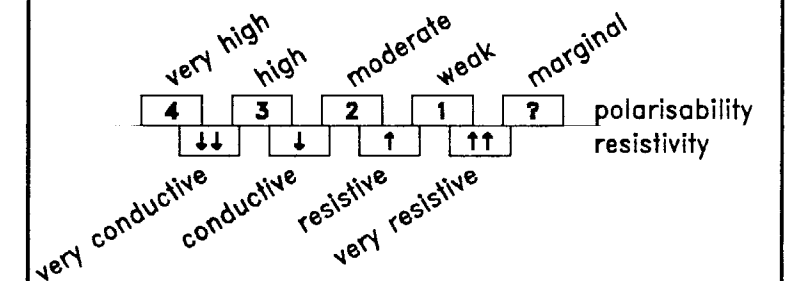
METAL FACTOR (1000\*Ma/(Ra)~0.5)



INDUCED POLARIZATION SURVEY



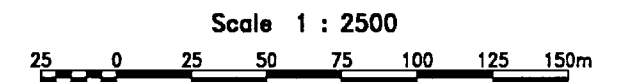
Interpretation legend



Contour interval:  
Resistivity: 1, 1.5, 2, 3, 5, 7.5, 10,..  
Polarisability: 0.5  
Metal Factor: 20

Instruments: Iris Elrec-6, Phoenix IPT-1, MG-1

Line 2+00E

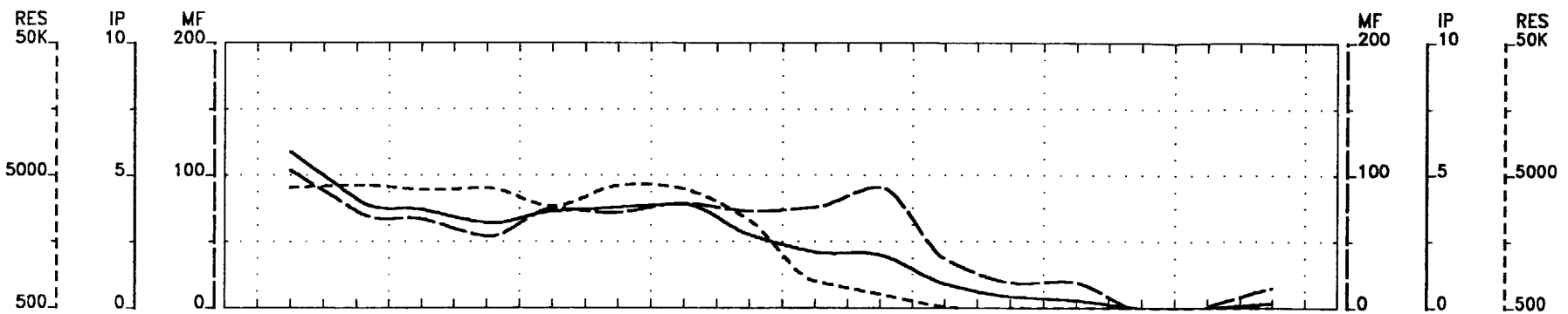


ANGLAUMAQUE EXPLORATIONS INC.  
TOTEM SCIENCES INC.

Clodan Prospect  
Matheson Area, Beatty Twp.

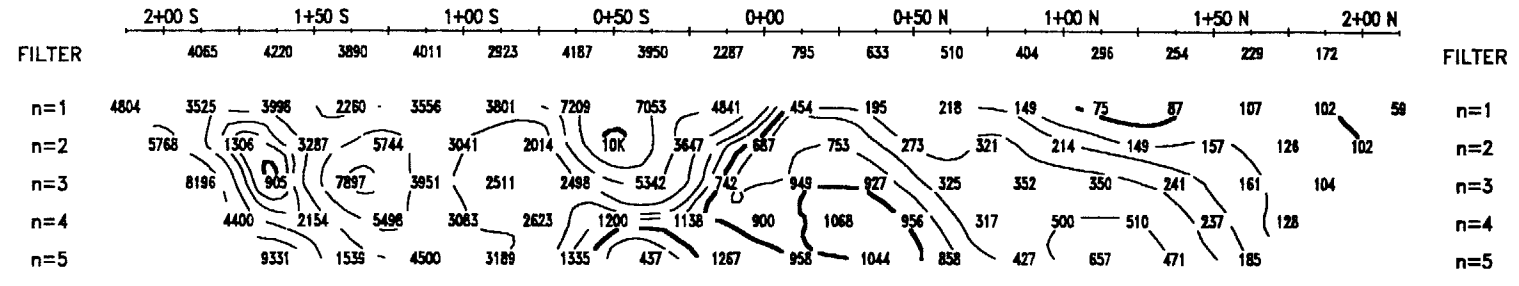
Interpreted by: J.M. Hubert, Eng.  
Date of survey: January 1997  
Surveyed by: Martin Dubols  
Reference: 96-N151

VAL D'OR  
SAG AX



TOPOGRAPHY

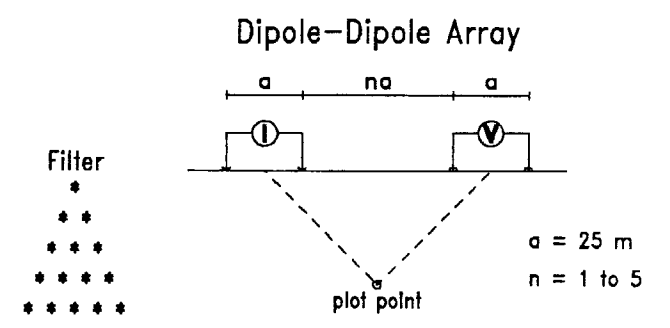
APPARENT RESISTIVITY (ohm-m)



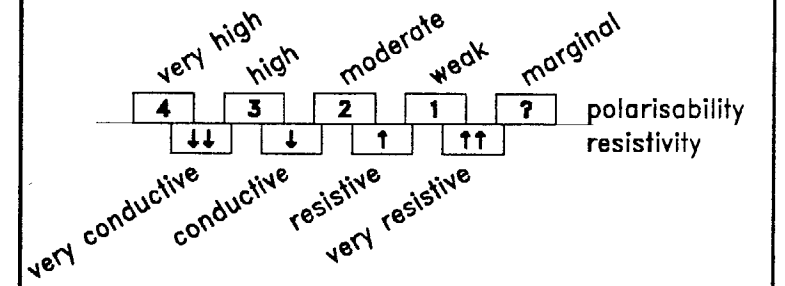
TOPOGRAPHY

APPARENT RESISTIVITY (ohm-m)

**INDUCED POLARIZATION SURVEY**



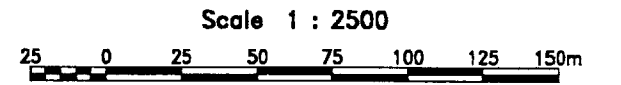
**Interpretation legend**



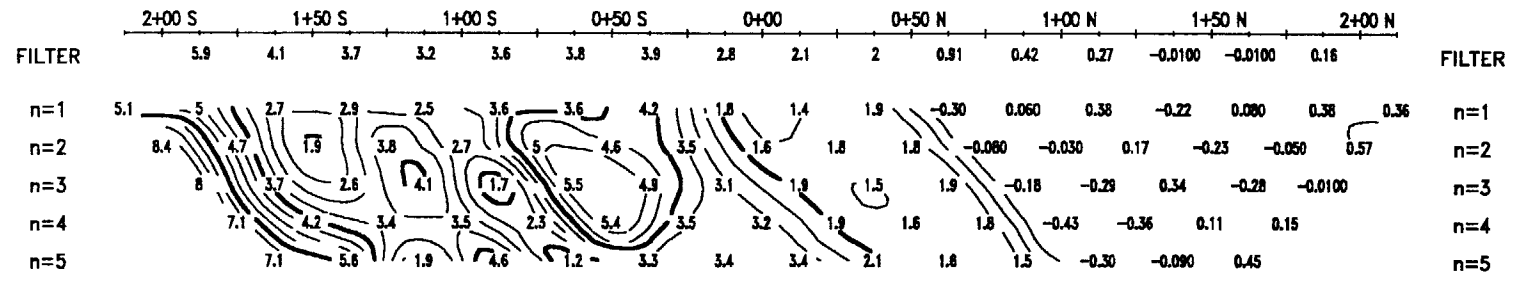
Contour interval:  
 Resistivity: 1, 1.5, 2, 3, 5, 7.5, 10,..  
 Polarisability: 0.5  
 Metal Factor: 20

Instruments: Iris Elrec-6, Phoenix IPT-1, MG-1

**Line 3+00E**

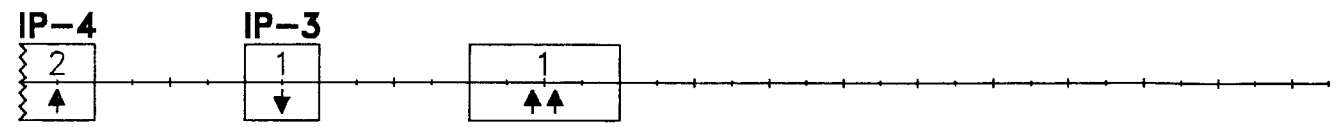


APPARENT POLARISABILITY (mV/V)



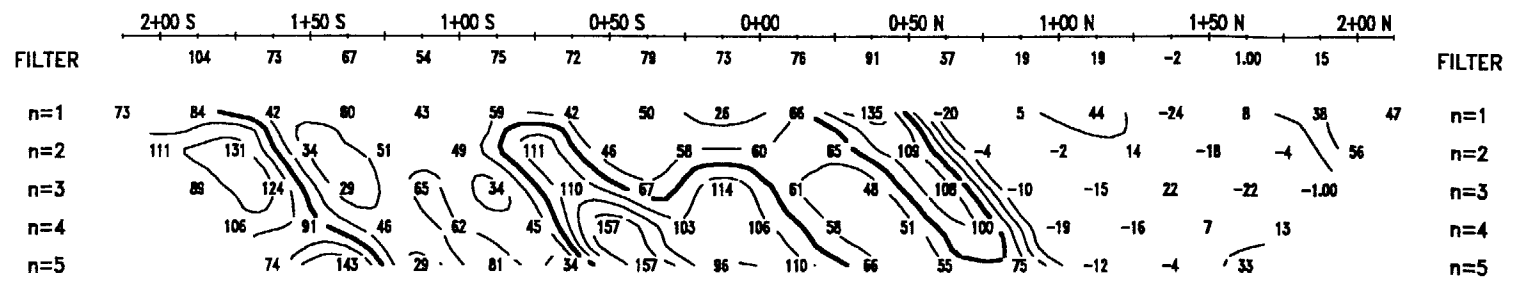
APPARENT POLARISABILITY (mV/V)

