

**AN ASSESSMENT REPORT**

**ON**

**MAGNETIC & INDUCED POLARIZATION SURVEYING**

**Coles Creek Property  
Tahtsa Lake Area,  
Omineca M.D. , B.C.  
53° 31'N, 127° 13'W  
N.T.S. 93E/11**

**For**

**CALLINAN MINES LTD.**

**Vancouver, B.C.**

**BY**

**PETER E. WALCOTT & ASSOCIATES LIMITED**

**Vancouver, B.C.**

**AUGUST 2007**

## TABLE OF CONTENTS

	<u>Page</u>
Introduction	3
Purpose	4
Geology	5
Previous Work	6
Survey Specifications	7
Discussion of Results	10
Summary, Conclusions & Recommendations	12

### APPENDIX

Cost of Survey  
 Personnel Employed on Survey  
 Certification  
 21 point filter chargeability on topography with DDH's

### ACCOMPANYING MAPS

### MAP POCKET

I.P. Pseudo Sections on topographic profiles 1:5,000  
 Lines 150, 300, 450, 600, 750, 900, 1050, 1200, 1350, 1500,  
 1650, 1800, 1950, 2100, 2150, 2400, 2550, 2700 & 2850E

I.P. inverted sections on topographic profiles – same lines 1:5,000

Grid Location Map 1:5,000  
 Contours of Total Field Intensity 1:5,000  
 Contours of Apparent Resistivity n = 3 1:5,000  
 Contours of Apparent Chargeability n = 3 1:5,000  
 Contours of 21 Point Filter Chargeability 1:5,000  
 Stacked Chargeability Pseudo sections 1:10,000  
 Stacked Resistivity Pseudo sections 1:10,000

## **INTRODUCTION.**

Between July 2<sup>nd</sup> and August 19<sup>th</sup>, 2006 Peter E. Walcott & Associates Limited undertook magnetic and induced polarization (I.P.) surveying over parts of the Coles Creek property, located some 105 kilometres southwest of the town of Houston, British Columbia, for Callinan Mines Ltd.

The survey was carried out over nineteen N40° W oriented lines, spaced 150 metres apart, established by linecutters contracted by Callinan.

Readings of the earth's total magnetic field were recorded using a GSM 19 proton magnetometer on the magnetic survey, while measurements – first to sixth separation – of apparent chargeability – the I.P. response parameter – and resistivity were made on each of the line traverses using the pole – dipole technique with a 50 metre dipole.

In addition the elevations and horizontal locations of the line stations were measured using a Brunton altimeter and a Garmin 76 GPS unit respectively.

The magnetic data is presented as a colour grid on the topography at a scale of 1:5,000, while the I.P. data is presented as individual pseudo sections plotted on topography at 1:5,000, and as stacked sections at 1:10,000.

The progress of the survey was hampered by the steep terrain, and snow and ice cover in places resulting in the need to dig through the cover to obtain electrical contact with the ground beneath. In places 2 to 3 metres excavations were necessary.

**PURPOSE.**

The purpose of the survey was to explore for copper-zinc-lead-molybdenum mineralization on the property, the presence of which was noted in limited outcroppings on previous work.

**GEOLOGY.**

The property is underlain by Jurassic volcanic and sedimentary rocks of the Hazelton Group, intruded by feldspar-quartz porphyry, feldspar porphyry dykes and fine grain diorite.

Mineralization consisting mainly of pyrite with chalcopyrite, sphalerite and galena occurs in localized fractures and shear zones.

For further information the reader is referred to reports held by Callinan or authored by the staff of same.

**PREVIOUS WORK.**

Previous work on the property consisted of geological mapping, geochemical surveying, geophysical surveying and diamond drilling.

Magnetic surveying was conducted in the seventies using a fluxgate magnetometer, while limited induced polarization surveying was done using a portable low wattage transmitter and obtaining first separation readings with a 200 foot (61 metre) dipole.

For further information the reader is referred to the aforementioned reports.

## **SURVEY SPECIFICATIONS.**

### *Magnetic Survey.*

The magnetic survey was carried out using a GSM 19 proton precession magnetometer manufactured by GEM Instruments of Richmond Hill, Ontario. This instrument measures variations in the total intensity of the earth's magnetic field to an accuracy of plus or minus one nanotesla. Corrections for daily variations in the earth's field – the diurnal – were made by comparison with a similar instrument set up at a fixed location – the base – where recordings were made at 10 second intervals.

### *The Induced Polarization Survey.*

The induced polarization (I.P.) survey was conducted using a pulse type system, the principal components of which were manufactured by Hunttec Limited of Metropolitan Toronto, Canada and Iris Instruments of Orleans, France.

