



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



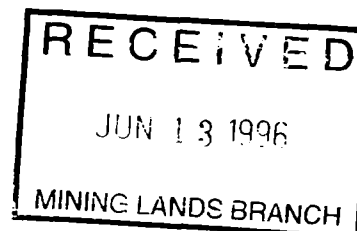
41114SE0019 2 16607 WISNER

010

GEOPHYSICAL SURVEYS
Property of
FALCONBRIDGE LIMITED
Wisner - Footwall
and Ryanor Projects
Wisner and Bowell Townships
Province of Ontario
April 1996

P. Boileau D. Lapointe

Qual# 2.12462



2.16607

96-002

FALCONBRIDGE LIMITED

SUMMARY

In March and April 1996, induced polarization and horizontal loop EM surveys were performed respectively on the Wisner - Footwall and Ryanor properties owned by **FALCONBRIDGE LIMITED** in Wisner and Bowell Townships, Sudbury area, Province of Ontario.

Several weak to moderate I.P. anomalous zones were detected on the **WISNER - FOOTWALL Project** whereas one strong HEM conductor was outlined on the **RYANOR Project**.

Recommendations for further work consist of detail geological mapping on the **WISNER - FOOTWALL Project** and of complementary HEM, DEEPEM or I.P. survey on the **RYANOR Project**, followed, if warranted, by diamond drilling on both projects.



41114SE0019 2 16607 WISNER

010C

TABLE OF CONTENTS

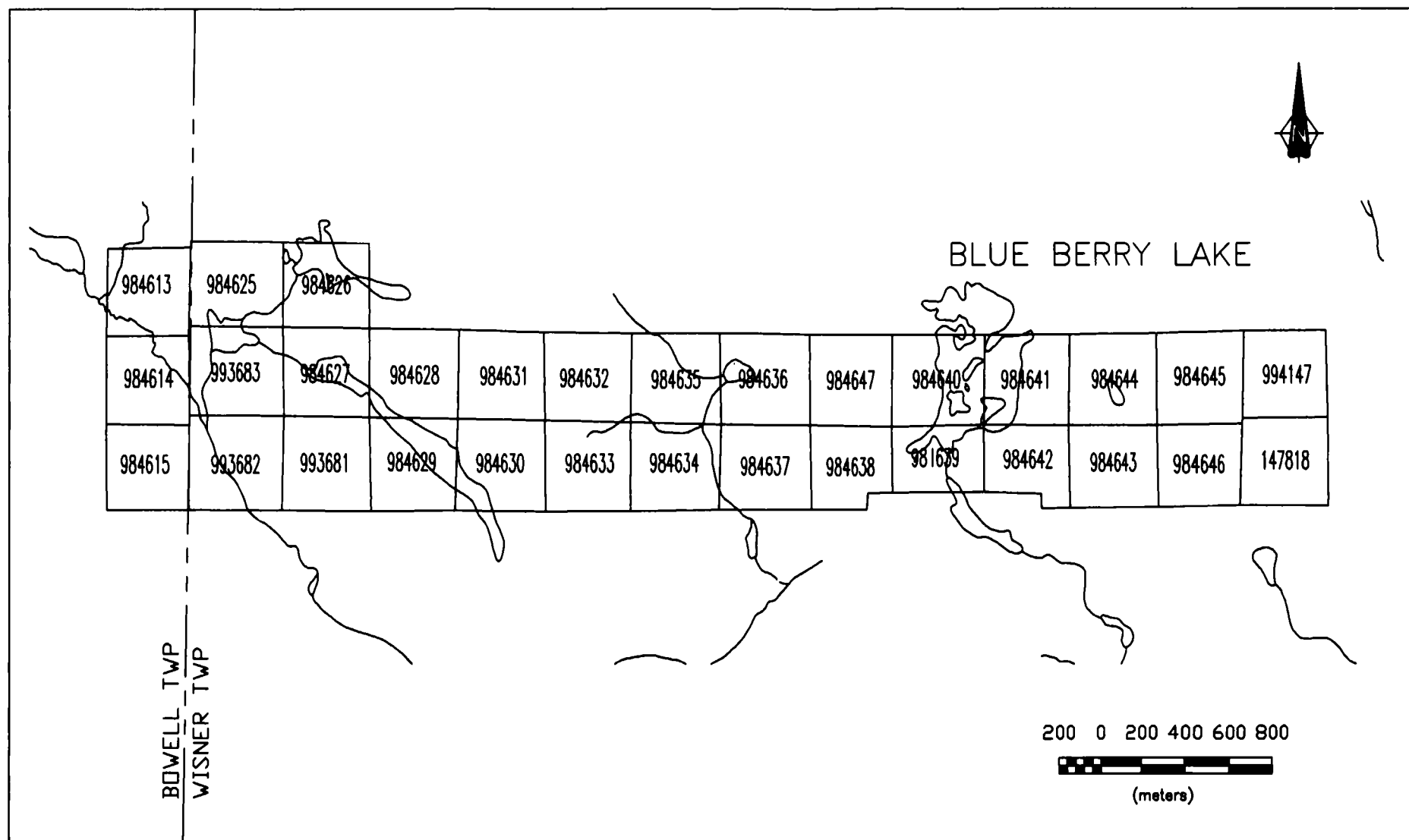
	Page
Summary	
Table of contents.....	i
Introduction.....	1
Property, location and access.....	1
Geophysical survey.....	1
Survey specifications and instrumentation.....	2
Results and interpretation.....	3
Conclusion and recommendations.....	5
Certificates.....	6-7

FIGURES:

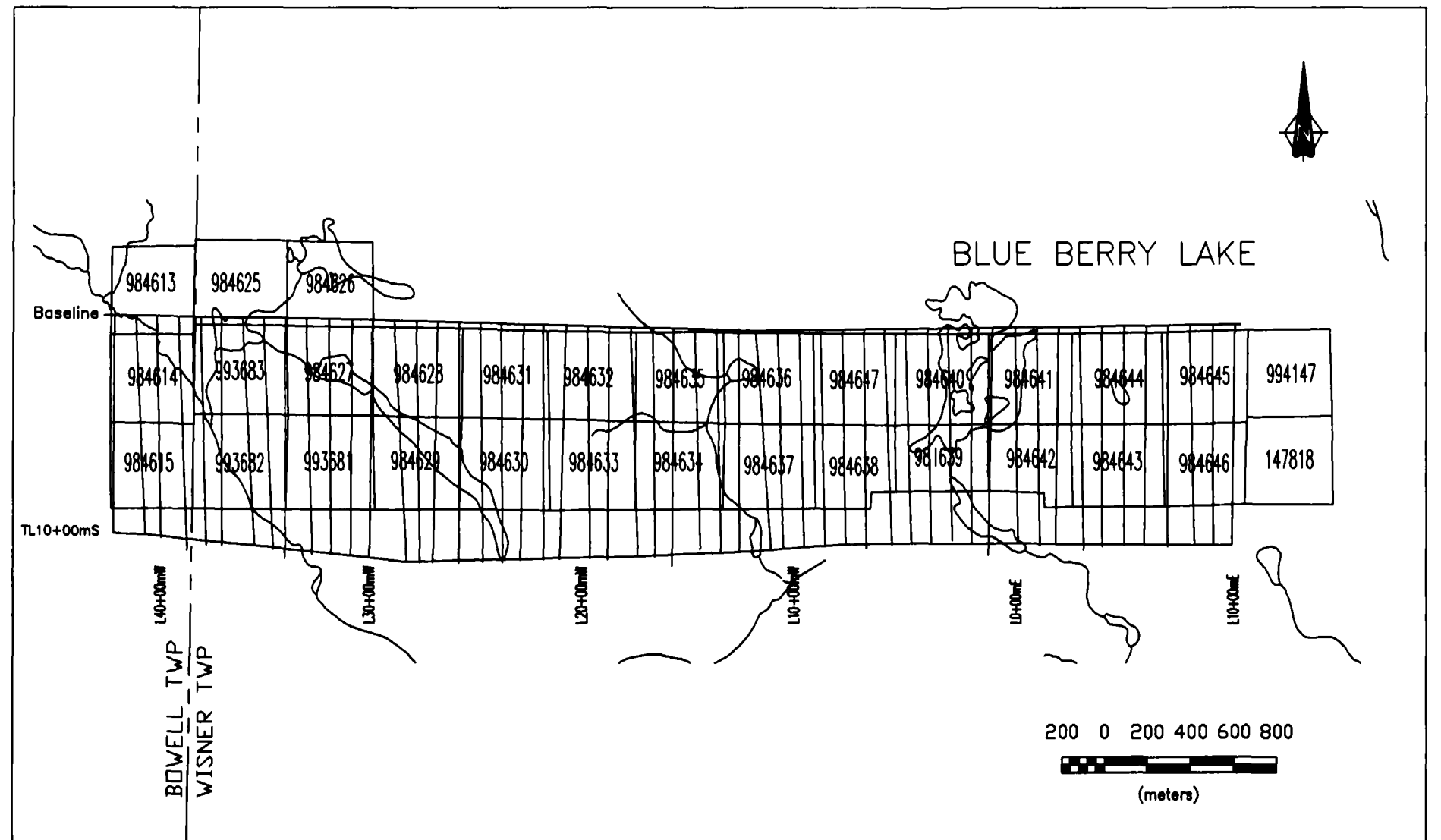
Figure #1: Index of claims (Wisner - Footwall Projects).....	ii
Figure #2: Survey area (Wisner - Footwall Projects).....	iii
Figure #3: Index of claims and survey area (Ryanor Project).iv	iv

MAPS:

DRAWING NO.	HORIZONTAL-LOOP-EM SURVEY
3.2	440 Hz - Profiles
3.4	1760 Hz - Profiles
3.5	3520 Hz - Profiles
DRAWING NO.	INDUCED POLARIZATION SURVEY
4.2	Resistivity contours (Filtre)
4.3	Chargeability contours (Filtre)



FALCONBRIDGE LTD
WISNER - FOOTWALL Project
Figure #1: Index of claims



FALCONBRIDGE LTD
WISNER - FOOTWALL Project
Figure #2: Survey area

INTRODUCTION

In March and April 1996, induced polarization and horizontal-loop EM surveys were carried out respectively on two properties owned by FALCONBRIDGE LTD, namely the WISNER - FOOTWALL and RYANOR Projects, located in Wisner and Bowell Townships, Province of Ontario.

The surveys were designed to locate geophysical anomalies potentially caused by sulphide-rich zones favorable for precious and/or base metal deposits.

PROPERTY, LOCATION AND ACCESS

The WISNER - FOOTWALL and RYANOR Projects are located approximately 40 kilometres north of Sudbury, in Wisner and Bowell Townships, Province of Ontario. The survey area is accessible in winter from Sudbury to the north via secondary roads (89 and 96), first by truck and then by snowmobile.

The mineral exploration permits are owned by FALCONBRIDGE LTD and are registered with the Ministry of Northern Development and Mines of Ontario. These permits are presented in Figures #1 and #3 of this report.

GEOPHYSICAL SURVEY

From March 19th to April 5th 1996, 46.0 line-kilometres of induced polarization survey were performed on the WISNER - FOOTWALL Project (Figure #2).

Also, 5.0 line-kilometers of horizontal-loop EM survey were executed on the small Ryanor claim block immediately to the south (Figure #3).

SURVEY SPECIFICATIONS AND INSTRUMENTATION

The geophysical surveys were carried out along two networks of N-S picket lines, spaced every 100 metres or 50 m and chained with stations marked every 25 metres.

The induced polarization and resistivity survey was conducted with an IP-6 time-domain receiver manufactured by BRGM (IRIS) and with an IPT-1 transmitter using a 1,0 kW MG-1 motor generator. A pole-dipole array was used with a 50 metre electrode separation (a). Primary voltage and chargeability effects were measured every 25 metres for dipole separations (n) of 1 to 4 with precisions of 0,1 mV and 0,1 mV/V respectively.

The horizontal-loop EM survey (HEM) was carried out with an Apex Parametrics MAXMIN I system, which was used in the horizontal coplanar loop mode with a 150 metre separation between the transmitting and receiving coils. Readings were taken at 25 metre intervals along the lines. The instrument is capable of operating on nine different frequencies of which 440 Hz, 1760 Hz and 3520 Hz were selected. In this type of survey, both in-phase and out-of-phase components of the secondary field are measured and are recorded as percentages of the primary field with a precision of 1%.

RESULTS AND INTERPRETATION

a) Induced Polarization survey (Wisner - Footwall Property)

The apparent resistivities measured on the property are generally high and likely representative of shallow bedrock with readings often ranging between 5000 and more than 30 000 ohm.m. The narrow oriented zones of slightly lower resistivity traversing the grid following a N.NW-S.SE orientation are often associated with topographical features such as creeks and lakes and could then be related to structural elements.

On the other hand, the chargeability effects collected during the survey present a moderate background of 3 to 9 mV/V with readings reaching locally more than 20 mV/V.

The survey detected several weak to moderate anomalous responses which are often characterized by moderate to locally strong chargeability effects associated with very little or no resistivity decreases.

The best responses were detected at the southern end of lines 3300W to 2600W where strong chargeability effects of 15 to 30 mV/V seem to constitute two short anomalous zones showing a general E-W orientation. Another group of three anomalies characterized by moderate chargeability effects of 10 to 18 mV/V associated this time with weak resistivity decreases was also outlined at the northern end of lines 900W to 700W.

Two isolated responses, also of interest, detected on lines 2500W and 1500W, present chargeability effects of 8 to 12 mV/V associated with weak resistivity decreases.

As for the other weaker responses, they are usually characterized by chargeability effects of less than 10 mV/V rarely associated with weak resistivity decreases and constitute rather short isolated anomalous zones showing NE-SW to NW-SE orientations.

b) Horizontal-loop EM survey (Ryanor Property)

The survey detected in the western part of the grid a strong conductive zone showing a W.NW-E.SE orientation. As a matter of fact, the strong amplitude responses obtained on lines 3450E and 3500E and present on the three frequencies used indicate likely a double conductor of very high conductance (> siemens) located at a depth inferior to 20 m.

As for the peculiar and unusual response obtained on line 3800E between TL 1800N and 1850N, except for an instrumental defectuosity which is always possible, only a small near-surface conductor or a cultural effect could explain it; a verification should be done over this response with another instrument and cable.

Finally, the in-phase responses with no out-of-phase signature picked-up on line 3850E at 1875N is thought to be caused partly by topographical effects, but could also be produced by a deep very strong conductor; this response should also be checked by other geophysical methods (IP, DEEPEM).

CONCLUSION AND RECOMMENDATIONS

The induced polarization and resistivity survey executed on the WISNER - FOOTWALL Project detected several weak to moderate anomalous responses characterized by moderate to locally strong chargeability effects rarely associated with very weak resistivity decreases.

On the other hand, the HEM survey executed on the RYANOR Project outlined one strong shallow conductive zone.


It is recommended to execute on the WISNER - FOOTWALL Project, where the bedrock likely outcrops in many places, a detail geological survey in order to try to explain the best IP responses.

On the RYANOR Property, a few complementary HEM, IP or DEEPEM profiles could allow to verify the uncertain responses detected in the east part of this grid.


Recommendations for further work on both grids should consist of diamond drilling to test, if warranted, the best geophysical responses.

Respectfully submitted,
VAL D'OR GEOPHYSICS LIMITED

by:


Pierre Boileau, P. Eng.
Geophysicist

and by:


Daniel Lapointe
Geologist

CERTIFICATE

I, undersigned, Pierre Boileau, P. Eng., certify that:

I reside at 1725 Duchesne, Val d'Or, Quebec, since 1981.

I am a graduate of Ecole Polytechnique, Universite de Montreal, Quebec where I have obtained a B.Sc.A. in Geological engineering in 1971.

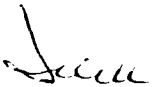
I have been engaged in Exploration Geophysics since 1968 and have been practicing as a professional engineer since 1971.

I am a member of the Ordre des Ingenieurs du Quebec, the Quebec Prospector Association, the Prospector & Developers Association of Canada, the Society of Exploration Geophysicist and the Canadian Institute of Mining & Metallurgy.

This report is based on the information contained in the survey described. The interpretation of the data was made using methods known in the literature and based on my personal experience.

I have not received, nor do I expect to receive directly or indirectly any interest in the property that belongs to **FALCONBRIDGE LIMITED**.

Signed in Val-d'Or, this April 26th, 1996.


Pierre Boileau
Consulting Geophysicist



CERTIFICATE

THIS IS TO CERTIFY THAT:

I have resided at 603 du Portage, Val d'Or, Province of Québec since 1989.

I am a qualified Geologist, having received my academic training at the University of Ottawa in Ottawa, Ontario (B.Sc.H. 1982) and Université Laval in Ste-Foy, Québec with an M.Sc. degree (1985).

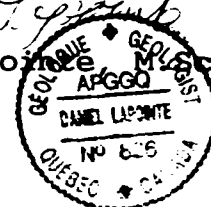
I am a member of the Association Professionnelle des Géologues et Géophysiciens du Québec (APGGQ), the Prospectors Association of Québec (APQ) and the Geological Society of America.

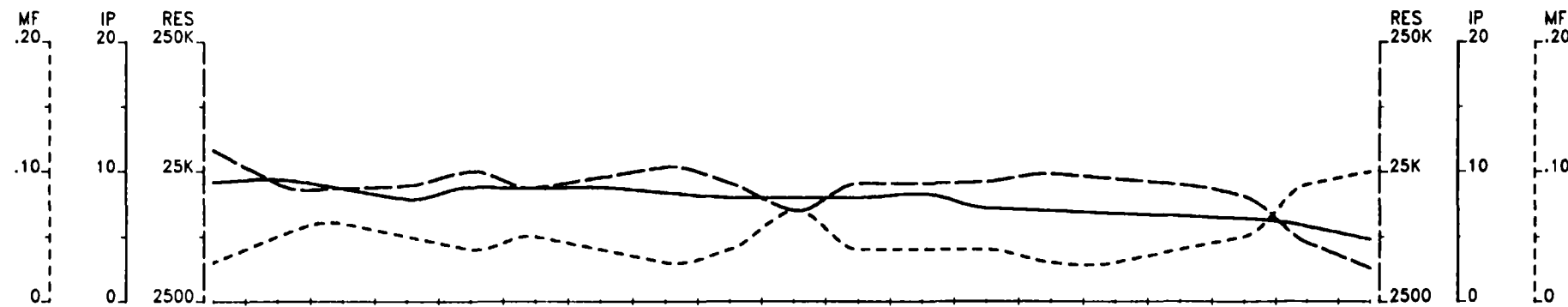
I have been engaged in my profession for the last 10 years.

I have not received or expect to receive an interest, direct or indirect, in the property of **FALCONBRIDGE LIMITED**, nor beneficially own, directly or indirectly, any securities of that company. I am not an insider or a company having an interest in the subject property nor any other property in the immediate area.

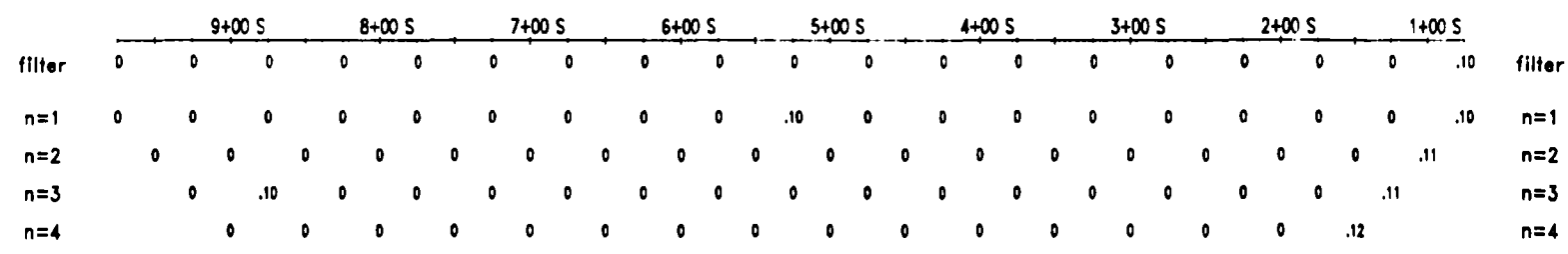
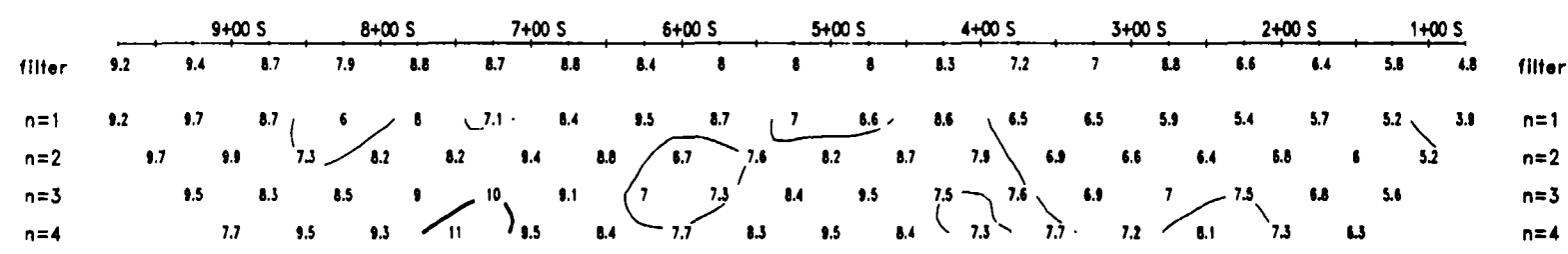
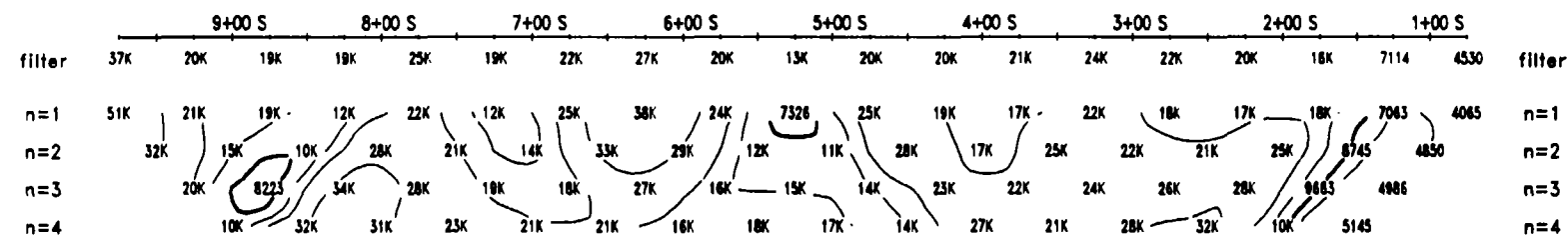
Signed in Val-d'Or, this April 26th, 1996.

Daniel Lapointe
Daniel Lapointe
Geologist





Road @ 925S



TOPOGRAPHY

RESISTIVITY (Ohm * m)

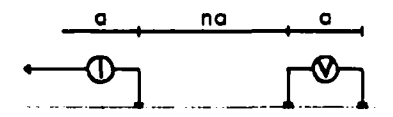
CHARGEABILITY (mV/V)

INTERPRETATION

METAL FACTOR (ip/res * 100)

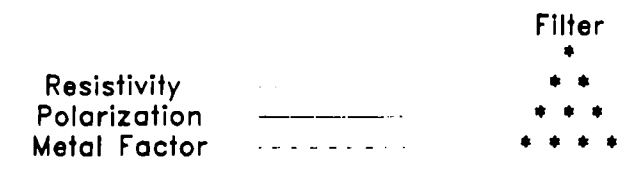
Line 4200 W

Pole-Dipole Array



a = 50 M
n = 1, 2, 3, 4
plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1,BRGM IP-6
Time cycle: 2 sec.
Operator: Mario Blain

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

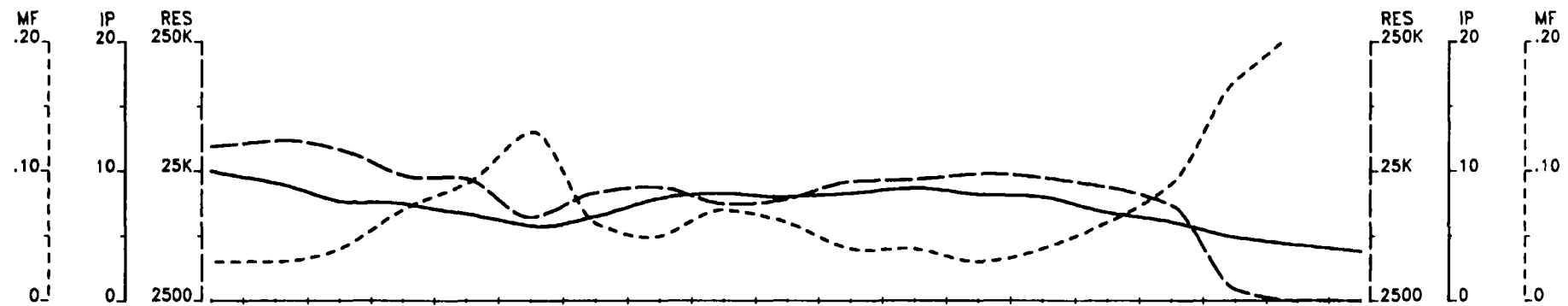
Induced Polarization Survey

FALCONBRIDGE LTD

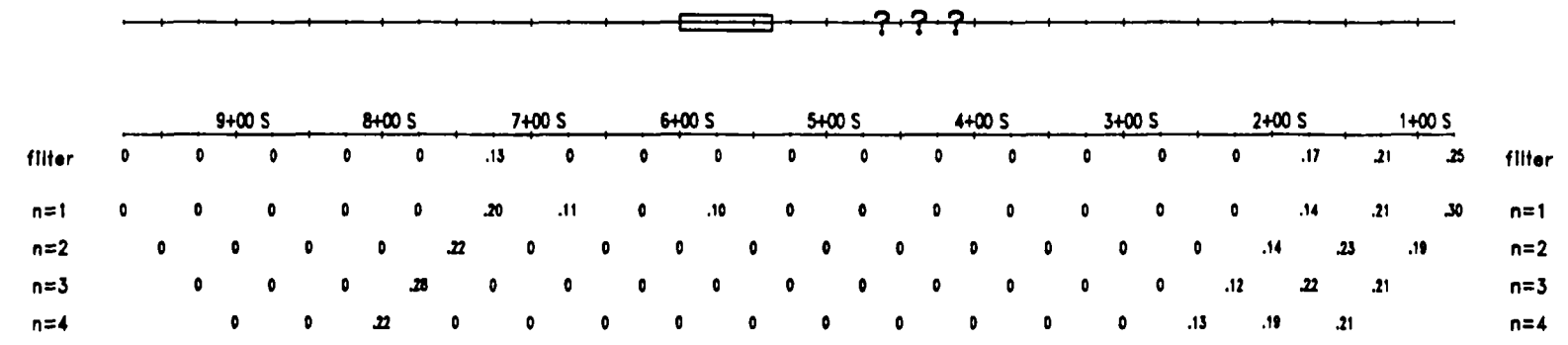
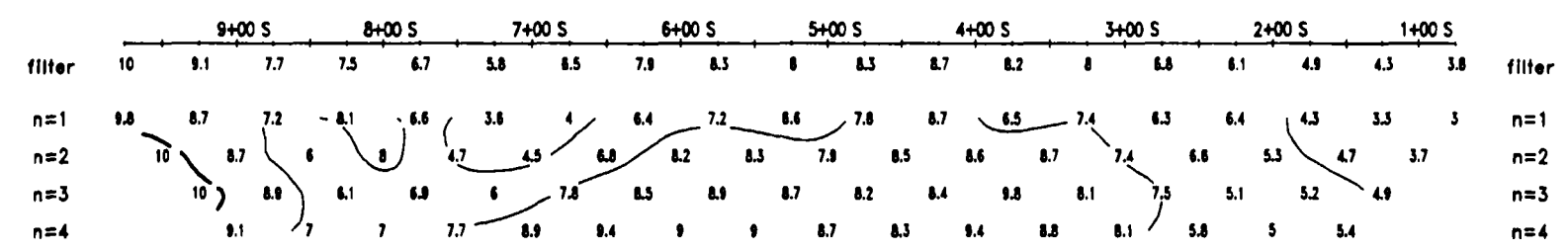
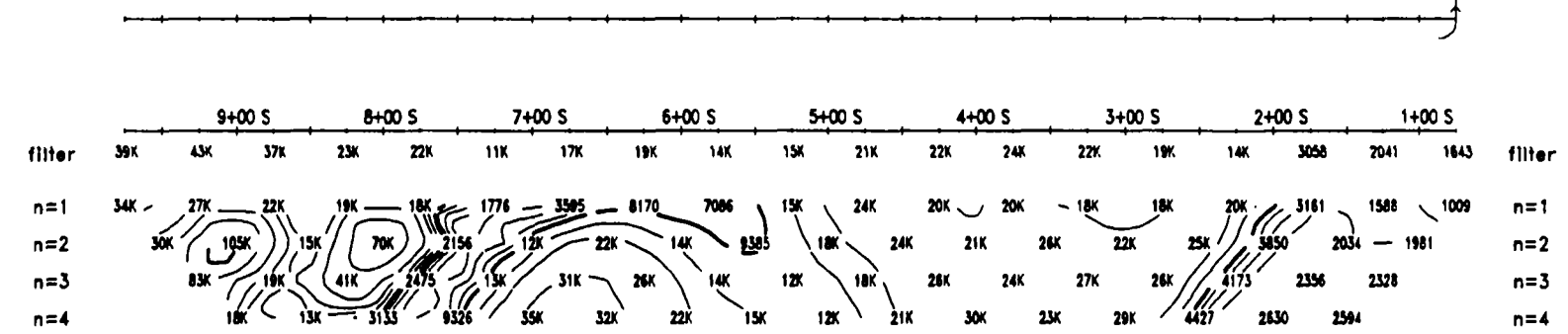
Wisner - Footwall Project
Wisner Township

Date: 96/04/11
Interpretation by: P. Bolleau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.

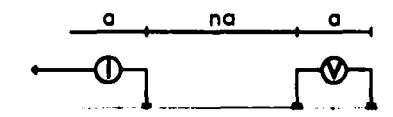


Road
@ 975S



Line 4100 W

Pole-Dipole Array



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10, ..

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Mario Blain

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

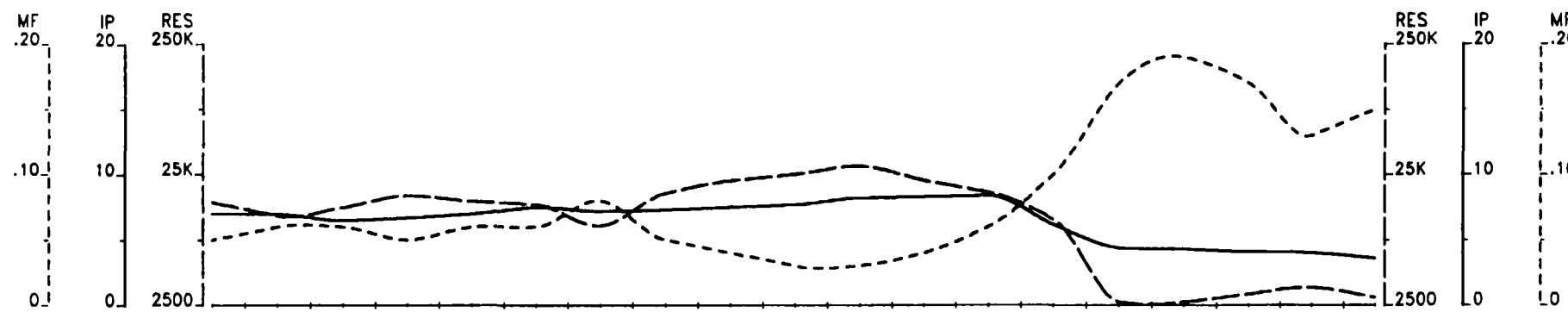
Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project
Wisner Township

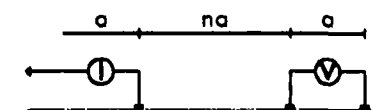
Date: 96/04/11
Interpretation by: P. Bolleau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.



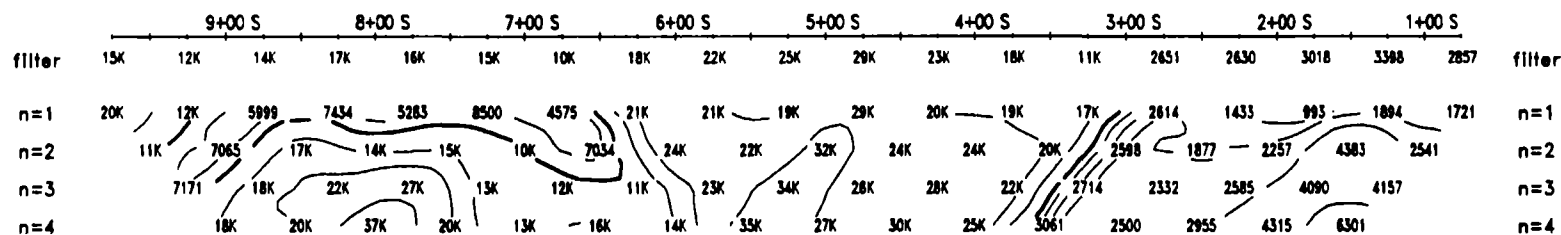
Line 4000 W

Pole-Dipole Array



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

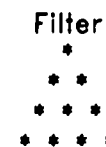
TOPOGRAPHY



RESISTIVITY
(Ohm * m)

Filtered Profiles

Resistivity
Polarization
Metal Factor



Logarithmic Contours

1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6

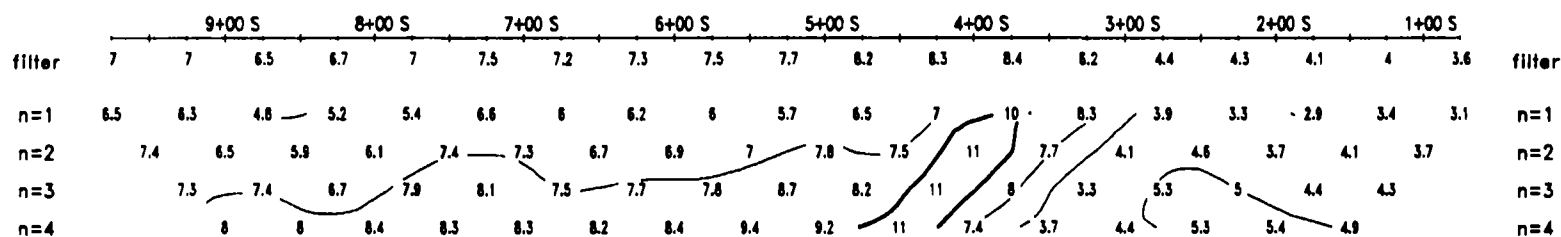
Time cycle: 2 sec.

Operator: Mario Blain

INTERPRETATION

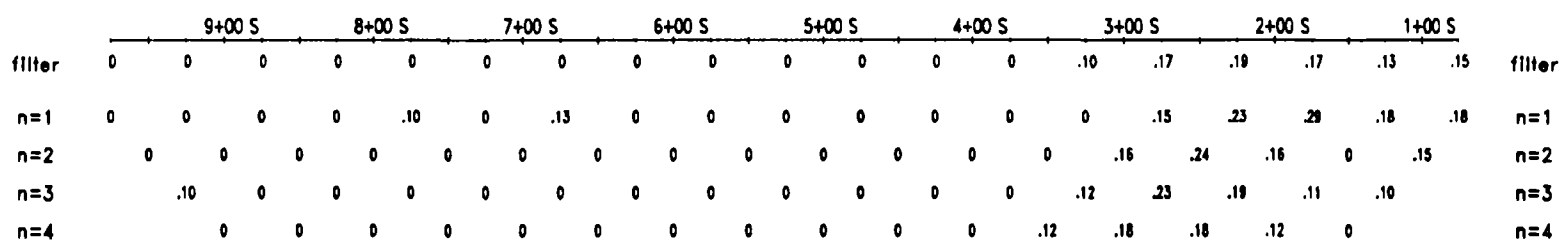
- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

CHARGEABILITY
(mV/V)



INTERPRETATION

METAL FACTOR
(ip/res * 100)



Induced Polarization Survey

FALCONBRIDGE LTD

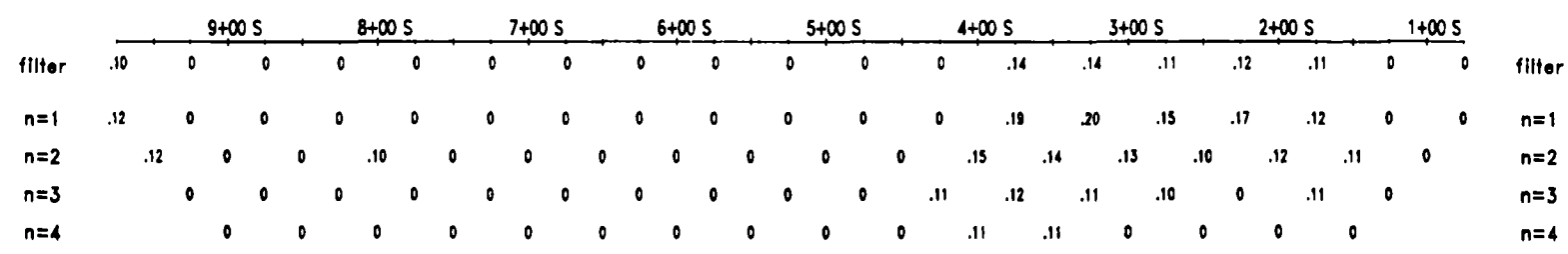
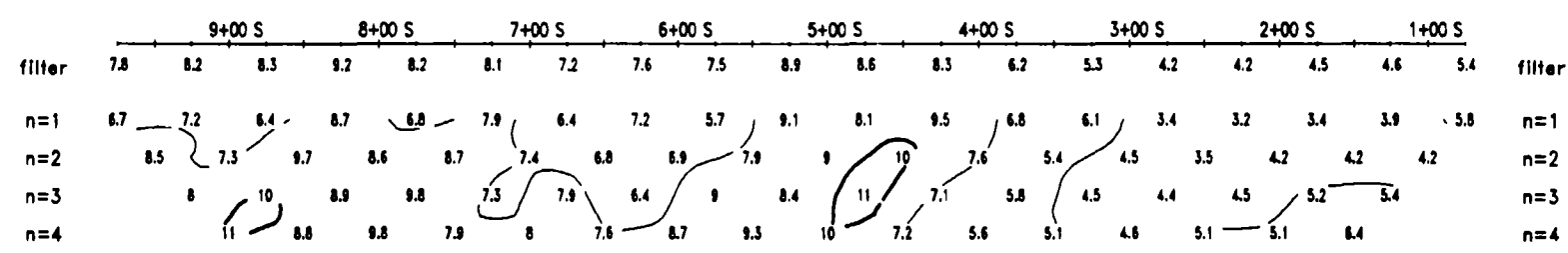
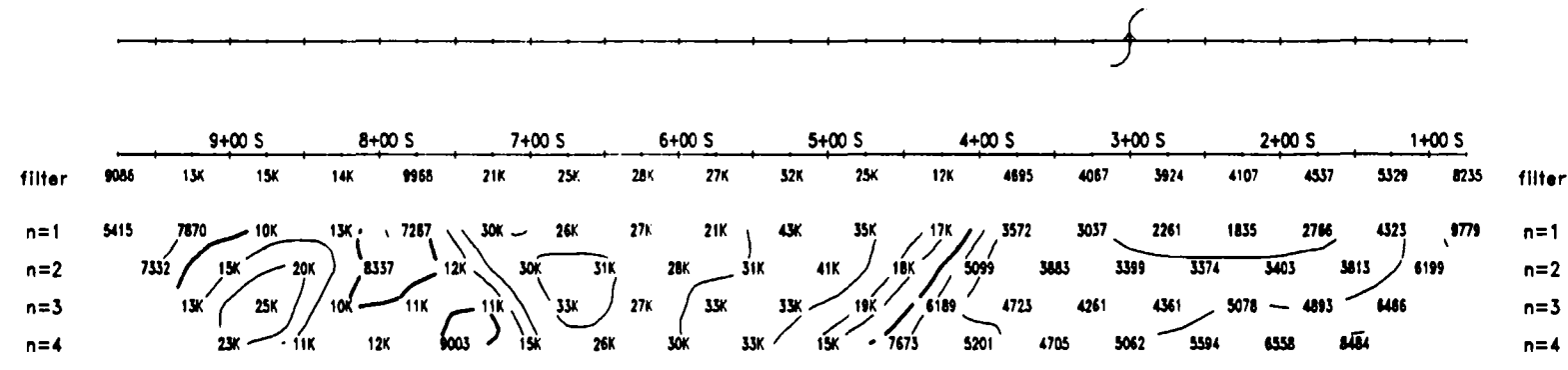
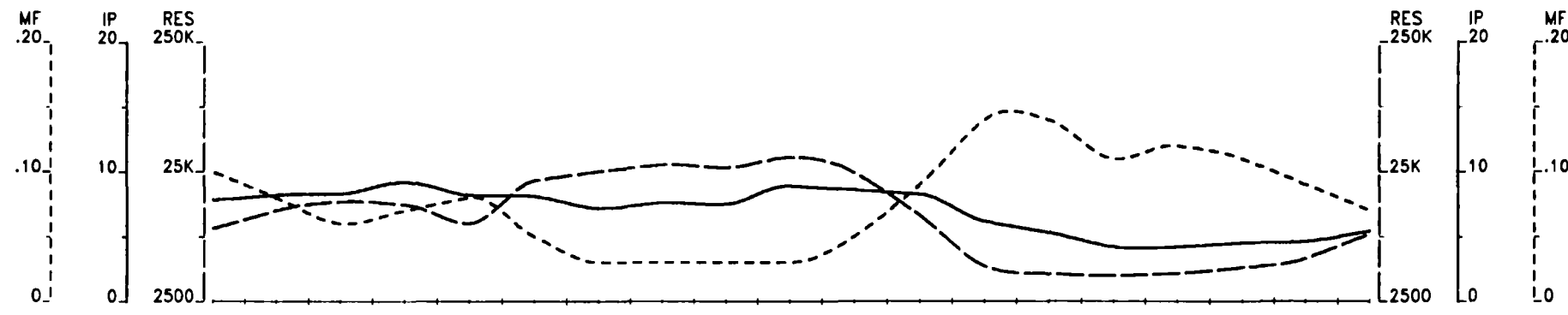
Wisner - Footwall Project
Wisner Township

Date: 96/04/10

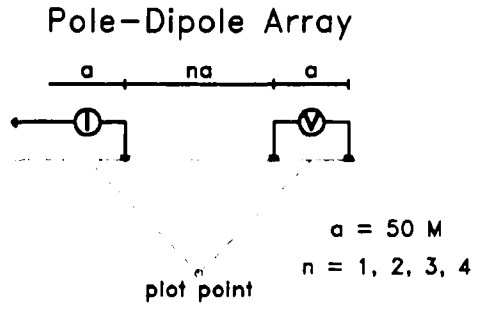
Interpretation by: P. Bolleau, P. Eng.

Scale 1 : 5000

VAL D'OR SAGAX INC.



Line 3900 W



TOPOGRAPHY

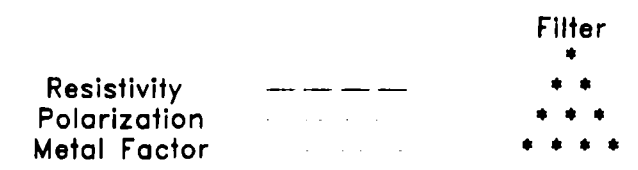
RESISTIVITY (Ohm * m)

CHARGEABILITY (mV/V)

INTERPRETATION

METAL FACTOR (ip/res * 100)

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Mario Blain

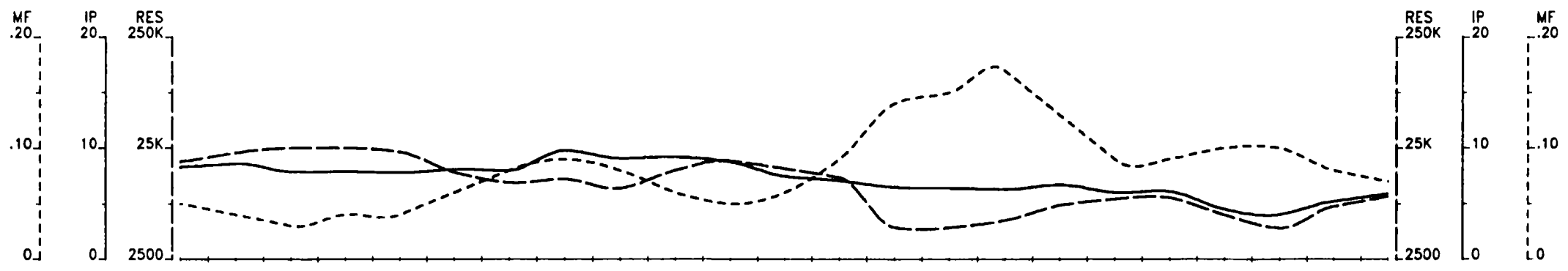
INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

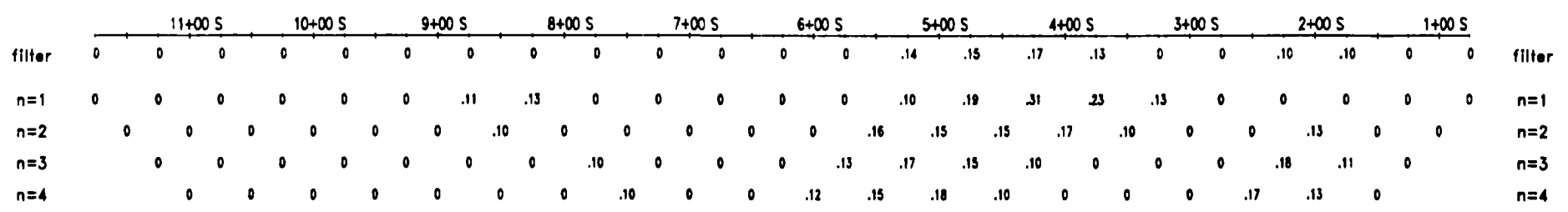
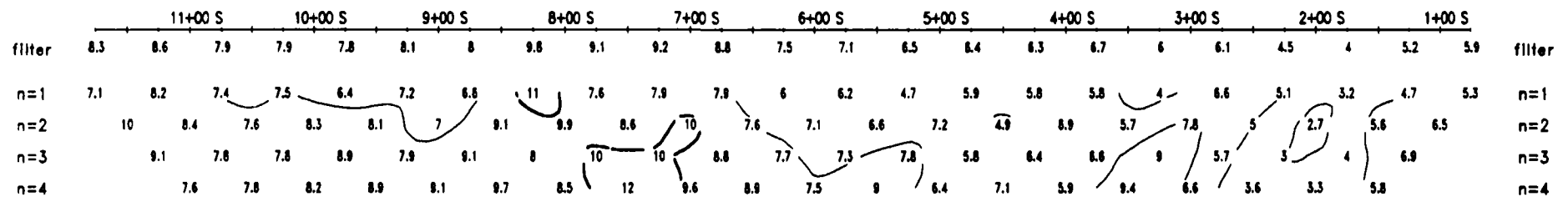
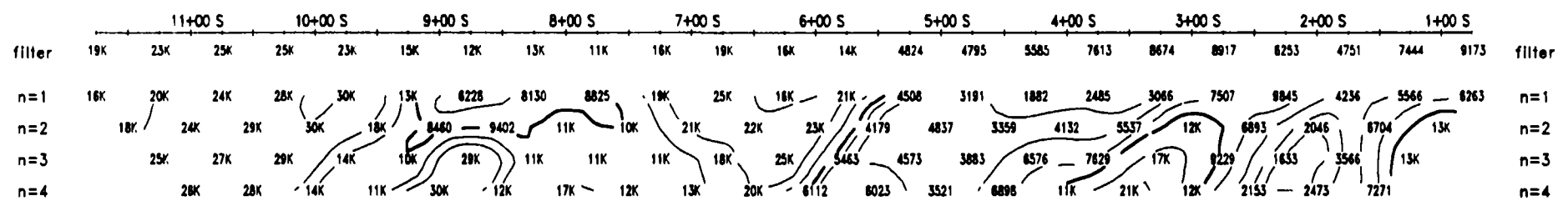
Induced Polarization Survey
FALCONBRIDGE LTD
Wisner - Footwall Project
Wisner Township

Date: 96/04/10
Interpretation by: P. Boileau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.



