010

REPORT
ON
INDUCED POLARIZATION
SURVEY

GRIDS B AND C
CURRIE-BOWMAN OPTION

CURRIE TOWNSHIP
NTS: 42-A/10 PROJ # 8262

FOR

FALCONBRIDGE LIMITED

2.17127

2.17127

NOVENBER 1996

D. LONDRY
TIMMINS GEOPHYSICS LTD.

SUMMARY AND RECOMMENDATIONS

During August of 1996 an IP survey was carried out on two grids in Currie Township as part of the Currie-Bowman Option for Falconbridge Limited.

The survey outlined two chargeability anomalies on each of the grids. Anomaly B1, C1 and C2 are associated with low resistivity and anomaly B2 coincides with high resistivity. All of these anomalies should be tested by diamond drilling.

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INTRODUCTION

During August of 1996, an induced polarization (IP) survey was carried out on two grids in Currie Township for Falconbridge Limited.

The property is located in west central Currie Township, Larder Lake Mining Division (Figure 1(a)). The town of Matheson is approximately 8 kilometres to the north northeast and the city of Timmins is 44 kilometres to the west. The two grids were accessed by travelling south from Highway 101 along a dirt road located between Lots 8 and 9.

The property consists of five mining claims which are comprised of a total of 16, forty acre claim units. Grid B is located on claim 1198869, which is comprised of 12, forty acre claim units in Concession III, Lots 8 and 9 (Table 1), Currie Township. Grid C is located on claims 866721 to 866724 inclusive, which are each comprised of 1, forty acre claim unit in Concession III, Lot 6, Currie Township.

CLAIM NUMBER	NUMBER OF CLAIM UNITS	DESCRIPTION	TOWNSHIP
1198869	12	S1/2 Lots 8&9 Con III SE1/4 SW1/4 N1/2 Lot 8 Con III SE1/4 SW1/4 N1/2 Lot 9 Con III	Currie
866721	1	SW1/4 N1/2 Lot 6 Con III	Currie
866722	1	SE1/4 N1/2 Lot 6 Con III	Currie
866723	1	NE1/4 S1/2 Lot 6 Con III	Currie
866724	1	NW1/4 S1/2 Lot 6 Con III	Currie

Table 1 : Claim Description

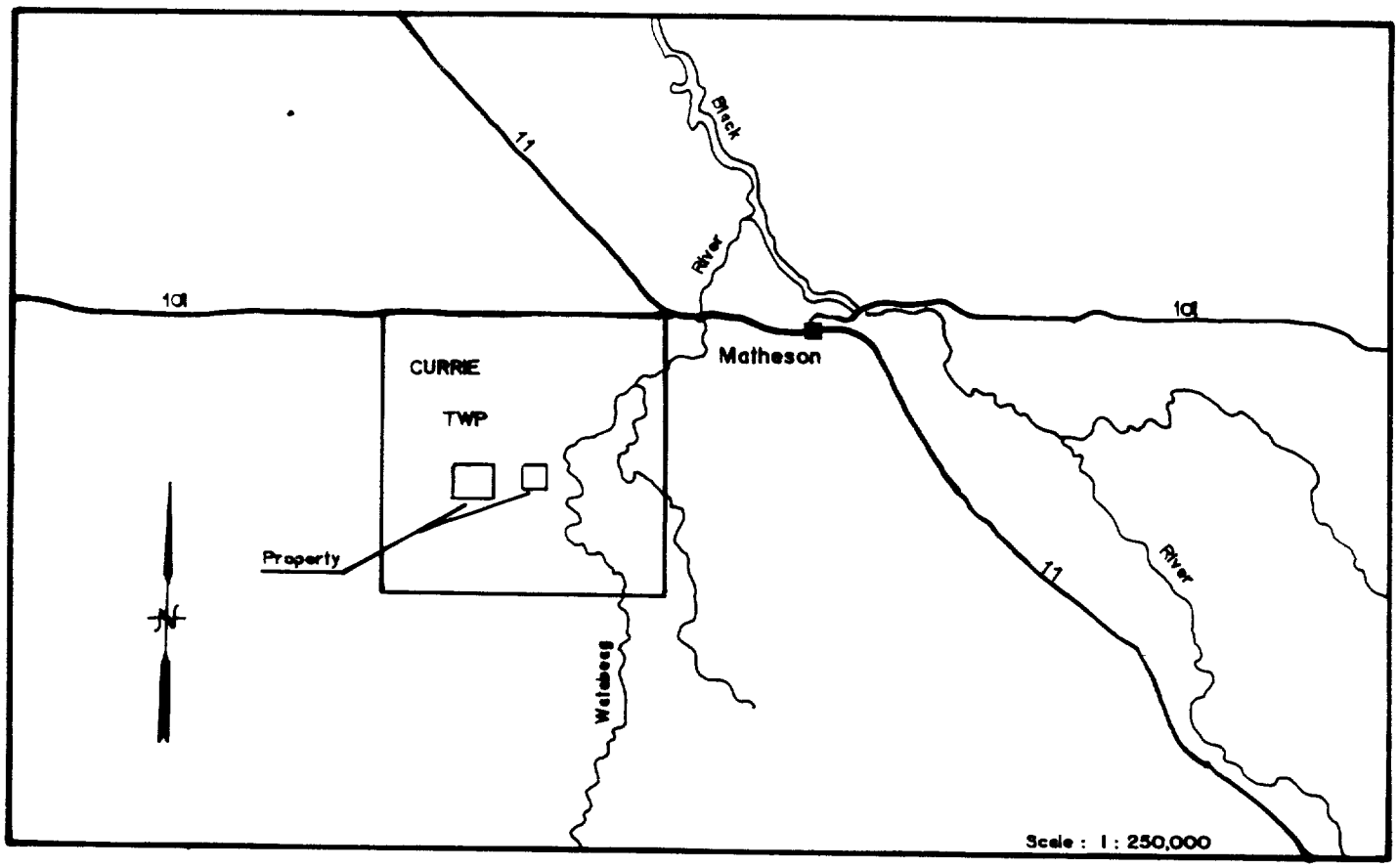


Figure I(a) : Location Map

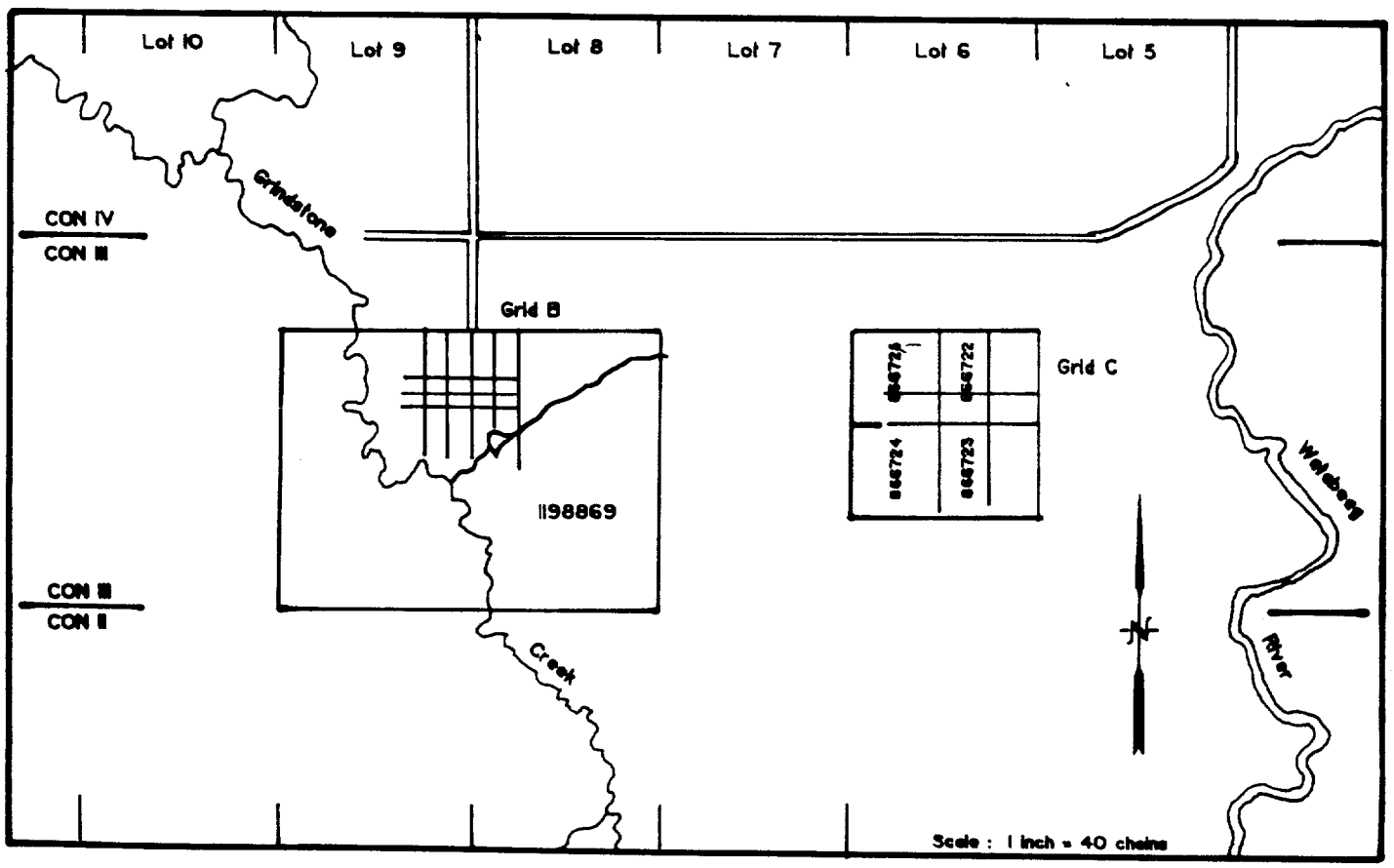


Figure I(b) : Claim Map

The survey was carried out by Timmins Geophysics Ltd. under the supervision of D. Londry.

GENERAL GEOLOGY

Currie and Bowman Townships, were mapped by E.J. Leahy in 1962/63. Most of the gridded area is underlain by Keewatin intermediate to felsic calc-alkalic volcanics belonging to the Bowman Assemblage (Fyon and Green, 1990). Overlying these rocks to the south are tholeitic mafic volcanics of the Kinojevis Group which have been intruded by Algoman granites such as the Watabeag Intrusive in southern Bowman Township. All of the rocks have been intruded by north-south striking Matachewan quartz diabase and northeast-southwest striking Keweenawan olivine diabase.

Geophysically, the diabase dikes are mapped by their high magnetic signature and the Kinojevis rocks are distinguished from the northern Bowman Assemblage by their higher magnetic susceptibility (OGS 1994). A graphitic argillite, located near the top of the Bowman Assemblage, was outlined by conductivity in the 1983 airborne survey by O.G.S. The strike of the conductor and the magnetics is close to east-west except in Lots 1 and 2, Currie Township where it is northeast-southwest. An overburden drilling program carried out by the Tillex Syndicate in 1973 and 1974 led to the discovery of a copper deposit within the argillite in Lot 12, Currie Township.

PREVIOUS WORK

A number of companies have carried out previous work in Currie Township in the search both gold and base metals.

In 1973 and 1974, the Tillex Syndicate, which was a joint venture of Canadian Nickel Company Limited, Asarco Exploration Company of Canada Limited, Brascan Resources Limited, Western Mines Limited and Derry, Michener & Booth, carried out an overburden drill program which led to the discovery of a copper deposit located in Lot 1, Concession III, Currie Township.

In 1995, Falconbridge Limited carried out a soil sampling program on the area covered in this report.

In 1983, the Ontario Geological Survey carried out an airborne magnetic and EM survey in the Matheson area which included Currie Township. The line spacing used in this survey was approximately 200 metres.

In 1985 and 1986 Chevron Minerals Ltd. ran an overburden program in the area and in 1987, sank two diamond drill holes directly to the north of Grid B at the boundary between Concessions III and IV.

In 1987, Cominco drilled a hole to test a horizontal loop conductor on a claim held by R. Allerston directly to the east of Grid B.

In 1988 to 1990 Cross Lake Minerals Limited carried out an exploration program over a number of properties in Currie and Bowman Townships which included a wholerock geochemical study and geological and geophysical surveys. In 1989, they ran an induced polarization survey on the two grids covered in this report. The survey was run with a pole dipole array with an electrode separation of 50 metres and readings were taken for n=1 to 4.

In 1990 and 1991, Granges Inc. carried out magnetic, VLF, VLF-R, and HLEM

surveys over properties in Currie and Bowman Townships which were optioned from Cross Lake Minerals. In 1990 a hole was drilled in the vicinity of Grid C.

SURVEY DESCRIPTION

Grid B consists of five north-south lines spaced every 100 metres from 13000 East to 13400 East and three east-west lines spaced every 50 metres from 10050 North to 10150 North.

Grid C consists of three north-south lines spaced every 200 metres from Line 15200 East to Line 15600 East and two east-west lines at 10000 North and 10100 North.

The IP survey was carried out with the Scintrex IPR-11 time domain receiver and the Scintrex TSQ-3 3000 Watt transmitter. A dipole-dipole array was used with an 'a' spacing of 40 meters; the reading interval on all lines was 40

SLICE	DELAY TIME (MS)	INTEGRATION TIME (MS)
0	30	30
1	60	30
2	90	30
3	120	30
4	150	180
5	330	180
6	510	180
7	690	360
8	1050	360
9	1410	360

Table 2: Delay and integration times of the Scintrex IPR-11 IP receiver.

metres and readings were taken for 'n' values of 1 to 4. The current on-off time is two seconds; with the IPR-11, integration takes place during ten time intervals or 'slices', after shut-off. Table 2 lists the delay and integration times for each slice.

IP RESULTS

The filtered M5 chargeability and IP resistivity are presented on plan maps for each grid at a scale of 1:5000. The filter used is a weighted average of all of the 'n' values; the shape and weights used in the filter are given on the maps. The results are also plotted as pseudo-sections for each line at a scale of 1:2500.

A colour image of the n=1 data from Grid B are presented in Figures 2 and 3 and the n=2 data from Grid C are presented in Figures 4 to 5 at a scale of 1:5000.

GRID B

The survey on Grid B outlined two chargeability anomalies which are labelled B1 and B2 on the pseudo-sections. The anomalous low and high readings at 9980 and 1020 North, respectively, on the Line 13200 East pseudo-section are likely due to the casing of a previous drill hole. These values were omitted from the plan maps.

