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LOGISTICS AND INTERPRETATION REPORT
ON AN IP SURVEY
AT CARSCALLEN PROJECT (6170)
CARSCALLEN TOWNSHIP
ONTARIO, CANADA
ON BEHALF OF
EXPLORERS ALLIANCE CORPORATION
00-N458B APRIL 2000

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ABSTRACT

THIS GEOPHYSICAL CAMPAIGN IS PART OF AN ONGOING BASE METAL AND GOLD EXPLORATION PROGRAM BY EXPLORERS ALLIANCE CORPORATION ON THEIR CASCALLEN PROPERTY LOCATED ABOUT 25 KM WEST OF TIMMINS, ONTARIO.

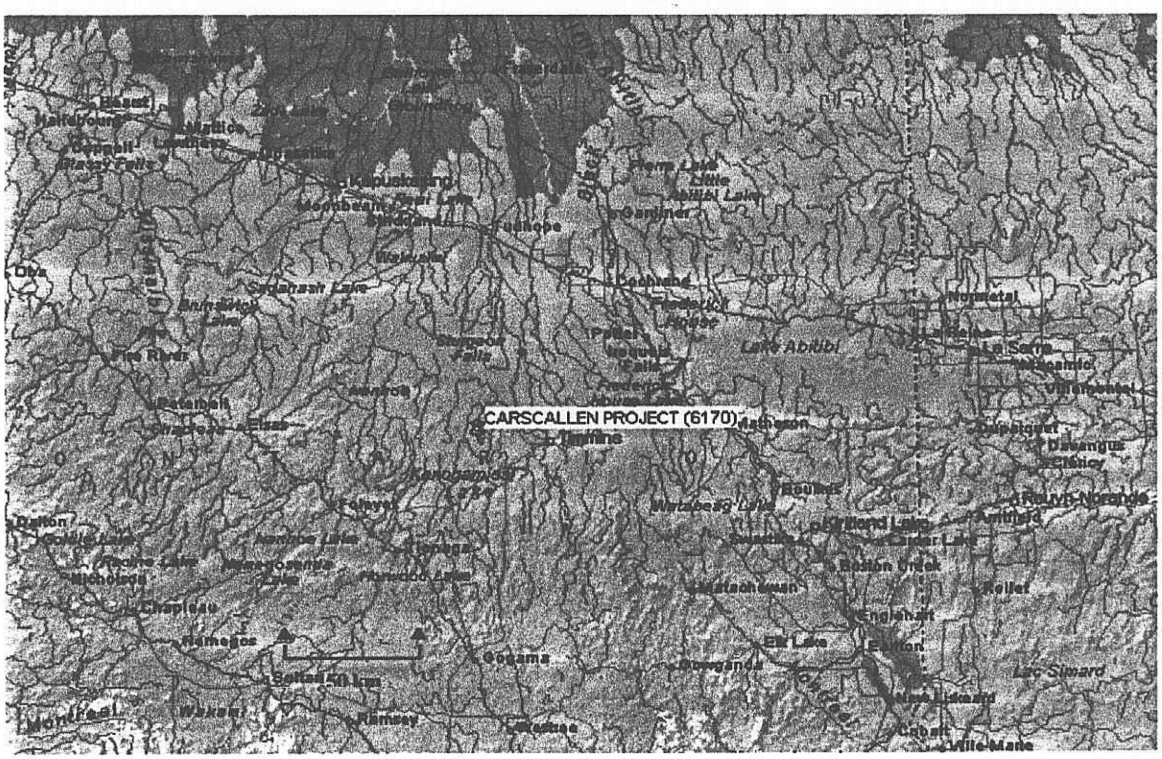
AN IP (16.7 KM OF TD POLE-DIPOLE, A = 50 M, N = 1 TO 8) WAS CARRIED OUT IN APRIL 2000 BY VAL D'OR SAGAX CREWS. SURVEY SPECIFICATIONS, INSTRUMENTATION CONTROL, DATA ACQUISITION, PROCESSING AND INTERPRETATION WERE ALL SUCCESSFULLY PERFORMED WITHIN OUR ISO 9001 QUALITY SYSTEM FRAMEWORK.

SURVEY RESULTS PERMITTED THE DETECTION OF 6 CHARGEABILITY ANOMALIES OF DIFFERENT CHARACTERISTICS. ANOMALIES PD-4 AND PD-3 TO THE NORTH-WEST ARE CLOSELY ASSOCIATED WITH A RESISTIVITY HIGH, ANOMALY PD-4 WAS INTERSECTED BY PREVIOUS DDHS. ANOMALY PD-2, DIRECTLY TO THE EAST, IS SLIGHTLY CONDUCTIVE AND SHOWS SIMILAR RESPONSES TO PD-1 AND PD-5 MORE TO THE SOUTH. THEY ARE VERY CONDUCTIVE AND MIGHT REPRESENT MASSIVE SULFIDE OR POSSIBLE IRON FORMATIONS.

THE IP SURVEY SHOWED MANY DISTINCTIVE CHARGEABILITY AND RESISTIVITY RESPONSES AND IS AN IDEAL TOOL FOR EXPLORATION IN THE AREA. PENDING ON FUTURE EXPLORATION RESULTS, IT SHOULD BE EXTENDED TO COVER A LARGER AREA.

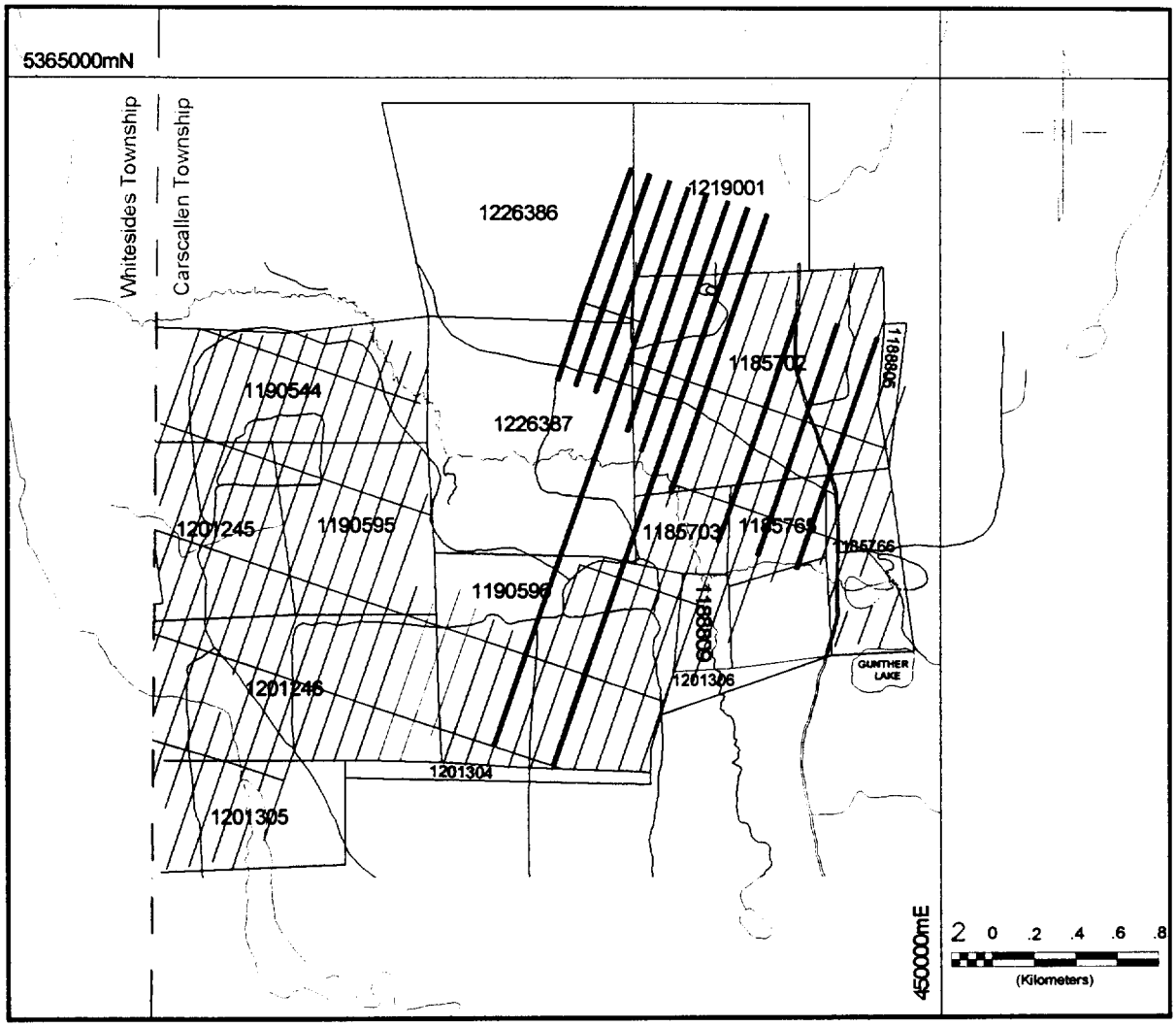
1. INTRODUCTION

- *PROJECT ID* — **Carscallen (6170)**
  (Val d'Or Sagax Reference : 00-N458b)
- *GENERAL LOCATION* — In the Abitibi Greenstone Belt,
  25 km west of Timmins, Ontario
- *CLIENT* — **Explorers Alliance Corporation**
  168 Algonquin Boulevard East
  Timmins, Ontario
  Canada P4N 1A9
  Telephone: (705) 267-3511
- *REPRESENTATIVE* — **Mr. Lionel Bonhomme**
  bonhomme@vianet.on.ca
- *SURVEY TYPE* — Time Domain **Induced Polarisation**
- *SURVEY PERIOD* — From April 13th to 17th, 2000
- *GEOPHYSICAL OBJECTIVES* —
  1. Locate semi-massive to massive sulphide rich mineralisation.
  2. Provide effective exploration through thick overburden.
  3. Determine the IP responses over known mineralized zone and establish their extensions.



2. THE CARSCALLEN PROPERTY

❑ *LOCATION*	**Carscallen** Township North-eastern Ontario, Canada Centred on 48° 26' N and 81° 42' W NTS map number : 42A/5
❑ *NEAREST SETTLEMENT*	Timmins: 25 km west on Highway 101
❑ *ACCESS*	From Highway 101, north on Bigmarsh Lake road.
❑ *GEOMORPHOLOGY*	The ground is flat and low, mostly wooded with some outcrops.
❑ *ARTIFICIAL FEATURE*	None
❑ *MINING CLAIMS*	The present survey line grid covers 8 claim blocks of the Carscallen property owned by Explorers Alliance Corporation, in the Carscallen Township. The claim numbers encompassed in the present surveys are depicted on page 3.
❑ *SURVEY GRID*	A **base line** (25+00N) and three (3) **tie lines** (35+00N, 40+00N and 42+00N) were established with a N110° azimuth. The cross lines (from 47+00E to 58+00E) are at 100 m and 200 m intervals and picketed every 25 m.
❑ *GEOLOGICAL SETTINGS*	The Property is located in the Abitibi Greenstone Belt with felsic volcanic rocks containing base metal sulphide mineralisation.



Index of Claims and Survey Grid at Carscallen

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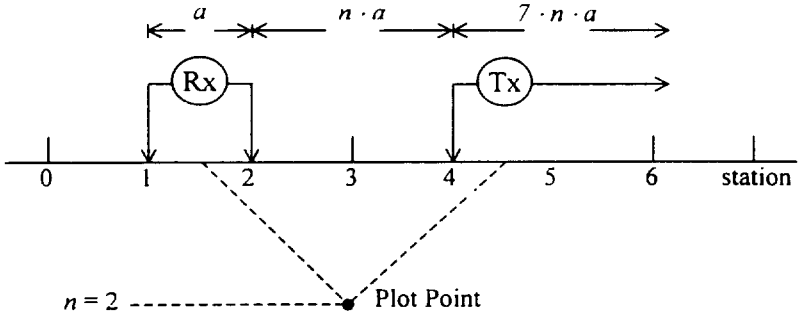
3. RESISTIVITY / INDUCED POLARISATION SURVEY

- *TYPE OF SURVEY*

Time Domain Resistivity/Induced Polarisation
Pole-Dipole array, "a" = **50m**, "n" = **1 to 8**
Location of C_∞: L20+00E, Station 70+00N (> 2.5 km distant)



- *PERSONNEL*

Michel Coulombe, Geophysical Operator, Crew Leader
Gabriel Pilon, Field Assistant
Marcel Nault, Field Assistant
Michel Guimont, Field Assistant
Roger Desforges, Field Assistant
Martin Dubois, Geologist, Fieldwork Supervisor
Gilles Bacon, T.Sc., Logistics & Instrumentation Control
Lise Gagnon, T.Sc., Data Processing & Plotting
Dominique Bérubé, Geophysicist, QC & Interpretation

- *SURVEY COVERAGE*

16.7 line-km

- *SURVEY PERIOD*

From April 13th to 17th, 2000
five (5) survey days.
No breakdown or weather day.