The system consists basically of three units, a receiver (Iris), transmitter (Hunttec) and a motor generator (Hunttec). The transmitter, which provides a maximum of 7.5 kw d.c. to the ground, obtains its power from a 7.5 kw 400 c.p.s. three phase alternator driven by a Honda 20 h.p. gasoline engine. The cycling rate of the transmitter is 2 seconds “current-on” and 2 seconds “current-off” with the pulses reversing continuously in polarity. The data recorded in the field consists of careful measurements of the current (I) in amperes flowing through the current electrodes C<sub>1</sub> and C<sub>2</sub>, the primary voltages (V) appearing between any two potential electrodes, P<sub>1</sub> through P<sub>7</sub>, during the “current-on” part of the cycle, and the apparent chargeability, (M<sub>a</sub>) presented as a direct readout in millivolts per volt using a 200 millisecond delay and a 1000 millisecond sample window by the receiver, a digital receiver controlled by a micro-processor – the sample window is actually the total of ten individual windows of 100 millisecond widths.

The apparent resistivity ( $\rho_a$ ) in ohm metres is proportional to the ratio of the primary voltage and the measured current, the proportionality factor depending on the geometry

## **SURVEY SPECIFICATIONS cont'd**

of the array used. The chargeability and resistivity are called apparent as they are values which that portion of the earth sampled would have if it were homogeneous. As the earth sampled is usually inhomogeneous the calculated apparent chargeability and resistivity are functions of the actual chargeability and resistivity of the rocks.

The survey was carried out using the “pole-dipole” method of surveying. In this method the current electrode,  $C_1$ , and the potential electrodes,  $P_1$  through  $P_7$ , are moved in unison along the survey lines at a spacing of “a” (the dipole) apart, while the second current electrode,  $C_2$ , is kept constant at “infinity”. The distance, “na” between  $C_1$  and the nearest potential electrode generally controls the depth to be explored by the particular separation, “n”, traverse.

On this survey a 50 metre dipole was employed and first to sixth separation readings were obtained. In all some 22 kilometres of I.P. and magnetic traversing were completed.

### *Vertical control.*

The elevations of the stations were recorded using an ADC Summit altimeter manufactured by Brunton of Wyoming, USA. This instrument measures elevations using barometric pressures to an accuracy of plus or minus 3 metres. Corrections for errors due to variations in atmospheric pressure were made by comparison to readings obtained on a similar instrument, held stationary at one location – the base -, at 10 minute intervals.

### *Horizontal control.*

The horizontal position of the stations were recorded using Garmin 76 GPS unit and a CDGPS receiver.

The latter output corrections were obtained from Canadian reference stations via Pacific Crest radio modems to the Garmin for more accurate horizontal locations.



## **SURVEY SPECIFICATIONS cont'd**

### *Data Presentation.*

The total field magnetic intensity is shown in contour form overlaid on the topographic base map at a scale of 1:5,000.

The I.P. data are presented as individual pseudo section plots of apparent chargeability and resistivity at a scale of 1:5,000 on topographic profiles.

Stacked sections of the apparent resistivity and chargeability are also shown at 1:10,000.

Contour plans of the third separation apparent chargeability and resistivity, on an idealized grid, are also added at a scale of 1:5,000.

The 21 point moving filter chargeability values are contoured on the topographic overlay for comparison with the magnetics at a scale of 1:5,000.

Two dimensional smooth model inversion of the resistivity and chargeability was carried out using the Geotomo RES2DINV Algorithm, an algorithm developed by Loke et-al. This algorithm uses a 2-D finite element method and incorporates topography in modeling resistivity and I.P. data. Nearly uniform starting models are generated by running broad moving-average filters over the respective lines of data. Model resistivity and chargeability properties are then adjusted iteratively until the calculated data values match the observed as closely as possible, given constraints which keep the model section smooth. The smooth chargeability and resistivity models were then imported into Geosoft format for presentation at the same scale of 1:5,000 on the topographic profile. A slight discrepancy can be observed between the measured and modeled plots as the former are processed in Geosoft which assumes horizontal distances for the station separation.

## **DISCUSSION OF RESULTS.**

These should be studied in conjunction with the rest of the results of the 2006 exploration programme contained in the report authored by the staff of Callinan Mines of which this report is a part.

The magnetometer survey showed the property to exhibit high magnetic relief – some 7000 nanoteslas.

A large elongated low striking northeast is observed north of the main Coles Creek tributary presumably reflecting intrusive rocks. Another undefined low seen open to the west is also thought to reflect underlying intrusives.