Beaver Dam



TOPOGRAPHY

RESISTIVITY
(Ohm * m)

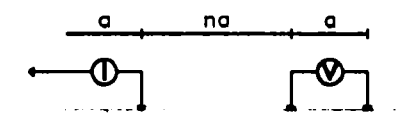
CHARGEABILITY
(mV/V)

INTERPRETATION

METAL FACTOR
(ip/res * 100)

Line 3800 W

Pole-Dipole Array



a = 50 M
n = 1, 2, 3, 4
plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Mario Blain

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

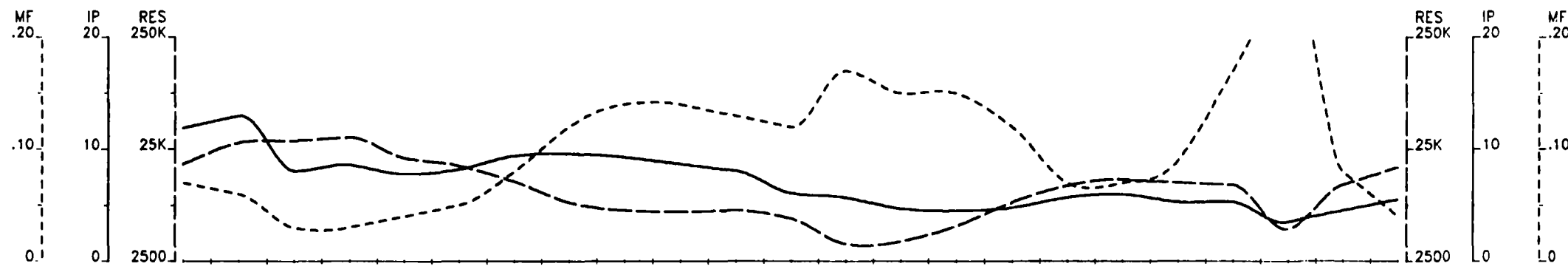
Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project
Wisner Township

Date: 96/04/11
Interpretation by: P. Boileau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.



TOPOGRAPHY

RESISTIVITY
(Ohm * m)

CHARGEABILITY
(mV/V)

INTERPRETATION

METAL FACTOR
(ip/res * 100)

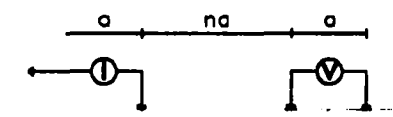
filter	11+00 S	10+00 S	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S	filter												
n=1	14K	23K	24K	35K	22K	22K	16K	7646	5818	4038	3938	4333	3604	4271	1735	1393	2622	8124	17K	25K	1081	9189	8565	n=1
n=2	18K	24K	32K	27K	20K	17K	9961	7733	5108	7682	8551	3752	2464	2806	2827	5842	14K	11K	17K	951	1409	25K	n=2	
n=3	25K	77K	24K	25K	15K	11K	8356	6155	7631	13K	5216	3451	1906	3474	8869	22K	16K	12K	662	1146	29K	n=3		
n=4	29K	22K	21K	17K	11K	8199	6084	8653	12K	6605	4316	2688	2319	11K	30K	23K	15K	485	836	22K	n=4			

filter	11+00 S	10+00 S	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S	filter												
n=1	7.6	11	8.3	9.7	7.1	6	7.8	10	9.9	7.9	8.1	5.3	6.4	3.5	2.7	2.7	3.9	5	4.8	7.2	2.9	4.9	5.1	n=1
n=2	22	TN	9.9	8	6.7	8.3	11	8.5	9.4	9.9	6.5	4.7	5.2	4.1	3.7	4.7	6.4	5.8	5.7	5	2.2	5.2	n=2	
n=3	TN	TN	7.2	7.3	10	11	8.9	7.6	11	7.6	5.8	5.2	5.3	4.6	5.3	7.3	7.3	6	2.2	2.3	6.1	n=3		
n=4	8.1	5.8	6.7	11	11	9.1	8	7.8	12	6.8	6.3	5.3	5.4	6.1	7.7	7.1	6.8	2	TN	6.8	n=4			

filter	11+00 S	10+00 S	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S	filter												
n=1	0	0	0	0	0	0	0	.13	.17	.20	.20	.12	.18	0	.18	.19	.15	0	0	0	.27	0	0	n=1
n=2	.13	0	0	0	0	.11	.11	.18	.13	0	.12	.21	.15	.14	0	0	0	0	0	.52	.15	0	n=2	
n=3	0	0	0	0	.10	.11	.12	.14	0	.11	.14	.28	.13	0	0	0	0	0	0	.32	.20	0	n=3	
n=4	0	0	0	0	.10	.11	.13	0	0	.10	.15	.20	.23	0	0	0	0	0	0	.42	0	n=4		

Line 3700 W

Pole-Dipole Array



a = 50 M
n = 1, 2, 3, 4
plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Mario Blain

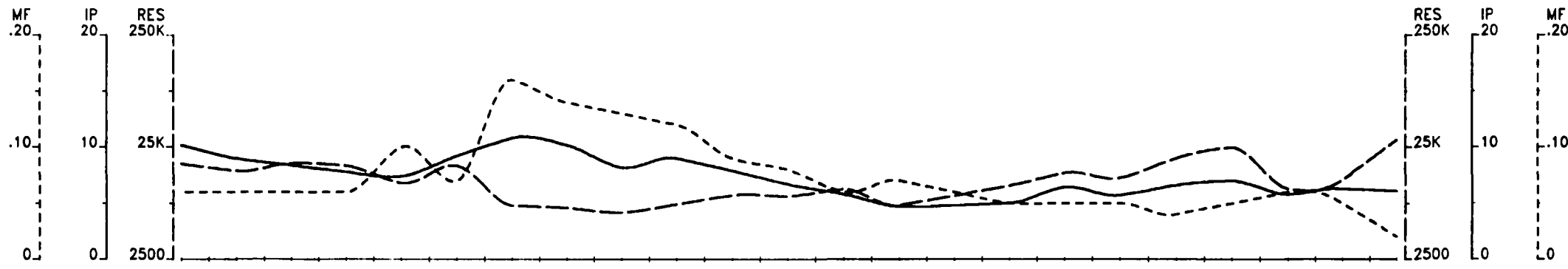
INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey
FALCONBRIDGE LTD
Wisner - Footwall Project
Wisner Township

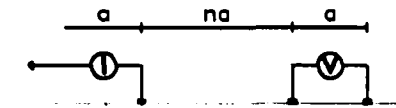
Date: 96/04/10
Interpretation by: P. Bolleau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.



Line 3600 W

Pole-Dipole Array

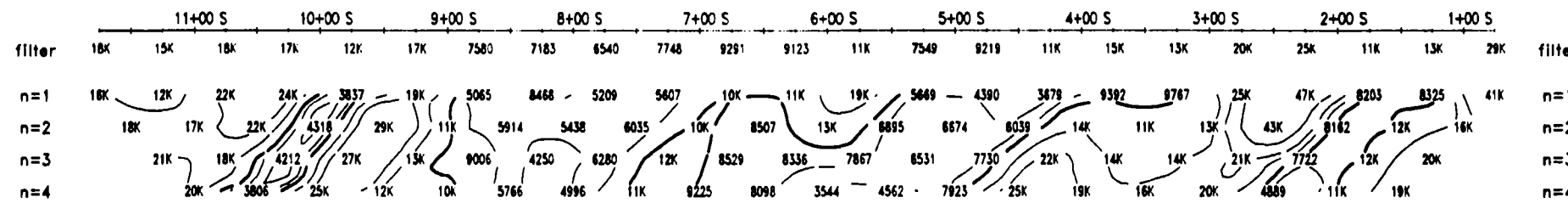


a = 50 M
n = 1, 2, 3, 4

plot point

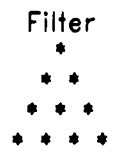
TOPOGRAPHY

Filtered Profiles



RESISTIVITY (Ohm * m)

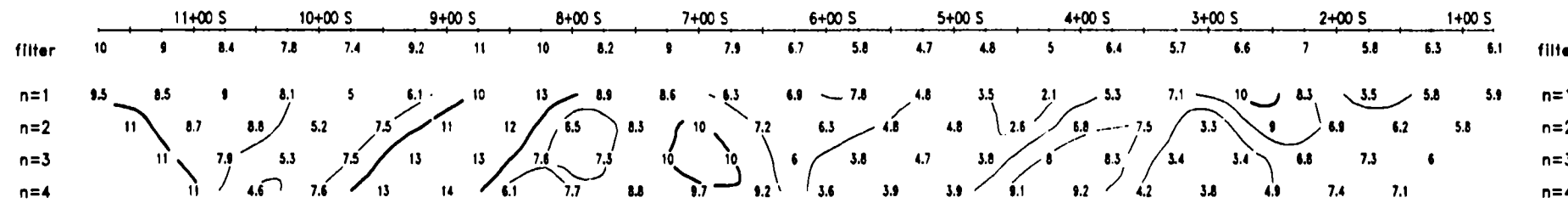
Resistivity
Polarization
Metal Factor



Logarithmic Contours

1, 1.5, 2, 3, 5, 7.5, 10,...

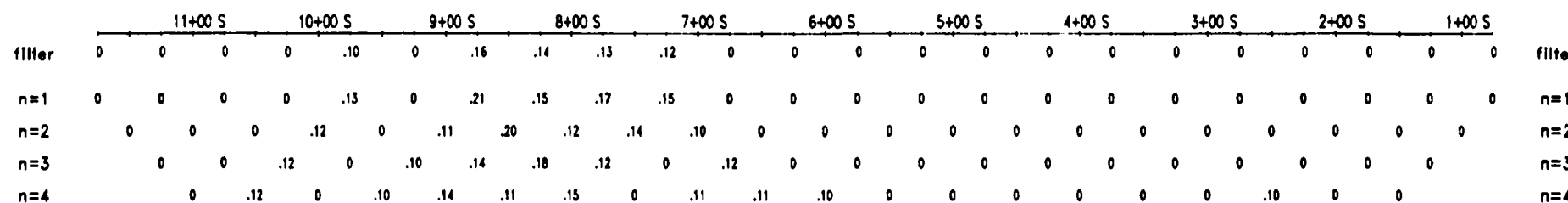
Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields & Mario Blain



CHARGEABILITY (mV/V)

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?



METAL FACTOR (ip/res * 100)

INTERPRETATION

Induced Polarization Survey

FALCONBRIDGE LTD

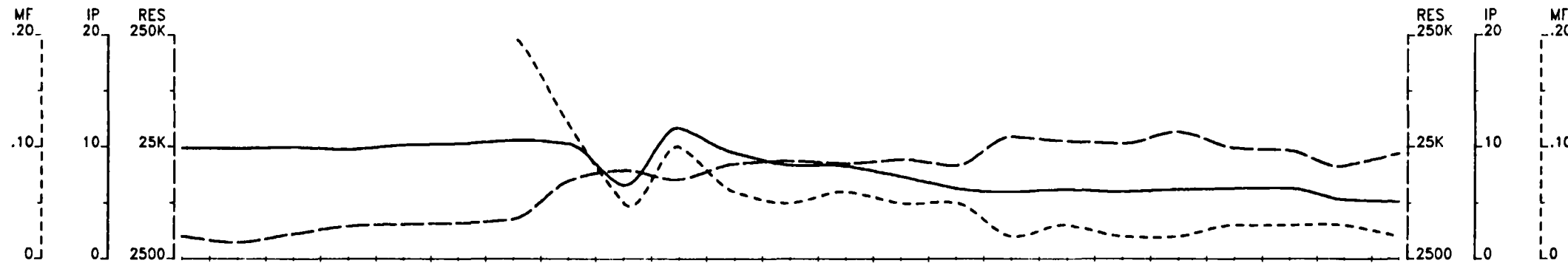
Wisner - Footwall Project
Wisner Township

Date: 96/04/10

Interpretation by: P. Boileau, P. Eng.

Scale 1 : 5000

VAL D'OR SAGAX INC.



TOPOGRAPHY

RESISTIVITY
(Ohm * m)

CHARGEABILITY
(mV/V)

INTERPRETATION

METAL FACTOR
(ip/res * 100)

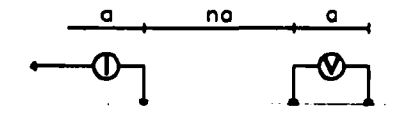
filter	11+00 S	10+00 S	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S	filter												
n=1	4494	2282	2138	3017	3533	3587	3764	17K	19K	8162	18K	19K	19K	27K	9942	25K	19K	28K	44K	20K	21K	10K	23K	n=1
n=2	2180	2894	3870	4900	4420	5121	5522	20K	14K	13K	22K	23K	19K	7807	23K	55K	14K	39K	33K	23K	18K	17K	n=2	
n=3	3782	5043	6412	5597	5105	6217	8475	15K	17K	14K	23K	22K	5538	22K	40K	30K	22K	29K	34K	17K	26K	n=3		
n=4	5608	7571	8805	5624	5819	8938	7256	17K	16K	14K	22K	5835	19K	35K	20K	41K	17K	32K	24K	22K	n=4			

filter	11+00 S	10+00 S	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S	filter												
n=1	9.9	9.9	10	9.8	10	10	11	10	6.6	12	9.5	8.4	8.3	7.4	6.3	6	6.2	6	6.2	6.3	6.3	5.3	5.1	n=1
n=2	7.1	8	6.6	7.3	8.6	8.8	8.2	11	4	15	6.3	6.8	8.3	7.4	5.4	4.6	5.9	5.6	5.6	5.3	5.9	5	5.4	n=2
n=3	11	11	9.7	9.6	9.8	9	16	4.4	7.7	14	8.7	6.8	9.2	5.9	5.5	6.3	5.9	5.9	6.2	7	5.3	4.1	n=3	
n=4	13	11	10	10	9.8	16	6.5	7.5	8.6	16	6.8	7.2	7.8	6.1	7	6	5.6	6.2	7.8	6.4	4.9	n=4		
n=4	15	12	11	9.9	17	6.5	9.9	8.1	11	13	7.5	5.7	8.7	7.8	8.7	6	5.7	7.6	7	6	n=4			

filter	11+00 S	10+00 S	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S	filter												
n=1	.28	.31	.27	.21	.21	.21	.20	.12	0	.10	0	0	0	0	0	0	0	0	0	0	0	0	0	n=1
n=2	.16	.26	.31	.24	.24	.24	.22	0	0	.16	0	0	0	0	0	0	0	0	0	0	0	0	0	n=2
n=3	.50	.37	.25	.20	.22	.18	.29	0	0	.11	0	0	0	0	0	0	0	0	0	0	0	0	0	n=3
n=4	.35	.21	.16	.18	.19	.26	0	0	0	.11	0	0	.14	0	0	0	0	0	0	0	0	0	0	n=4
n=4	.27	.16	.16	.18	.29	0	.14	0	0	.10	0	.10	0	0	0	0	0	0	0	0	0	0	n=4	

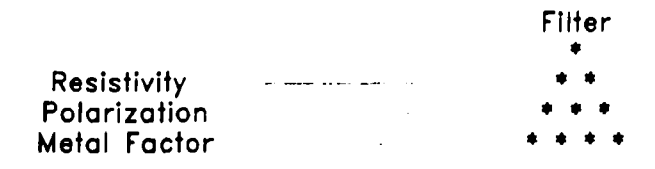
Line 3500 W

Pole-Dipole Array



a = 50 M
n = 1, 2, 3, 4
plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

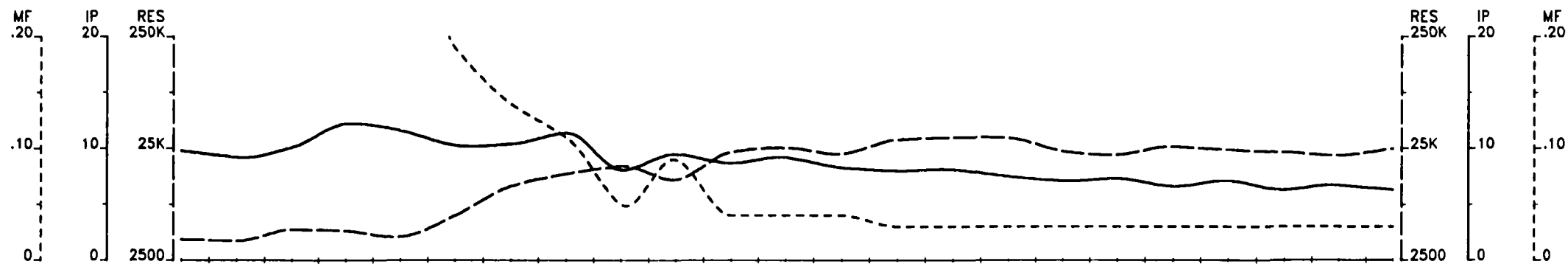
INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey
FALCONBRIDGE LTD
Wisner - Footwall Project
Wisner Township

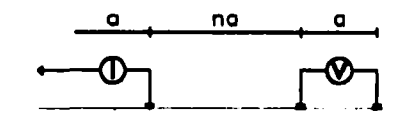
Date: 96/04/10
Interpretation by: P. Boileau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.



Line 3400 W

Pole-Dipole Array



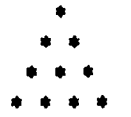
a = 50 M
n = 1, 2, 3, 4

plot point

Filtered Profiles

Filter

Resistivity
Polarization
Metal Factor



TOPOGRAPHY

RESISTIVITY (Ohm * m)

CHARGEABILITY (mV/V)

INTERPRETATION

METAL FACTOR (ip/res * 100)

filter	3810	3713	4697	4565	4042	6259	11K	13K	17K	13K	23K	25K	22K	30K	31K	31K	24K	22K	26K	24K	23K	22K	25K	filter
n=1	3298	992	1805	2046	2481	7990	17K	13K	16K	6387	21K	27K	21K	31K	25K	28K	24K	24K	32K	18K	17K	19K	25K	n=1
n=2	1664	3785	4617	3142	3644	6404	13K	29K	8280	15K	45K	18K	28K	31K	42K	29K	18K	23K	25K	29K	17K	24K	n=2	
n=3	5073	6979	5677	4221	3872	6563	25K	11K	17K	28K	21K	21K	27K	44K	35K	21K	17K	23K	33K	24K	22K	n=3		
n=4	8482	7678	6698	3982	4453	13K	8485	20K	27K	13K	24K	20K	38K	33K	23K	18K	20K	30K	26K	29K	n=4			

filter	9.8	9.2	10	12	12	10	10	11	8.1	9.5	8.7	9.2	8.3	8	8.1	7.5	7.1	7.3	6.6	7.1	6.3	6.7	6.3	filter
n=1	7.4	4.4	4.7	10	11	8.2	7.2	16	10	11	5.4	8.3	8.2	8	8.1	6.9	6.4	7.2	5.4	7.1	4.9	6.4	5.4	n=1
n=2	9.6	7.2	15	12	9.2	9.5	16	6.6	7.8	10	9.2	7.9	8.4	8.3	8.8	6.7	7.3	6.6	7	6.9	5.9	7.3	n=2	
n=3	11	14	13	10	9.7	16	7.3	5.2	7.7	14	8.4	7.7	7.5	8.3	8.2	7	7.2	7.6	6.8	7.2	6.6	n=3		
n=4	18	14	11	11	17	7.9	6.6	5.7	11	13	8.5	7.1	7.3	7.9	8.4	6.8	7.8	7.5	7	7.2	n=4			

filter	.31	.34	.23	.32	.32	.19	.14	.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	filter
n=1	.23	.44	.26	.51	.45	.10	0	.12	0	.17	0	0	0	0	0	0	0	0	0	0	0	0	0	n=1	
n=2	.56	.18	.28	.39	.25	.15	.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	n=2	
n=3	.22	.20	.23	.24	.25	.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	n=3	
n=4	.21	.18	.16	.28	.39	0	0	0	0	.10	0	0	0	0	0	0	0	0	0	0	0	0	0	n=4	

Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

- ### INTERPRETATION
- Increase in polarization associated to a relative decrease in apparent resistivity.
 - Increase in polarization with little or no associated decrease in apparent resistivity.
 - Weak or poorly defined polarization anomaly, no resistivity signature.
 - Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

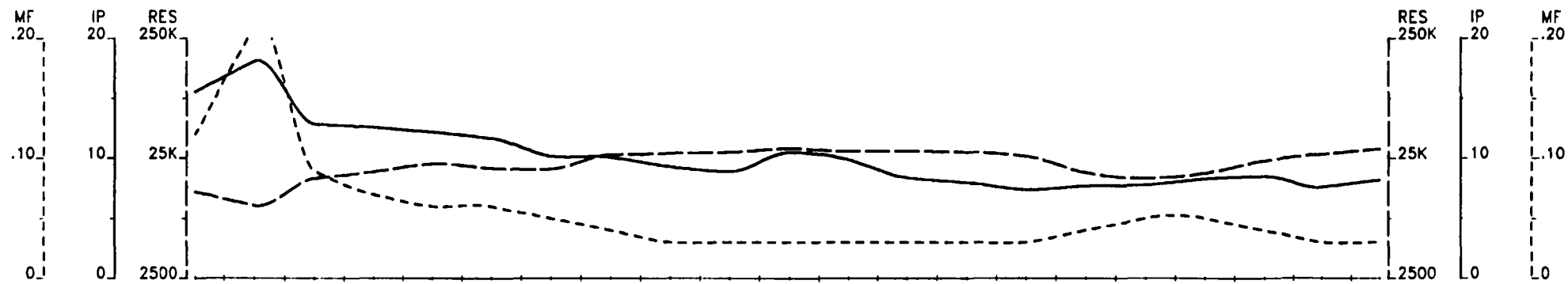
Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project
Wisner Township

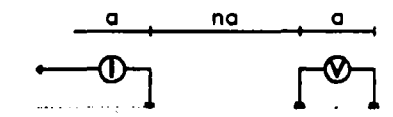
Date: 96/04/10
Interpretation by: P. Bolleau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.



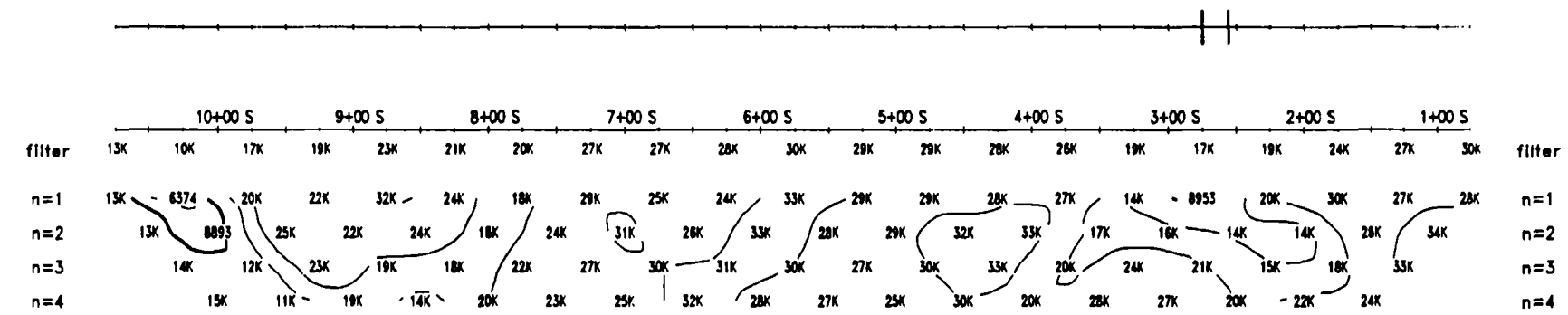
Line 3300 W

Pole-Dipole Array



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

TOPOGRAPHY



RESISTIVITY (Ohm * m)

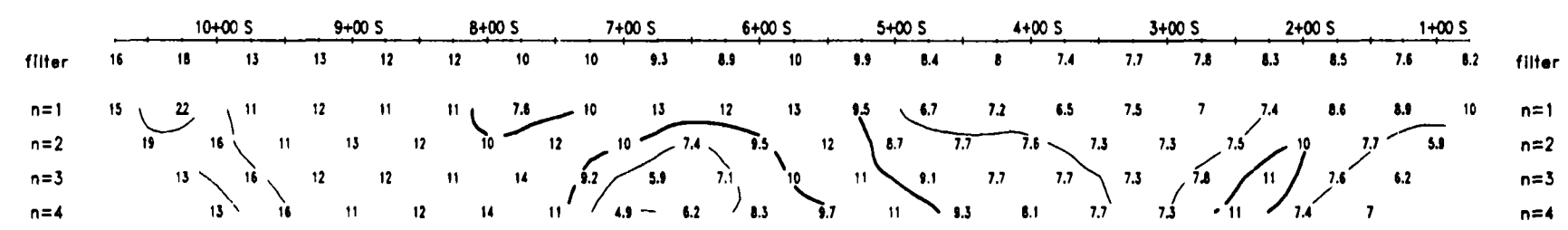
Filtered Profiles



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields

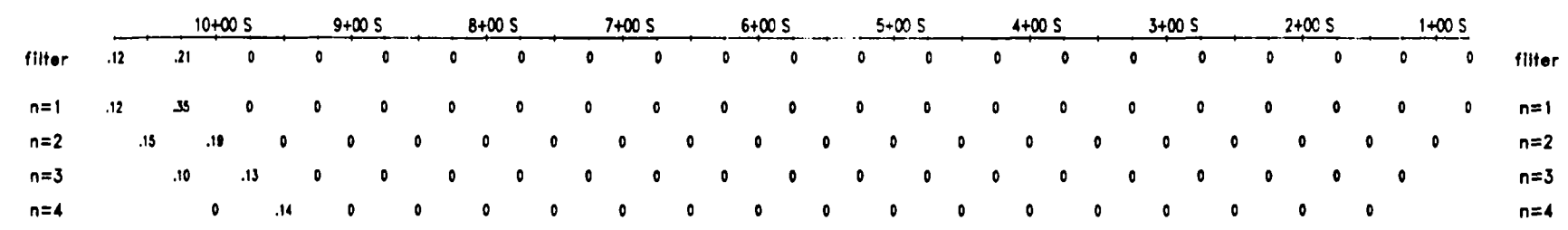
CHARGEABILITY (mV/V)



INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

INTERPRETATION

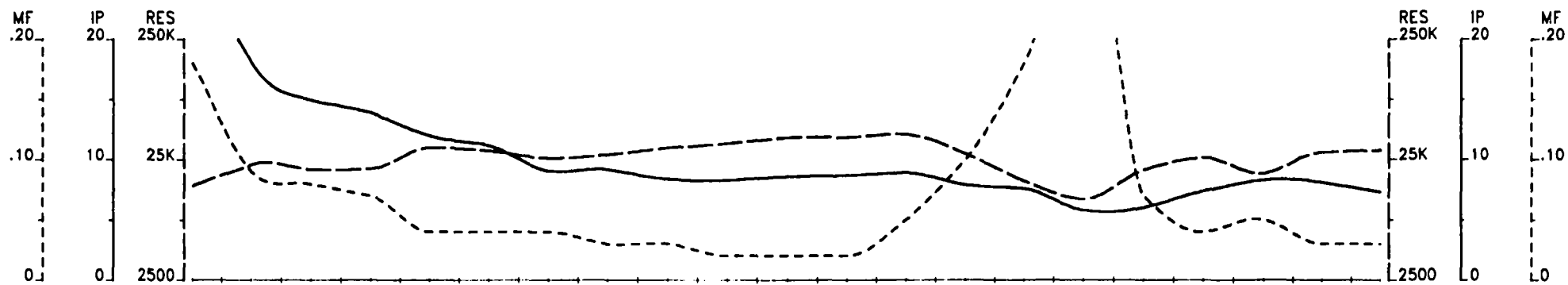


METAL FACTOR (ip/res * 100)

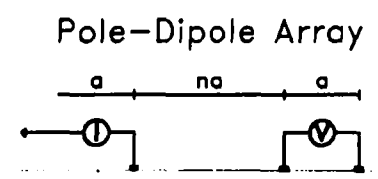
Induced Polarization Survey
FALCONBRIDGE LTD
 Wisner - Footwall Project
 Wisner Township

Date: 96/04/11
 Interpretation by: P. Bolleau, P. Eng.
 Scale 1 : 5000

VAL D'OR SAGAX INC.

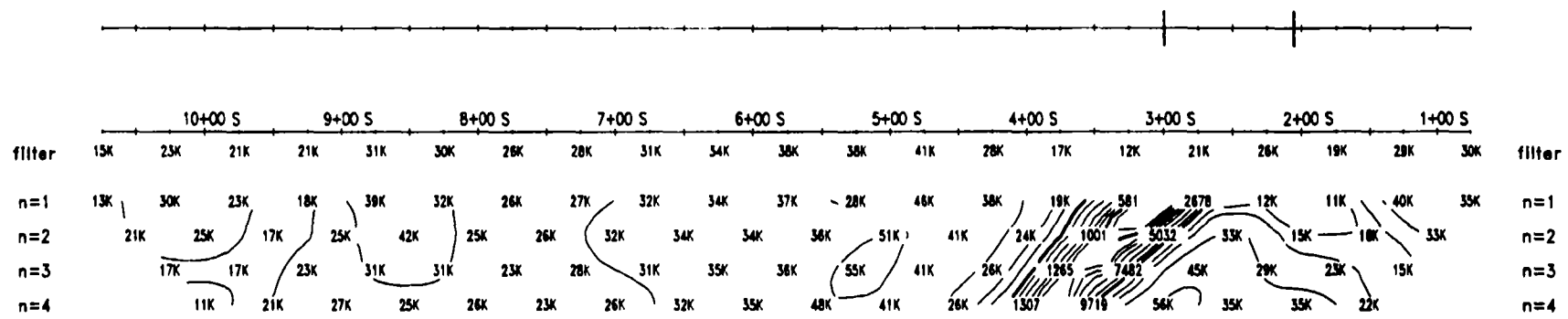


Line 3200 W



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

TOPOGRAPHY



RESISTIVITY
(Ohm * m)

Filtered Profiles

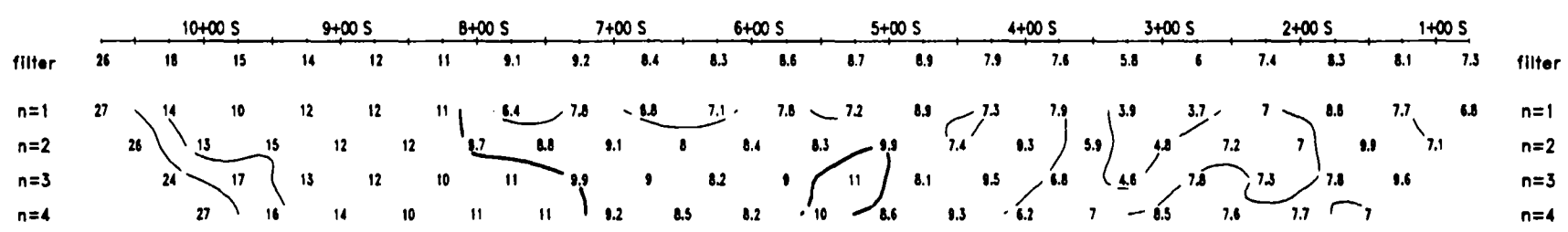


Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields

CHARGEABILITY

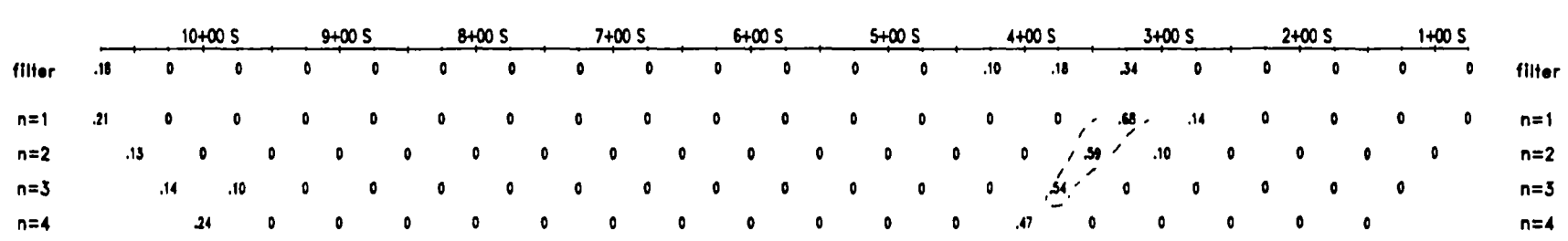
(mV/V)



INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

INTERPRETATION



METAL FACTOR
(ip/res * 100)

Induced Polarization Survey

FALCONBRIDGE LTD

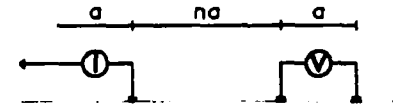
Wisner - Footwall Project
 Wisner Township

Date: 96/04/11
 Interpretation by: P. Boileau, P. Eng.
 Scale 1 : 5000

VAL D'OR SAGAX INC.

Line 3100 W

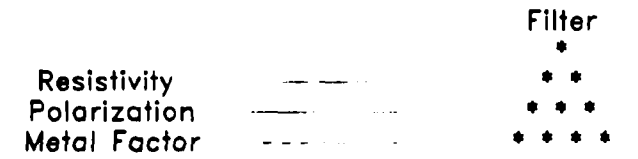
Pole-Dipole Array



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$

plot point

Filtered Profiles



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey

FALCONBRIDGE LTD

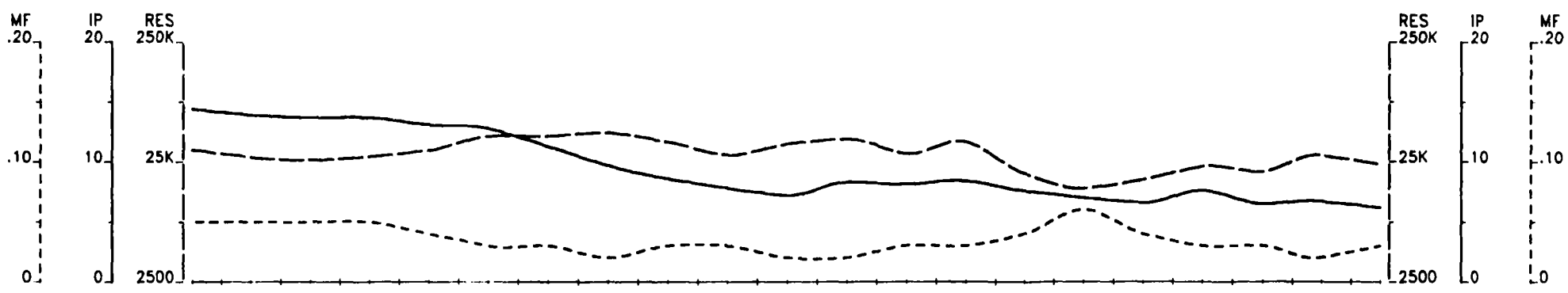
Wisner - Footwall Project
 Wisner Township

Date: 96/04/07

Interpretation by: P. Bolleau, P. Eng.

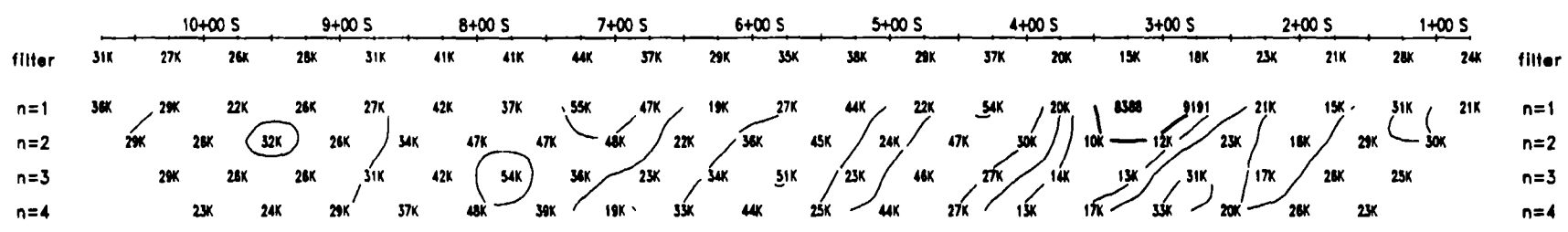
Scale 1 : 5000

VAL D'OR SAGAX INC.

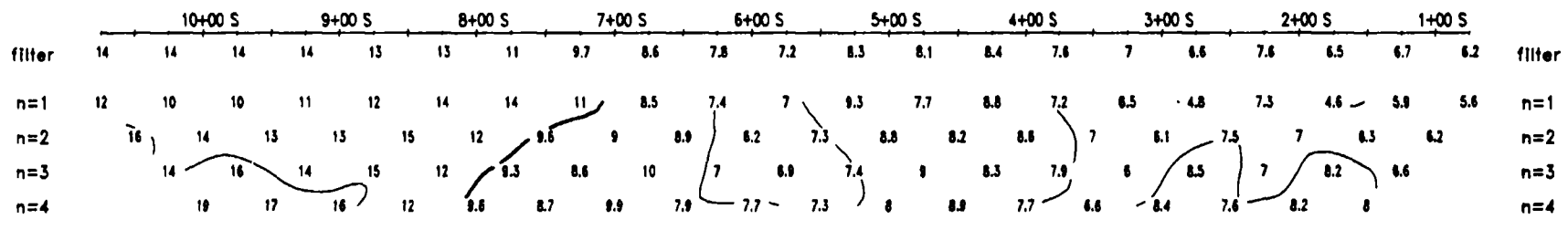


Lake

TOPOGRAPHY

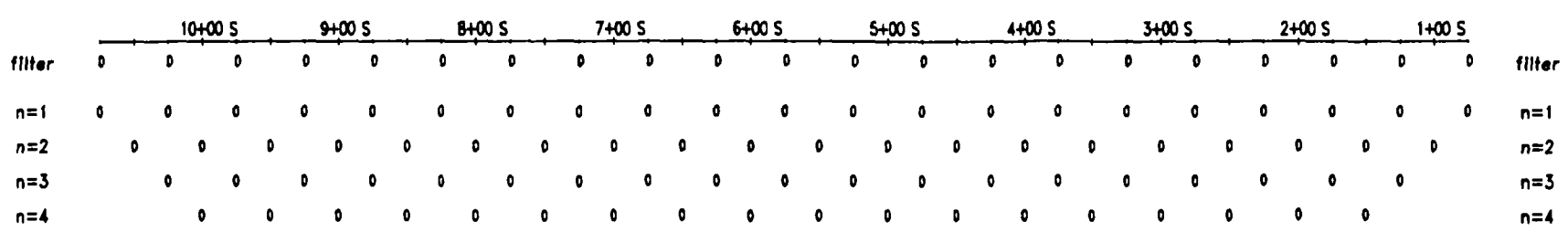


RESISTIVITY (Ohm * m)

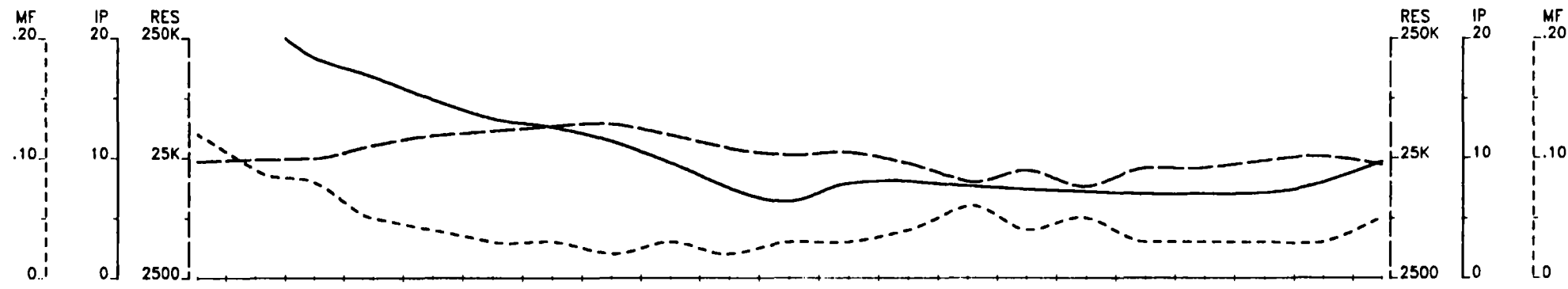


CHARGEABILITY (mV/V)

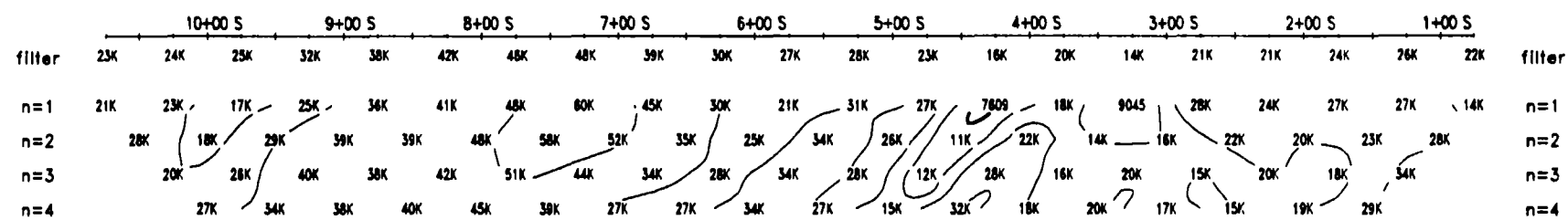
INTERPRETATION



METAL FACTOR (ip/res * 100)

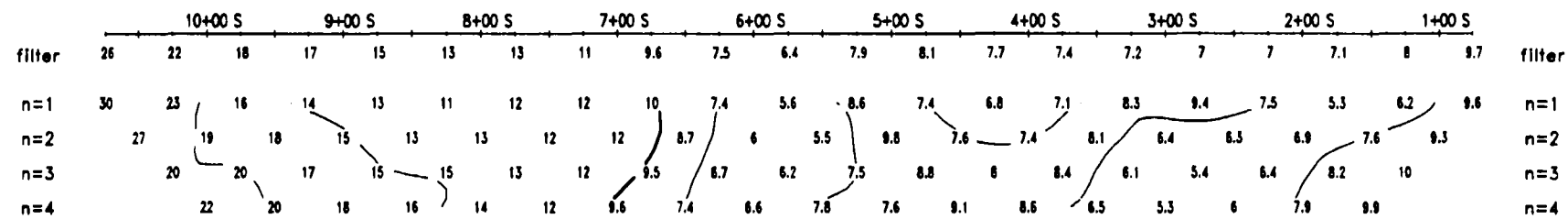


Lake



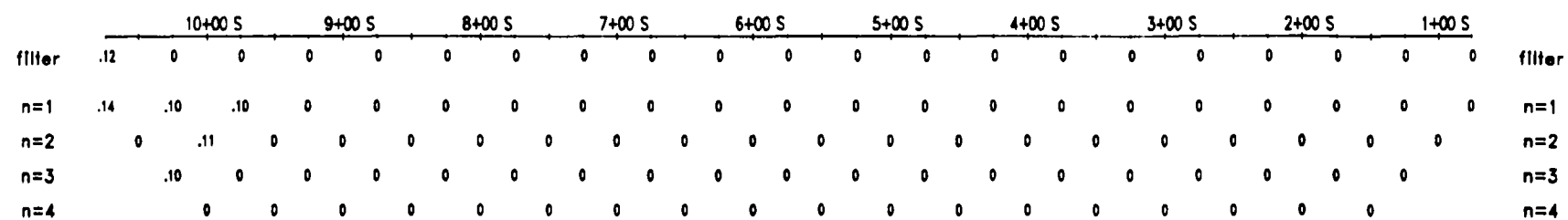
TOPOGRAPHY

RESISTIVITY
(Ohm * m)



CHARGEABILITY
(mV/V)

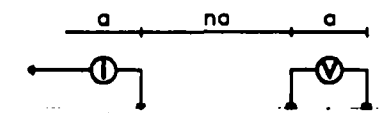
INTERPRETATION



METAL FACTOR
(ip/res * 100)

Line 3000 W

Pole-Dipole Array

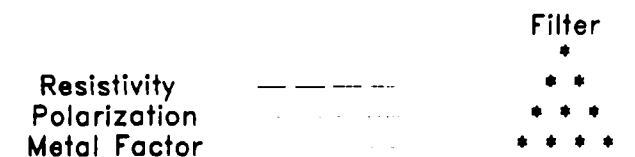


a = 50 M

n = 1, 2, 3, 4

plot point

Filtered Profiles



Logarithmic Contours

1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6

Time cycle: 2 sec.

Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project

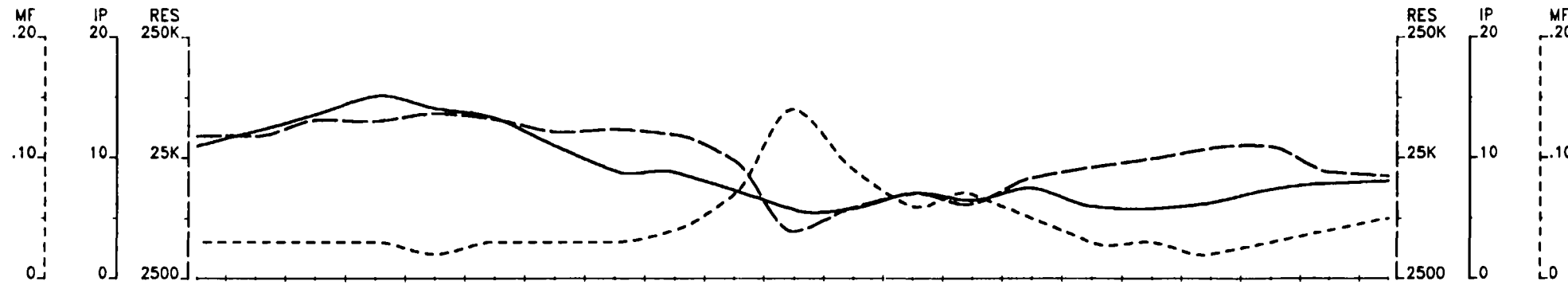
Wisner Township

Date: 96/04/10

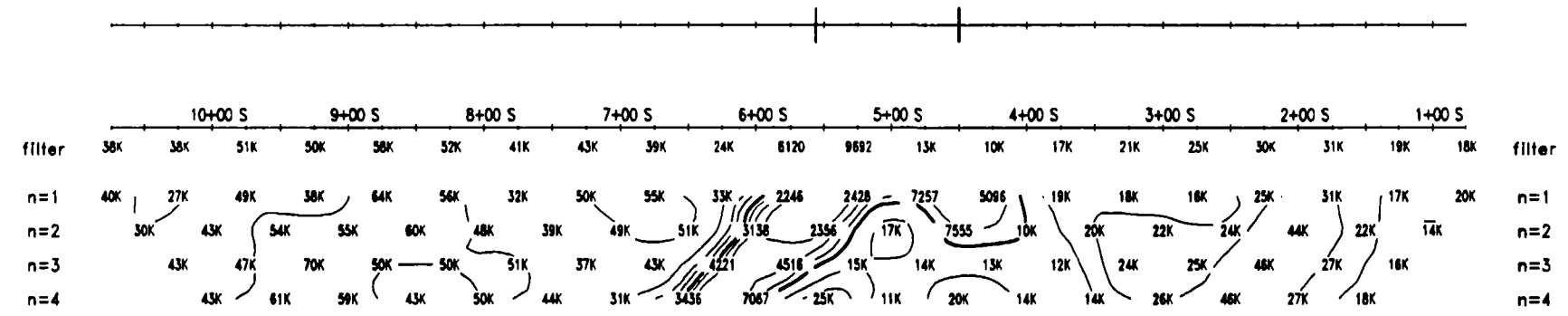
Interpretation by: P. Bolleau, P. Eng.

