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52F05SW2008 2.18852 DOGPAW LAKE

010

**A REPORT ON AN
INDUCED POLARIZATION/RESISTIVITY SURVEY**
performed over the
DUBENSKI PROJECT
Kenora District, Ontario
submitted to
AVALON VENTURES LTD.
98-N310.1 APRIL 1998



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APPENDICES

ATTACHED AT THE END OF THIS REPORT

Pseudosections and *image2D* true-depth sections of the apparent resistivity and apparent chargeability (15 sheets at a scale of 1 : 2500).

LIST OF MAPS, at a scale of 1 : 5000

- | | |
|-------------|---|
| 98-N310-4.0 | Geophysical interpretation |
| 98-N310-4.2 | <i>image2D</i> apparent resistivity contour map at 50 m depth level |
| 98-N310-4.3 | <i>image2D</i> apparent chargeability contour map at 50 m depth level |

COLOUR PLANS SUBMITTED SEPARATELY

- | | |
|--------------|---|
| 98-N310-4.2c | <i>image2D</i> apparent resistivity contour map at 50 m depth level |
| 98-N310-4.3c | <i>image2D</i> apparent chargeability contour map at 50 m depth level |

1 INTRODUCTION

At the request of Mr. Ian Campbell of AVALON VENTURES LTD., VAL D'OR SAGAX INC. has performed an induced polarization/resistivity survey over the DUBENSKI property (NTS 52F/5) (figure 1). The object of this survey is to define, if possible, promising anomalies for the search of economic mineralization on this property.

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

2 THE DUBENSKI PROPERTY

2.1 Location and Access

The property is located approximately 60 kilometres south-east of Kenora in the Kenora District, province of Ontario (NTS 52F/5) (figure 1). The access is possible first by the Highway #71 as far as 10 kilometres south of Sioux Narrows and then by the Cameron road for a distance of approximately 11 kilometres.

2.2 Survey Grid

The survey grid consists of several tie lines striking east-west and lines striking north-south, cut every 100 metres between 1+00E and 48+00E. This grid is metric and all the lines are chained every 25 metres. However, the present survey only partially covered 15 lines located between 6+00E and 32+00E (figure 2).

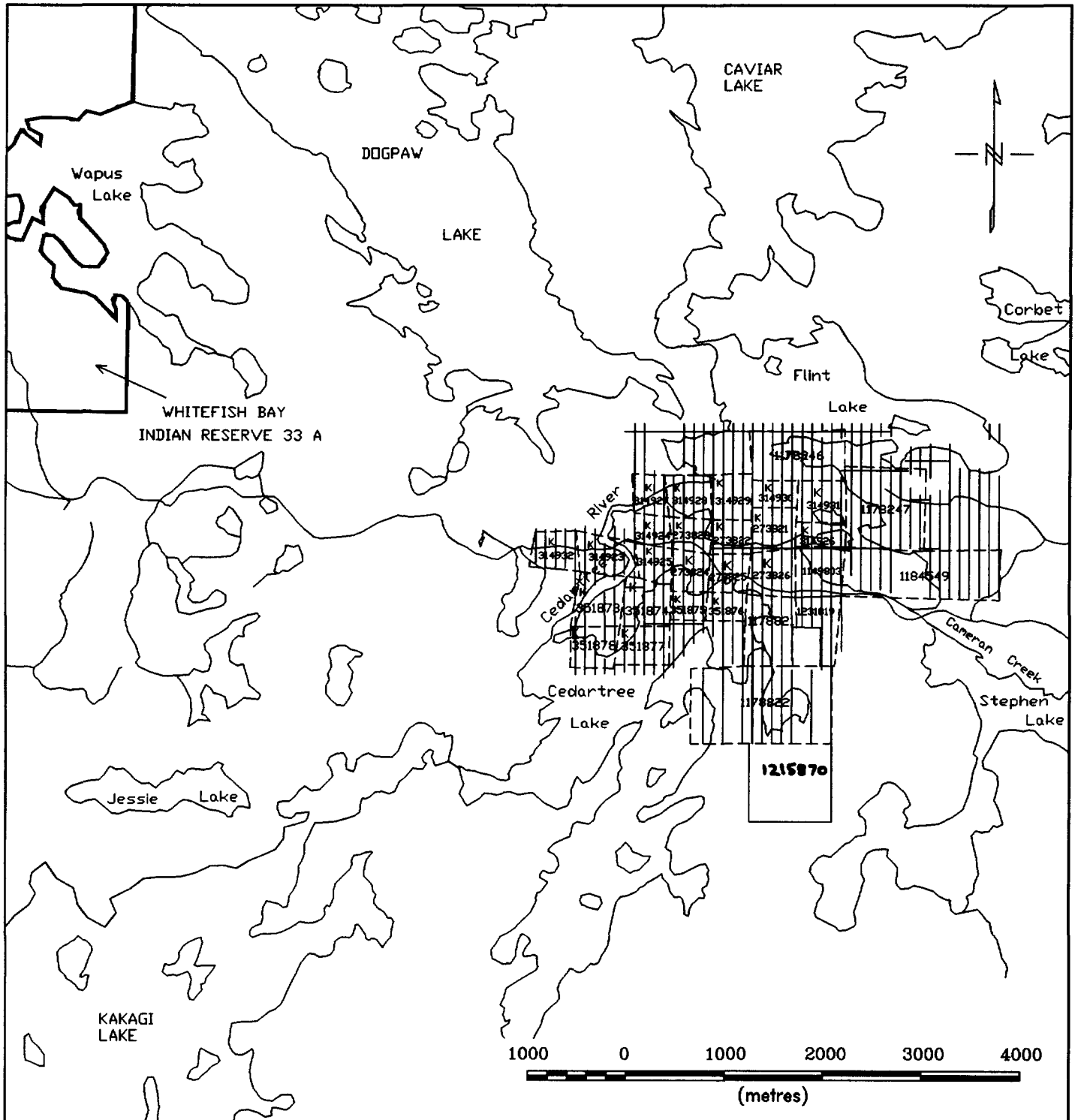
2.3 Description

The property is held by AVALON VENTURES LTD. and the claims partially and totally covered by the present field works are shown on figure 2.

Figure 1: General location



Figure 2: Index of claims and survey area



3 TECHNICAL SPECIFICATIONS OF THE SURVEY

3.1 Generalities

A total of 19.6 kilometres of induced polarization/resistivity were completed from February 26 to March 8, 1998 over the DUBENSKI property. This survey was performed under the direction of Mr. Paul Melançon with the help of four assistants.

3.2 Electrode Array

The dipole-dipole array (figure 3) was used for the investigation of all IP lines performed on the DUBENSKI property. The nominal spacing a between the electrodes was set at 25 metres and separation factor n between the transmitting and the potential dipoles ranged from 1 to 6.

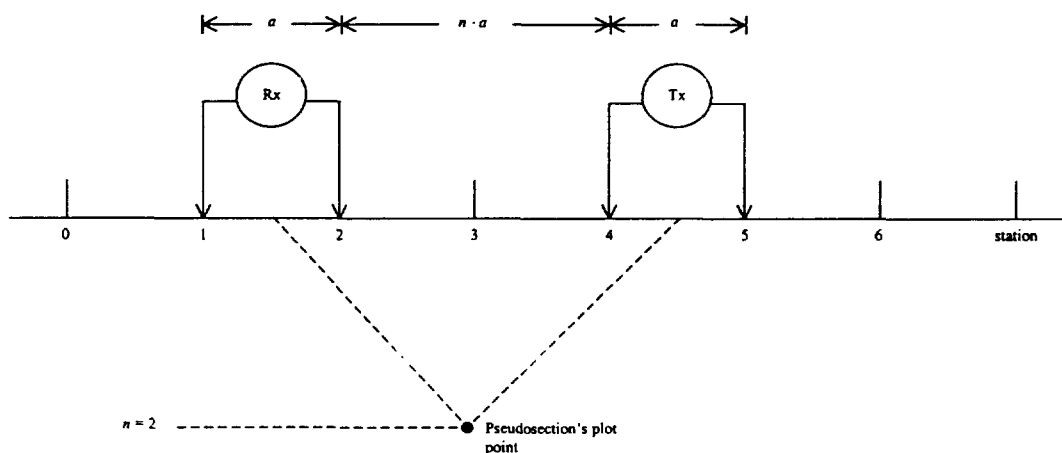


Figure 3: The dipole-dipole array

3.3 Equipment

The induced polarization equipment employed consisted of a transmitting device as well as a receiving device, both working in pulse current mode. A GDD transmitter model TX-11 supplied by a 1.4 kW generator 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 current was transmitted with a period of 8 seconds and an effective cycle of 50% (figure 4).

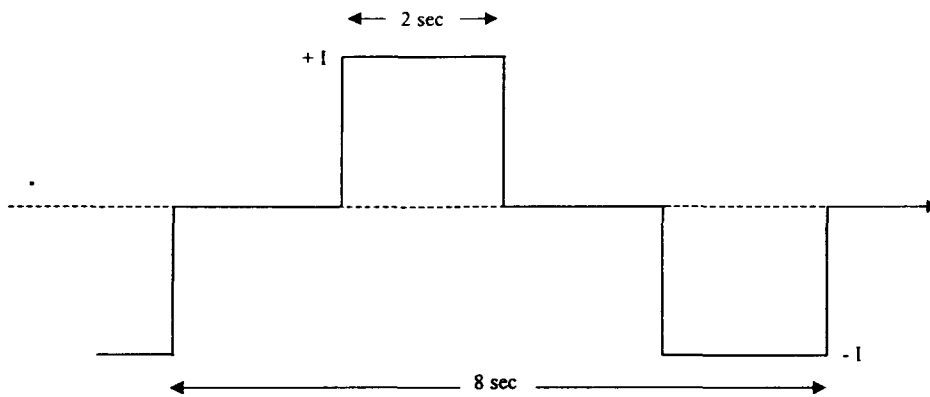


Figure 4: The transmitted signal at C_1-C_2

Primary voltage V_p and apparent chargeability M_a were measured with an ELREC-6+ IP receiver manufactured by Iris Instruments Ltd. The integration of the transient voltage after current shut-off was performed over twenty windows (M_1 to M_{20}) of equal duration of 80 ms each (figure 5). Those twenty parameters are automatically normalised in relation with the decay rate of the transitory voltage due to a pure electrode polarization effect. Therefore, all parasitic contribution to the signal can be filtered by observing the deviation between the values M_1 to M_{20} read at the receiver.