- *SPECIAL FEATURES*

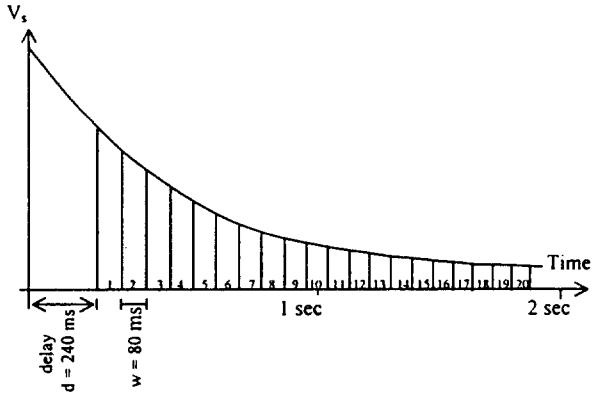
Results were processed on a daily basis using our proprietary *Refusilo*™ package in order to monitor both the efficiency of the survey parameters and the data quality.
Spectral IP processing using the Australian Geophysical Research (AGR) Spectral processing package

- *IP RECEIVER (R_x)*

IRIS **Elrec-10** serial #111 (10 input channels)
Electrodes : stainless steel stakes

V_P Primary voltage measurement :
- ✧ Input impedance : 10 MΩ
- ✧ Resolution : 0.001 mV
- ✧ Typical accuracy : **0.3%**

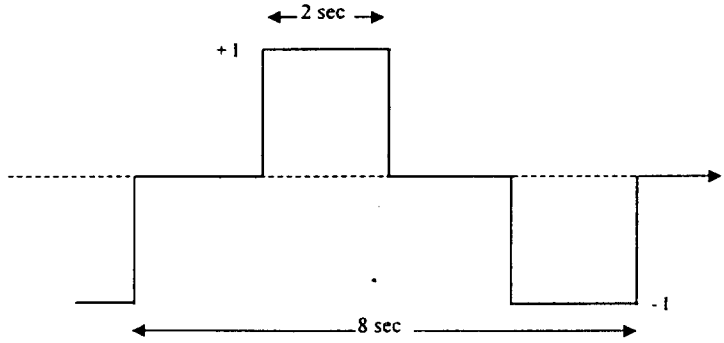
M_a Apparent chargeability measurement :
- ✧ Resolution : 0.1 mV/V
- ✧ Typical accuracy : **0.6%**
- ✧ Arithmetic sampling mode, 20 time slices (M_1 to M_{20})



- ✧ All windows are normalised with respect to a standard decay curve for QC in the field.

- *IP TRANSMITTER (T_x)*

GDD Instruments **TxII** serial #207
Power supply : Kodiac 1800 W Motor Generator
Maximum output : up to 1.4kW or **10 A** or 2000 V
Electrodes : stainless steel stakes
Resolution on output current display **I** : 1 mA
Waveform : bipolar square wave at 50% duty cycle
Pulse duration : 2 seconds



- *APPARENT RESISTIVITY CALCULATION*

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

Cumulative error: **5% max**, mainly related to chaining accuracy

- *ISO 9001 Quality Control Evidences (Quality Records Available Upon Request)*

Before the survey :
- ✓ Transmitter & Motor Generator were checked for maximum output in VDS calibrated loads.
- ✓ Receiver was checked with VDS SIMP™ certified calibrated V_P & M signal simulator.

During data acquisition :
- ✓ R_x & T_x cables insulation were verified every morning.
- ✓ Output current was always sufficient (average is **541 mA**, minimum 45 mA)
- ✓ Contact resistance at Rx was always acceptable (average is **4.95 KΩ**, maximum 43.4 KΩ)
- ✓ V_P level at Rx was high enough except on a few highly conductive zones. (n=8 average is **93.7 mV**, minimum 1.2 mV)
- ✓ Enough pulses were stacked. (kept constant at **5 pulses** for Spectral IP)

At the Base of Operations :
- ✓ Field QCs were inspected & validated
- ✓ Each IP decay curve was analysed with *Refusilo™*:
  - ➢ **92.9%** of observed gates were found to fit on a pure electrode polarisation relaxation curve.
  - ➢ Rejected gates were not included in the computation of the plotted M_a.
- ✓ The average error on M_a at n = 8 is **0.53 mV/V**

4. Survey Products

The following colour plates are bounded at the end of this report or inserted into pockets. Our ISO9001 Quality System requires that every final map is inspected by at least two qualified persons before being approved and included within a final report. Moreover, the author have to submit his interpretation concept to the Engineering Committee for review and approval before completing the interpretation and writing the final report.

Plate Number	Description	Scale
L-44+00E to 51+00E L-54+00E, 56+00E and 58+00E	Colour Apparent Resistivity & Chargeability Pseudosections and *image2D™* True-depth Sections with four spectral parameters and Interpretation (11 plates bounded at the end)	1 : 5 000
8.2	Colour *image2D™* Resistivity at 125m Depth	1 : 5 000
8.3	Colour *image2D™* Chargeability at 125m Depth	1 : 5 000
10	Geophysical Interpretation Map	1 : 5 000

5. INTERPRETATION

RESISTIVITY & IP RESPONSES

The resistivity responses over the Carscallen grid show some strong variations ranging from conductive values of about 500 Ω.m and less to resistive values of over 10 kΩ.m. A conductive overburden is observed on most lines, especially in the north-west portion of the grid where the more resistive bedrock was just barely reached by the present survey. The bedrock approaches the surface on many occasions displaying resistive features pocking up through the conductive overburden.

The chargeability values are distributed over a large range with anomalous areas varying from 5.0 to more than 30 mV/V over a background of less than 2.5 mV/V. Six chargeability anomalies were identified on the Carscallen grid and were labelled PD-1 to PD-6 and are shown along the survey lines on the Geophysical Interpretation Map and on the Pseudosections Plates.

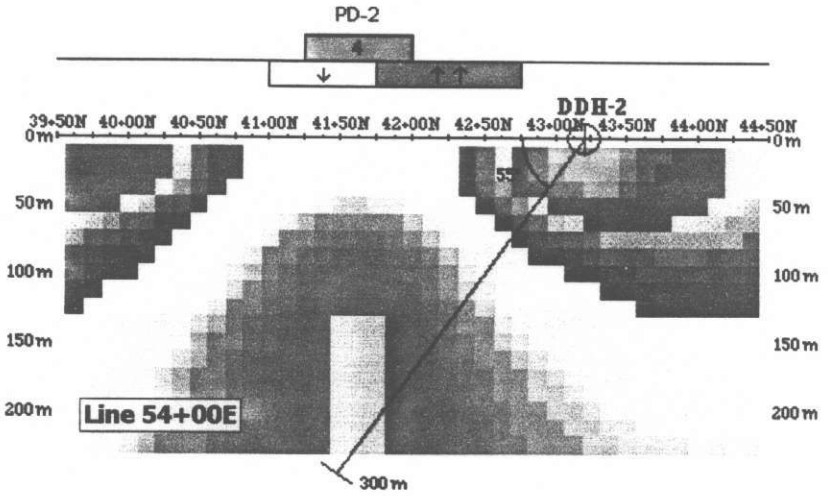
The spectral parameters show some variations over a few anomalies where the time constant τ decreases to less than 1.0 seconds over a background of about 2.0 seconds, while the frequency dependence variable c increases over 0.3 for a background of about 0.17.

The characteristic of the IP anomalies are tabulated in the Table on page 9.

EXPLORATION PROSPECTS

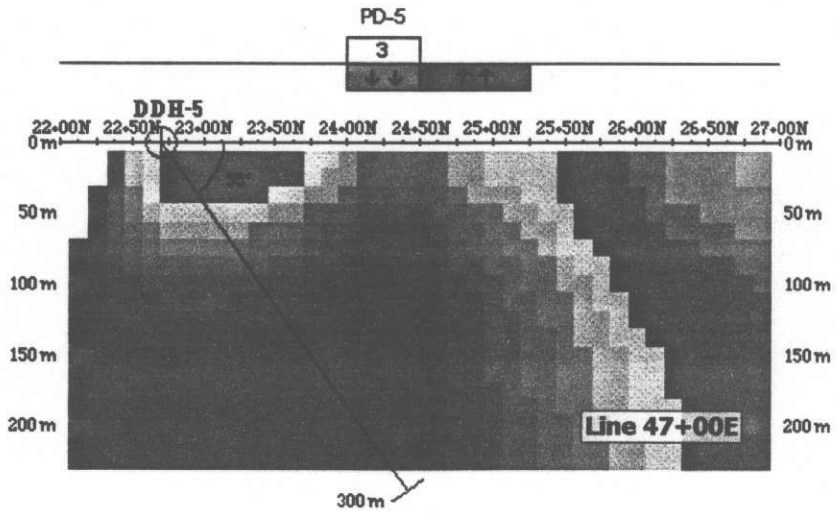
Anomalies PD-3 and PD-4 are weakly polarisable and seem to border to the north (PD-3) and to the south (PD-4) a resistive feature, possibly corresponding to a rhyolite layer associated with some sulfide mineralisation. It is restricted to the surface with no extension at depth to the west and showing increasing extension at depth toward the east. On line 51+00E, PD-4 and the associated resistivity high barely reach surface. Their extensions east of 51+00E are unknown where the presence of a fault between PD-3/PD-4 and PD-2 to the east is possible. PD-4 was intersected by drill hole F98-2 around station 43+50N as well as by drill hole L88-1 at about 43+75N. Drill hole ECR99-07 probably passed underneath the sulfide zone.

Anomaly PD-2 is strongly polarisable with a very good extension at depth and partially conductive, located at the northern edge of a near surface conductor and bordered to the north by a resistive feature. This would indicate a thicker conductive overburden over the more brittle rock (with mineralisation ?) bordered to the north by a more resistive bedrock ridge. This anomaly might reach surface and should be prospected and trenched, although it is very well rooted at depth and a drill hole is recommended on line 54+00E. As PD-1 and PD-5 more to the south, this anomaly shows some slight spectral parameters responses, but to a lesser degree compared to these southern anomalies. The time constant τ shows some slightly lower values of less than 1 second while some c parameters increase to about 0.2 to 0.45.



Anomaly PD-1 is highly chargeable and very conductive and is situated on the margin of a resistive feature to the north. This style of response is often associated with some type of iron formation or with graphitic mineralisation, massive sulfide is also an interesting possibility. It has a distinctive spectral signature with the time constant τ below 1 second and the frequency dependence parameter c over 0.3. It is located near surface to the east but shows good extension at depth on lines 51+00E and 50+00E, although its general appearance on 50+00E and 49+00E is quite different and might be cut by a fault between 51+00E and 50+00E. It should be prospected and trenched at least on lines 58+00E at 35+25N and 51+00E at about 37+25N.

Anomaly PD-5 intersects the two longer lines to the south of the survey coverage at about 24+00N. Its signature is very similar to PD-1, being highly chargeable and very conductive bordered to the north by a highly resistive feature and with the same spectral parameters responses (τ < 1 second and c > 0.3). Contrary to PD-1, it barely reaches surface and demonstrates a very good extension at depth. It should therefore be tested by a drill hole on line 47+00E. It could also be drill tested on line 50+00E although the response is not as well defined due to the conductive nature of the anomaly (low signal-to-noise ratio). Additional IP coverage should be performed in this area to better define the east-west extension.