Scale 1 : 5000

VAL D'OR SAGAX INC.

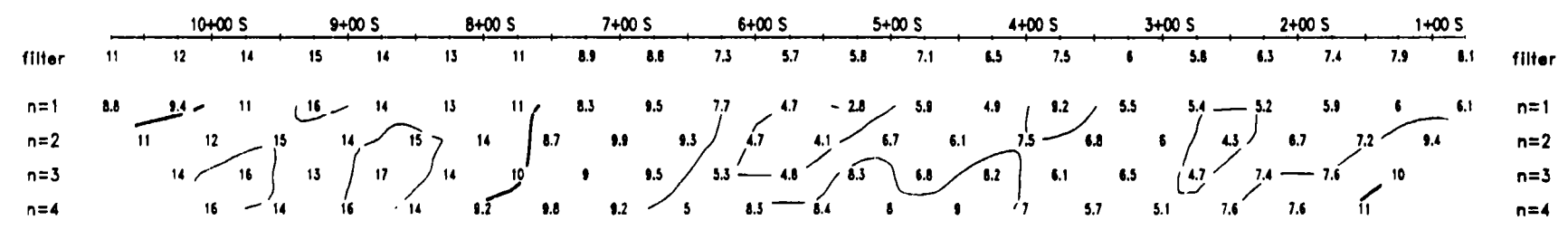


Lake



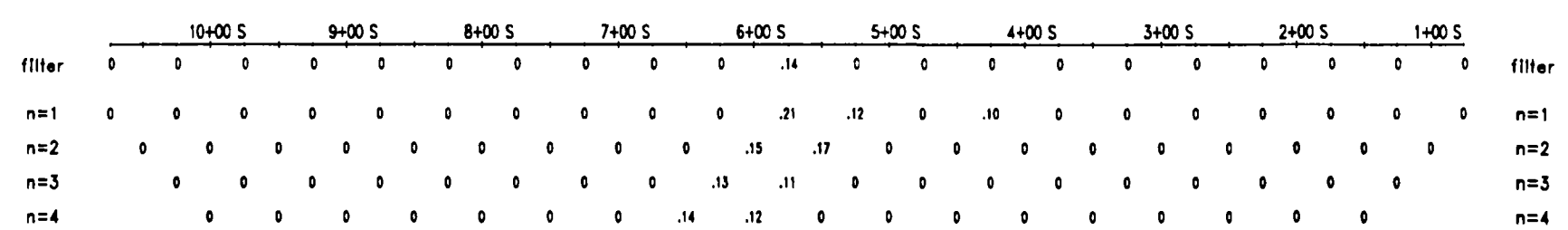
TOPOGRAPHY

RESISTIVITY
(Ohm * m)



CHARGEABILITY
(mV/V)

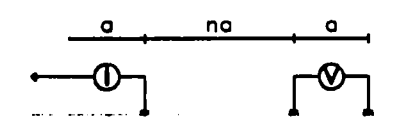
INTERPRETATION



METAL FACTOR
(ip/res * 100)

Line 2900 W

Pole-Dipole Array



a = 50 M
n = 1, 2, 3, 4
plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

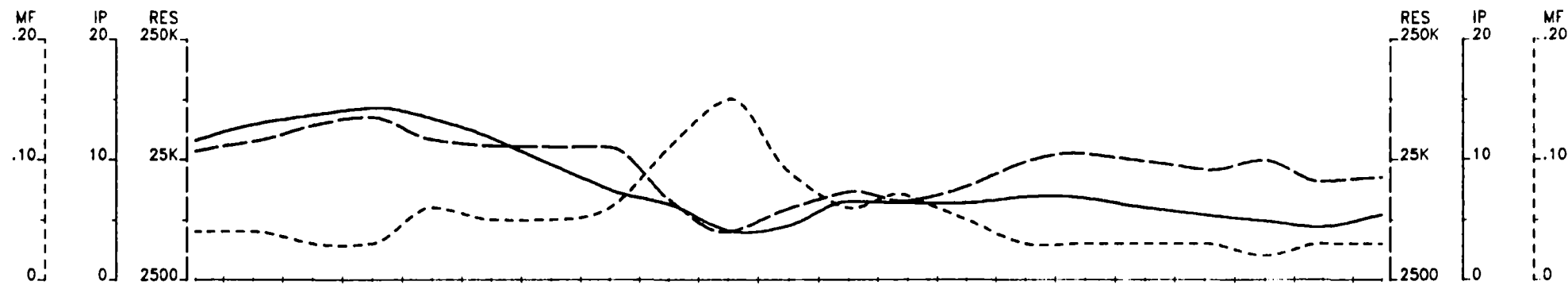
INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

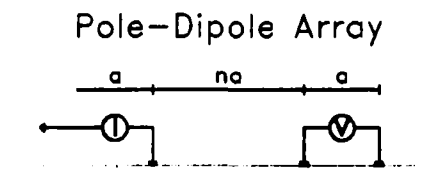
Induced Polarization Survey
FALCONBRIDGE LTD
Wisner - Footwall Project
Wisner Township

Date: 96/04/10
Interpretation by: P. Bolleau, P. Eng.
Scale 1 : 5000

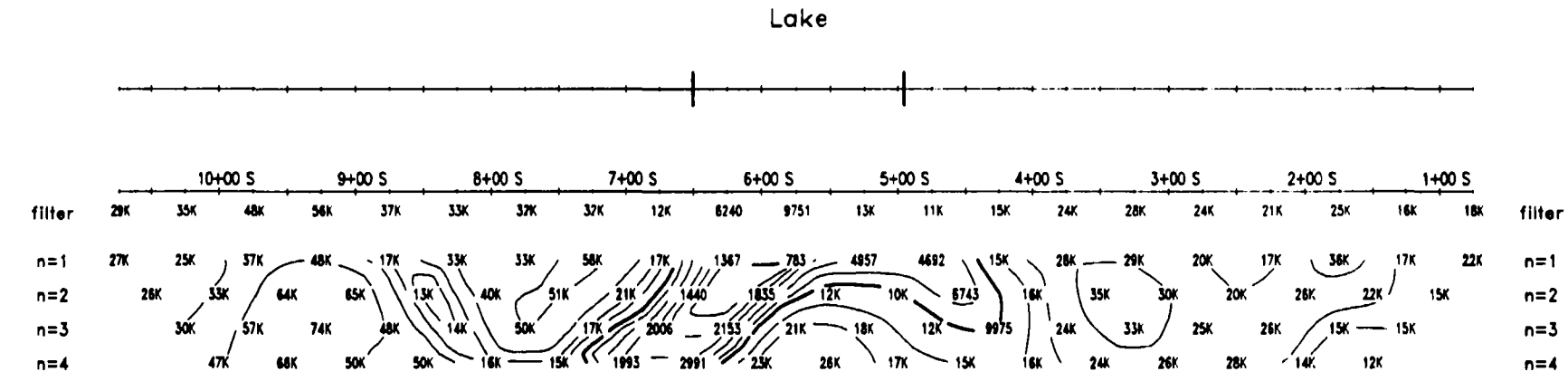
VAL D'OR SAGAX INC.



Line 2800 W



a = 50 M
 n = 1, 2, 3, 4
 plot point



TOPOGRAPHY

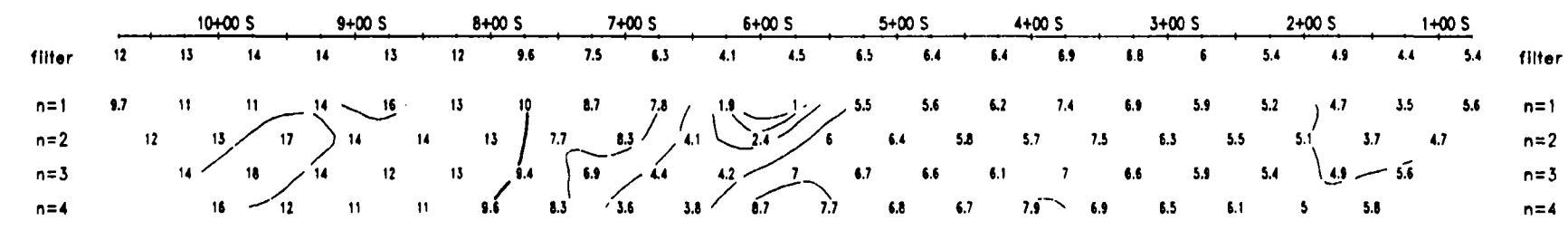
RESISTIVITY
(Ohm * m)

Filtered Profiles



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

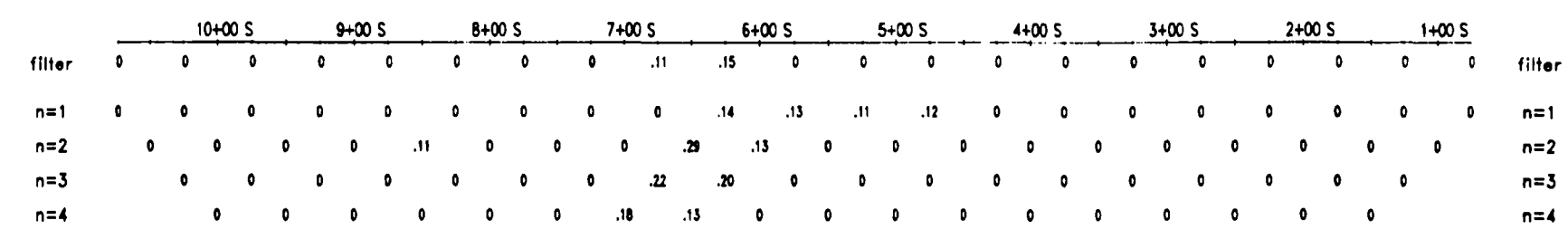
Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields



CHARGEABILITY
(mV/V)

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature, Bedrock valley or thick overburden. Structural causes?



INTERPRETATION

METAL FACTOR
(ip/res * 100)

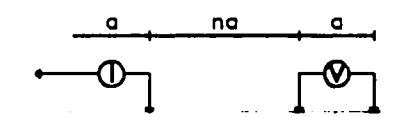
Induced Polarization Survey
FALCONBRIDGE LTD
 Wisner - Footwall Project
 Wisner Township

Date: 96/04/10
 Interpretation by: P. Boileau, P. Eng.
 Scale 1 : 5000

VAL D'OR SAGAX INC.

Line 2700 W

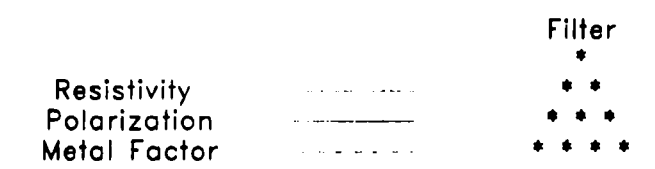
Pole-Dipole Array



a = 50 M
n = 1, 2, 3, 4

plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

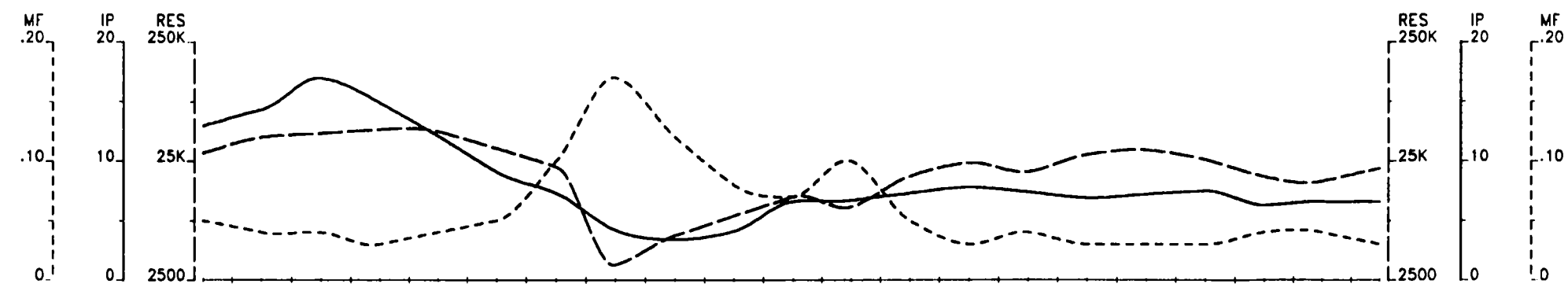
INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey
FALCONBRIDGE LTD
Wisner - Footwall Project
Wisner Township

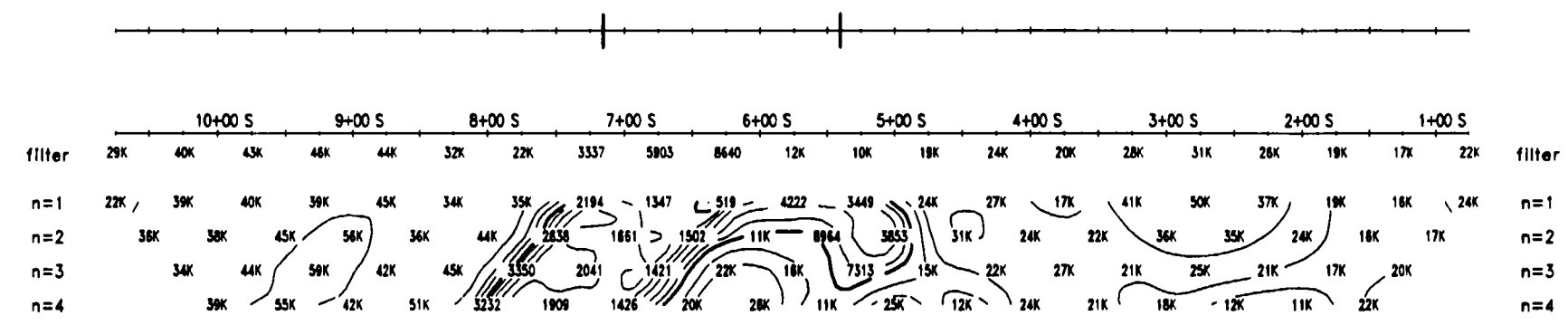
Date: 96/04/10
Interpretation by: P. Boileau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.



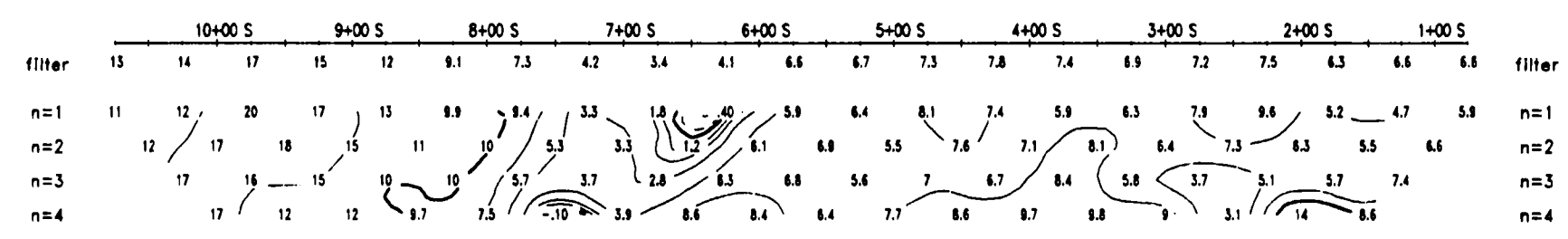
Lake

TOPOGRAPHY



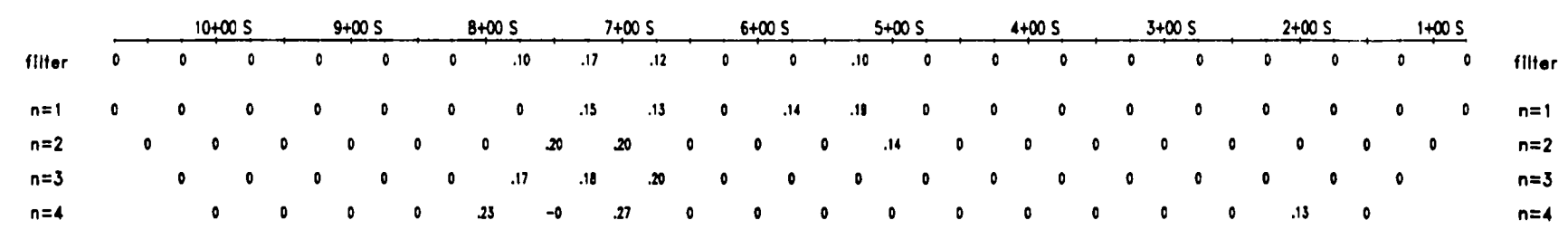
RESISTIVITY (Ohm * m)

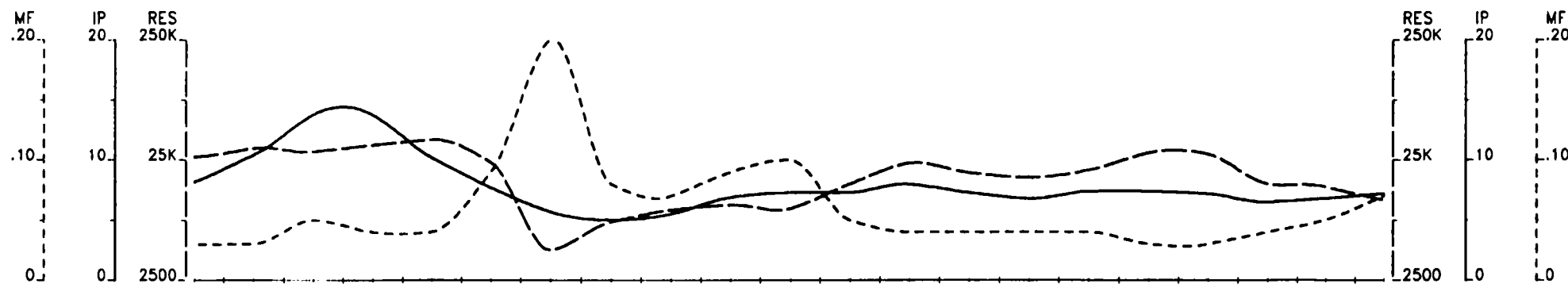
CHARGEABILITY (mV/V)



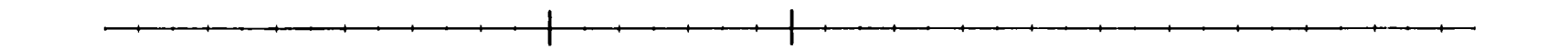
INTERPRETATION

METAL FACTOR (ip/res * 100)

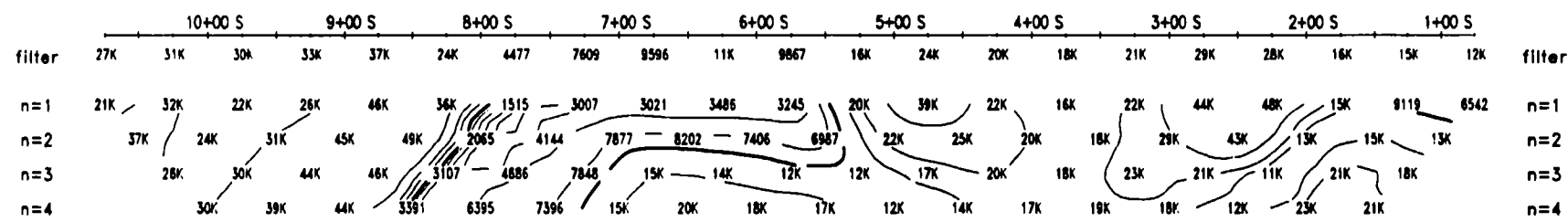




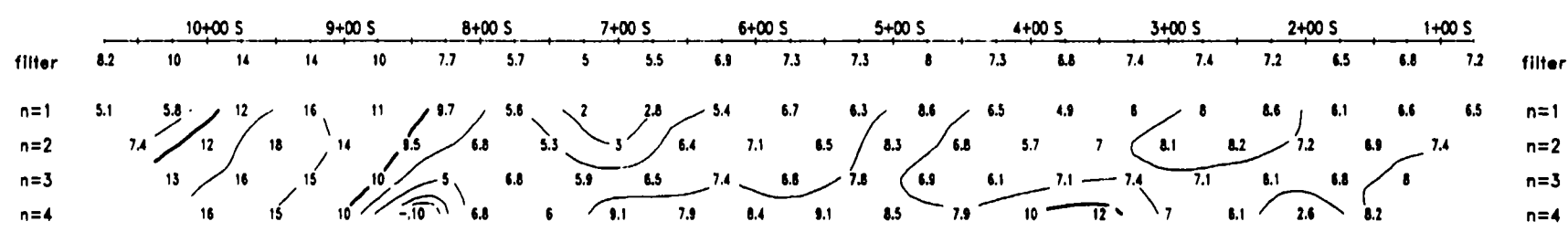
Lake



TOPOGRAPHY



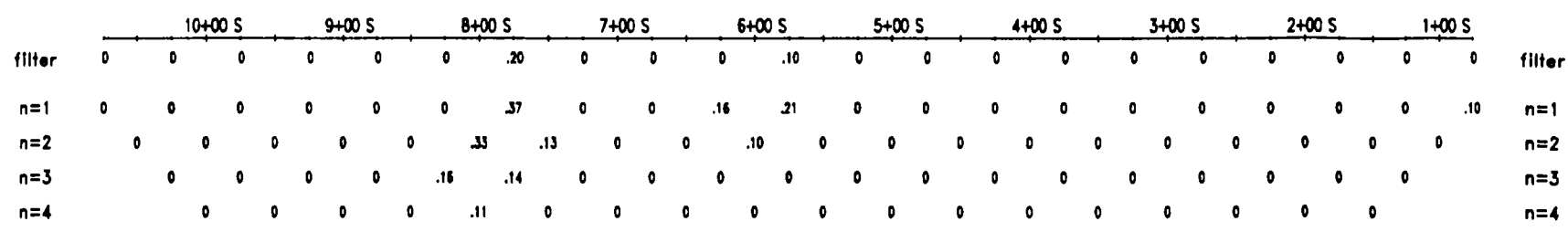
RESISTIVITY
(Ohm * m)



CHARGEABILITY
(mV/V)



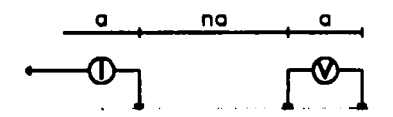
INTERPRETATION



METAL FACTOR
(ip/res * 100)

Line 2600 W

Pole-Dipole Array



a = 50 M
n = 1, 2, 3, 4

plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

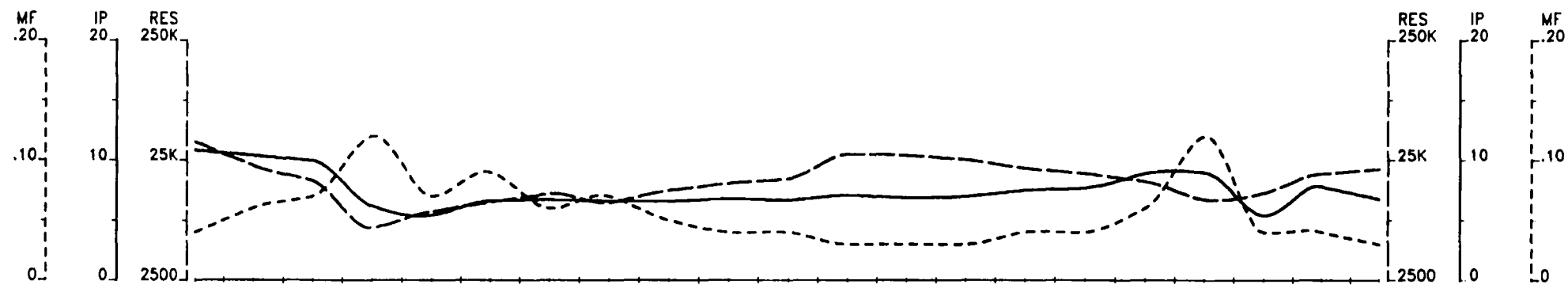
Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project
Wisner Township

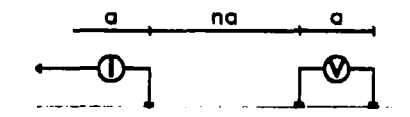
Date: 96/04/10
Interpretation by: P. Bolleau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.



Line 2500 W

Pole-Dipole Array

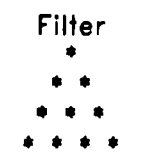


a = 50 M
n = 1, 2, 3, 4

plot point

Filtered Profiles

Resistivity
Polarization
Metal Factor



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10, ..

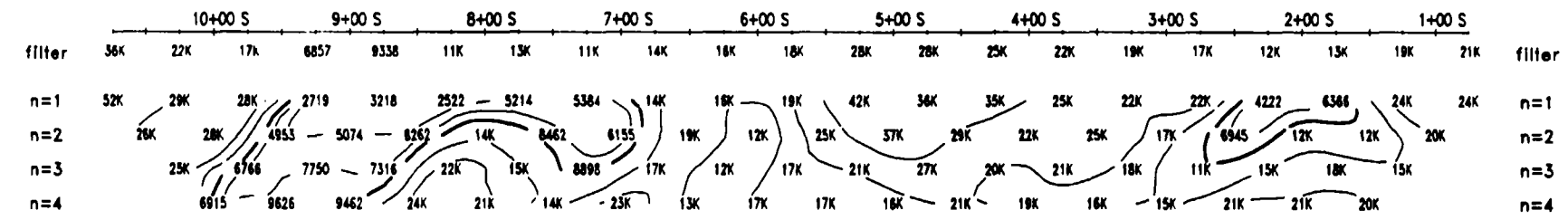
Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

INTERPRETATION

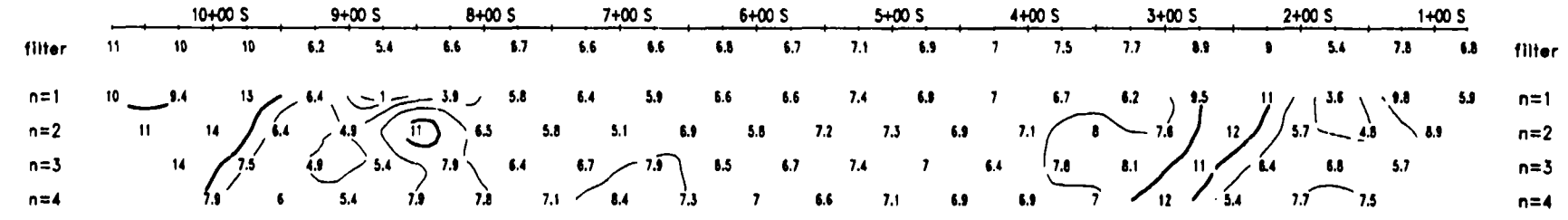
- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

TOPOGRAPHY

RESISTIVITY
(Ohm * m)

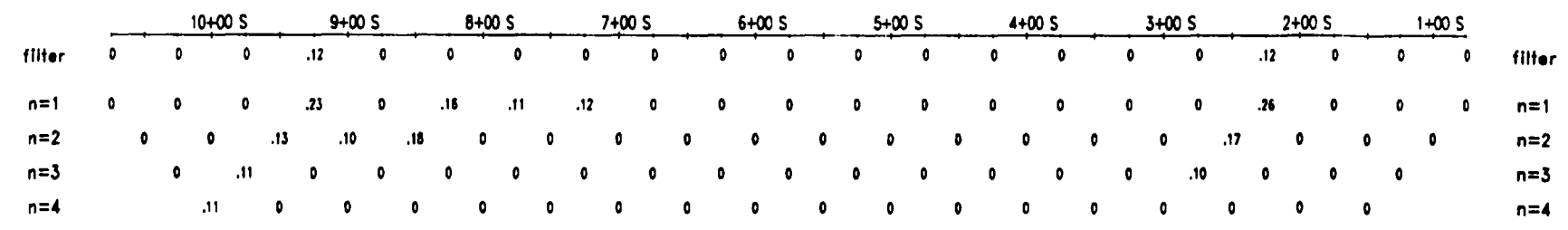


CHARGEABILITY
(mV/V)



INTERPRETATION

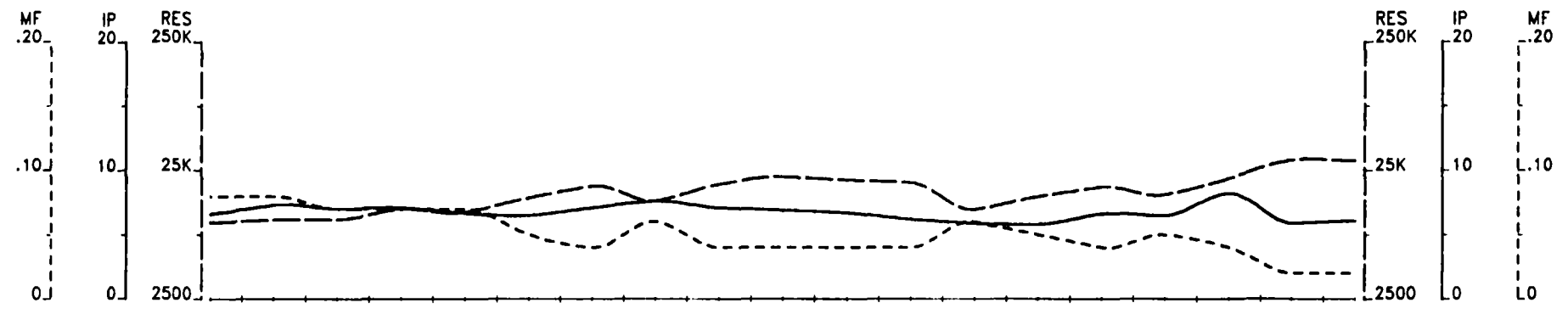
METAL FACTOR
(ip/res * 100)



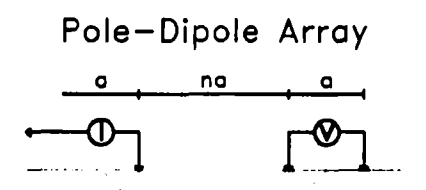
Induced Polarization Survey
FALCONBRIDGE LTD
Wisner - Footwall Project
Wisner Township

Date: 96/04/10
Interpretation by: P. Bolleau, P. Eng.
Scale 1 : 5000

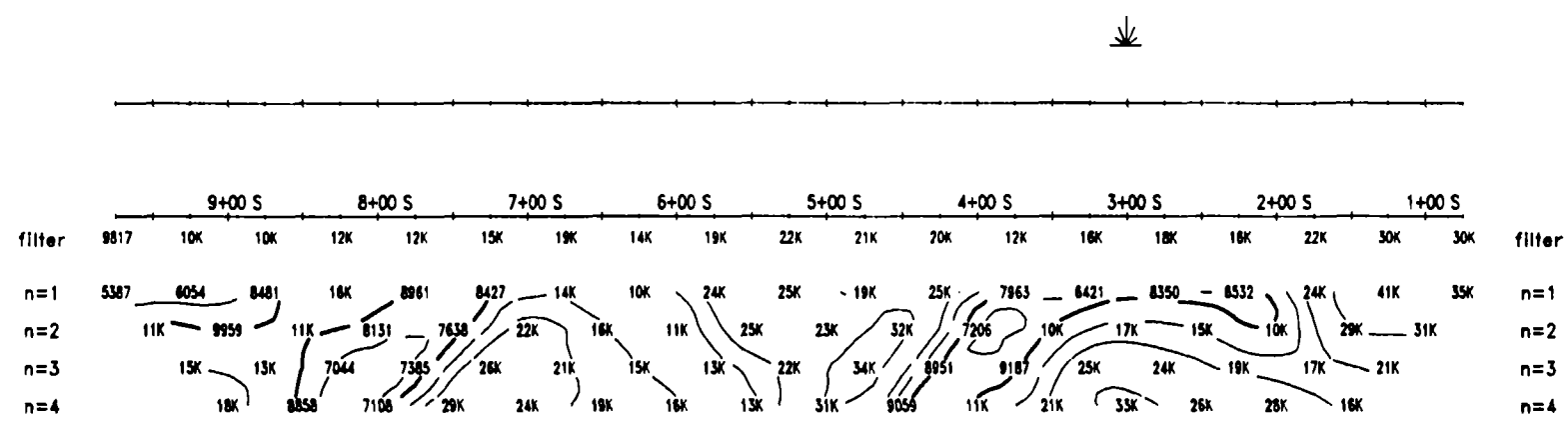
VAL D'OR SAGAX INC.



Line 2400 W



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point



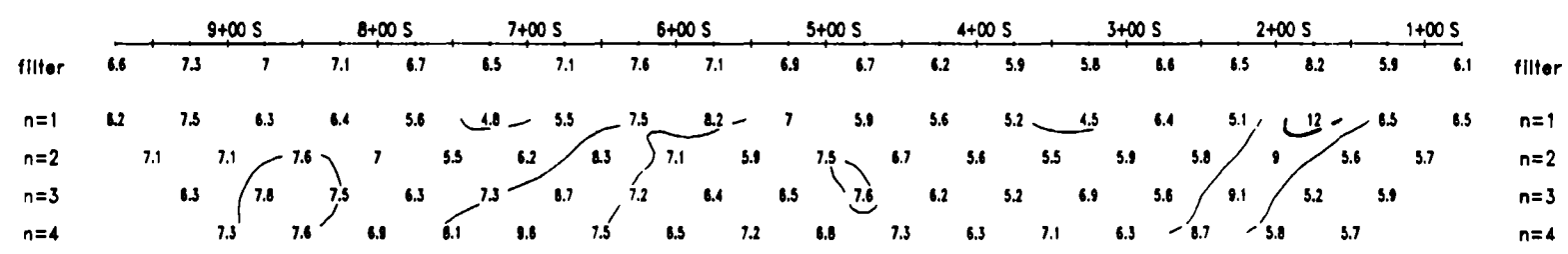
TOPOGRAPHY

RESISTIVITY (Ohm * m)

Filtered Profiles



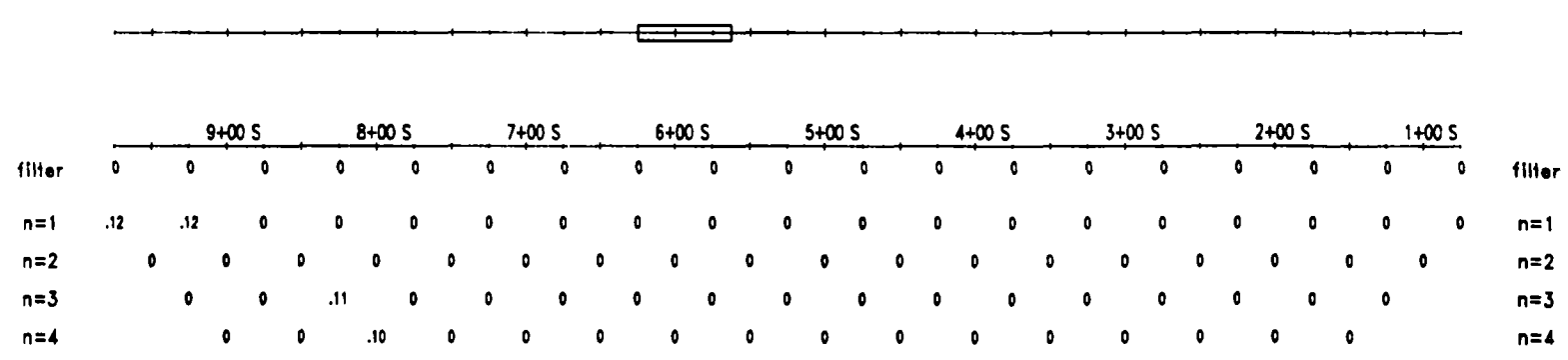
Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10, ...
 Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields



CHARGEABILITY (mV/V)

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?



INTERPRETATION

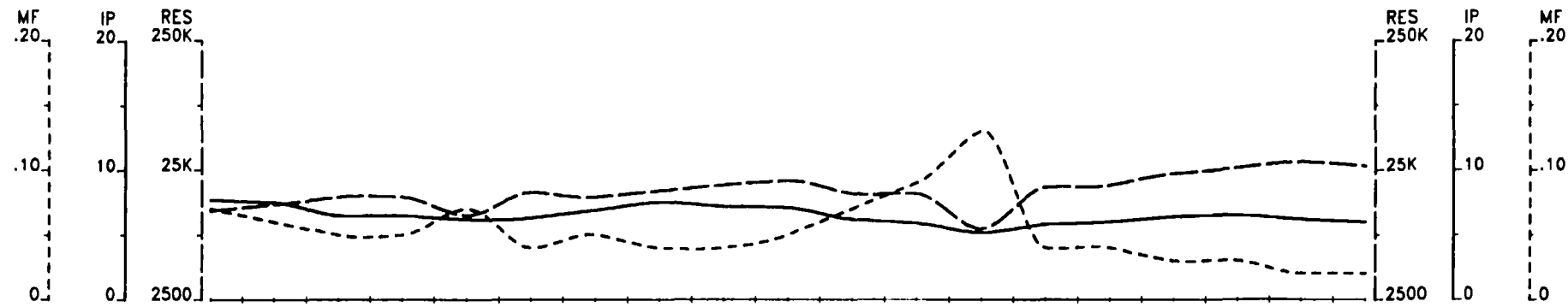
METAL FACTOR (ip/res * 100)

Induced Polarization Survey

FALCONBRIDGE LTD
 Wisner - Footwall Project
 Wisner Township

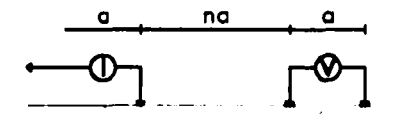
Date: 96/04/11
 Interpretation by: P. Bolleau, P. Eng.
 Scale 1 : 5000

VAL D'OR SAGAX INC.



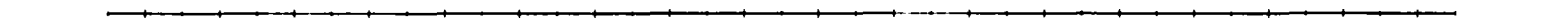
Line 2300 W

Pole-Dipole Array

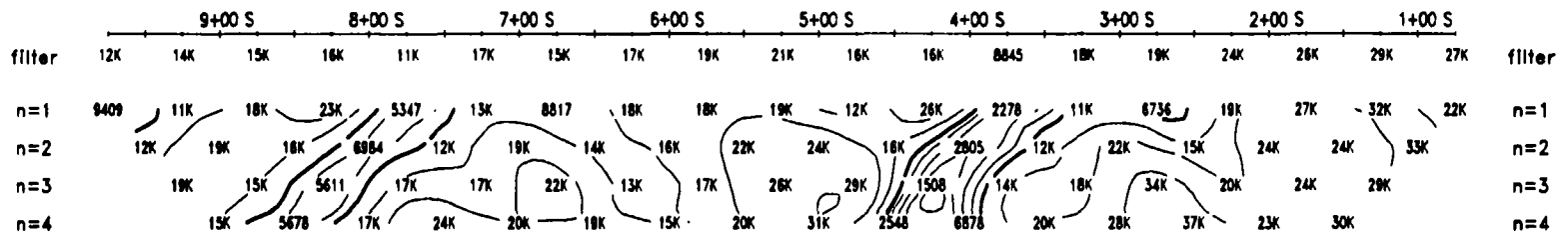


$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

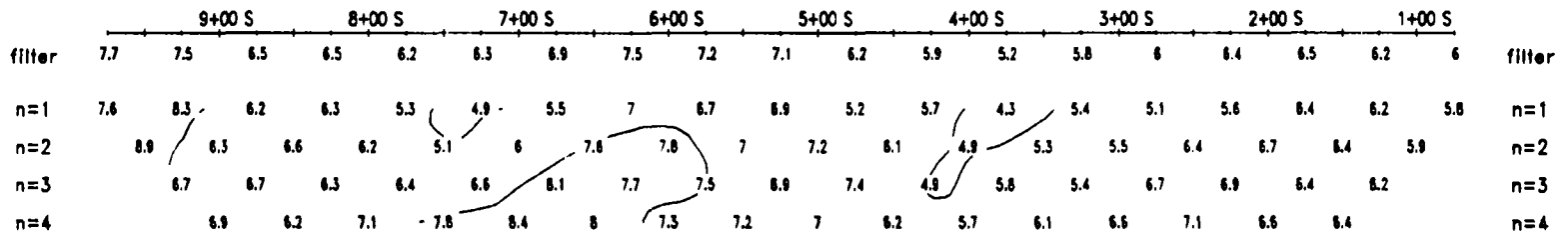
TOPOGRAPHY



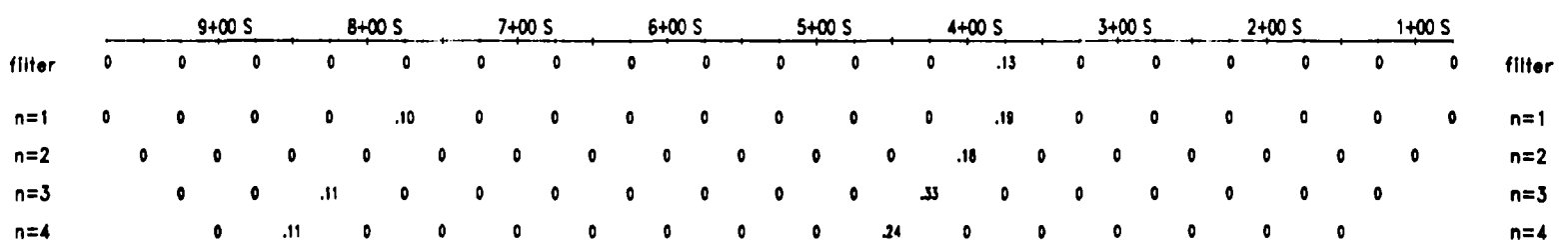
RESISTIVITY (Ohm * m)



CHARGEABILITY (mV/V)



INTERPRETATION



METAL FACTOR (ip/res * 100)

Filtered Profiles



Logarithmic Contours

1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6

Time cycle: 2 sec.

Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey

FALCONBRIDGE LTD

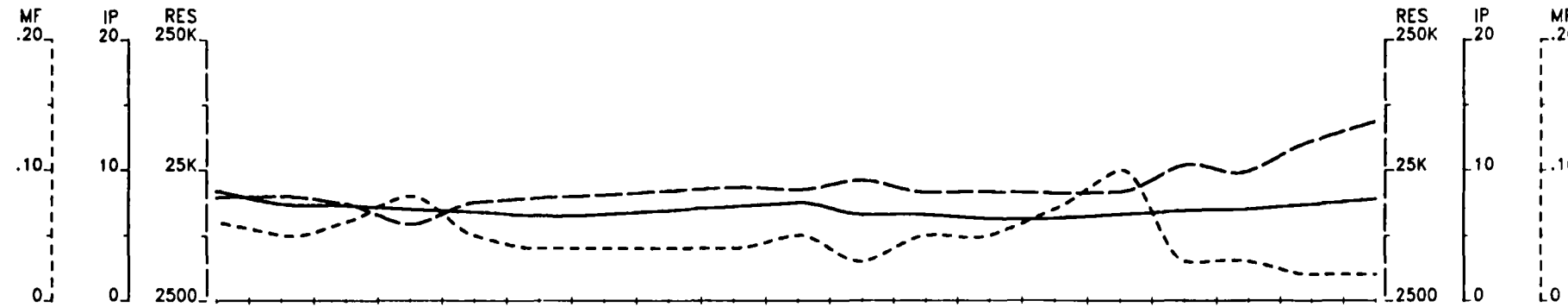
Wisner - Footwall Project
 Wisner Township

Date: 96/04/11

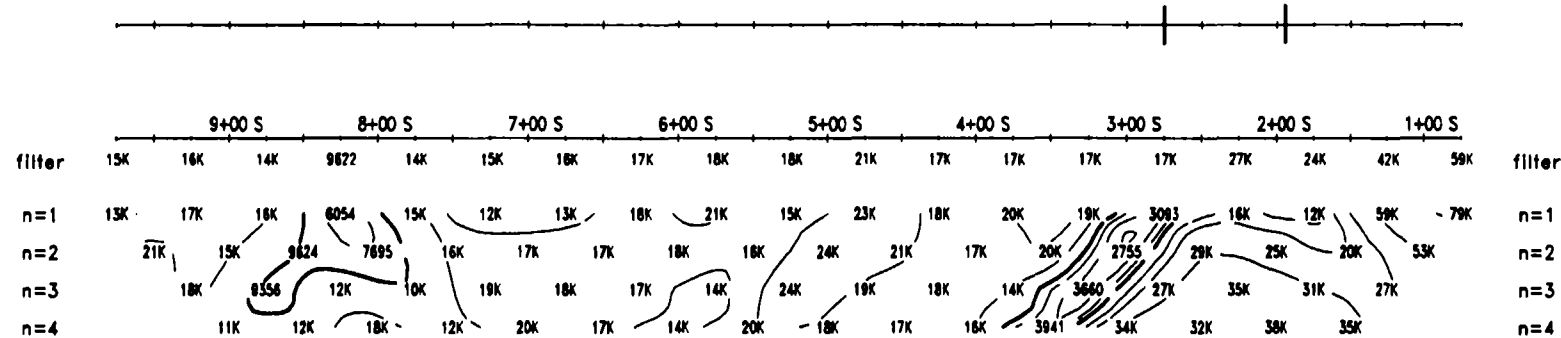
Interpretation by: P. Bolleau, P. Eng.

Scale 1 : 5000

VAL D'OR SAGAX INC.

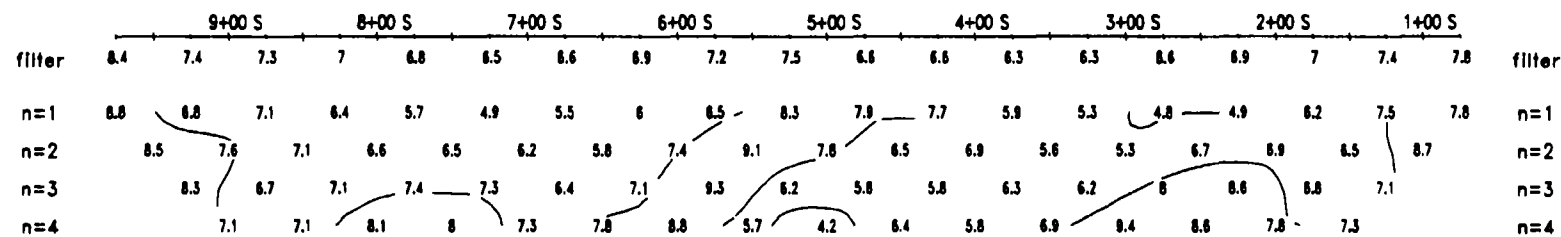


Beaver Pond



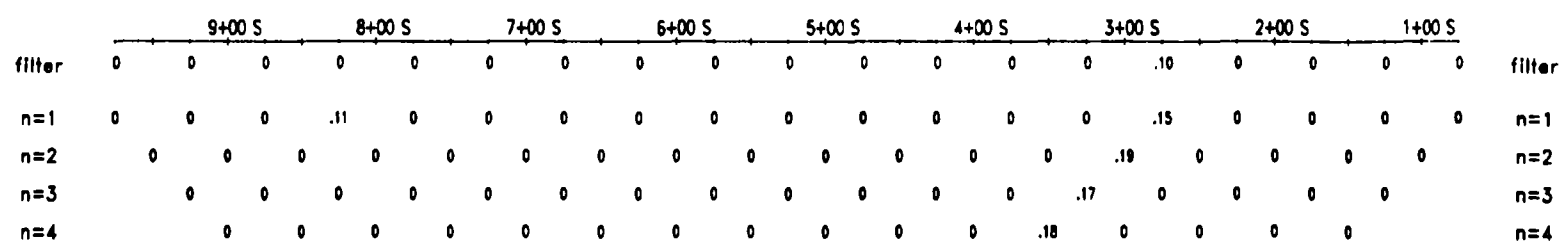
TOPOGRAPHY

RESISTIVITY
(Ohm * m)



CHARGEABILITY
(mV/V)

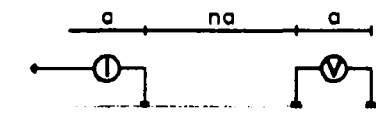
INTERPRETATION



METAL FACTOR
(Ip/res * 100)

Line 2200 W

Pole-Dipole Array



a = 50 M

n = 1, 2, 3, 4

plot point

Filtered Profiles



Logarithmic Contours

1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6

Time cycle: 2 sec.

Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey

FALCONBRIDGE LTD

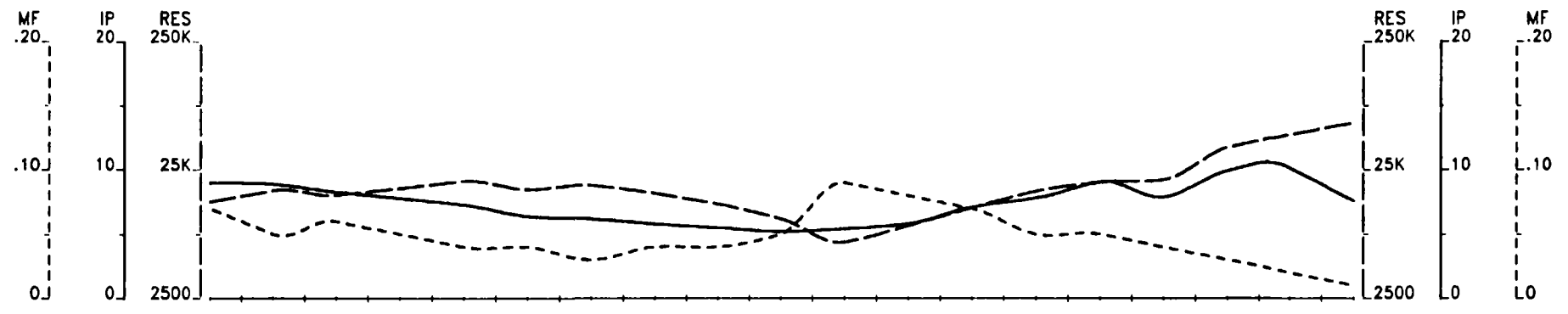
Wisner - Footwall Project
Wisner Township

Date: 96/04/10

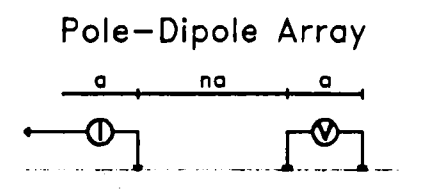
Interpretation by: P. Boileau, P. Eng.

Scale 1 : 5000

VAL D'OR SAGAX INC.

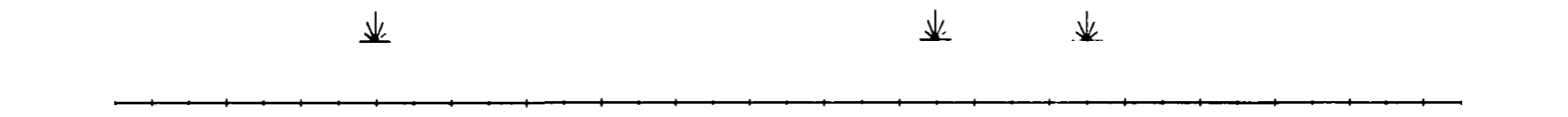


Line 2100 W

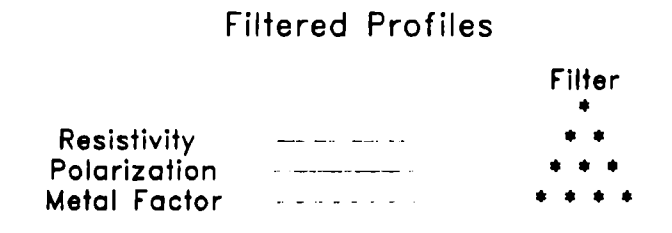
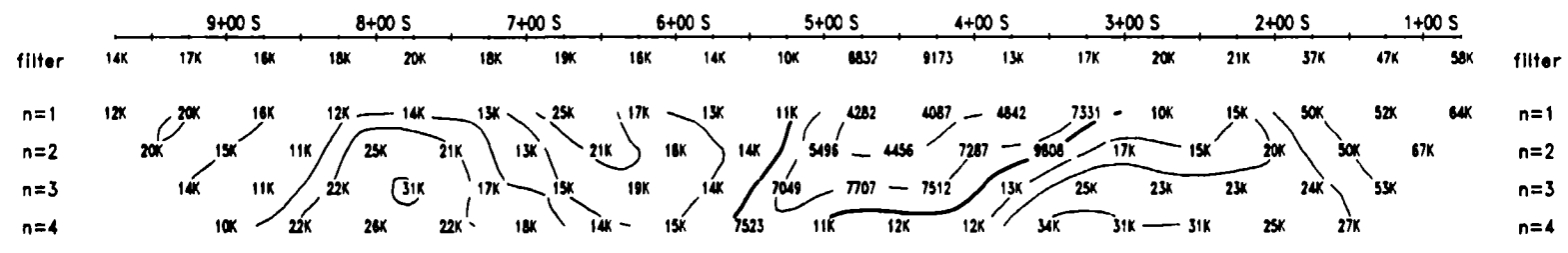


$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

TOPOGRAPHY



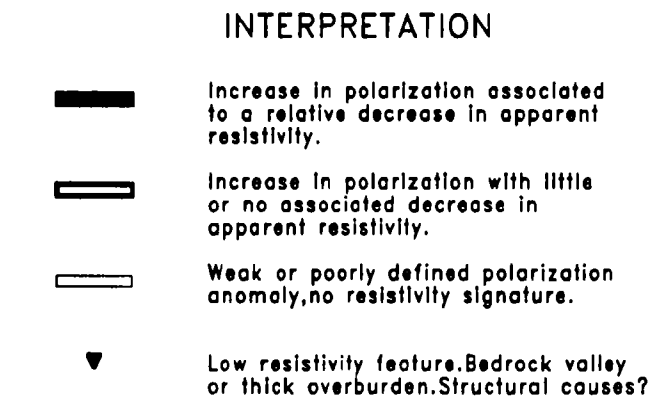
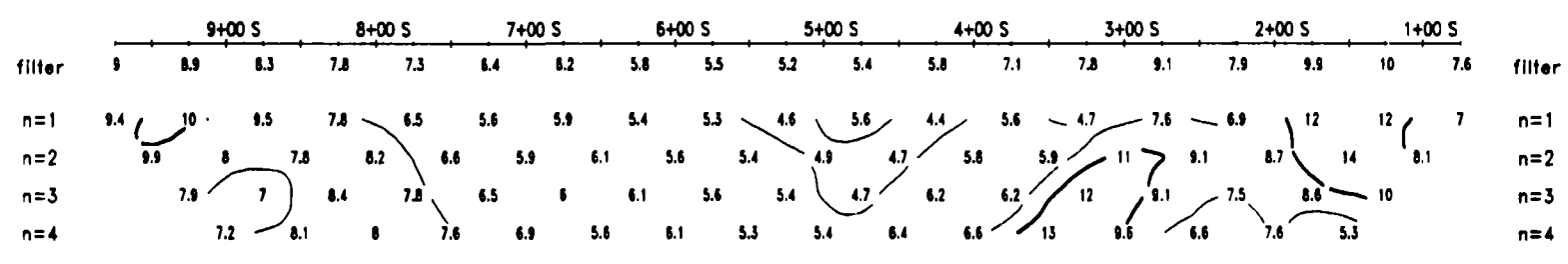
RESISTIVITY (Ohm * m)



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

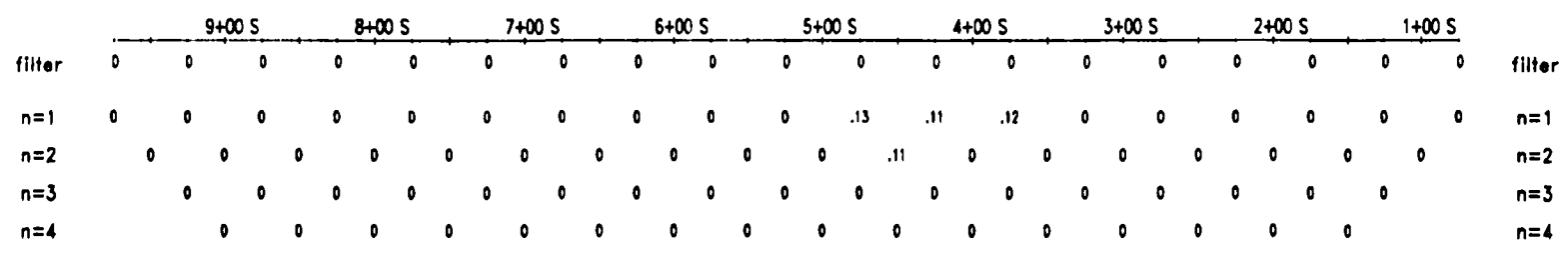
Instrument: PHOENIX IPT1,BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields

CHARGEABILITY (mV/V)



INTERPRETATION

METAL FACTOR (ip/res * 100)



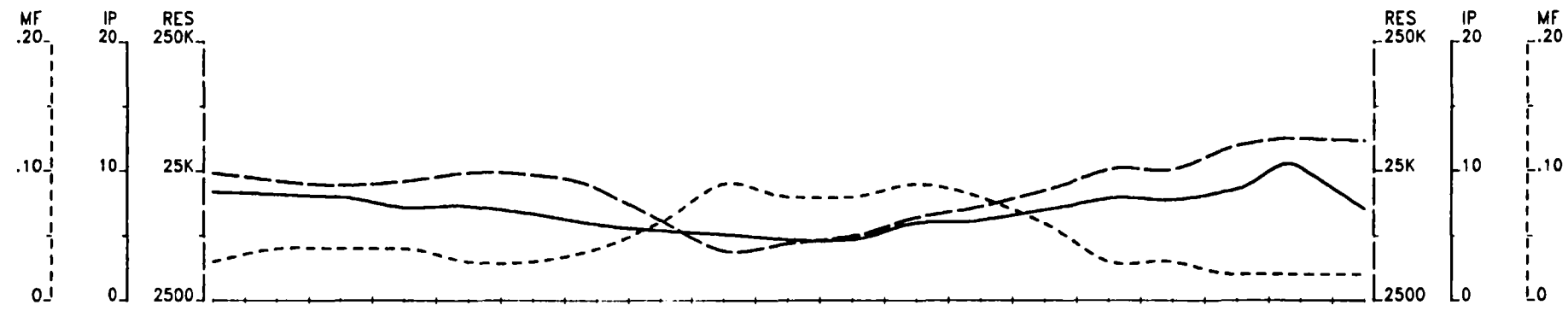
Induced Polarization Survey

FALCONBRIDGE LTD

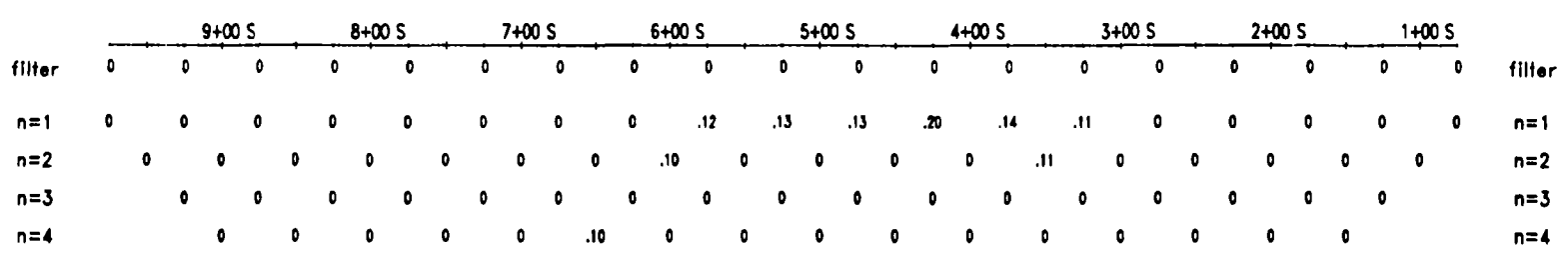
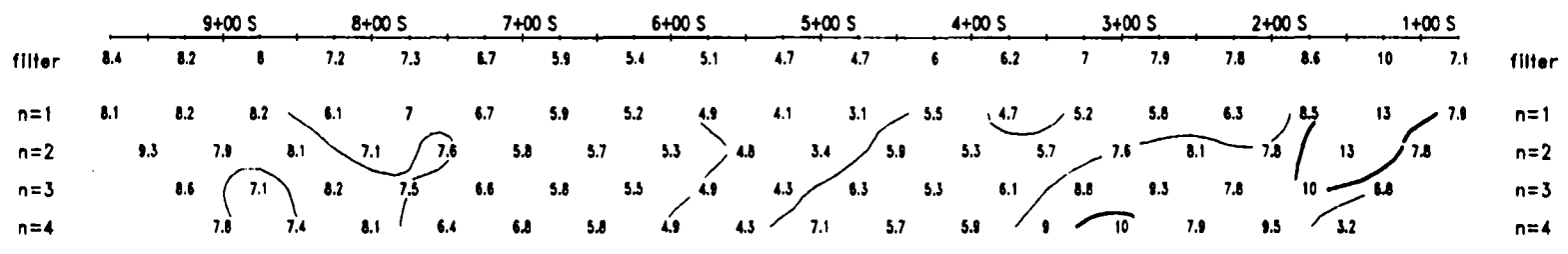
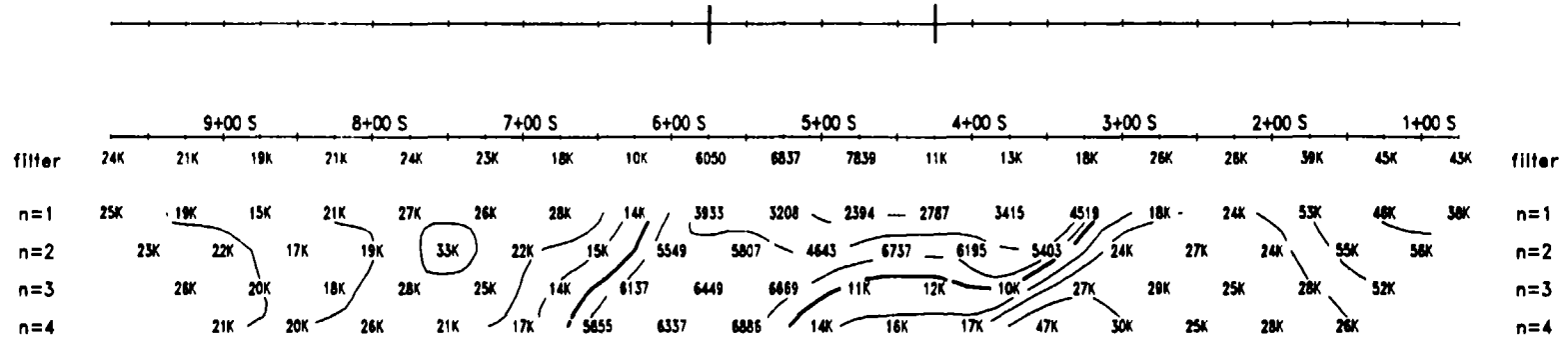
Wisner - Footwal Project
 Wisner Township

Date: 96/04/03
 Interpretation by: P. Bolleau, P. Eng.
 Scale 1 : 5000

VAL D'OR SAGAX INC.

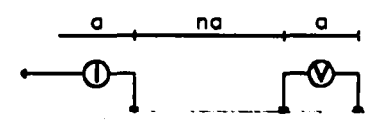


Beaver Pond



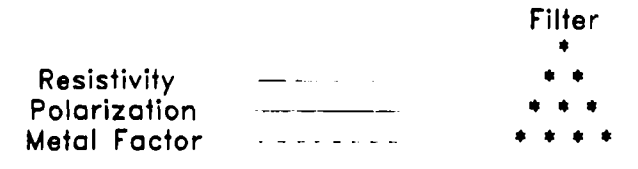
Line 2000 W

Pole-Dipole Array



$a = 50 \text{ M}$
 plot point $n = 1, 2, 3, 4$

Filtered Profiles



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,..

Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields

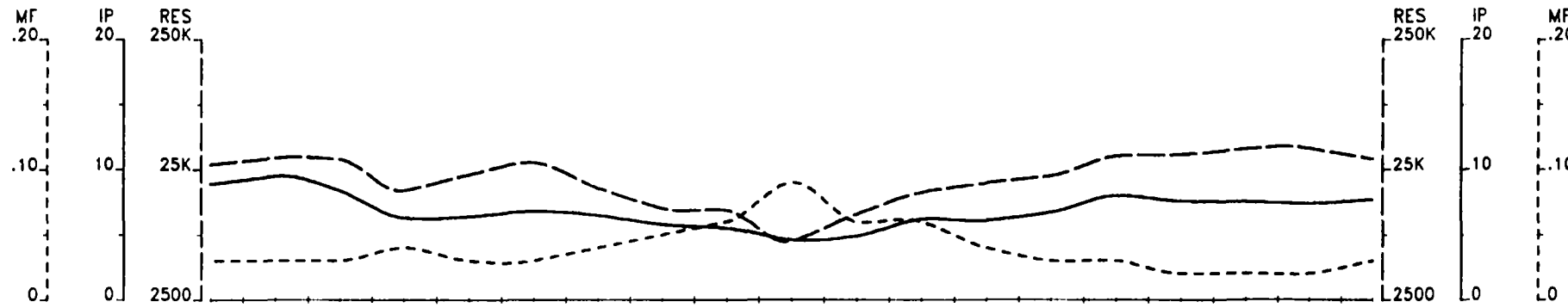
INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

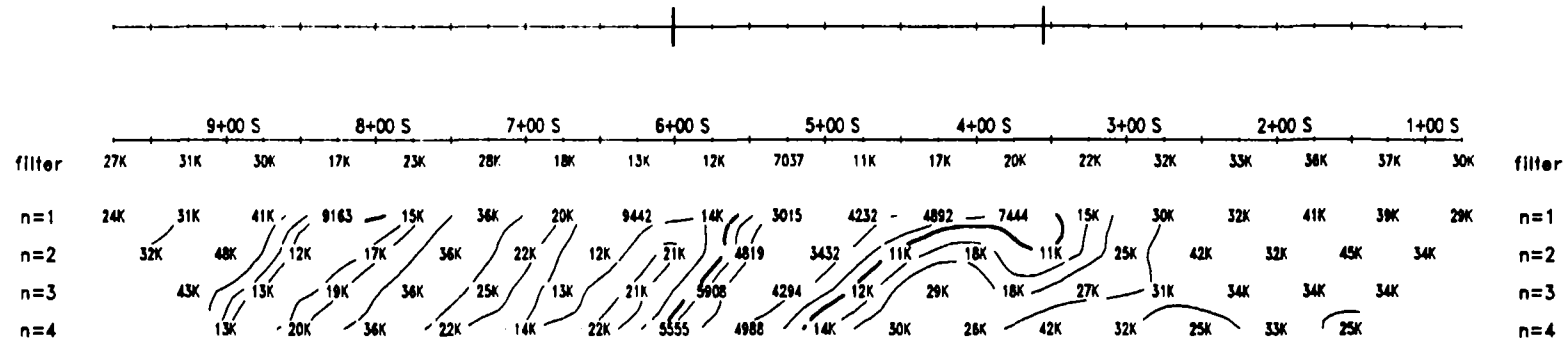
Induced Polarization Survey
FALCONBRIDGE LTD
 Wisner - Footwall Project
 Wisner Township

Date: 96/04/10
 Interpretation by: P. Bolleau, P. Eng.
 Scale 1 : 5000

VAL D'OR SAGAX INC.

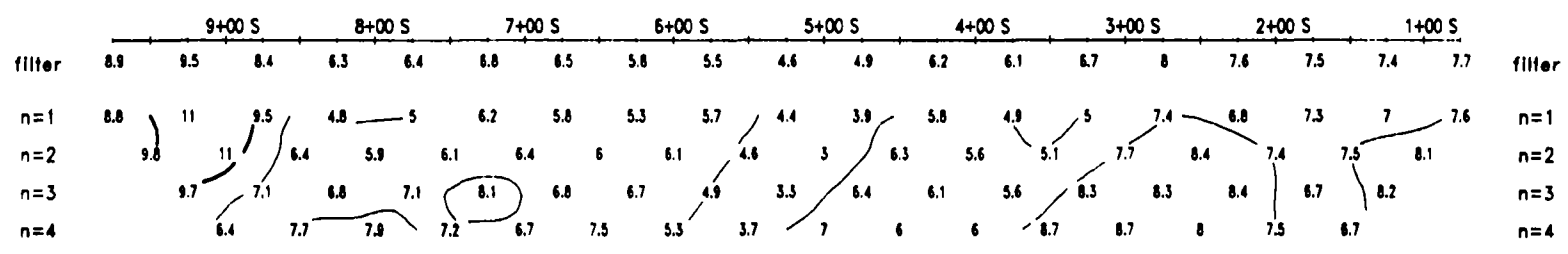


Beaver Pond



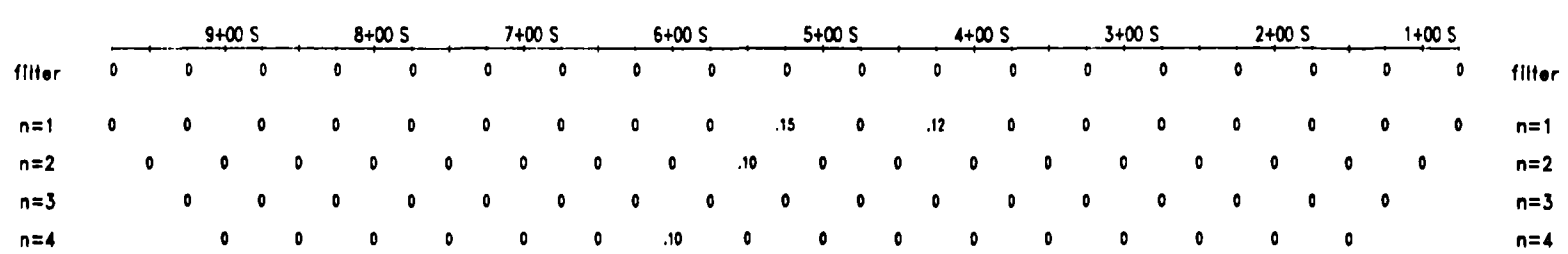
TOPOGRAPHY

RESISTIVITY (Ohm * m)



CHARGEABILITY (mV/V)

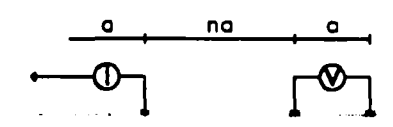
INTERPRETATION



METAL FACTOR (ip/res * 100)

Line 1900 W

Pole-Dipole Array



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

Filtered Profiles



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields

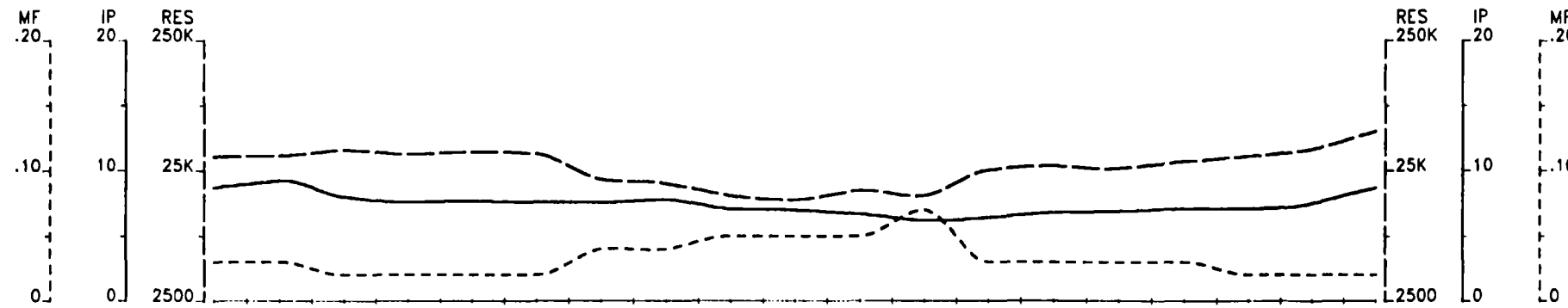
INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

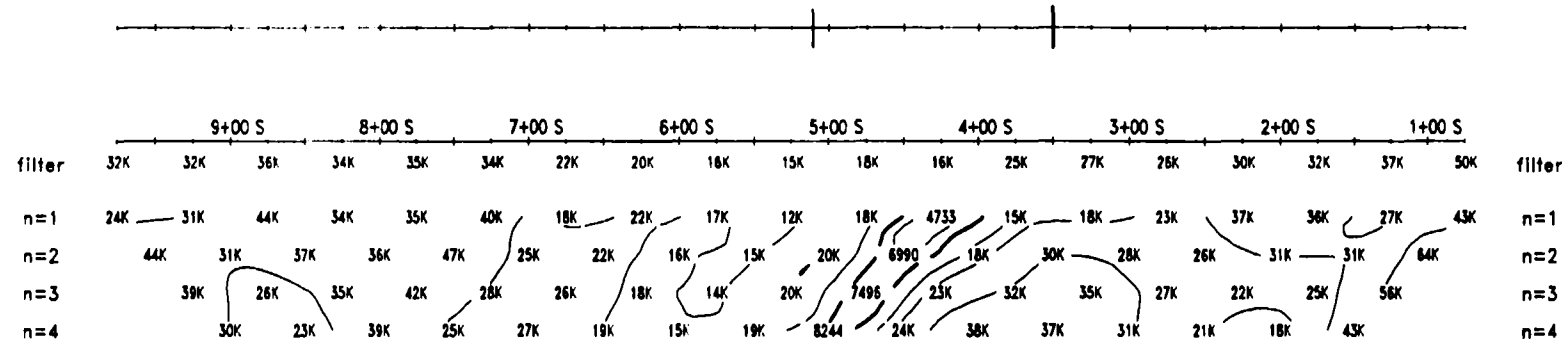
Induced Polarization Survey
FALCONBRIDGE LTD
 Wisner - Footwall Project
 Wisner Township

Date: 96/04/10
 Interpretation by: P. Bolleau, P. Eng.
 Scale 1 : 5000

VAL D'OR SAGAX INC.

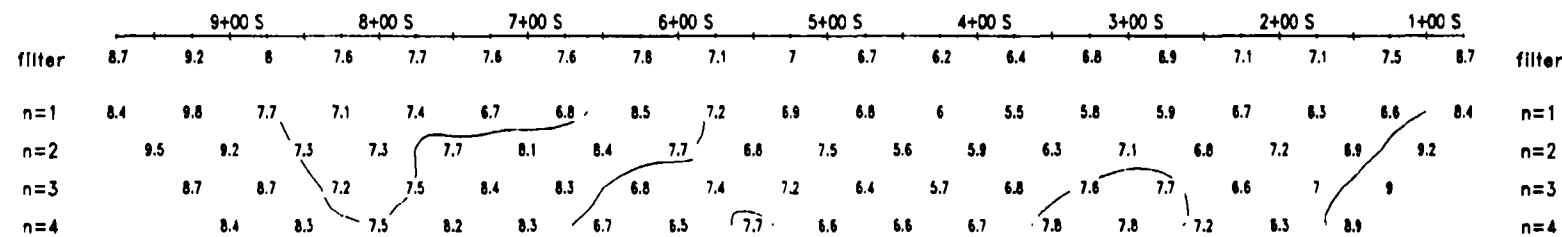


Beaver Pond



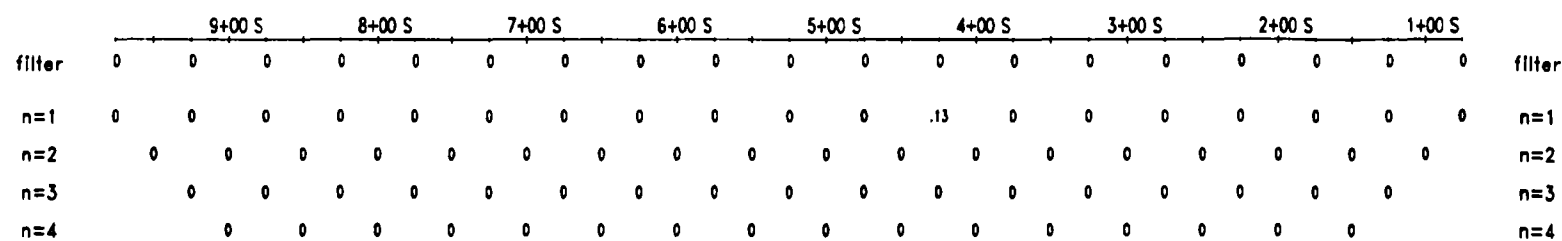
TOPOGRAPHY

RESISTIVITY
(Ohm * m)



CHARGEABILITY
(mV/V)

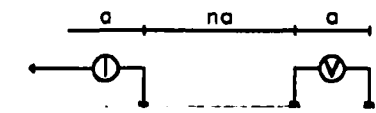
INTERPRETATION



METAL FACTOR
(ip/res * 100)

Line 1800 W

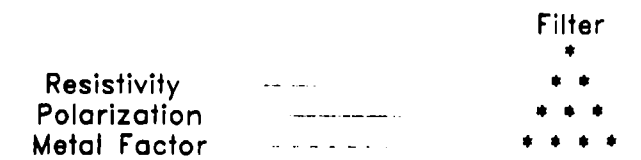
Pole-Dipole Array



a = 50 M
n = 1, 2, 3, 4

plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey

FALCONBRIDGE LTD

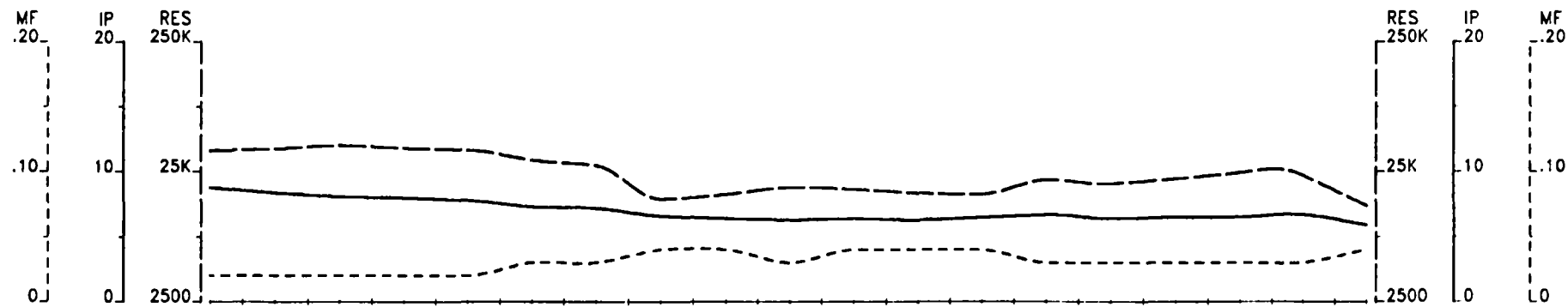
Wisner - Footwall Project
Wisner Township

Date: 96/04/16

Interpretation by: P. Bolleau, P. Eng.

Scale 1 : 5000

VAL D'OR SAGAX INC.



TOPOGRAPHY

	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S											
filter	36K	38K	40K	38K	37K	31K	28K	15K	17K	19K	18K	17K	17K	22K	20K	22K	25K	24K	14K	filter
n=1	34K	38K	48K	41K	40K	30K	35K	11K	12K	15K	14K	15K	14K	23K	16K	21K	27K	28K	11K	n=1
n=2		41K	42K	39K	45K	32K	41K	16K	14K	16K	21K	16K	13K	20K	23K	20K	25K	29K	18K	n=2
n=3			42K	33K	41K	32K	42K	17K	16K	17K	23K	23K	13K	21K	19K	23K	23K	25K	17K	n=3
n=4				33K	35K	31K	40K	17K	17K	19K	24K	25K	17K	20K	21K	19K	25K	24K	18K	n=4

RESISTIVITY
(Ohm * m)

	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S											
filter	8.8	8.4	8.1	8	7.8	7.3	7.2	6.6	6.4	6.3	6.4	6.3	6.5	6.7	6.4	6.5	6.5	6.7	5.9	filter
n=1	8.5	7.8	7.7	8.1	8.2	6.8	7.3	5.8	5.7	5.7	6	5.7	6.2	6.2	5.7	6.1	5.9	6.6	5.5	n=1
n=2		9.2	8.1	7.9	8	7.4	7.6	6.9	6.6	6.1	6.4	6.4	5.7	6.8	6.5	6.3	6.3	7.2	5.8	n=2
n=3			9.3	8.4	7.8	7.4	7.8	6.9	7	8.4	8.6	6.3	6.2	7	7	6.7	6.3	7.3	6.5	n=3
n=4				9.2	8.2	7.5	7.9	6.8	7.2	6.6	7.2	6.6	6.1	7.4	7.1	7	6.4	7.1	6.7	n=4

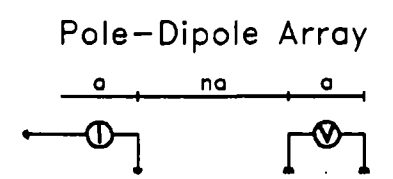
CHARGEABILITY
(mV/V)

	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S											
filter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	filter
n=1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	n=1
n=2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	n=2
n=3			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	n=3
n=4				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	n=4

INTERPRETATION

METAL FACTOR
(ip/res * 100)

Line 1700 W



a = 50 M
n = 1, 2, 3, 4
plot point

Filtered Profiles

	Filter
Resistivity	---
Polarization	***
Metal Factor	*****

Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1,BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

INTERPRETATION

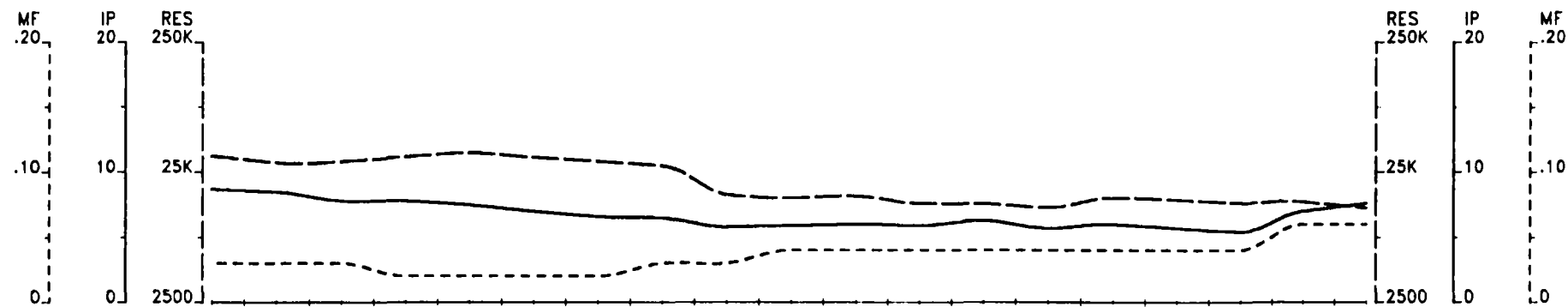
- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey

FALCONBRIDGE LTD
Wisner - Footwal Project
Wisner Township

Date: 96/04/03
Interpretation by: P. Boileau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.



TOPOGRAPHY

RESISTIVITY
(Ohm * m)

filter	9+00 S	30K	30K	33K	35K	33K	30K	28K	17K	16K	16K	14K	14K	13K	16K	15K	14K	15K	13K	filter
n=1	38K	34K	29K	33K	38K	33K	31K	38K	15K	9936	13K	12K	15K	12K	17K	13K	7144	8712	11K	n=1
n=2	32K	28K	37K	35K	38K	32K	41K	17K	15K	17K	14K	15K	12K	15K	15K	11K	16K	12K		n=2
n=3		28K	28K	37K	33K	34K	36K	17K	16K	22K	17K	18K	12K	15K	14K	15K	21K	18K		n=3
n=4		28K	28K	35K	29K	37K	15K	18K	22K	20K	17K	14K	14K	14K	16K	26K	21K			n=4

CHARGEABILITY
(mV/V)

filter	9+00 S	8.5	7.8	7.8	7.5	7	6.6	6.5	5.8	5.9	6	5.9	6.3	5.7	6	5.7	5.4	7	7.6	filter
n=1	9.1	9.1	7.7	8.2	7.4	6.9	6.1	6.6	4.9	5.1	5.3	4.5	5.7	4.6	6.4	5.6	4.5	7.2	8.6	n=1
n=2		9.1	8	7.8	8	7.3	6.5	6.8	5.8	5.7	5.9	5.4	6.6	5.7	6.2	6.3	5.4	5.3	9.3	n=2
n=3		8.1	7.7	7.6	7.5	7.1	7.1	5.9	8.1	8	6.1	7.1	6.2	6.7	5.7	5.2	5.1	7.8		n=3
n=4		7.6	7.7	7.3	7.3	7.6	6.3	6.4	6.4	6.2	7.6	6.5	7	5.8	4.5	5.3	7.7			n=4

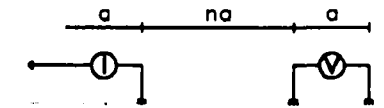
INTERPRETATION

METAL FACTOR
(ip/res * 100)

filter	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S	filter
n=1	0	0	0	0	0	0	0	0	0	n=1
n=2	0	0	0	0	0	0	0	0	0	n=2
n=3	0	0	0	0	0	0	0	0	0	n=3
n=4	0	0	0	0	0	0	0	0	0	n=4

Line 1600 W

Pole-Dipole Array



a = 50 M

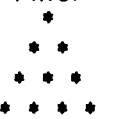
n = 1, 2, 3, 4

plot point

Filtered Profiles

Resistivity
Polarization
Metal Factor

Filter



Logarithmic Contours

1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6

Time cycle: 2 sec.

Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey

FALCONBRIDGE LTD

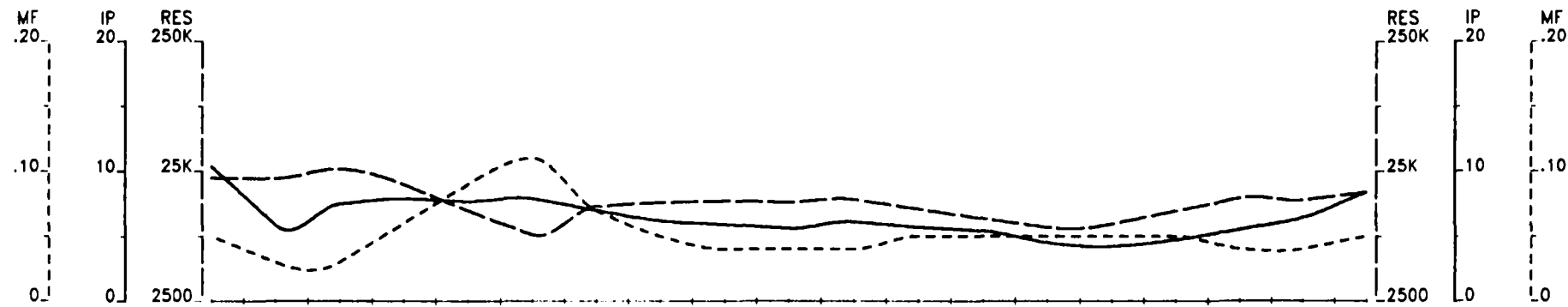
Wisner - Footwal Project
Wisner Township

Date: 96/04/03

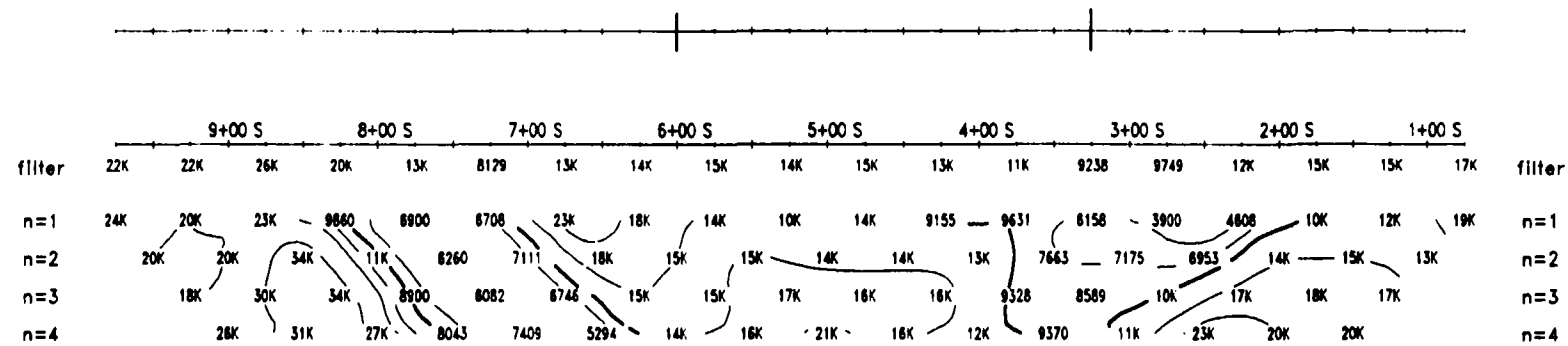
Interpretation by: P. Boileau, P. Eng.

Scale 1 : 5000

VAL D'OR SAGAX INC.

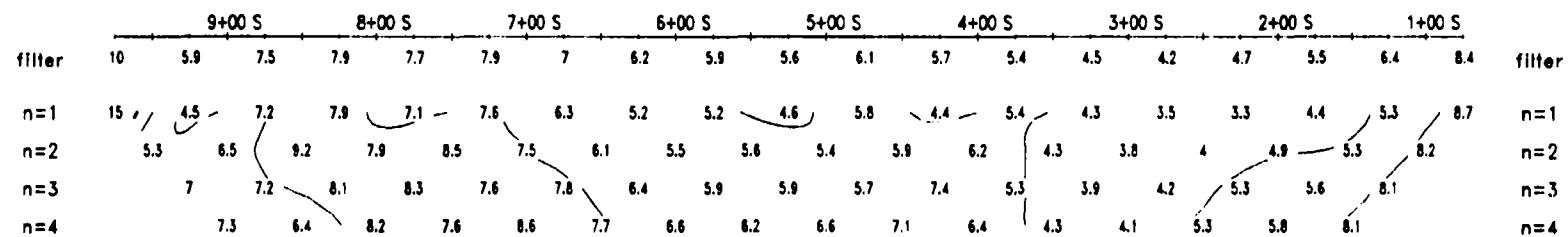


Follows Creek

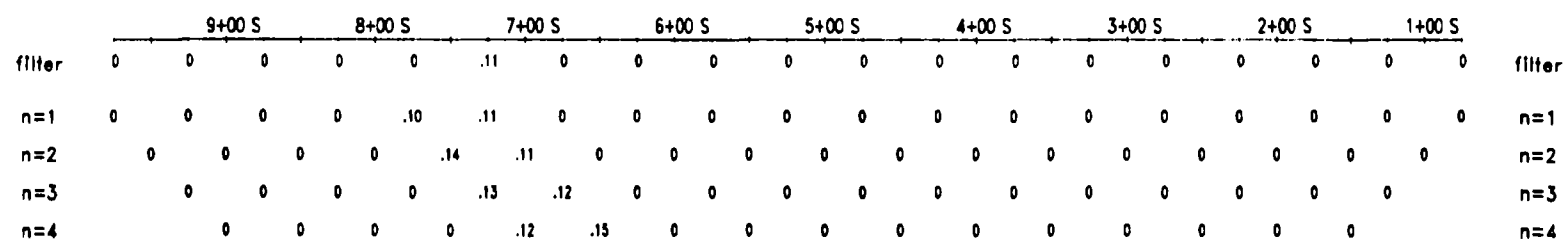


TOPOGRAPHY

RESISTIVITY
(Ohm * m)



CHARGEABILITY
(mV/V)

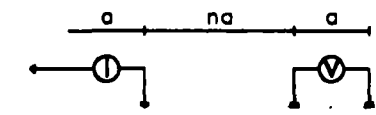


INTERPRETATION

METAL FACTOR
(ip/res * 100)

Line 1500 W

Pole-Dipole Array



a = 50 M

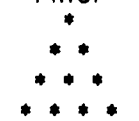
n = 1, 2, 3, 4

plot point

Filtered Profiles

Resistivity
Polarization
Metal Factor

Filter



Logarithmic Contours

1, 1.5, 2, 3, 5, 7.5, 10,..

Instrument: PHOENIX IPT1, BRGM IP-6

Time cycle: 2 sec.

Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project

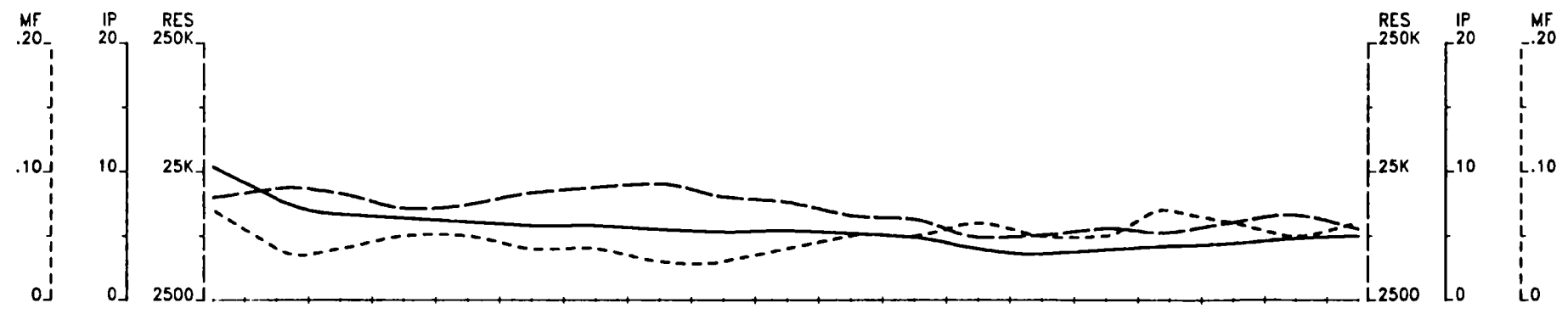
Wisner Township

Date: 96/04/11

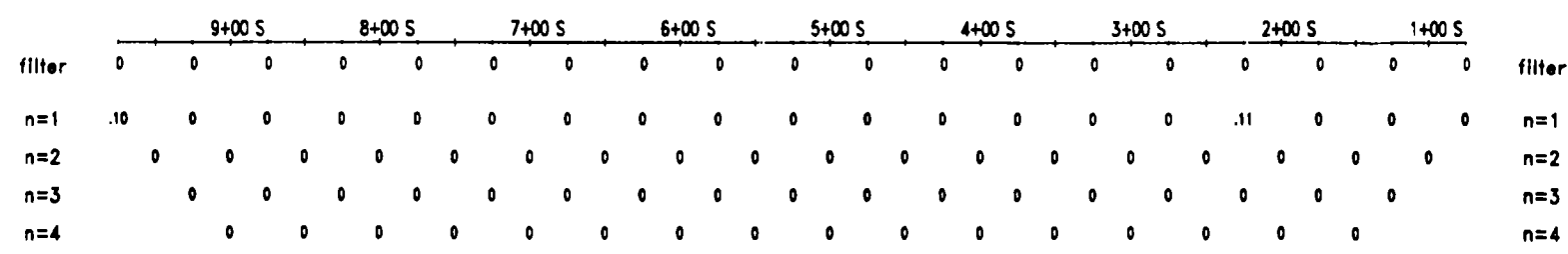
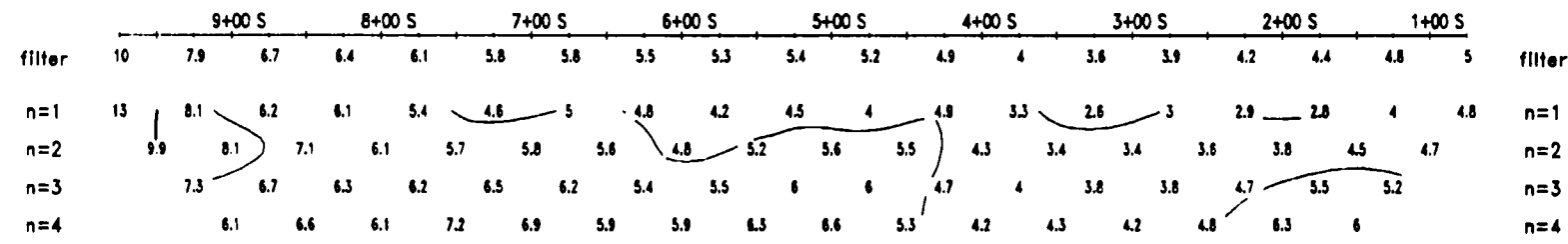
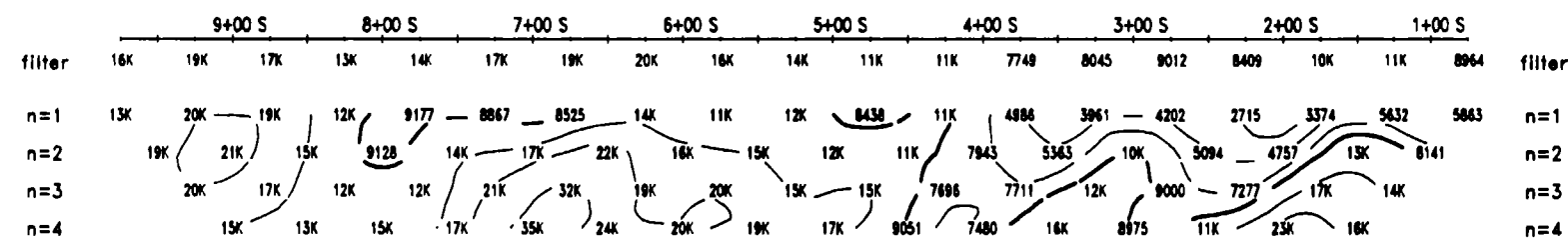
Interpretation by: P. Bolleau, P. Eng.