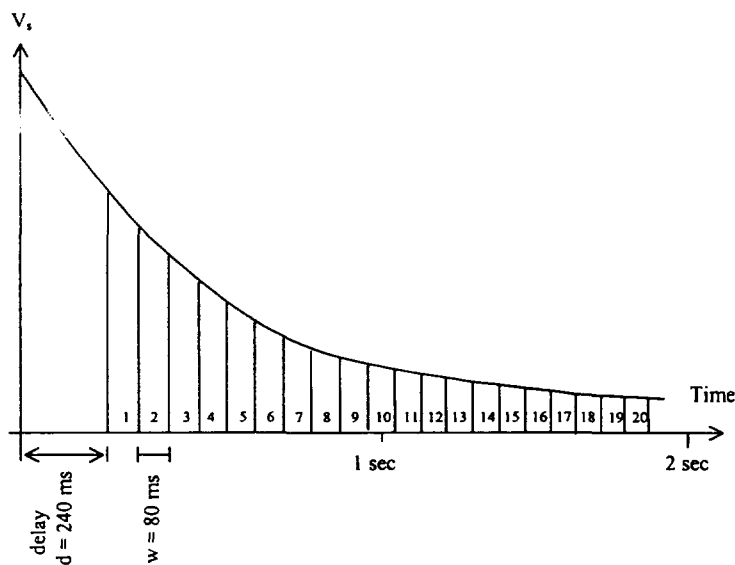


Figure 5 : ELREC-6+ Timing for the slices of an IP decay curve

3.4 IP Survey Parameters Calculations

Apparent resistivity ρ_a was determined using the following equation:

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

Where

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

Chargeability M_a is expressed in mV/V and is the weighted average of at least 10 of the partial apparent chargeability windows (M_1 to M_{20}). Windows that do not fit the general polarization curve are rejected.

3.5 True-Depth Section Imaging

To facilitate quantitative interpretation, an automatic 2D inversion software of resistivity/induced polarization data sets, developed by VAL D'OR SAGAX INC., has been used with the data from the DUBENSKI property. With this software, no initial guess (starting model) needs to be defined by the user. The subsurface is divided in small cells and a spatial deconvolution of raw data is applied. The result is a smooth model representing the conductive, resistive and polarizable bodies distribution on true-depth sections. The resulting image represents a model of all possible solutions, highlighting the most probable ones. However, this process does not recover intrinsic resistivity and chargeability unless the source is very wide.

Imaging cannot create information that is not in the raw data set, i.e. the limitations of the technique and array used will still prevail. For instance, resolution at depth is very limited and subhorizontal structures are difficult to resolve. However, noise is efficiently rejected, near-surface effects are easily identified and complex responses such as wide units, two sources next to each other, vertical or inclined geological contacts are well resolved.

3.6 Quality Control

The apparent resistivity error is essentially that of the nominal spacing a between the electrodes, approximately 3% in all. The average error on apparent chargeability measurements, which represent the average of 5 to 17 measuring cycles, is 0.45 mV/V.

4 RESULTS AND INTERPRETATION

4.1 Data presentation

The results of the induced polarization survey are presented in the form of pseudosections and *image2D* true-depth sections of the apparent resistivity and apparent chargeability at a scale of 1 : 2500. The position of the interpreted IP anomalies has been included on the pseudosections.

The results are also presented in the form of *image2D* apparent resistivity and apparent chargeability maps at 50 m depth level (98-N310-4.2 and 98-N310-4.3). Colour versions of *image2D* apparent resistivity and apparent chargeability maps at 50 m depth level are submitted separately. The principal interpreted anomalous IP zones have been reproduced on the geophysical interpretation map (98-N310-4.0). All maps are presented at a 1 : 5000 scale.

4.2 Interpretation

The surveyed area is characterized by the alternation of strongly resistive (maximum of about 84 000 $\Omega\cdot\text{m}$) and highly conductive (minimum of about 2 $\Omega\cdot\text{m}$) zones. Resistive zones correspond with outcropping areas while conductive zones often coincide with lakes. The apparent chargeability values ranged from less than 0, in lakes areas, to about 109 mV/V in resistive areas.

The present survey delineated seven (7) polarizable anomalies labelled IP-1 to IP-7 and a few isolated anomalies, which were not marked. Anomalies IP-1 to IP-5 associated, at least partially, with resistivity highs are probably totally or partly induced by a bedrock uplift, the bedrock being more resistive and polarizable than the overburden. Anomalies IP-6 and IP-7, which seem to be induced by shallow sources, are strongly polarizable (locally for IP-6). However, anomaly IP-7 is locally associated with strong resistivity drops and could therefore be explained by the presence of graphitic/pyritic horizons.

Table 1 describes all the physical characteristics of the IP anomalies.

Name	Location		Chargeability Contrast	Resistivity Contrast	Description	Priority
	Line	Station				
IP-5	24+00E	11+87.5N	1	↑	Weakly polarizable anomaly partially associated with a resistivity high. The top of the source of this anomaly seems to be at a depth of about 25 metres.	4
	25+00E	11+81N	1			
IP-6	23+00E	3+94N	4		Anomaly of variable polarizability incompletely defined north-eastward and south-westward. The source of this anomaly seems to be shallow. Interest to be confirmed.	3
	24+00E	5+12.5N	1			
	25+00E	7+56N	1			
	26+00E	9+00N	3			
	32+00E	12+81N	3			
IP-7	23+00E	South end	4	↓ ↓	Very large strongly polarizable and locally conductive anomaly incompletely defined north-eastward and south-westward. The source of this anomaly seems to be shallow and a surface verification is recommended.	2
	24+00E	South end	4			
	25+00E	4+37.5N	3			
	26+00E	5+55N	4			
	32+00E	11+37.5N	4			

Note : The location of the anomaly is based on the chargeability contrast.

Legend :

Chargeability	Resistivity
Increase	Increase
? = marginal	↑ = resistive
1 = weak	↑↑ = very resistive
2 = moderate	Decrease
3 = strong	↓ = conductive
4 = very strong	↓↓ = very conductive

5 CONCLUSION AND RECOMMENDATIONS

The induced polarization/resistivity survey carried out on the DUBENSKI property allowed the detection of seven (7) anomalies labelled IP-1 to IP-7, and of some isolated anomalies which were not marked.

Five of these anomalies, labelled IP-1 to IP-5, are induced, at least partially, by a bedrock uplift while the other anomalies, labelled IP-6 and IP-7, are probably caused by the presence of variable amounts of mineralization. Note that the presence of graphite/sulphides as the causative source of anomaly IP-7 is possible, due to its locally very low resistivity association. However, the sources of anomalies IP-6 and IP-7 seem to be shallow and a surface verification is recommended to confirm the nature of the mineralization. This surface verification could also be extended on all the other anomalies, which also seem to be caused, at least locally, by shallow sources.

All these recommendations could be modified by AVALON VENTURES LTD. in the light of geological and/or additional geophysical information.

Respectfully submitted,

VAL D'OR SAGAX INC.



Hugues Potvin
Hugues Potvin, Eng.
Geophysicist

HP/ag



851 Field Street, Thunder Bay, Ontario P7B 6B6

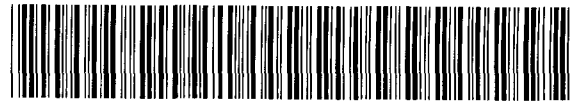
Tel: (807) 346-0404 Fax: (807) 346-4233

E-mail: avalon@microage-tb.com Internet: <http://www.avalonventures.com>

NOTE TO THE READER

The report on the IP survey that is being submitted for assessment covers a portion of a larger survey that was performed over two adjacent properties being operated by Avalon Ventures Ltd. Pseudosections and portions of the plan maps have been included with the report which describes them and the methodology, in addition to parts of the survey outside the area of the claims for which work is being filed. A total of 12.9 line kilometres of survey cover these claims. The IP survey, performed by Val D'Or Sagax of Val D'Or, PQ, was carried out between March 1 to 31. To provide control for the IP survey, a line grid was cut over these claims between February 10 and March 20. The grid tied on to a grid cut by Avalon on the adjacent property. The grid consists of 100 metre spaced lines, picketed at 25 metre stations. The majority of the line cutting was performed by Gibson and Associates of Sault Ste. Marie. For the purpose of this work report, 12.9 line kilometres are being filed for assessment.

Karen Rees
General Manager, Avalon Ventures Ltd.



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DOGPAW LAKE

020

10 October 1998



subsections 65(2) and 66(3) of the Mining Act. Under section 6 of the view the assessment work and correspond with the mining land holder, recorder, Ministry of Northern Development and Mines, 6th Floor.

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

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

Name <i>Avalon Ventures Ltd.</i>	Client Number <i>301086</i>
Address <i>851 Field Street</i>	Telephone Number <i>807-346-0404</i>
<i>Thunder Bay, ON P7B 6B6</i>	Fax Number <i>807-346-4233</i>
Name	Client Number
Address	Telephone Number
	Fax Number

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

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

Work Type <i>Linecutting</i> <i>IP Survey</i>	Office Use
	Commodity
	Total \$ Value of Work Claimed <i>19082</i>
Dates Work Performed From <i>10</i> <i>02</i> <i>98</i> To <i>31</i> <i>03</i> <i>98</i>	NTS Reference
Global Positioning System Data (if available)	Mining Division <i>KEN</i>
Township/Area <i>Dogpaw Lake</i>	Resident Geologist District <i>Kenora</i>
M or G-Plan Number <i>G-2613</i>	

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

RECEIVED
 OCT 16 1998 11:30
 GEOSCIENCE ASSESSMENT OFFICE 2001

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

Name <i>Val d'Or Sagax Inc.</i>	Telephone Number <i>819-874-2001</i>
Address <i>50 Lamaque Boulevard</i>	Fax Number <i>819-874-2002</i>
Name <i>Val d'Or, Quebec J9P 2H6</i>	Telephone Number
Address <i>Hugues Potvin, Eng., Geophysicist</i>	Fax Number
Name	Telephone Number
Address	Fax Number

4. Certification by Recorded Holder or Agent

I, *Karen Rees, General Manager*, 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>Karen Rees</i>	Date <i>08 Oct 1998</i>
Agent's Address <i>Avalon Ventures Ltd. 851 Field Street</i>	Telephone Number <i>807-346-0404</i>
<i>Thunder Bay ON P7B 6B6</i>	Fax Number <i>807-346-4233</i>

16 - 11/99

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.

W9810.00126

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 K 1178822	8	11,782	6,400	3,200	2,182
2 K 1149803	1	1,900	400	—	1,500
3 K 1178821	2	4,400	2,400	600	1,400
4 K 1231819	2	1,000	1,600	—	—
5 K 1231820	4	—	3,200	—	—
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		19,082	14,000	3,800	5,082

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 GEOSCIENCE ASSESSMENT
 OFFICE

I, Karen Rees (Print Full Name), 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: Karen Rees Date: 08 Oct 1998

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

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

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

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

For Office Use Only

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

Personal information collected on this form is obtained under the authority of subsection 8(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.