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Description of the IP anomalies at Carscallen

Anomaly	Location		Contrast		Comments
	Line	Station	IP	Res.	
PD-1	49+00E	South End	?	–	- Highly chargeable and very conductive.
	50+00E	37+13N	2	↓	- Bordered to the north by a resistive feature.
	51+00E	37+13N	4	↓↓	- Possibility of massive sulfide or iron formation, presence of
	54+00E	36+38N	2	↓↓	graphite also probable.
	56+00E	35+88N	4	↓↓	- Spectral parameters : $\tau < 1$ sec and $c > 0.3$.
	58+00E	35+38N	4	↓	- Generally near surface.
					- Open to the east, **additional IP coverage** recommended.
					- Should be **prospected and trenched** on lines 58+00E and 51+00E
PD-2	54+00E	41+63N	4	↓	- Strongly polarisable with very good extension at depth.
	56+00E	41+63N	3	↓	- Bordered to the north by a resistive feature.
	58+00E	42+00N	2	–	- Slight spectral parameter response : $\tau < 1$ sec and $c > 0.2$.
					- Should be **prospected and trenched**.
					- Could be **drill tested on line 54+00E**.
PD-3	49+00E	44+88N	1	↑	- Weakly polarisable to the north of a resistivity high.
	50+00E	44+00N	2	↑	- Restricted to surface to the west with increasing depth
	51+00E	43+00N	?	↑↑	extension to the east
					- **Additional IP coverage** is recommended between lines 51+00E and 54+00E to determine its extension and/or correlation with PD-2.
PD-4	46+00E	45+13N	?	–	- Weakly polarisable to the south of a resistivity high.
	47+00E	44+13N	1	–	- Restricted to surface to the west with increasing depth
	48+00E	43+50N	1	–	extension to the east
	49+00E	43+13N	2	↑	- **Additional IP coverage** is recommended between lines
	50+00E	43+00N	1	↑↑	51+00E and 54+00E to determine its extension and/or
	51+00E	41+50N	1	–	correlation with PD-2.
PD-5	47+00E	24+25N	3	↓↓	- Very strongly polarisable and conductive.
	50+00E	23+63N	4	↓↓	- Possibility of massive sulfide or iron formation, presence of graphite also probable.
					- Near surface with good extension at depth.
					- Spectral parameters : $\tau < 1$ sec and $c > 0.3$.
					- Should be **prospected and trenched**.
					- Should be **drill tested on line 47+00E** and possibly on line 50+00E.
PD-6	47+00E	31+13N	1	–	- Very weakly polarisable partially associated with a resistivity
	50+00E	32+13N	1	–	high.
					- Should be **prospected and trenched**.

Anomalies to be **prospected and trenched :**

- PD-1 on line 51+00E at 37+25N and on line 58+00E at 35+25N
- PD-2 on all lines (54+00E at 41+75N, 56+00E at 41+75N and 58+00E at 42+00N)
- PD-5 on line 47+00E at 24+25N and on line 50+00E at 23+75N
- PD-6 on line 47+00E at 31+25N and on line 50+00E at 32+00N

Anomalies to be **drill tested :**

- PD-2 on line 54+00E at 41+60N, depth of about 200 m
- PD-5 on line 47+00E at 24+25N, depth of about 200 m with a second target on line 50+00E at 23+50N, depth of about 125 m.

Additional IP coverage : (the strong IP/resistivity responses on the property makes it a ideal technique for exploration in the area)

- It would be strongly recommended to complete the IP coverage between lines 51+00E and 54+00E to define the extensions of anomalies PD-3 and PD-4 as well as PD-2. There is a strong variation in the signatures of PD-3 and PD-4 to the west (weakly chargeable and fairly superficial) and PD-2 to the east (strongly chargeable and conductive with very good extension at depth) and a complete IP coverage would be very helpful to clarify the picture in this area.
- Pending on exploration results on anomalies PD-2 and PD-1, IP coverage should be extended to the east of line 58+00E.
- Pending on exploration results on anomalies PD-5 and PD-6, IP coverage should be extended east and west of the southern portion of lines 47+00E and 50+00E, as well as between those lines.

A complete **magnetic survey** is also recommended on the Carscallen grid to help differentiate anomalies and map the different structures.

The interpretation of the IP survey data embodied in this report is essentially a geophysical appraisal of the Carscallen Property. As such, it incorporates only as much geoscientific information as the author has on hand at the time. Geologists thoroughly familiar with the area are in a better position to evaluate the geological significance of the various geophysical signatures. Moreover, as time passes and information provided by follow-up programs are compiled, exploration targets recognised in this study might be down- or up-graded.

Respectfully submitted,
Val d'Or Sagax inc.

Dominique Bérubé, B.Sc
Geophysicist

DB/ag

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)
W0060.00298
Assessment Files Research Imaging

42A05NE2035 2.20394 CARSCALLEN 900

ıbsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, tl
nent work and correspond with the mining land holder. Questions about this collecti
ment and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

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: Exploreas Alliance	Client Number: 203065
Address: 168 ALGONQUIN BLVD EAST TIMMINS, ONTARIO P4N1A9	Telephone Number: (705) 267-3511
	Fax Number: (705) 267-3121
Name	Client Number
Address	Telephone Number
	Fax Number

CARSCALLEN

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

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

Work Type: Linecutting I.P.		Office Use
		Commodity
		Total $ Value of Work Claimed: 16.137
Dates Work Performed: From 13 (Day) 04 (Month) 2000 (Year) To 17 (Day) 04 (Month) 2000 (Year)		NTS Reference
Global Positioning System Data (if available)	Township/Area: CARSCALLEN	Mining Division
	M or G-Plan Number: G 3040	Resident Geologist District

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: VALDOR SAGAX.	Telephone Number: 819-874-2001
Address: 50 LAMAQUE BLVD	Fax Number: 819 874 2002
Name: VALDOR P.Q. J9P 2H6	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

2.20394

4. Certification by Recorded Holder or Agent

I, Yvon Balcome (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		Date: June 23, 2000
Agent's Address	Telephone Number	Fax Number

0241 (03/97)

RECEIVED
9 am
JUN 28 2000
GEOSCIENCE ASSESSMENT OFFICE

RECEIVED
JUN 26 2000
3:50 PM
PORCUPINE MINING DIVISION

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

W0060.00298

	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	1226387	6	2454			2454
2	1226386	9	1373			1373
3	1219001	4	2379			2379
4	1190596	8	1922			1922
5	1185702	6	6952		6400	552
6	1185703	1	229			229
7	1185765	1	828			828
8	1218747	16		6400		
9						
10						
11						
12						
13						
14						
15						
	Column Totals		16137	6400	6400	9737

I, [signature] (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	Date
[signature]	June 23, 2000

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):

2.20394

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

RECEIVED
9am
JUN 28 2000
GEOSCIENCE ASSESSMENT OFFICE

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

0241 (03/97)

RECEIVED
JUN 26 2000
3:50pm
PORCUPINE MINING DIVISION

Ontario

Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use)

W0060.00798

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.

Work Type	Units of Work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
I.P. Survey	16.7 Km	@855	14279.
Line cutting	4.6 Km	URS.	802
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
			15,081
			1056
		Total Value of Assessment Work	16,137

RECEIVED
JUN 26 2000
3:50 PM
PORCUPINE MINING DIVISION

RECEIVED
9am
JUN 28 2000
GEOSCIENCE ASSESSMENT OFFICE

1. Work filed within two years of performance is claimed at 100% of the 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 Value of Assessment Work. If this situation applies to your claim, calculation below:

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total $ value of assessment work

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, Lionel Berhomme. (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 (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature

Date June 24/2000

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

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

Telephone: (888) 415-9845
Fax: (877) 670-1555

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

July 19, 2000

Lionel Bonhomme
EXPLORERS ALLIANCE CORPORATION
168 ALGONQUIN BLVD. EAST
TIMMINS, ONTARIO
P4N-1A9

Dear Sir or Madam:

Submission Number: 2.20394

Subject: Transaction Number(s):		**Status**
	W0060.00298	Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

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

If you have any questions regarding this correspondence, please contact JIM MCAULEY by e-mail at james.mcauley@ndm.gov.on.ca or by telephone at (705) 670-5880.

Yours sincerely,

Steven B. Beneteau

ORIGINAL SIGNED BY
Steve B. Beneteau
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 15079
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.20394

Date Correspondence Sent: July 19, 2000 **Assessor:** JIM MCAULEY

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0060.00298	1226387	CARSCALLEN	Approval	July 19, 2000

Section:
14 Geophysical IP

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

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

Lionel Bonhomme
EXPLORERS ALLIANCE CORPORATION
TIMMINS, ONTARIO

REGINALD T.J. BARNES
TIMMINS, ONTARIO

ROBERT ROGER ROUSSEAU
TIMMINS, ONTARIO

FALCONBRIDGE LIMITED
TORONTO, ONTARIO

JOHN PETER HUOT
TIMMINS, ONTARIO

Correspondence ID: 15079

Ontario Ministry of Natural Resources | Ministry of Northern Development and Mines

INDEX TO LAND DISPOSITION

PLAN
G-3040

TOWNSHIP
CARSCALLEN

M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS

MINING DIVISION
PORCUPINE

LAND TITLES/REGISTRY DIVISION
COCHRANE

Scale 1:20 000

Contour Interval 10 Metres

REFERENCES

AREAS WITHDRAWN FROM DISPOSTION
M.R.O. - MINING RIGHTS ONLY
S.R.O. - SURFACE RIGHTS ONLY
M.+S. - MINING AND SURFACE RIGHTS

Description | Order No. | Date | Disposition | File

(A) AGGREGATE PERMIT - NOTICE RECEIVED JUNE 16, 1993

SYMBOLS

Boundary
Administrative District
Township, Meridian, Baseline
Road allowance, surveyed
shoreline
Lot/Concession, surveyed
unsurveyed
Parcel, surveyed
unsurveyed
Right-of-way, road
railway
utility
Reservation
Cliff, Pit, Pile
Contour
interpolated
Approximate
Depression
Control point (horizontal)
Flooded land
Mine shaft
Pipeline (above ground)
Railway, single track
double track
abandoned
River/Stream/Creek
intermittent
Road, highway, county, township
or crese
trail, bush
Shoreline (original)
Transmission line
Wooded area

(A) — ~~THIS TWP. IS SUBJECT TO FOREST ACTIVITIES IN 1994/95 FURTHER INFORMATION AVAILABLE ON FILE.~~

(ST) — APPLICATION PENDING UNDER THE PUBLIC LANDS ACT SNOWMOBILE TRAILS - NOTICE RECEIVED 92-DEC-21

(F2) THIS TWP SUBJECT TO FOREST ACTIVITY IN 1995-96. FURTHER INFORMATION AVAILABLE ON FILE.

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	OC
RESERVATION	(R)
CANCELLED	⊗
SAND & GRAVEL	(S)

LAND USE PERMITS FOR COMMERCIAL TOURISM, OUTPOST CAMPS (P)

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

ACTIVATED AUG. 17/94, BY: D.C.