Anomaly B1 strikes east northeast between 9960 North on Line 13000 East and

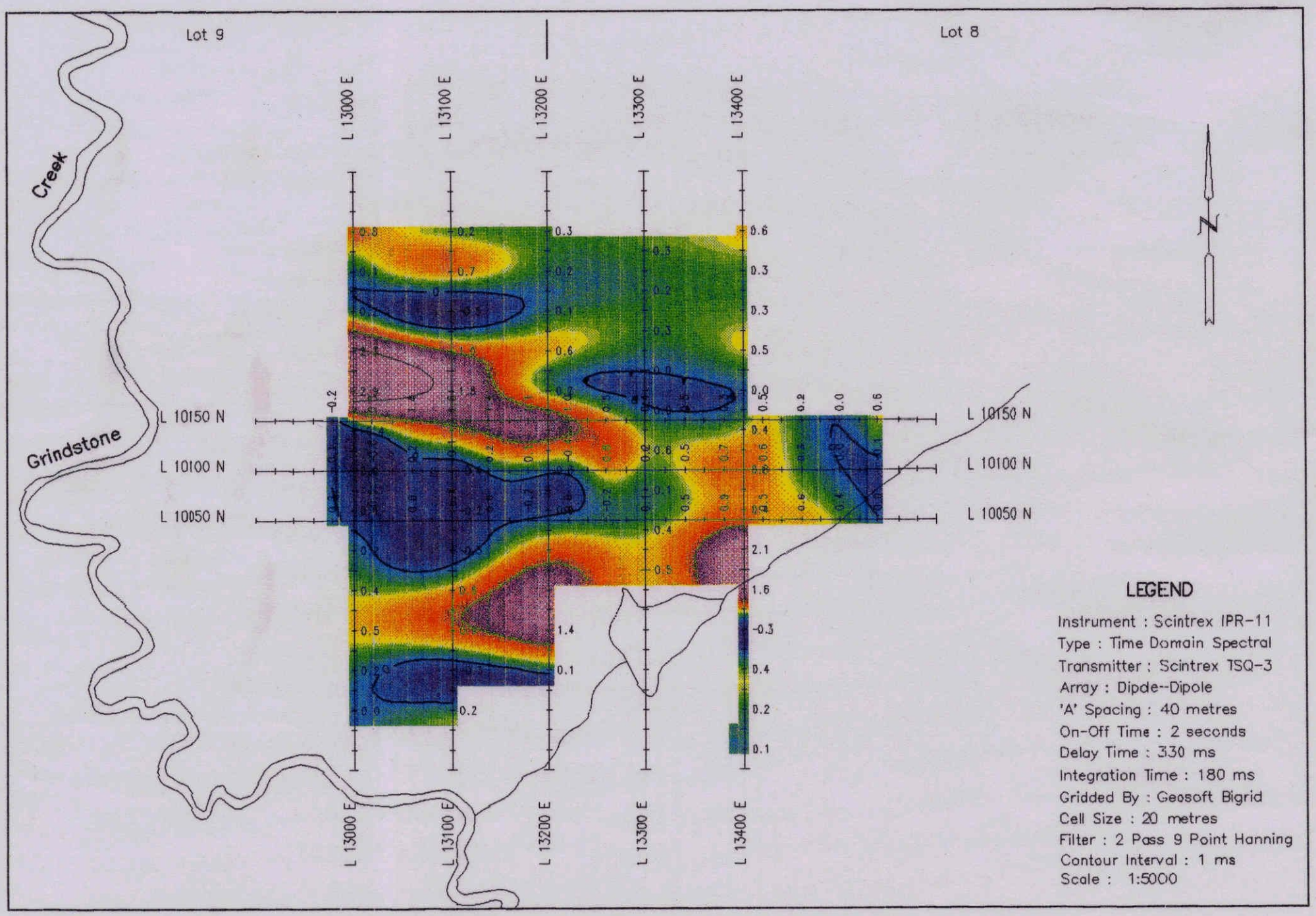


Figure 2 : Colour Image of M5 Chargeability, n=1, Grid B

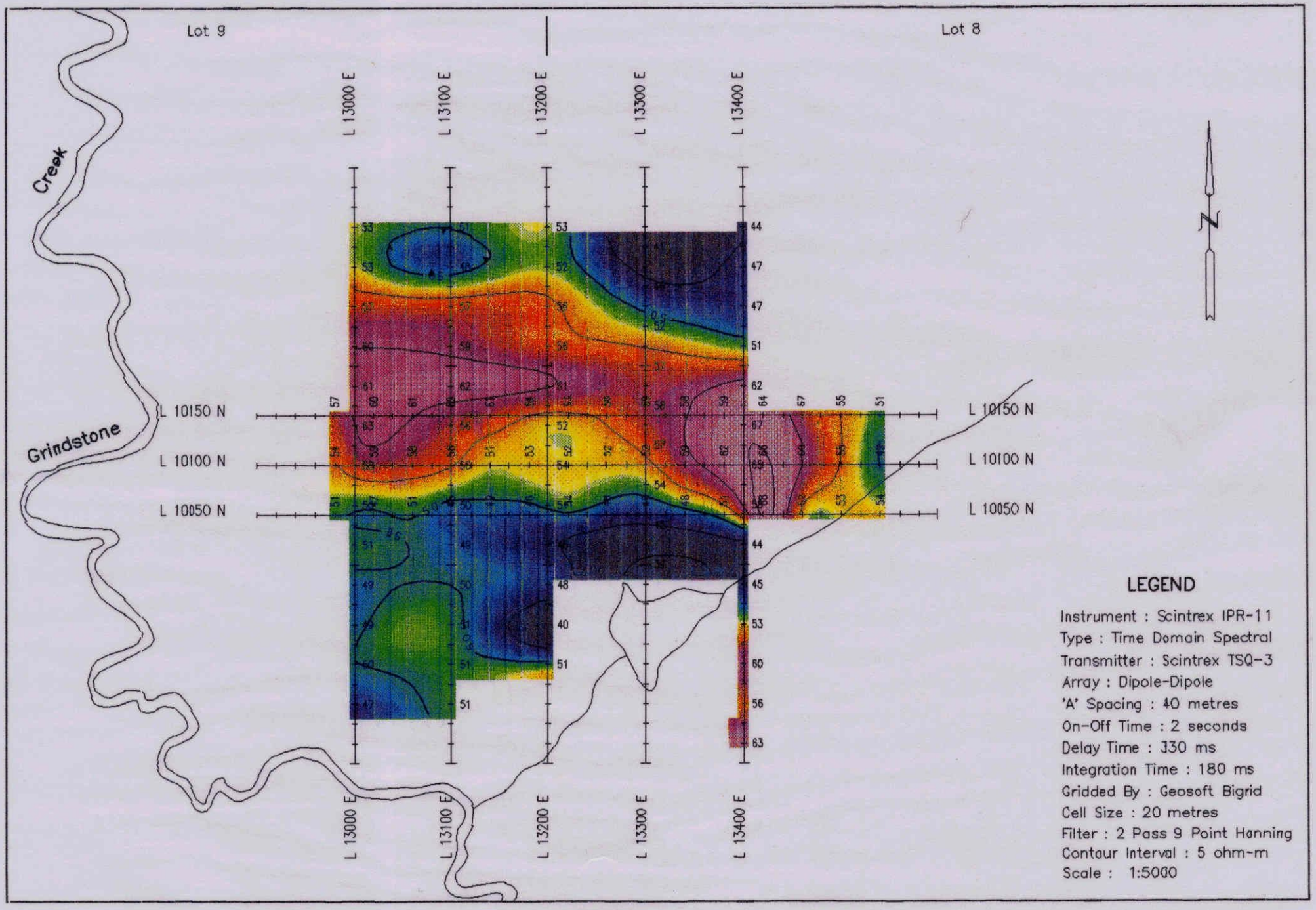


Figure 3 : Colour Image of IP Resistivity, n=1, Grid B

10020 North on Line 13400 East. The high chargeability coincides with a low resistivity and likely represents the graphitic argillite horizon which is located near the top of the Bowman Assemblage.

Anomaly B2 strikes east southeast between 10200 North on Line 13000 East and 10100 North on Line 13400 East. The amplitude of this anomaly decreases to the east and coincides with high resistivity. It should be tested by diamond drilling on Line 13000 East where the amplitude is highest.

GRID C

The survey on Grid C also outlined two chargeability anomalies which are labelled C1 and C2 on the pseudo-sections.

Anomaly C1 strikes east-west at 9920 North and decreases in amplitude to the east. Anomaly C2 is located 100 metres to the north of anomaly C1 on Line 15600 East. Both of these anomalies have coincident low resistivity anomalies and also likely represent the graphitic argillite.

Nov. 29/96

DATE

D. LONDRY

TIMMINS GEOPHYSICS LTD.

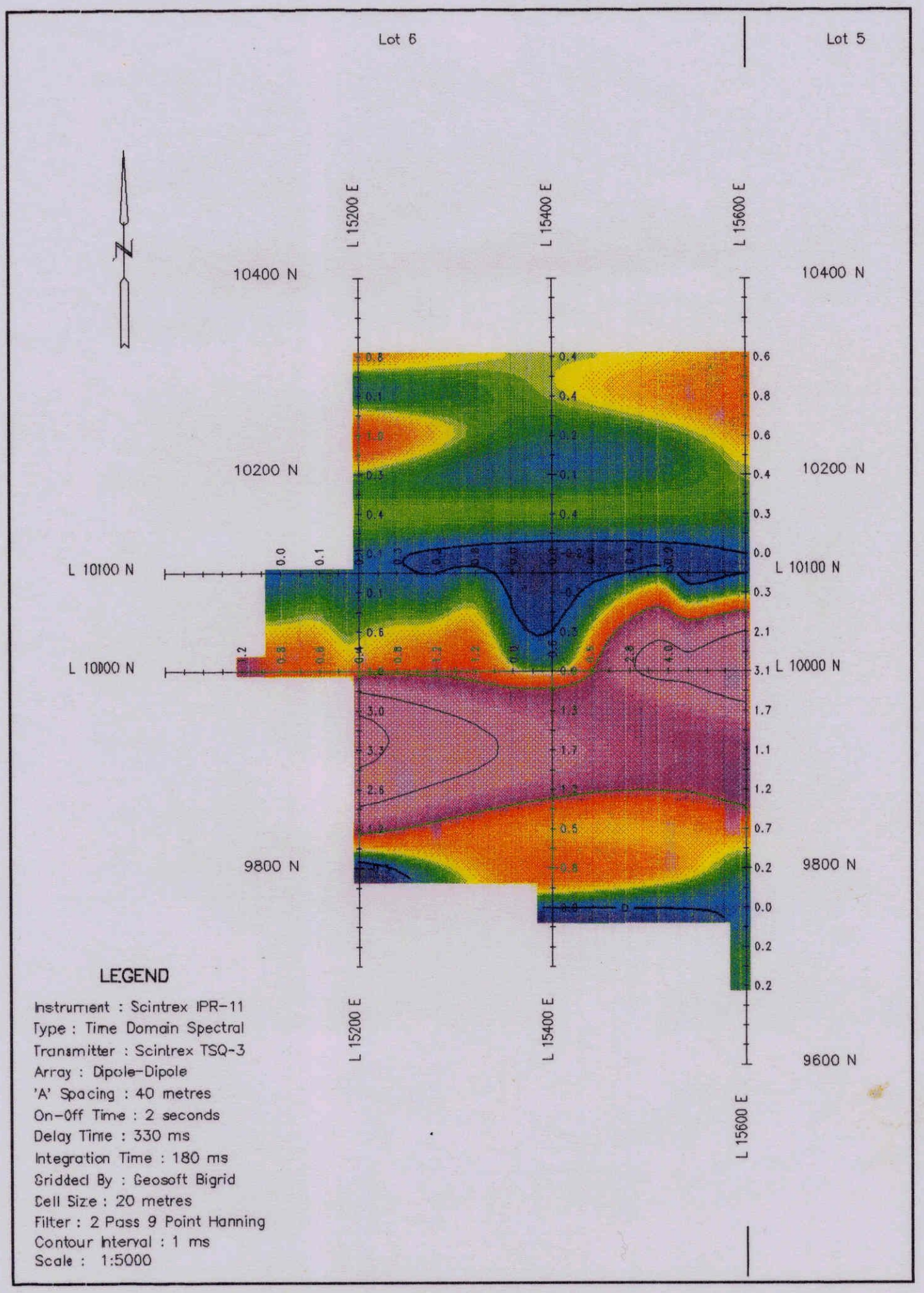


Figure 4 : Colour Image of M5 Chargeability, n=2, Grid C

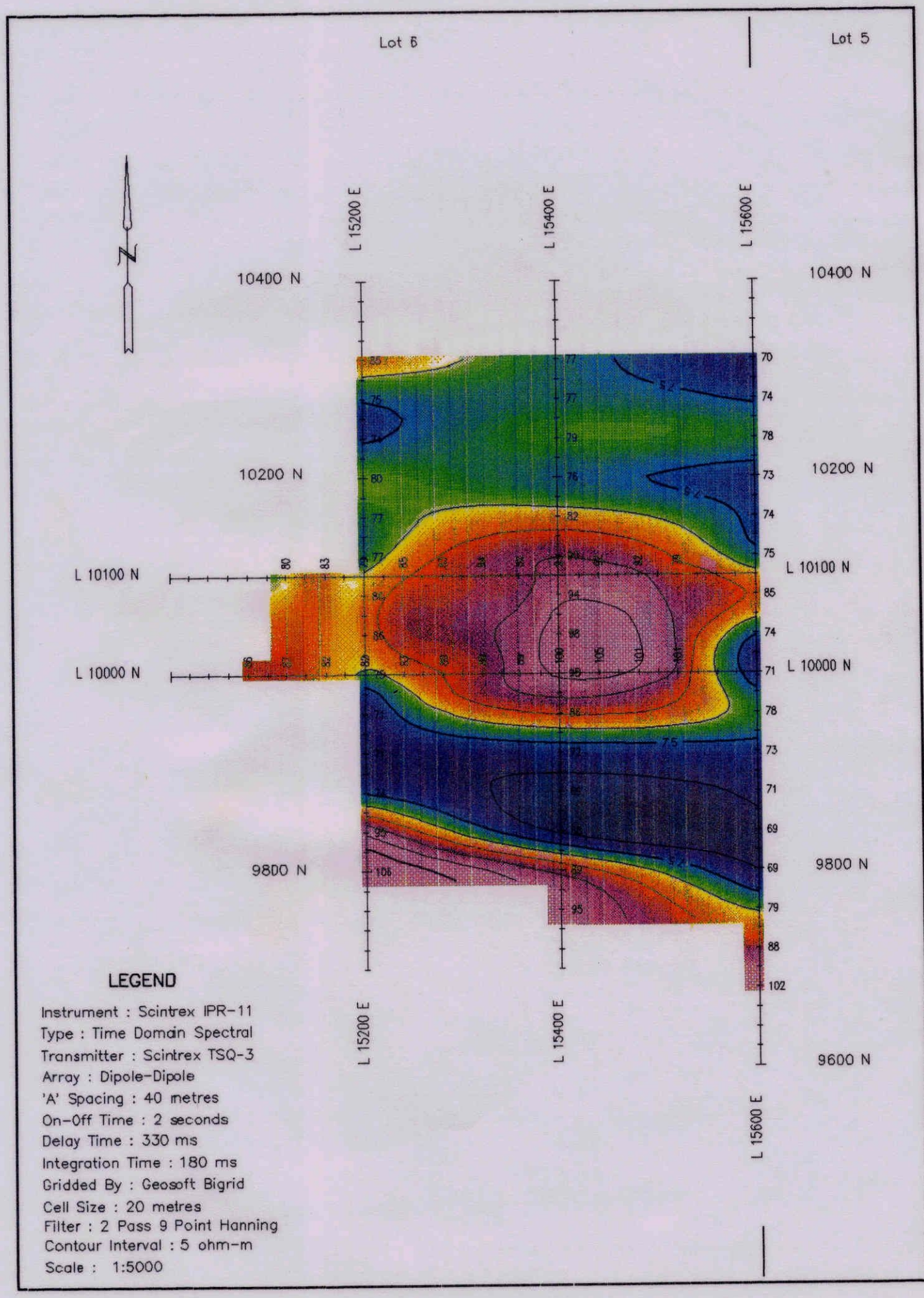


Figure 5 : Colour Image of IP Resistivity, n=2, Grid C

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

W9780.00143

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.		Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims. 2.17	Bank. Value of work to be distributed at a future date. 127
eg	TB 7827	16 ha	$26, 825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8, 892	$ 4,000	0	$4,892
1 ✓	866722	1	$4,030	0	0	$4,030
2 ✓	866723	1	$4,030	0	0	$4,030
3 ✓	1198869	12	$4,030	0	0	$4,030
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
		Column Totals	$12,090	0	0	$12,090

RECEIVED
MAR 6 1997
MINING LANDS BRANCH

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

Signature of Recorded Holder or Agent Authorized in Writing | Date Feb 27/97

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

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

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

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

For Office Use Only

Received Stamp

MAR 3 1997
11:05

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

0241 (02/96)

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use): W9780.00143

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

2.17127

Work Type	Units of Work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
GROUND GEOPHYSICS (DIPOLE-DIPOLE I.P.)	8 days	$1,350/day	$11,556
GEOPHYSICAL REPORT	FIXED COST OF $500	$500	$534
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
		Total Value of Assessment Work	$12,090

RECEIVED
MAR 6 1997
MINING LANDS BRANCH

11:05

Calculations of Filing Discounts:

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

TOTAL VALUE OF ASSESSMENT WORK × 0.50 = Total $ value of worked claimed.

Note:
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, GARY DE SCHUTTER (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as AGENT OF FALCONBRIDGE LTD. (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature: [signature] Date: Feb 27/97

0212 (02/96)

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

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

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

May 8, 1997

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

Submission Number: 2.17127

Dear Sir or Madam:

Subject: Transaction Number(s):		Status
	W9780.00143	Approval

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

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

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

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

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

Yours sincerely,

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

Correspondence ID: 10812
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.17127

Date Correspondence Sent: May 08, 1997 **Assessor:** Bruce Gates

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9780.00143	866722	CURRIE	Approval	May 06, 1997

Section:

14 Geophysical IP

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

Correspondence to:

Mining Recorder
Kirkland Lake, ON

Resident Geologist
Kirkland Lake, ON

Assessment Files Library
Sudbury, ON

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

Gary De Schutter
FALCONBRIDGE LIMITED
Timmins, ONTARIO

Correspondence ID: 10812

Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s). Please contact the Mining Recorder to determine if this affects the status of your claims.