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	12.9 km	\$325/km	4,192
IP Survey	12.9 km	\$1100/km	14,190
Supervision	2 days	\$350/day	700
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
Total Value of Assessment Work			19,082

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LP
 OCT 16 1998 11:30
 GEOSCIENCE ASSESSMENT OFFICE

Calculations of Filing Discounts:

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

TOTAL VALUE OF ASSESSMENT WORK × 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, Karen Rees, 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 General Manager, Avalon Ventures Ltd. am authorized to make this certification.
(please print full name)
(recorded holder, agent, or state company position with signing authority)

Signature Karen Rees Date 20 Oct 1998

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

January 12, 1999

Karen Rees
AVALON VENTURES LTD.
851 FIELD STREET
THUNDER BAY, ONTARIO
P7B-6B6

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

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

Dear Sir or Madam:

Submission Number: 2.18852

Status

Subject: Transaction Number(s): W9810.00126 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. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at lucille.jerome@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,



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

Work Report Assessment Results

Submission Number: 2.18852

Date Correspondence Sent: January 12, 1999

Assessor: Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9810.00126	1178822	DOGPAW LAKE	Approval After Notice	January 12, 1999

Section:
14 Geophysical IP

The revisions outlined in the Notice dated January 7, 1999, have been corrected.

Assessment work credit has been redistributed, as outlined on the attached Distribution of Assessment Work Credit sheet, to better reflect the location of the work.

Correspondence to:

Resident Geologist
Kenora, ON

Assessment Files Library
Sudbury, ON

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

Karen Rees
AVALON VENTURES LTD.
THUNDER BAY, ONTARIO

Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s).

Date: January 12, 1999

Submission Number: 2.18852

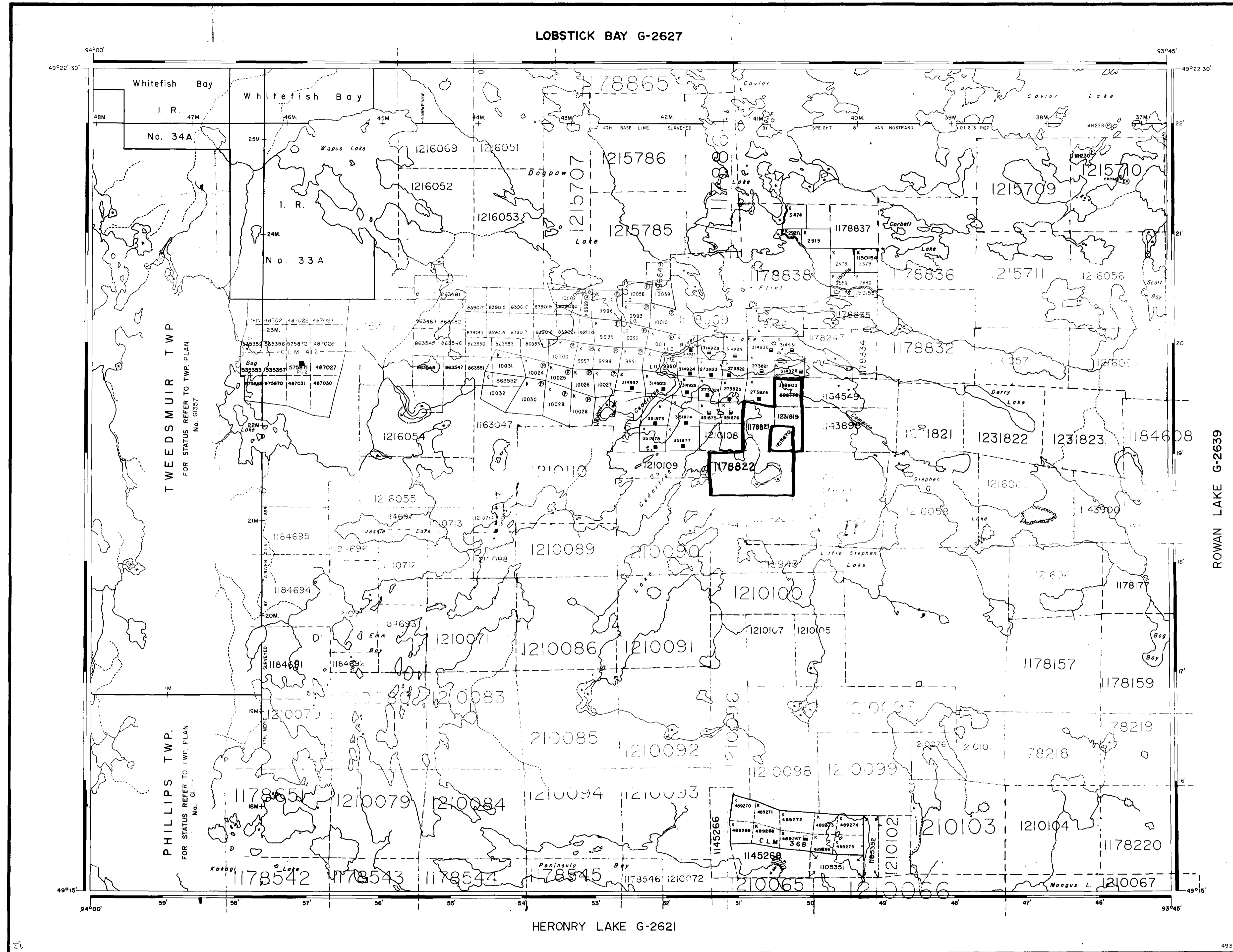
Transaction Number: W9810.00126

<u>Claim Number</u>	<u>Value Of Work Performed</u>
1178822	4,700.00
1149803	2,030.00
1178821	4,700.00
1231819	2,029.00
	<hr/>
Total: \$	13,459.00

G-5E13

DOGPAW LAKE

G-5E13



LEGEND

HIGHWAY AND ROUTE No.

OTHER ROADS

TRAILS

SURVEYED LINES

TOWNSHIPS, BASE LINES, ETC.

LOTS, MINING CLAIMS, PARCELS, ETC.

UNSURVEYED LINES

LOT LINES

PARCEL BOUNDARY

MINING CLAIMS ETC.

RAILWAY AND RIGHT OF WAY

UTILITY LINES

NON-PERENNIAL STREAM

FLOODING OR FLOODING RIGHTS

SUBDIVISION OR COMPOSITE PLAN

RESERVATIONS

ORIGINAL SHORELINE

MARSH OR MUSKEG

MINES

TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT **SYMBOL**

PATENT, SURFACE & MINING RIGHTS

" SURFACE RIGHTS ONLY

" MINING RIGHTS ONLY

LEASE, SURFACE & MINING RIGHTS

" SURFACE RIGHTS ONLY

" MINING RIGHTS ONLY

LICENCE OF OCCUPATION

ORDER IN COUNCIL

RESERVATION

CANCELLED

SAND & GRAVEL

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY

S.R.O. - SURFACE RIGHTS ONLY

M.S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
	400	80		17-172

DATE OF ISSUE

MAR 31 1998

PROVINCIAL RECORDING OFFICE - SUDBURY

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 2000

1 KM 2 KM

AREA 1

DOGPAW LAKE

M.N.R. ADMINISTRATIVE DISTRICT

KENORA

MINING DIVISION

KENORA

LAND TITLES / REGISTRY DIVISION

KENORA

Ministry of Natural Resources Land Management Branch

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.