CHECKED BY:

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only

42A05NE2035 2.20394 CARSCALLEN 200

446500E 447000E 447500E 448000E 448500E 449000E 449500E 450000E

5364500N 5364000N 5363500N 5363000N 5362500N 5362000N 5361500N

Whitesides Township

Carscallen Township

1226386

1219001

1190544

1226387

1185702

1188809

1185703

1185765

1185766

1201245

1190595

1201246

1190596

1201306

1201304

1201305

Gunther Lake

ECR99-06 ECR99-07 L88-1 F98-02 PD-4 PD-3 L99-4 PD-2 PD-1 PD-6 PD-5

BL 4200 N BL 3500 N BL 3000 N BL 2500 N BL 2000 N BL 1500 N BL 2800 N

TL 3500 N TL 3000 N TL 4000 N TL 2000 N TL 1500 N TL 3500 N

L2700 E L2800 E L2900 E L3000 E L3100 E L3200 E L3300 E L3400 E L3600 E L3700 E L3800 E L3900 E L4000 E L4100 E L4200 E L4300 E L4400 E L4500 E L4600 E L4700 E L4800 E L4900 E L5000 E L5100 E L5200 E L5300 E L5400 E L5500 E L5600 E L5700 E L5800 E L5900 E L6000 E L6100 E L6200 E L6300 E L6400 E

LEGEND

INDUCED POLARISATION SURVEY

IP Contrast

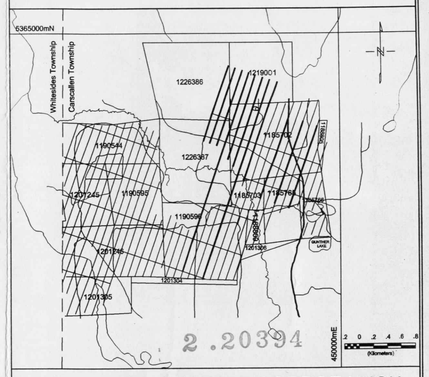
- Very Strong
- Strong
- Moderate
- Weak
- Questionable

Source Electrically...

- Very Resistive
- Resistive
- Conductive
- Very Conductive

Scale 1 : 5000

100 0 100 200 300 metre



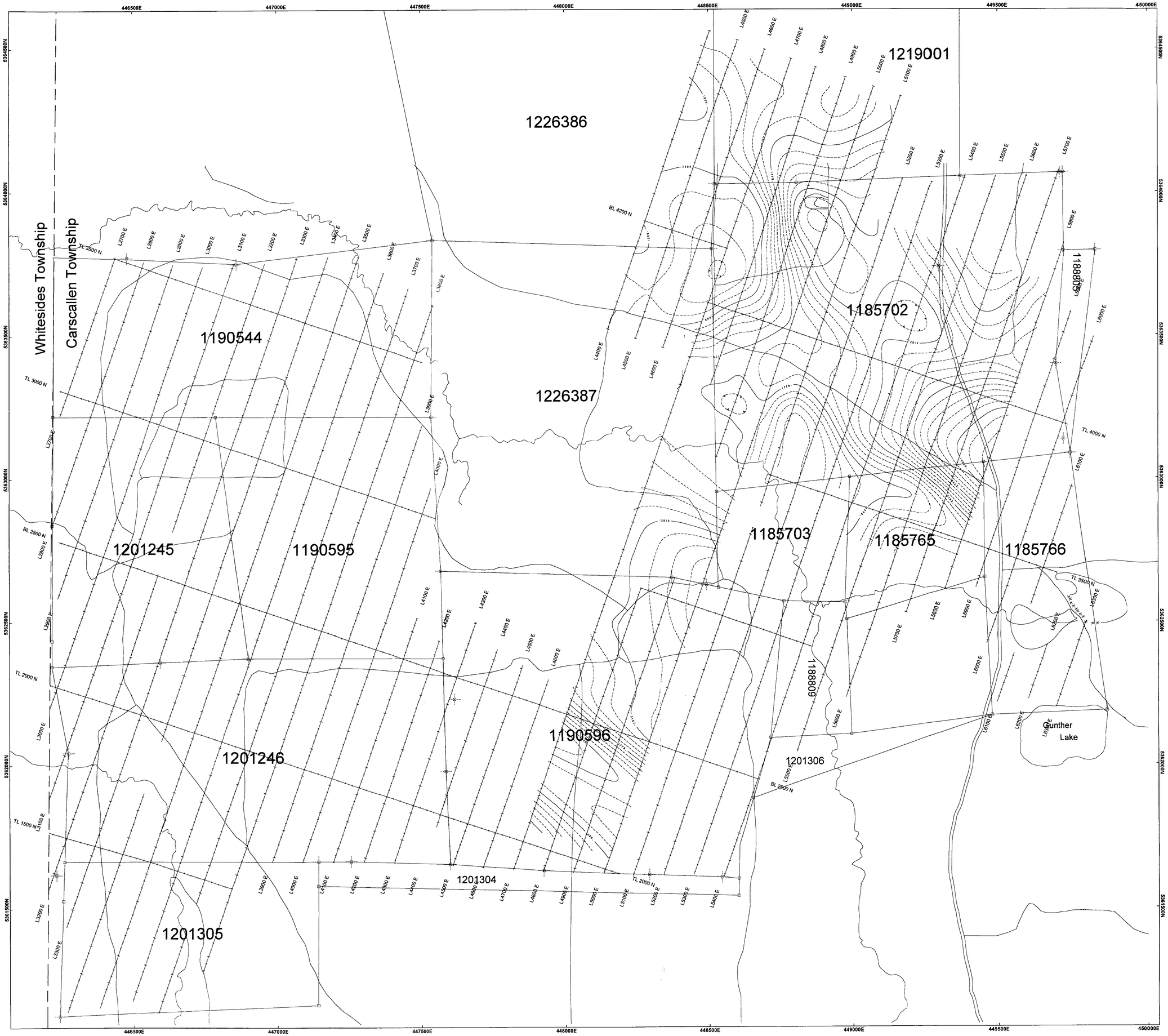
2.20394

EXPLORERS ALLIANCE CORPORATION
CARSCALLEN PROJECT (6170)
Carscallen Township, Ontario

INDUCED POLARISATION SURVEY
Geophysical Interpretation

Interpreted by:	D. Bérubé, B.Sc.	05-2000
Survey by :	M. Coulombe, Tech.	04-2000
Approved by :	M. Dubois, B.Sc.	05-2000
N.T.S. : 42A/5		Scale 1 : 5000
Project no: 00-N458B		Map no: 10

VAL D'OR SAGAX



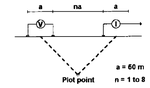
LEGEND

LOGARITHMIC CONTOUR INTERVALS

0.05

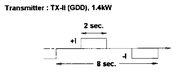
0.25

Pole-Dipole array

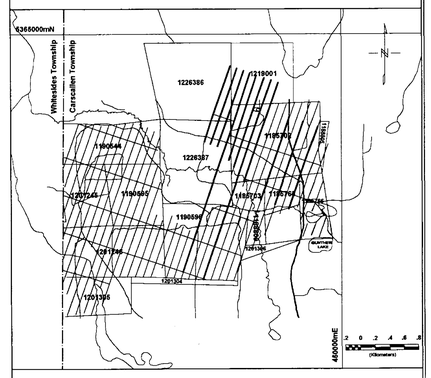


Receiver : ELREC-10 (IRIS)

Transmitter : TX-II (GDD), 1.4kW



Scale 1 : 5000



EXPLORERS ALLIANCE CORPORATION
CARSCALLEN PROJECT (6170)
Carscallen Township, Ontario

INDUCED POLARISATION SURVEY
Image2D™ Resistivity at 125m. Depth

Interpreted by:	D. Bérubé, B.Sc.	05-2000
Survey by :	M. Coulombe, Tech.	04-2000
Approved by :	M. Dubois, B.Sc.	05-2000
N.T.S. : 42A/5		Scale 1 : 5000
Project no: 00-N458B		Map no: 8.2

VAL D'OR SAGAX

Whitesides Township

Carscallen Township

1226386

1219001

1226387

1190544

1185702

1188809

1201245

1190595

1185703

1185765

1185766

1190596

1201246

1201306

Gunther Lake

1201304

1201305

446500E 447000E 447500E 448000E 448500E 449000E 449500E 450000E

5384500N 5384000N 5383500N 5383000N 5382500N 5382000N 5381500N

TL 3500 N TL 3000 N TL 2500 N TL 2000 N TL 1500 N TL 4000 N

BL 4200 N BL 2600 N

L2700 E L2800 E L2900 E L3000 E L3100 E L3200 E L3300 E L3400 E L3500 E L3600 E L3700 E L3800 E L3900 E L4000 E L4100 E L4200 E L4300 E L4400 E L4500 E L4600 E L4700 E L4800 E L4900 E L5000 E L5100 E L5200 E L5300 E L5400 E L5500 E L5600 E L5700 E L5800 E L5900 E L6000 E L6100 E L6200 E L6300 E

LEGEND

LINEAR CONTOUR INTERVALS

0.5

2.5

Pole-Dipole array

a na a

Plot point

a = 50 m

n = 1 to 8

Receiver : ELREC-10 (IRIS)

2 sec.

+Vp

8 sec.

-Vp

Transmitter : TX-II (GDD), 1.4kW

2 sec.

+I

-I

8 sec.

Scale 1 : 5000

100 0 100 200 300

metre

6365000mN

445000mE

EXPLORERS ALLIANCE CORPORATION
CARSCALLEN PROJECT (6170)
Carscallen Township, Ontario

INDUCED POLARISATION SURVEY
Image2D™ Chargeability at 125m. Depth

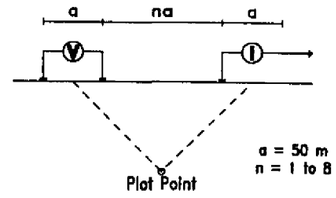
Interpreted by:	D. Bérubé, B.Sc.	05-2000
Survey by :	M. Coulombe, Tech.	04-2000
Approved by :	M. Dubois, B.Sc.	05-2000
N.T.S. : 42A/5		Scale 1 : 5000
Project no: 00-N458B		Map no: 8.3

VAL D'OR SAGAX

42A05NE2035 2.20394 CARSCALLEN 230

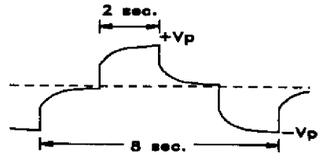
INDUCED POLARIZATION SURVEY

Pole–Dipole Array



Transmitter: TX–II (GDD), 1.4 kW

Receiver: Elrec–10 (IRIS)