Scale 1 : 5000

VAL D'OR SAGAX INC.



Open Creek Beaver Lake



TOPOGRAPHY

RESISTIVITY
(Ohm * m)

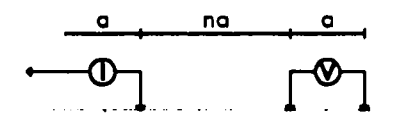
CHARGEABILITY
(mV/V)

INTERPRETATION

METAL FACTOR
(ip/res * 100)

Line 1400 W

Pole-Dipole Array



a = 50 M
n = 1, 2, 3, 4
plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1,BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

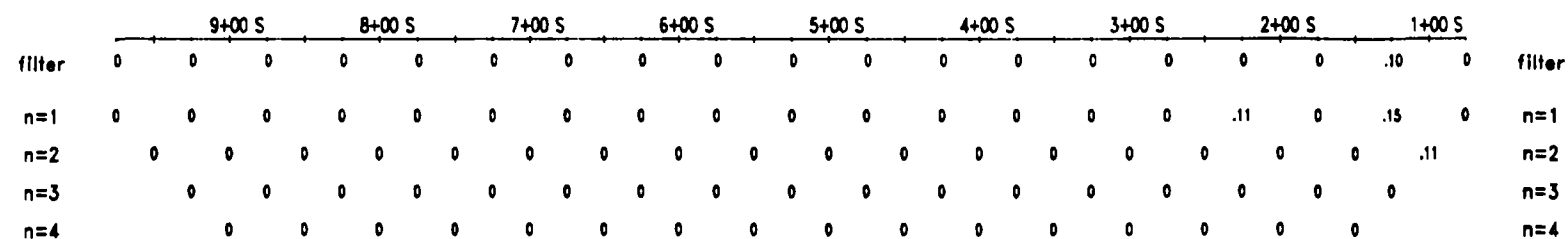
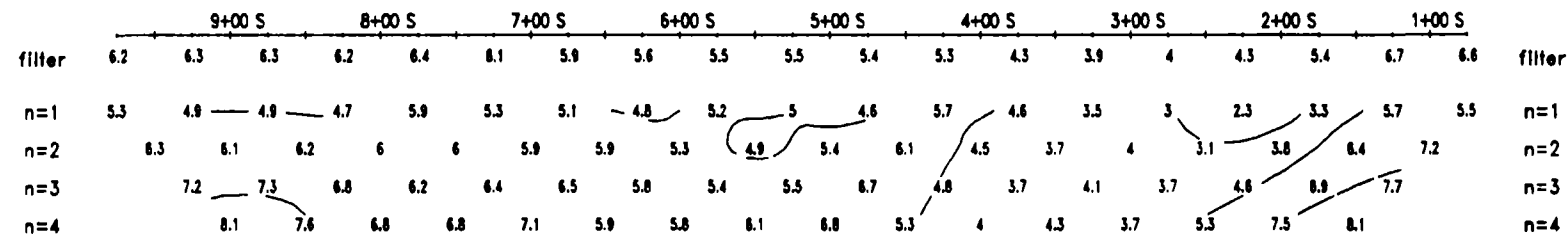
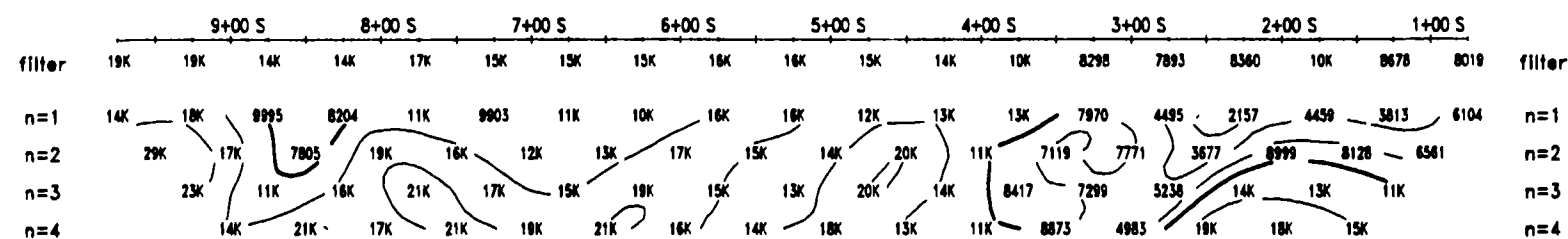
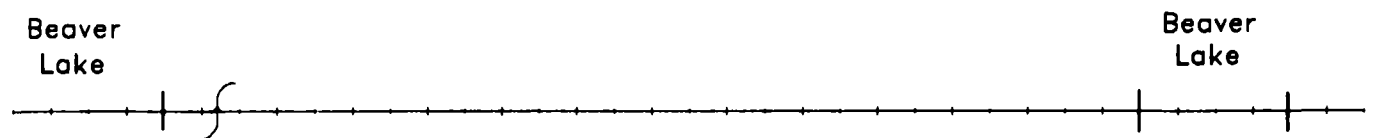
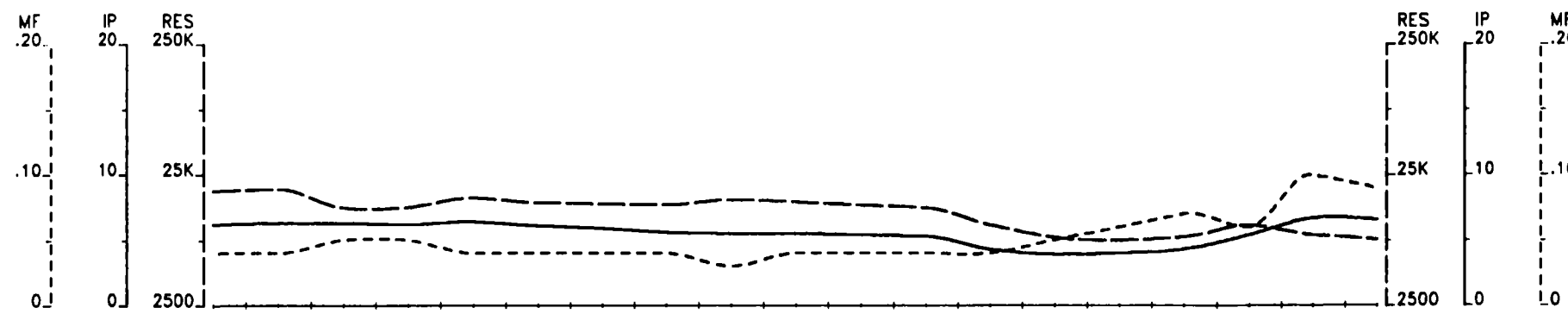
Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwal Project
Wisner Township

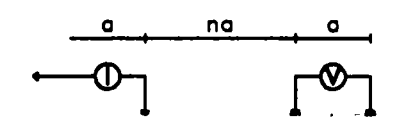
Date: 96/04/03
Interpretation by: P. Bolleau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.



Line 1300 W

Pole-Dipole Array



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

Filtered Profiles



Logarithmic Contours

1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6

Time cycle: 2 sec.

Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwal Project

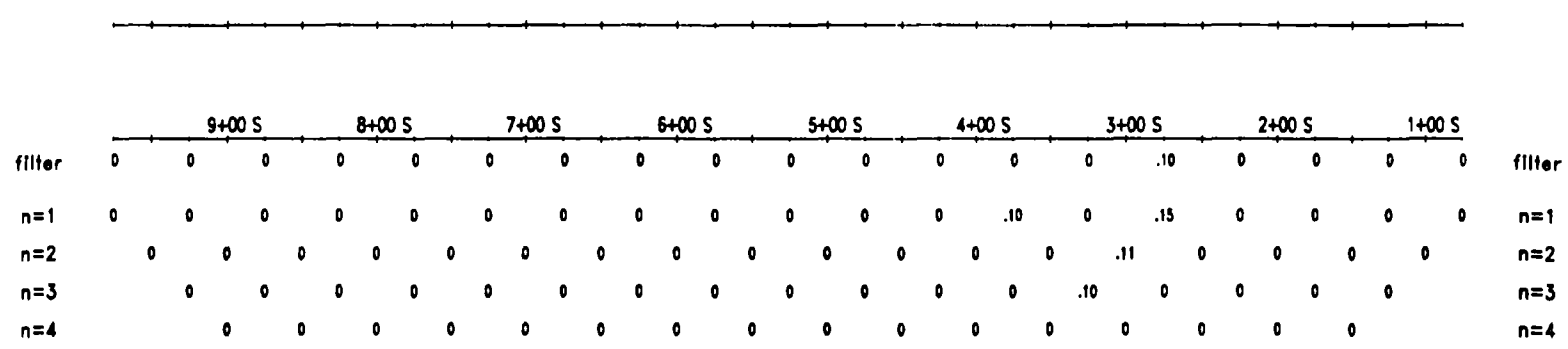
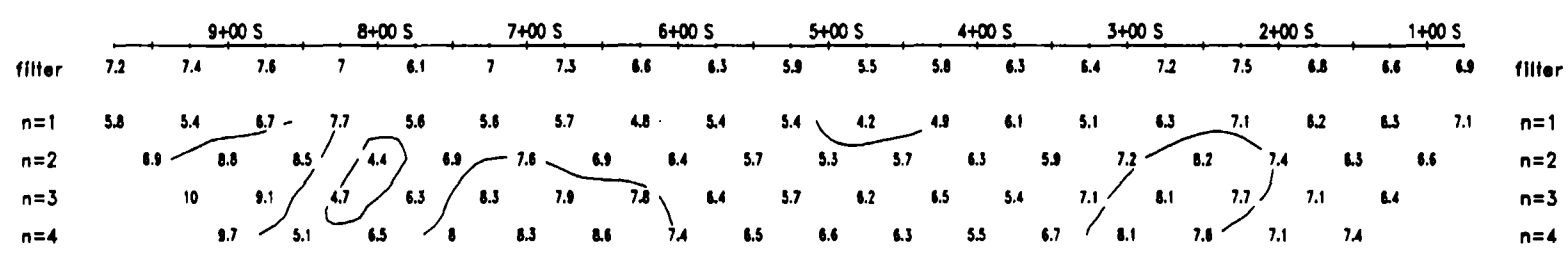
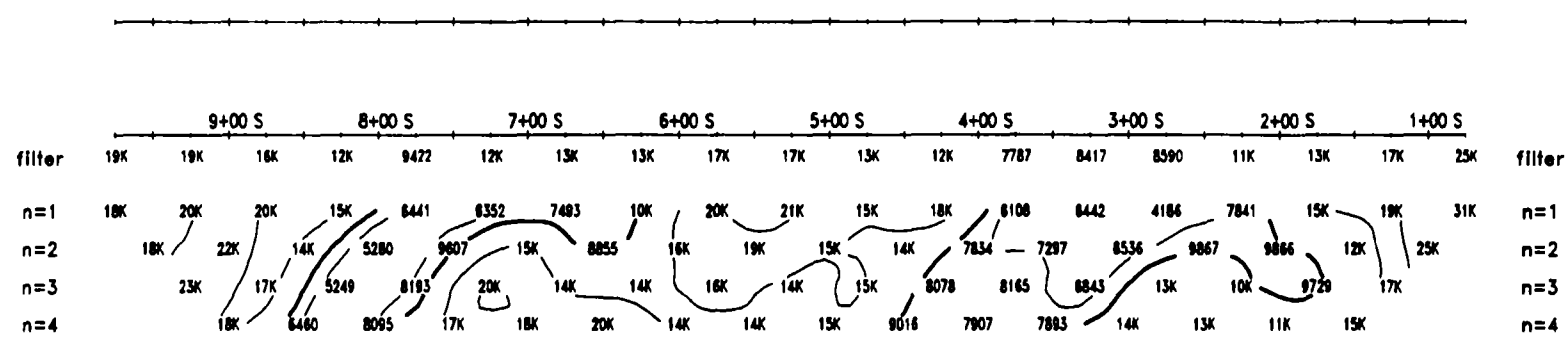
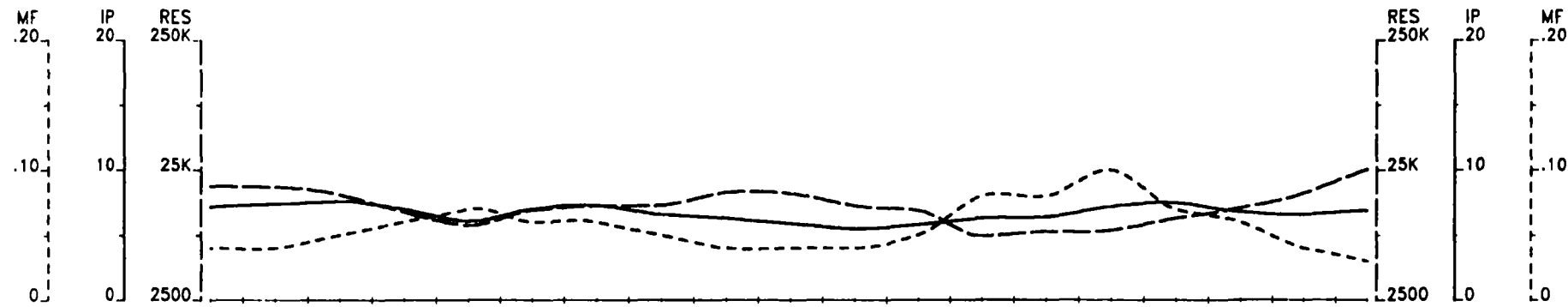
Wisner Township

Date: 96/04/03

Interpretation by: P. Bolleau, P. Eng.

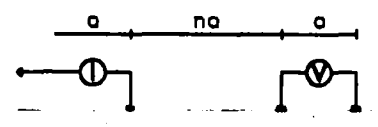
Scale 1 : 5000

VAL D'OR SAGAX INC.



Line 1200 W

Pole-Dipole Array



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

Filtered Profiles



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

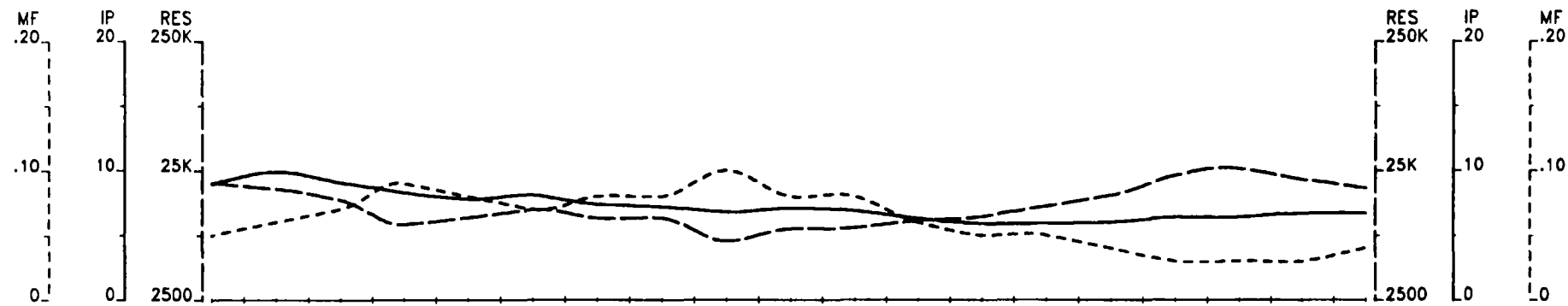
Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwal Project
 Wisner Township

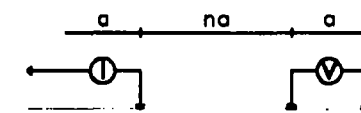
Date: 96/04/03
 Interpretation by: P. Boileau, P. Eng.
 Scale 1 : 5000

VAL D'OR SAGAX INC.



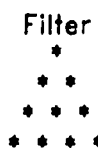
Line 1100 W

Pole-Dipole Array



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

Filtered Profiles



Resistivity
 Polarization
 Metal Factor

Logarithmic Contours

1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6

Time cycle: 2 sec.

Operator: Gerry Shields

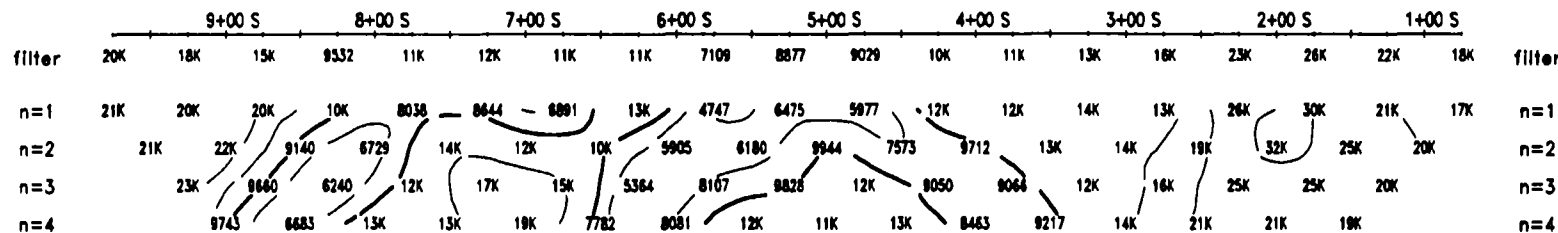
INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

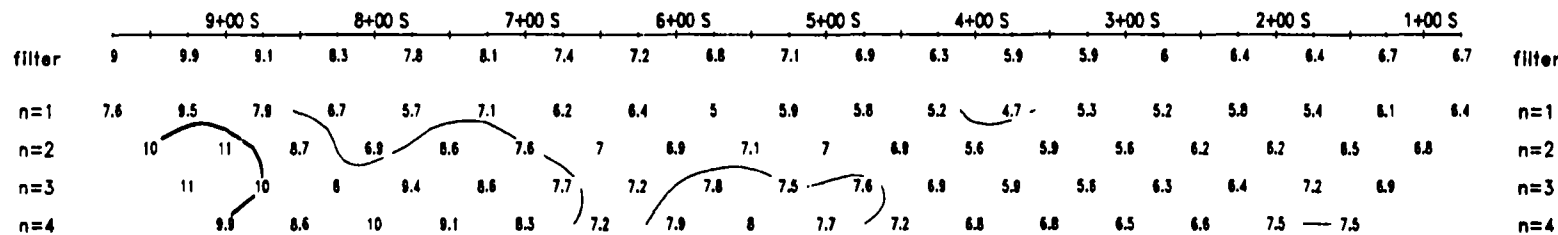
TOPOGRAPHY



RESISTIVITY (Ohm * m)



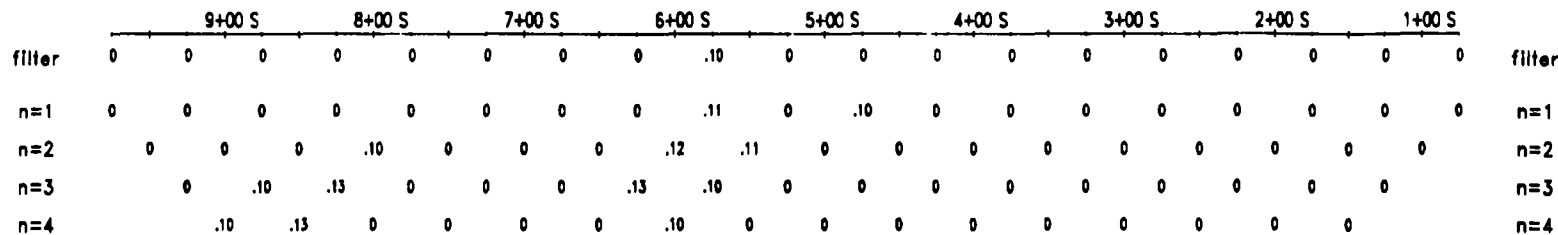
CHARGEABILITY (mV/V)



INTERPRETATION



METAL FACTOR (ip/res * 100)



Induced Polarization Survey

FALCONBRIDGE LTD

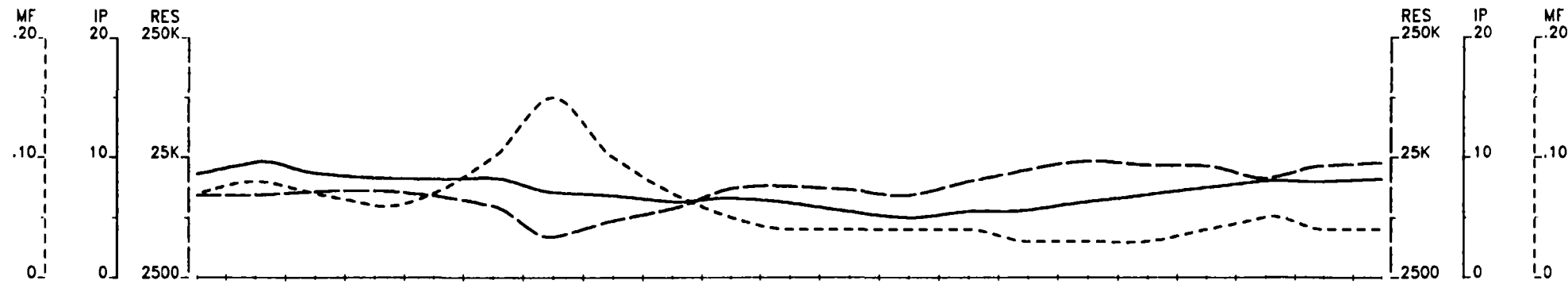
Wisner - Footwall Project
 Wisner Township

Date: 96/04/11

Interpretation by: P. Bolleau, P. Eng.

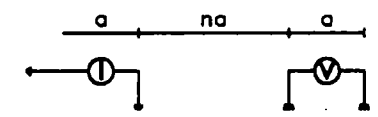
Scale 1 : 5000

VAL D'OR SAGAX INC.



Line 1000 W

Pole-Dipole Array



a = 50 M
n = 1, 2, 3, 4

plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

TOPOGRAPHY

RESISTIVITY (Ohm * m)

CHARGEABILITY (mV/V)

INTERPRETATION

METAL FACTOR (ip/res * 100)

filter	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S	0+00	filter										
n=1	12K	12K	13K	13K	12K	9907	5443	7380	9305	14K	14K	13K	12K	16K	20K	23K	22K	21K	17K	21K	23K
n=2	13K	14K	15K	15K	13K	13K	3216	4999	5278	11K	12K	14K	9171	11K	15K	27K	26K	30K	14K	23K	23K
n=3	12K	12K	14K	14K	13K	4187	5478	6741	9442	20K	14K	11K	9561	20K	23K	25K	23K	18K	19K	25K	
n=4	11K	12K	13K	15K	15K	5272	6524	5890	11K	17K	18K	9774	15K	17K	26K	22K	20K	14K	20K	20K	

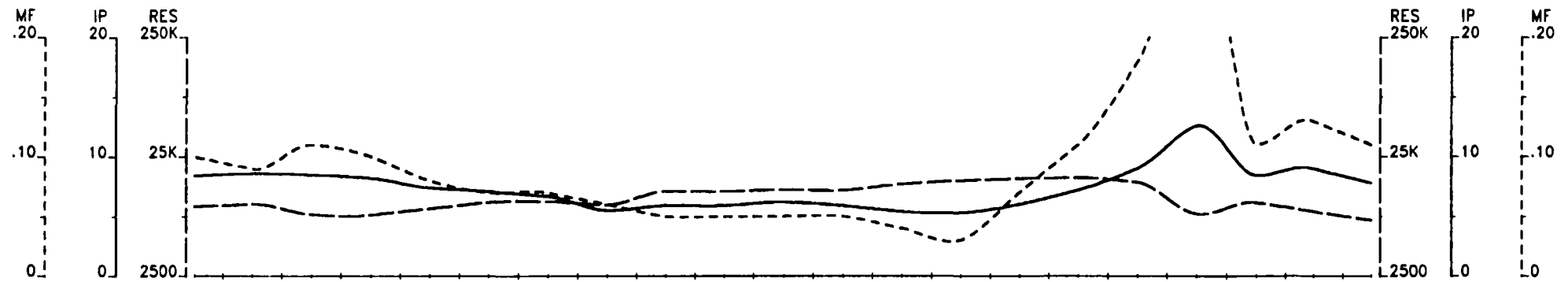
filter	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S	0+00	filter										
n=1	8.6	9.6	8.7	8.3	8.2	8.3	7.1	6.8	6.3	6.6	6.2	5.5	5	5.5	5.6	6.3	6.8	7.5	8	8	8.2
n=2	7.9	11	8.5	8	7.7	9.6	7.1	6.1	4.3	5.2	5.4	5	4.4	5.4	4.8	5.5	6	6.9	7.3	7	7.7
n=3	9.7	9.7	8.3	8.4	9.8	7.1	7.9	6	6.5	6.9	5.6	4.8	5.1	5.4	5.4	6.5	6.5	7.9	8.1	8.2	
n=4	9.1	8.8	7.8	8.8	7.1	7.3	6.4	7.3	7.8	6.5	5.1	5.1	5.1	6.1	6.8	6.8	7.9	8.4	9.1		

filter	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S	0+00	filter										
n=1	0	0	0	0	0	.10	.15	.10	0	0	0	0	0	0	0	0	0	0	0	0	0
n=2	0	0	0	0	0	0	.22	.12	0	0	0	0	0	0	0	0	0	0	0	0	0
n=3	0	0	0	0	0	.17	.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
n=4	0	0	0	0	.13	.11	.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Induced Polarization Survey
FALCONBRIDGE LTD
Wisner - Footwall Project
Wisner Township

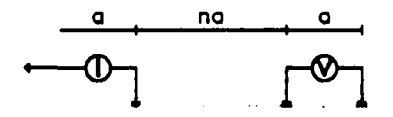
Date: 96/04/10
Interpretation by: P. Bolleau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.

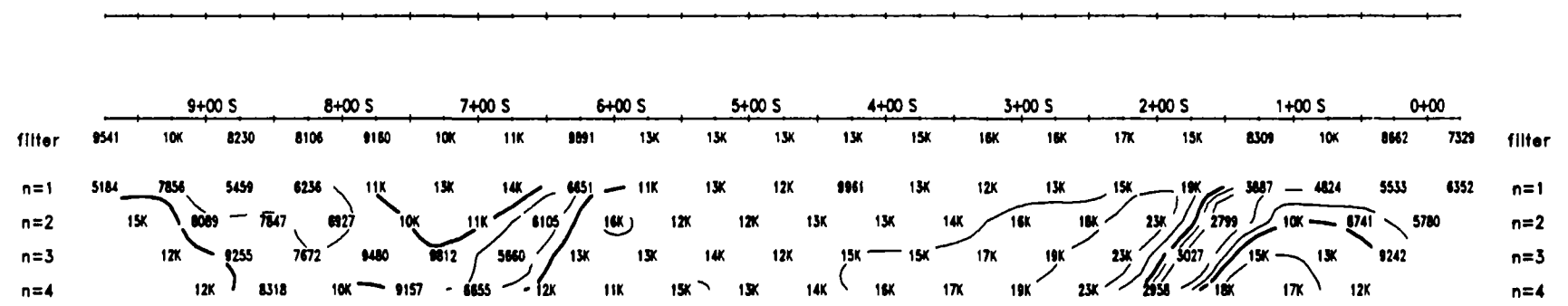


Line 900 W

Pole-Dipole Array



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point



TOPOGRAPHY

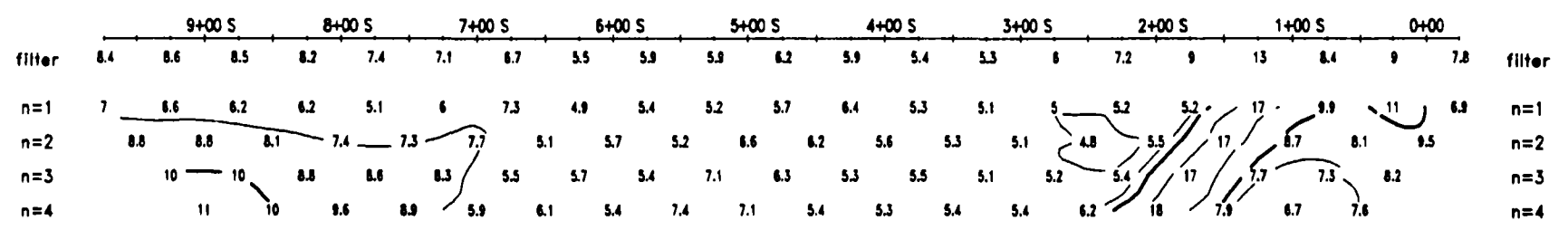
RESISTIVITY (Ohm * m)

Filtered Profiles



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

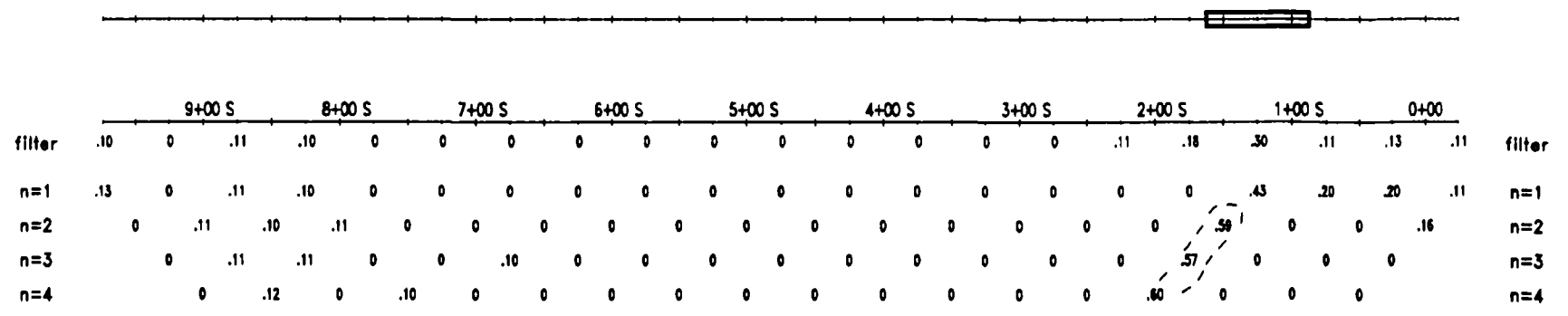
Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields



CHARGEABILITY (mV/V)

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?



INTERPRETATION

METAL FACTOR (ip/res * 100)

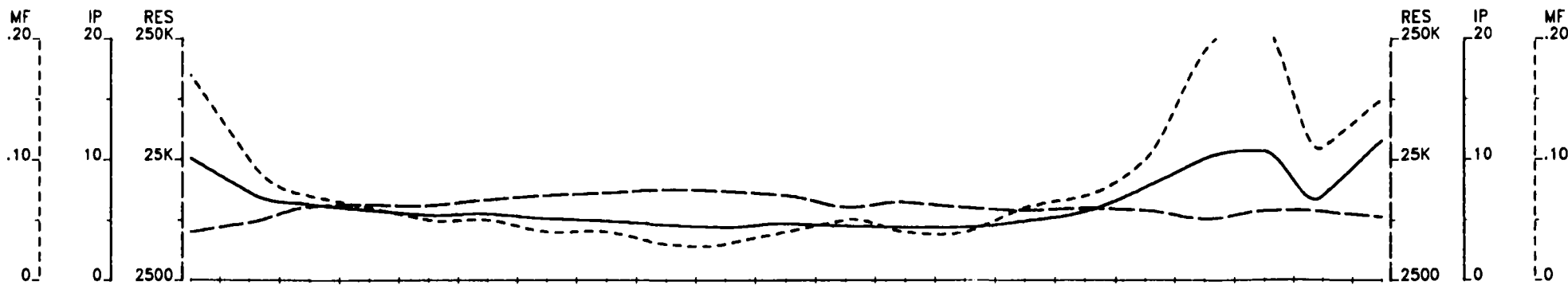
Induced Polarization Survey

FALCONBRIDGE LTD

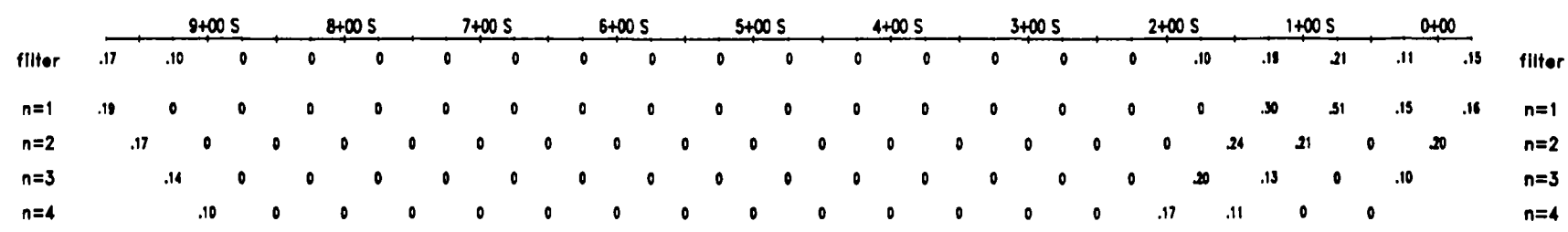
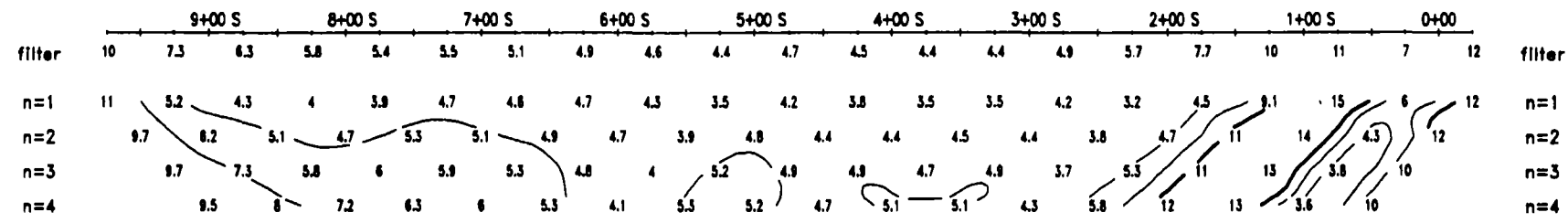
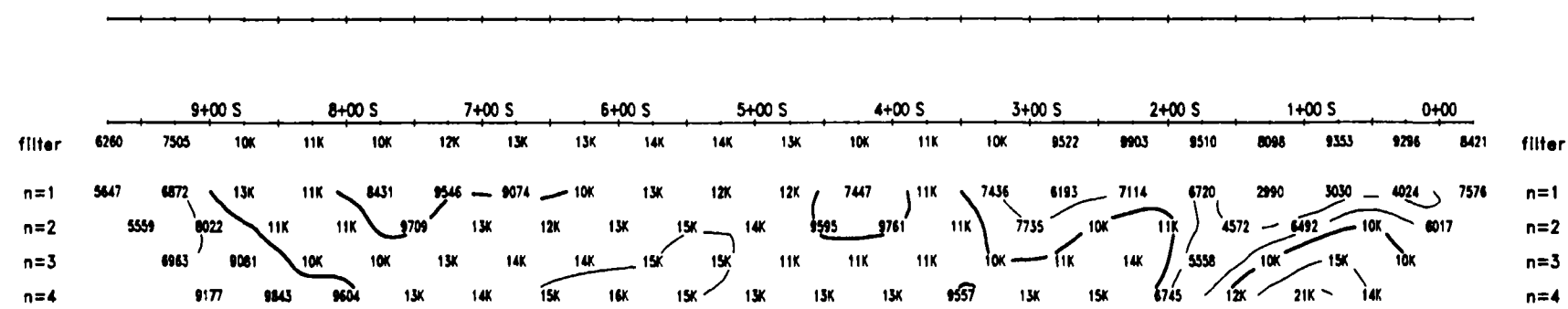
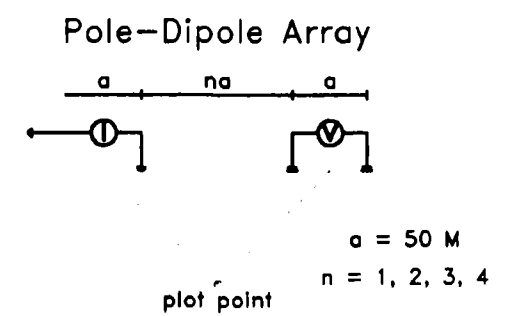
Wisner - Footwall Project
 Wisner Township

Date: 96/04/10
 Interpretation by: P. Bolleau, P. Eng.
 Scale 1 : 5000

VAL D'OR SAGAX INC.



Line 800 W



TOPOGRAPHY

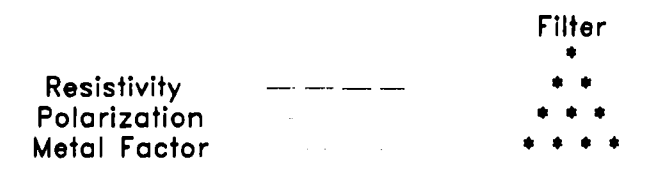
RESISTIVITY (Ohm * m)

CHARGEABILITY (mV/V)

INTERPRETATION

METAL FACTOR (ip/res * 100)

Filtered Profiles



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

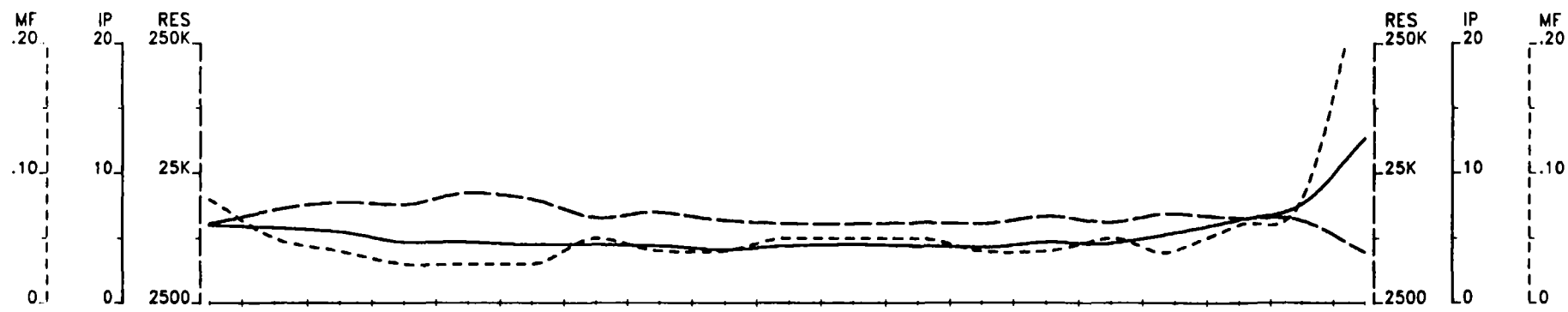
Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project
 Wisner Township

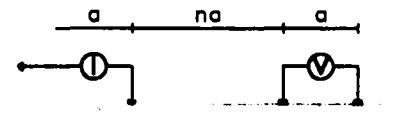
Date: 96/04/10
 Interpretation by: P. Bolleau, P. Eng.
 Scale 1 : 5000

VAL D'OR SAGAX INC.



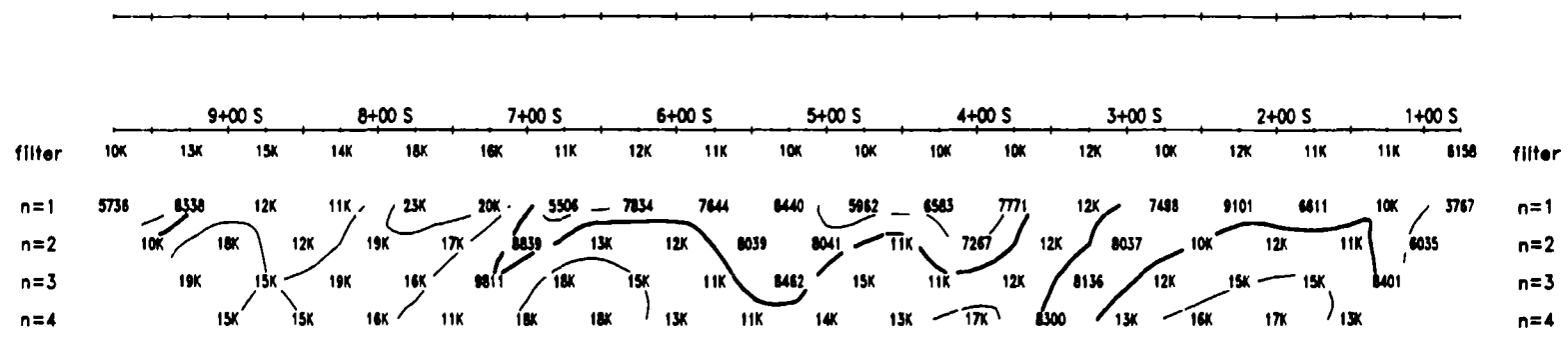
Line 700 W

Pole-Dipole Array



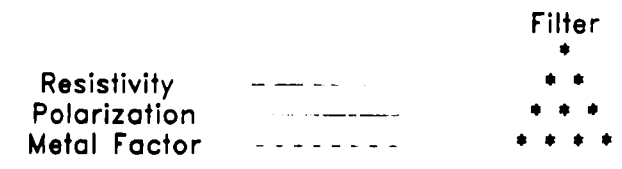
a = 50 M
n = 1, 2, 3, 4
plot point

TOPOGRAPHY



RESISTIVITY (Ohm * m)

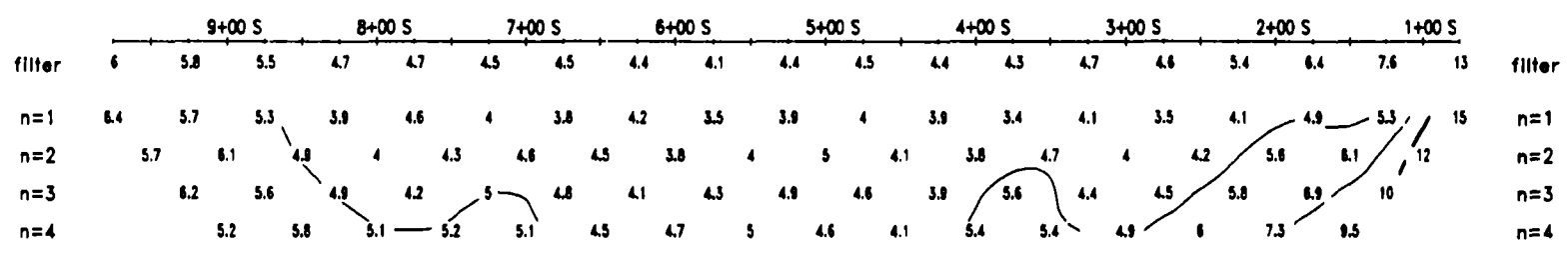
Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10, ..

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

CHARGEABILITY (mV/V)

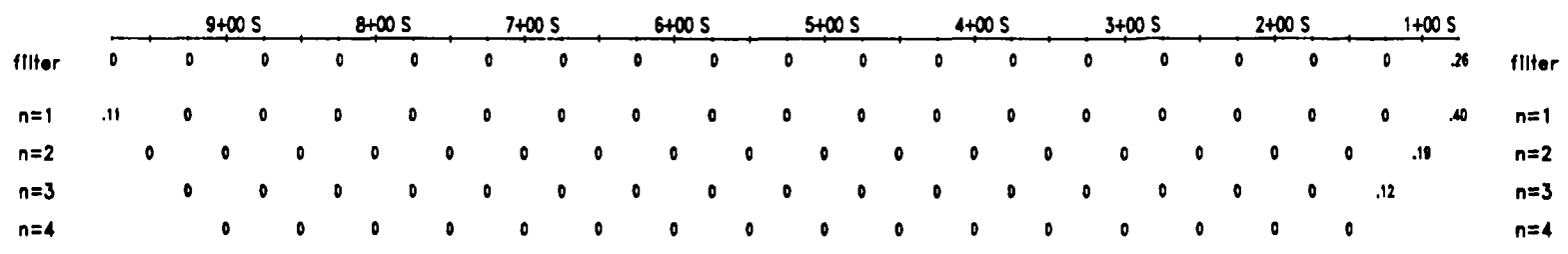


INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

INTERPRETATION

METAL FACTOR (ip/res * 100)



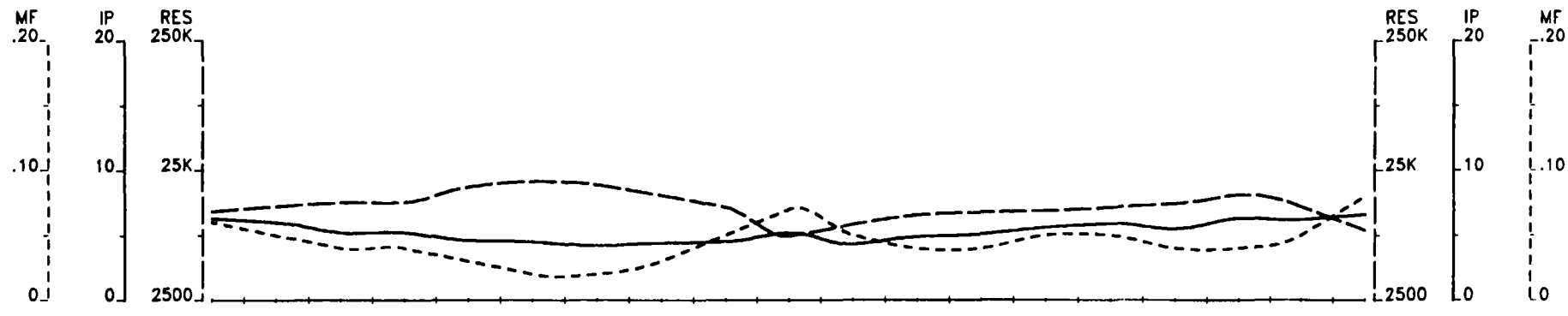
Induced Polarization Survey

FALCONBRIDGE LTD

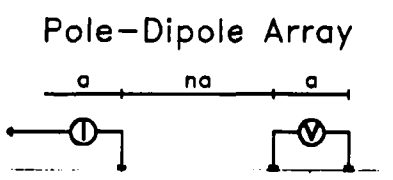
Wisner - Footwall Project
Wisner Township

Date: 96/04/10
Interpretation by: P. Bolleau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.