EFFECTIVE JUL 11 1994

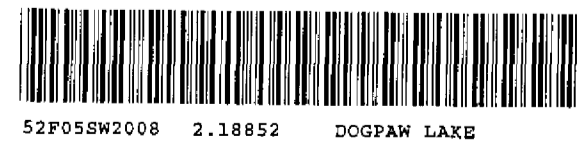
AM 789 10 11 12 123 456

Date: JANUARY, 1994 Number: **G-2613**

G-5E13

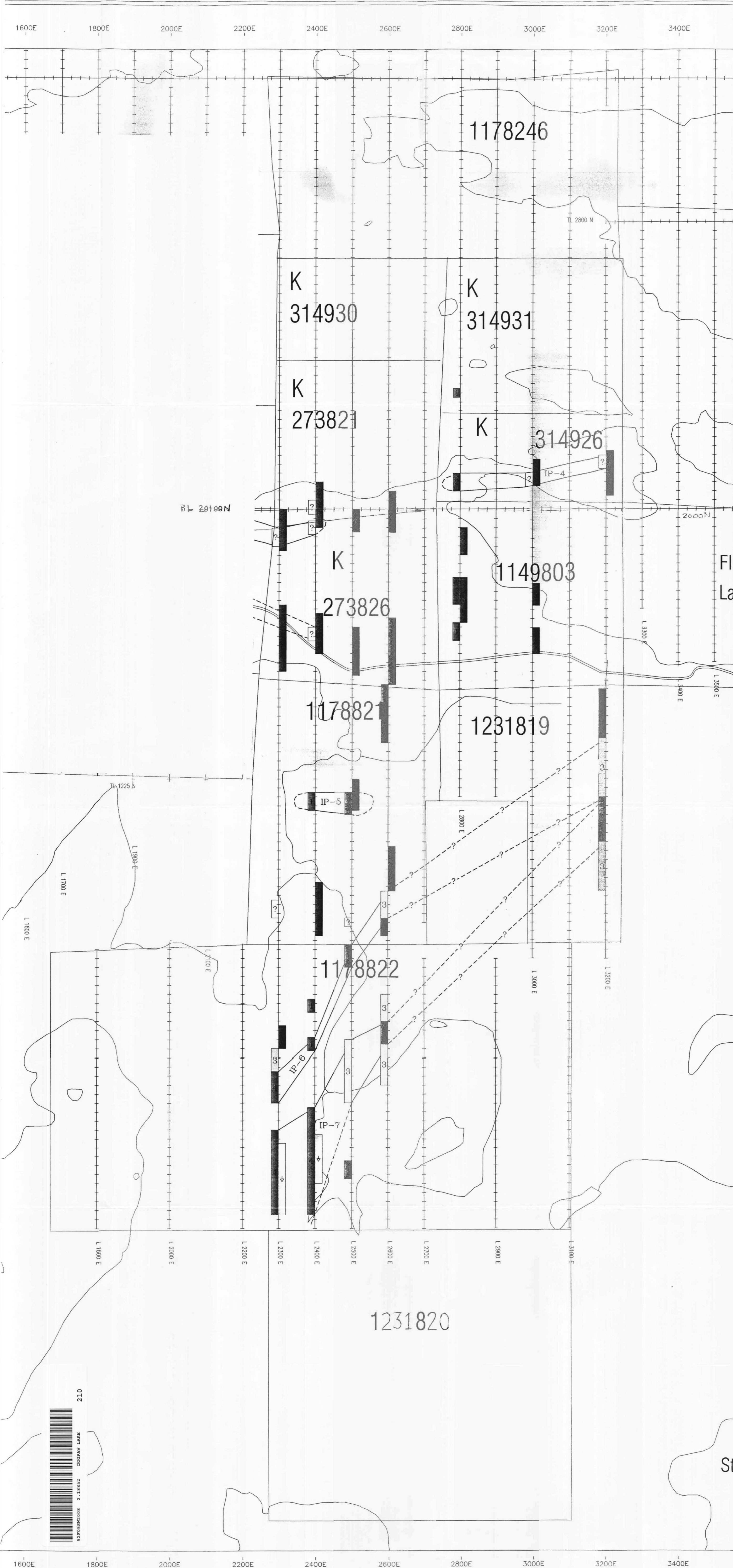
DOGPAW LAKE

G-5E13



TRIM LINE

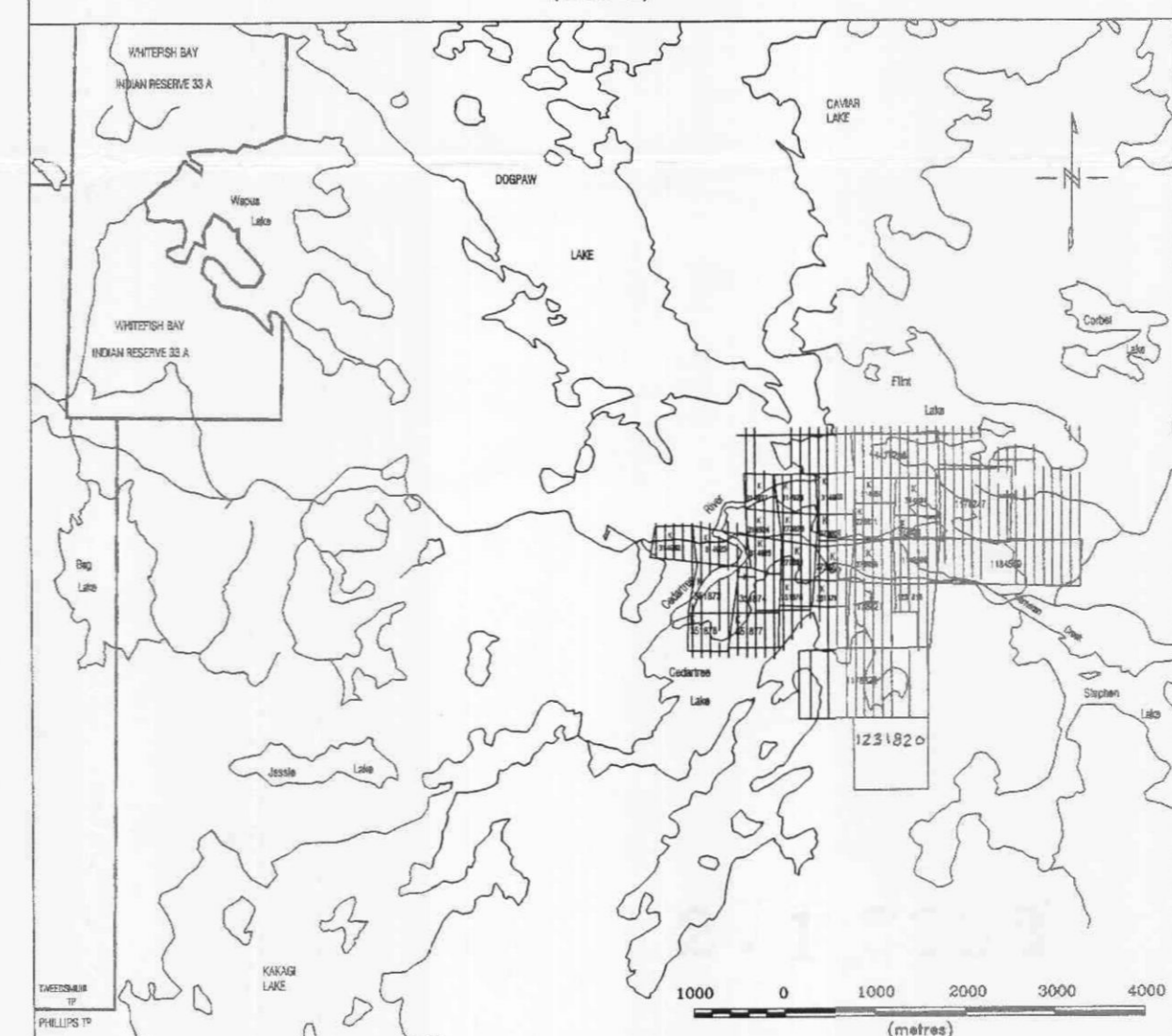
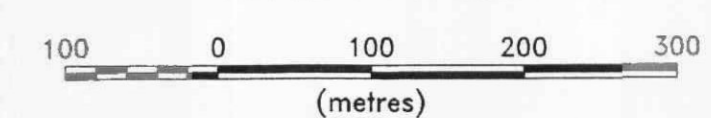
493934



LEGEND
INDUCED POLARIZATION

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

SCALE 1 : 5 000



AVALON VENTURES LTD.
DUBENSKI PROPERTY

GEOPHYSICAL INTERPRETATION

VAL D'OR SAGAX INC.



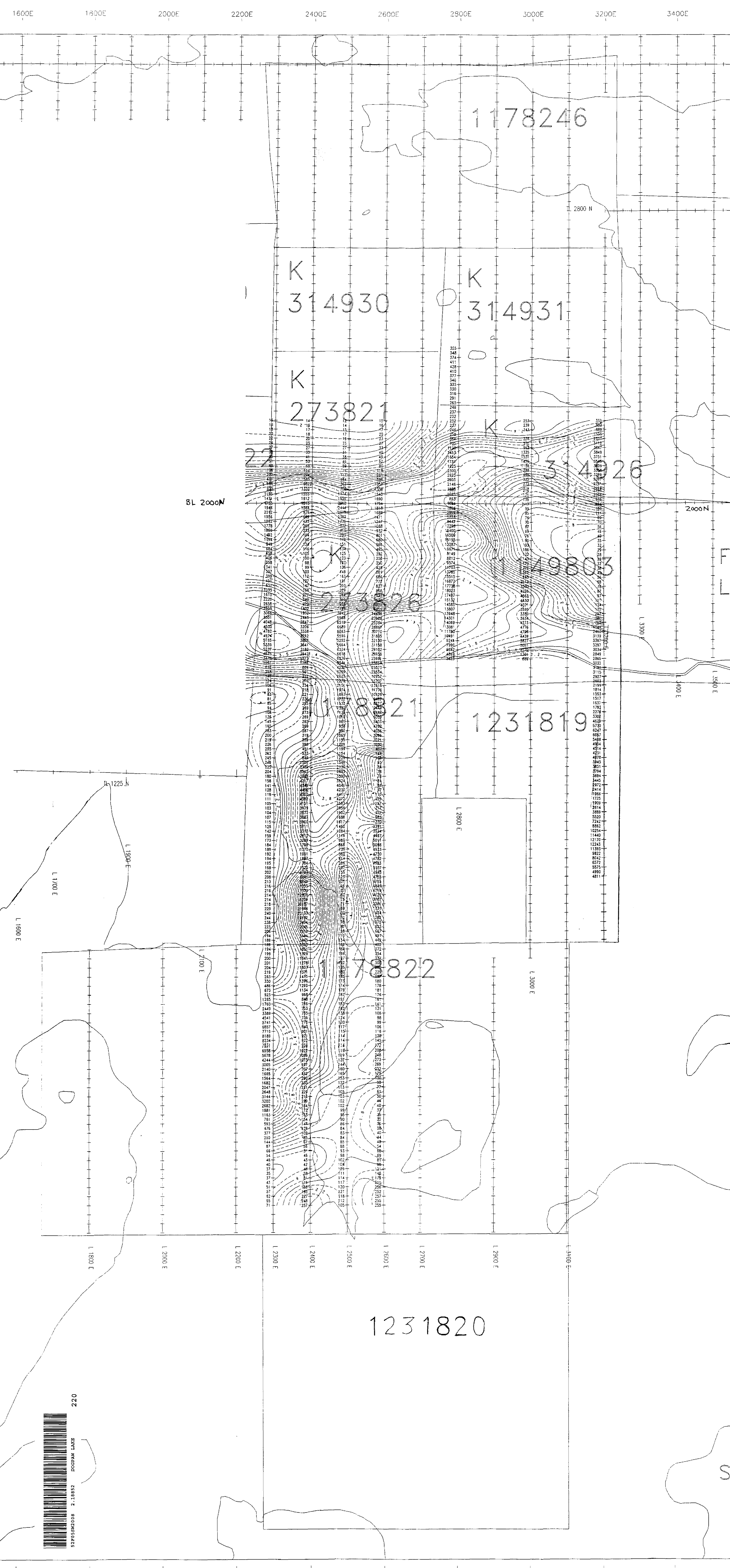
Interpreted by: D. Bérubé, B.Sc.