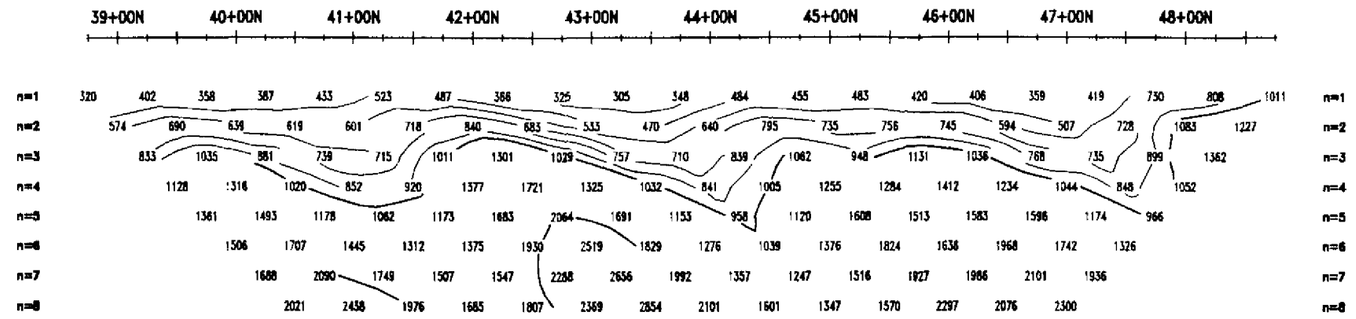


Scale 1 : 5000

50 0 50 100 150 200 250 300m

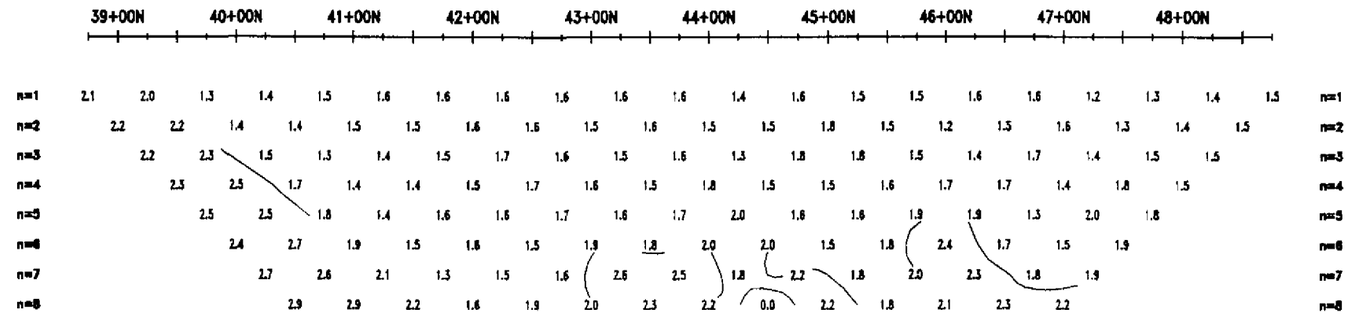
APPARENT RESISTIVITY PSEUDO SECTION

Contours: Logarithmics

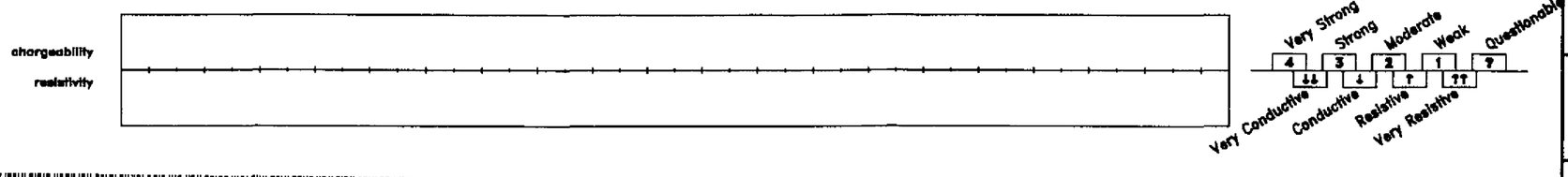


APPARENT CHARGEABILITY PSEUDO SECTION

Contours: 1



INTERPRETATION



42A05NE2035 2.20394 CARSCALLEN

240

Explorers Alliance Corporation

Carscallen Project (6170)
Carscallen Township
Ontario, Canada

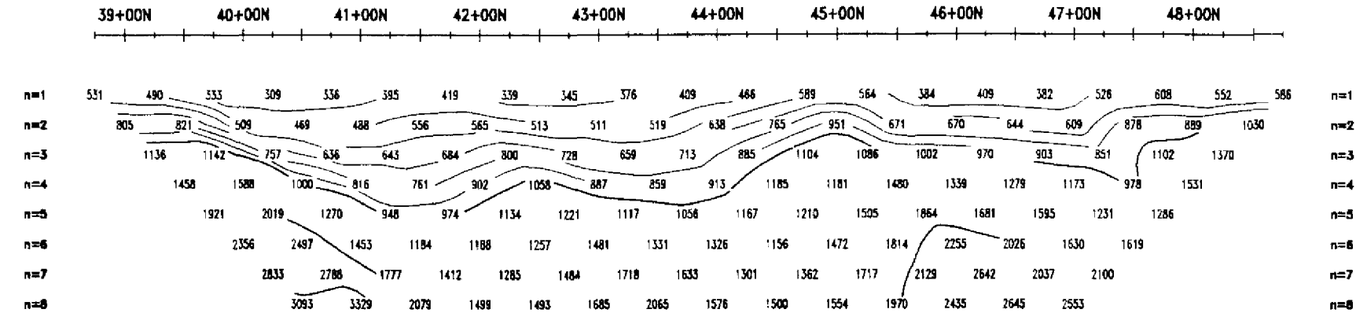
Line 4400E

Interpreted by:	Dominique Bérubé, B.Sc.
Verified by:	Martin Dubois B.Sc.
Date of survey:	April 2000
Surveyed by:	Michel Coulombe
Reference:	00N458B

VAL D'OR SAGAX

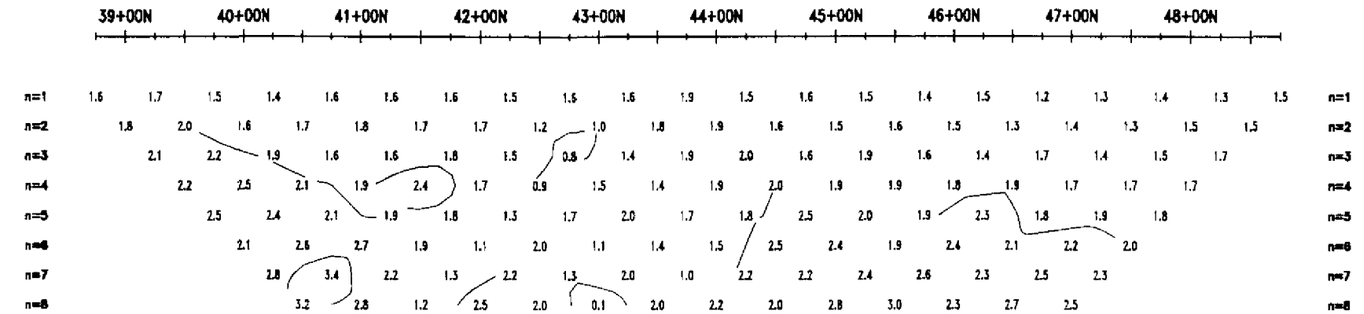
APPARENT RESISTIVITY PSEUDO SECTION

Contours: Logarithmics

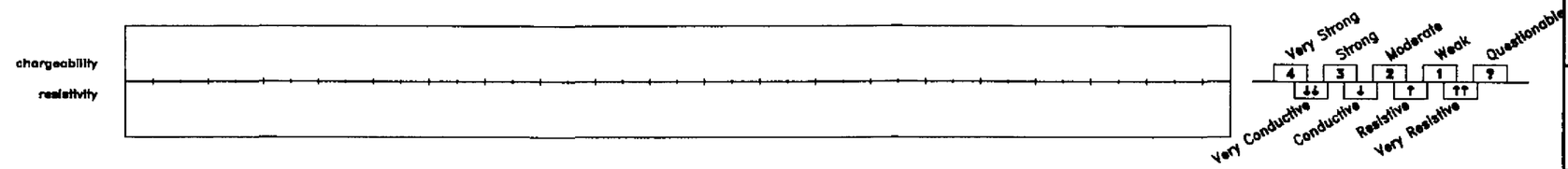


APPARENT CHARGEABILITY PSEUDO SECTION

Contours: 1

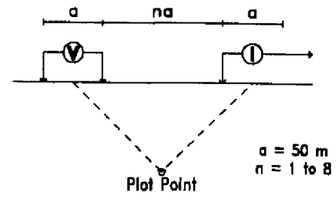


INTERPRETATION



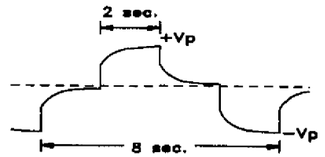
INDUCED POLARIZATION SURVEY

Pole–Dipole Array



Transmitter: TX–II (GDD), 1.4 kW

Receiver: Elrec–10 (IRIS)



Scale 1 : 5000

50 0 50 100 150 200 250 300m

Explorers Alliance Corporation

Carscallen Project (6170)
Carscallen Township
Ontario, Canada

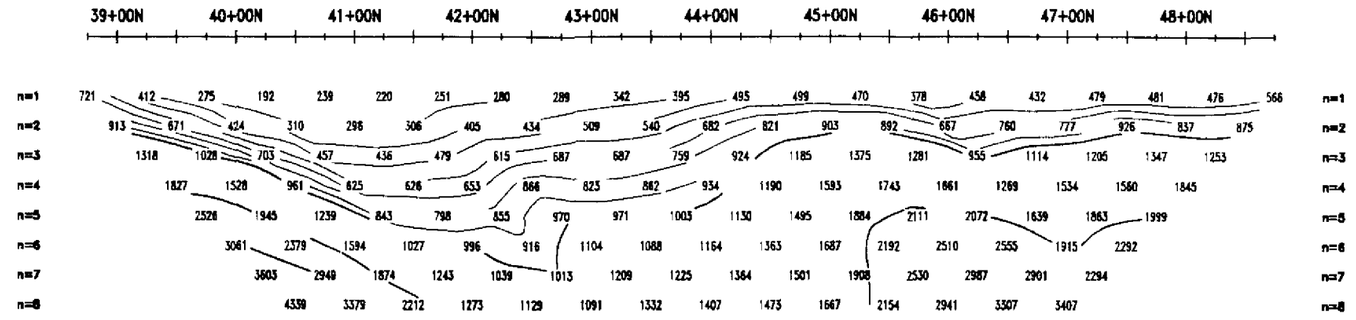
Line 4500E

Interpreted by:	Dominique Bérubé, B.Sc.
Verified by:	Martin Dubois B.Sc.
Date of survey:	April 2000
Surveyed by:	Michel Coulombe
Reference:	00N458B

VAL D'OR SAGAX

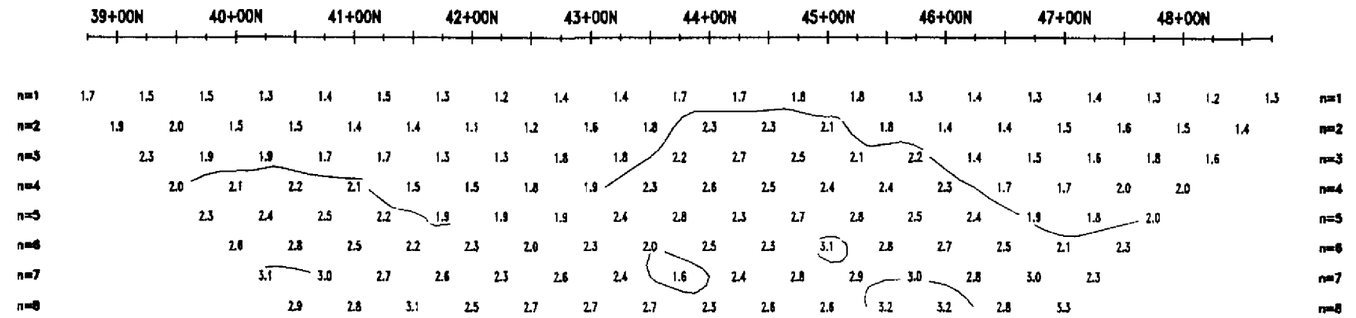
APPARENT RESISTIVITY PSEUDO SECTION

Contours: Logarithmics

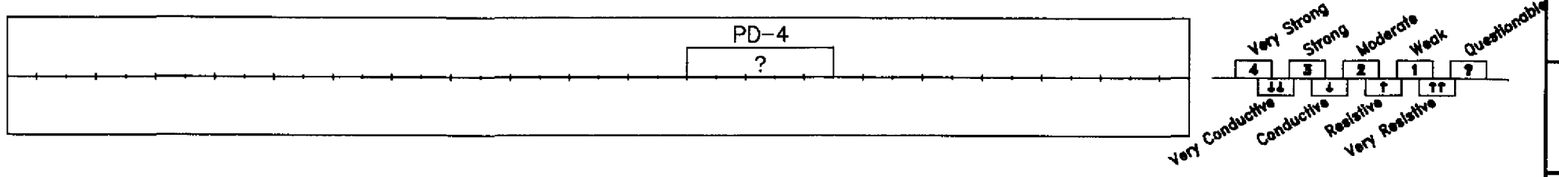


APPARENT CHARGEABILITY PSEUDO SECTION

Contours: 1

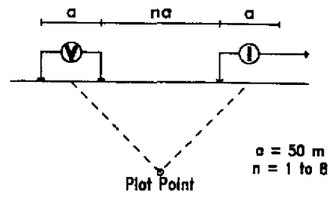


INTERPRETATION

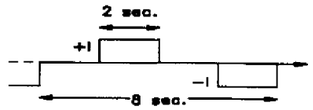


INDUCED POLARIZATION SURVEY

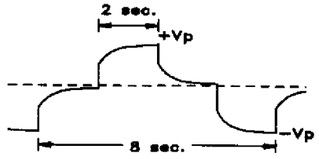
Pole–Dipole Array



Transmitter: TX–II (GDD), 1.4 kW



Receiver: Elrec–10 (IRIS)