INTERPRETATION



INTERPRETATION

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



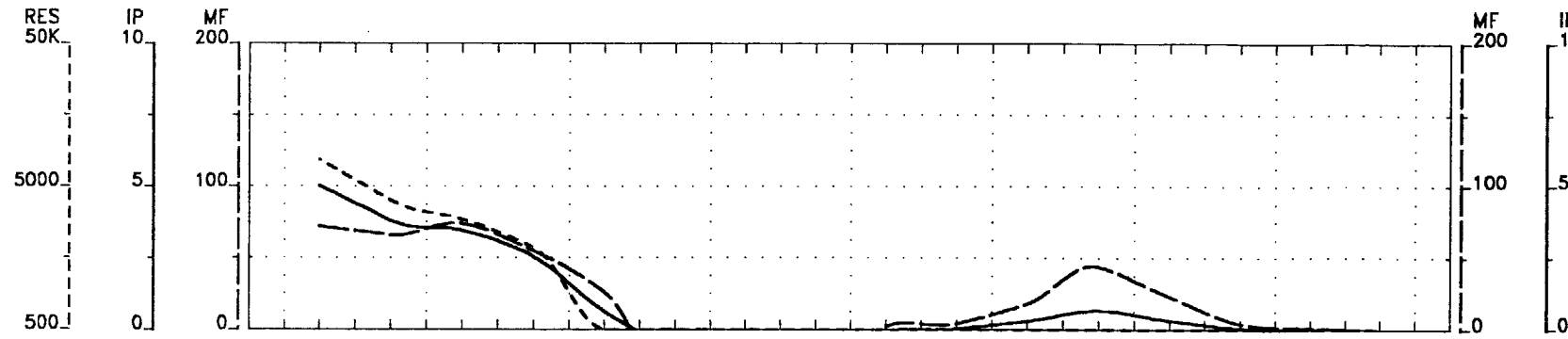
METAL FACTOR (1000\*Ma/(Ra)~0.5)

**ANGLAUMAQUE EXPLORATIONS INC.**  
**TOTEM SCIENCES INC.**

**Clodan Prospect**  
**Matheson Area, Beatty Twp.**

Interpreted by: J.M. Hubert, Eng.  
 Date of survey: January 1997  
 Surveyed by: Martin Dubols  
 Reference: 96-N151

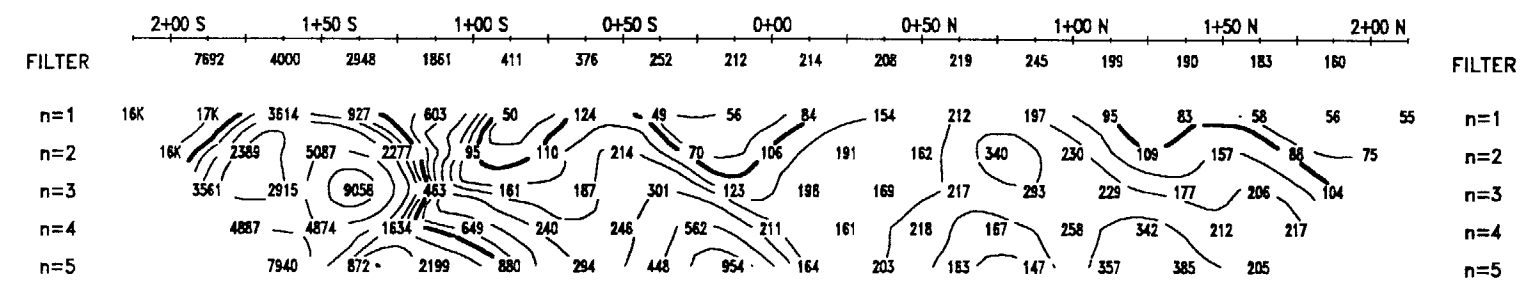




TOPOGRAPHY

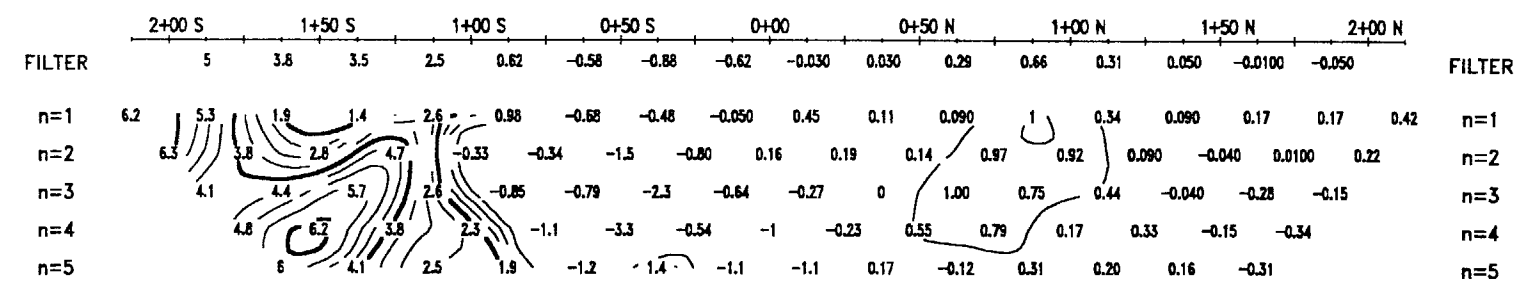
TOPOGRAPHY

APPARENT RESISTIVITY (ohm-m)



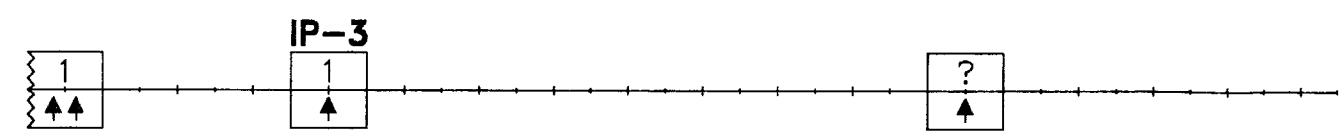
APPARENT RESISTIVITY (ohm-m)

APPARENT POLARISABILITY (mV/V)



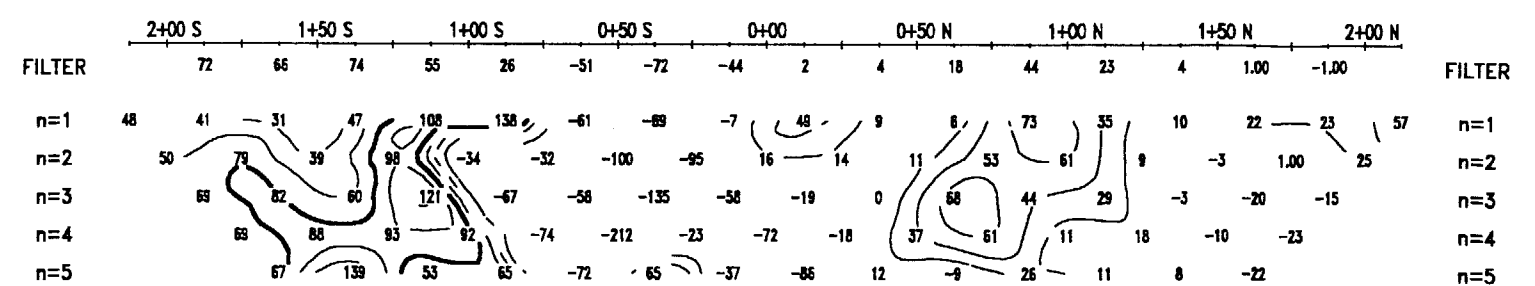
APPARENT POLARISABILITY (mV/V)

INTERPRETATION



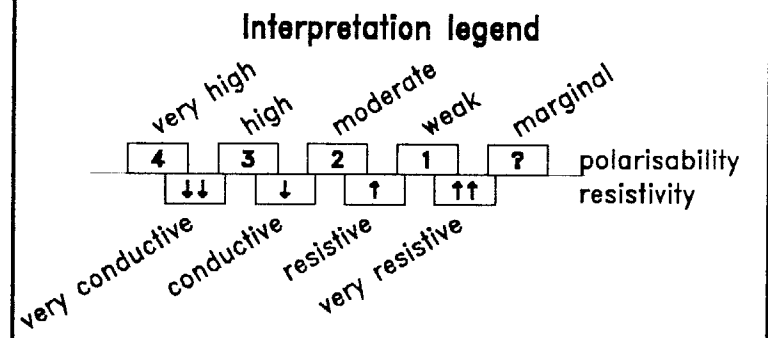
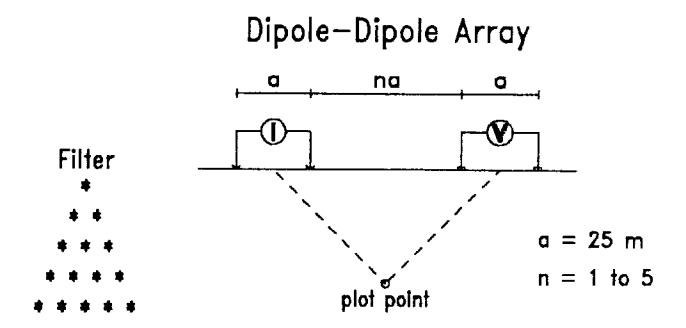
INTERPRETATION

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



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

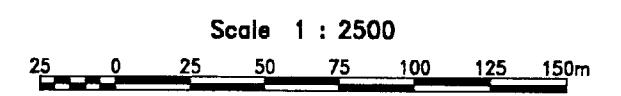
INDUCED POLARIZATION SURVEY



Contour interval:  
 Resistivity: 1, 1.5, 2, 3, 5, 7.5, 10,...  
 Polarisability: 0.5  
 Metal Factor: 20

Instruments: Iris Elrec-6, Phoenix IPT-1, MG-1

Line 4+00E



ANGLAUMAQUE EXPLORATIONS INC.  
 TOTEM SCIENCES INC.

Clodan Prospect  
 Matheson Area, Beatty Twp.

Interpreted by: J.M. Hubert, Eng.  
 Date of survey: January 1997  
 Surveyed by: Martin Dubois  
 Reference: 96-N151



Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. 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 landholder. Questions about this form should be directed to Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road.



Instructions: - |

900 1, use form 0212 2.17178

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

Name 297 3090 Canada Inc.	Client Number 300337
Address 152 chemin de la Mine Ecde Val d'Or, Quebec J9P 4N7	Telephone Number (819) 824-1030
	Fax Number (819) 824-1003
Name	Client Number
Address	Telephone Number
	Fax Number

RECEIVED  
MAR 11 1997  
MINING LANDS BRANCH

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 Geophysics: Magnetic, H.L.E.M. and Induced Polarization Surveys	Office Use
Dates Work Performed From 12 01 97 To 14 01 97	Commodity
Global Positioning System Data (if available)	Total \$ Value of Work Claimed 9,268.00
Township/Area Beatty	NTS Reference
M or G-Plan Number M-324	Mining Division Larder Lake
	Resident Geologist District Kirkland Lake

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 Val d'Or Sagax Inc.	Telephone Number (819) 874-2001
Address 50 Lanique Boul, Val d'Or, Que J9P 2H6	Fax Number (819) 874-2002
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

RECEIVED  
97 MAR 10 11 AM  
MINING DIVISION  
LARDER LAKE

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 <i>Larry J. Stoliker</i>	Date March 03/97
Agent's Address 103 Carter Ave, Kirkland Lake, Ont P2N1Z6	Telephone Number (705) 567-9980
	Fax Number (705) 567-6873

Done in Kirkland Lake, Ont. 18/97

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-1206877	2	\$8268	\$4800		3468
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		\$8268	\$4800		\$3468

2.17178

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MAR 11 1997  
MINING LANDS BRANCH

I, Larry J. Stouker, 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. Stouker Date: March 03, 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

TT OT MH OT MHM Z6.  
MINING DIVISION

Deemed Approved Date: 97 June 8.  
Date Approved: [Signature]  
Approved for Recording by Mining Recorder (Signature): [Signature]  
Date Notification Sent: \_\_\_\_\_  
Total Value of Credit Approved: \_\_\_\_\_

TOM: CLODAN PROSPECT

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.