Date: 04/98

Scale 1 : 5 000

Drawing no: 98-N310-4.0



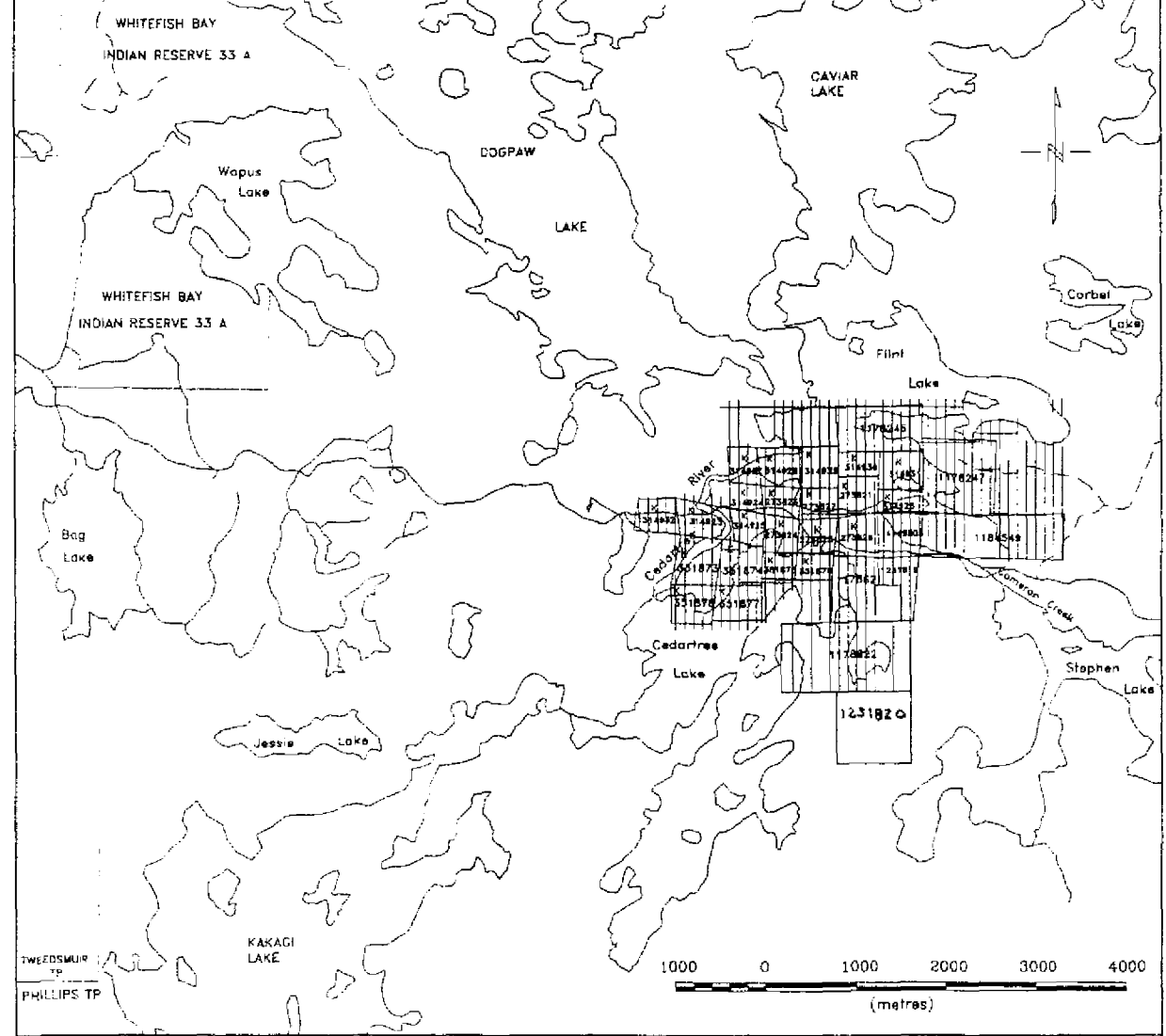
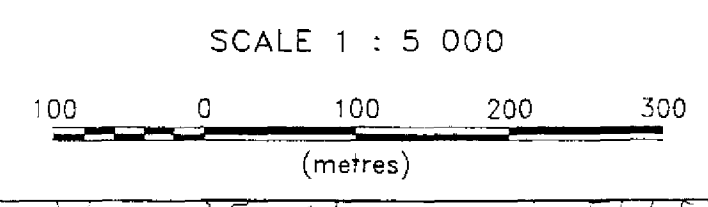


LEGEND

CONTOUR INTERVALS (Ohm-m)
 Logarithmic contours:
 --- 0.1
 --- 0.2
 --- 0.5

Electrode array: Dipole-Dipole
 $a = 25\text{ m}$ $n = 1$ to 6

Instruments: Elrec-6+ (IRIS), Tx-11 (GDD)
 Time cycle: 8 sec.
 Injection time: 2 sec.



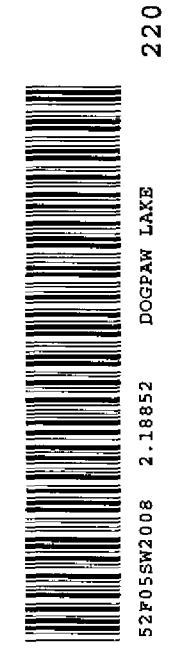
AVALON VENTURES LTD.
DUBENSKI PROPERTY

INDUCED POLARIZATION SURVEY
 Image2D APPARENT RESISTIVITY MAP AT 50m DEPTH LEVEL

VAL D'OR SAGAX INC.



Interpreted by: D. Bérubé, B.Sc. Date: 04/98
 Scale 1 : 5 000 Drawing no: 98-N310-4.2



1600E 1800E 2000E 2200E 2400E 2600E 2800E 3000E 3200E 3400E



LEGEND

CONTOUR INTERVALS (mV/V)

Linear contours:

- 0.5
- 1.0
- 2.0

Electrode array: Dipole-Dipole

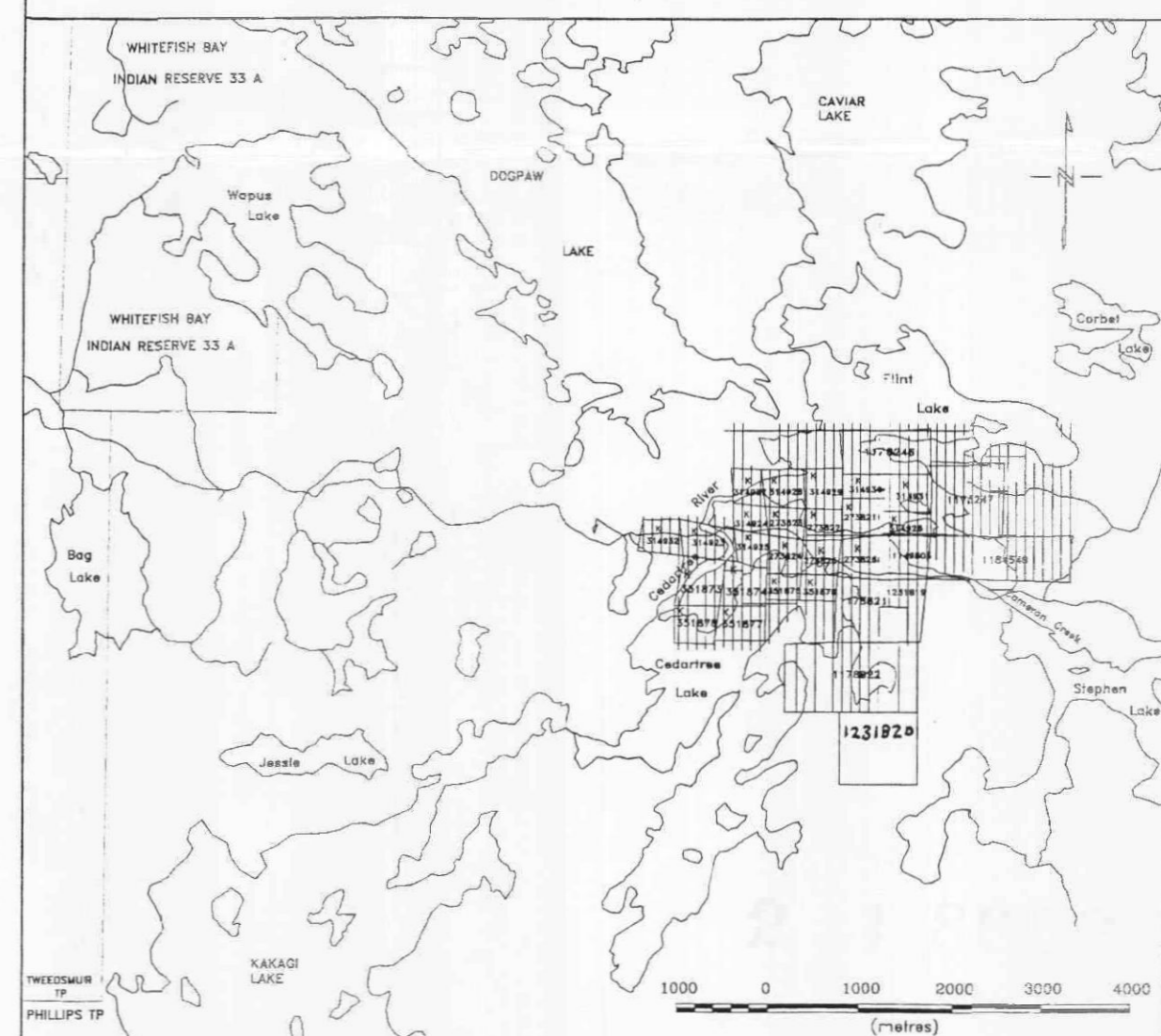
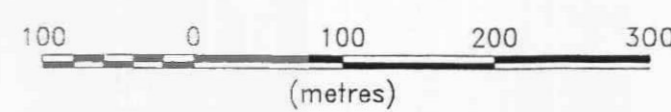
a = 25 m n = 1 to 6

Instruments: Elrec-6+ (IRIS), Tx-11 (GDD)

Time cycle: 8 sec.

Injection time: 2 sec.

SCALE 1 : 5 000



AVALON VENTURES LTD.
DUBENSKI PROPERTY

INDUCED POLARIZATION SURVEY
Image2D APPARENT CHARGEABILITY MAP AT 50m DEPTH LEVEL

VAL D'OR SAGAX INC.

VAL D'OR SAGAX

Interpreted by: D. Bérubé, B.Sc.

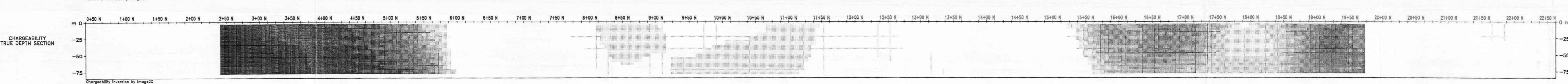
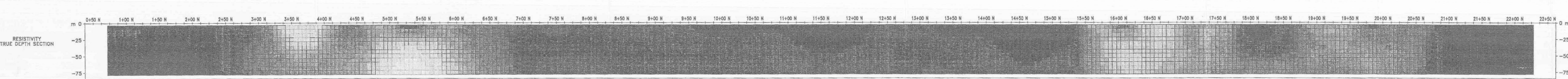
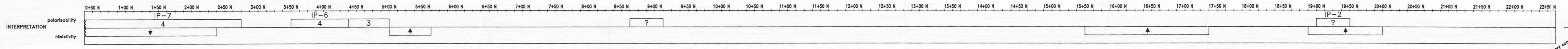
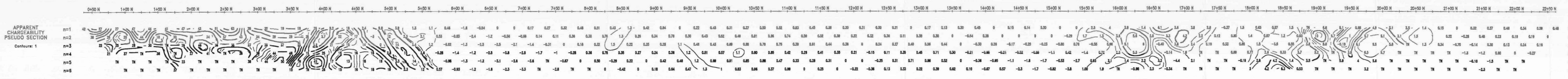
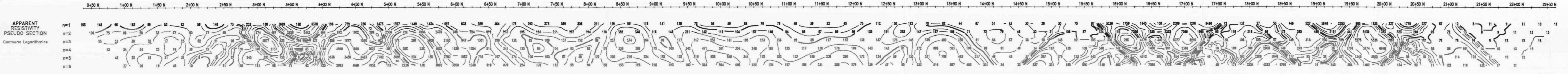
Date: 04/98

Scale 1 : 5 000

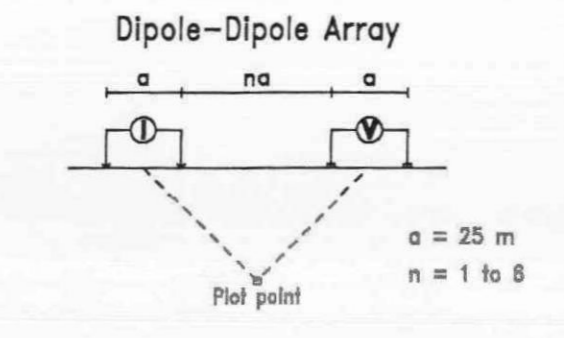
Drawing no: 98-N310-4.3



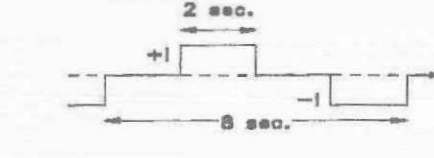
230



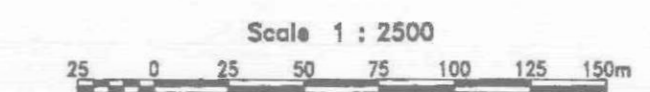
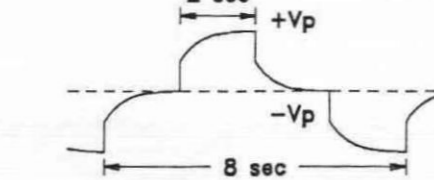
INDUCED POLARIZATION SURVEY



Transmitter: TX-11 (GDD), 1.4 kW



Receiver: Elrec-6+ (IRIS)



AVALON VENTURES LTD.