The higher magnetics are thought to reflect Hazelton andesite rocks with the more intense on the western edge probably due to magnetite stockworks in the same.

The chargeability data showed the core of the grid to exhibit low chargeabilities, as seen by the pronounced northeasterly trending low on the plots of the 21 point moving filter and the third separation contour plot.

Higher chargeabilities are observed undefined for the most part at the extremities of the lines, with the strongest values obtained coincident with the magnetic low in the southeastern part of the grid.

The contoured resistivity plot – third separation – showed a large resistivity low on the southeastern part of the grid coincident with the aforementioned chargeability high and magnetic low.

Two other linear resistivity features are observed striking northeasterly across portion of the grid.

The more southerly is associated with moderate relief chargeabilities while the other is only coincidental with higher chargeabilities on its westerly extent. Both presumably could be indicative of fault/shear zones.

**DISCUSSION OF RESULTS cont'd**

These features are more clearly seen on the inverted sections which also want to cover the area with a layer of low resistivity.

## **SUMMARY, CONCLUSIONS & RECOMMENDATIONS**

Between July 2<sup>nd</sup> and 19<sup>th</sup>, Peter E. Walcott & Associates Limited undertook magnetic and induced polarization traversing over parts of the Coles Creek property for Callinan Mines Ltd.

The property is located straddling a tributary of Coles Creek some 105 kilometres southwest of Houston, British Columbia.

The surveys were carried out over nineteen northwesterly trending lines spaced one hundred and fifty metres apart.

The I.P. survey showed a large chargeability low to exist on the centre portion of the area surveyed surrounded by several distinct areas of higher chargeability.

The resistivity survey showed some of the above chargeability zones to be associated with lower resistivities and outlines two apparent northeasterly trending linear structures thought to be representative of fault/shear zones.

As a result the writer recommends that the data be further studied in conjunction with the known geology, geochemistry, previous geophysical and diamond drilling results in order to plan the next phase of exploration.

Respectfully submitted,

**PETER E. WALCOTT & ASSOCIATES LIMITED**

**Peter E. Walcott, P.Eng.  
Geophysicist**

**Vancouver, B.C.  
August 2007**

**Peter E. Walcott & Associates Limited  
Geophysical Services**

**Magnetic & Induced Polarization Surveying  
Coles Creek Property**

**APPENDIX**

**COST OF SURVEY.**

Peter E. Walcott & Associates Limited undertook the survey on a daily basis. Mobilization and reporting were extra so that the total cost of services provided was \$51,462.03.

**PERSONNEL EMPLOYED ON SURVEY.**

<b>Name</b>	<b>Occupation</b>	<b>Address</b>	<b>Dates</b>
Peter E. Walcott	Geophysicist	Peter E. Walcott & . Associates Limited 506-1529 W, 6 <sup>th</sup> Ave. Vancouver, B.C.	Aug. 28 <sup>th</sup> , 06 Aug. 30 <sup>th</sup> , 31 <sup>st</sup> , 2007
Alexander Walcott	Geophysicist	“	Sept 10 <sup>th</sup> -15 <sup>th</sup> , 2006
Andrea Cochrane	“	“	Jul 2nd –19 <sup>st</sup> 2006
S. Phillips	Geophysical Operator	“	“
Matt Russell	Geophysical Assistant	“	“
B. Lajeunesse	“	“	“
S. Cruikshank	“	“	“
T. Scott	“	“	“
J. Walcott	Report Prep.	“	Sept. 6 <sup>th</sup> , 2007

**CERTIFICATION.**

I, Peter E. Walcott of 605 Rutland Court, Coquitlam, British Columbia, hereby certify that:

1. I am a graduate of the University of Toronto in 1962 with a B.A.Sc. in Engineering Physics, Geophysics Option.
2. I have been practicing my profession for the last forty five years.
3. I am a member of the Association of Professional Engineers of British Columbia and Ontario.
4. I hold no interest, direct or indirect in Callinan Mines Ltd., nor do I expect to receive any.