Date: May 08, 1997

Submission Number: 2.17127

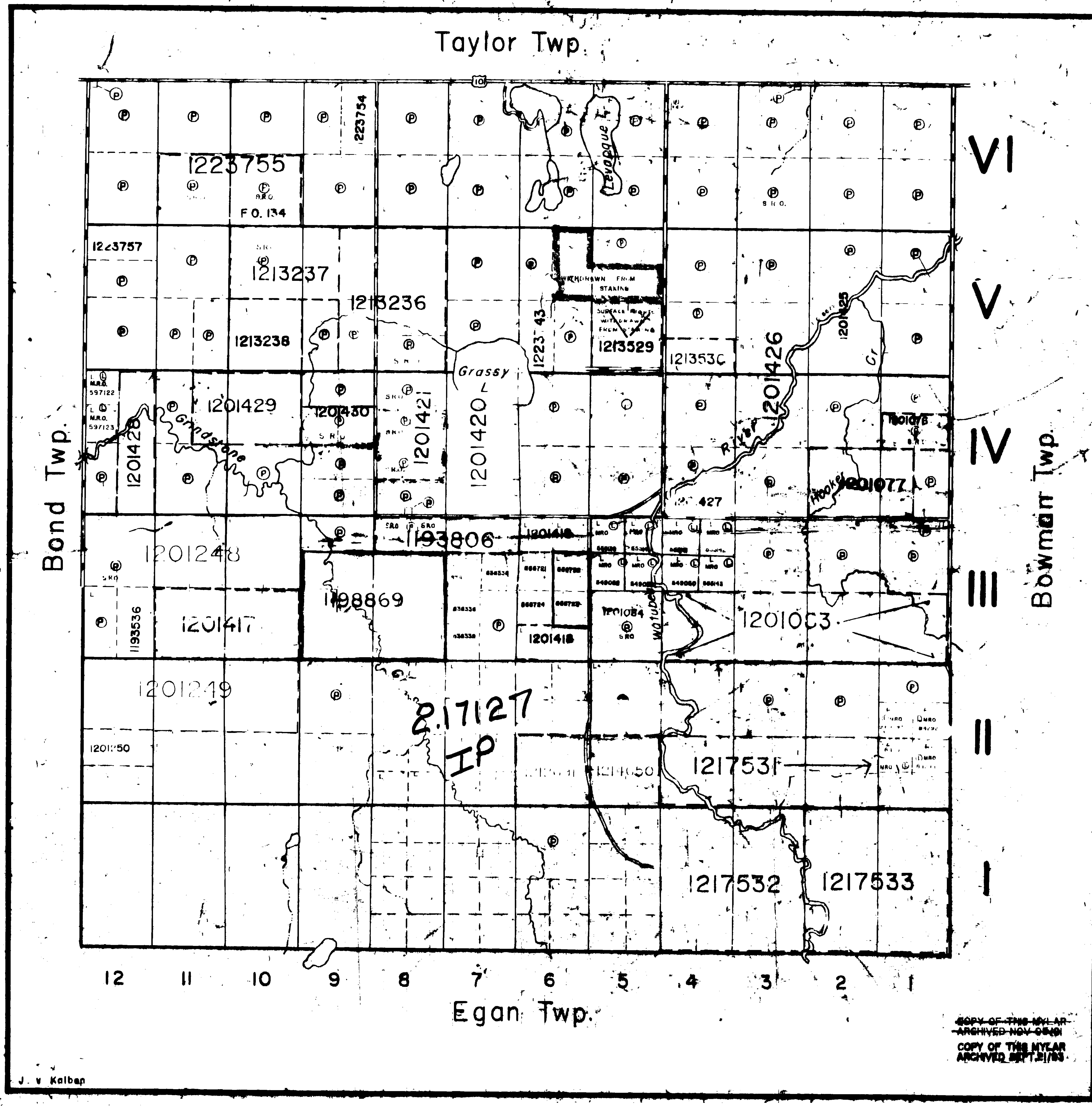
Transaction Number: W9780.00143

Claim Number	Value Of Work Performed
1198869	7,177.00
866722	2,588.00
866723	2,325.00
Total: $	12,090.00

Correspondence ID: 10812

200

2.17127



THE TOWNSHIP OF

CURRIE

DISTRICT OF COCHRANE

LARDER LAKE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

PATENTED FOR S.R.O.
PATENTED LAND
CROWN LAND SALE — S or CS
LEASES — L
LOCATED LAND — Loc
LICENSE OF OCCUPATION — L.O.
MINING RIGHTS ONLY — M.R.O.
SURFACE RIGHTS ONLY — S.R.O.
ROADS
IMPROVED ROADS
KING'S HIGHWAYS
RAILWAYS
POWER LINES
MARSH OR MUSKEG
MINES
EXPLORATORY LICENCE OF OCCUPATION

NOTES

L.O. 8632 Flooding rights to 829 a.s.l. contour.

Filed Only application to record re-stakings of these 2 claims under consideration

AREA MARKED THUS
Files 11593
21312
WITHDRAWN FROM STAKING
UNDER SEC. 39(D) OF MINING ACT

400' Surface rights reservation around all lakes and rivers.

...awn from staking under Section ... Mining Act (R.S.O. 1970)

File | Date | Disposition

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

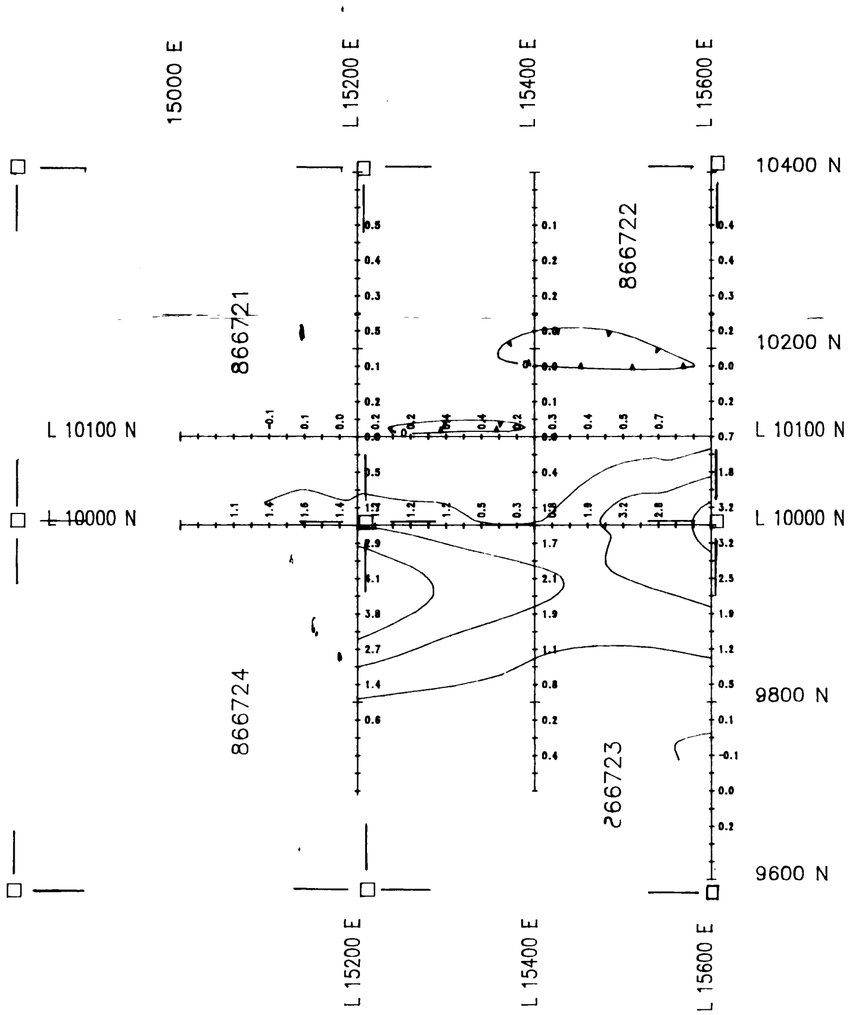
PLAN NO.- M.341 #22

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

Lot 6

Lot 5

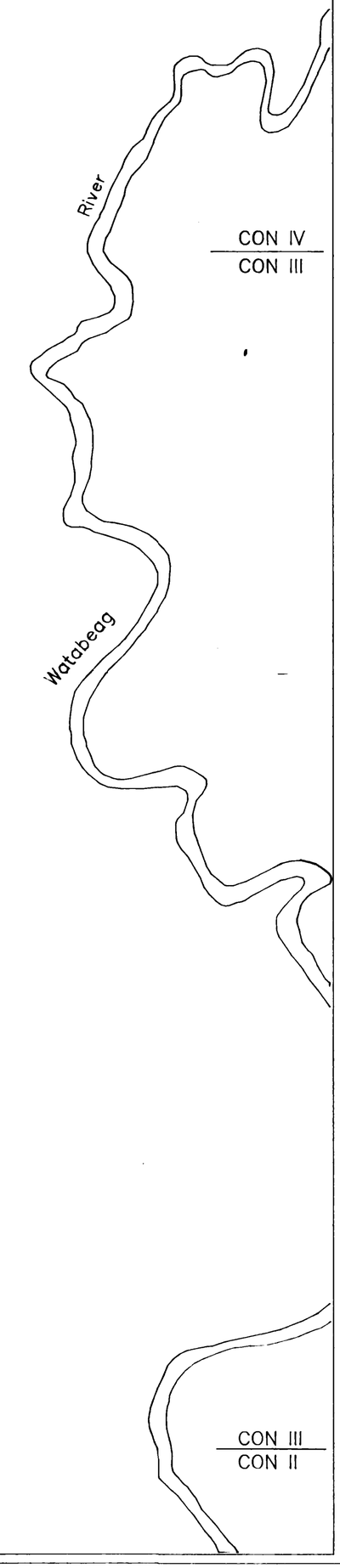
CON IV
CON III



CON III
CON II

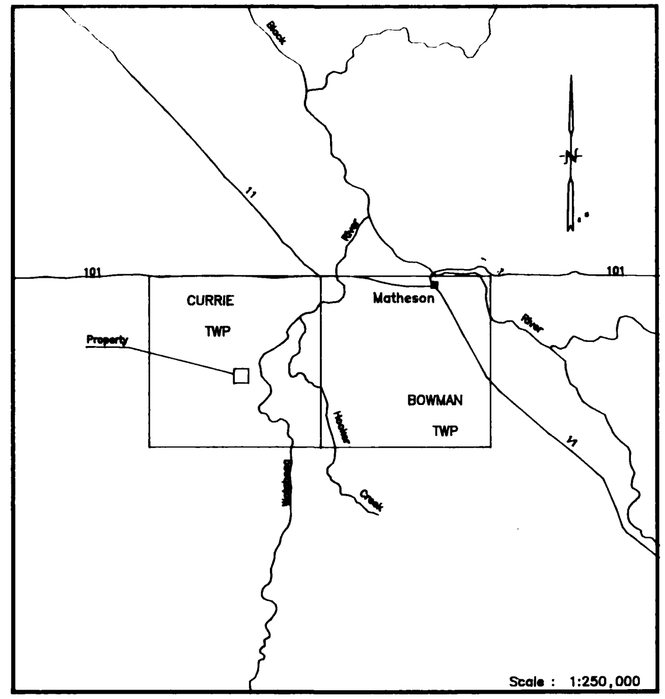
Lot 6

Lot 5

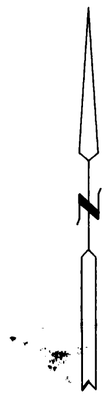


CON IV
CON III

CON III
CON II



INDEX MAP

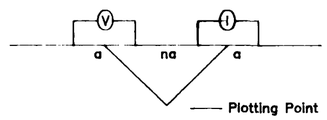


LEGEND

2.17127

Receiver : Scintrex IPR-11
Type : Time Domain Spectral
Transmitter : Scintrex TSQ-3, 3 KW
Array : Gradient
'A' Spacing : 40 metres
On-Off Time : 2 Seconds
Delay Time : 330 ms
Integration Time : 180 ms

Gridded by : Geosoft Bigrid
Cell Size : 40 metres
Filter : 2 Passes 9 Point Hanning
Contour Interval : 1 ms



1/4
1/8 1/8
1/12 1/12 1/12
1/16 1/16 1/16 1/16
Filter

0 100 m 200 m 300 m 400 m 500 m
Scale : 1:5000

FALCONBRIDGE LIMITED

M5 CHARGEABILITY
CURRIE-BOWMAN OPTION
CURRIE TOWNSHIP

NTS : 42 A/7 PROJ # 8262

File : CIP.XYZ Date : August, 1996

WORK BY : Timmins Geophysics Ltd.

Lot 9

Lot 8

CON IV
CON III

Grindstone

L 13000 E
L 13100 E
L 13200 E
L 13300 E
L 13400 E

10400 N

L 10150 N
L 10100 N
L 10050 N

800 N

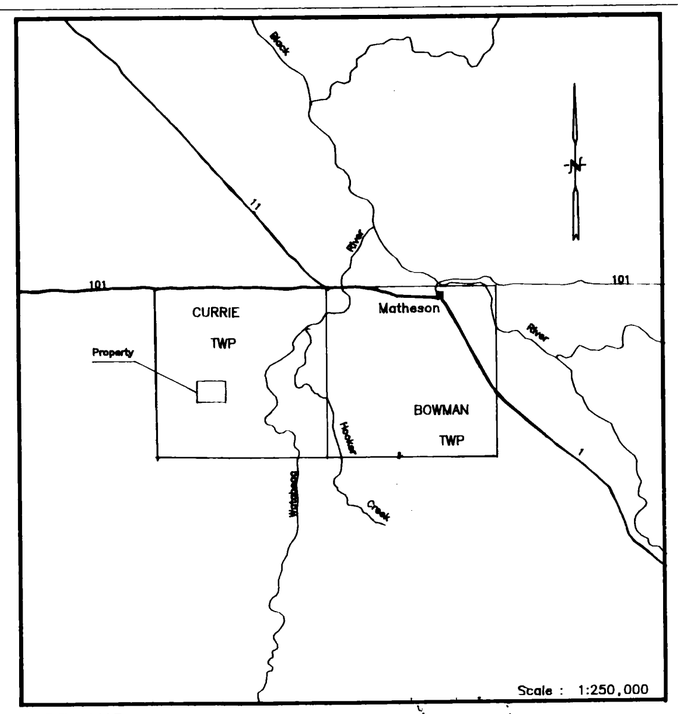
1198869

Creek

CON III
CON II

Lot 9

Lot 8



INDEX MAP

220

LEGEND

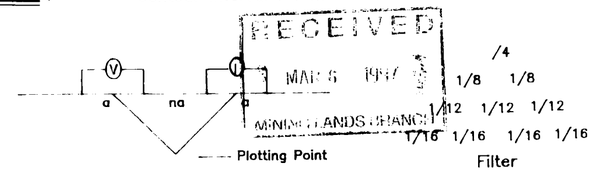
Receiver : Scintrex IPR-11
Type : Time Domain Spectral
Transmitter : Scintrex TSQ-3 [illegible] KW
Array : Dipole-Dipole
'A' Spacing : 40 metres
On-Off Time : 2 Seconds
Delay Time : 330 ms
Integration Time : 180 ms

Gridded by : Geosoft Bigrid
Cell Size : 40 metres
Filter : 2 Passes 9 Point Hanning
Contour Interval : 1 ms

42A07NE0025 2.17127 CURRIE

2.17127

RECEIVED
MAR 6 1997
MINING LANDS BRANCH



0 100 m 200 m 300 m 400 m 500 m

Scale : 1:5000

FALCONBRIDGE LIMITED

M5 CHARGEABILITY

CURRIE-BOWMAN OPTION

CURRIE TOWNSHIP

NTS : 42 A/7 PROJ # 8262

File : CIP.XYZ Date : August, 1996

WORK BY : Timmins Geophysics Ltd.

Lot 9

Lot 8

CON IV
CON III

Grindstone

L 13000 E
L 13100 E
L 13200 E
L 13300 E
L 13400 E

10400 N

L 10150 N
L 10100 N
L 10050 N

800 N

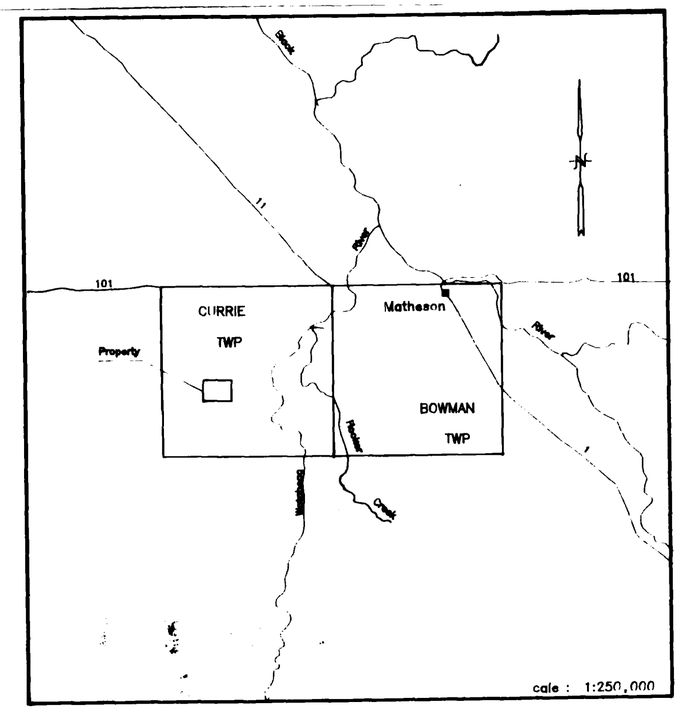
198869

Creek

CON III
CON II

Lot 9

Lot 8



INDEX MAP

230

LEGEND

Receiver : Scintrex IPR-11
Type : Time Domain Spectral
Transmitter : Scintrex TSQ-3, 3 KW
Array : Dipole-Dipole
'a' Spacing : 40 metres
On-Off Time : 2 Seconds
Delay Time : 330 ms
Integration Time : 180 ms

Gridded by : Geosoft Bigrid
Cell Size : 40 metres
Filter : 2 Passes 9 Point Hanning
Contour Interval : 10 ohm-m

42A07NE0025 2.17127 CURRIE

2.17127

1/8 1/8
1/12 1/12 1/12
1/16 1/16 1/16 1/16
Filter

Plotting Point

0 100 m 200 m 300 m 400 m 500 m
Scale : 1:5000

FALCONBRIDGE LIMITED

IP RESISTIVITY

CURRIE-BOWMAN OPTION

CURRIE TOWNSHIP

NTS : 42 A/7

PROJ # 8262

File : CIP.XYZ

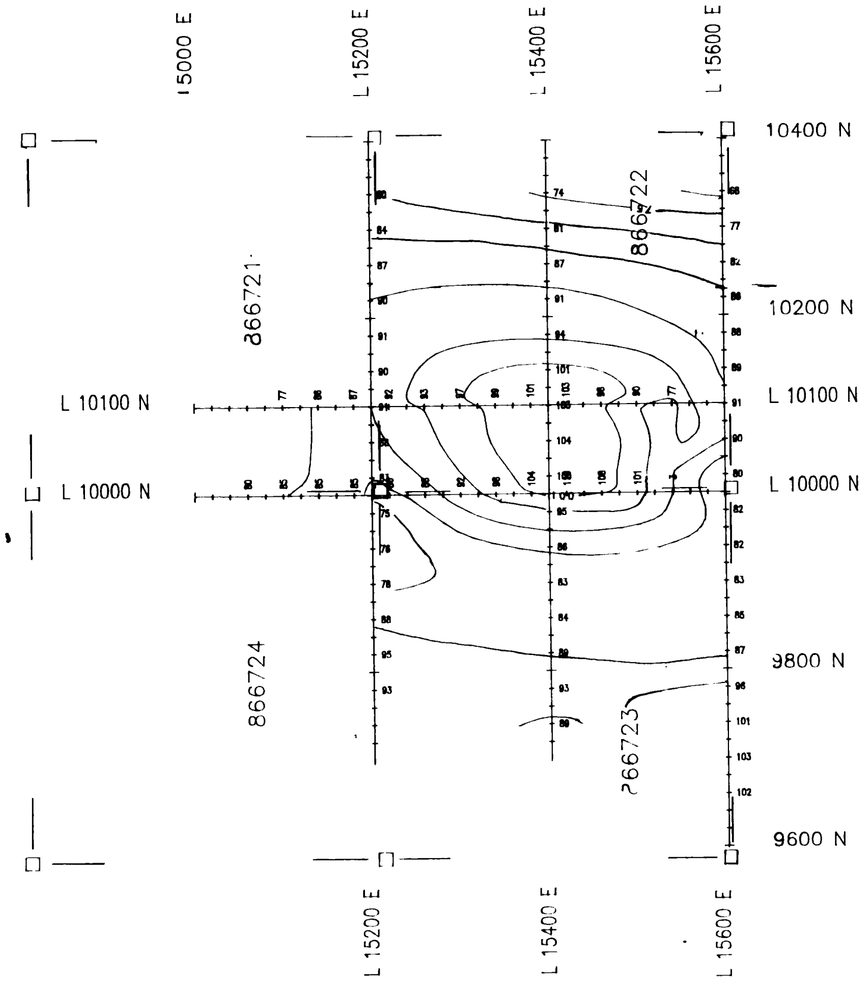
Date : August, 1996

WORK BY : Timmins Geophysics Ltd.