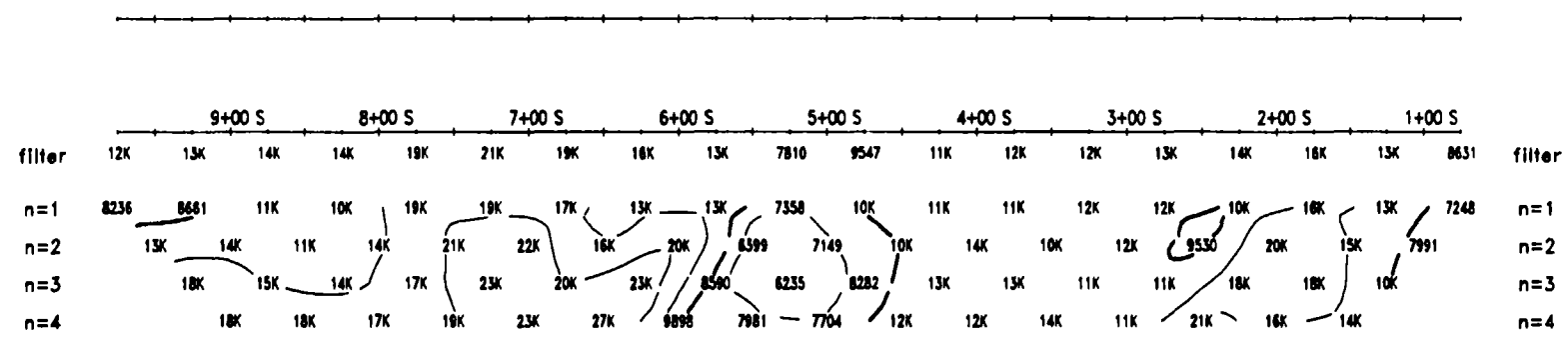


Line 600 W



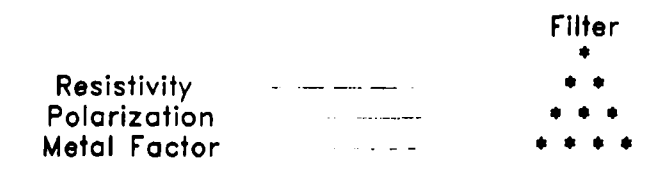
$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

TOPOGRAPHY



RESISTIVITY (Ohm * m)

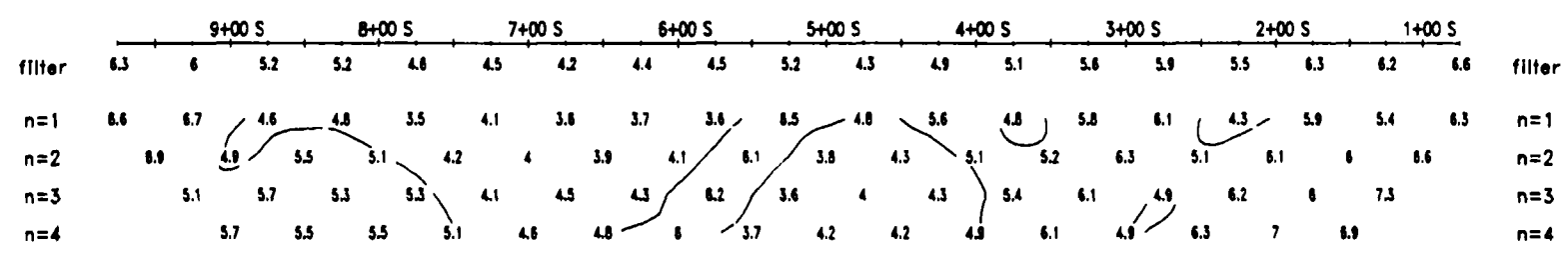
Filtered Profiles



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields

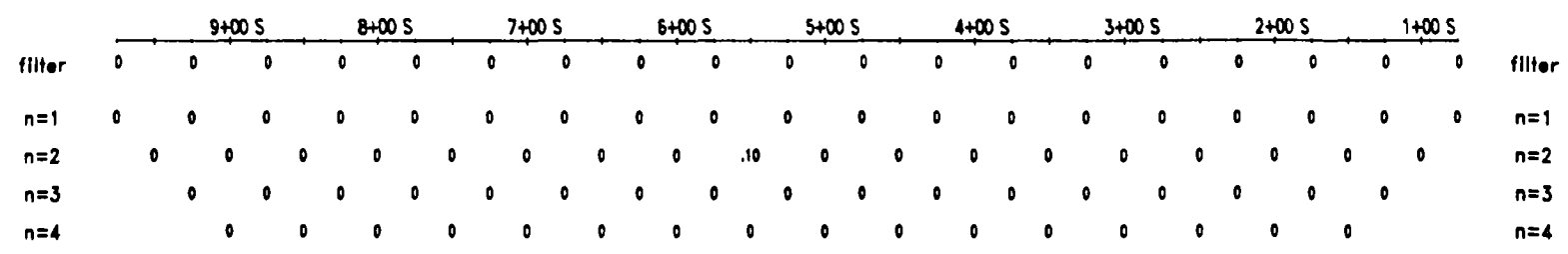
CHARGEABILITY (mV/V)



INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

INTERPRETATION



METAL FACTOR (ip/res * 100)

Induced Polarization Survey

FALCONBRIDGE LTD

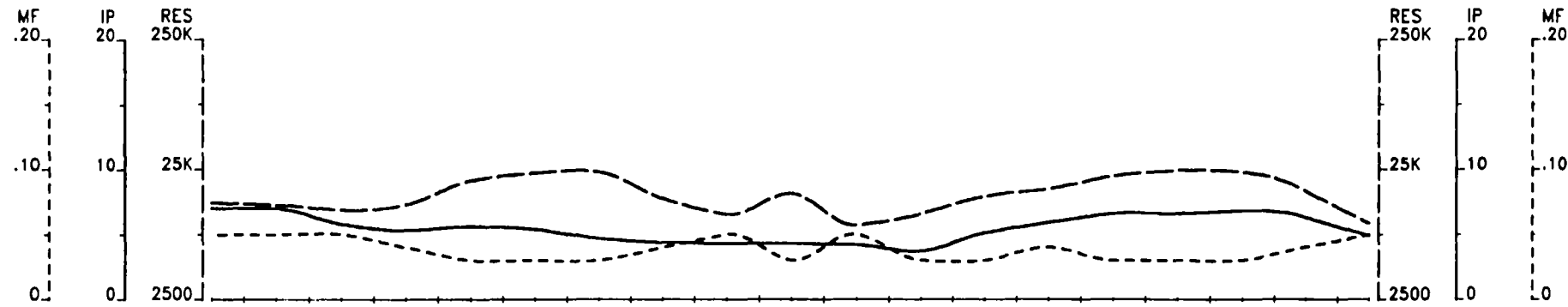
Wisner - Footwall Project
 Wisner Township

Date: 96/04/10

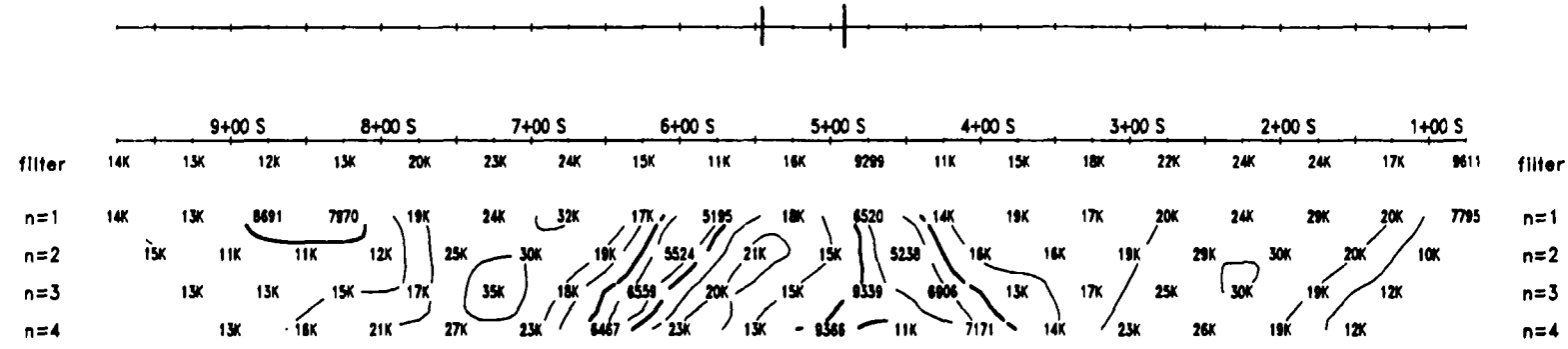
Interpretation by: P. Bolleau, P. Eng.

Scale 1 : 5000

VAL D'OR SAGAX INC.

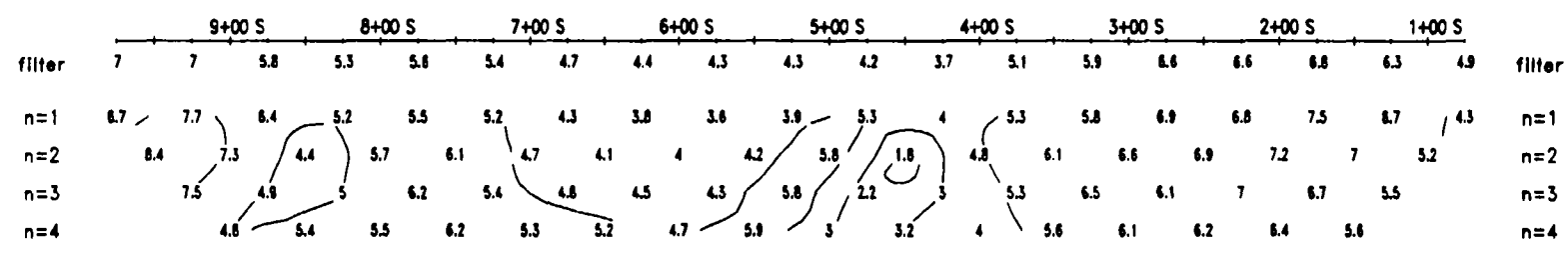


Lake

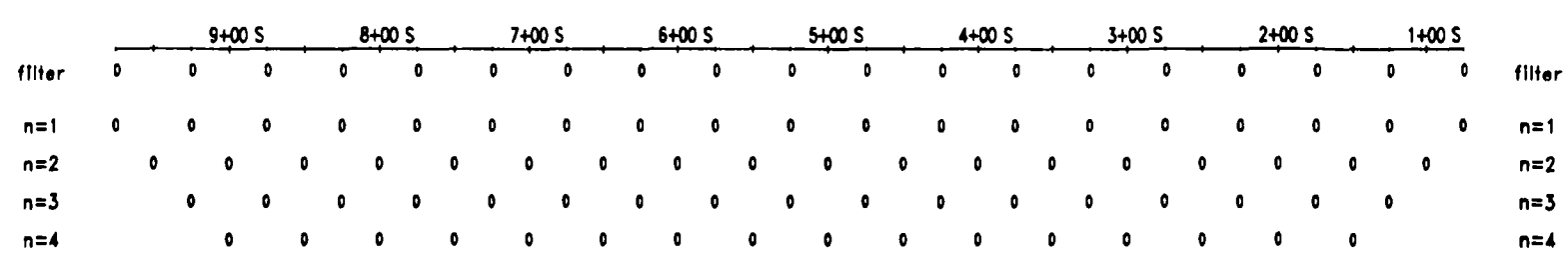


TOPOGRAPHY

RESISTIVITY
(Ohm * m)



CHARGEABILITY
(mV/V)

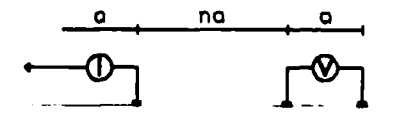


INTERPRETATION

METAL FACTOR
(ip/res * 100)

Line 500 W

Pole-Dipole Array



a = 50 M

n = 1, 2, 3, 4

plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey

FALCONBRIDGE LTD

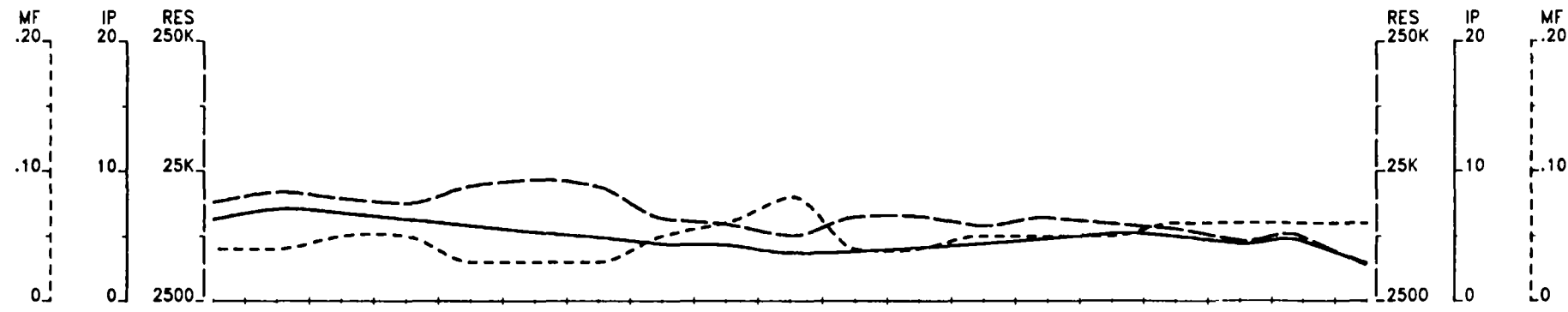
Wisner - Footwall Project
Wisner Township

Date: 96/04/10

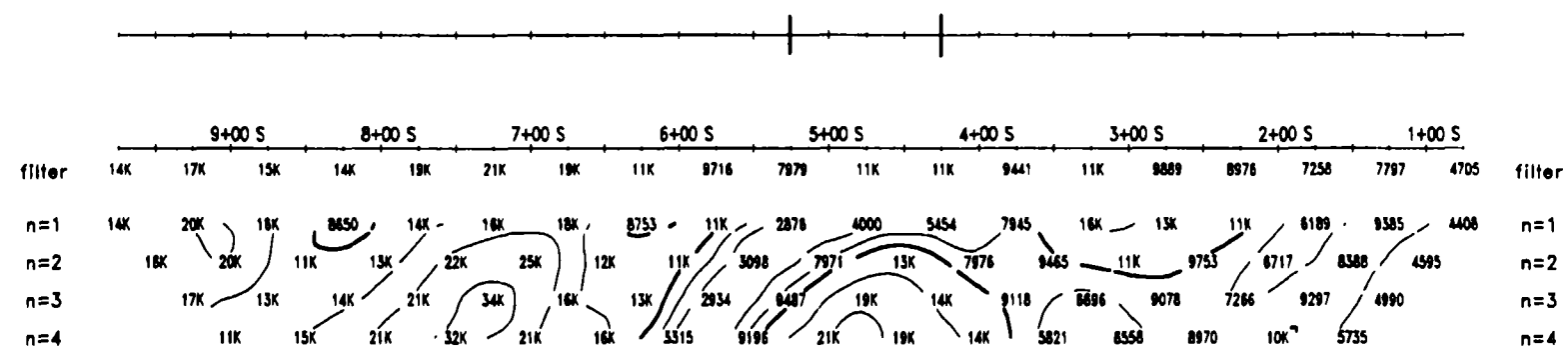
Interpretation by: P. Boileau, P. Eng.

Scale 1 : 5000

VAL D'OR SAGAX INC.

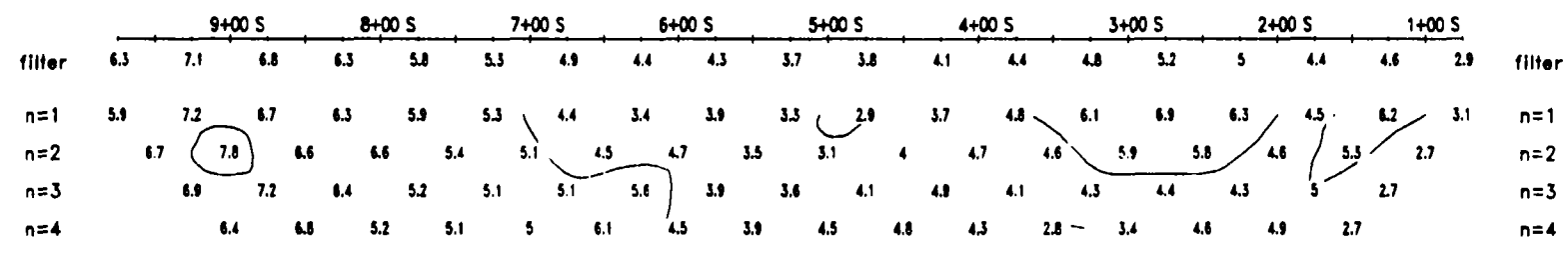


Lake



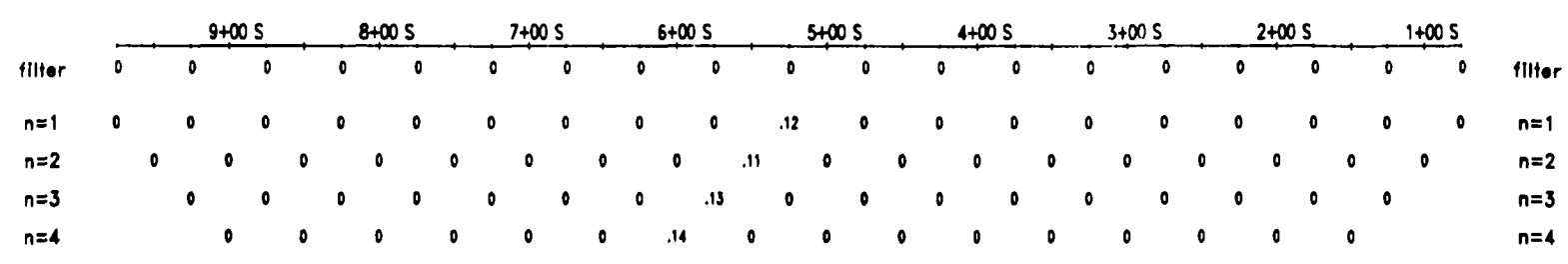
TOPOGRAPHY

RESISTIVITY
(Ohm * m)



CHARGEABILITY
(mV/V)

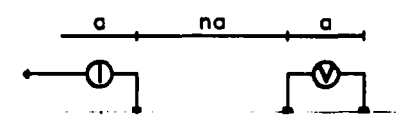
INTERPRETATION



METAL FACTOR
(ip/res * 100)

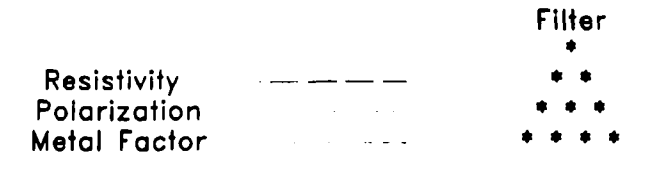
Line 400 W

Pole-Dipole Array



a = 50 M
n = 1, 2, 3, 4
plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

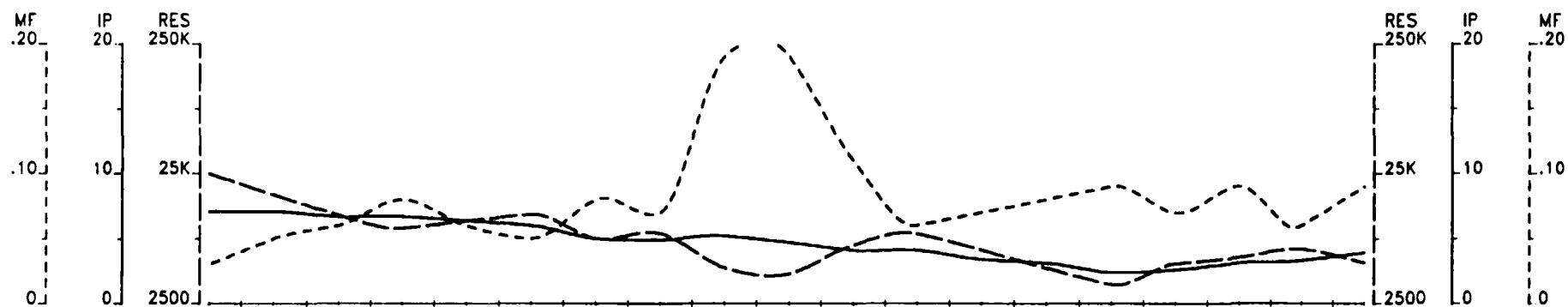
Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project
Wisner Township

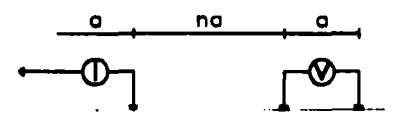
Date: 96/04/10
Interpretation by: P. Boileau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.

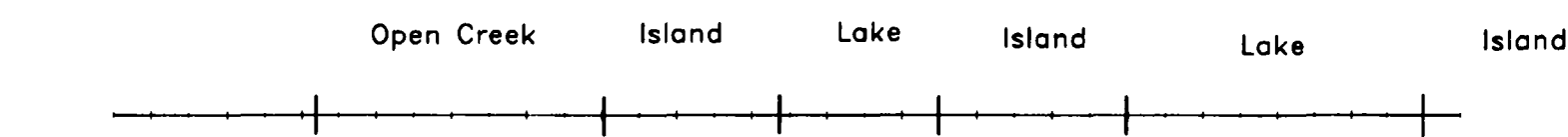


Line 300 W

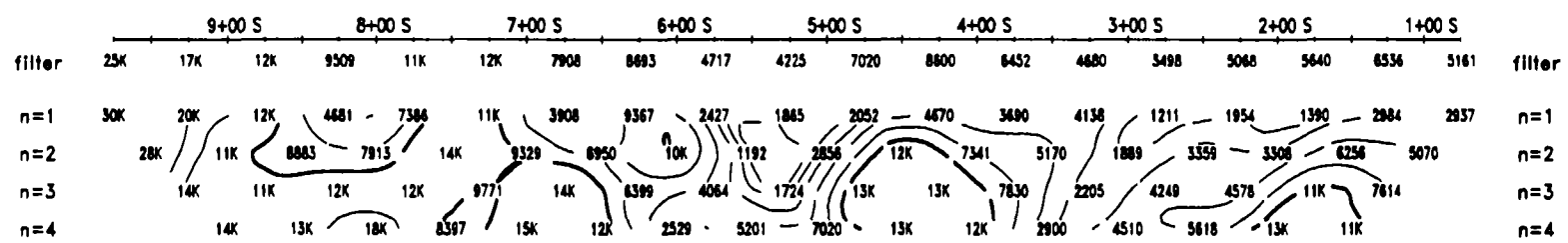
Pole-Dipole Array



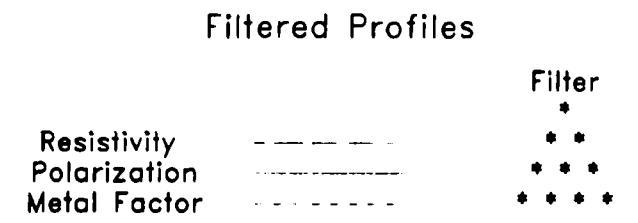
$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point



TOPOGRAPHY

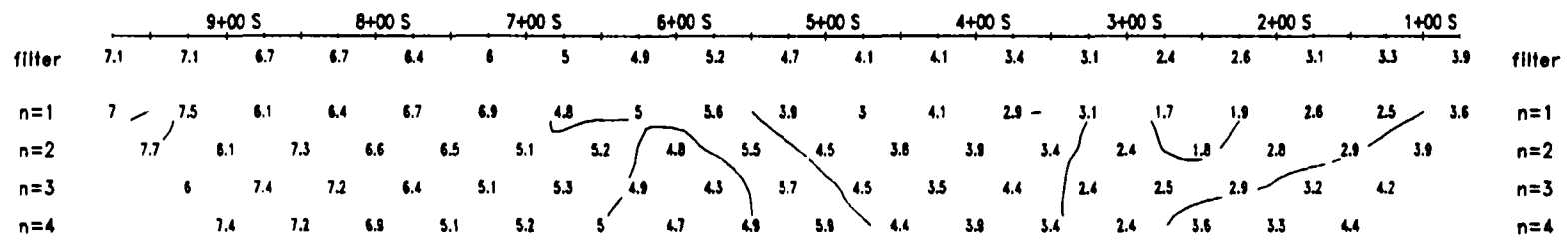


RESISTIVITY
(Ohm * m)



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

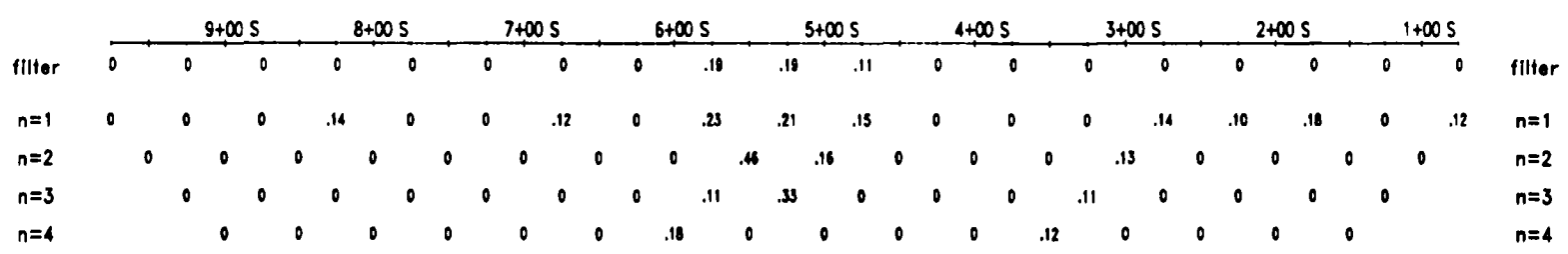
Instrument: PHOENIX IPT1,BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields



CHARGEABILITY
(mV/V)

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?



METAL FACTOR
(ip/res * 100)

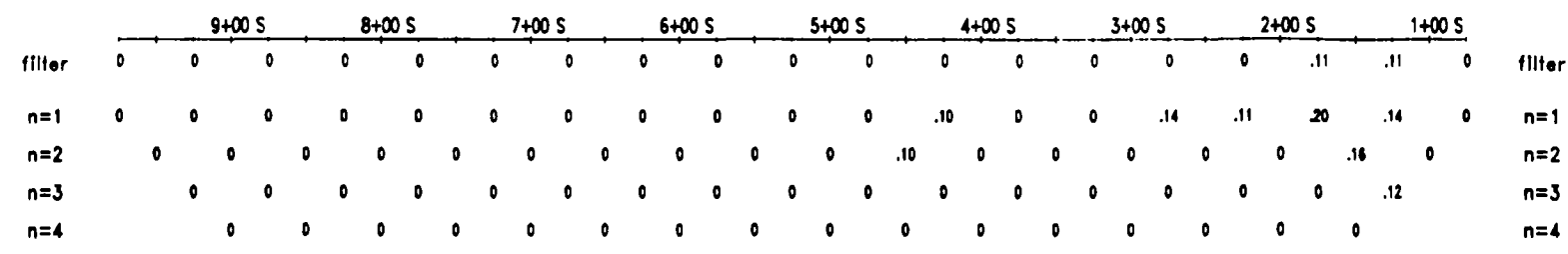
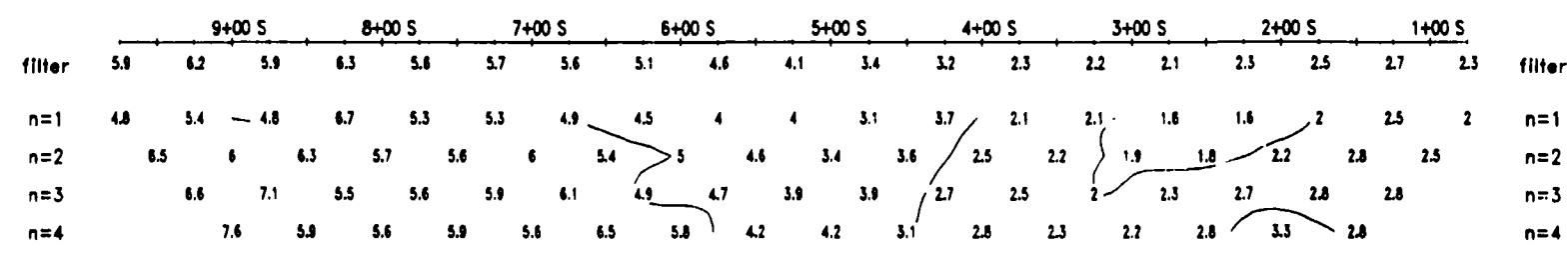
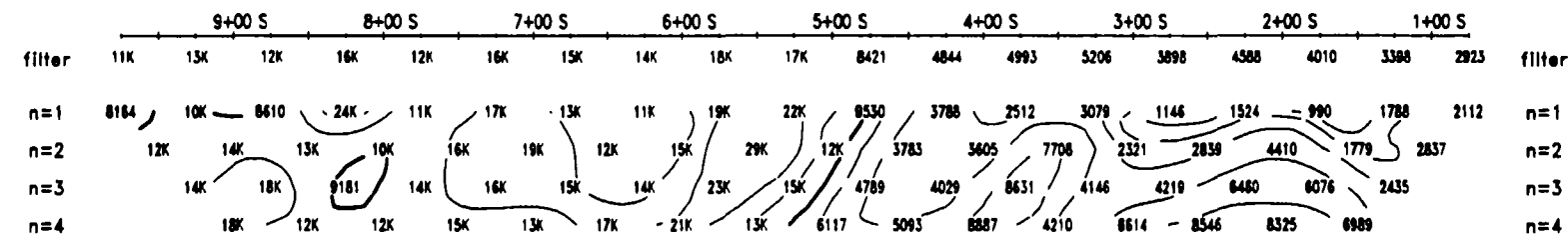
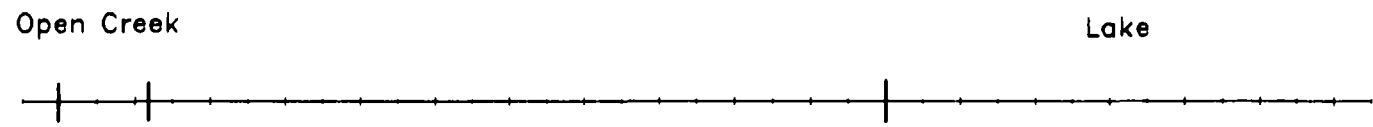
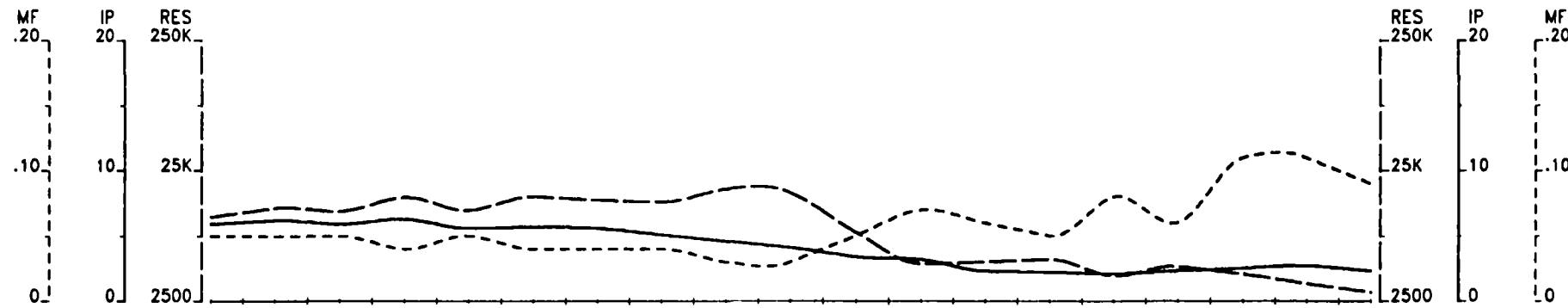
Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project
 Wisner Township

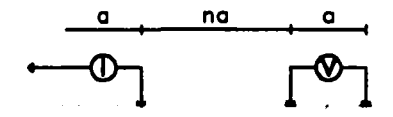
Date: 96/04/10
 Interpretation by: P. Boileau, P. Eng.
 Scale 1 : 5000

VAL D'OR SAGAX INC.



Line 200 W

Pole-Dipole Array



a = 50 M
n = 1, 2, 3, 4
plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey

FALCONBRIDGE LTD

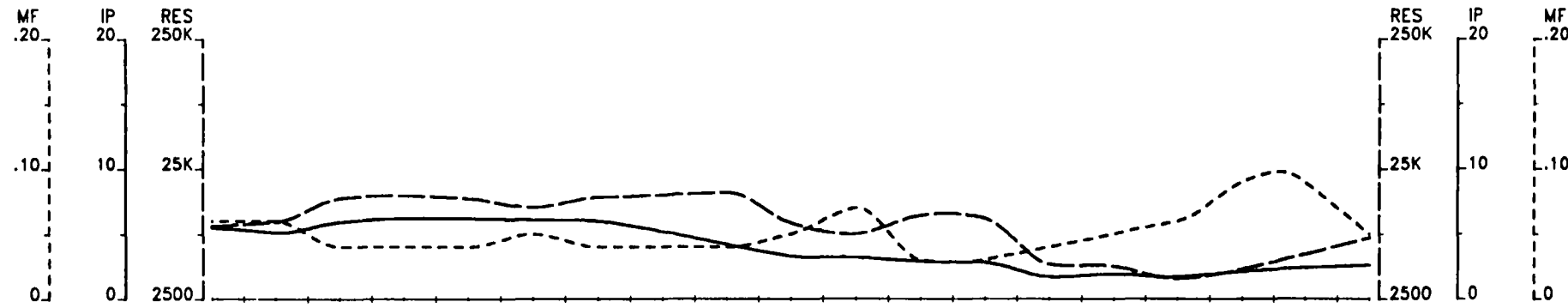
Wisner - Footwal Project
wisner Township

Date: 96/03/28

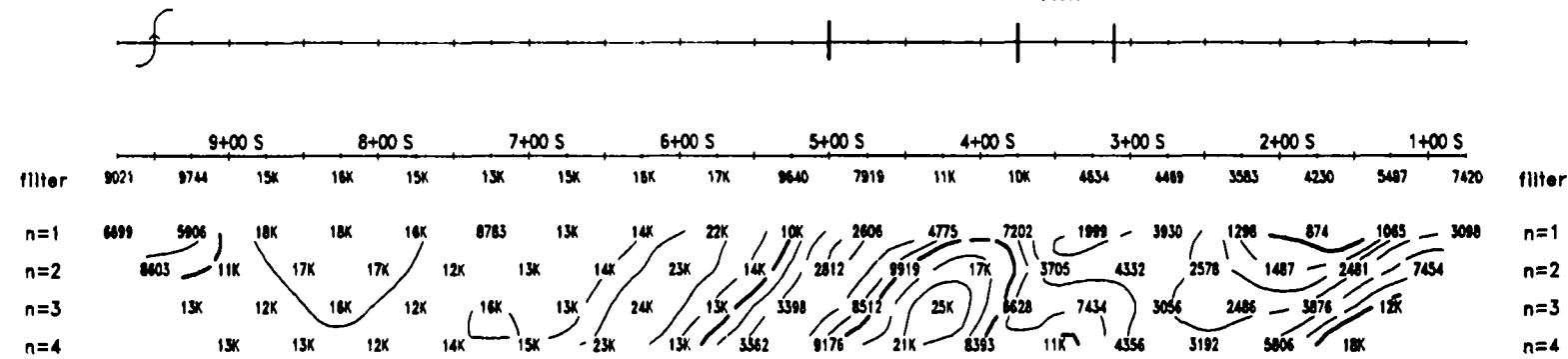
Interpretation by: P. Bolleau, P.Eng.

Scale 1 : 5000

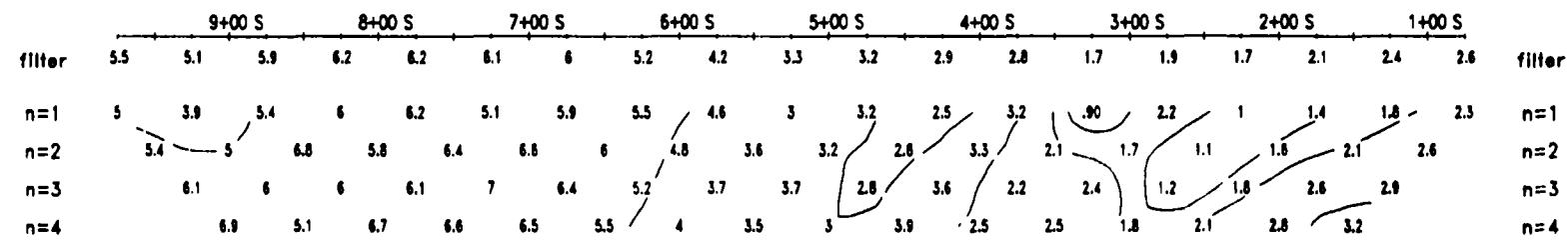
VAL D'OR SAGAX INC.



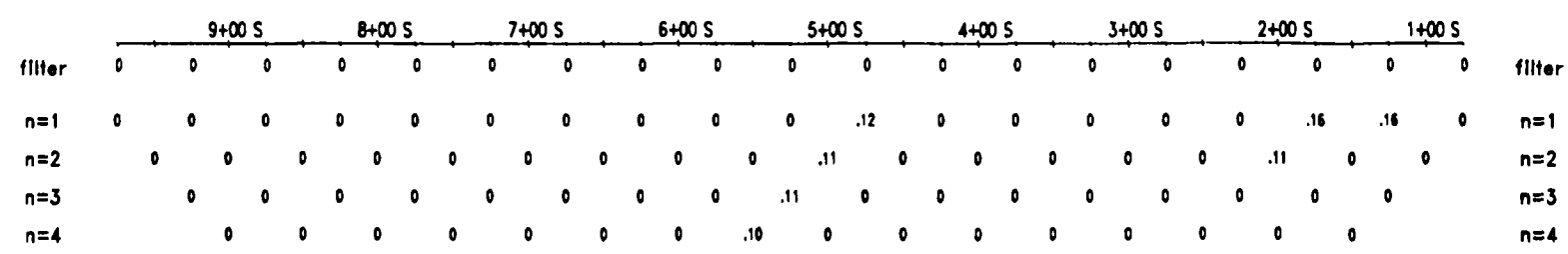
Lake Small Hill Lake



TOPOGRAPHY
RESISTIVITY
(Ohm * m)



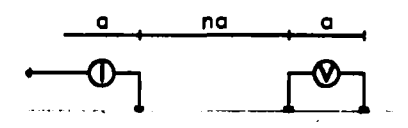
CHARGEABILITY
(mV/V)



METAL FACTOR
(ip/res * 100)

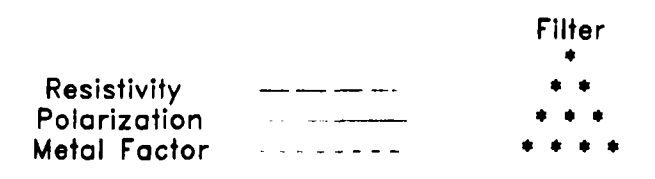
Line 100 W

Pole-Dipole Array



a = 50 M
n = 1, 2, 3, 4
plot point

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

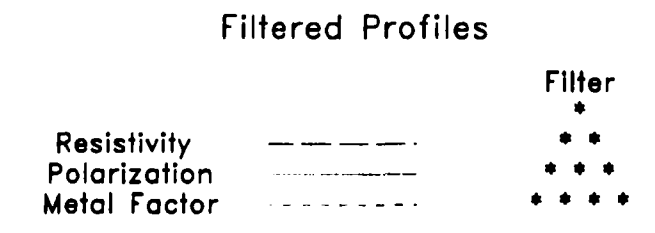
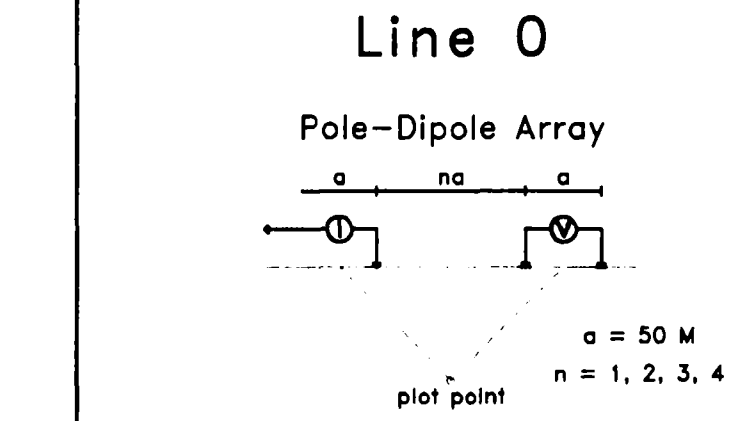
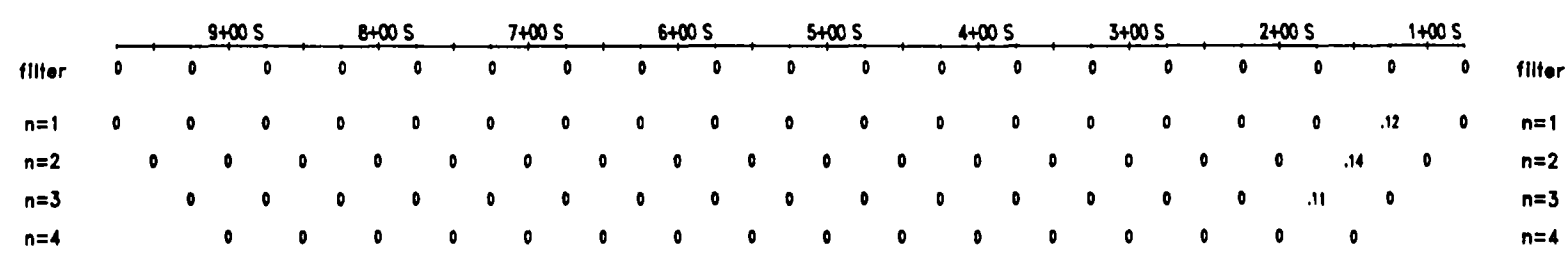
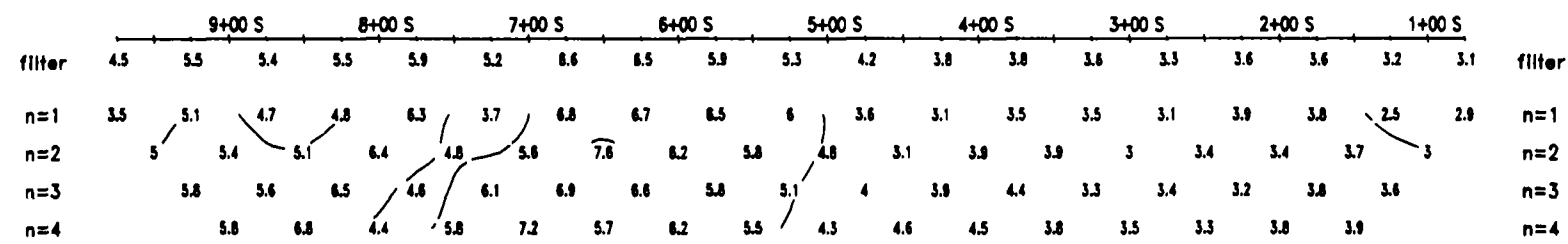
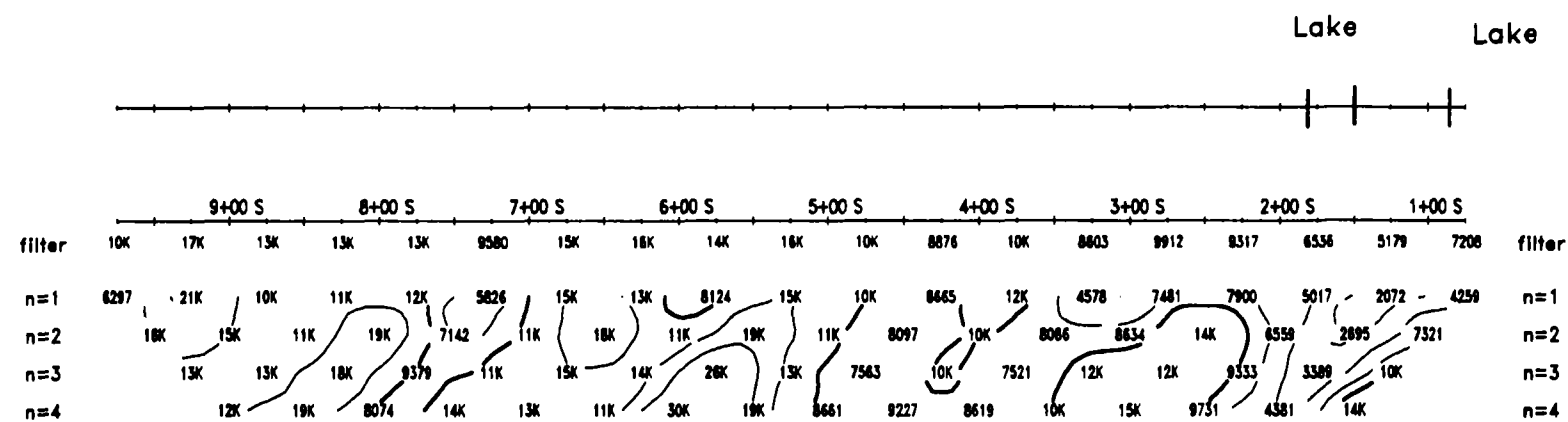
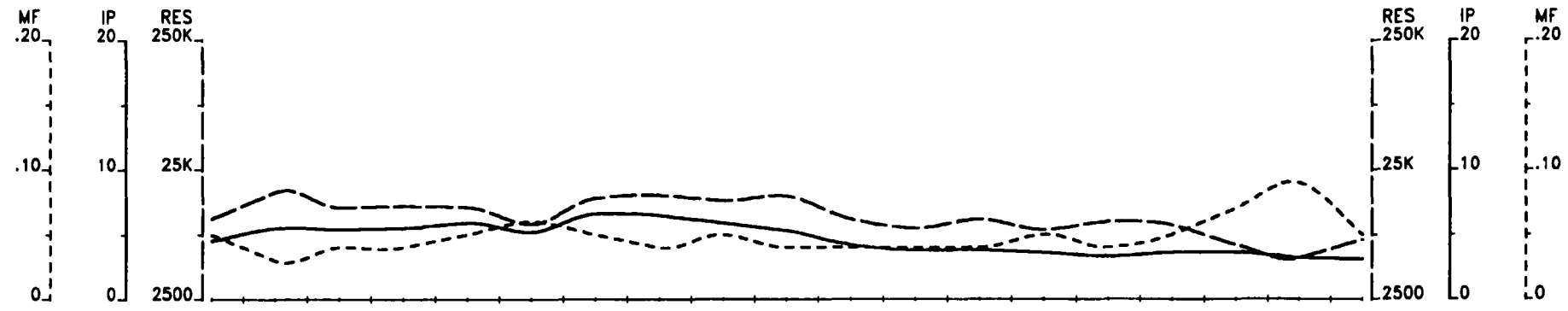
Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project
Wisner Township

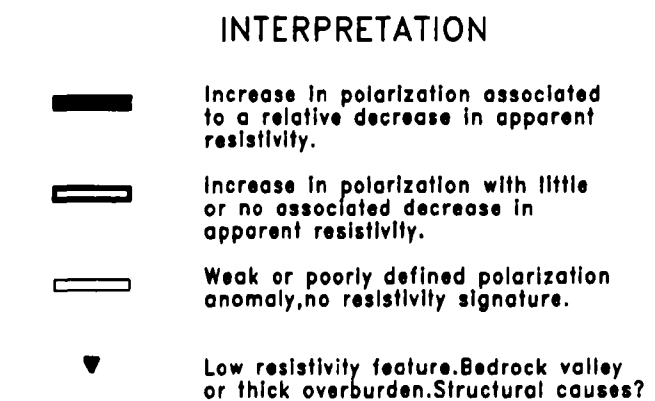
Date: 96/04/10
Interpretation by: P. Boileau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

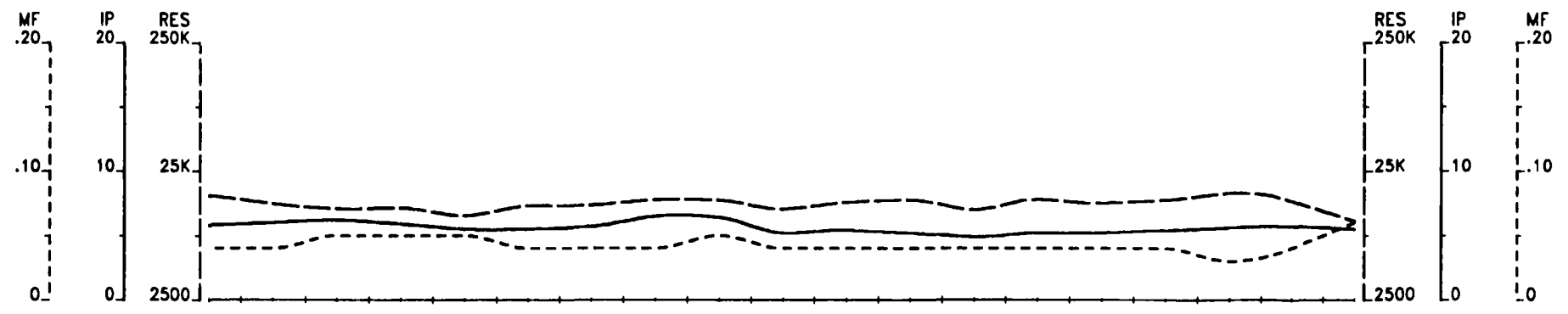


Induced Polarization Survey

FALCONBRIDGE LTD
Wisner - Footwall Project
Wisner Township

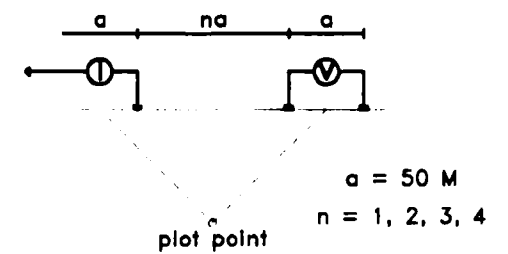
Date: 96/04/10
Interpretation by: P. Bolleau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.