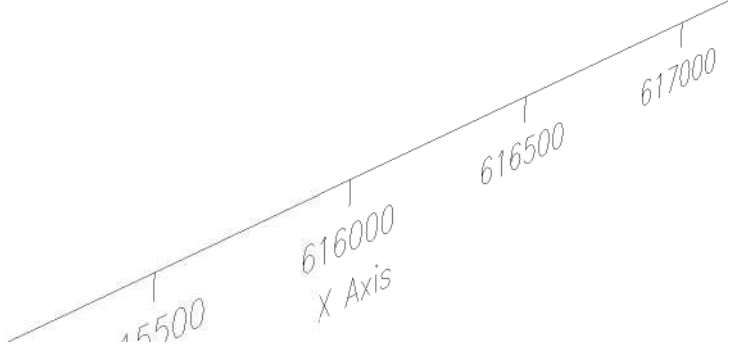
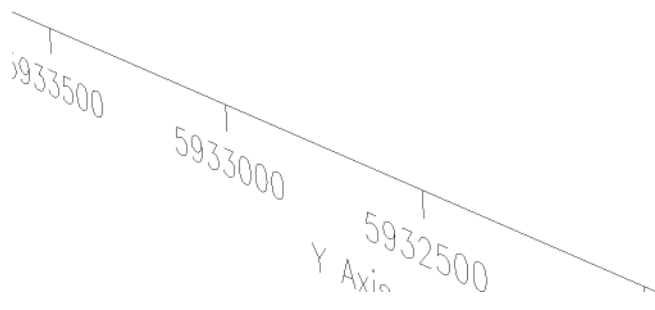
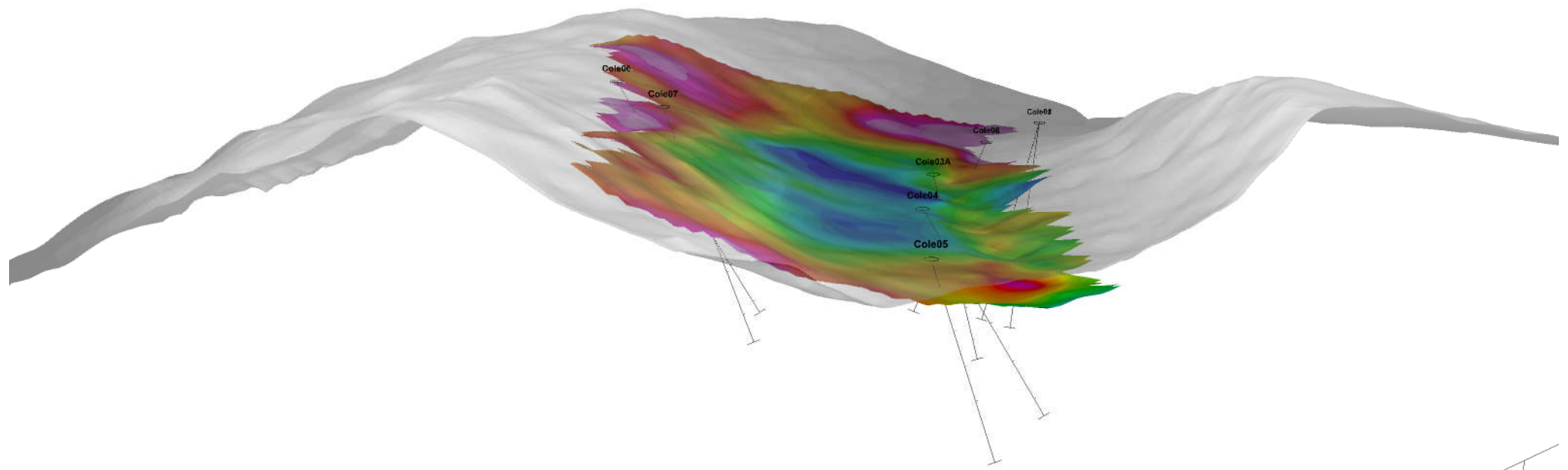
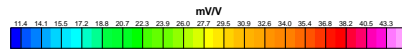
**Peter E. Walcott, P.Eng.**