Lot 6

Lot 5

CON IV
CON III



CON IV
CON III

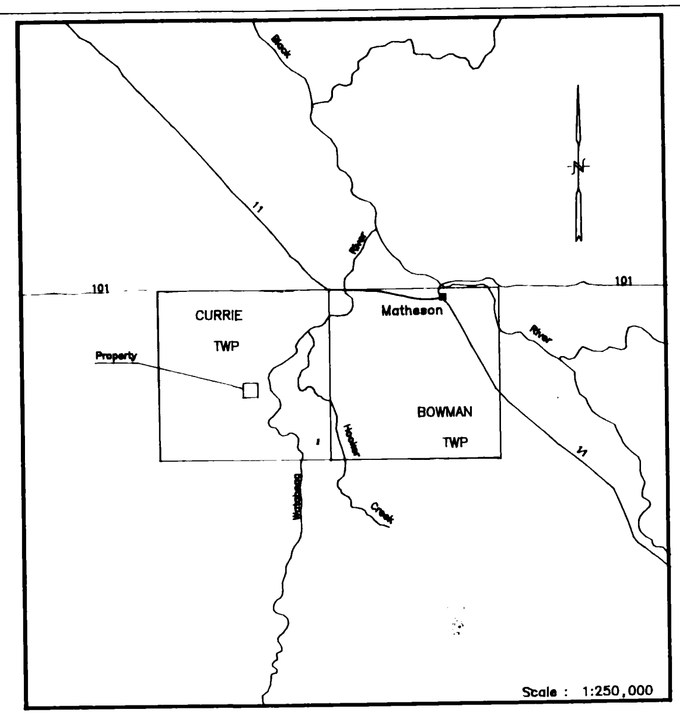
River

Watabeag

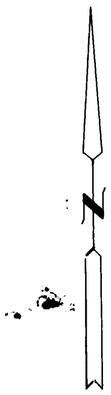
CON III
CON II

Lot 6

Lot 5



INDEX MAP



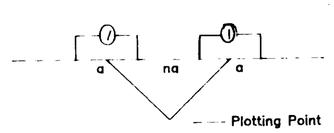
240

LEGEND **2.17127**

Receiver : Scintrex IPR-11
Type : Time Domain Spectral
Transmitter : Scintrex TSQ-3, 3 KW
Array : Gradient
'A' Spacing : 40 metres
On-Off Time : 2 Seconds
Delay Time : 330 ms
Integration Time : 180 ms

Gridded by : Geosoft Bigrid
Cell Size : 40 metres
Filter : 2 Passes 9 Point Hanning
Contour Interval : 5 ohm-m

42A07NE0025 2.17127 CURRIE



1/4
1/8 1/8
1/12 1/12 1/12
1/16 1/16 1/16 1/16
Filter

0 100 m 200 m 300 m 400 m 500 m

Scale : 1:5000

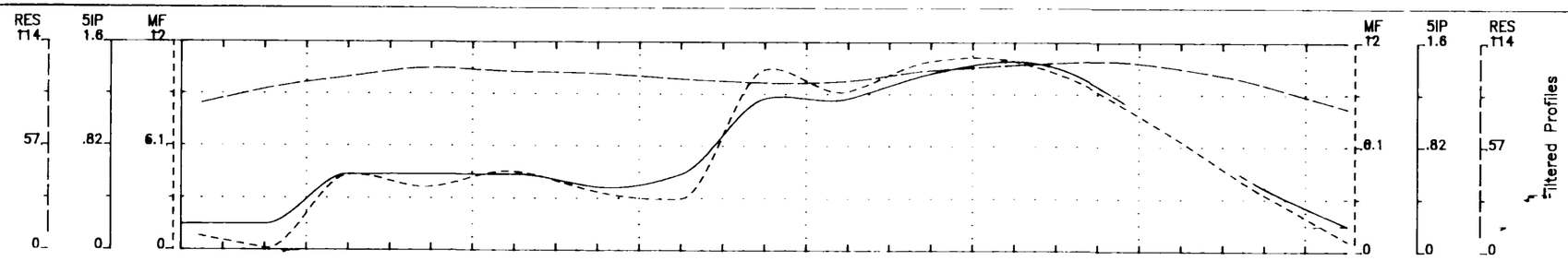
FALCONBRIDGE LIMITED

IP RESISTIVITY
CURRIE-BOWMAN OPTION
CURRIE TOWNSHIP

NTS : 42 A/7 PROJ # 8262

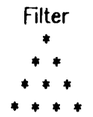
File : CIP.XYZ Date : August, 1996

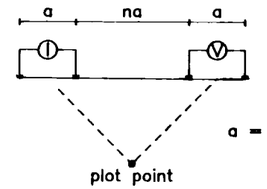
WORK BY : Timmins Geophysics Ltd.



Line 10100 N

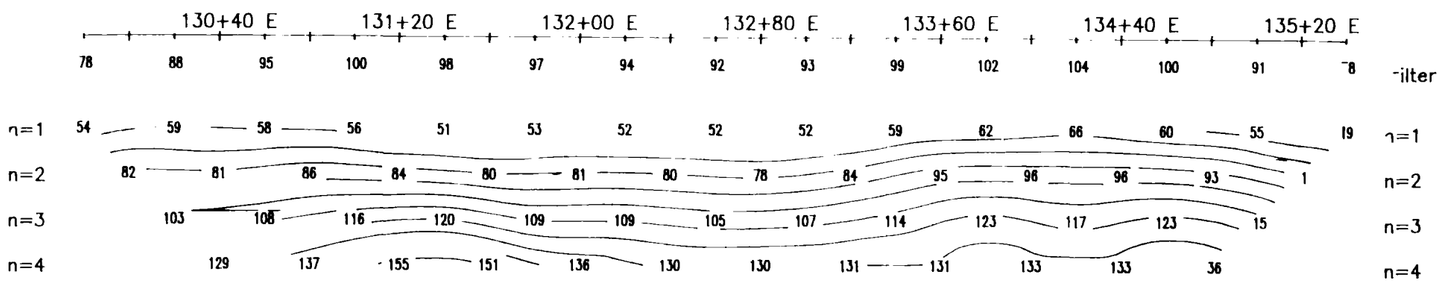
Dipole–Dipole Array





Reciever: Scintrex IPR–11
Type: Spectral Time Domain
Transmitter: Scintrex TSQ–3, 3kW
Delay Time: 330 ms
Integration Time: 180 ms

2.17127

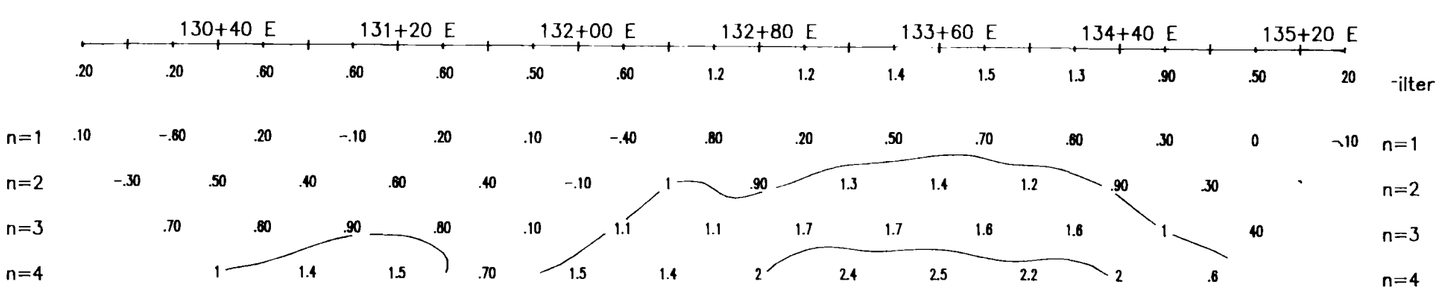


RESISTIVITY
(ohm–m)

CONTOUR INTERVALS

Resistivity: 10 ohm–m
Chargeability: 1 ms
Metal Factor: log

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



CHARGEABILITY
(ms)

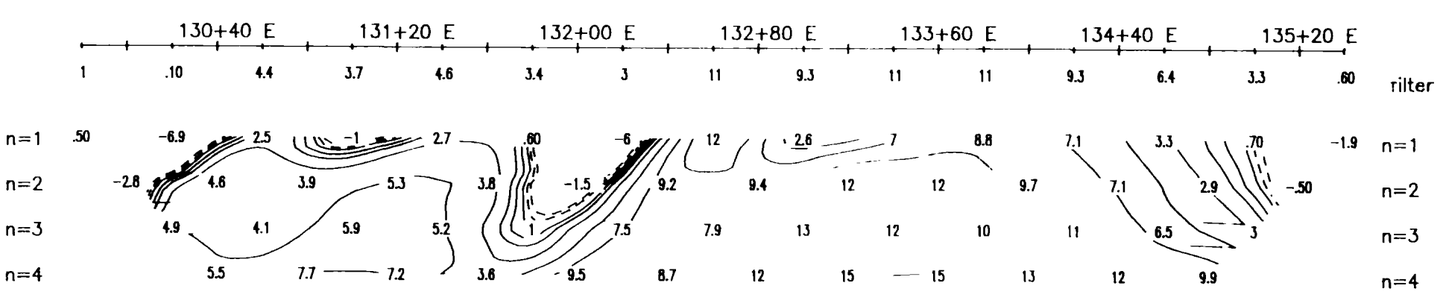
250

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ☑ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▽ Low resistivity feature.

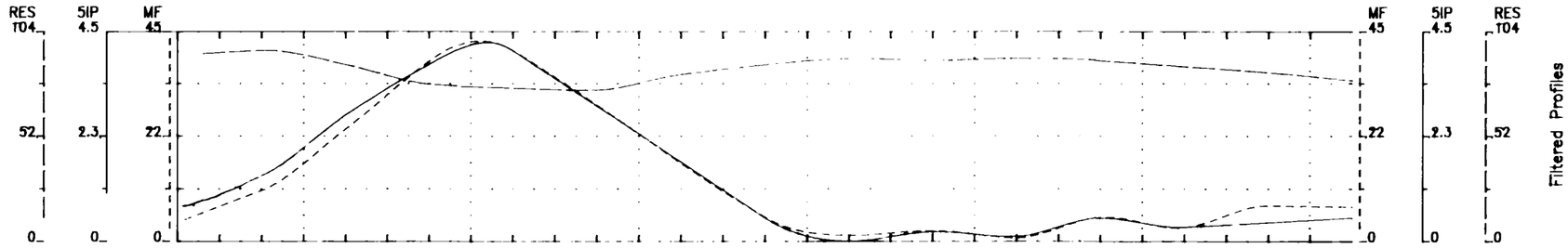
Scale 1:2500

25 0 25 50 75 100 125 150
(meters)

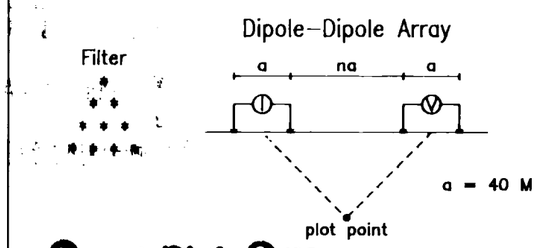


METAL FACTOR
(ip/res * 100)

FALCONBRIDEGE LIMITED
INDUCED POLARIZATION SURVEY CURRIE–BOWMAN OPTION CURRIE TOWNSHIP
Date: 08/96 Interpretation: D. Londry
Timmins Geophysics Ltd.



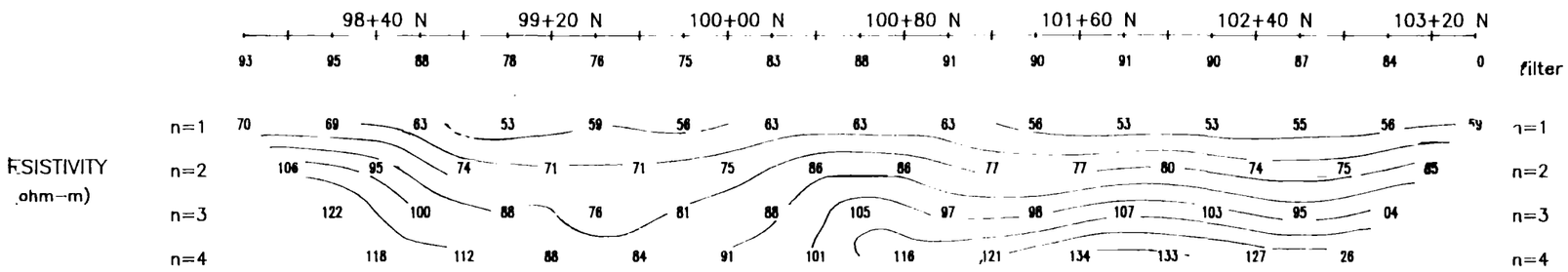
Line 15200 E

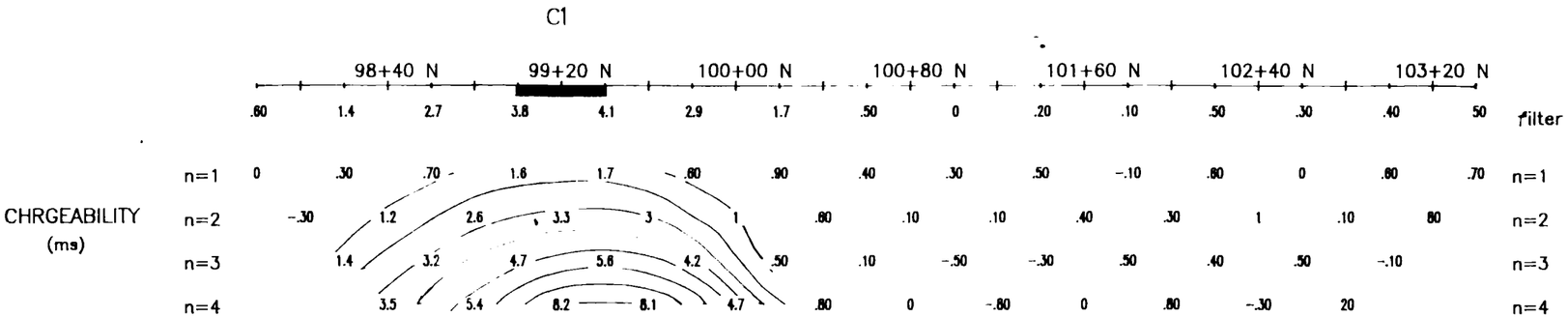


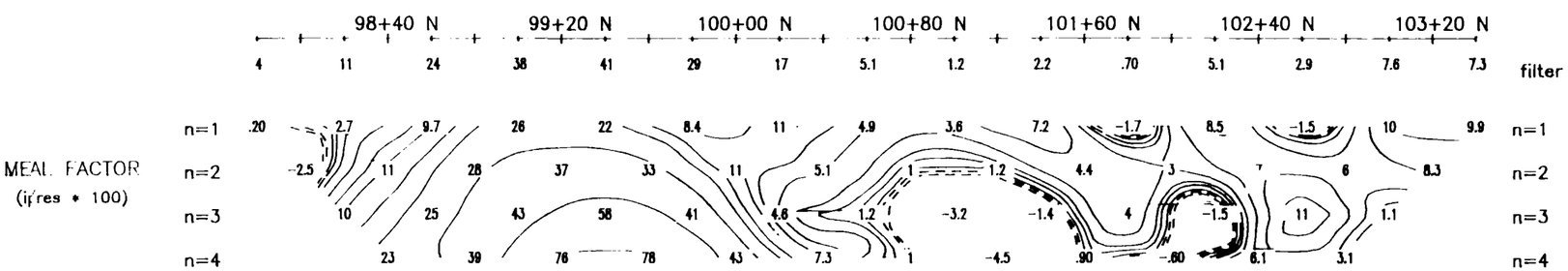
2.17127

260

Reciever: Scintrex IPR–11
Type: Spectral Time Domain
Transmitter: Scintrex TSQ–3, 3kW
Delay Time: 330 ms
Integration Time: 180 ms







CONTOUR INTERVALS

Resistivity: 10 ohm–m
Chargeability: 1 ms
Metal Factor: log

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

42A7NE0025 2.1712 CURRIE

NTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ▨ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▽ Low resistivity feature.