2.17108

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
Linecutting (Baseline 800m)	800 metres	\$ 300.00	\$ 256.80
" Lines	4.65 Kilometres	265.00	1318.51
Magnetics	5.3 Kilometres	90.00	510.39
Horizontal Loop	3.2 Kilometres	175.00	599.20
Induced Polarization	4.0 "	850.00	3638.00
Associated Costs (e.g. supplies, mobilization and demobilization).			
Drafting			600.00
Field preparations: line cutting and geophysics		\$ 150 per day	300.00
Consumables: flagging, topofil, paint etc			100.00
Transportation Costs			
	400 Kilometres	.30	120.00
	Snowmobile Rental (3 days)	50.00 per day	150.00
Food and Lodging Costs			
	3 men for 3 days		675.00
Total Value of Assessment Work			\$ 8267.90

**RECEIVED**  
MAR 11 1997  
MINING LANDS BRANCH

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 × 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:

I, Larry J. Stalker (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 Agent I am authorized (recorded holder, agent, or state company position with signing authority) to make this certification.

Signature: Larry J. Stalker Date: March 04/97

Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines



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

July 3, 1997

Roy Spooner  
Mining Recorder  
4 Government Road East  
Kirkland Lake, ON  
P2N 1A2

Telephone: (705) 670-5853  
Fax: (705) 670-5863

Dear Sir or Madam:

Submission Number: 2.17178

**Status**

**Subject: Transaction Number(s):** W9780.00173 Approval After Notice

---

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.

NOTE: This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Bruce Gates by e-mail at gates\_b@torv05.ndm.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Ron C. Gashinski".

ORIGINAL SIGNED BY  
Ron C. Gashinski  
Senior Manager, Mining Lands Section  
Mines and Minerals Division

## Work Report Assessment Results

---

**Submission Number:** 2.17178

**Date Correspondence Sent:** July 03, 1997

**Assessor:** Bruce Gates

---

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9780.00173	1206877	BEATTY	Approval After Notice	June 19, 1997

**Section:**

14 Geophysical EM  
14 Geophysical MAG  
14 Geophysical IP

Thank you for your response to the 45 Day Notice dated May 5, 1997. The submitted information has clarified all costs associated with this submission. Accordingly, assessment work credit has been approved as outlined on the Declaration of Assessment Work Form accompanying this submission.

**Correspondence to:**

Mining Recorder  
Kirkland Lake, ON

Resident Geologist  
Kirkland Lake, ON

Assessment Files Library  
Sudbury, ON

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

Larry J. Stoliker  
KIRKLAND LAKE, ONTARIO, CANADA

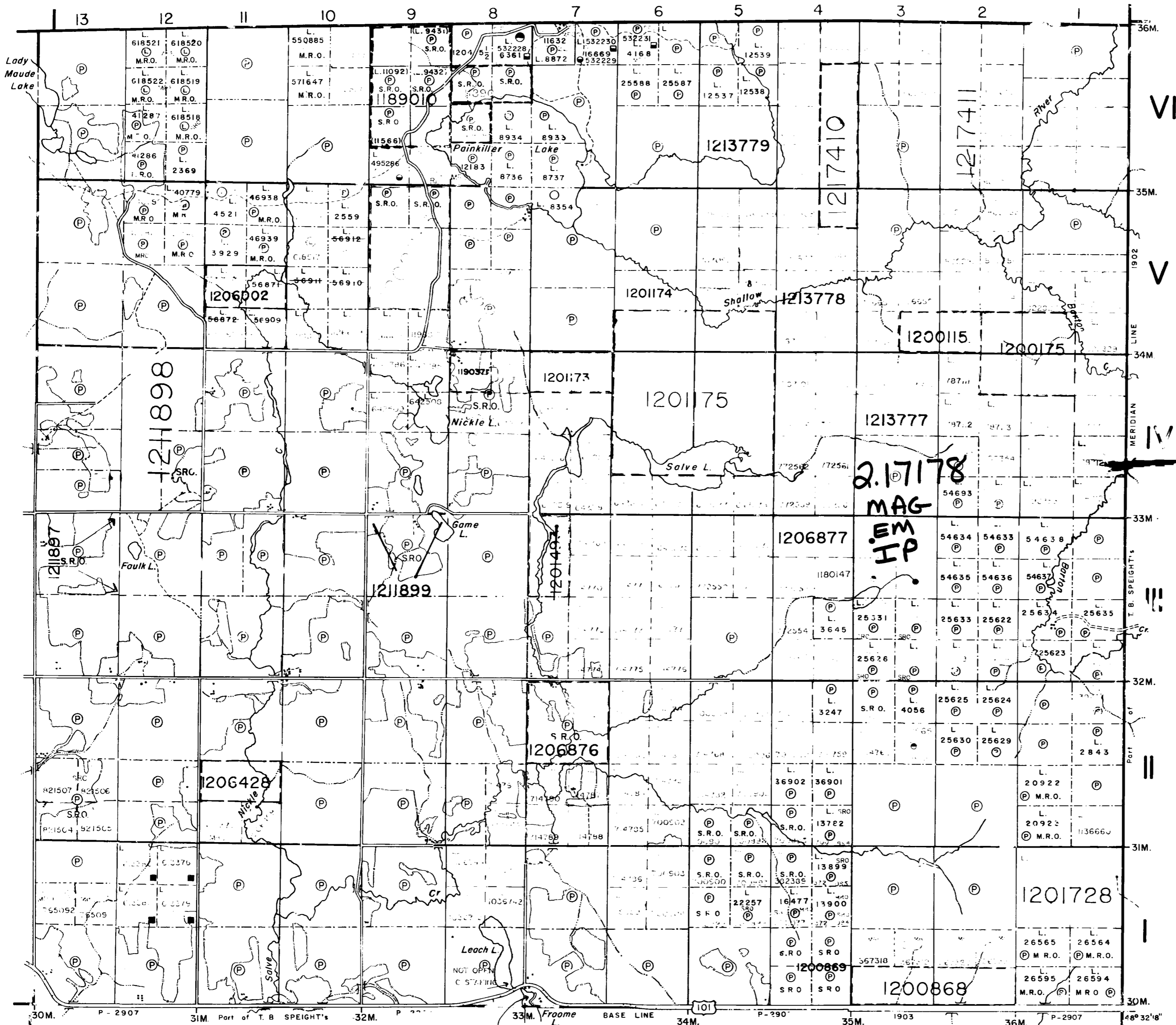
2973090 CANADA INC.  
VAL D'OR, QUEBEC



Couison Twp. (M 340)

Carr Twp. (M.335)

Munro Twp. (M.376)



33M. Froome BASE LINE 34M.  
LOTS 7 & 8 CON IN BEATTY TWP  
THE BED OF FROOME LAKE IS  
CLOSED TO STAKING

Hislop Twp. (M.355)

NOTES

400' Surface Rights Reservation along the shores of all lakes and rivers.

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE WATABEAG MANAGEMENT UNIT AND MAY BE SUBJECT TO FORESTRY OPERATIONS. THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT:

PO BOX 129  
SWASTIKA, ONT.  
POK ITO  
705-642-3222

APPLICANTS WITH PERMISSION TAKING, PROSPECTING, SALE OR EXPLORATION OF MINES UNDER THE MINING ACT, R.S.O. 1990, c. 23 (39) MAY CONTACT THE MNR AT:

LEGEND

- LEASED FOR MINING RIGHTS ONLY
- PATENTED LAND
- PATENTED FOR SURFACE RIGHTS ONLY
- LEASE
- LICENSE OF OCCUPATION
- CROWN LAND SALE
- LOCATED LAND
- CANCELLED
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- HIGHWAY & ROUTE No.
- ROADS
- TRAILS
- RAILWAYS
- POWER LINES
- MARSH OR MUDFLAT
- MINES

used only with summer resort locations or when space is limited.

TOWNSHIP OF

BEATTY

DISTRICT OF COCHRANE

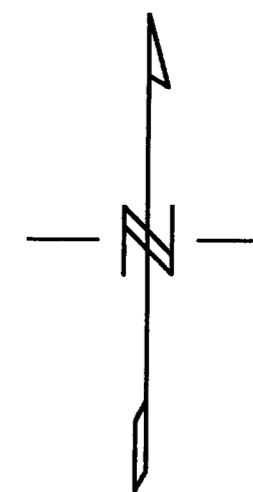
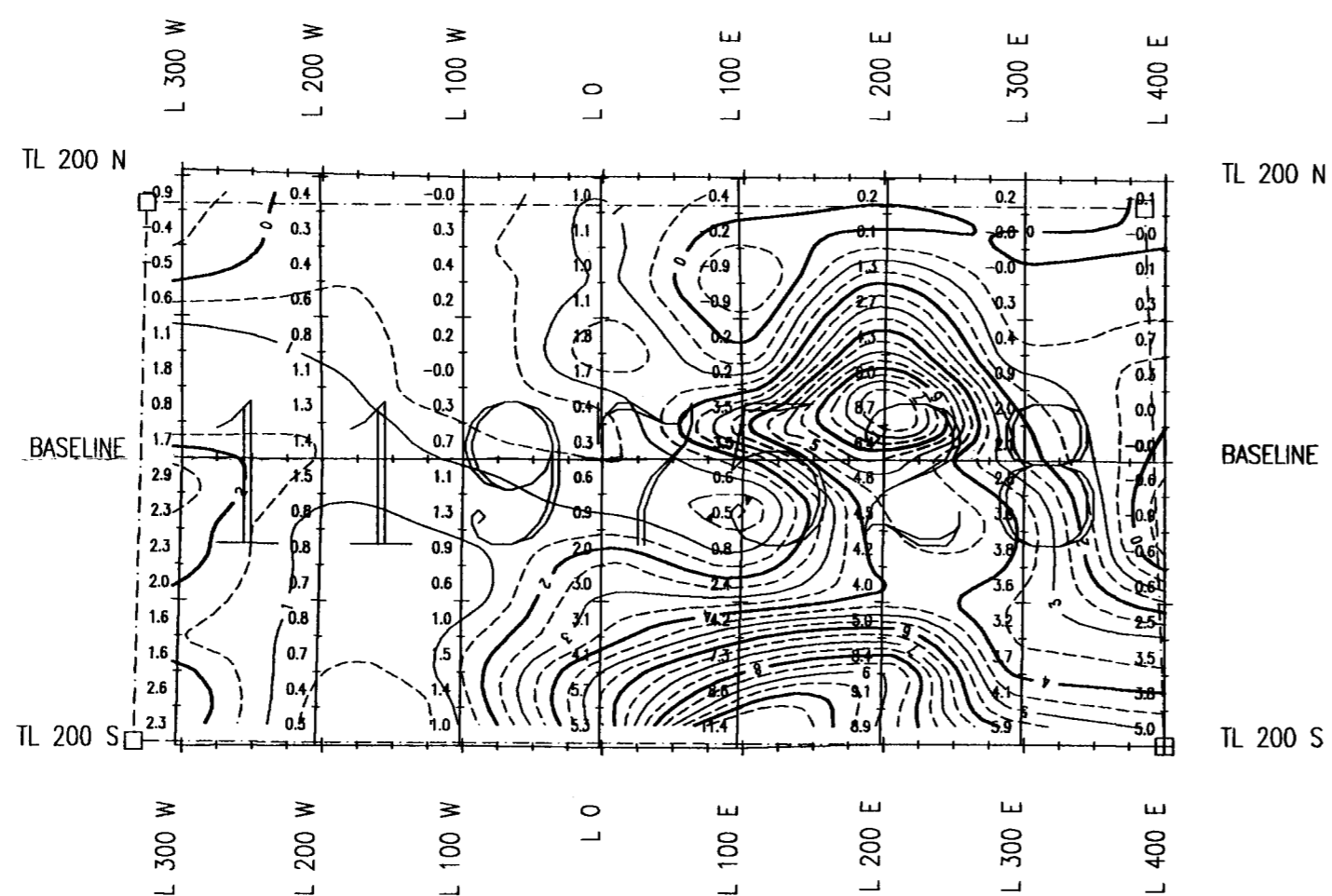
LARDER LAKE MINING DIVISION