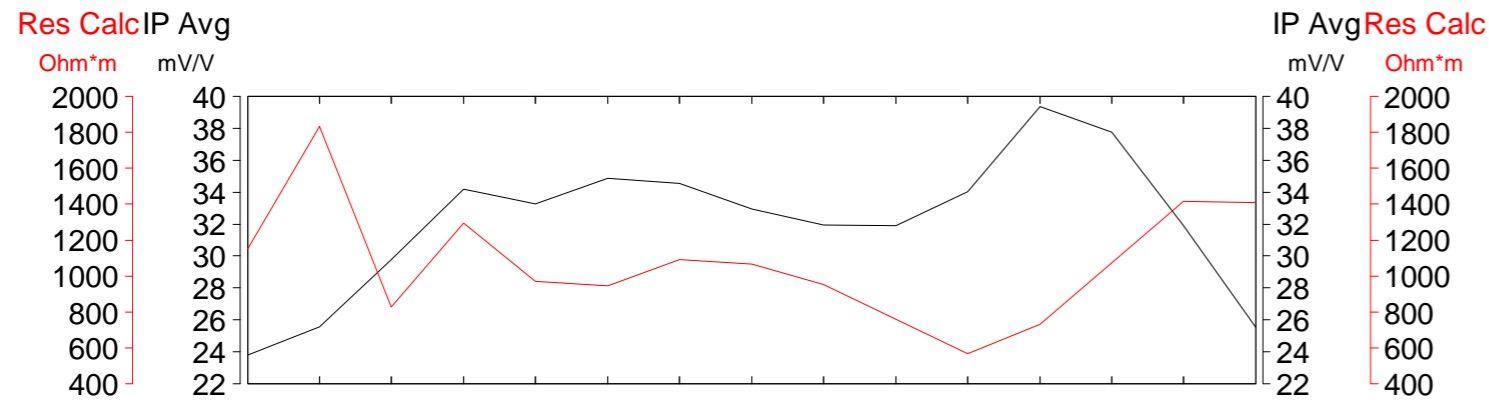
**Vancouver, B.C.  
August 2007**



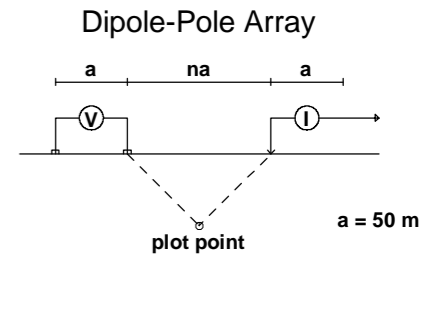
# CALLINAN MINES LIMITED - COLES CREEK PROJECT