Scale 1 : 5000

50 0 50 100 150 200 250 300m

Explorers Alliance Corporation

Carscallen Project (6170)
Carscallen Township
Ontario, Canada

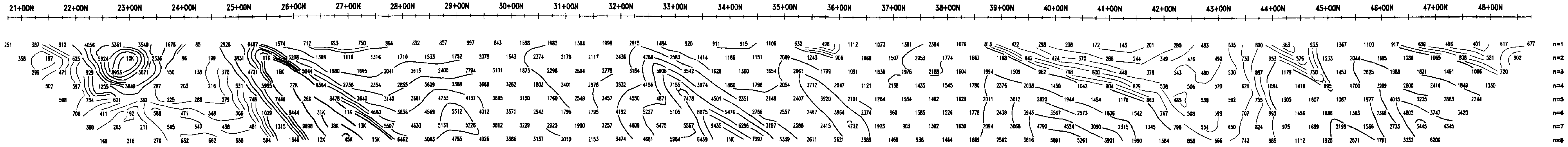
Line 4600E

Interpreted by:	Dominique Bérubé, B.Sc.
Verified by:	Martin Dubois B.Sc.
Date of survey:	April 2000
Surveyed by:	Michel Coulombe
Reference:	00N458B

VAL D'OR SAGAX

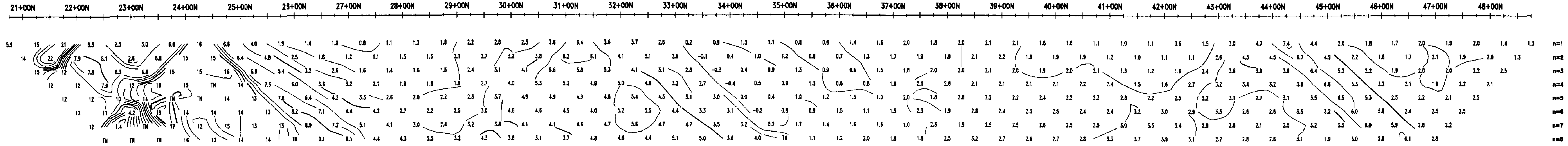
APPARENT RESISTIVITY PSEUDO SECTION

Contours: Logarithmic

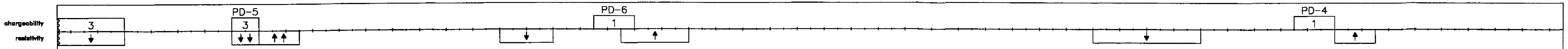


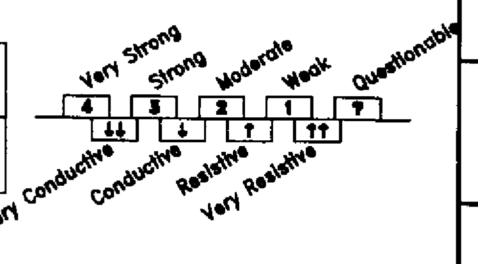
APPARENT CHARGEABILITY PSEUDO SECTION

Contours: 1



INTERPRETATION

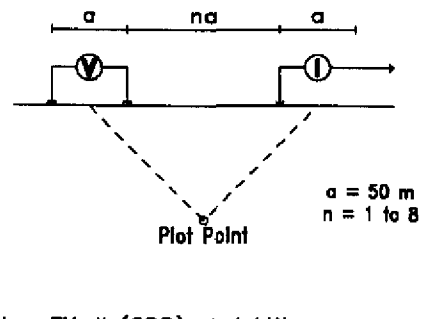




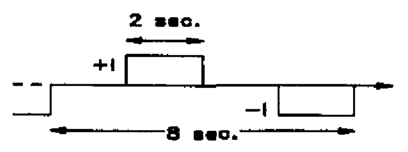
42A05NE2035 2.20394 CARSCALLEN 270

INDUCED POLARIZATION SURVEY

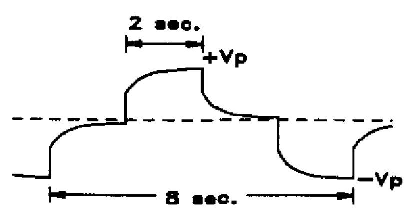
Pole-Dipole Array



Transmitter: TX-II (GDD), 1.4 kW



Receiver: Elrec-10 (IRIS)



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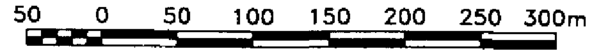


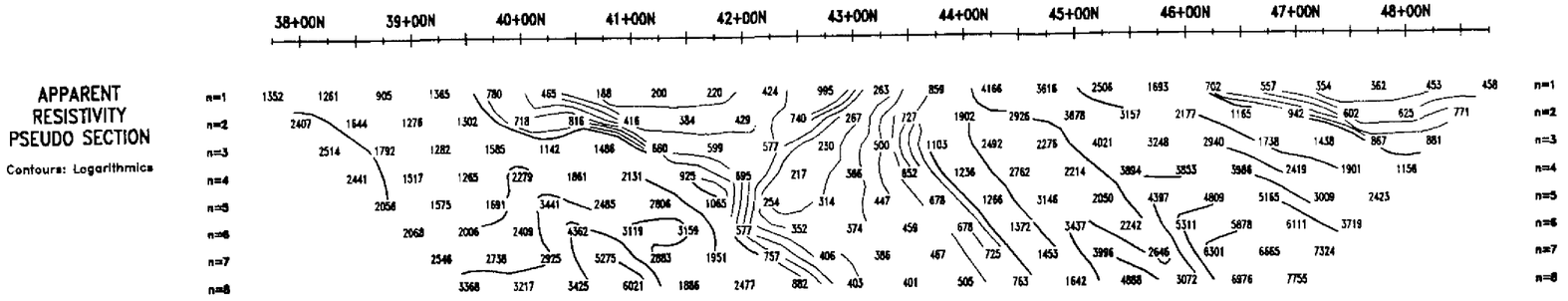
Explorers Alliance Corporation

Carscallen Project (6170)
Carscallen Township
Ontario, Canada

Line 4700E

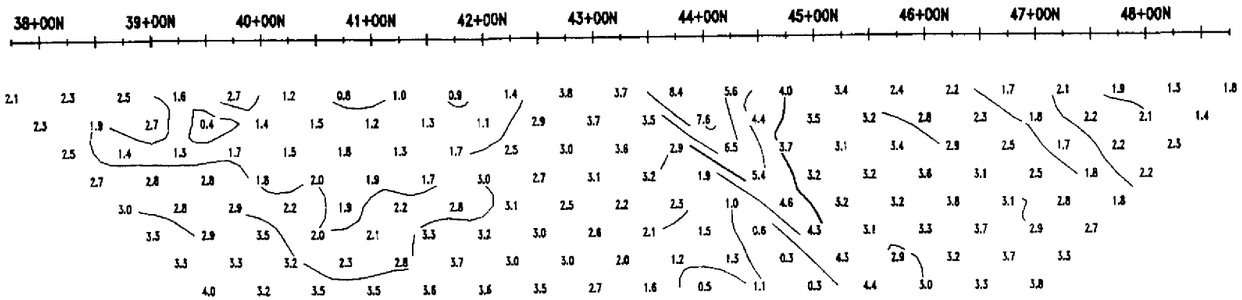
Interpreted by:	Dominique Bérubé, B.Sc.
Verified by:	Martin Dubois B.Sc.
Date of survey:	April 2000
Surveyed by:	Michel Coulombe
Reference:	00N458B

VAL D'OR SAGAX



APPARENT RESISTIVITY PSEUDO SECTION

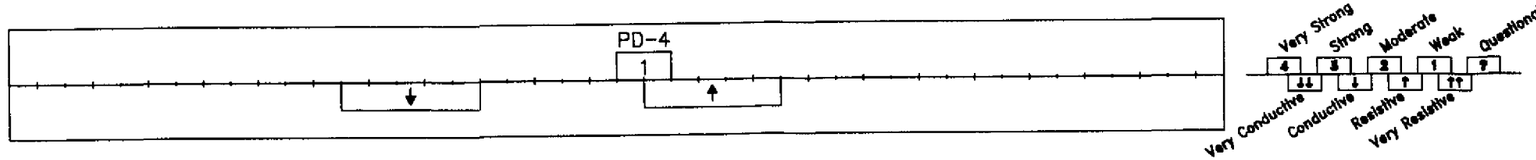
Contours: Logarithmics



APPARENT CHARGEABILITY PSEUDO SECTION

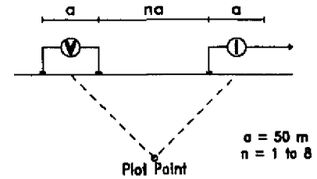
Contours: 1

INTERPRETATION



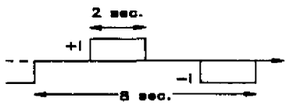
INDUCED POLARIZATION SURVEY

Pole–Dipole Array

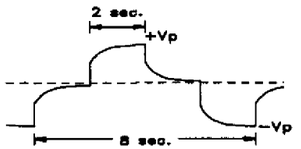


a = 50 m
n = 1 to 8

Transmitter: TX–II (GDD), 1.4 kW



Receiver: Elrec–10 (IRIS)



Scale 1 : 5000

50 0 50 100 150 200 250 300m

Explorers Alliance Corporation

Carscallen Project (6170)
Carscallen Township
Ontario, Canada

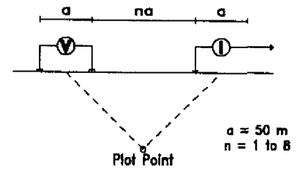
Line 4800E

Interpreted by:	Dominique Bérubé, B.Sc.
Verified by:	Martin Dubois B.Sc.
Date of survey:	April 2000
Surveyed by:	Michel Coulombe
Reference:	00N4588

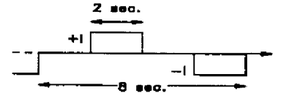
VAL D'OR SAGAX

INDUCED POLARIZATION SURVEY

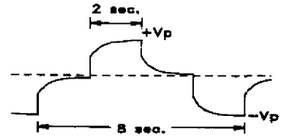
Pole–Dipole Array



Transmitter: TX–II (GDD), 1.4 kW



Receiver: Elrec–10 (IRIS)