Dubenski Property
N.T.S. 51F/05
Ontario

Line 2300E

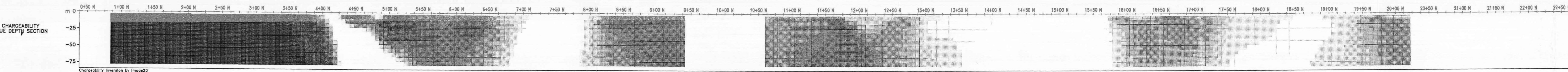
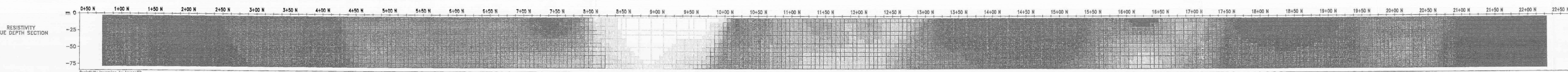
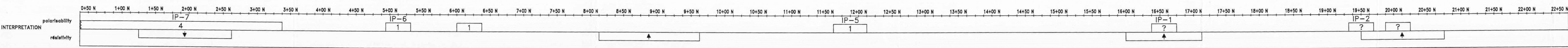
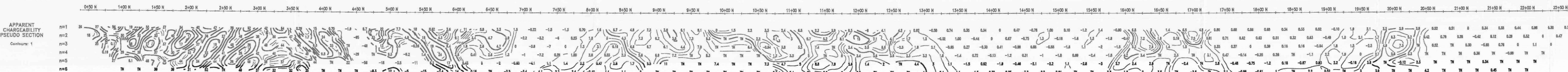
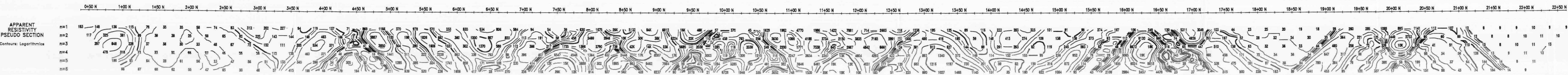
Interpreted by: Dominique Bérubé, B.Sc.
Date of survey: March 1998
Surveyed by: Paul Melançon
Reference: 98N310



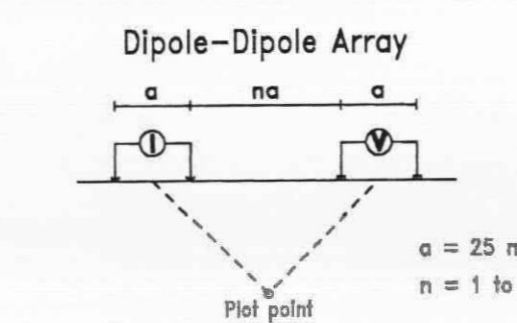


52F05SW2008 2.18852 DOGPAW LAKE

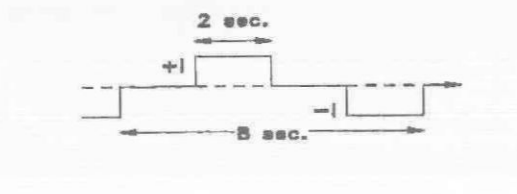
250



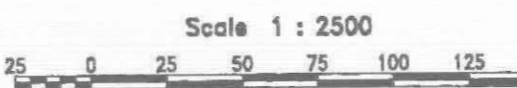
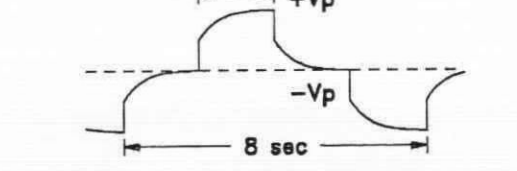
INDUCED POLARIZATION SURVEY



Transmitter: TX-11 (GDD), 1.4 kW



Receiver: Elrec-6+ (IRIS)



AVALON VENTURES LTD.

Dubenski Property N.T.S. 51F/05 Ontario

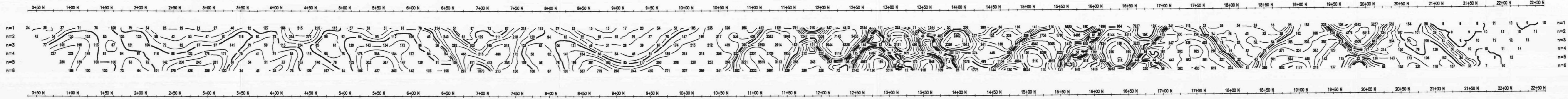
Line 2400E

Interpreted by: Dominique Bérubé, B.Sc. Date of survey: March 1998 Surveyed by: Paul Melançon Reference: 98N310

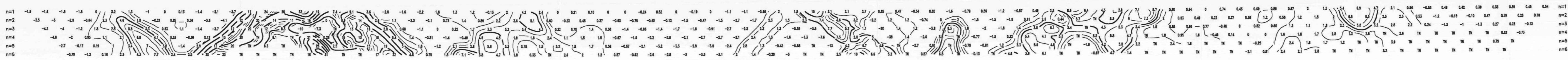




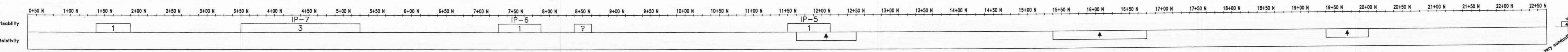
APPARENT RESISTIVITY



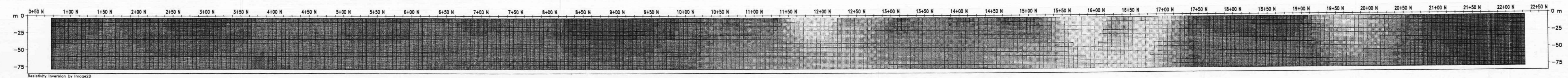
APPARENT CHARGEABILITY PSEUDO SECTION



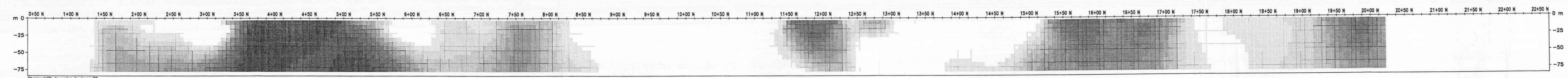
INTERPRETATION



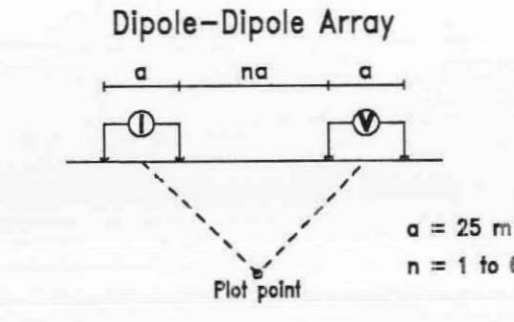
RESISTIVITY TRUE DEPTH SECTION



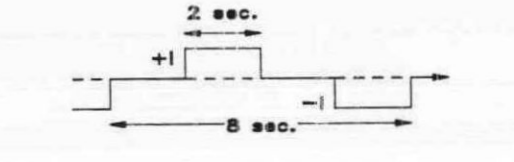
CHARGEABILITY TRUE DEPTH SECTION



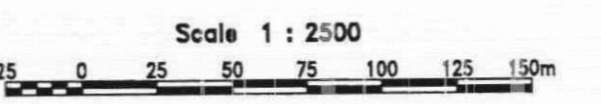
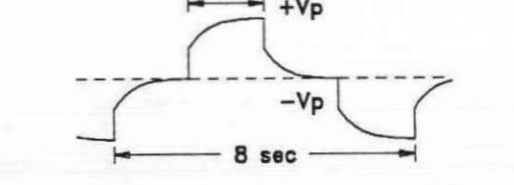
INDUCED POLARIZATION SURVEY



Transmitter: TX-11 (GDD), 1.4 kW



Receiver: Eirec-6+ (RIS) 2 sec



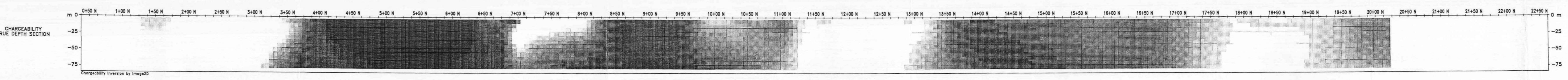
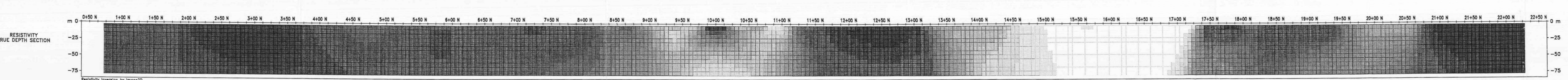
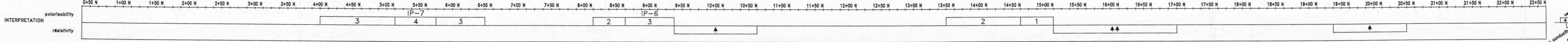
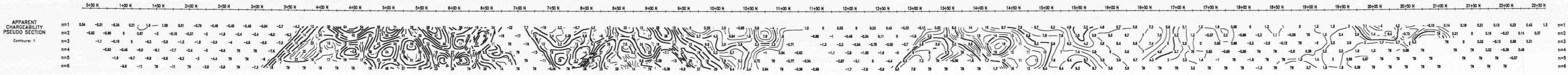
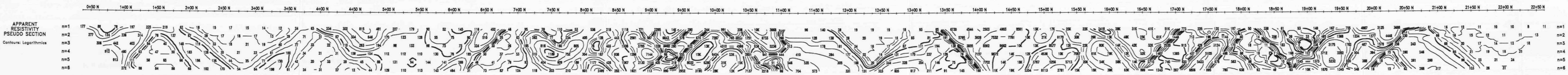
AVALON VENTURES LTD.