## 3D View of Topography with drillholes and Apparent Chargeability (mV/V)

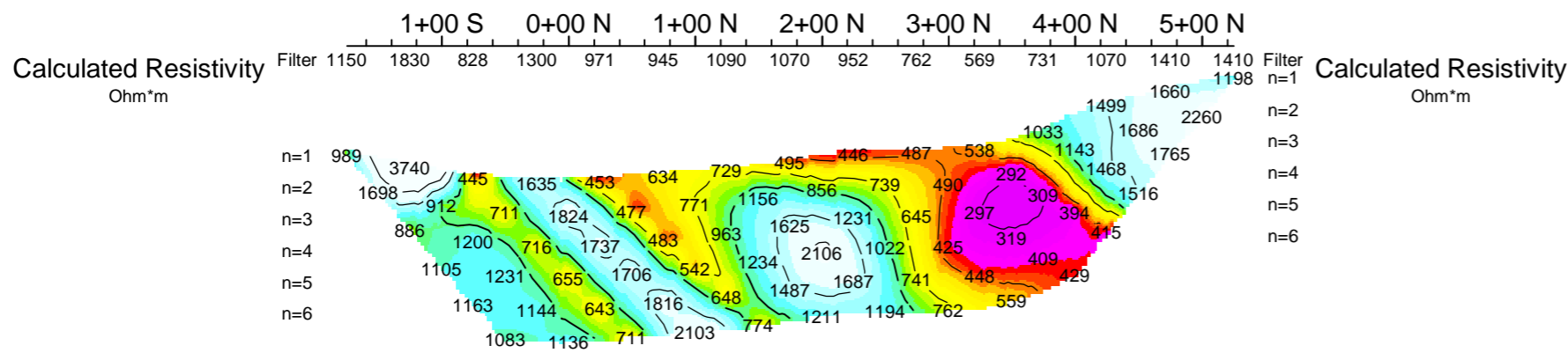




1+50 E



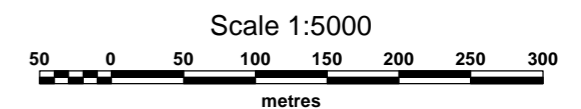
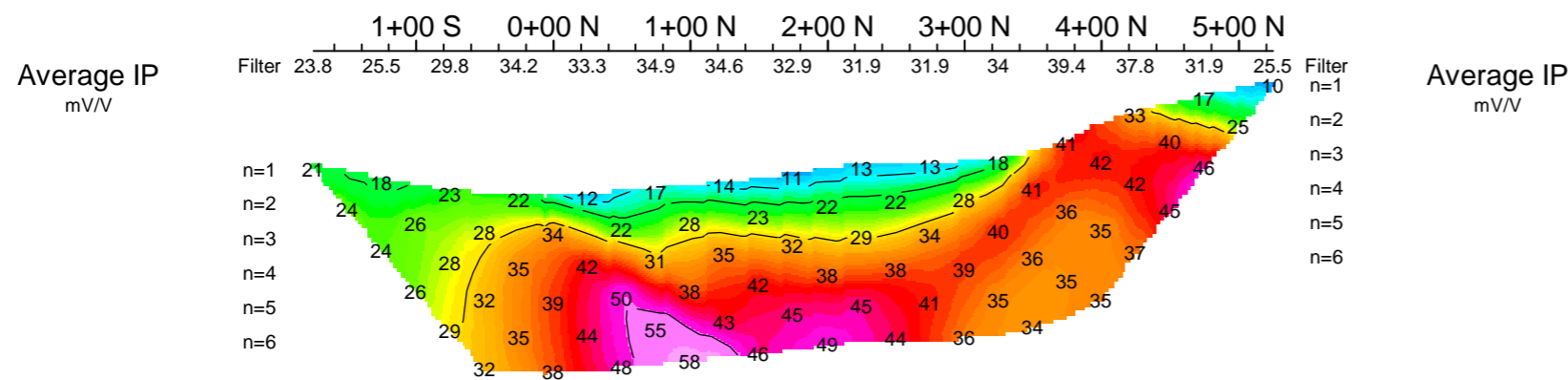
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 Operators: A.C., S.P.



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

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- Resistivity feature.



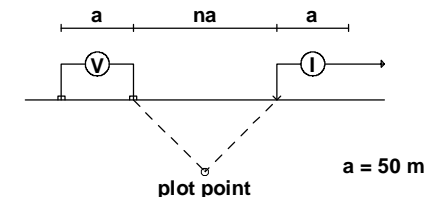
CALLINAN MINES LIMITED

INDUCED POLARIZATION SURVEY  
 COLES CREEK PROJECT

Date: JULY 2006  
 Interpretation:

PETER E. WALCOTT & ASSOCIATES LIMITED

Dipole-Pole Array



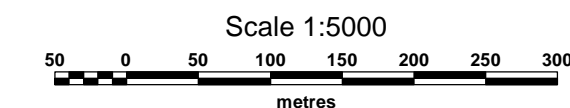
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Frequency: 0.125 Hz.  
Operators: A.C., S.P.