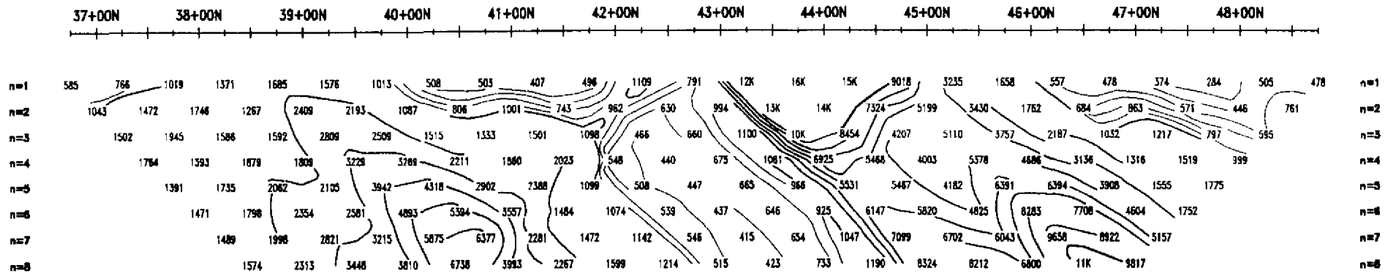


Scale 1 : 5000

50 0 50 100 150 200 250 300m

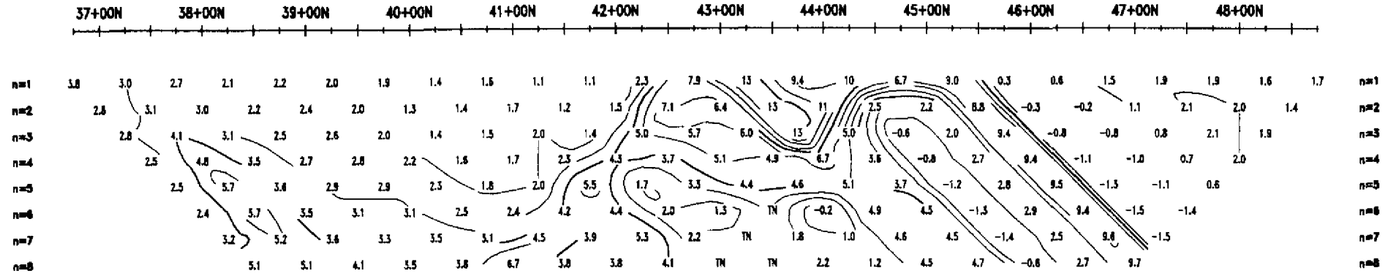
APPARENT RESISTIVITY PSEUDO SECTION

Contours: Logarithmics



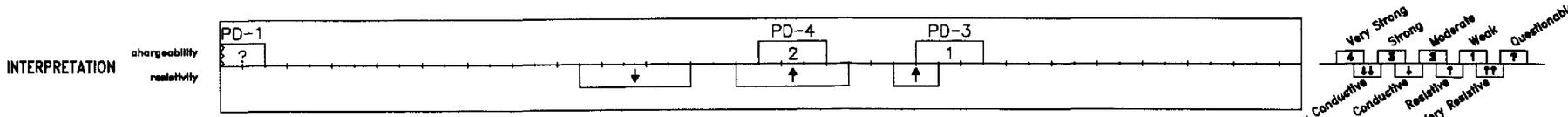
APPARENT CHARGEABILITY PSEUDO SECTION

Contours: 1



42A05NE2035 2.20394 CARSCALLEN 290

INTERPRETATION



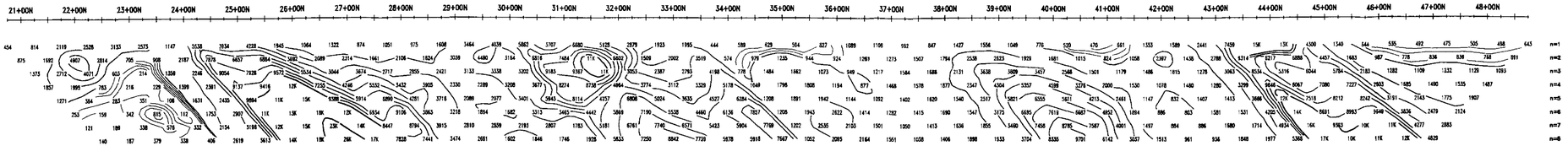
Explorers Alliance Corporation

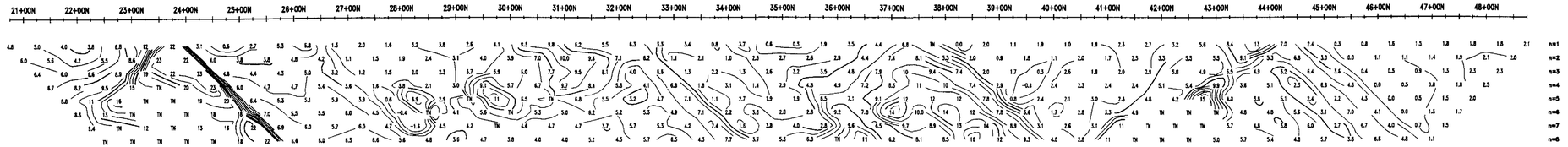
Carscallen Project (6170)
Carscallen Township
Ontario, Canada

Line 4900E

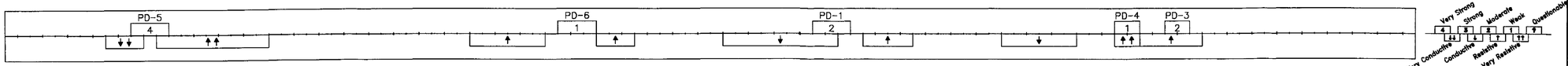
Interpreted by:	Dominique Bérubé, B.Sc.
Verified by:	Martin Dubois B.Sc.
Date of survey:	April 2000
Surveyed by:	Michel Coulombe
Reference:	00N458B

VAL D'OR SAGAX



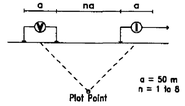


42A05NE2035 2.20394 CARSCALLEN 300

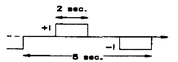


INDUCED POLARIZATION SURVEY

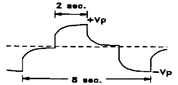
Pole-Dipole Array



Transmitter: TX-II (GDD), 1.4 kW



Receiver: Elrec-10 (IRIS)



Scale 1 : 5000

50 0 50 100 150 200 250 300m

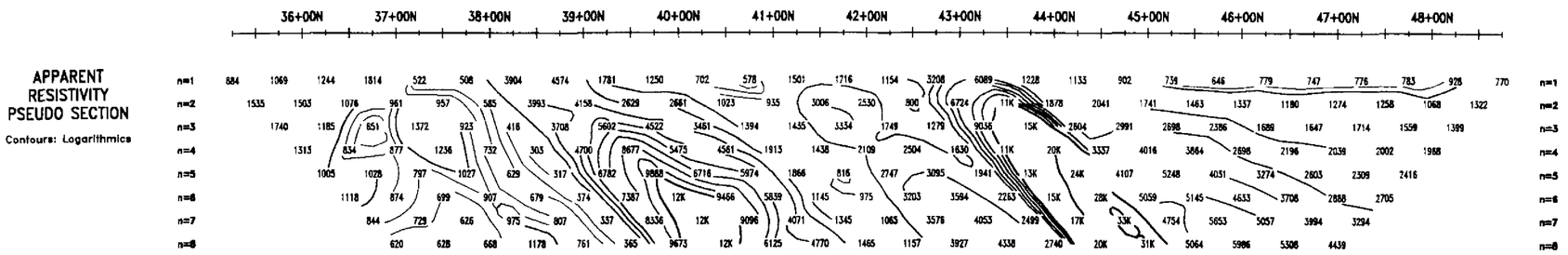
Explorers Alliance Corporation

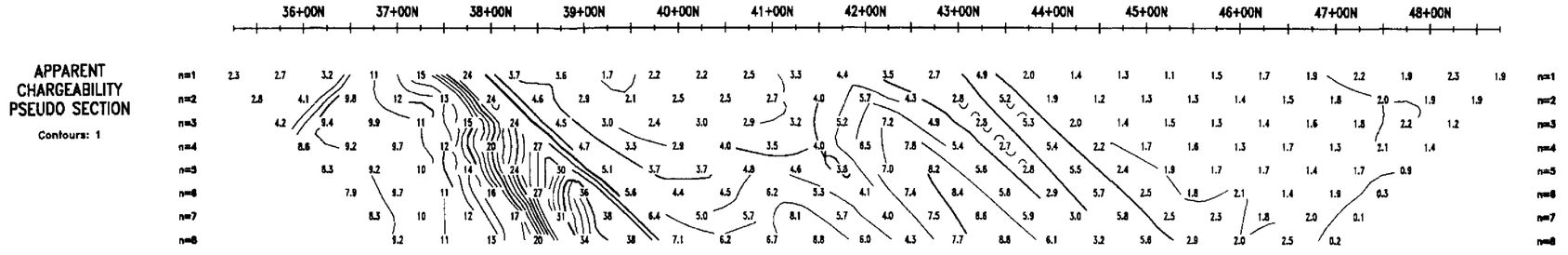
Carscallen Project (6170)
Carscallen Township
Ontario, Canada

Line 5000E

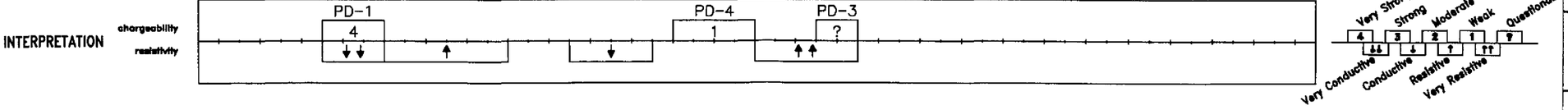
Interpreted by:	Dominique Bérubé, B.Sc.
Verified by:	Martin Dubois B.Sc.
Date of survey:	April 2000
Surveyed by:	Michel Coulombe
Reference:	00N458B

VAL D'OR SAGAX



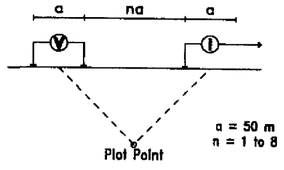


42A05NE2035 2.20394 CARSCALLEN 310

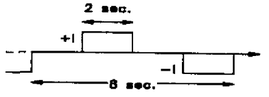


INDUCED POLARIZATION SURVEY

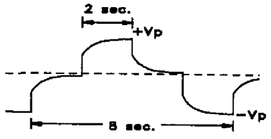
Pole-Dipole Array



Transmitter: TX-II (GDD), 1.4 kW



Receiver: Elrec-10 (IRIS)



Scale 1 : 5000

50 0 50 100 150 200 250 300m

Explorers Alliance Corporation

Carscallen Project (6170)
Carscallen Township
Ontario, Canada

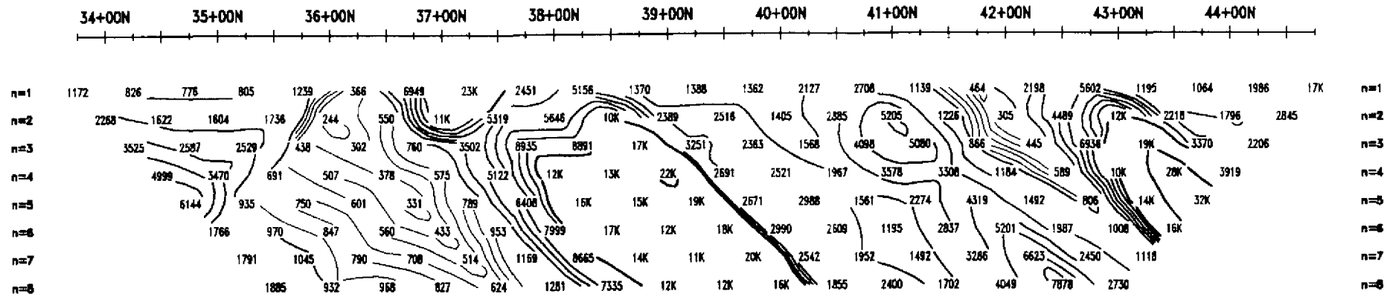
Line 5100E

Interpreted by:	Dominique Bérubé, B.Sc.
Verified by:	Martin Dubois B.Sc.
Date of survey:	April 2000
Surveyed by:	Michel Coulombe
Reference:	00N4588