Dubenski Property
N.T.S. 51F/05
Ontario

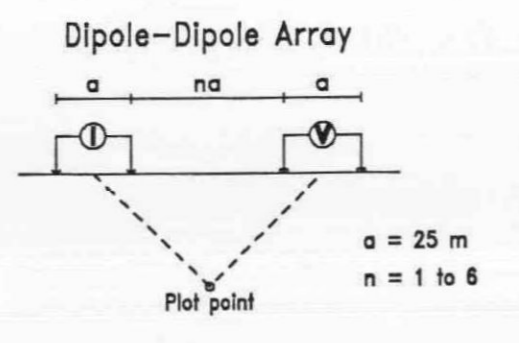
Line 2500E

Interpreted by: Dominique Bérubé, B.Sc.
Date of survey: March 1998
Surveyed by: Paul Melançon
Reference: 98N310

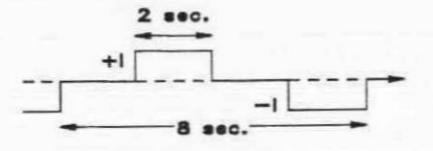




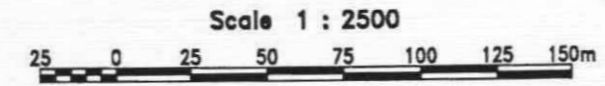
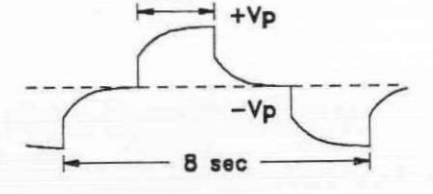
INDUCED POLARIZATION SURVEY



Transmitter: TX-11 (GDD), 1.4 kW



Receiver: Erec-6+ (IRIS)



AVALON VENTURES LTD.

Dubenski Property
N.T.S. 51F/05
Ontario

Line 2600E

Interpreted by: Dominique Bérubé, B.Sc.
Date of survey: March 1998
Surveyed by: Paul Melançon
Reference: 98N310



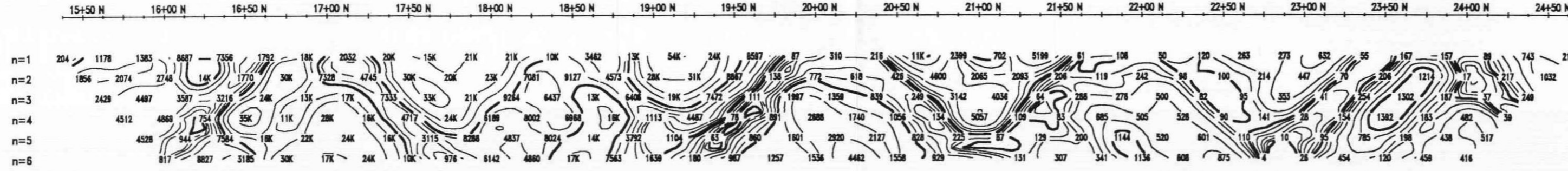


52F05SW2008 2.18852 DOGPAW LAKE

280

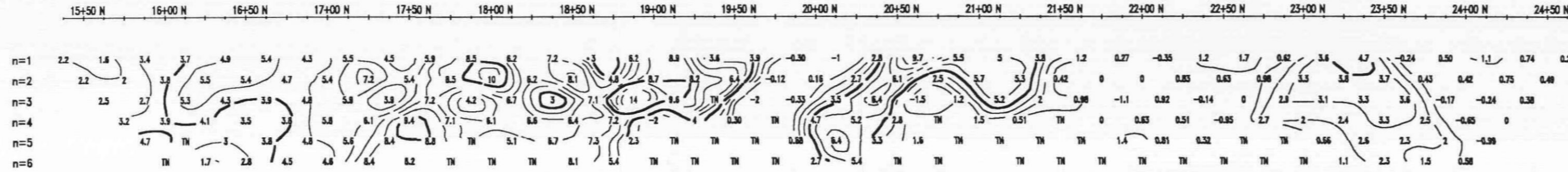
APPARENT RESISTIVITY SECTION

Contours: Logarithmic



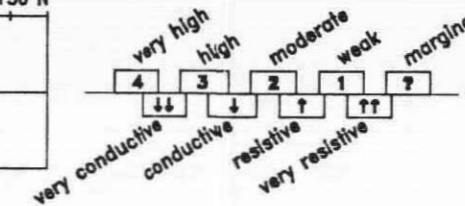
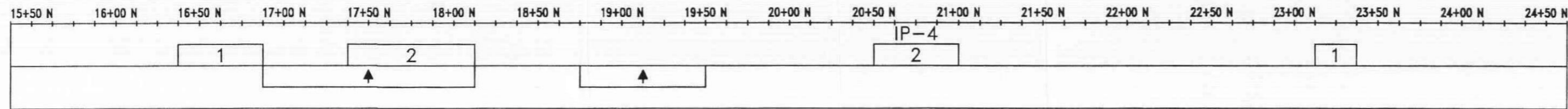
APPARENT CHARGEABILITY PSEUDO SECTION

Contours: 1

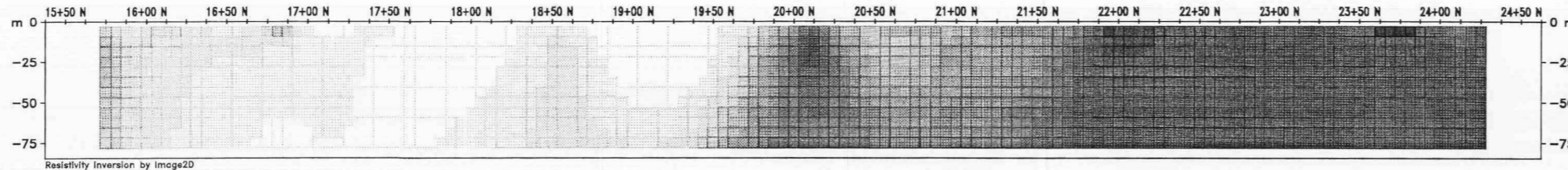


INTERPRETATION

polarisability
resistivity

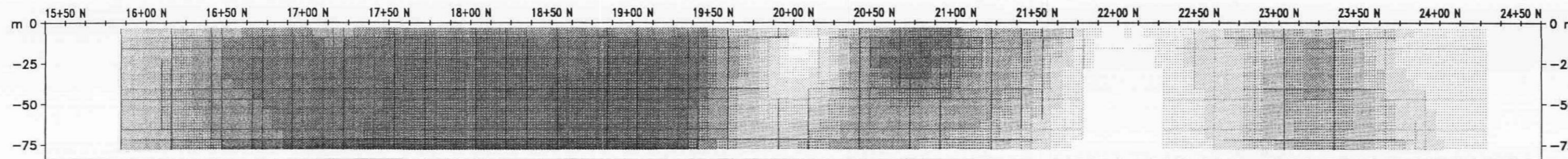


RESISTIVITY TRUE DEPTH SECTION



Resistivity Inversion by Image2D

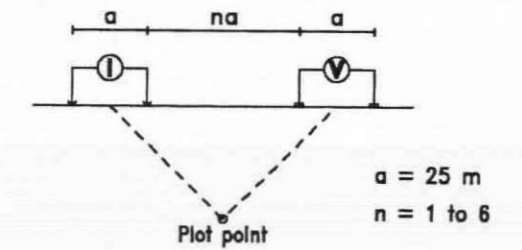
CHARGEABILITY TRUE DEPTH SECTION



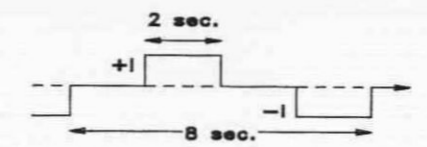
Chargeability Inversion by Image2D

INDUCED POLARIZATION SURVEY

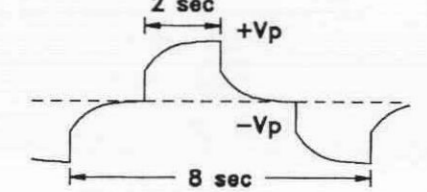
Dipole-Dipole Array



Transmitter: TX-11 (GDD), 1.4 kW



Receiver: Elrec-6+ (IRIS)



Scale 1 : 2500



AVALON VENTURES LTD.

Dubenski Property
N.T.S. 51F/05
Ontario

Line 2800E

Interpreted by: Dominique Bérubé, B.Sc.
Date of survey: March 1998
Surveyed by: Paul Melançon
Reference: 98N310

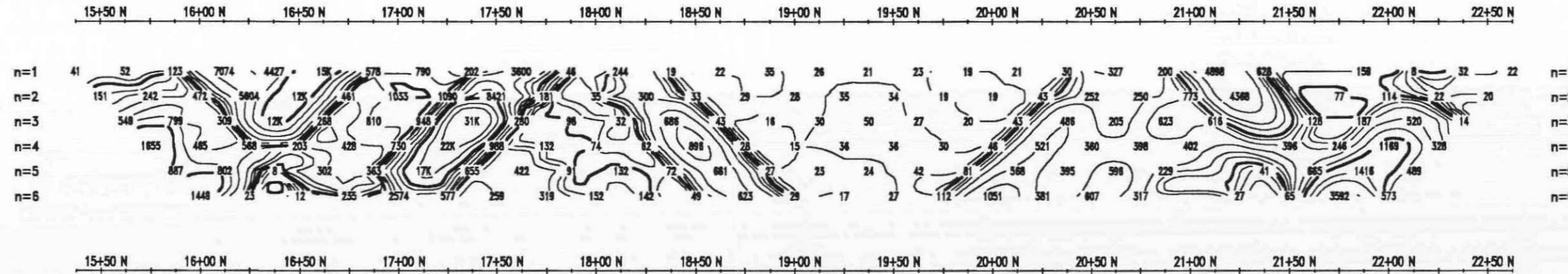




52P05SW2008 2.18852 DOGPAW LAKE 290

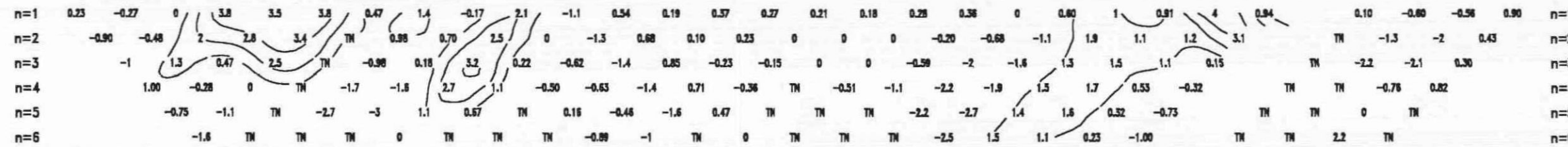
APPARENT RESISTIVITY PSEUDO SECTION

Contours: Logarithmics



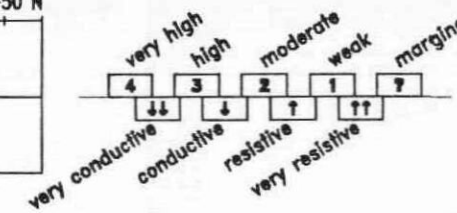
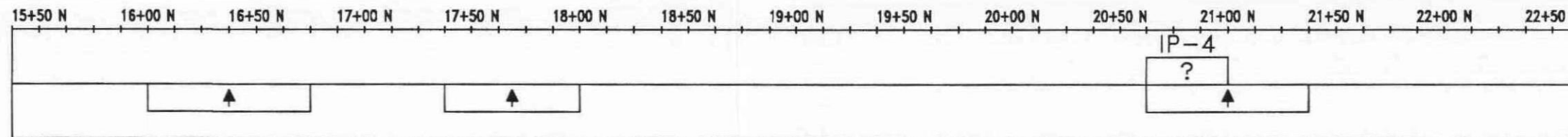
APPARENT CHARGEABILITY PSEUDO SECTION