SCALE: 1 INCH = 40 CHAINS (1/2 MILE)

DR. k.k.  
DATE Oct./71

PLAN No. M.324

ONTARIO DEPARTMENT OF MINES AND NORTHERN AFFAIRS



**LEGEND**

**CONTOUR INTERVALS (mV/V)**

Linear contours:

----- 0.5  
 \_\_\_\_\_ 1.0  
 \_\_\_\_\_ 2.0

Electrode array: Dipole-dipole  
 $a = 25 \text{ m}$   $n = 1,2,3,4,5$

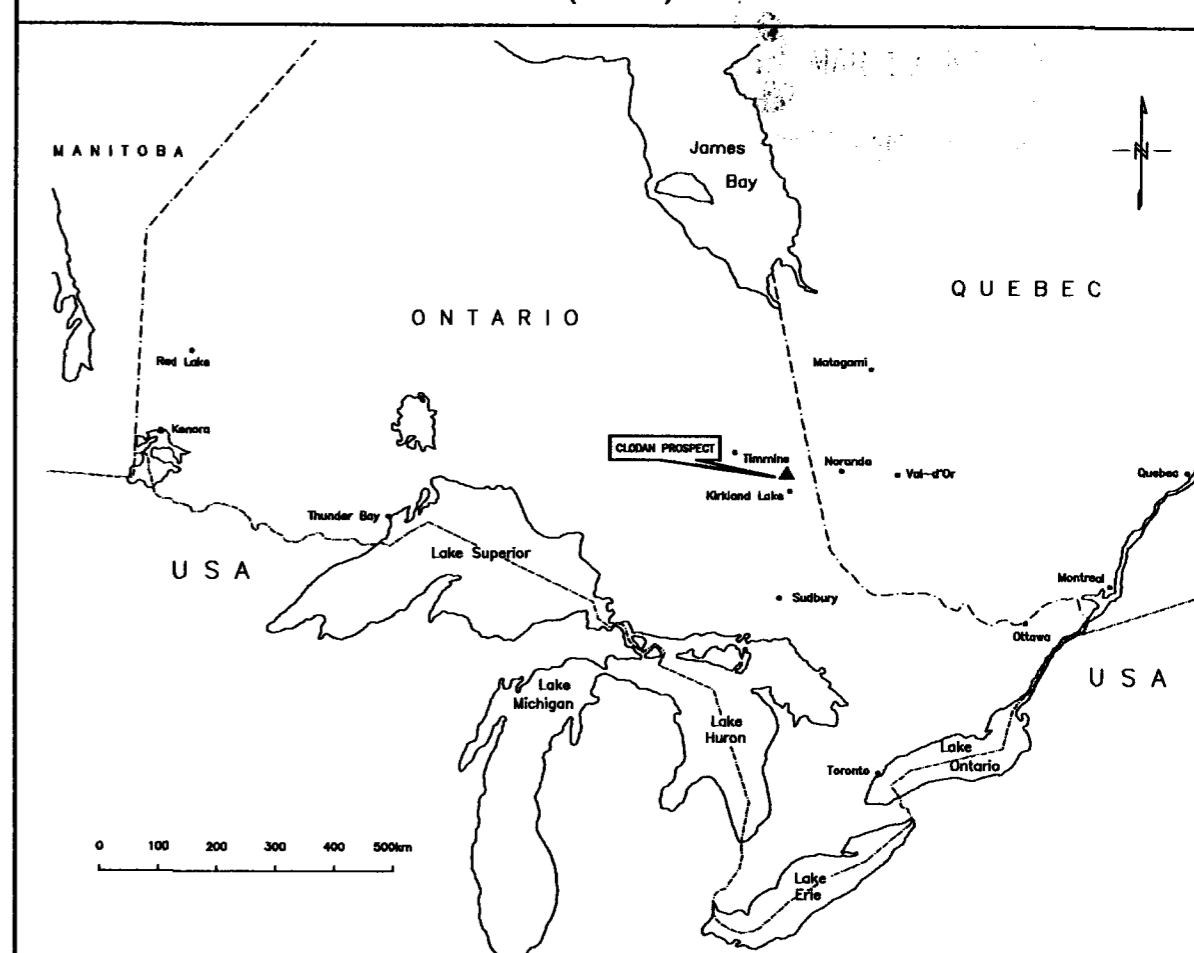
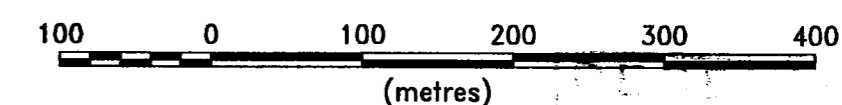
Instruments: Iris Elrec-6, Phoenix IPT-1, MG-1

Time cycle: 2 sec.



210

SCALE 1 : 5 000



**ANGLAUMAQUE EXPLORATIONS INC.**  
**TOTEM SCIENCES INC.**  
**CLODAN PROSPECT**

**INDUCED POLARIZATION SURVEY**  
**APPARENT POLARISABILITY CONTOURS (FILTER)**

**VAL D'OR SAGAX INC.**

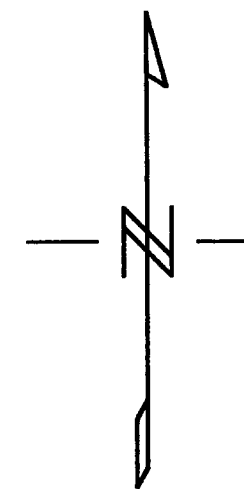
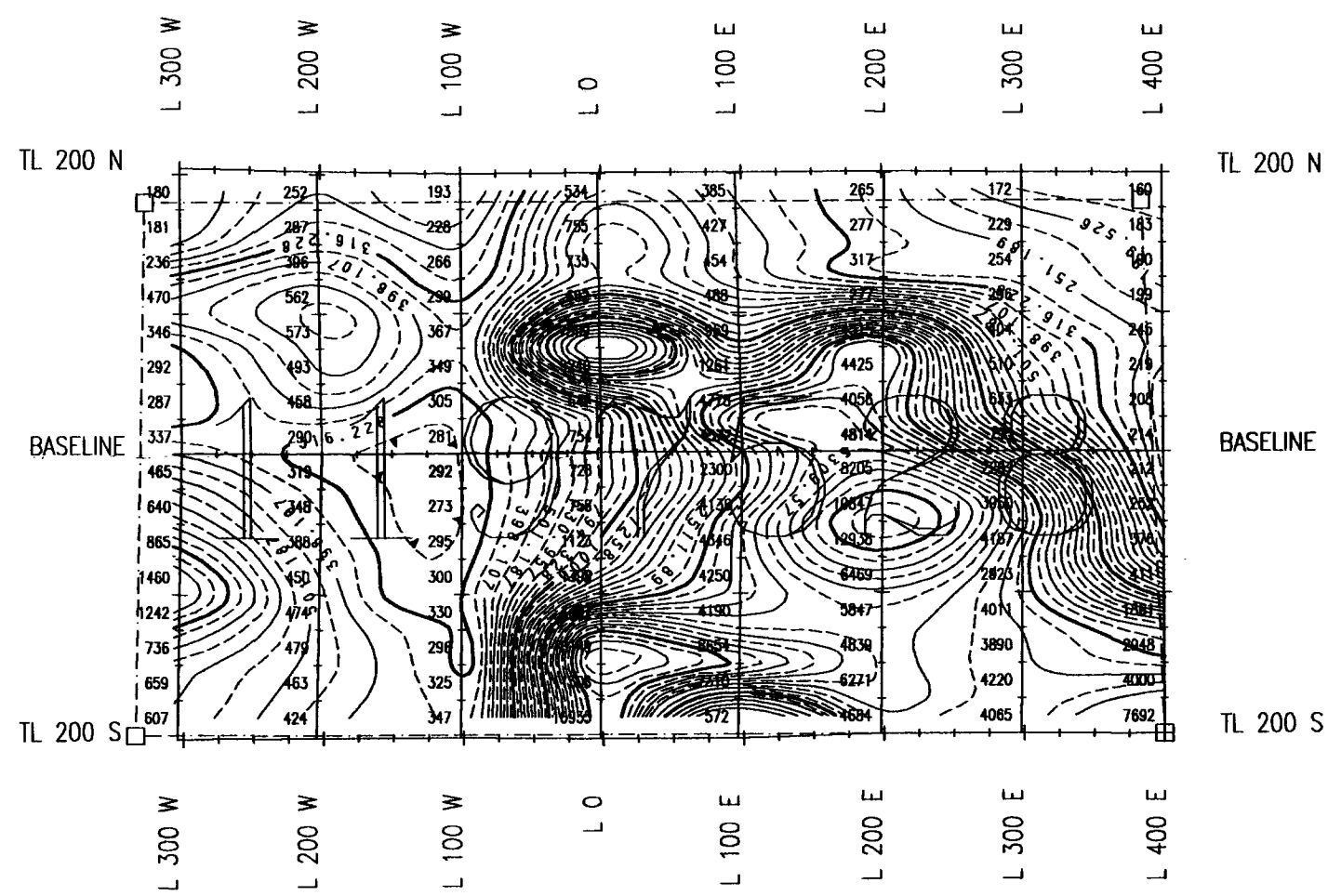
**VAL D'OR SAGAX**

Interpreted by: J.M. Hubert, Eng.