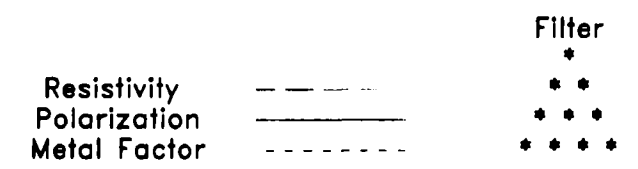


Line 100 E

Pole-Dipole Array



Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1,BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

TOPOGRAPHY

RESISTIVITY (Ohm * m)

filter	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S	filter									
n=1	18K	14K	10K	13K	11K	9762	11K	11K	8672	11K	12K	7452	18K	16K	14K	18K	15K	8467	n=1
n=2	13K	14K	14K	9348	12K	13K	12K	19K	12K	9679	18K	10K	14K	13K	15K	18K	18K	10K	n=2
n=3	13K	17K	10K	13K	14K	15K	18K	18K	12K	17K	15K	17K	11K	12K	17K	17K	13K	n=3	
n=4	18K	12K	13K	14K	15K	22K	14K	17K	19K	16K	24K	13K	12K	14K	16K	13K	n=4		

CHARGEABILITY (mV/V)

filter	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S	filter										
n=1	5.8	6	6.2	5.9	5.5	5.5	5.7	6.5	6.4	5.2	5.4	5.2	4.9	5.2	5.2	5.4	5.6	5.7	5.5	n=1
n=2	5.8	5.8	6.1	5.7	5.5	4.9	4	5.8	6.6	4.5	4.8	4.6	4	4.7	4.9	5.2	5.5	5.4	5.3	n=2
n=3	5.4	6.3	6.7	5.8	5.1	5.7	6.3	7.9	5.1	5	6.1	4.7	5	5.3	5.1	5.8	6.1	5.6	n=3	
n=4	5.8	6.8	6	4.9	5.5	6.5	7.6	5.8	5.3	5.7	5.3	5.2	5.3	5.4	5.1	5.9	5.7	n=4		

INTERPRETATION

METAL FACTOR (ip/res * 100)

filter	9+00 S	8+00 S	7+00 S	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S	filter										
n=1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	n=1
n=2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	n=2
n=3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	n=3
n=4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	n=4

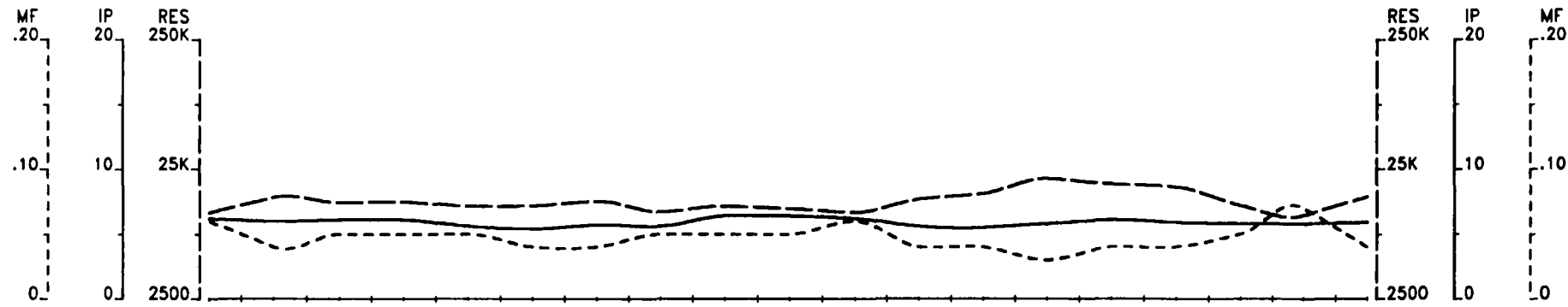
Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project
Wisner Township

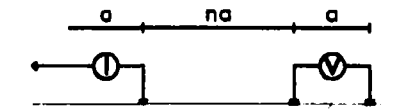
Date: 96/04/10
Interpretation by: P. Bolleau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.



Line 200 E

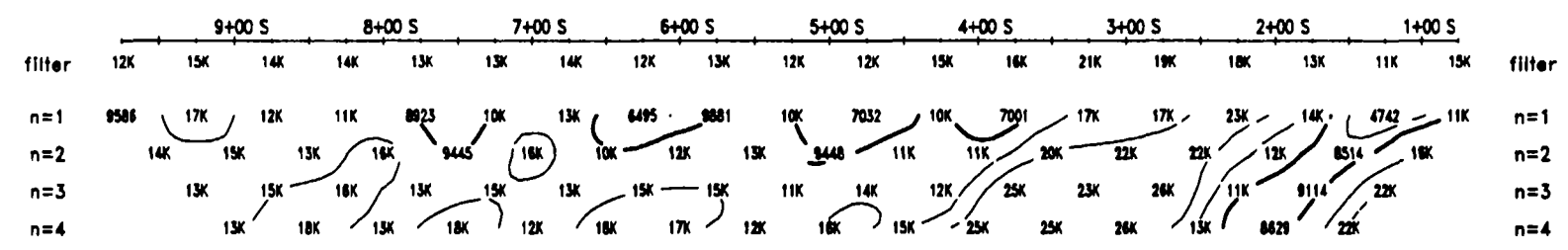
Pole-Dipole Array



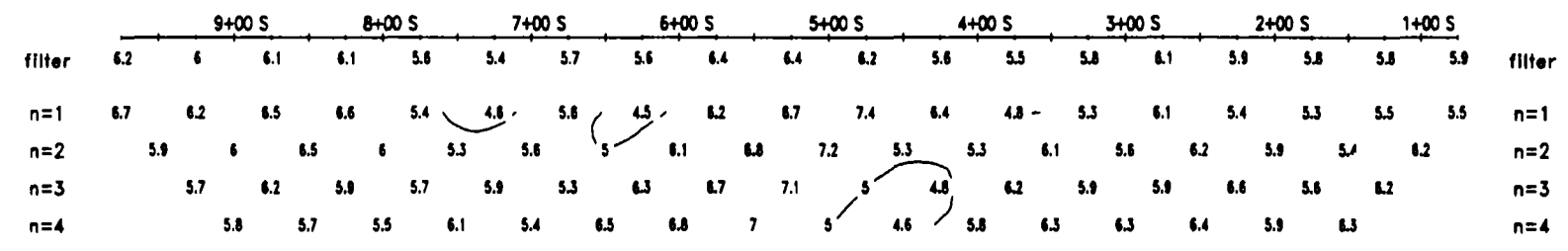
$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

TOPOGRAPHY

RESISTIVITY (Ohm * m)

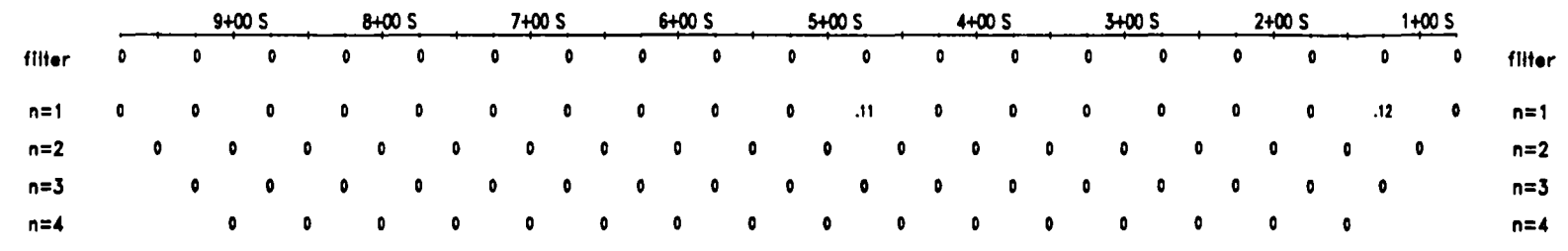


CHARGEABILITY (mV/V)



INTERPRETATION

METAL FACTOR (ip/res * 100)



Filtered Profiles



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey

FALCONBRIDGE LTD

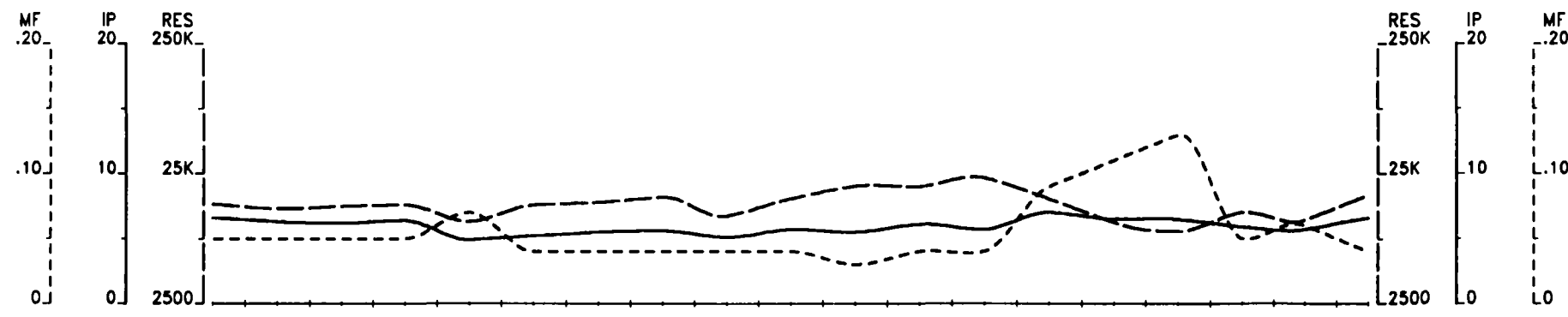
Wisner - Footwall Project
 Wisner Township

Date: 96/04/11

Interpretation by: P. Bolleau, P. Eng.

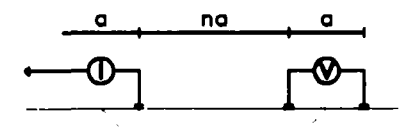
Scale 1 : 5000

VAL D'OR SAGAX INC.



Line 300 E

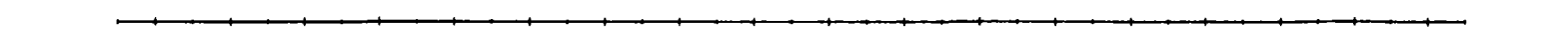
Pole-Dipole Array



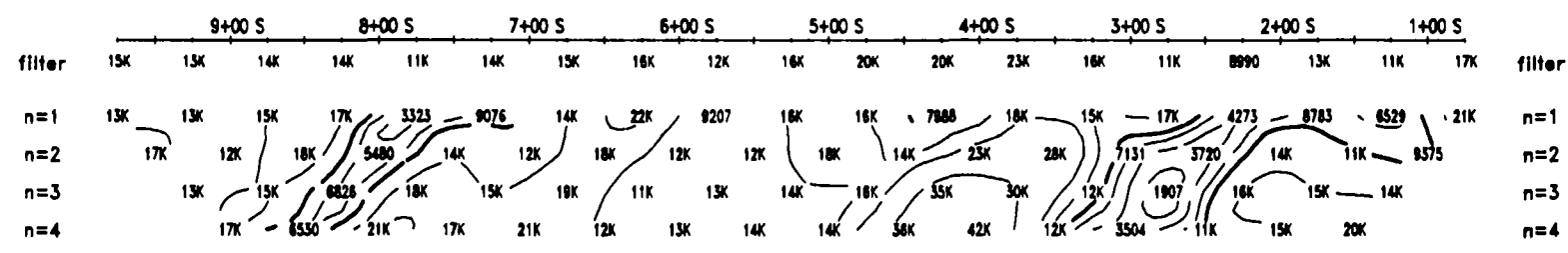
a = 50 M
n = 1, 2, 3, 4

plot point

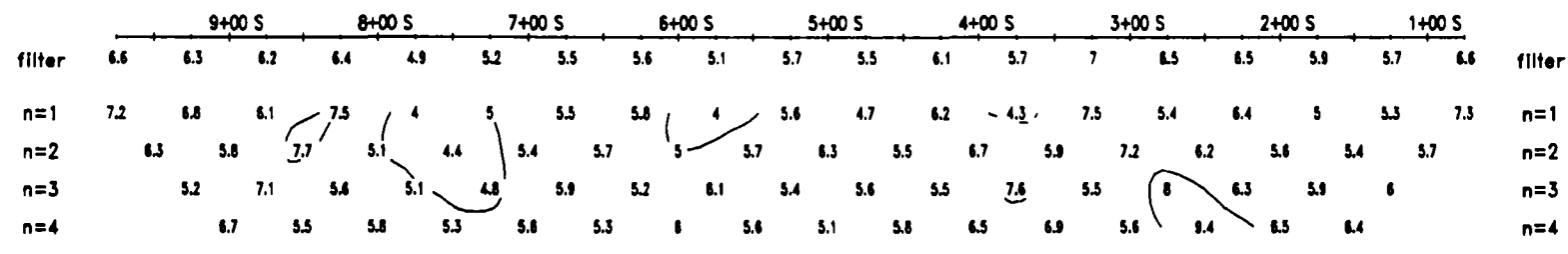
TOPOGRAPHY



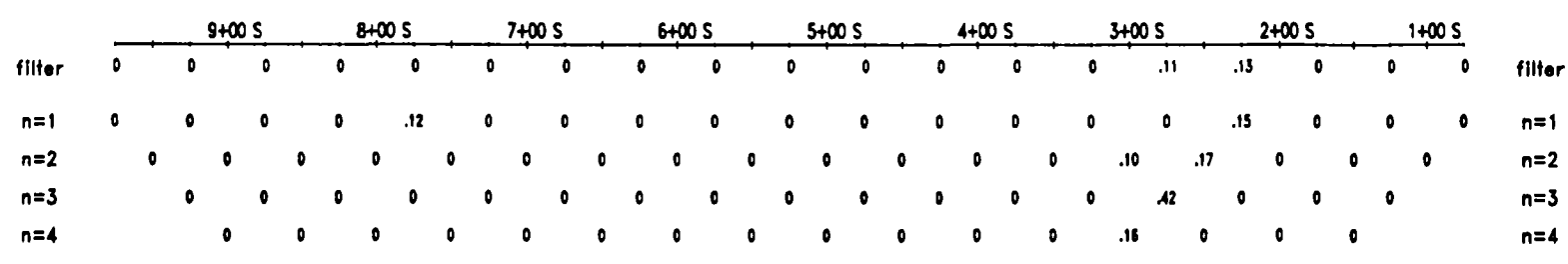
RESISTIVITY (Ohm * m)



CHARGEABILITY (mV/V)

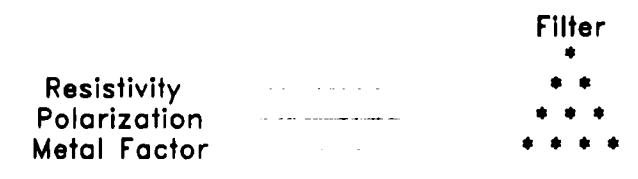


INTERPRETATION



METAL FACTOR (ip/res * 100)

Filtered Profiles



Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.
Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

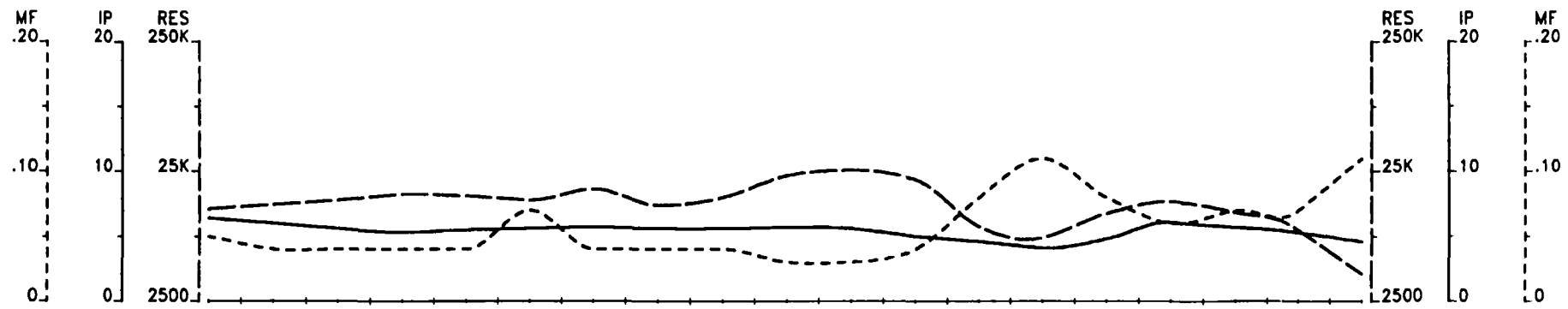
Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project
Wisner Township

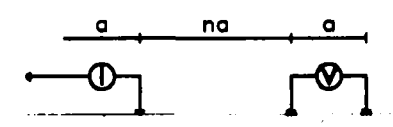
Date: 96/04/10
Interpretation by: P. Bolleau, P. Eng.
Scale 1 : 5000

VAL D'OR SAGAX INC.

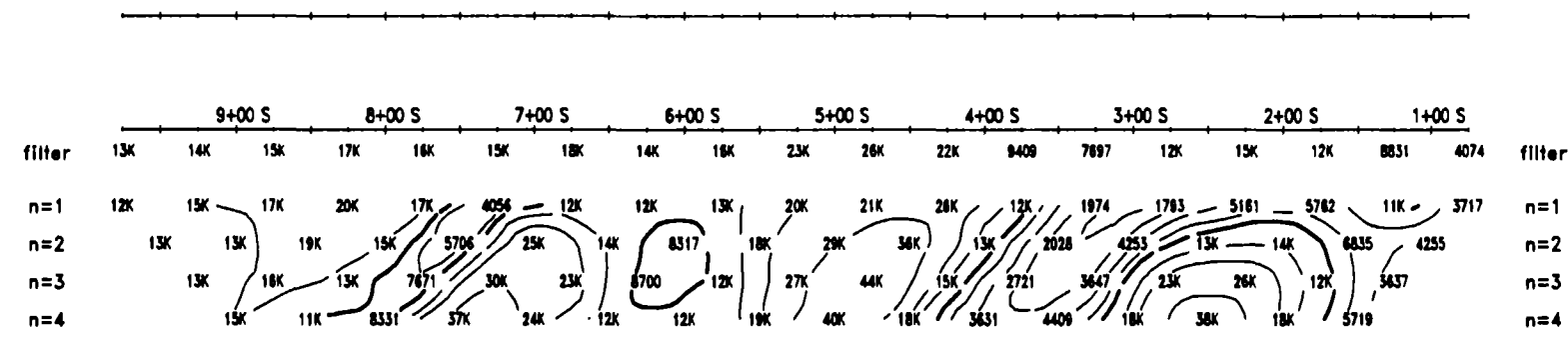


Line 400 E

Pole-Dipole Array



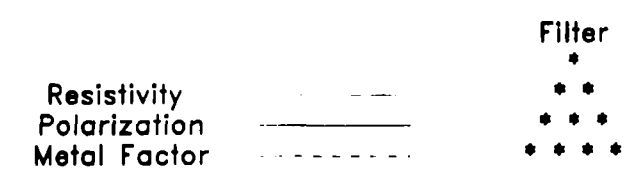
$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point



TOPOGRAPHY

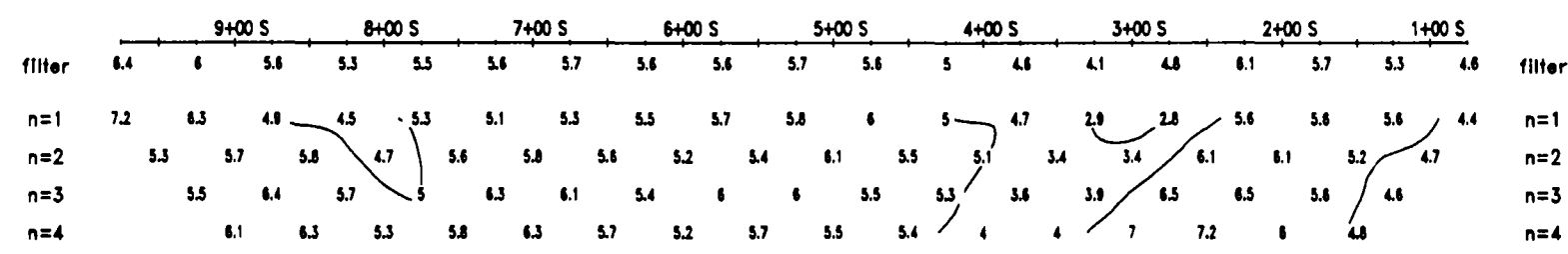
RESISTIVITY (Ohm * m)

Filtered Profiles



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

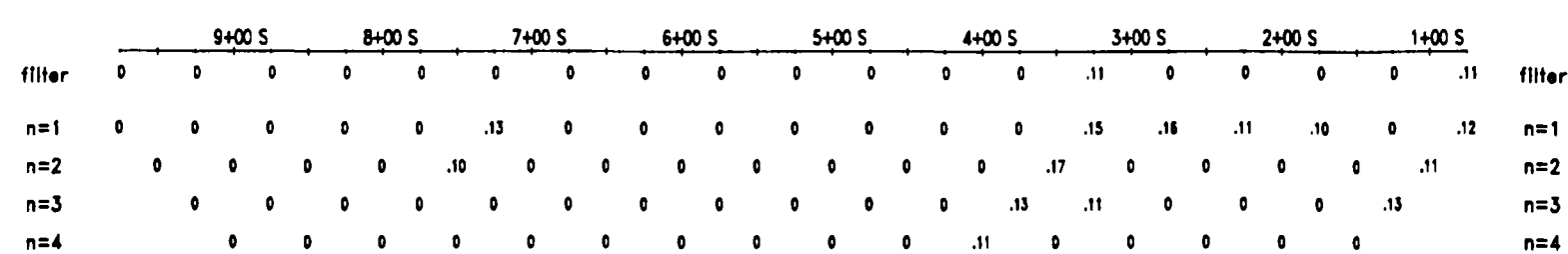
Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields



CHARGEABILITY (mV/V)

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?



INTERPRETATION

METAL FACTOR (ip/res * 100)

Induced Polarization Survey

FALCONBRIDGE LTD

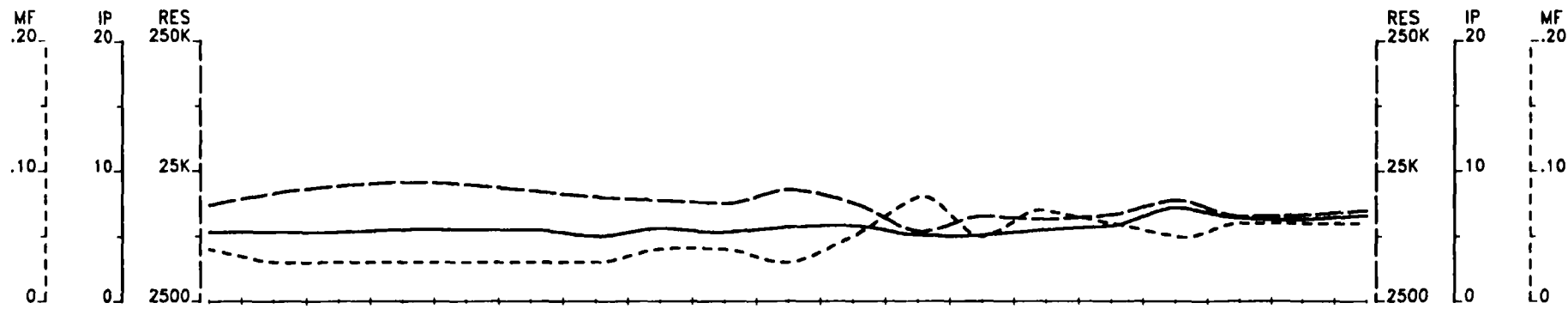
Wisner - Footwal Project
 wisner Township

Date: 96/03/28

Interpretation by: P. Boileau, P.Eng.

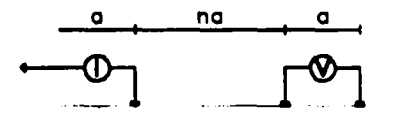
Scale 1 : 5000

VAL D'OR SAGAX INC.

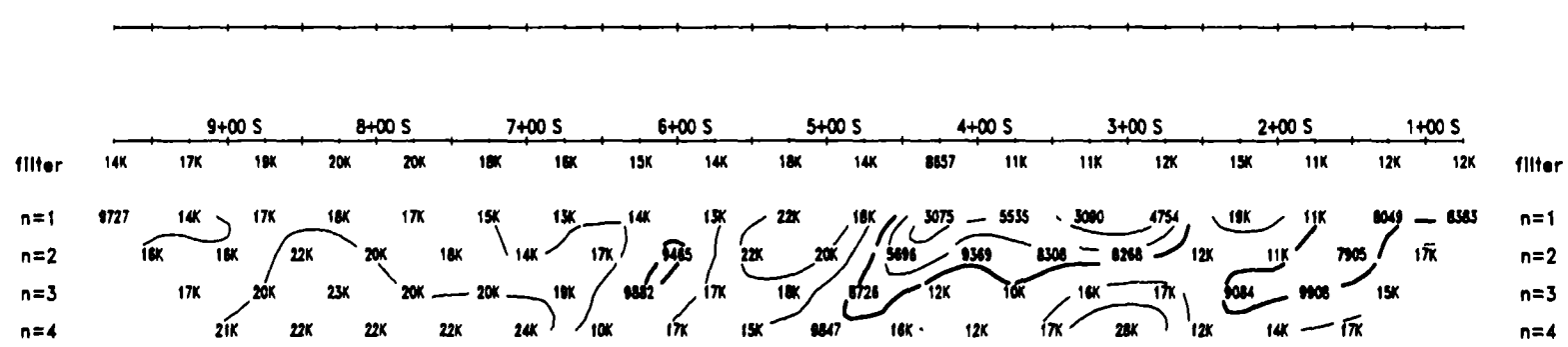


Line 500 E

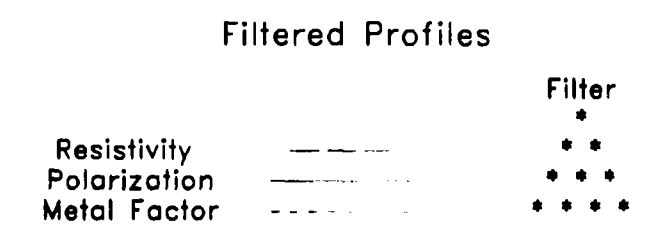
Pole-Dipole Array



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

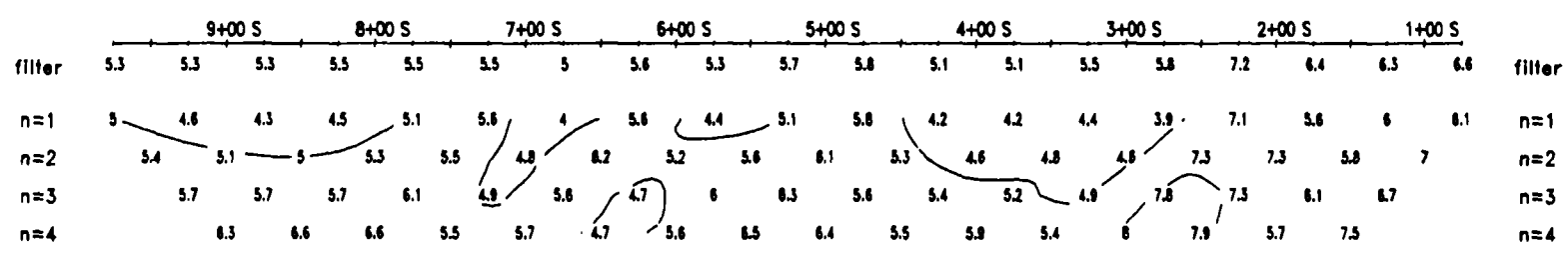


TOPOGRAPHY
 RESISTIVITY
 (Ohm * m)



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

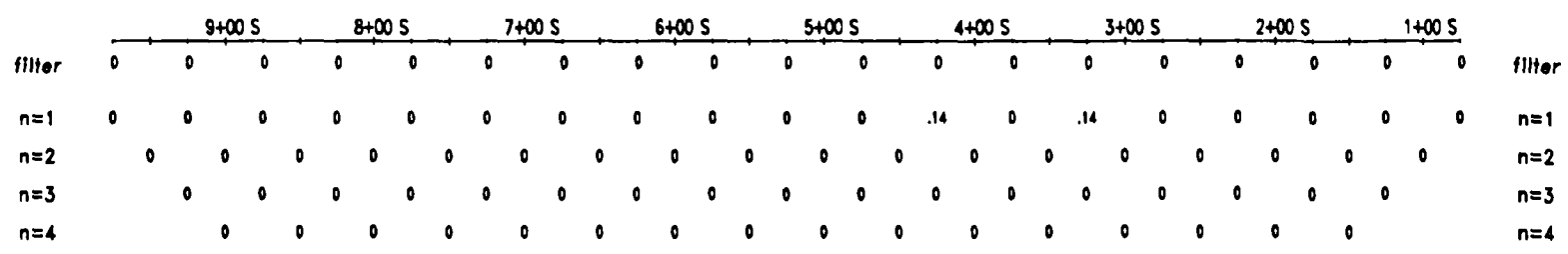
Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields



CHARGEABILITY
 (mV/V)

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

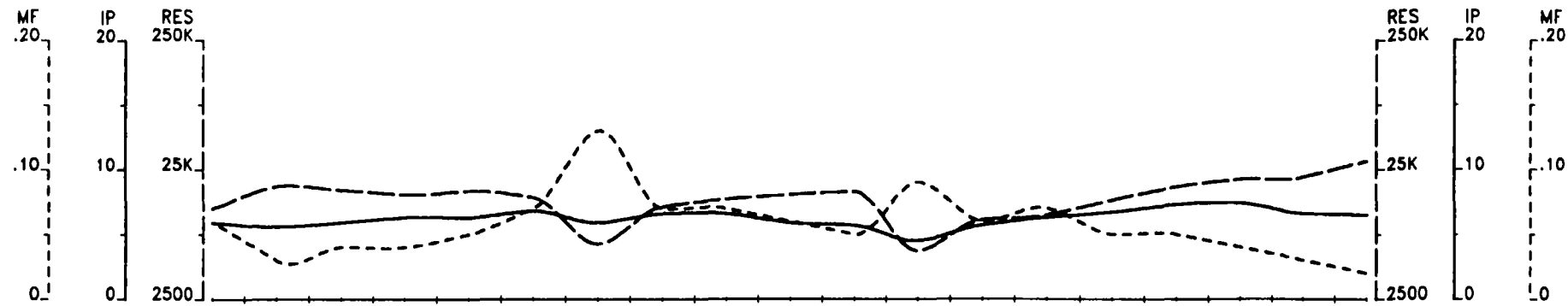


INTERPRETATION
 METAL FACTOR
 (ip/res * 100)

Induced Polarization Survey
FALCONBRIDGE LTD
 Wisner - Footwall Project
 Wisner Township

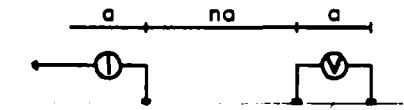
Date: 96/04/11
 Interpretation by: P. Bolleau, P. Eng.
 Scale 1 : 5000

VAL D'OR SAGAX INC.



Line 600 E

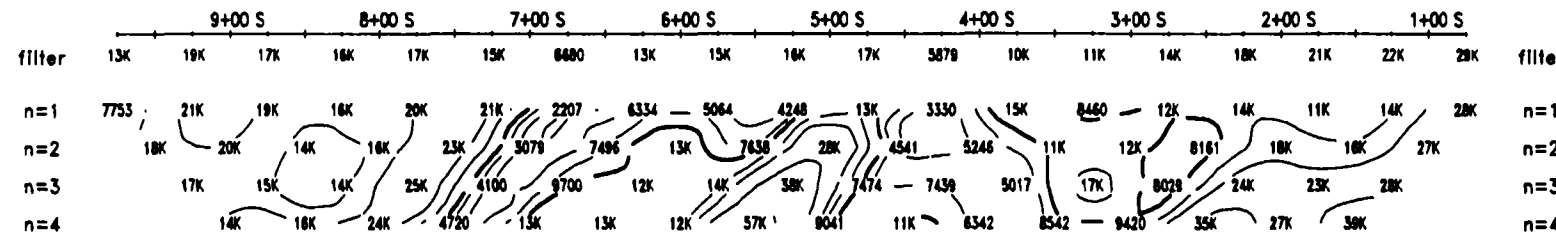
Pole-Dipole Array



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

TOPOGRAPHY

Filtered Profiles



RESISTIVITY (Ohm * m)

Resistivity
 Polarization
 Metal Factor

Filter
 *
 * *
 * * *
 * * * *

Logarithmic Contours

1, 1.5, 2, 3, 5, 7.5, 10,...

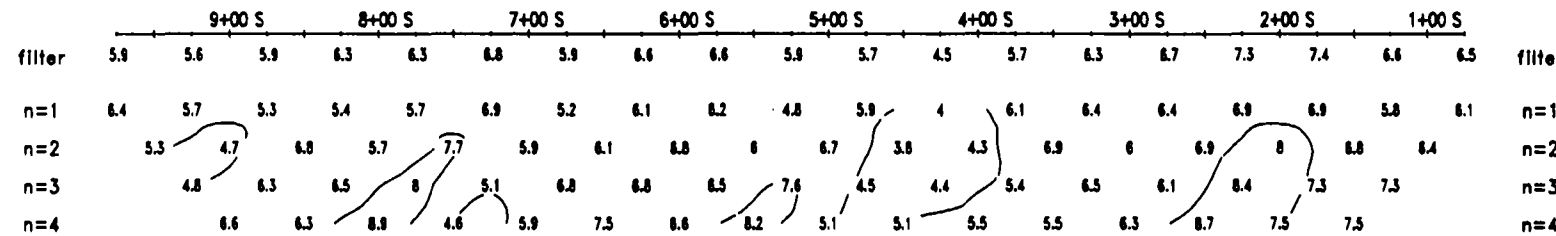
Instrument: PHOENIX IPT1, BRGM IP-6

Time cycle: 2 sec.

Operator: Gerry Shields

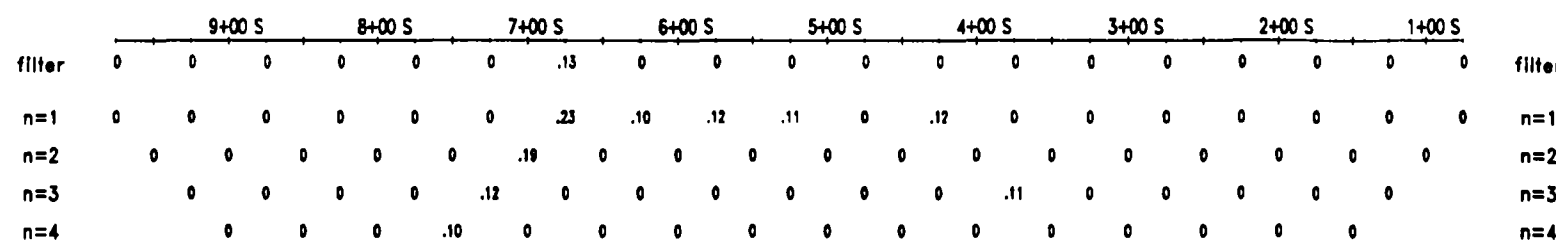
CHARGEABILITY (mV/V)

INTERPRETATION



- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

INTERPRETATION



METAL FACTOR (ip/res * 100)

Induced Polarization Survey

FALCONBRIDGE LTD

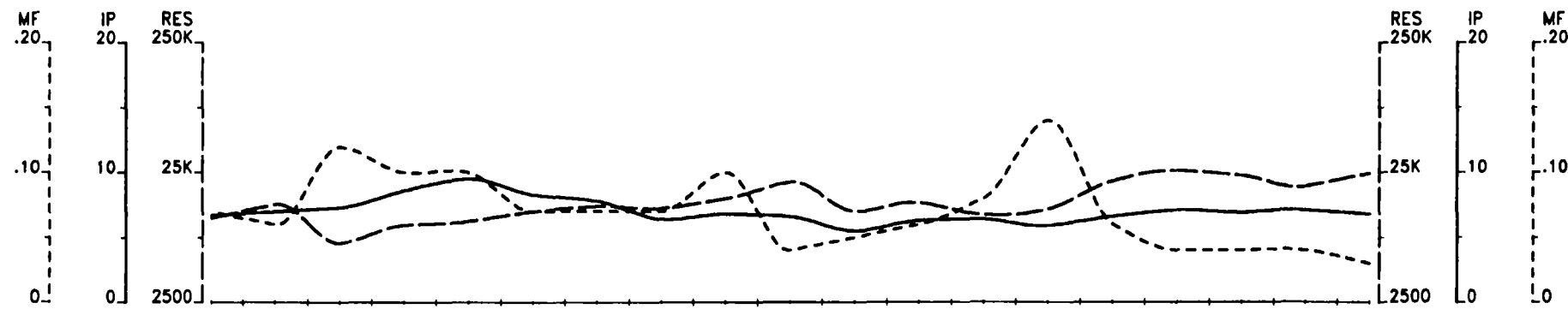
Wisner - Footwall Project
 Wisner Township

Date: 96/04/11

Interpretation by: P. Bolleau, P. Eng.

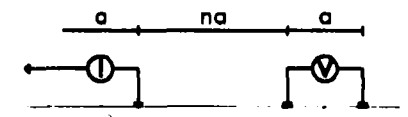
Scale 1 : 5000

VAL D'OR SAGAX INC.

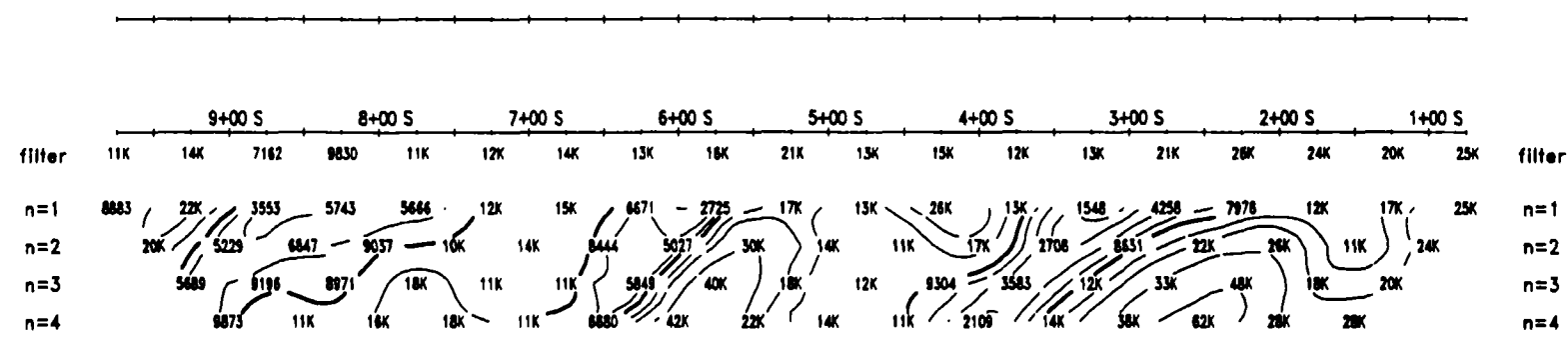


Line 700 E

Pole-Dipole Array



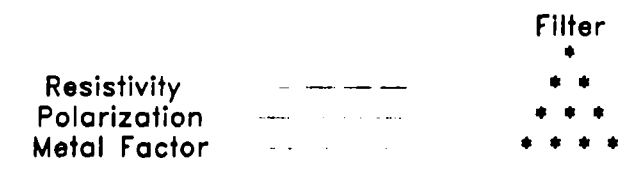
$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point



TOPOGRAPHY

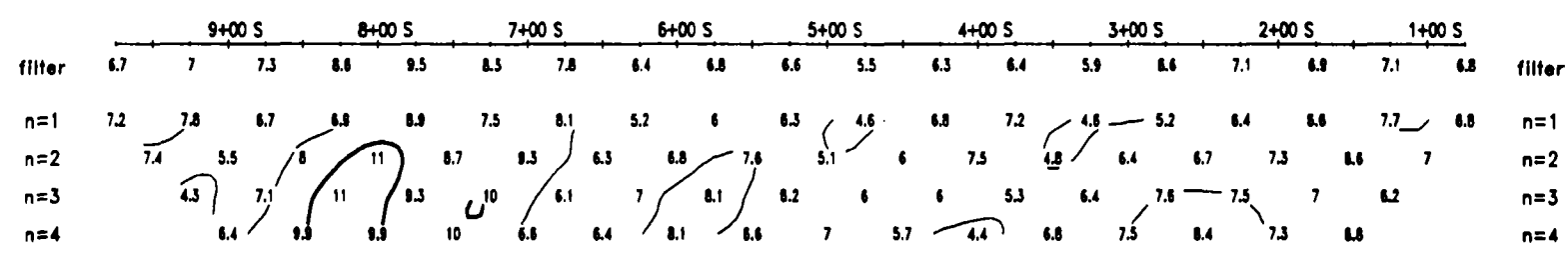
RESISTIVITY
(Ohm * m)

Filtered Profiles



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

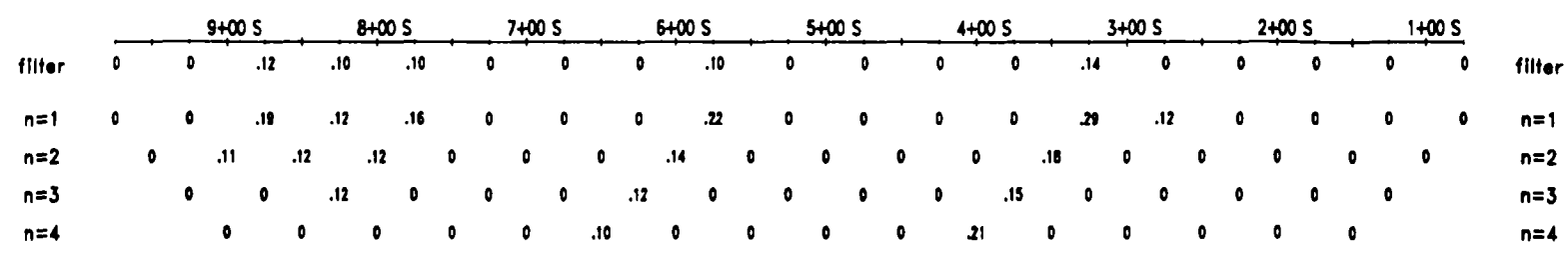
Instrument: PHOENIX IPT1,BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields



CHARGEABILITY
(mV/V)

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?



INTERPRETATION

METAL FACTOR
(ip/res * 100)

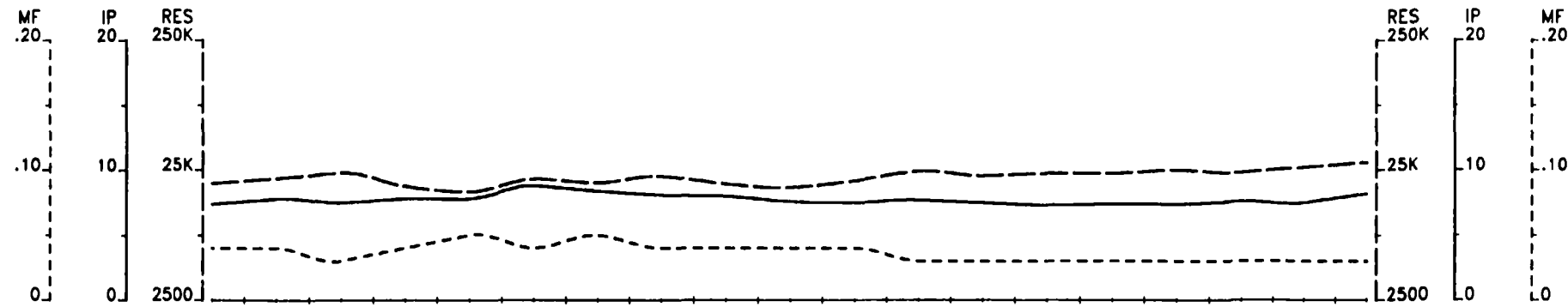
Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project
 Wisner Township

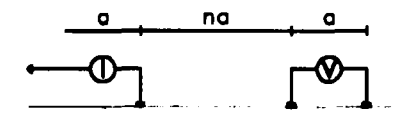
Date: 96/04/10
 Interpretation by: P. Bolleau, P. Eng.
 Scale 1 : 5000

VAL D'OR SAGAX INC.