VAL D'OR SAGAX

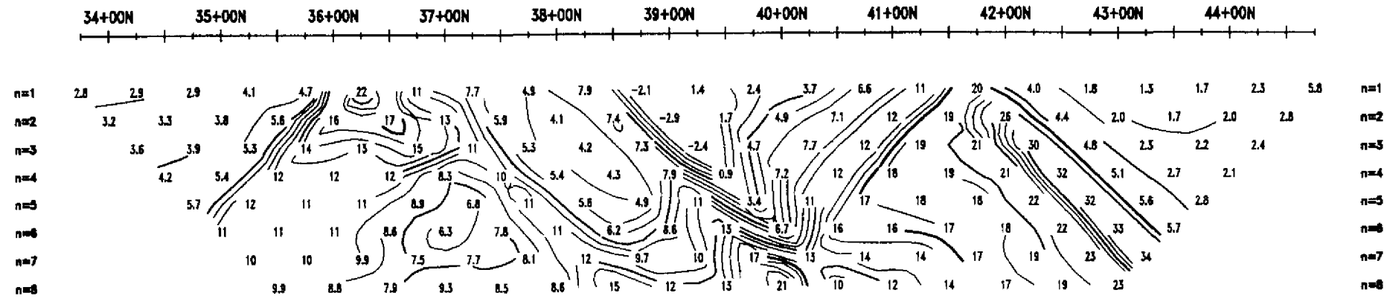
APPARENT RESISTIVITY PSEUDO SECTION

Contours: Logarithmics



APPARENT CHARGEABILITY PSEUDO SECTION

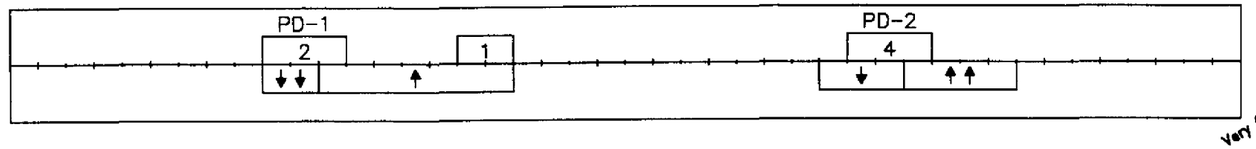
Contours: 1

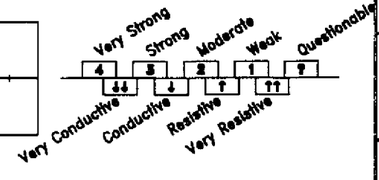


INTERPRETATION

chargeability

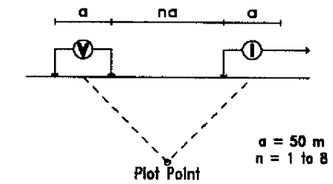
resistivity



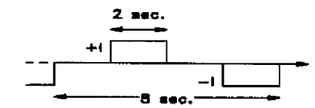


INDUCED POLARIZATION SURVEY

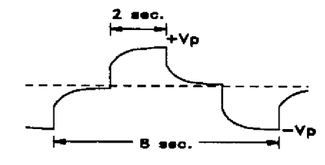
Pole-Dipole Array



Transmitter: TX-II (GDD), 1.4 kW



Receiver: Elrec-10 (IRIS)



Scale 1 : 5000

50 0 50 100 150 200 250 300m

Explorers Alliance Corporation

Carscallen Project (6170)
Carscallen Township
Ontario, Canada

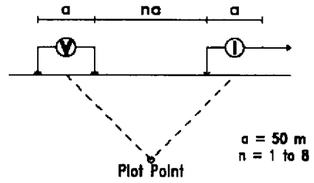
Line 5400E

Interpreted by:	Dominique Bérubé, B.Sc.
Verified by:	Martin Dubois B.Sc.
Date of survey:	April 2000
Surveyed by:	Michel Coulombe
Reference:	00N458B

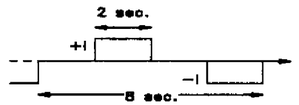
VAL D'OR SAGAX

INDUCED POLARIZATION SURVEY

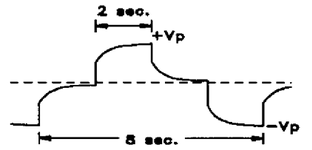
Pole–Dipole Array



Transmitter: TX-II (GDD), 1.4 kW



Receiver: Elrec-10 (IRIS)

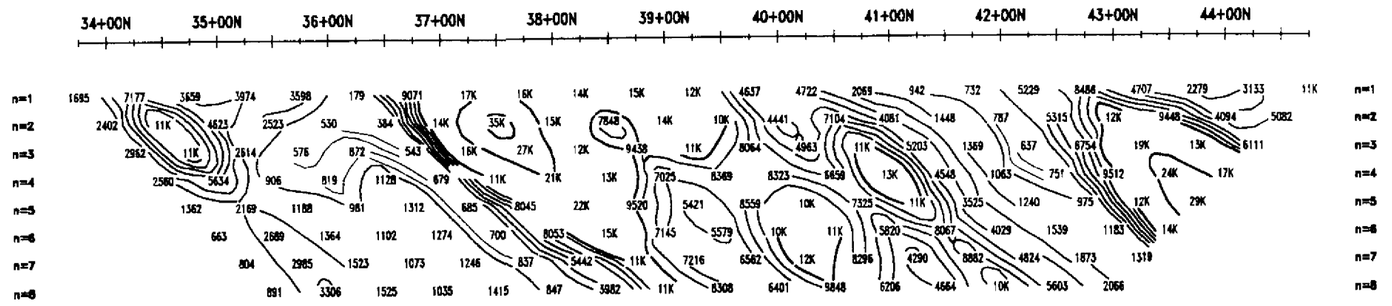


Scale 1 : 5000

50 0 50 100 150 200 250 300m

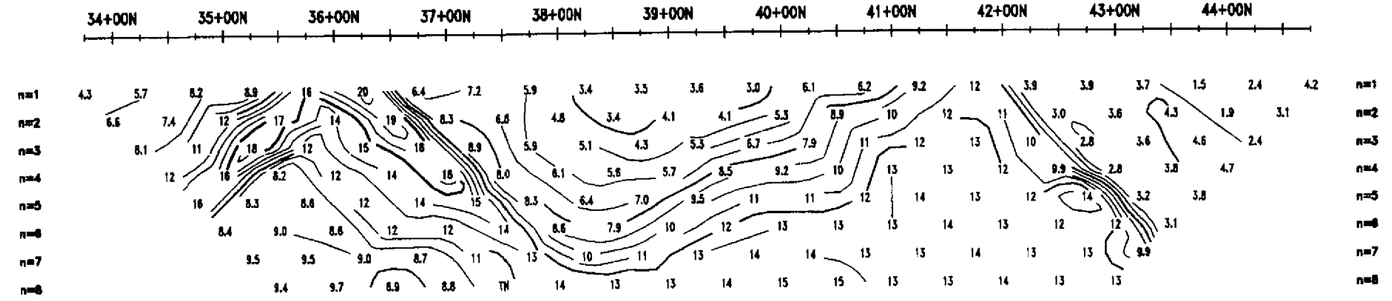
APPARENT RESISTIVITY PSEUDO SECTION

Contours: Logarithmics



APPARENT CHARGEABILITY PSEUDO SECTION

Contours: 1

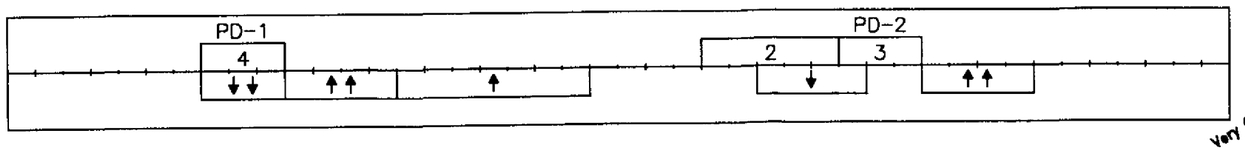


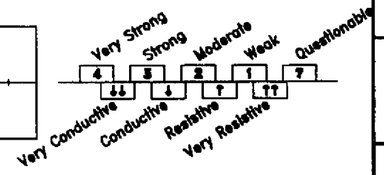
42A05NE2035 2.20394 CARSCALLEN 330

INTERPRETATION

chargeability

resistivity





Explorers Alliance Corporation

Carscallen Project (6170)
Carscallen Township
Ontario, Canada

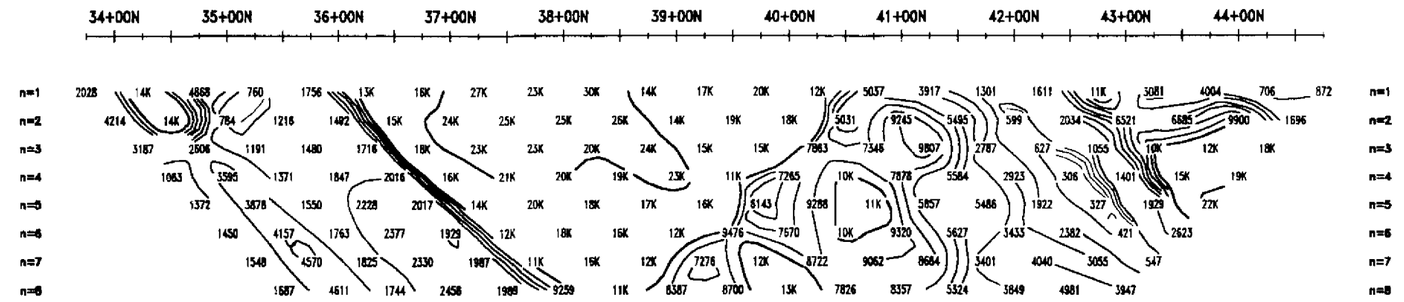
Line 5600E

Interpreted by:	Dominique Bérubé, B.Sc.
Verified by:	Martin Dubois B.Sc.
Date of survey:	April 2000
Surveyed by:	Michel Coulombe
Reference:	00N458B

VAL D'OR SAGAX

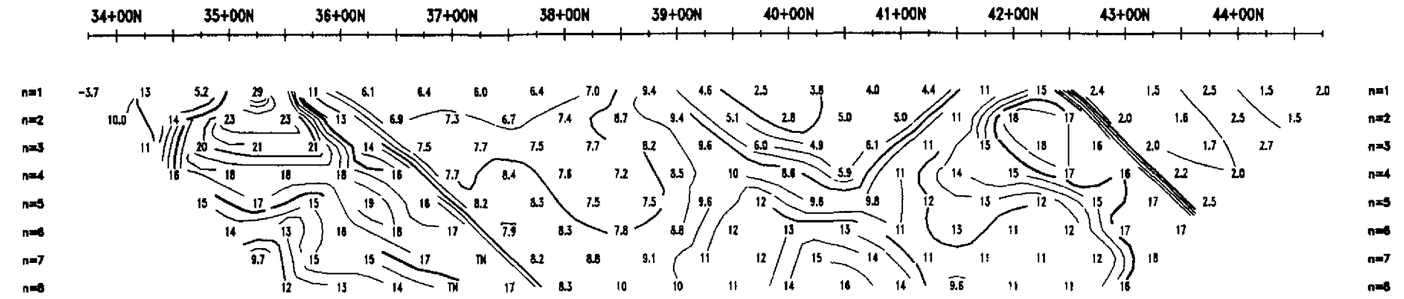
APPARENT RESISTIVITY PSEUDO SECTION

Contours: Logarithmics



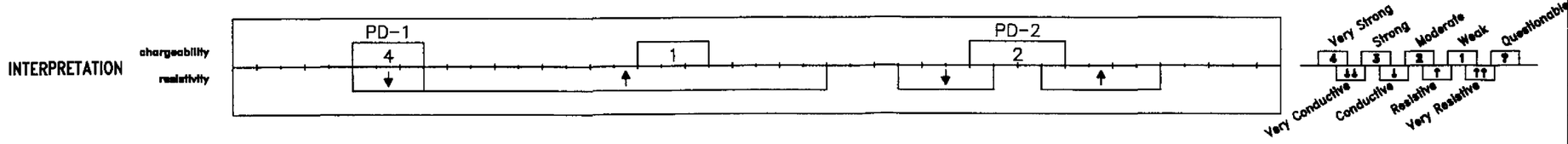
APPARENT CHARGEABILITY PSEUDO SECTION

Contours: 1



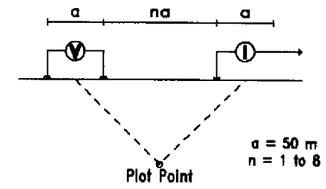
42A05NE2035 2.20394 CARSCALLEN 340

INTERPRETATION

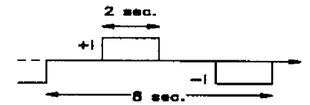


INDUCED POLARIZATION SURVEY

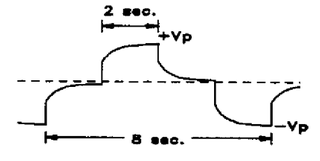
Pole-Dipole Array



Transmitter: TX-II (GDD), 1.4 kW



Receiver: Elrec-10 (IRIS)



Scale 1 : 5000

50 0 50 100 150 200 250 300m

Explorers Alliance Corporation

Carscallen Project (6170)
Carscallen Township
Ontario, Canada

Line 5800E

Interpreted by:	Dominique Bérubé, B.Sc.
Verified by:	Martin Dubois B.Sc.
Date of survey:	April 2000
Surveyed by:	Michel Coulombe
Reference:	00N458B

VAL D'OR SAGAX