Date: 02/97

Scale 1 : 5 000

Drawing no: 96-N151-4.3



**LEGEND**

**CONTOUR INTERVALS (Ohm-m)**

Logarithmic contours:

- 0.05
- 0.10
- 0.50

Electrode array: Dipole-dipole  
 $a = 25 \text{ m}$   $n = 1,2,3,4,5$

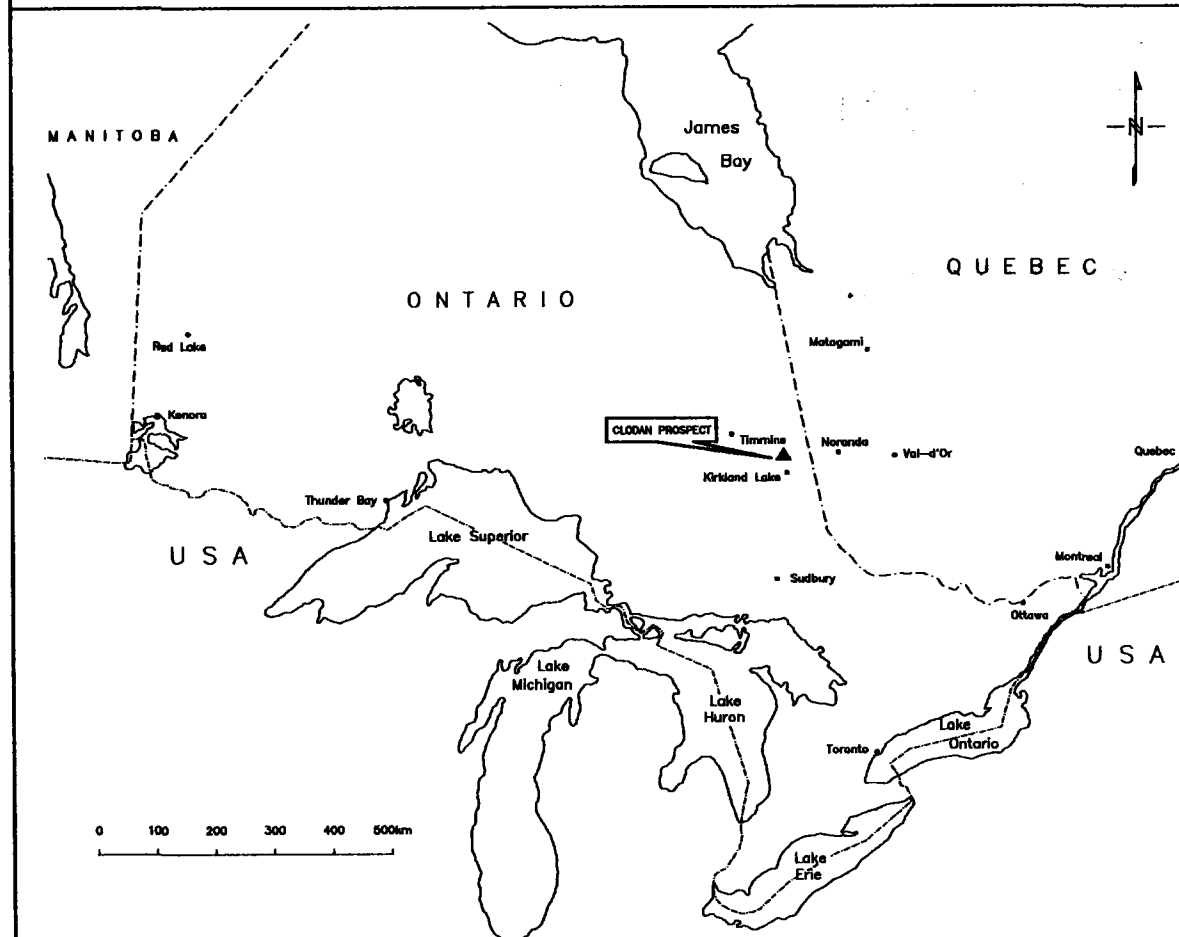
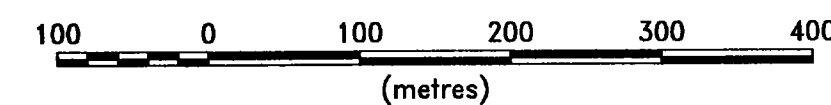
Instruments: Iris Elrec-6, Phoenix IPT-1, MG-1

Time cycle: 2 sec.



220

SCALE 1 : 5 000



**ANGLAUMAQUE EXPLORATIONS INC.**  
**TOTEM SCIENCES INC.**  
**CLODAN PROSPECT**

**INDUCED POLARIZATION SURVEY**  
**APPARENT RESISTIVITY CONTOURS (FILTER)**

VAL D'OR SAGAX INC.

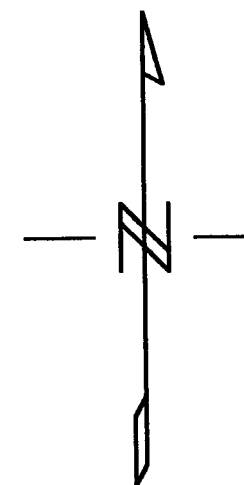
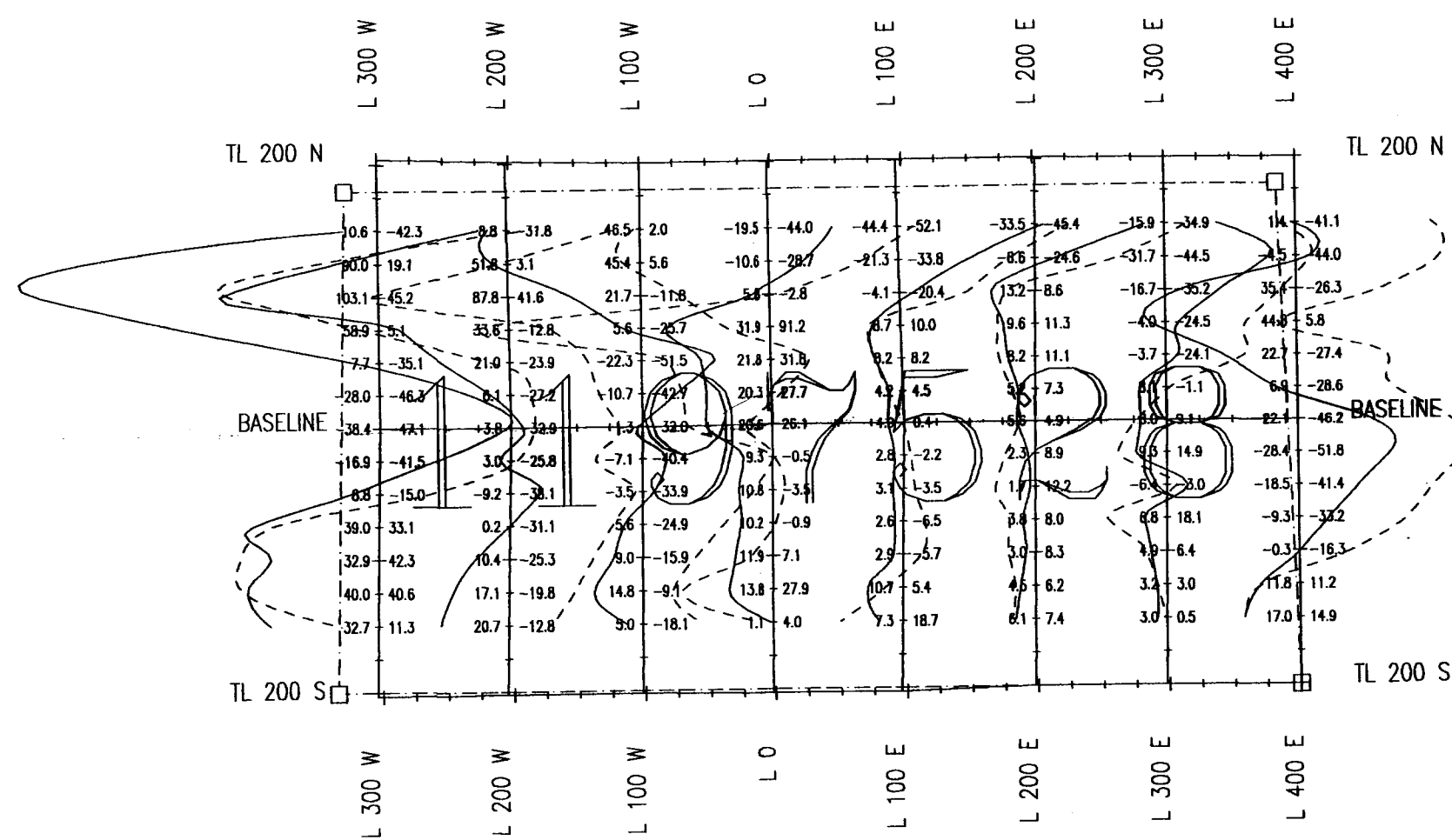


Interpreted by: J.M. Hubert, Eng.

Date: 02/97

Scale 1 : 5 000

Drawing no: 96-N151-4.2



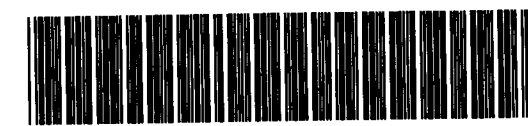
**LEGEND**

**ELECTROMAGNETIC PROFILES**

—— In-phase 1 cm. = 20 %  
 - - - - Out-of-phase 1 cm. = 20 %

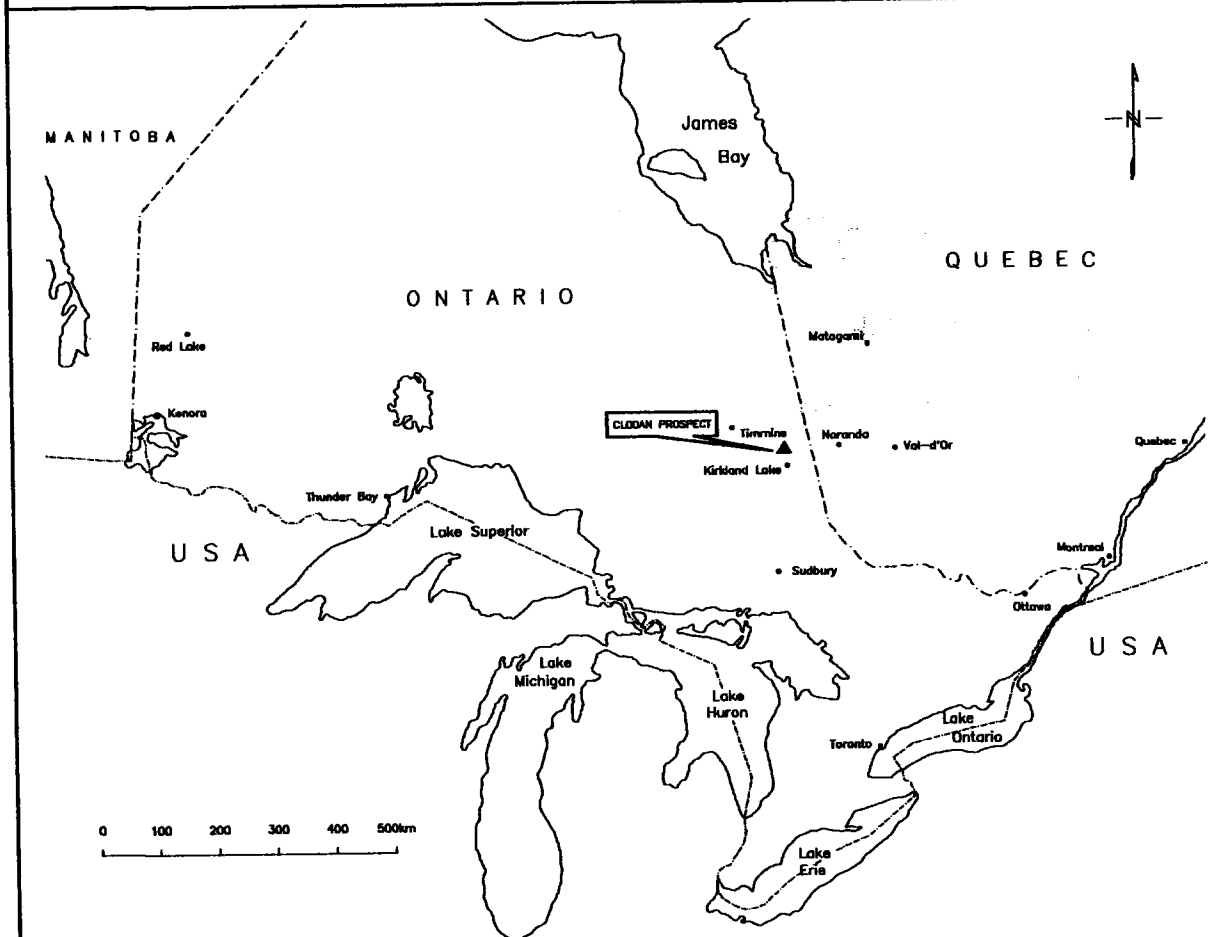
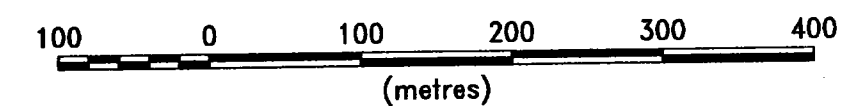
Readings: In-Phase 2.3 | 0.8 Out-of-phase  
 % %