Scale 1:2500

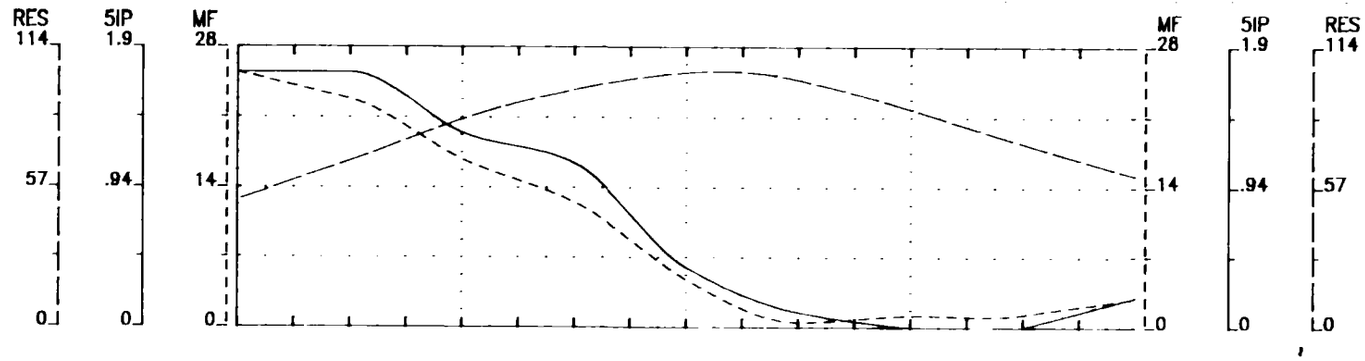
25 0 25 50 75 100 125 150
(meters)

FALCONBRIDEGE LIMITED

INDUCED POLARIZATION SURVEY
CURRIE–BOWMAN OPTION
CURRIE TOWNSHIP

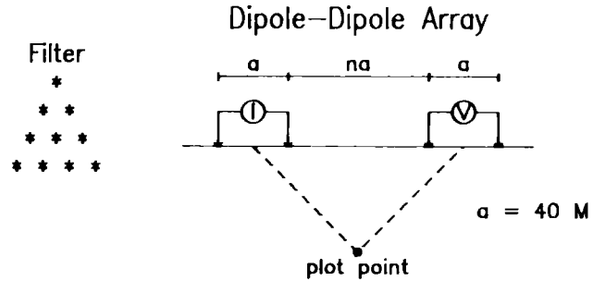
Date: 08/96
Interpretation: D. Londry

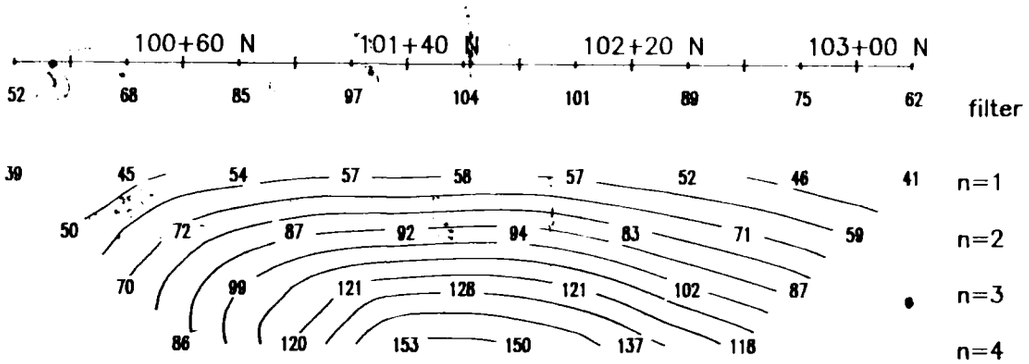
Timmins Geophysics Ltd.

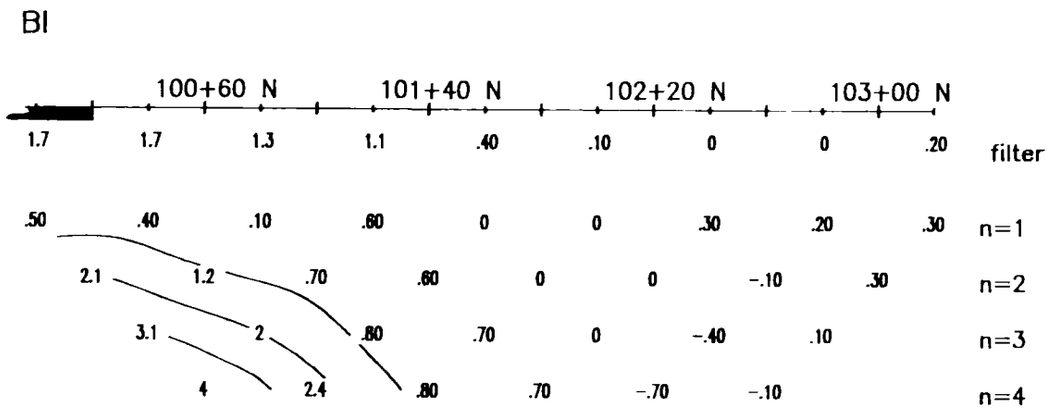


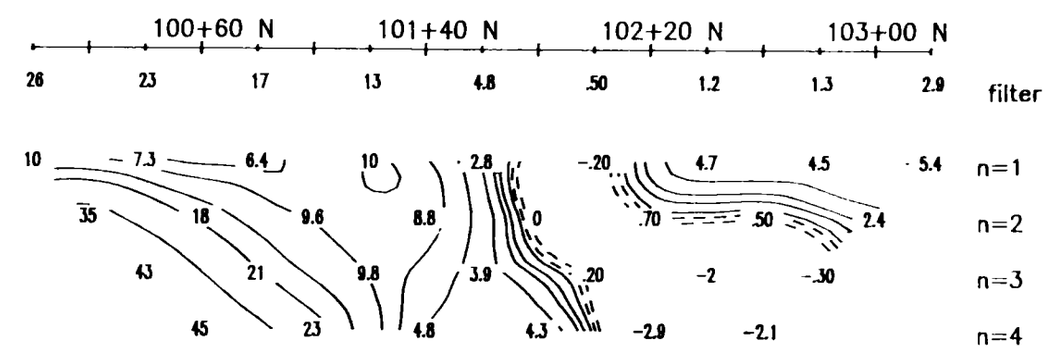
Filtered Profiles

Line 13300 E









Receiver: Scintrex IPR-11
Type: Spectral Time Domain
Transmitter: Scintrex TSQ-3, 3kW
Delay Time: 330 ms
Integration Time: 180 ms

RESISTIVITY
(ohm-m)

CONTOUR INTERVALS
Resistivity: 10 ohm-m
Chargeability: 1 ms
Metal Factor: log
Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

CHARGEABILITY
(ms)

270

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- Low resistivity feature.

Scale 1:2500

25 0 25 50 75 100 125 150
(meters)

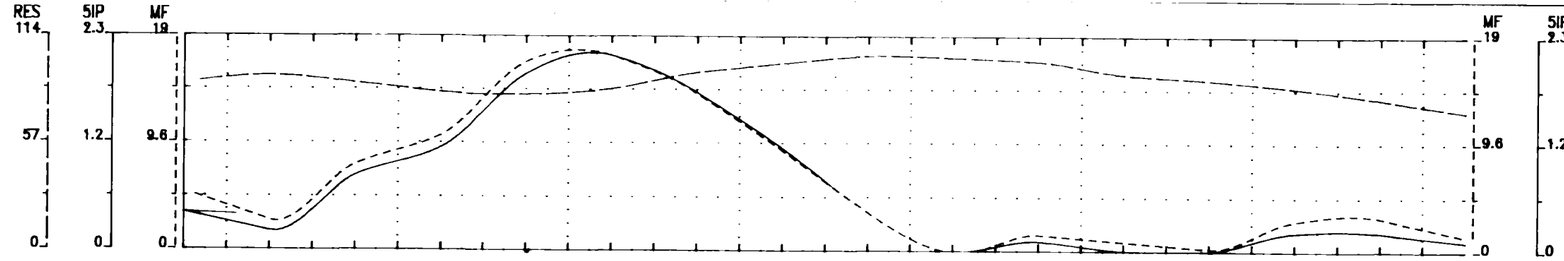
METAL FACTOR
(ip/res * 100)

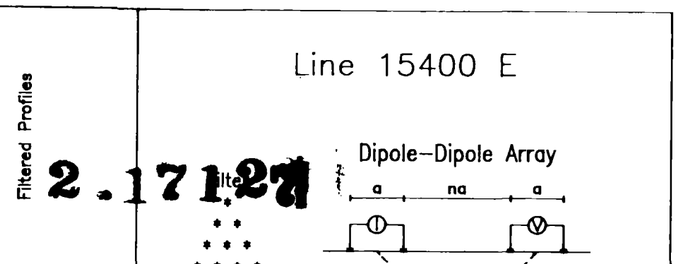
FALCONBRIDEGE LIMITED

INDUCED POLARIZATION SURVEY
CURRIE–BOWMAN OPTION
CURRIE TOWNSHIP

Date: 08/96
Interpretation: D. Londry

Timmins Geophysics Ltd.

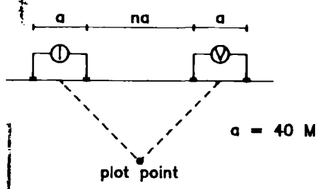


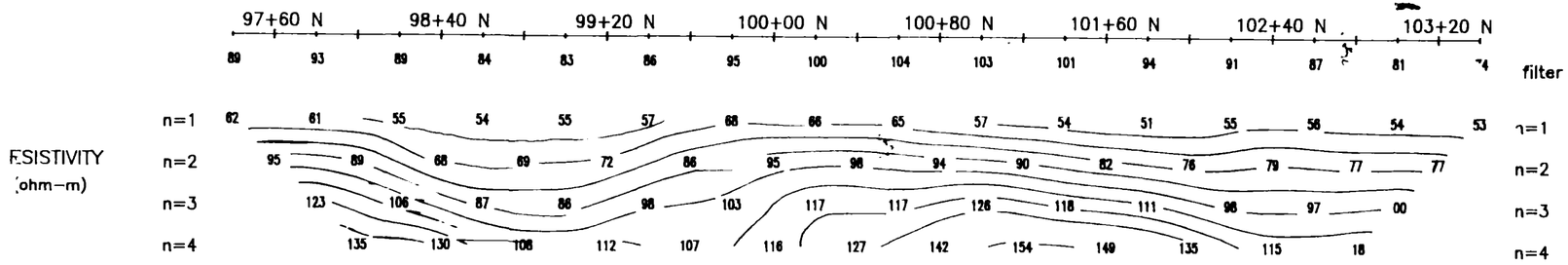


Line 15400 E

2.17127

Dipole–Dipole Array





Receiver: Scintrex IPR-11
Type: Spectral Time Domain
Transmitter: Scintrex TSQ-3, 3kW
Delay Time: 330 ms
Integration Time: 180 ms

RESISTIVITY
(ohm-m)

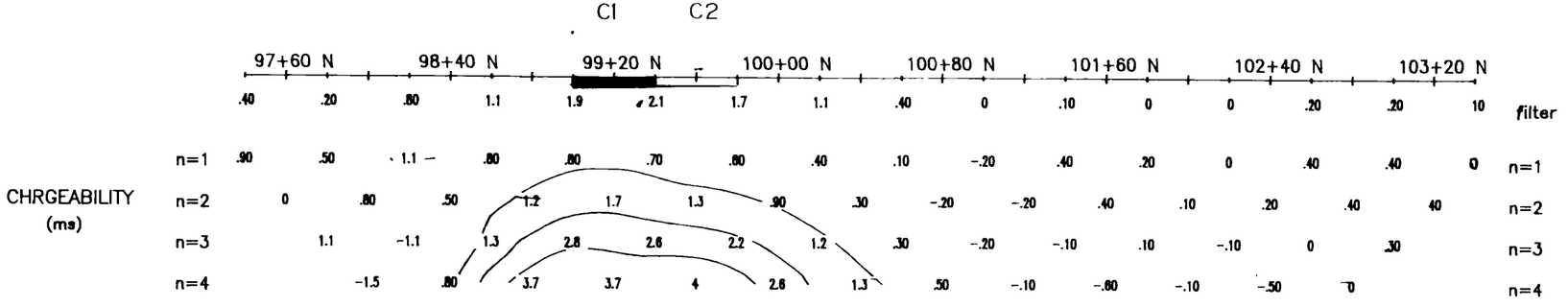
280

CONTOUR INTERVALS

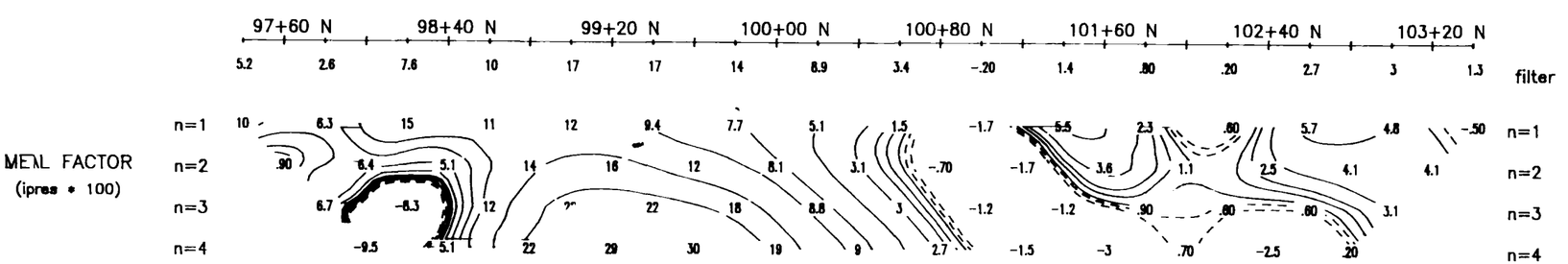
Resistivity: 10 ohm-m
Chargeability: 1 ms
Metal Factor: log

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

C1 C2



CHARGEABILITY
(ms)



METAL FACTOR
(ip/res * 100)

42A07NE0025 2.17127 CURRIE

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ▨ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▽ Low resistivity feature.

Scale 1:2500

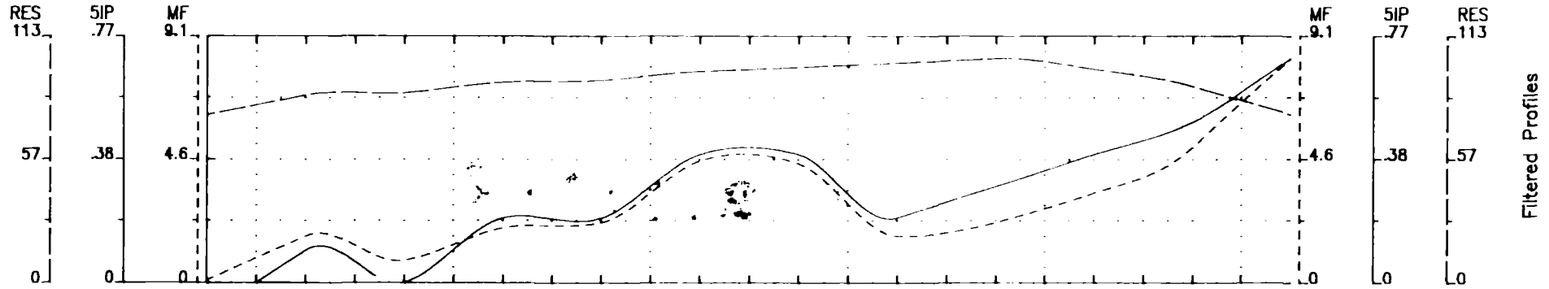
25 0 25 50 75 100 125 150
(meters)

FALCONBRIDEGE LIMITED

INDUCED POLARIZATION SURVEY
CURRIE–BOWMAN OPTION
CURRIE TOWNSHIP

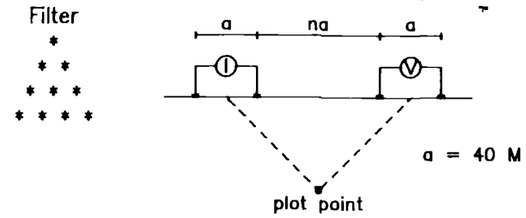
Date: 08/96
Interpretation: D. Londry

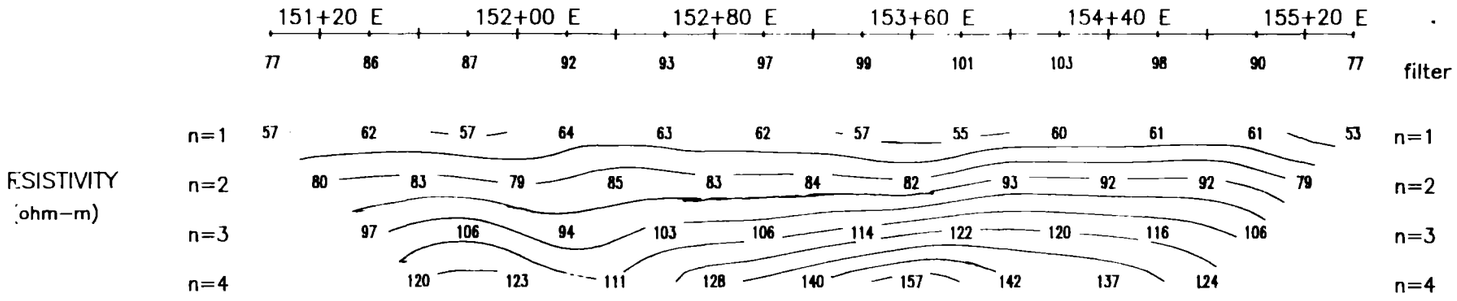
Timmins Geophysics Ltd.