Line 800 E

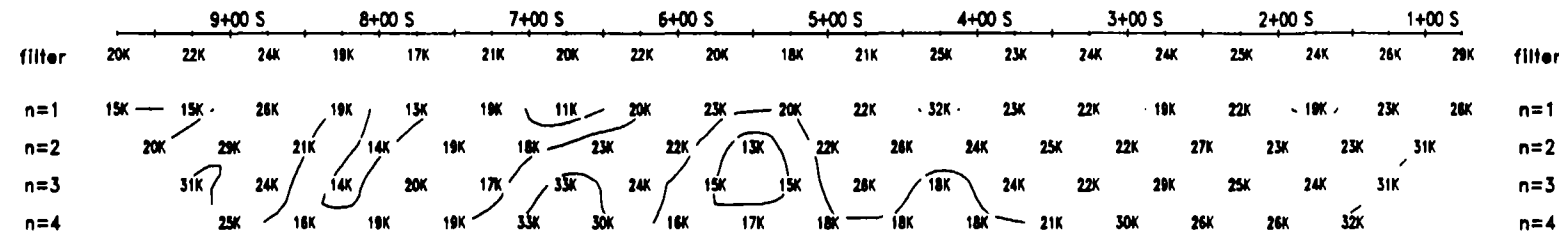
Pole-Dipole Array



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

TOPOGRAPHY

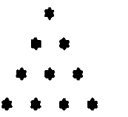
Filtered Profiles



RESISTIVITY (Ohm * m)

Resistivity
 Polarization
 Metal Factor

Filter



Logarithmic Contours

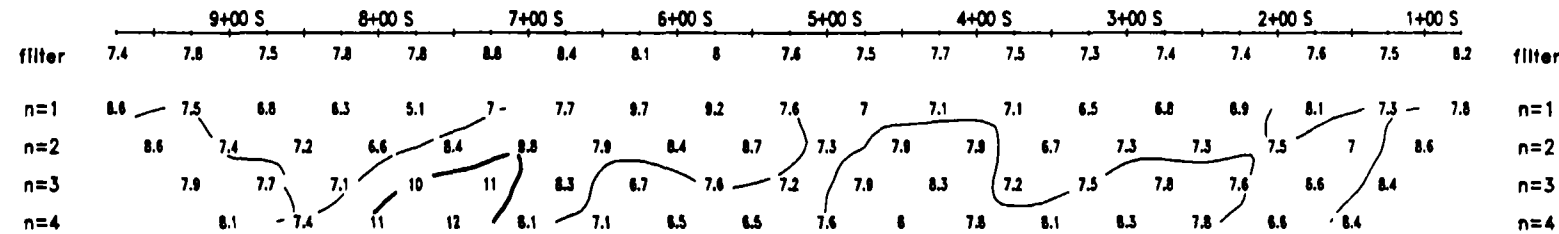
1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1,BRGM IP-6

Time cycle: 2 sec.

Operator: Gerry Shields

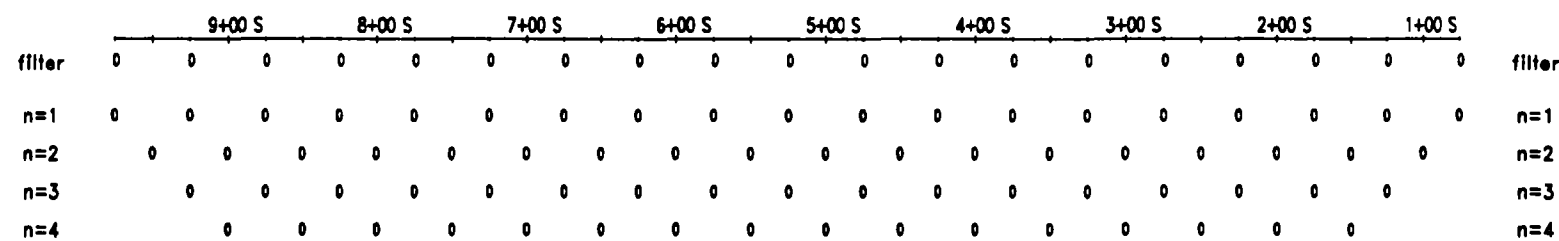
CHARGEABILITY (mV/V)



INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

INTERPRETATION



METAL FACTOR (ip/res * 100)

Induced Polarization Survey

FALCONBRIDGE LTD

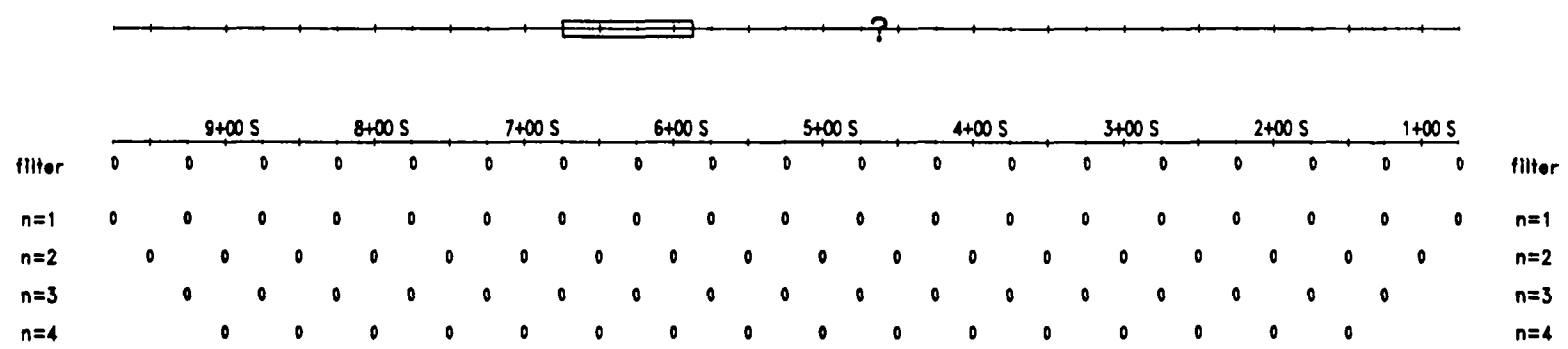
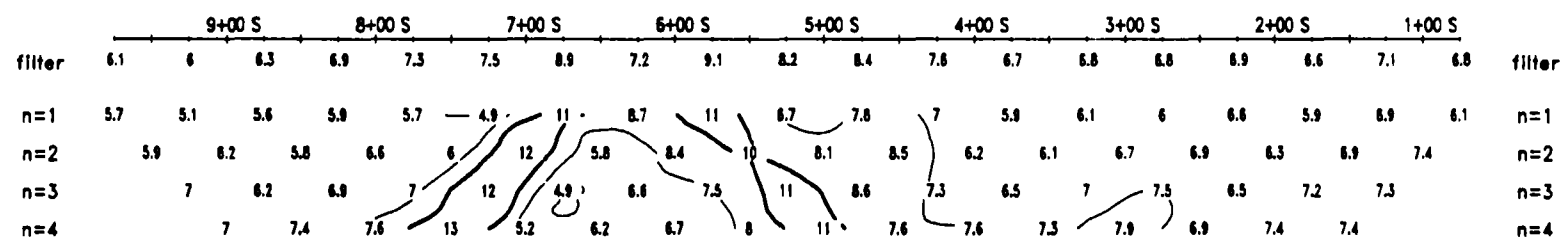
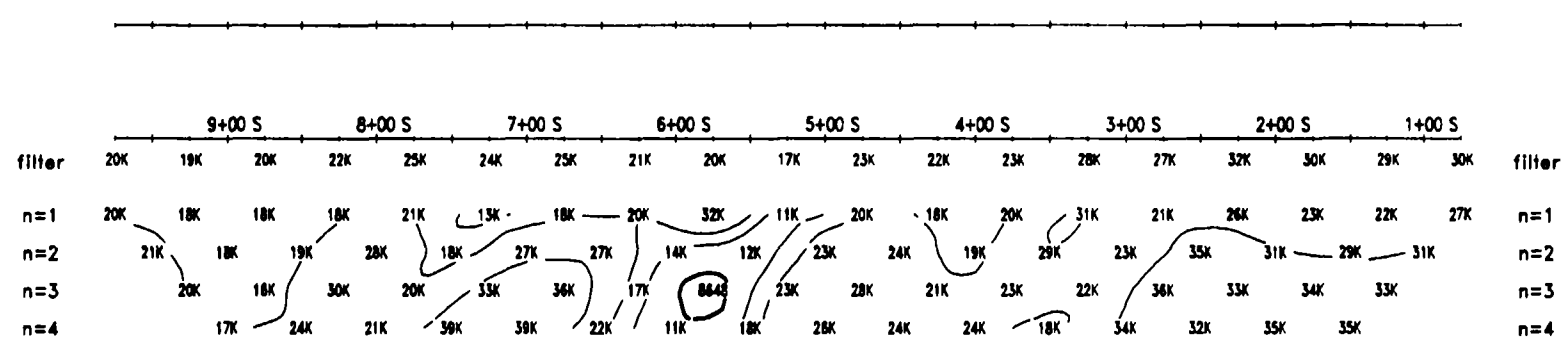
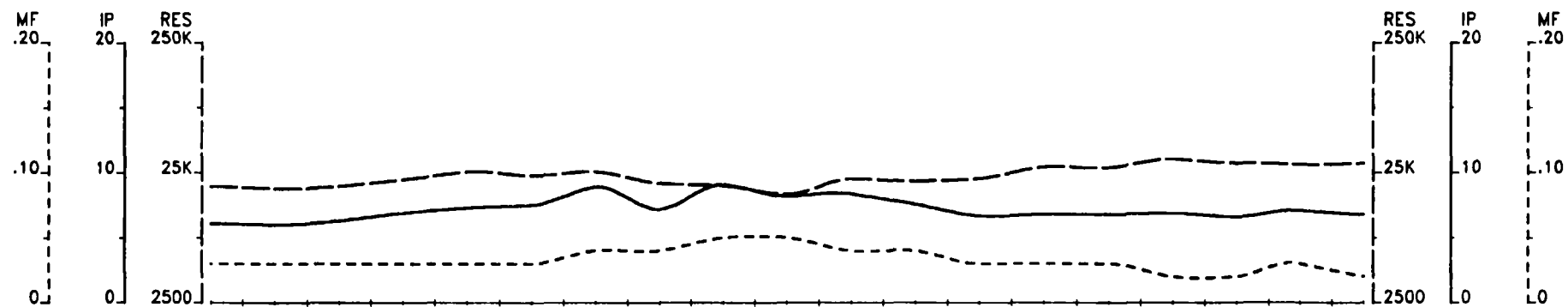
Wisner - Footwall Project
 Wisner Township

Date: 96/04/10

Interpretation by: P. Bolleau, P. Eng.

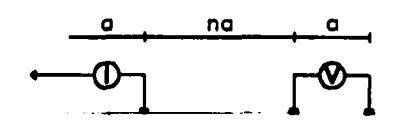
Scale 1 : 5000

VAL D'OR SAGAX INC.



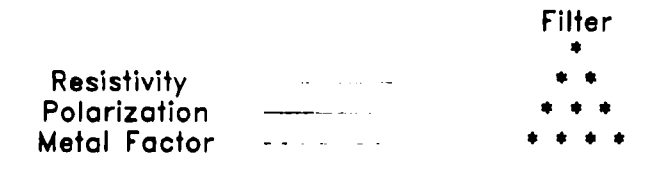
Line 900 E

Pole-Dipole Array



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

Filtered Profiles



Logarithmic Contours
 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6
 Time cycle: 2 sec.
 Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

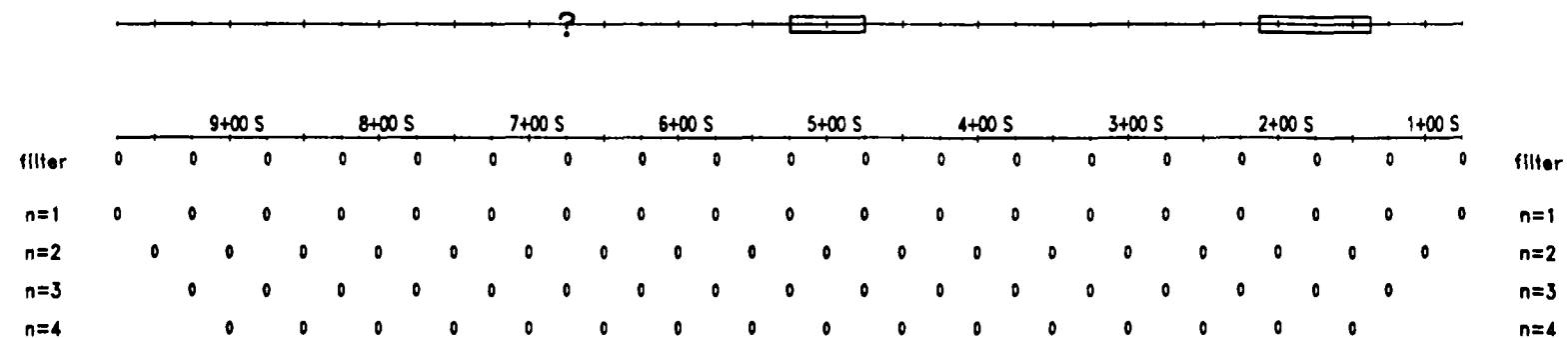
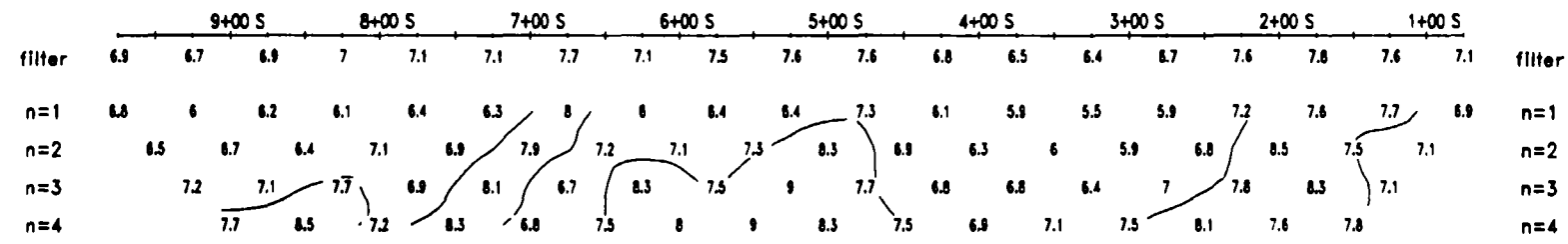
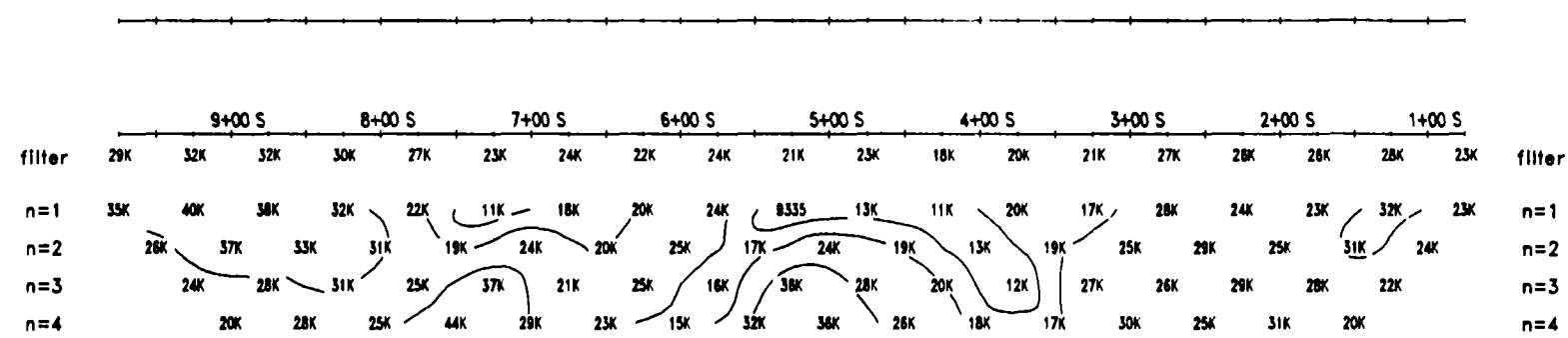
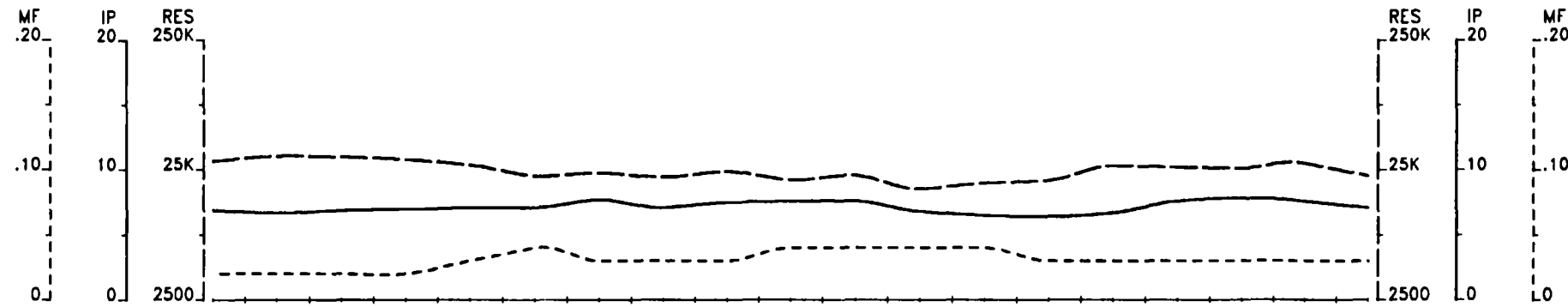
Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project
 Wisner Township

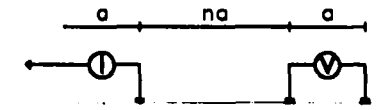
Date: 96/04/10
 Interpretation by: P. Bolleau, P. Eng.
 Scale 1 : 5000

VAL D'OR SAGAX INC.



Line 1000 E

Pole-Dipole Array



$a = 50 \text{ M}$
 $n = 1, 2, 3, 4$
 plot point

TOPOGRAPHY

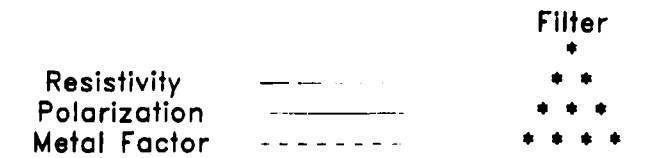
RESISTIVITY (Ohm * m)

CHARGEABILITY (mV/V)

INTERPRETATION

METAL FACTOR (ip/res * 100)

Filtered Profiles



Logarithmic Contours

1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument: PHOENIX IPT1, BRGM IP-6

Time cycle: 2 sec.

Operator: Gerry Shields

INTERPRETATION

- Increase in polarization associated to a relative decrease in apparent resistivity.
- Increase in polarization with little or no associated decrease in apparent resistivity.
- Weak or poorly defined polarization anomaly, no resistivity signature.
- Low resistivity feature. Bedrock valley or thick overburden. Structural causes?

Induced Polarization Survey

FALCONBRIDGE LTD

Wisner - Footwall Project
 Wisner Township

Date: 96/04/10

Interpretation by: P. Boileau, P. Eng.

Scale 1 : 5000

VAL D'OR SAGAX INC.



Ministry of
Northern Development
and Mines

Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
14670.00095

Personal information collected on this form is obtained under the authority
this collection should be directed to the Provincial Manager, Mining Lab
Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.



41114SE0019 2 16607 WISNER

hour
est.

- Instructions:
- Please type or print and submit in duplicate
 - Refer to the Mining Act and Regulations for requirements of Mining Recorder.
 - A separate copy of this form must be completed for each Work Group.
 - Technical reports and maps must accompany this form in duplicate.
 - A sketch, showing the claims the work is assigned to, must accompany this form.

900

19

Recorded Holder(s) <i>Falconbridge Limited Suite 1200</i>	Client No. 2.16307 <i>130679</i>
Address <i>95 Wellington St West Toronto, ON M5T 2U4</i>	Telephone No. <i>(705) 693-2761</i>
Mining Division <i>Sudbury</i>	Township/Area <i>Wisner / Foy</i>
M or G Plan No.	
Dates Work Performed From: <i>March 19 1996</i> To: <i>April 05 1996</i>	

Work Performed (Check One Work Group Only)

Work Group	Type
<input type="checkbox"/> Geotechnical Survey	
<input checked="" type="checkbox"/> Physical Work, Including Drilling	<i>Geophysics I.P. Dipole-Dipole</i>
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

RECEIVED
JUN 13 1996
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs \$ 53,626.00

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
<i>P. Boikau, D. LaPointe</i>	<i>Val Des Geophysics 50 Lamague Boulevard Val Des Quebec J9P 2K6</i>
<i>Gregg Snyder</i>	<i>Falconbridge Exploration address above</i>

(attach a schedule if necessary)

Certification of Beneficial Interest - See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date <i>April 30/96</i>	Recorded Holder or Agent (Signature) <i>[Signature]</i>
---	----------------------------	--

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying <i>Gregg Snyder P.O. Box 40 Falconbridge, ON P0M 1S0</i>		
Telephone No. <i>(705) 693-2761 ext 3662</i>	Date <i>April 30/96</i>	Certified By (Signature) <i>[Signature]</i>

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder <i>[Signature]</i>	Received Stamp RECEIVED! MAY 1 1996 A.M. 8:53 PM
Deemed Approval Date <i>July 30/96</i>	Date Approved	Date Notice for Amendments Sent	

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
	984613	1
	984614	1
	984615	1
	984627	1
	984628	1
	984629	1
	984630	1
	984631	1
	984632	1
	984633	1
	984634	1
	984635	1
	984636	1
	984637	1
	984638	1
	984639	1
	984640	1
Total Number of Claims	17	

Value of Assessment Work Done on this Claim	Value Applied to this Claim
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
Total Value Work Done	\$ 35,220.00
Total Value Work Applied	\$ 27,200.00

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	526
	460
	460
	460
	460
	460
	460
	460
	460
	460
	460
	460
	460
	460
	460
	460
	460
Total Assigned from	Total Reserve
	\$ 7,886.00

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature _____	Date _____
---	-----------------	------------

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claims Units
	984641	1
	984642	1
	984643	1
	984644	1
	984645	1
	984646	1
	993681	1
	993682	1
	993683	1
	984625	1
	984626	1
	* 984647 ^{cs}	1
	* 994137 ^{cs}	1
Total Number of Claims		9

Value of Assessment Work Done on this Claim	Value Applied to this Claim
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
2060	1600
0	800
0	800
0	820
Total Value Work Done	Total Value Work Applied
\$ 18,540.00	\$ 17,620.00

Value Assigned from this Claim	Reserve Work to be Claimed at a Future Date
460	460
460	460
460	460
460	460
460	460
460	460
460	460
460	460
460	460
460	460
460	460
460	460
Total Assigned from	Total Reserve
\$ 3,200	\$ 3,200.00

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

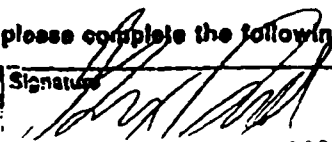
In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature



Date

April 20/96

676-5281

SUMMARY OF EXPENDITURES

Line Cutting

Line cutting@ \$230.00km * 51.2km \$11,776.00

Senior Field Geologist
11 days @ \$ 250/day \$ 2750.00
(including supervision/
report writing)

Geophysics
IP (dipole-dipole) @\$850.00km * 46.00km \$39,100.00

Total \$53,626.00

2.16607

RECEIVED
JUN 13 1996
MINING LANDS BRANCH

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

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

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

July 25, 1996

Our File: 2.16607
Transaction #: W9670.00095

Mining Recorder
Ministry of Northern Development & Mines
933 Ramsey Lake Road, 3rd Floor
Sudbury, Ontario
P3E 6B5

Dear Mr. Denomme:

**SUBJECT: APPROVAL OF ASSESSMENT WORK CREDIT ON MINING LAND,
CLAIMS S.984613 ET AL IN WISNER & BOWELL TOWNSHIPS**

Assessment work credit has been approved as outlined on the Declaration of Assessment Work Form accompanying this submission. The credit has been approved under Section 14, Geophysics (IP), of the Assessment Work Regulation.

The approval date is July 24, 1996.

If you have any questions regarding this correspondence, please contact Lucille Jerome at (705) 670-5858.

Yours sincerely,
ORIGINAL SIGNED BY:



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

LBJ/jf

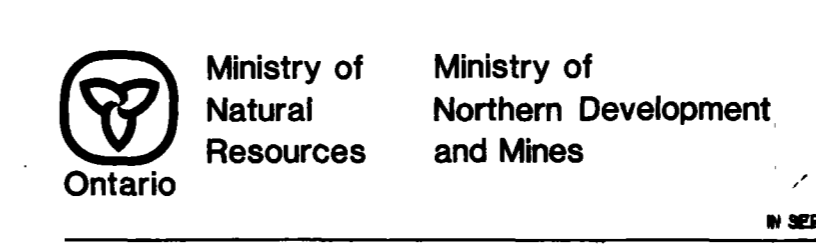
cc: Resident Geologist
Sudbury, Ontario

✓ Assessment Files Library
Sudbury, Ontario

G-4121

WISNER TWP

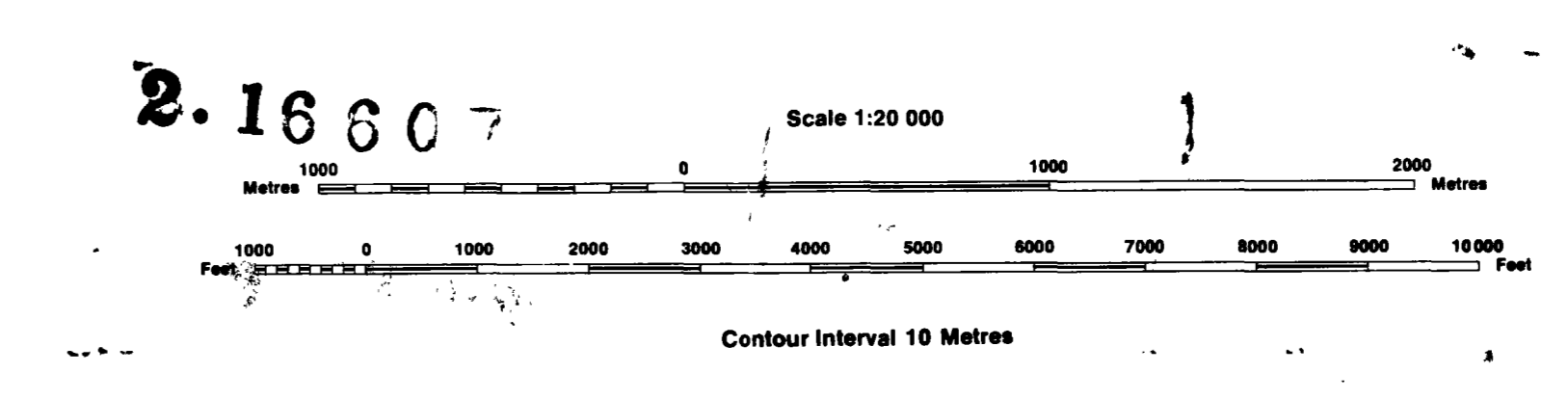
G-4121



INDEX TO LAND DISPOSITION

PLAN G-4121 TOWNSHIP WISNER

M.N.R. ADMINISTRATIVE DISTRICT SUDBURY MINING DIVISION SUDBURY LAND TITLES/REGISTRY DIVISION SUDBURY



AREAS WITHDRAWN FROM DISPOSITION MRO - Mining Rights Only SRO - Surface Rights Only M&S - Mining and Surface Rights

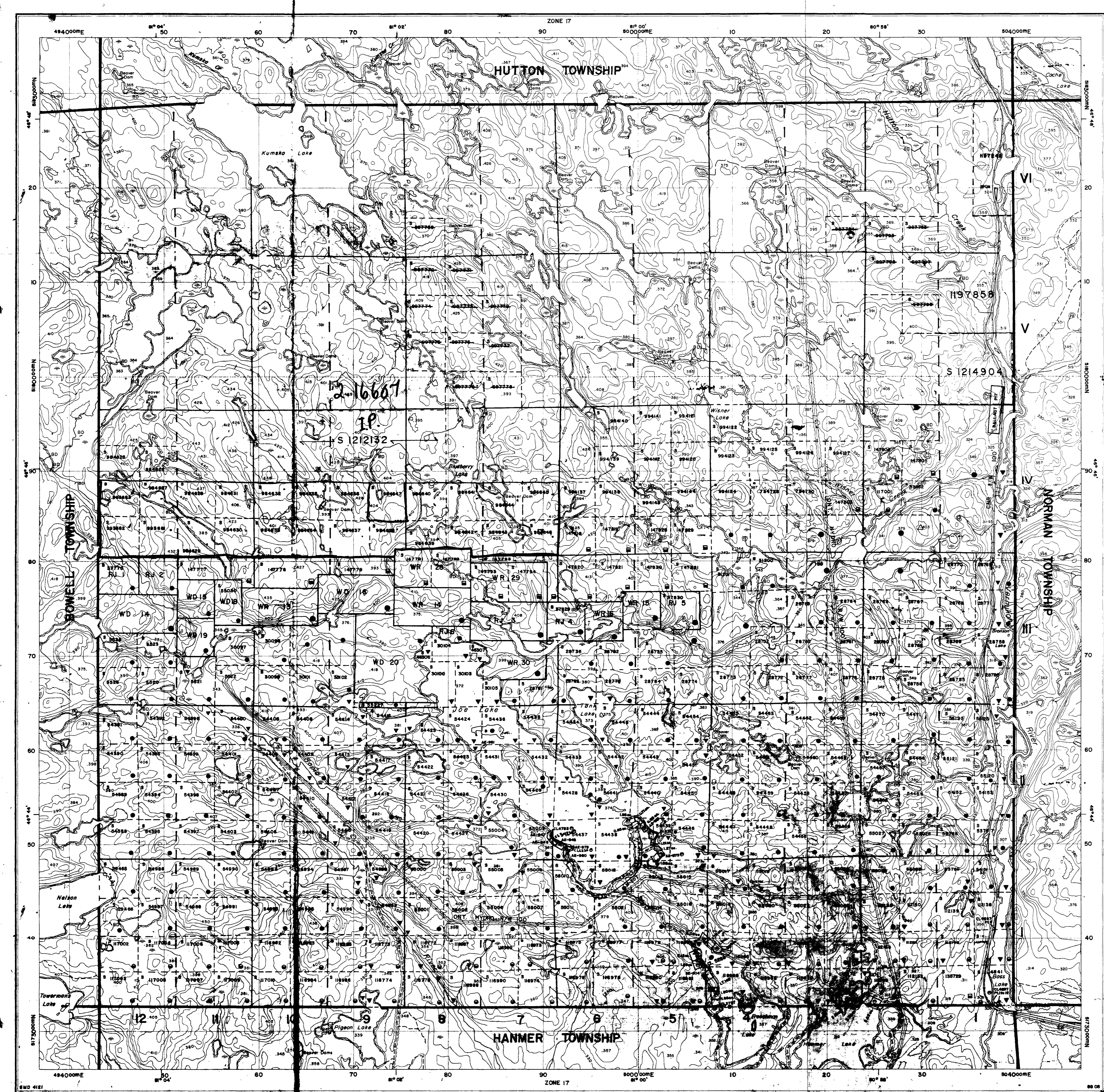
SYMBOLS table listing various map features like Boundary, Road allowance, Lot/Concession, Parcel, Right-of-way, Reservation, Contour, Depression, Flooded land, Mine head frame, Pipeline, Railway, Road, Shoreline, and Wooded area with their corresponding symbols.

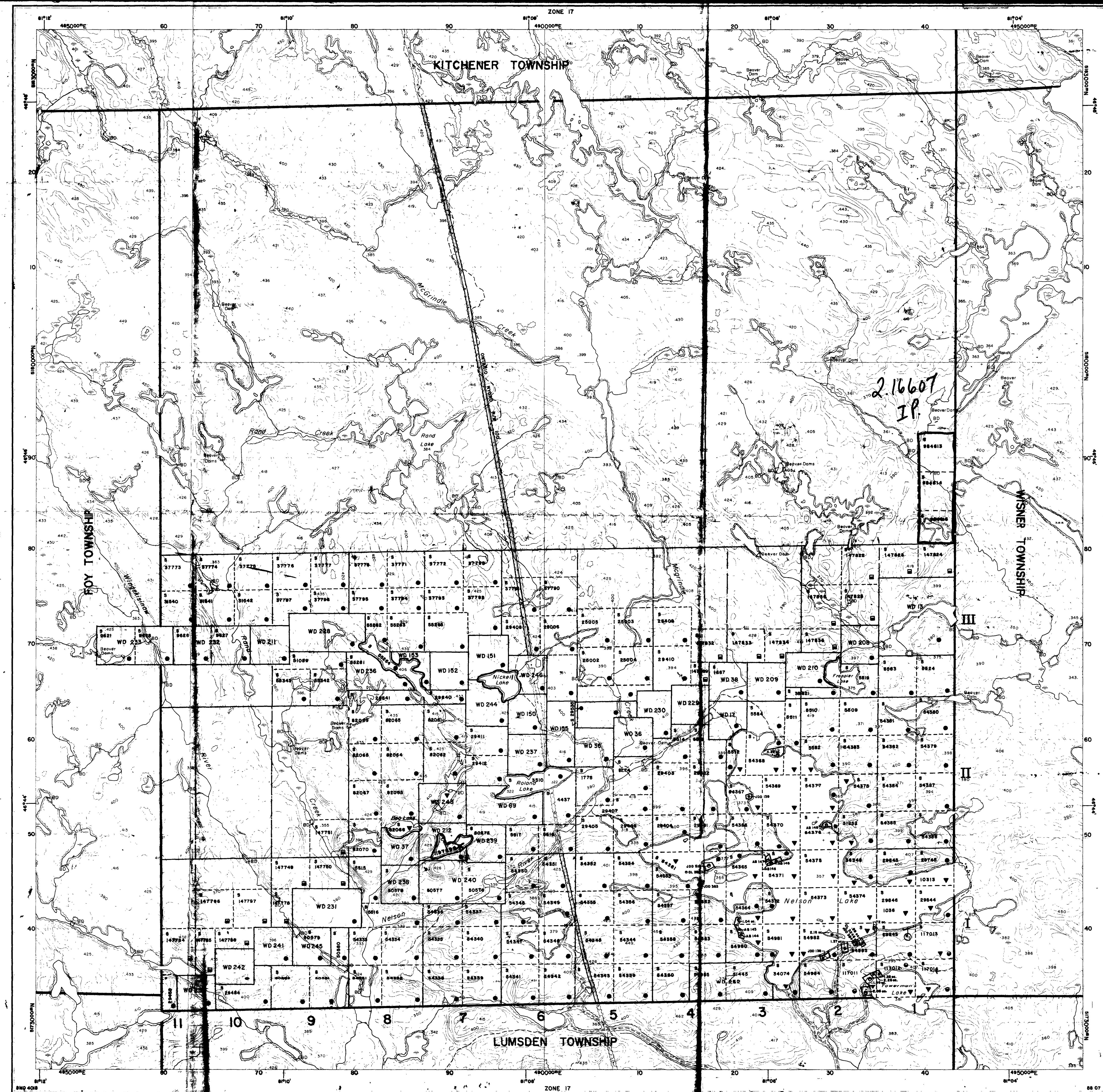
DATE OF ISSUE JUN 11 1980 SUDBURY MINING RECORDER'S OFFICE

DISPOSITION OF CROWN LANDS table listing various land status types like Patent, Lease, Licence of Occupation, Order-in-Council, Cancelled, Reservation, and Sand & Gravel with their corresponding symbols.

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED...

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



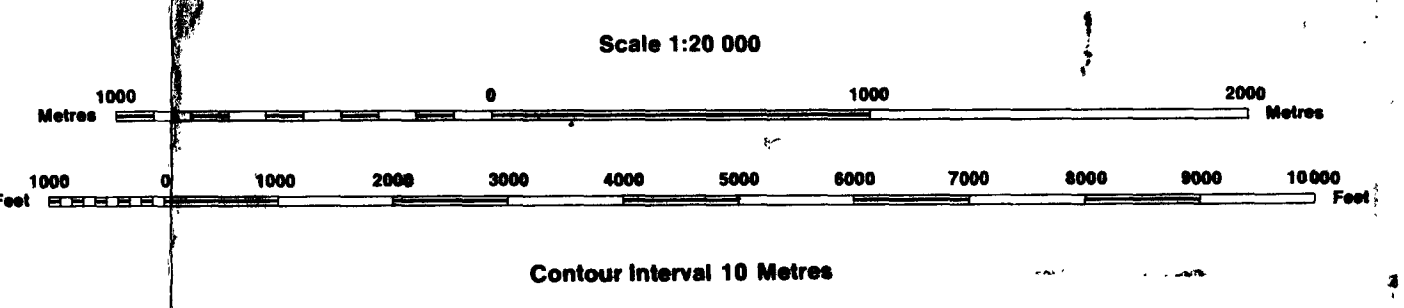


Ministry of Northern Development and Mines

INDEX TO LAND DISPOSITION

PLAN
G-4015
TOWNSHIP
BOWEL

M.N.R. ADMINISTRATIVE DISTRICT
SUDBURY
MINING DIVISION
SUDBURY
LAND TITLES/REGISTRY DIVISION
SUDBURY



SYMBOLS

- Boundary
- Township, Meridian, Baseline
- Road allowance, surveyed, shoreline
- Lot/Concession, surveyed, unsurveyed
- Parcel, surveyed, unsurveyed
- Right-of-way, road, utility
- Reservation
- Chf. Pt. File
- Contour
- Interpolated
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mine head frame
- Pipeline (above ground)
- Railway, single track, double track, abandoned
- Road, highway, county township, access, trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

AREAS WITHDRAWN FROM DISPOSITION

- MRO - Mining Rights Only
- SRO - Surface Rights Only
- M+S - Mining and Surface Rights

DATE OF ISSUE

JUL 24 1988

SUDBURY
MINING RECORDERS OFFICE

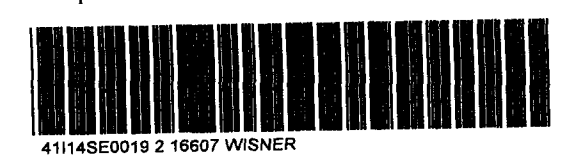
DISPOSITION OF CROWN LANDS

- 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
- Cancelled
- Reservation
- Sand & Gravel

NOTES

NO DOCUMENTATION ON RECORD TO SUPPORT L.O. AS SHOWN ON W.D.212 - JUNE 14/84

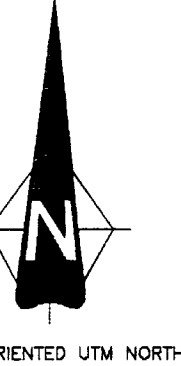
THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE HOLDING TO BEING MADE SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREOF.



4015

BOWELL TOWNSHIP

G-4015



Baseline

984613

984625

984626

BLUE BERRY LAKE

TL10+00mS

994147

147818

L42+00mW
L41+00mW
L40+00mW

L37+00mW
L36+00mW
L35+00mW
L34+00mW

L33+00mW
L32+00mW
L31+00mW
L30+00mW

L29+00mW
L28+00mW
L27+00mW
L26+00mW
L25+00mW
L24+00mW
L23+00mW
L22+00mW
L21+00mW
L20+00mW
L19+00mW

L18+00mW
L17+00mW
L16+00mW
L15+00mW
L14+00mW
L13+00mW

L12+00mW
L11+00mW
L10+00mW
L9+00mW
L8+00mW
L7+00mW
L6+00mW
L5+00mW
L4+00mW
L3+00mW
L2+00mW
L1+00mW

L0+00mE
L1+00mE
L2+00mE
L3+00mE
L4+00mE
L5+00mE
L6+00mE
L7+00mE
L8+00mE
L9+00mE
L10+00mE

BOWELL TWP
WISNER TWP

LEGEND

INTERPRETATION

- Unit of higher polarization associated with a relative decrease in the apparent resistivity.
- Well-connected, conductive metallic minerals.
- Stringer sulfides in a strongly sheared structure.
- Unit of higher polarization with little or no associated decrease of the apparent resistivity.
- Stringer or disseminated, poorly conductive metallic minerals.
- Massive magnetite. Micaceous minerals.
- Weak or poorly defined polarization anomaly with no apparent signature of resistivity. Thin, discontinuous veins of metallic minerals.
- Magnetite, clay or micaceous minerals.
- High resistivity feature. Bedrock ridge, thinner overburden, high resistivity unit.
- Low resistivity feature. Bedrock valley, thicker overburden, low resistivity unit.
- Possible tectonic or structural causes.

GENERAL

- Interpreted shear zone.
- Interpreted fault.

CONTOUR INTERVALS (Ohm * metre)

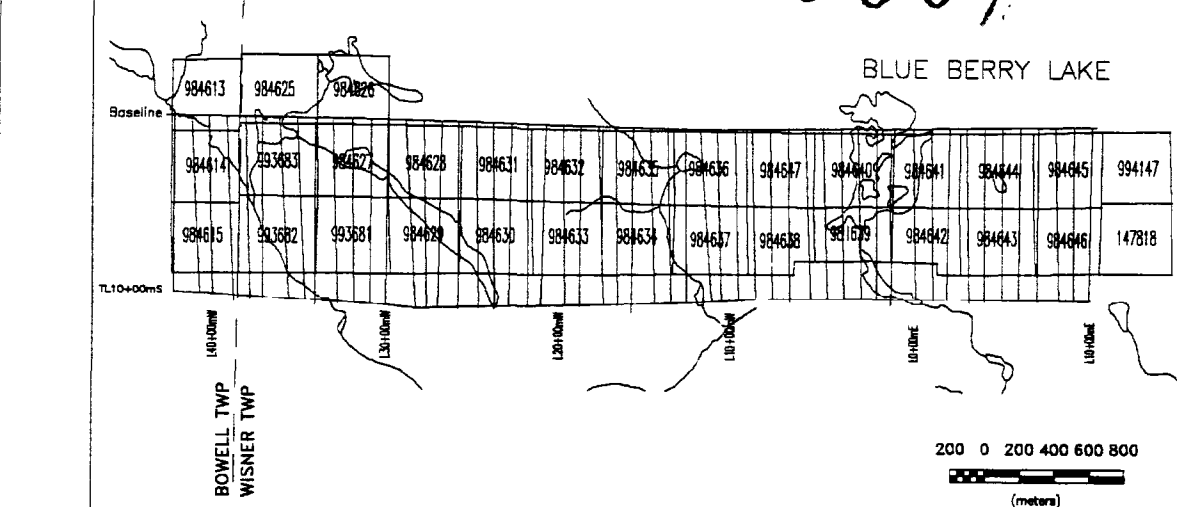
Logarithmic contours:

- 0.05 10, 11.2, 12.5, 14.1, 16, 18, 20, 22
- 0.1 10, 12.5, 16, 20, 25, 32, 40
- 0.5 10, 32, 100, 320, 1000

Electrode array: Pole-nipole
g = 50 m n = 1, 2, 3, 4
Instrument: PHOENIX IPT1, BRGM IP-6
Time cycle: 2 sec.

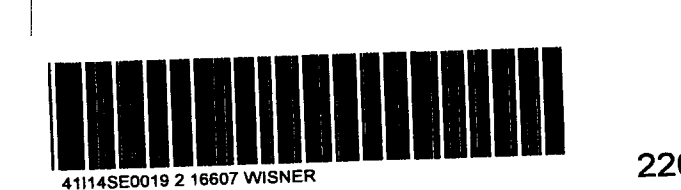
RECEIVED
JUN 15 1996
SCALE 1 : 5 000
MINING LANDS RESEARCH
(meters)

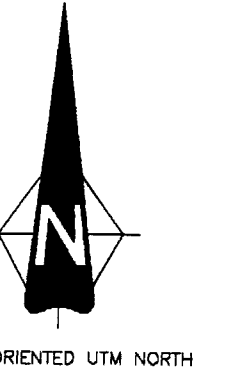
2.16607



FALCONBRIDGE EXPLORATION
FALCONBRIDGE, ONTARIO.
WISNER - FOOTWALL PROJECT
INDUCED POLARIZATION SURVEY
RESISTIVITY CONTOURS (FILTE)

Interpreted by: P. Boileau, P.Eng. Date: 04/96
Scale 1 : 5 000
Drawing no: 96-002-4.2 **VAL D'OR SAGAX INC.**





Baseline

BLUE BERRY LAKE

TL10+00mS

L42+00mW
L41+00mW
L40+00mW

L37+00mW
L36+00mW
L35+00mW
L34+00mW

L33+00mW
L32+00mW
L31+00mW
L30+00mW

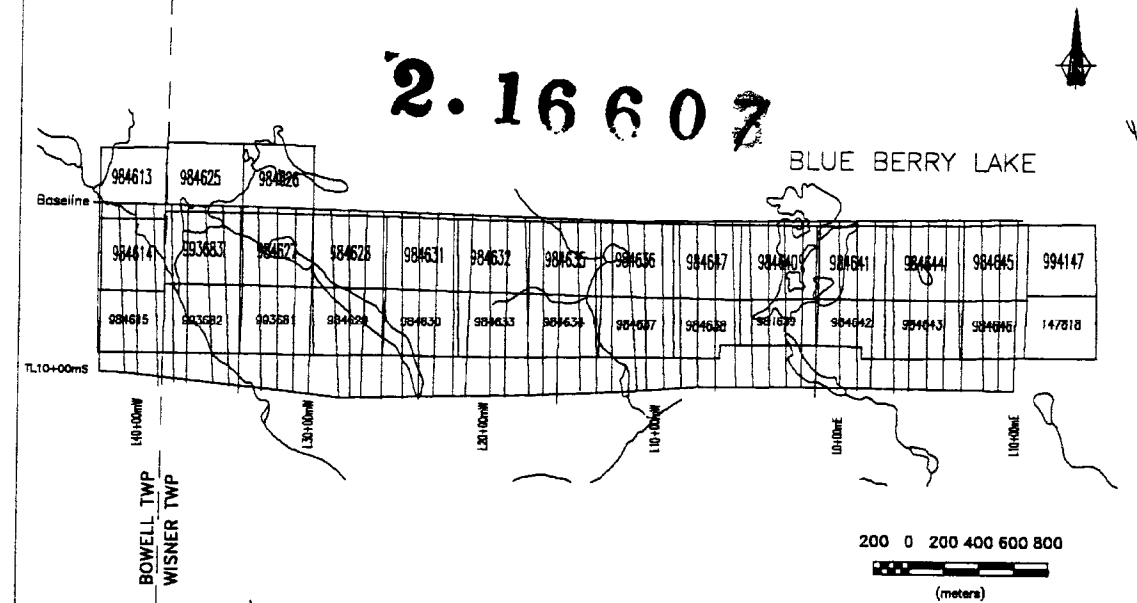
L29+00mW
L28+00mW
L27+00mW
L26+00mW
L25+00mW
L24+00mW
L23+00mW
L22+00mW
L21+00mW
L20+00mW
L19+00mW
L18+00mW
L17+00mW
L16+00mW
L15+00mW
L14+00mW
L13+00mW

L12+00mW
L11+00mW
L10+00mW
L9+00mW
L8+00mW
L7+00mW
L6+00mW
L5+00mW
L4+00mW
L3+00mW
L2+00mW
L1+00mW
L0+00mE
L11+00mE
L2+00mE
L3+00mE
L4+00mE
L5+00mE
L6+00mE
L7+00mE
L8+00mE
L9+00mE
L10+00mE

BOWELL TWP
WISNER TWP

LEGEND
CONTOUR INTERVALS (mV/V)
 Linear contours:
 - - - - - 1
 - - - - - 2
 - - - - - 5
 Electrode array: Pole-dipole
 a = 50 m; n = 1,2,3,4
 Instrument: PHOENIX IPT1, BRW IP-6
 Time cycle: 2 sec.

RECEIVED
 JUN 13 1996
 MINING LANDS BRANCH
 SCALE 1 : 5 000
 100 0 100 200 300 400
 (meters)



FALCONBRIDGE EXPLORATION
 FALCONBRIDGE, ONTARIO.
WISNER - FOOTWALL PROJECT
 INDUCED POLARIZATION SURVEY
 CHARGEABILITY CONTOURS (FILTRÉ)
 Interpreted by: P. Boileau, P.Eng. Date: 04/96
 Scale 1 : 5 000
 Drawing no: 96-002-4.3 **VAL D'OR SAGAX INC.**