Instrument: APEX, MAXMIN I



230

SCALE 1 : 5 000



**ANGLAUMAQUE EXPLORATIONS INC.**  
**TOTEM SCIENCES INC.**  
**CLODAN PROSPECT**

**HEM ELECTROMAGNETIC SURVEY**  
 FREQUENCY = 14080 Hz CABLE = 100 m

**VAL D'OR SAGAX INC.**



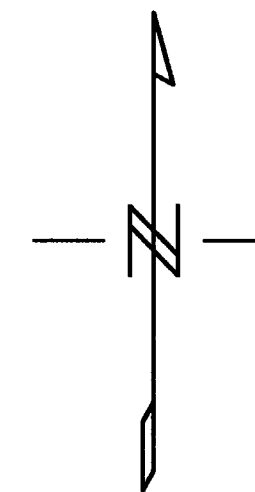
Interpreted by: J.M. Hubert, Eng.

Date: 02/97

Scale 1 : 5 000

Drawing no: 96-N151-3.7





**LEGEND**

**ELECTROMAGNETIC PROFILES**

— In-phase 1 cm. = 20 %  
 - - - Out-of-phase 1 cm. = 20 %

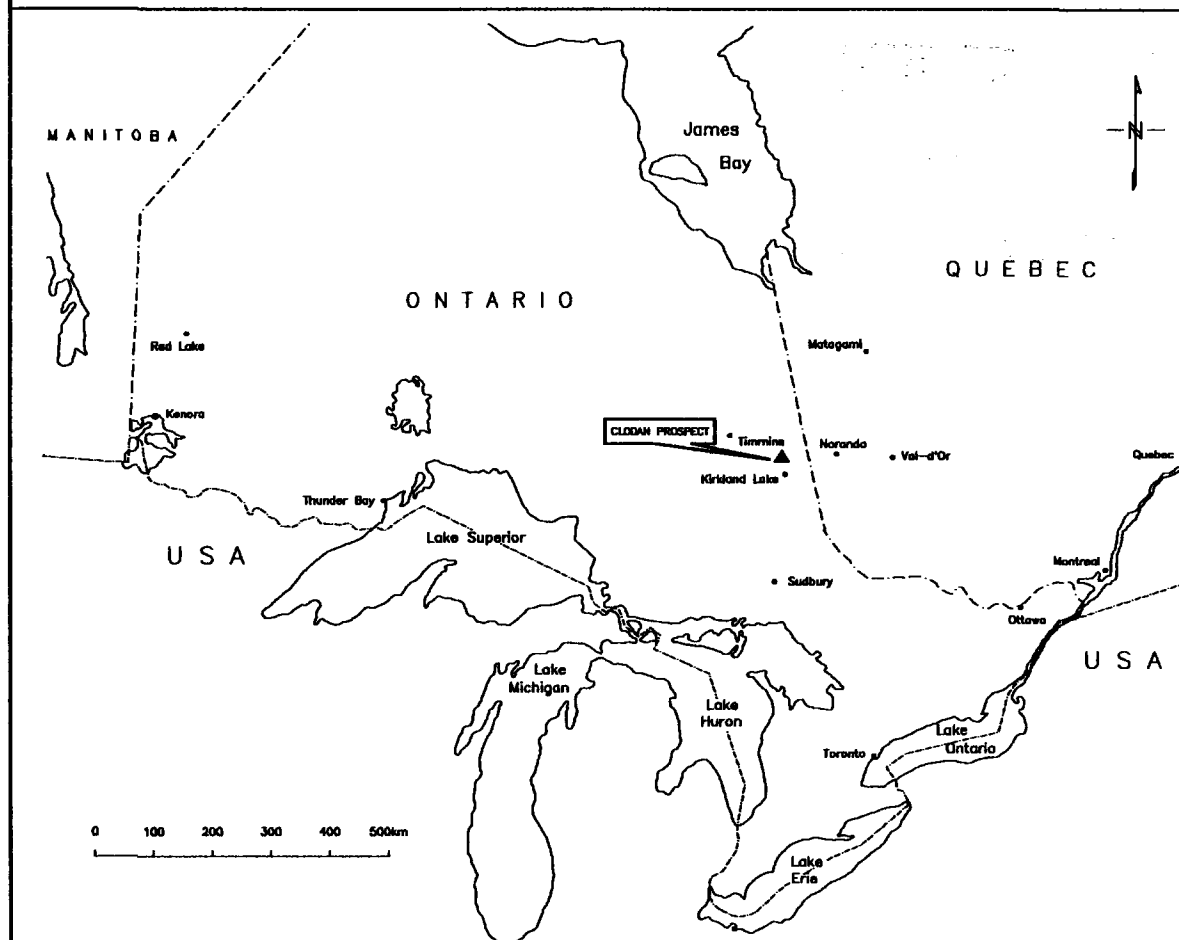
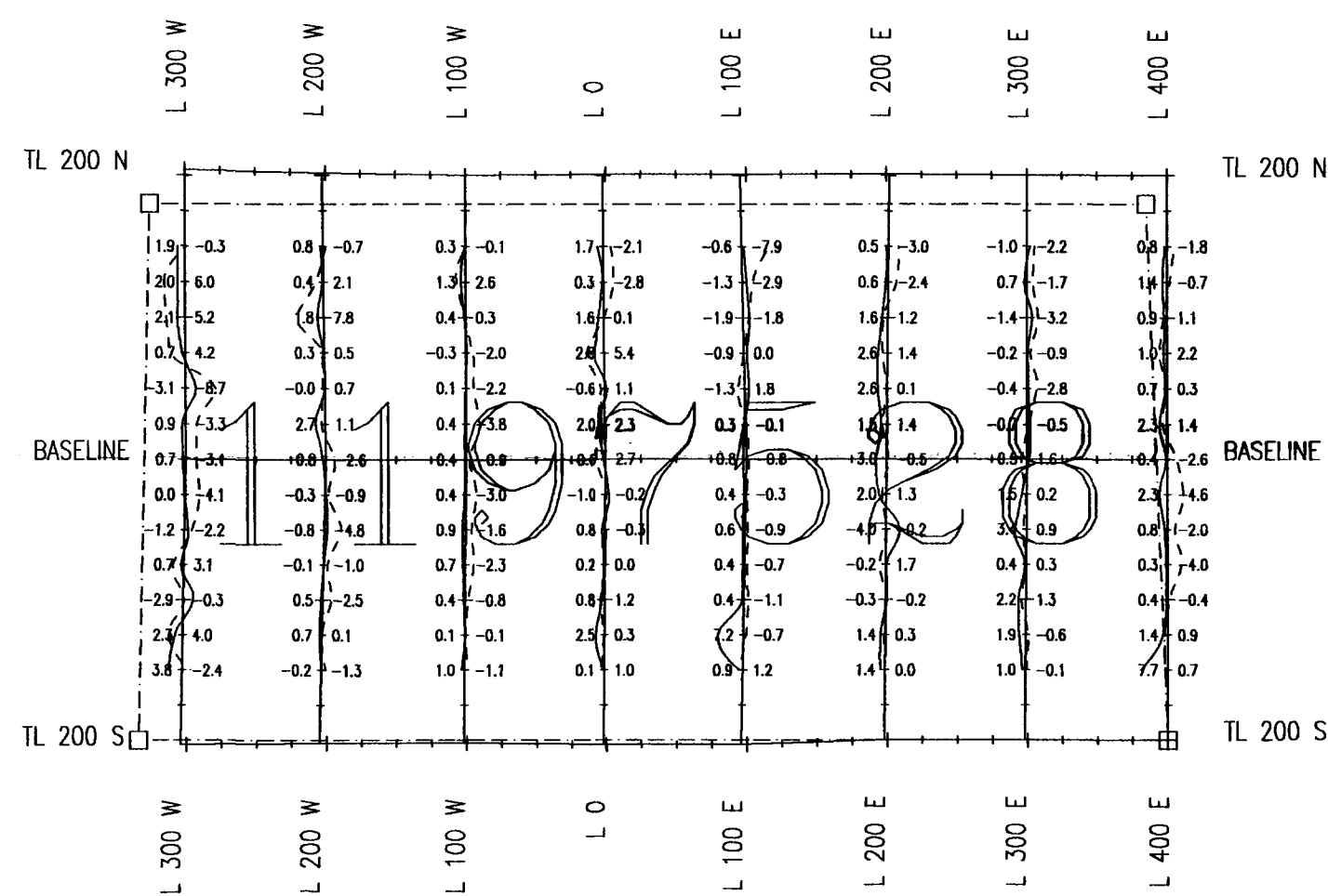
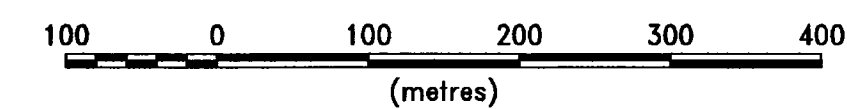
Readings: In-Phase 2.3 | 0.8 Out-of-phase  
 % %

Instrument: APEX, MAXMIN I



250

SCALE 1 : 5 000



**ANGLAUMAQUE EXPLORATIONS INC.**  
**TOTEM SCIENCES INC.**  
**CLODAN PROSPECT**

**HEM ELECTROMAGNETIC SURVEY**  
 FREQUENCY = 440 Hz CABLE = 100 m

VAL D'OR SAGAX INC.