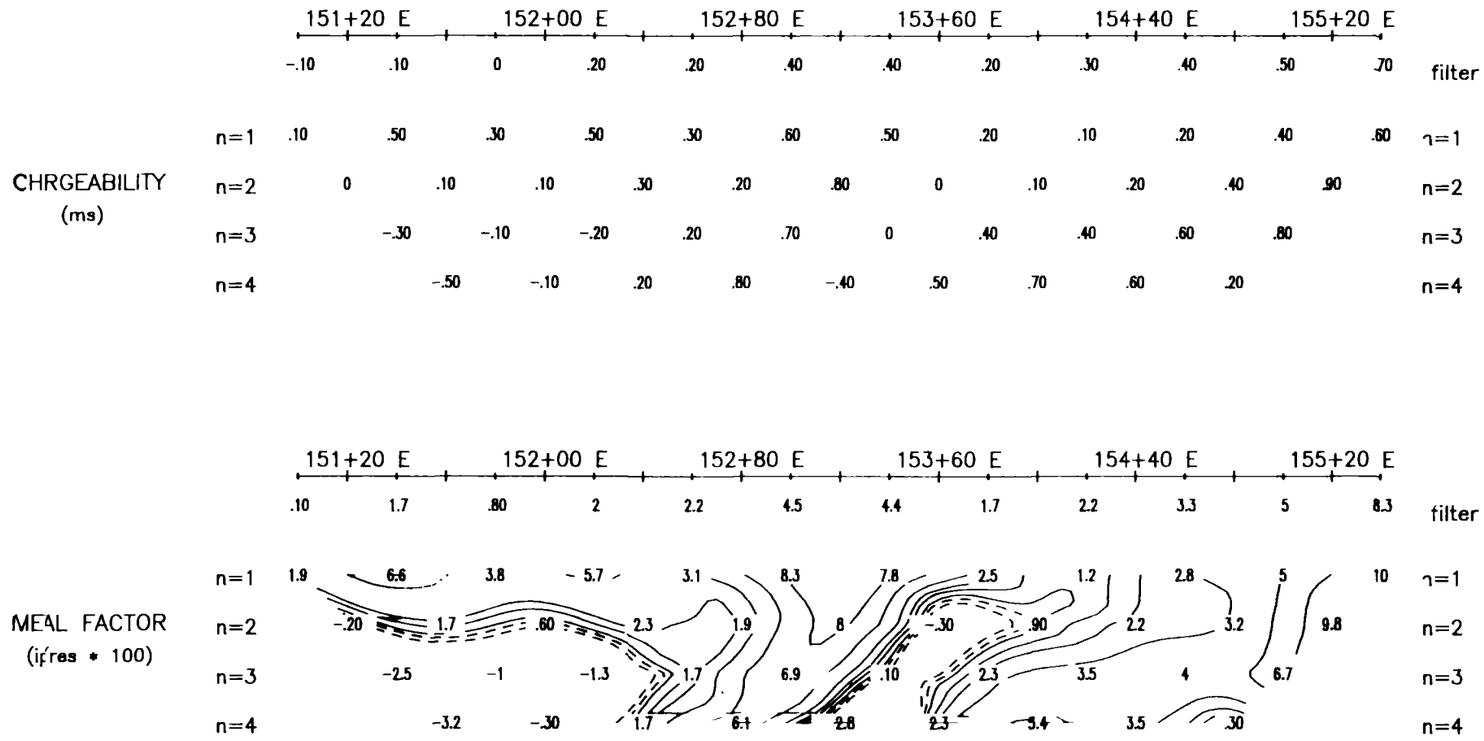


Line 10100 N

Dipole–Dipole Array







Reciever: Scintrex IPR-11
Type: Spectral Time Domain
Transmitter: Scintrex TSQ-3, 3kW
Delay Time: 330 ms
Integration Time: 180 ms

RESISTIVITY
(ohm-m)

CONTOUR INTERVALS

Resistivity: 10 ohm-m
Chargeability: 1 ms
Metal Factor: log

CHARGEABILIT
(ms)

METAL FACTOR
(ip/res * 100)

290

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

NTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- Low resistivity feature.

cale 1:2500

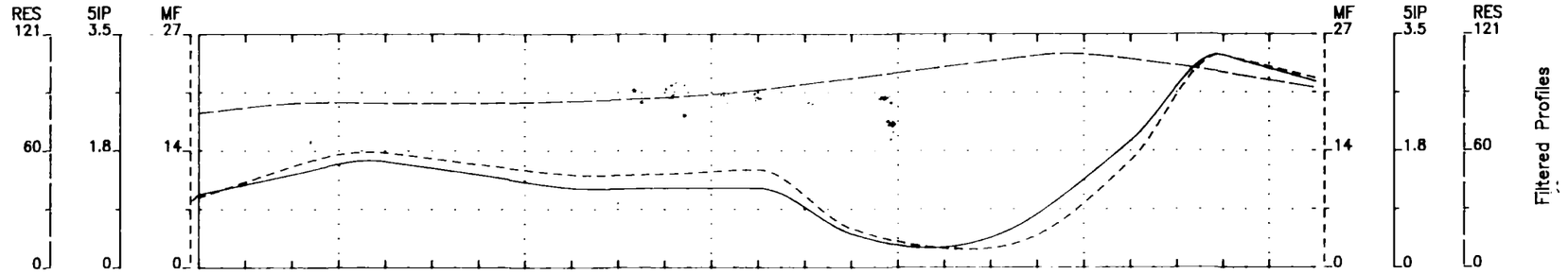
25 0 25 50 75 100 125 150
(meters)

FALCONBRIDEGE LIMITED

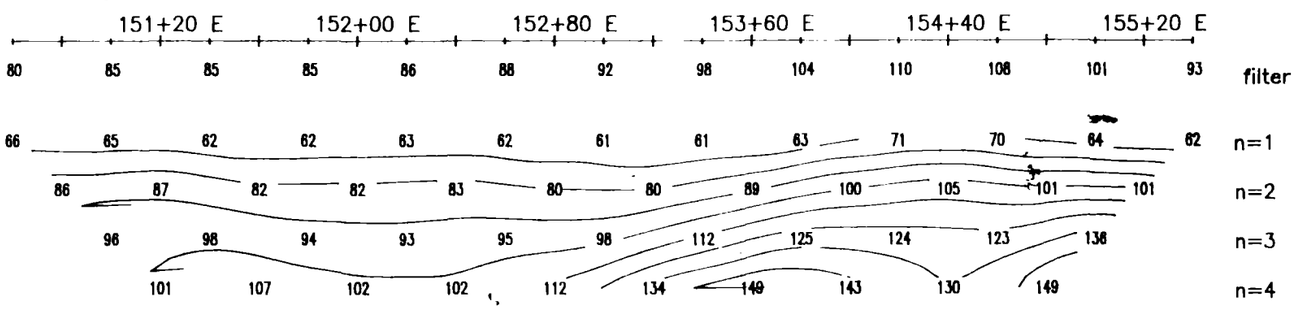
NDUCED POLARIZATION SURVEY
CURRIE–BOWMAN OPTION
CURRIE TOWNSHIP

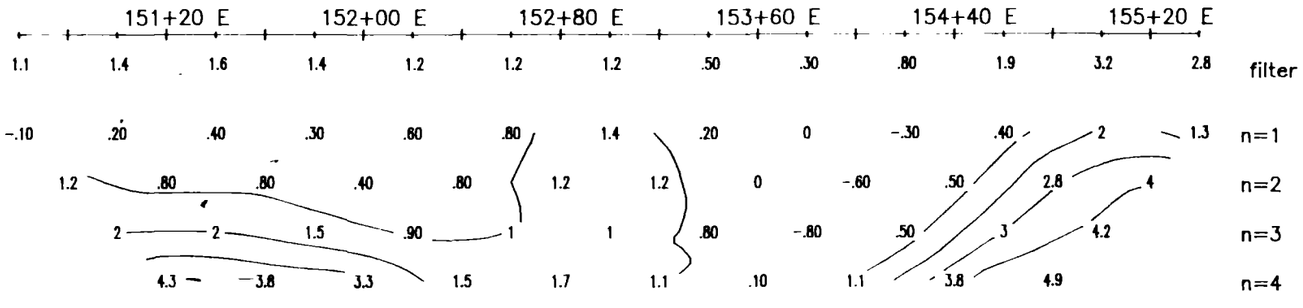
Date: 08/96
Interpretation: D. Londry

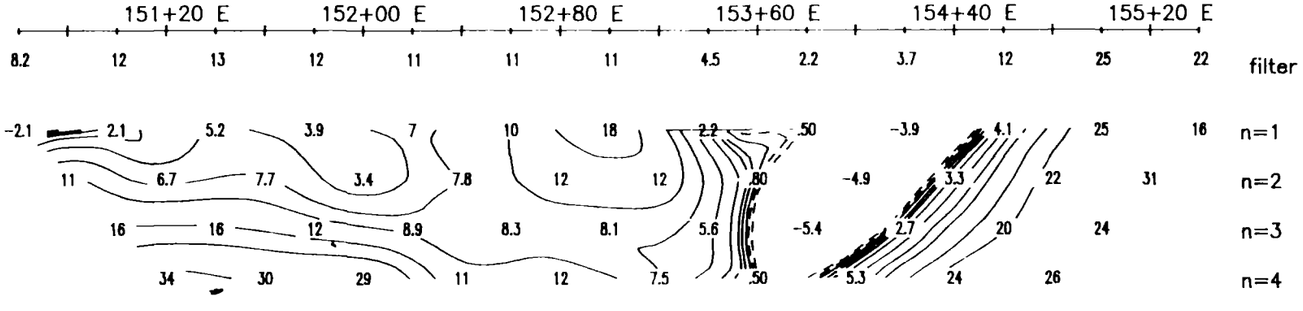
Timmins Geophysics Ltd.



Filtered Profiles

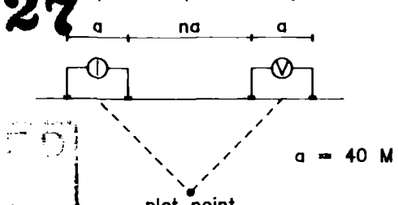






Line 10000 N

Dipole-Dipole Array



2.17127

Filter

Reciever: Scintrex IPR-11
Type: Spectral Time Domain
Transmitter: Scintrex TSQ-3, 3kW
Delay Time: 330 ms
Integration Time: 180 ms

RESISTIVITY
(ohm-m)

CHARGEABILITY
(ms)

METAL FACTOR
(ip/res * 100)

300

CONTOUR INTERVALS

Resistivity: 10 ohm-m
Chargeability: 1 ms
Metal Factor: log

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

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ▨ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▽ Low resistivity feature.

Scale 1:2500

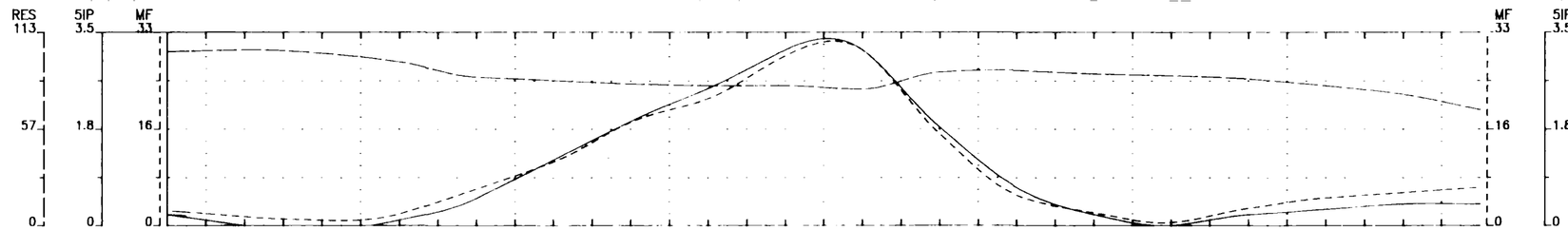
25 0 25 50 75 100 125 150
(meters)

FALCONBRIDEGE LIMITED

INDUCED POLARIZATION SURVEY
CURRIE-BOWMAN OPTION
CURRIE TOWNSHIP

Date: 08/96
Interpretation: D. Londry

Timmins Geophysics Ltd.

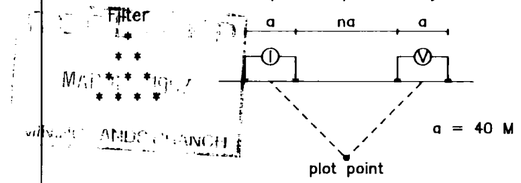


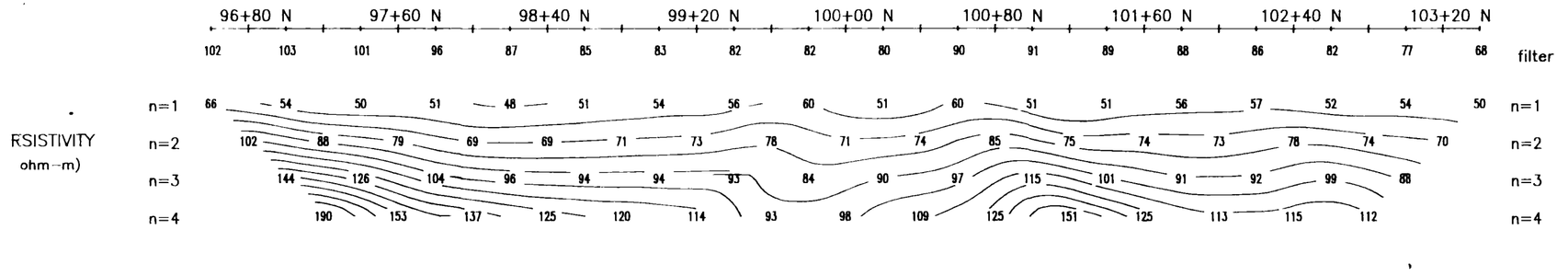
Filtered Profiles

2.17127

Line 15600 E

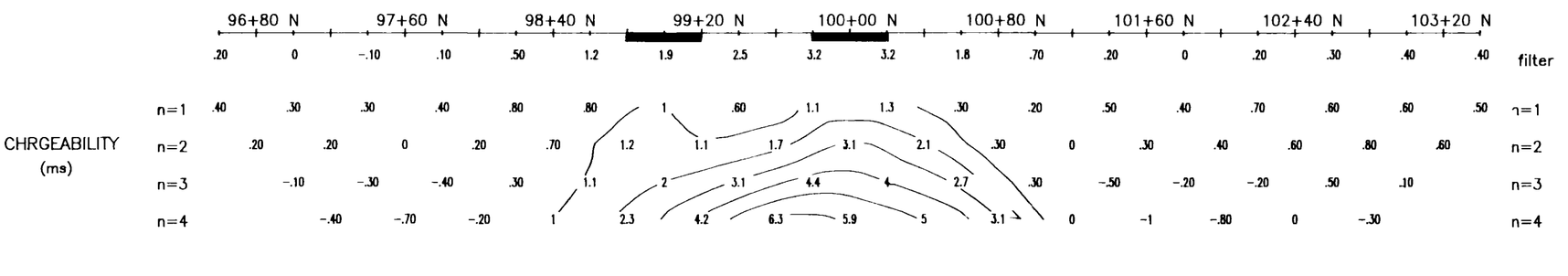
Dipole–Dipole Array





RESISTIVITY (ohm–m)

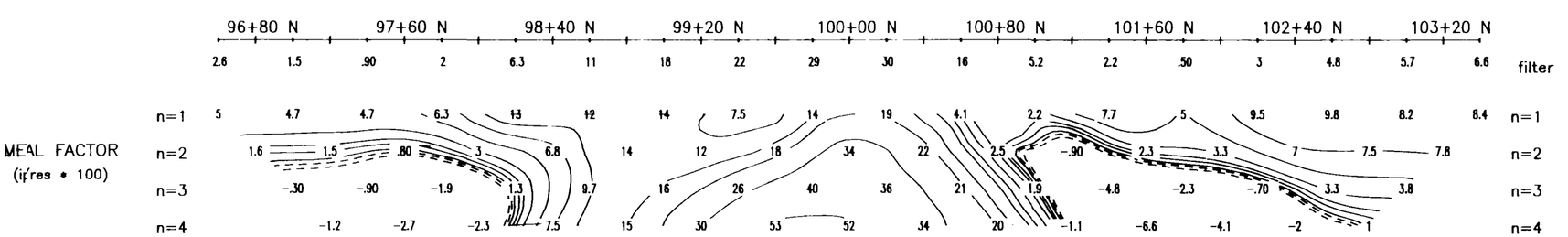
Reciever: Scintrex IPR–11
Type: Spectral Time Domain
Transmitter: Scintrex TSQ–3, 3kW
Delay Time: 330 ms
Integration Time: 180 ms



CHARGEABILITY (ms)

CONTOUR INTERVALS

Resistivity: 10 ohm–m
Chargeability: 1 ms
Metal Factor: log



METAL FACTOR (ip/res * 100)

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

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ☑ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▽ Low resistivity feature.