Contours: 1

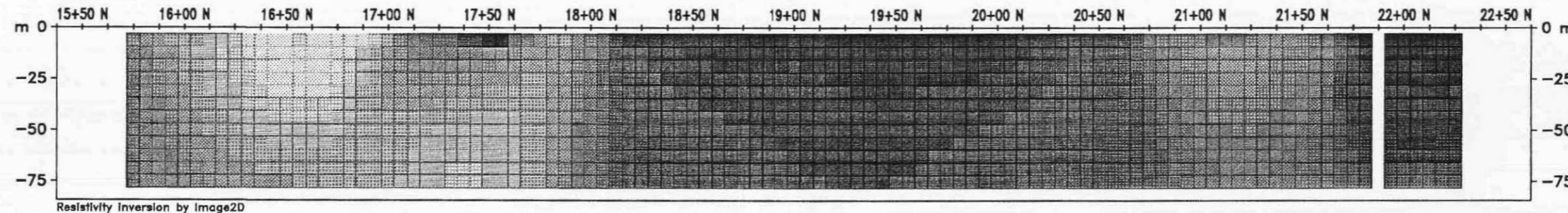


INTERPRETATION

polarisability resistivity

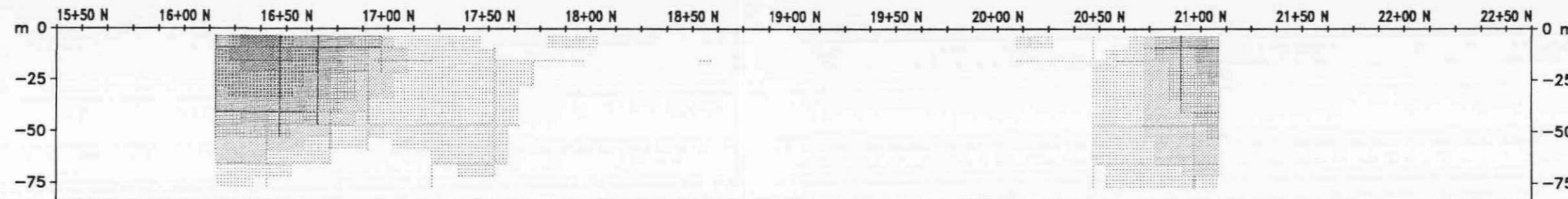


RESISTIVITY TRUE DEPTH SECTION



Resistivity Inversion by Image2D

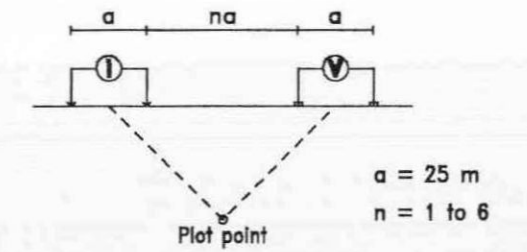
CHARGEABILITY TRUE DEPTH SECTION



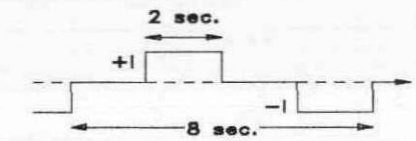
Chargeability Inversion by Image2D

INDUCED POLARIZATION SURVEY

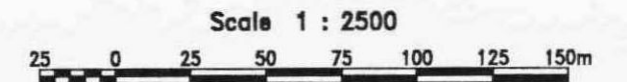
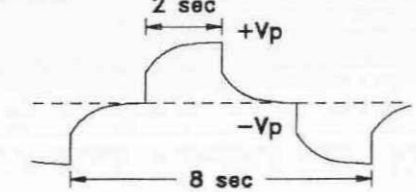
Dipole-Dipole Array



Transmitter: TX-11 (GDD), 1.4 kW



Receiver: Elrec-6+ (IRIS)



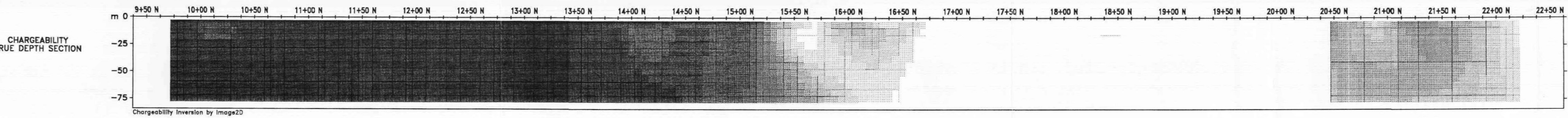
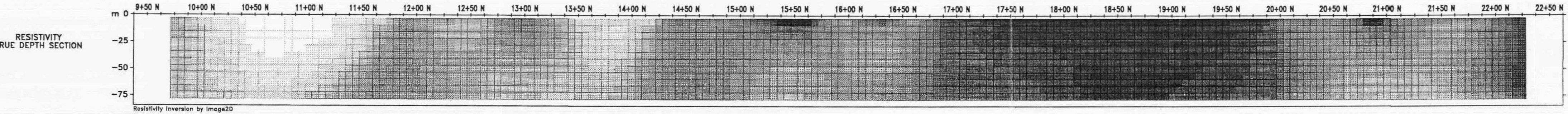
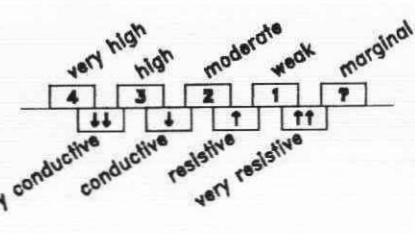
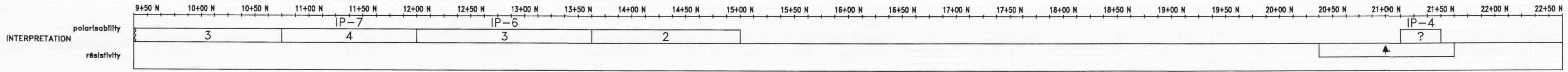
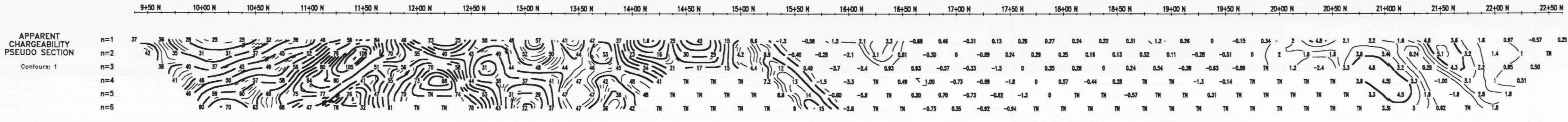
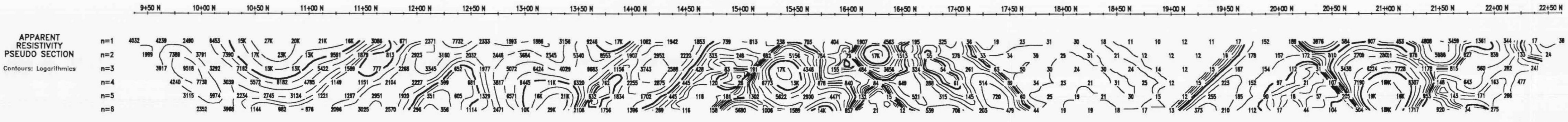
AVALON VENTURES LTD.

Dubenski Property N.T.S. 51F/05 Ontario

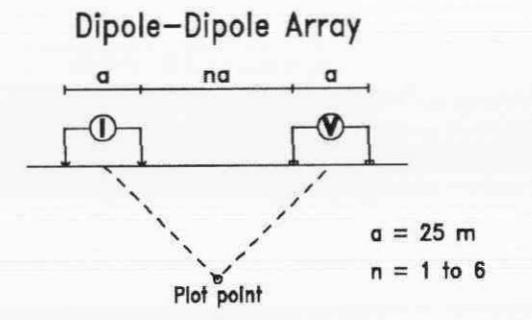
Line 3000E

Interpreted by: Dominique Bérubé, B.Sc. Date of survey: March 1998 Surveyed by: Paul Melançon Reference: 98N310

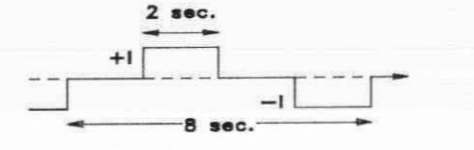




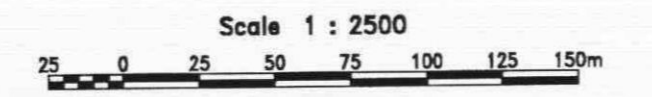
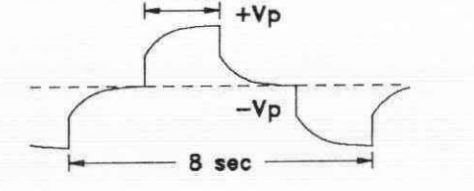
INDUCED POLARIZATION SURVEY



Transmitter: TX-11 (GDD), 1.4 kW



Receiver: Elrec-6+ (IRIS)



AVALON VENTURES LTD.

Dubenski Property
N.T.S. 51F/05
Ontario

Line 3200E

Interpreted by: Dominique Bérubé, B.Sc.
Date of survey: March 1998
Surveyed by: Paul Melançon
Reference: 98N310