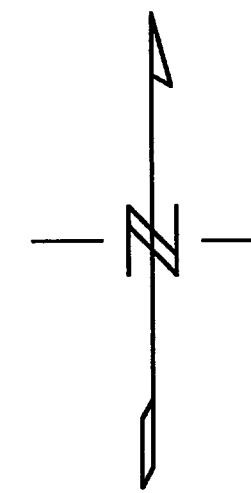
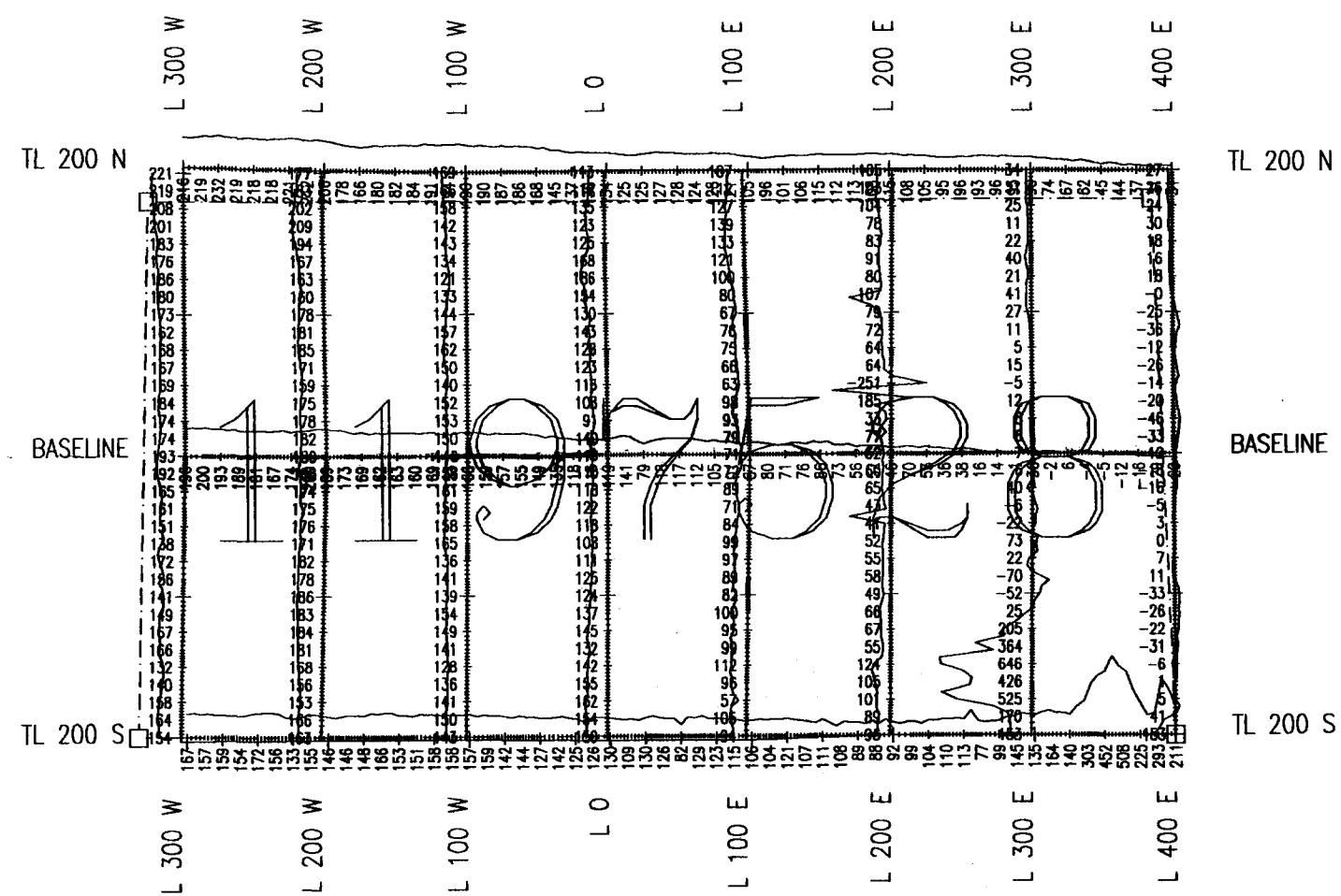


Interpreted by: J.M. Hubert, Eng.

Date: 02/97

Scale 1 : 5 000

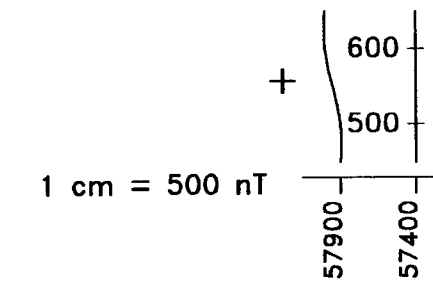
Drawing no: 96-N151-3.2



**LEGEND**

**MAGNETIC PROFILES**

Readings: Total field - 57400 nT

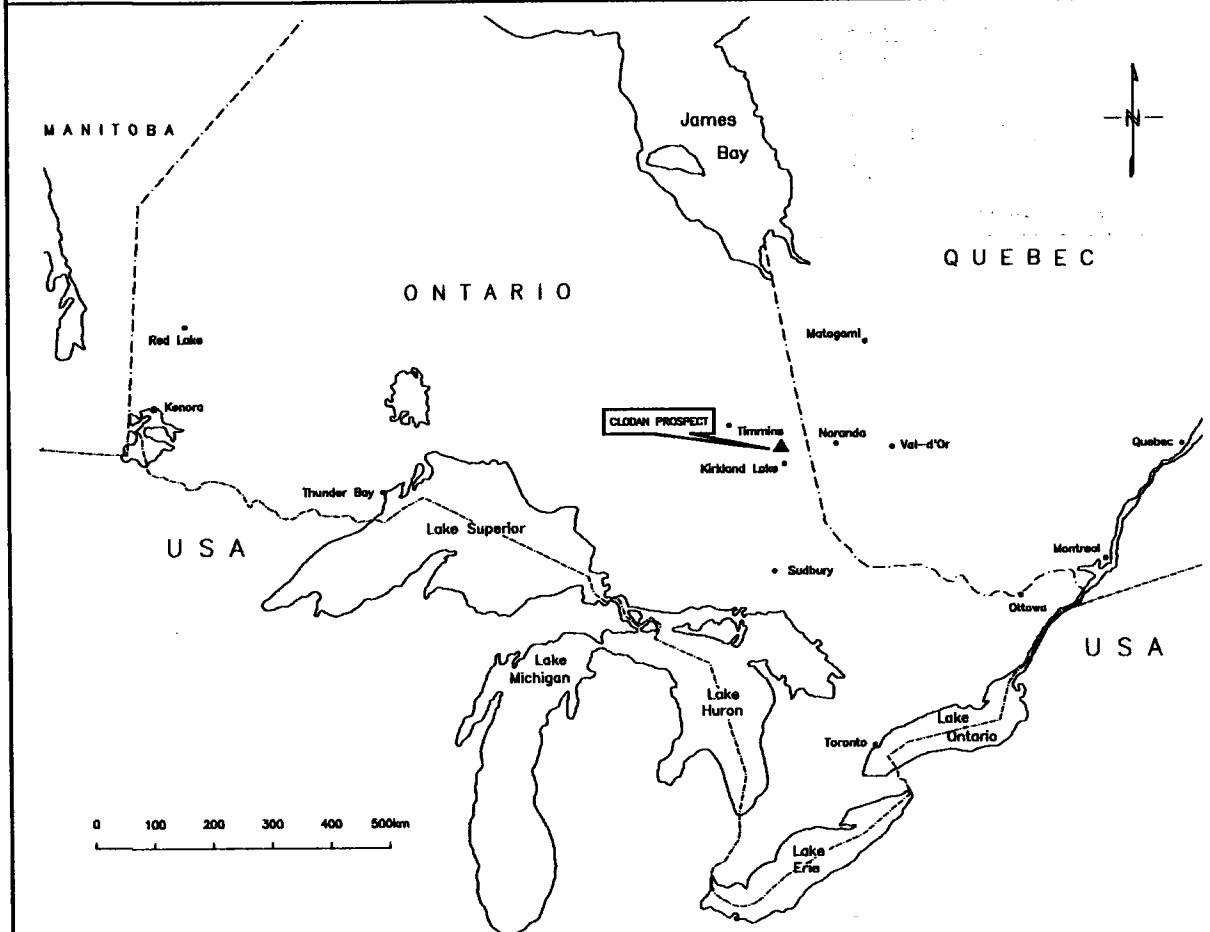
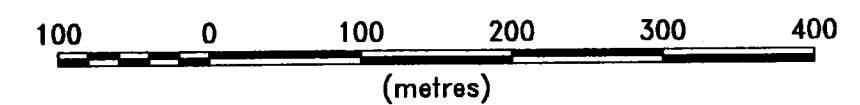


Instrument: Magnetometer GEM, GSM-19



260

SCALE 1 : 5 000



**ANGLAUMAQUE EXPLORATIONS INC.**  
**TOTEM SCIENCES INC.**  
**CLODAN PROSPECT**

**MAGNETIC SURVEY**  
**TOTAL FIELD PROFILES**

**VAL D'OR SAGAX INC.**

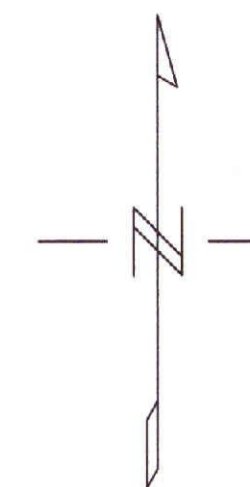
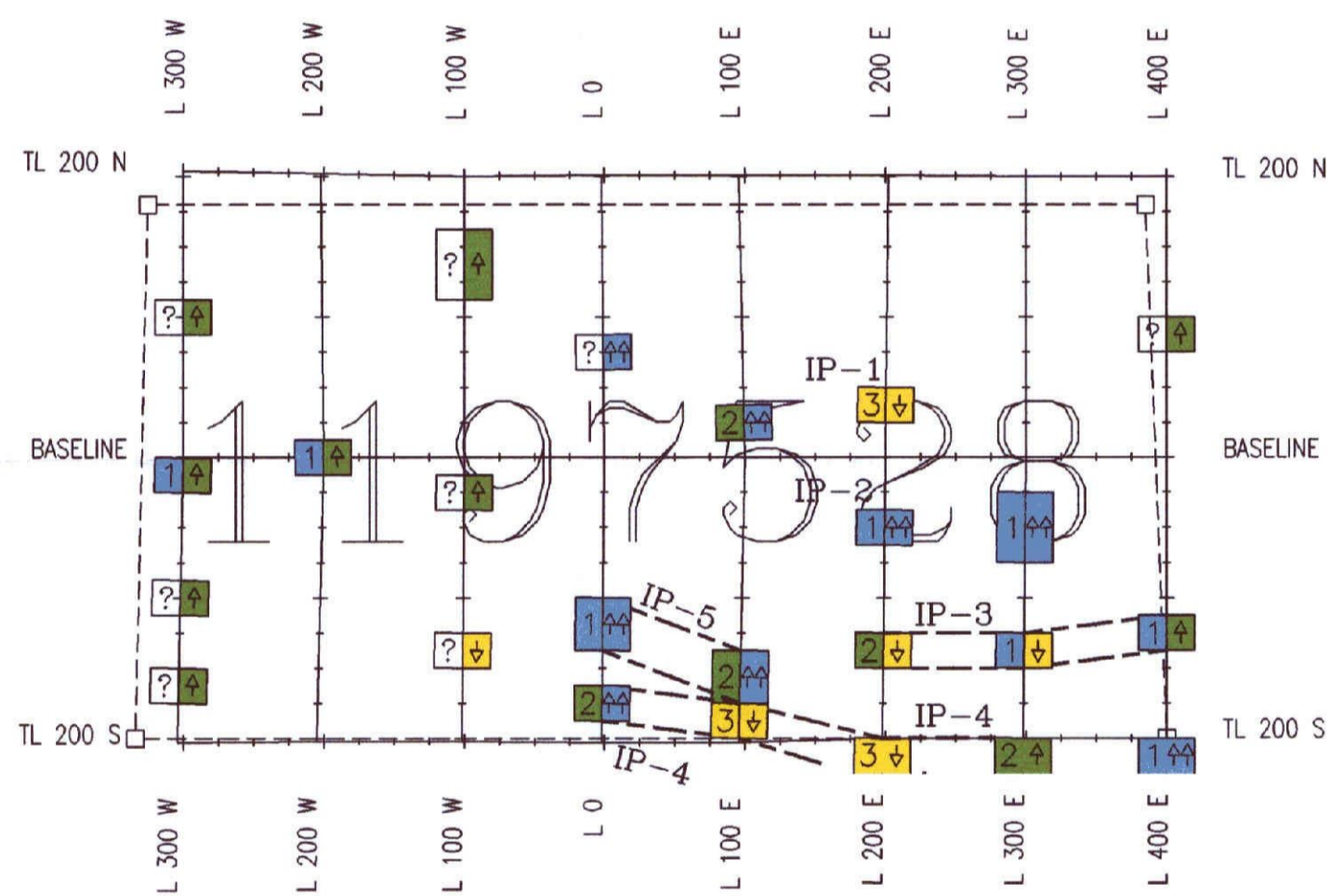


Interpreted by: J.M. Hubert, Eng.