Scale 1:2500

25 0 25 50 75 100 125 150 (meters)

FALCONBRIDEGE LIMITED

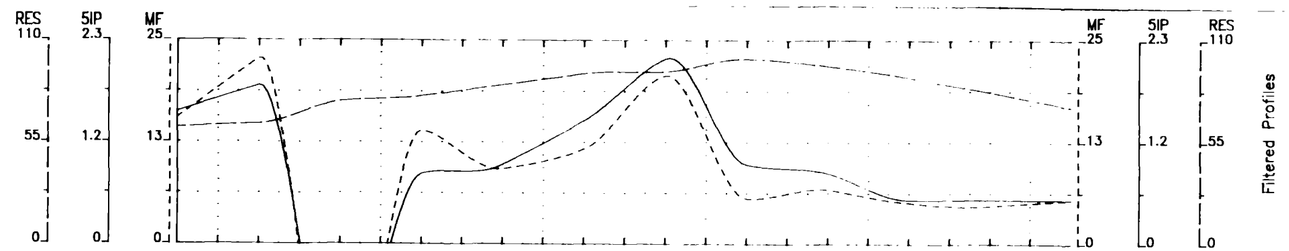
INDUCED POLARIZATION SURVEY
CURRIE–BOWMAN OPTION
CURRIE TOWNSHIP

Date: 08/96
Interpretation: D. Londry

Timmins Geophysics Ltd.

42A07NE0025 2.17127 CURRIE

310

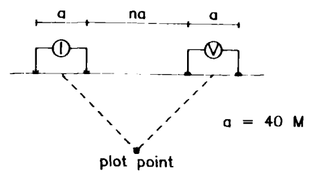


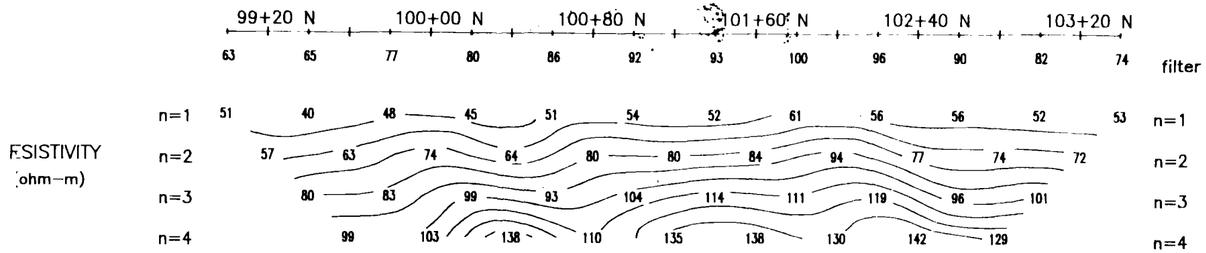
Filtered Profiles

Line 13200 E

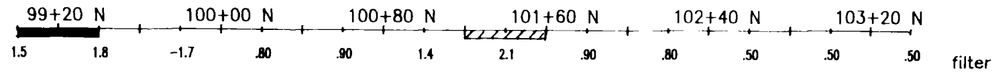
Filter

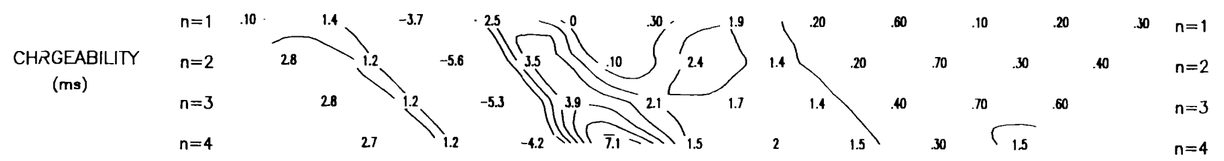
Dipole–Dipole Array

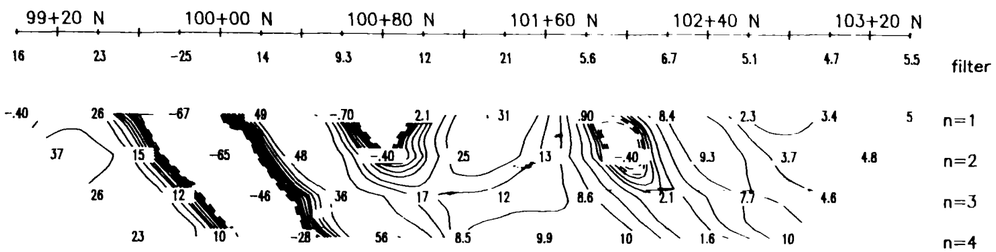




B1 B2







RESISTIVITY
(ohm-m)

Reciever: Scintrex IPR-11
Type: Spectral Time Domain
Transmitter: Scintrex TSQ-3, 3kW
Delay Time: 330 ms
Integration Time: 180 ms

CONTOUR INTERVALS

Resistivity: 10 ohm-m
Chargeability: 1 ms
Metal Factor: log

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

320

CHARGEABILITY
(ms)

42A07NE0025 2.17127 CURRIE

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- Low resistivity feature.

Scale 1:2500

25 0 25 50 75 100 125 150
(meters)

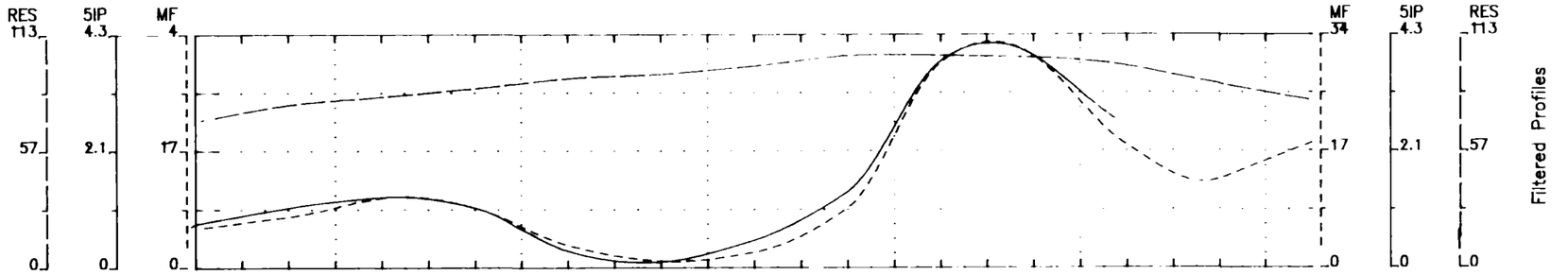
METAL FACTOR
(ip/res * 100)

FALCONBRIDEGE LIMITED

INDUCED POLARIZATION SURVEY
CURRIE–BOWMAN OPTION
CURRIE TOWNSHIP

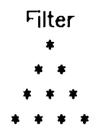
Date: 08/96
Interpretation: D. Londry

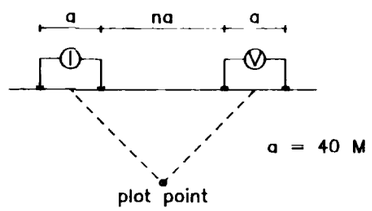
Timmins Geophysics Ltd.

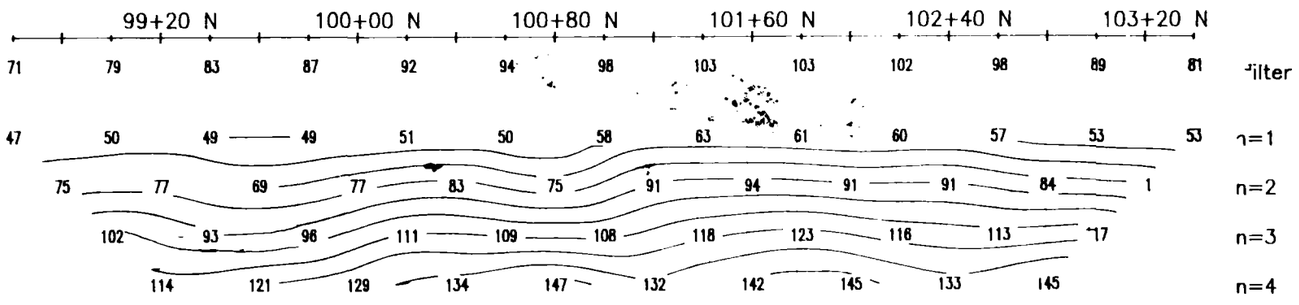


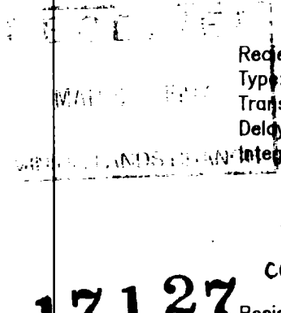
Line 13000 E

Dipole–Dipole Array







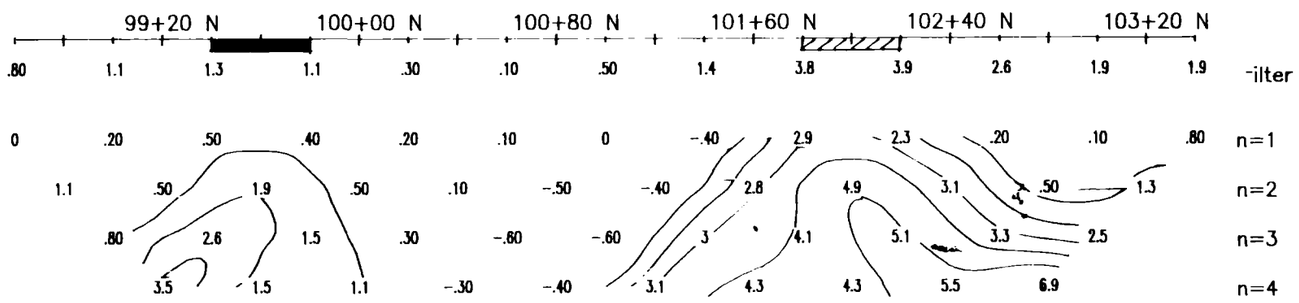


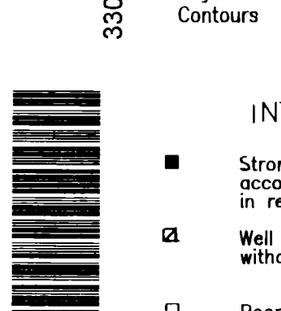
Receiver: Scintrex IPR-11
Type: Spectral Time Domain
Transmitter: Scintrex TSQ-3, 3kW
Delay Time: 330 ms
Integration Time: 180 ms

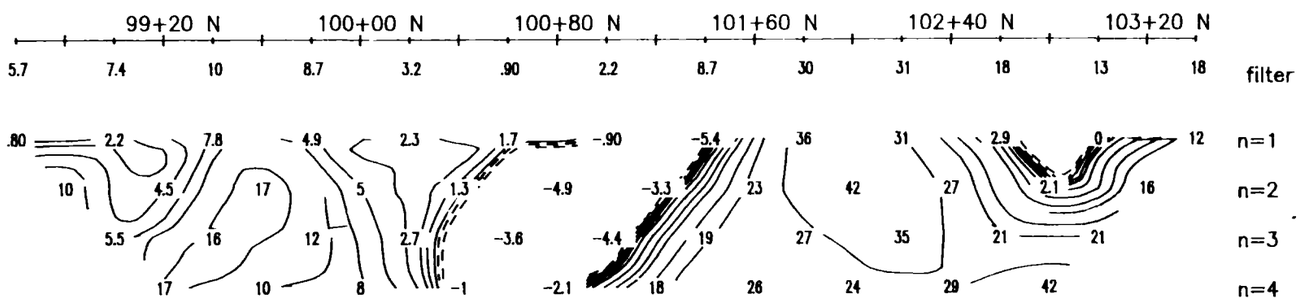
2.17127

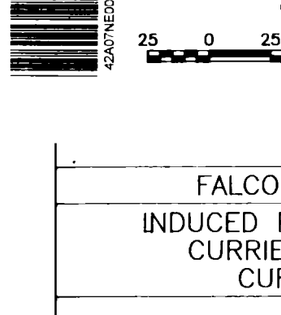
CONTOUR INTERVALS
Resistivity: 10 ohm-m
Chargeability: 1 ms
Metal Factor: log

B1 B2









330

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

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ⧄ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▽ Low resistivity feature.

Scale 1:2500

25 0 25 50 75 100 125 150
(meters)

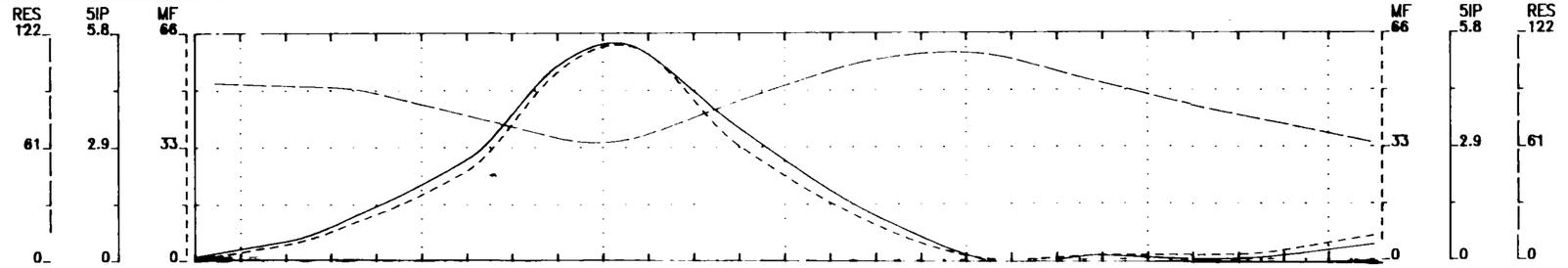
42A07NE0025 2.17127 CURRIE

FALCONBRIDEGE LIMITED

INDUCED POLARIZATION SURVEY
CURRIE–BOWMAN OPTION
CURRIE TOWNSHIP

Date: 08/96
Interpretation: D. Londry

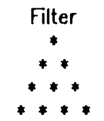
Timmins Geophysics Ltd.