Date: 02/97

Scale 1 : 5 000

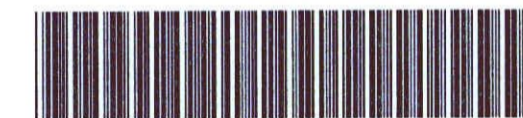
Drawing no: 96-N151-1.2



## LEGEND

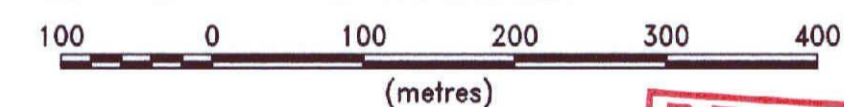
### INDUCED POLARIZATION

POLARIZATION	RESISTIVITY
Very high 4	Very resistive
High 3	Resistive
Moderate 2	Conductive
Weak 1	Very conductive
Marginal ?	



270

SCALE 1 : 5 000



ANGLAUMAQUE EXPLORATIONS INC.  
TOTEM SCIENCES INC.  
CLODAN PROSPECT

GEOPHYSICAL INTERPRETATION

VAL D'OR SAGAX INC.

VAL D'OR  
SAGAX

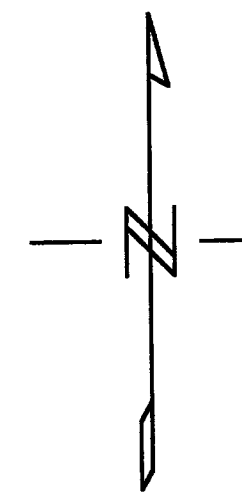
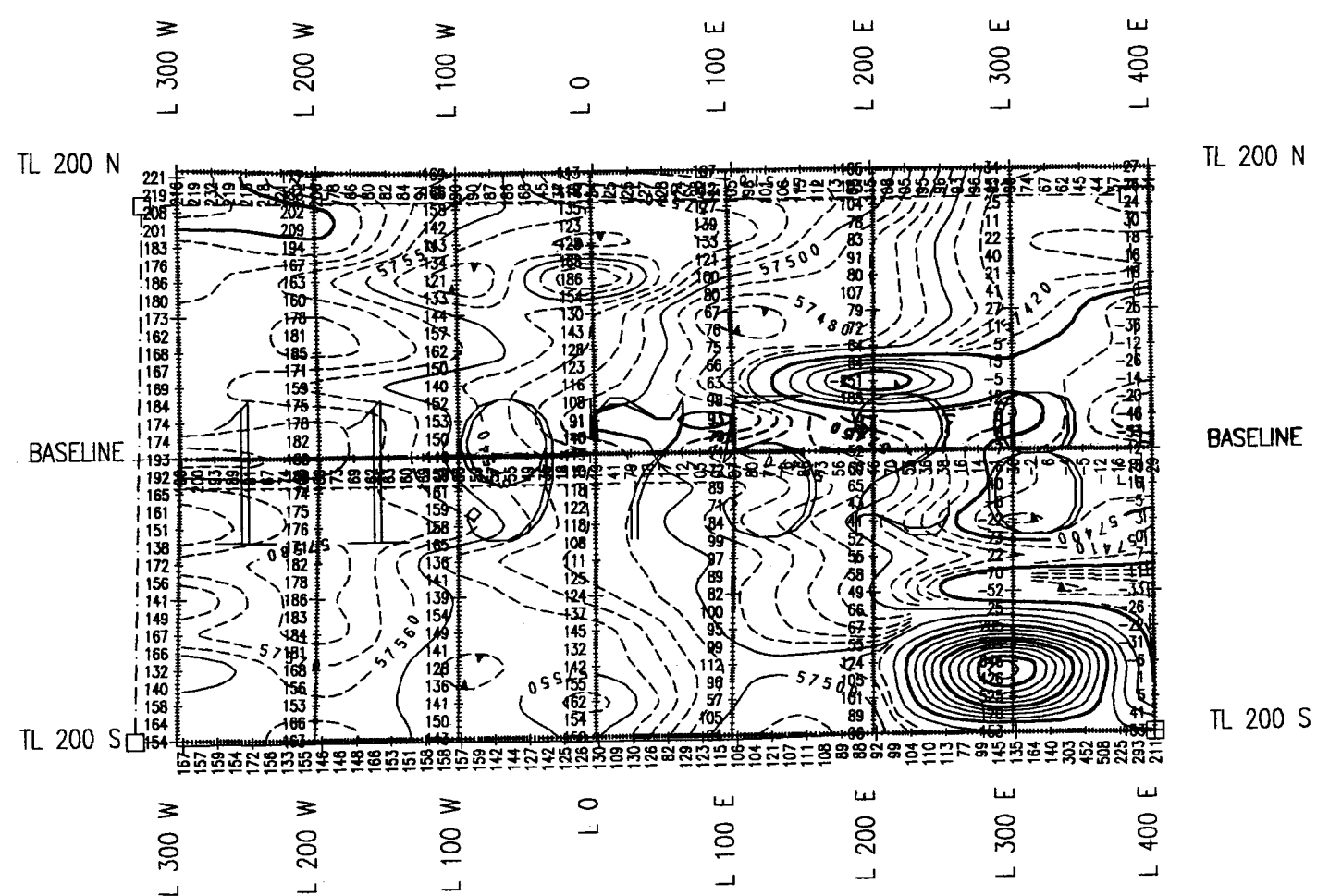
Interpreted by: J.M. Hubert, Eng.

Date: 02/97

Scale 1 : 5 000

Drawing no: 96-N151-7.0





**LEGEND**

**CONTOUR INTERVALS (nanoTesla)**

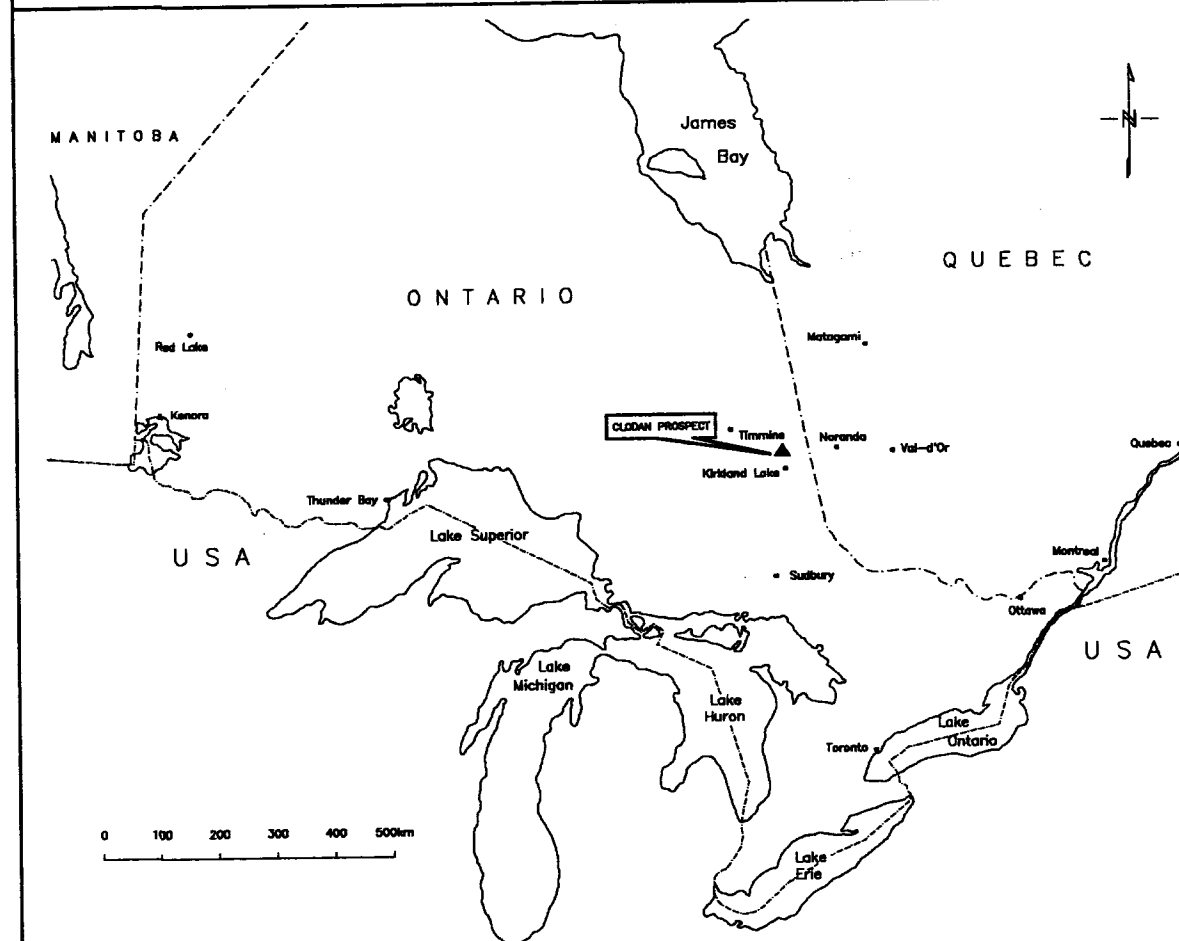
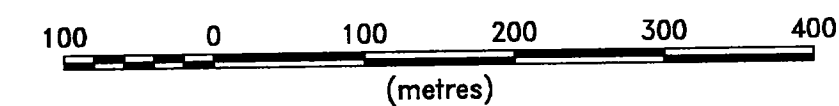
- 10
- 50
- 200

Readings: Total field - 57400 nT  
 Instrument: Magnetometer GEM, GSM-19



280

SCALE 1 : 5 000



**ANGLAUMAQUE EXPLORATIONS INC.**  
**TOTEM SCIENCES INC.**  
**CLODAN PROSPECT**

**MAGNETIC SURVEY**  
**TOTAL FIELD CONTOURS**

**VAL D'OR SAGAX INC.**



Interpreted by: J.M. Hubert, Eng.

Date: 02/97

Scale 1 : 5 000

Drawing no: 96-N151-1.1