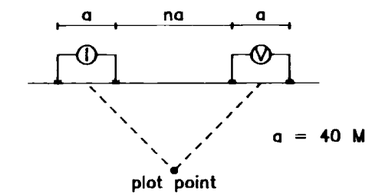


Filtered Profiles

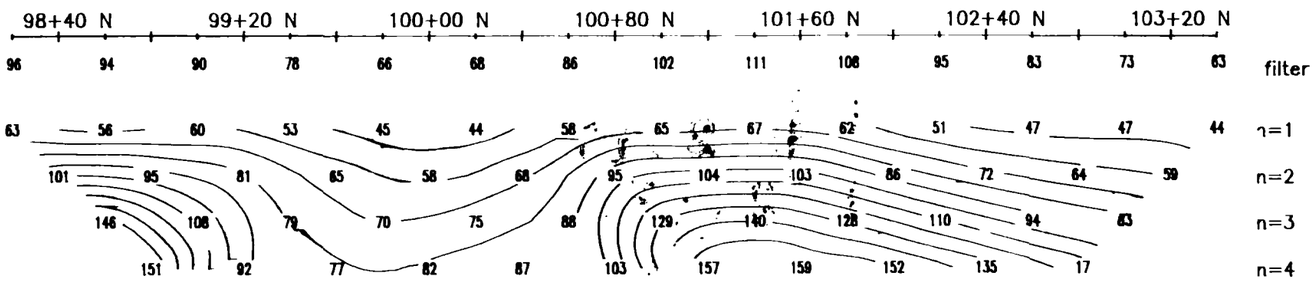
Line 13400 E

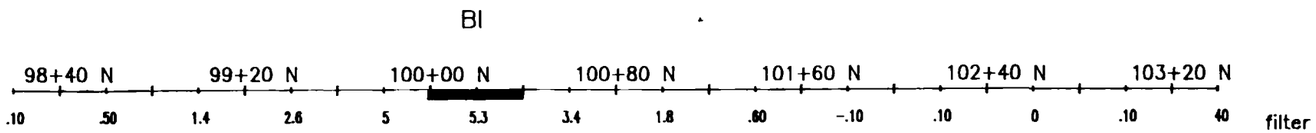
Dipole–Dipole Array

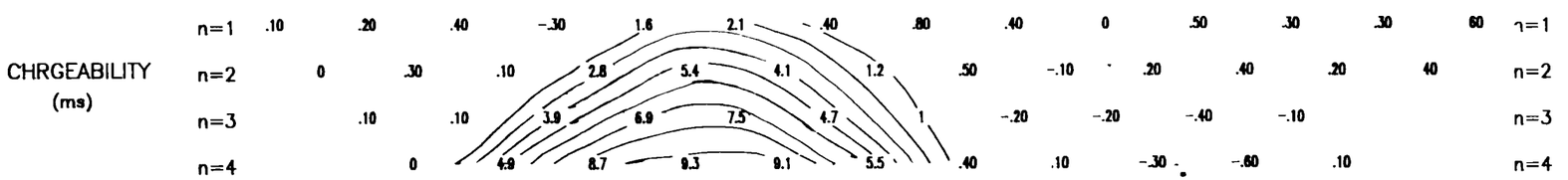


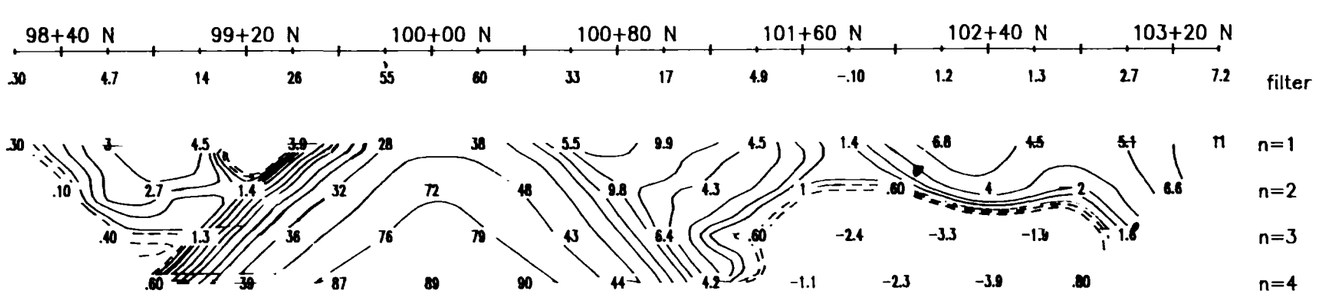


Recieyer: Scintrex IPR–11
Type: Spectral Time Domain
Transmitter: Scintrex TSQ–3, 3kW
Delay Time: 330 ms
Integration Time: 180 ms









RESISTIVITY
(ohm–m)

2.17127

CONTOUR INTERVALS

Resistivity: 10 ohm–m
Chargeability: 1 ms
Metal Factor: log

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

340

CHARGEABILITY
(ms)

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ◪ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▽ Low resistivity feature.

Scale 1:2500

25 0 25 50 75 100 125 150
(meters)

METAL FACTOR
(ip/res * 100)

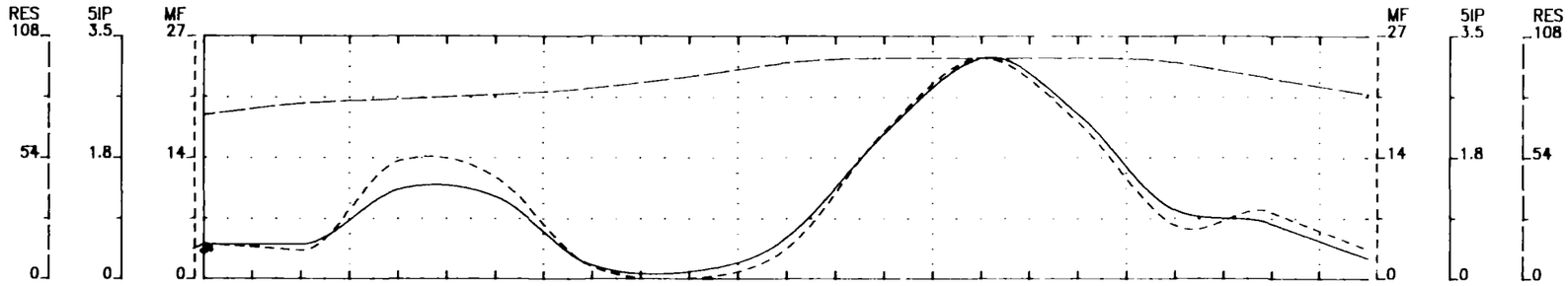
FALCONBRIDEGE LIMITED

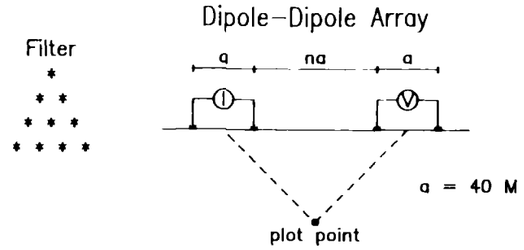
INDUCED POLARIZATION SURVEY
CURRIE–BOWMAN OPTION
CURRIE TOWNSHIP

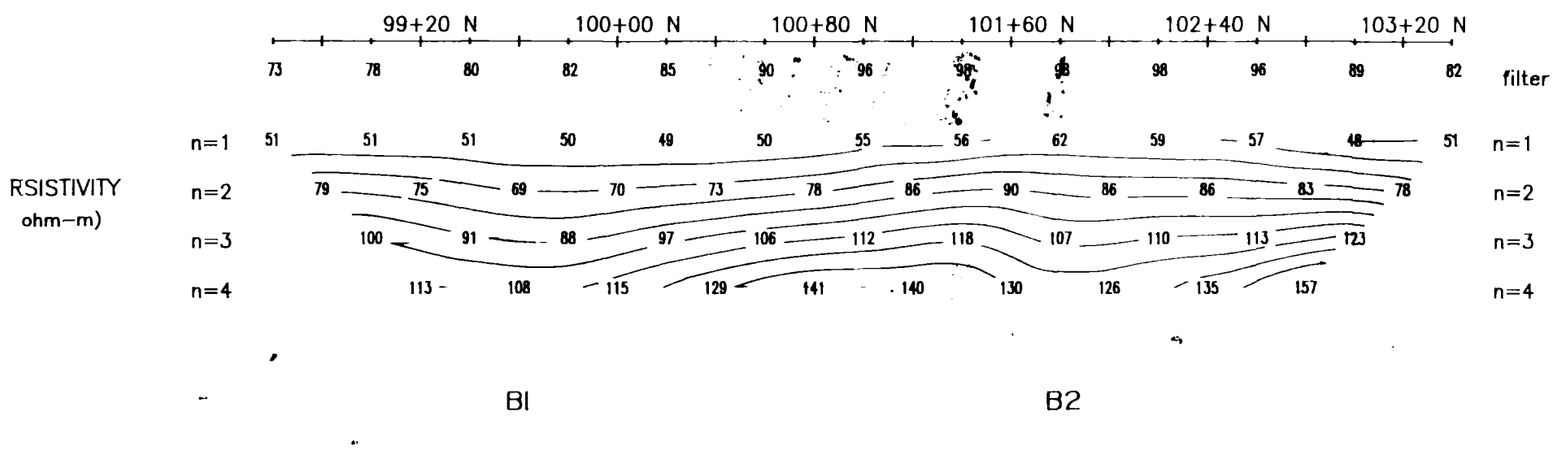
Date: 08/96
Interpretation: D. Londry

Timmins Geophysics Ltd.

Line 13100 E







2.17127

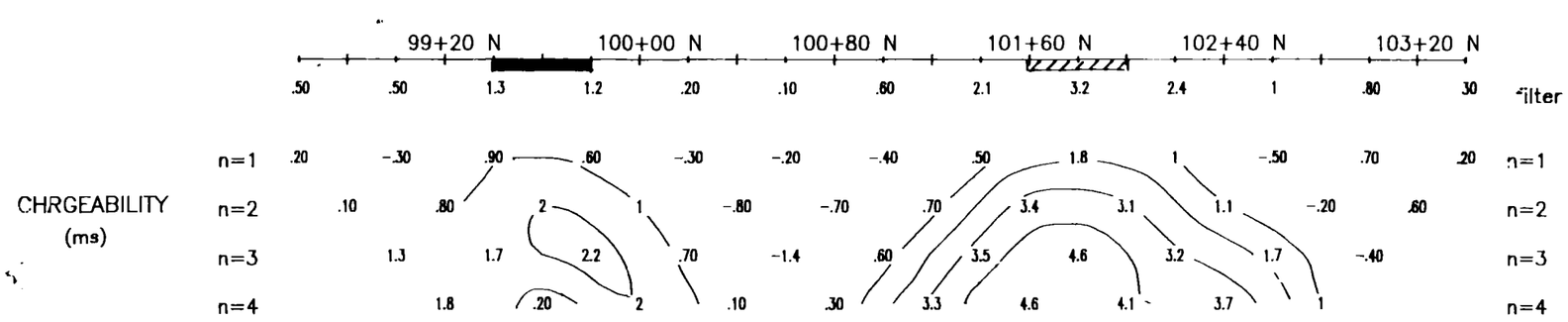
Reciever: Scintrex IPR–11
Type: Spectral Time Domain
Transmitter: Scintrex TSQ–3, 3kW
Delay Time: 330 ms
Integration Time: 180 ms

RESISTIVITY
(ohm–m)

CONTOUR INTERVALS

Resistivity: 10 ohm–m
Chargeability: 1 ms
Metal Factor: log

350



CHARGEABILITY
(ms)

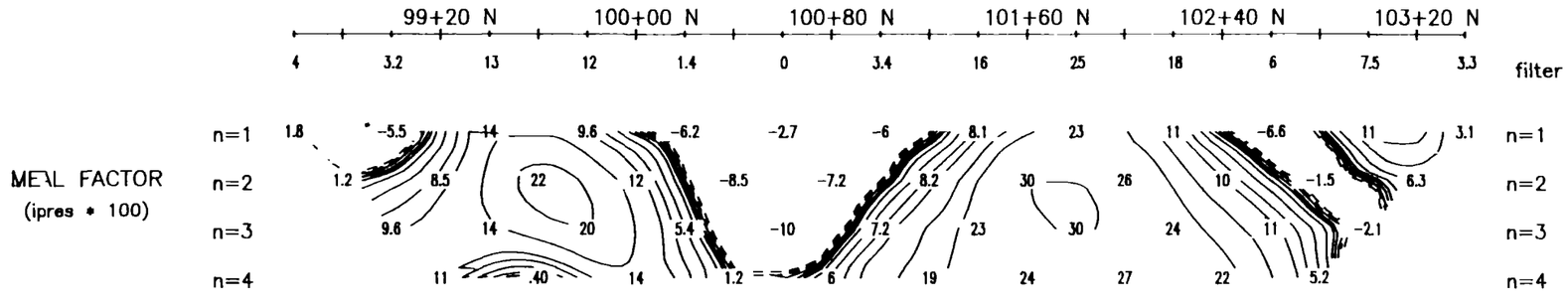
Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ☑ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▽ Low resistivity feature.

Scale 1:2500

25 0 25 50 75 100 125 150
(meters)



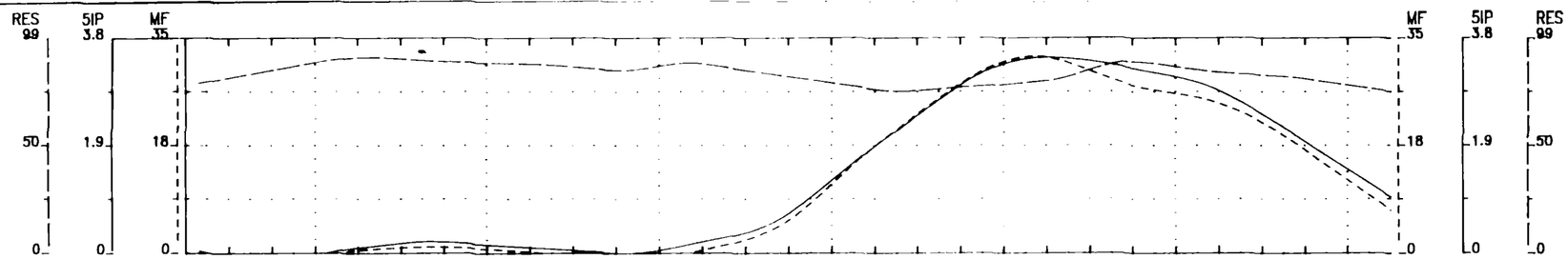
METAL FACTOR
(ip/res * 100)

FALCONBRIDEGE LIMITED

INDUCED POLARIZATION SURVEY
CURRIE–BOWMAN OPTION
CURRIE TOWNSHIP

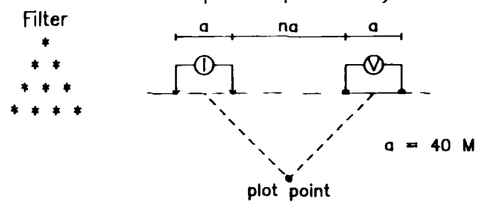
Date: 08/96
Interpretation: D. Londry

Timmins Geophysics Ltd.

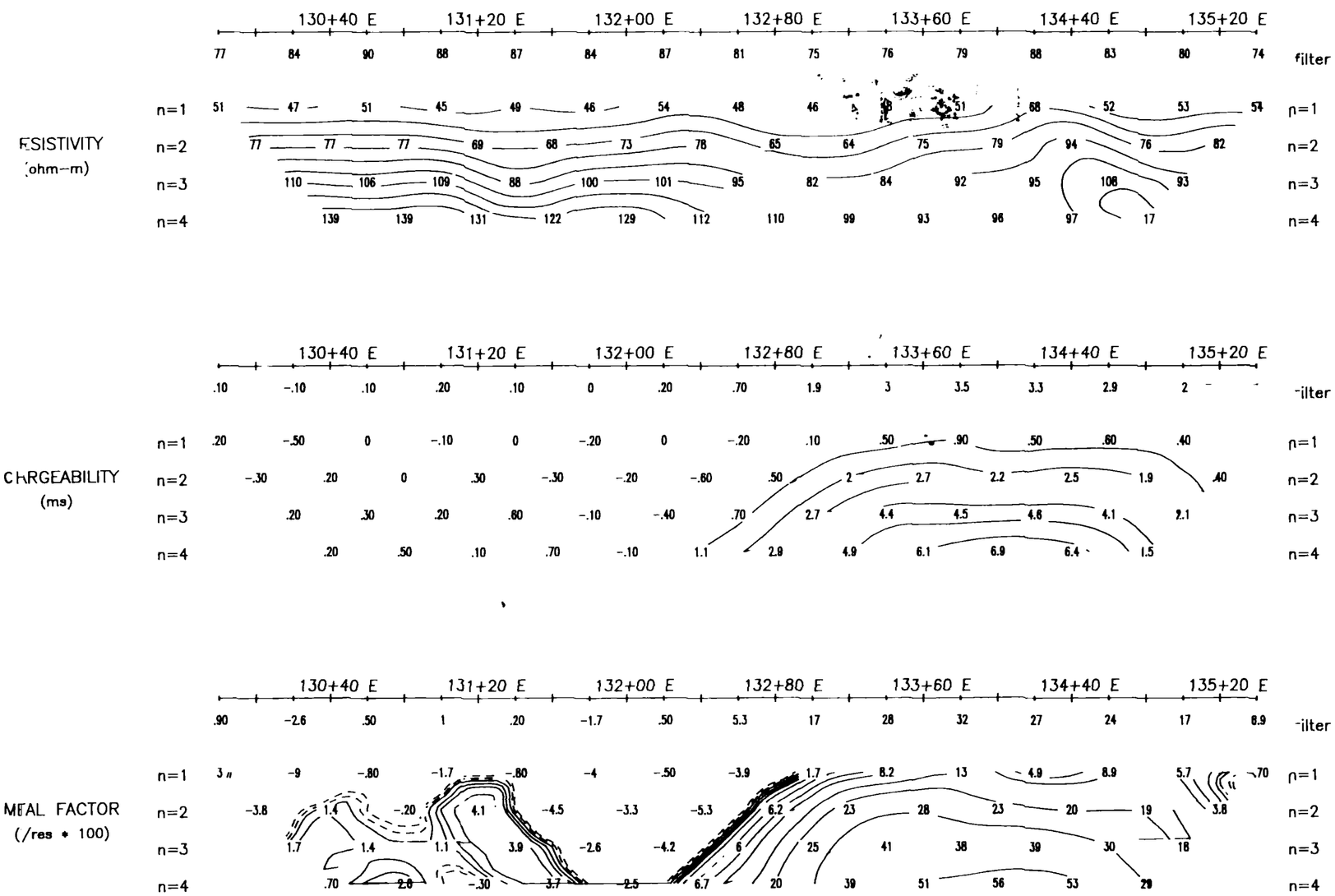


Line 10050 N

Dipole–Dipole Array



Reciever: Scintrex IPR-11
Type: Spectral Time Domain
Transmitter: Scintrex TSQ-3, 3kW
Delay Time: 330 ms
Integration Time: 180 ms



RESISTIVITY (ohm-m)

2.17127

CONTOUR INTERVALS

Resistivity: 10 ohm-m
Chargeability: 1 ms
Metal Factor: log

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

360

CHARGEABILITY (ms)

METAL FACTOR (ip/res * 100)

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ▨ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▽ Low resistivity feature.

Scale 1:2500

25 0 25 50 75 100 125 150
(meters)

FALCONBRIDEGE LIMITED

INDUCED POLARIZATION SURVEY
CURRIE–BOWMAN OPTION
CURRIE TOWNSHIP

Date: 08/96
Interpretation: D. Londry

Timmins Geophysics Ltd.