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

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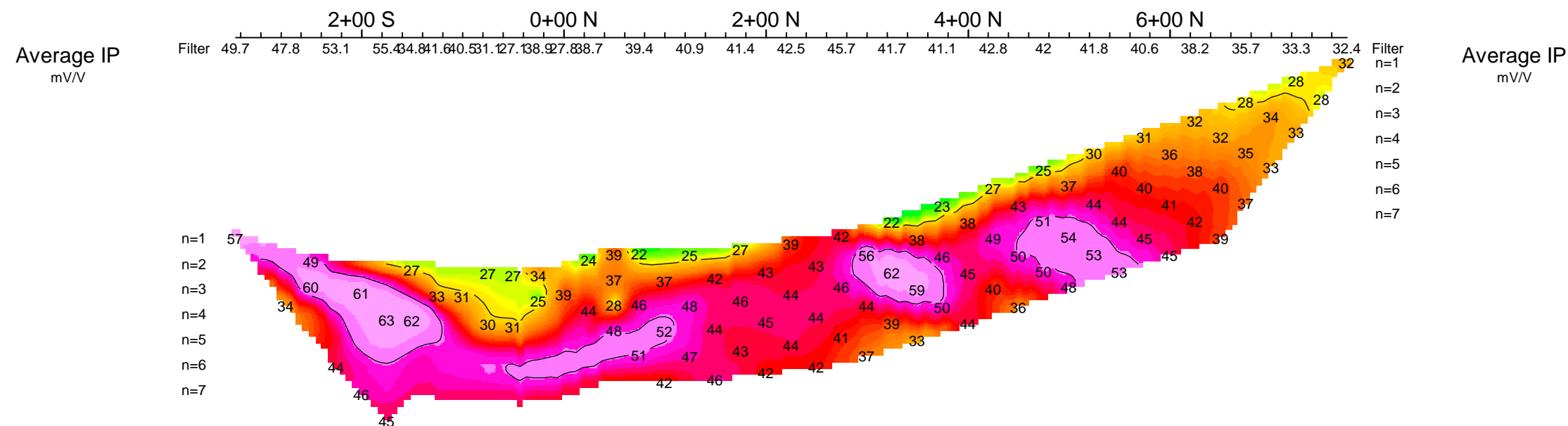
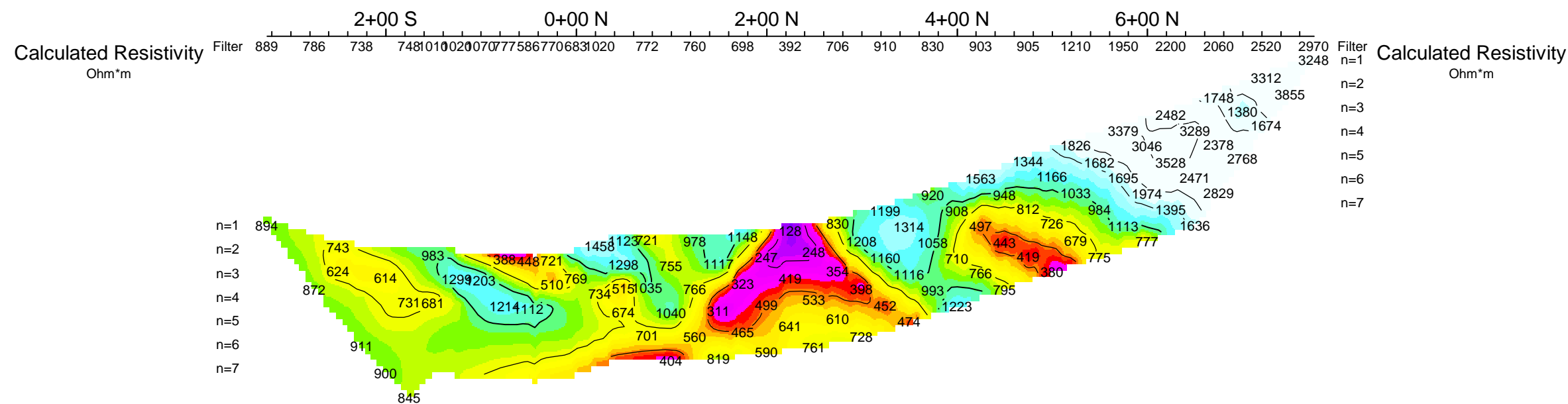
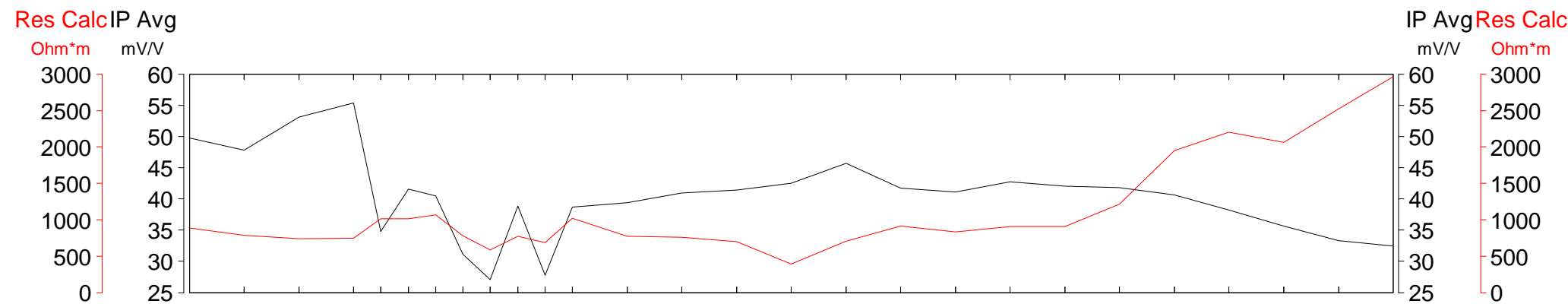


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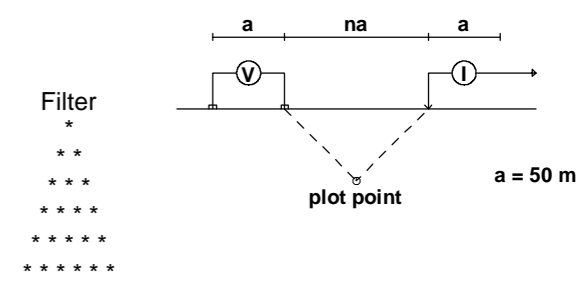
INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT

Date: JULY 2006  
Interpretation:

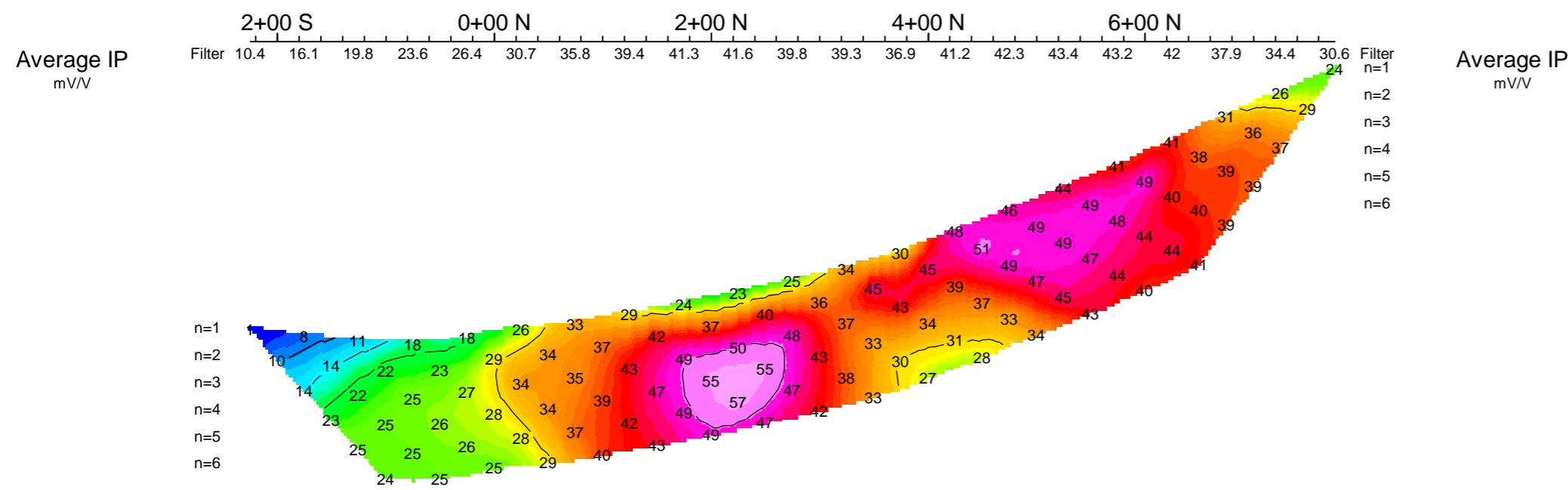
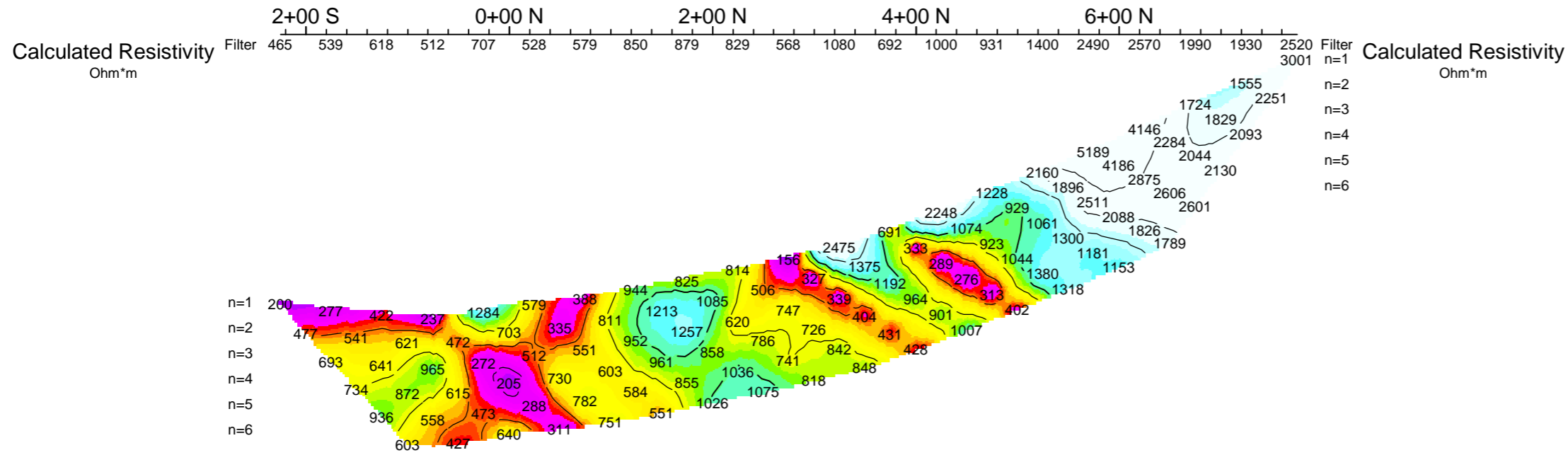
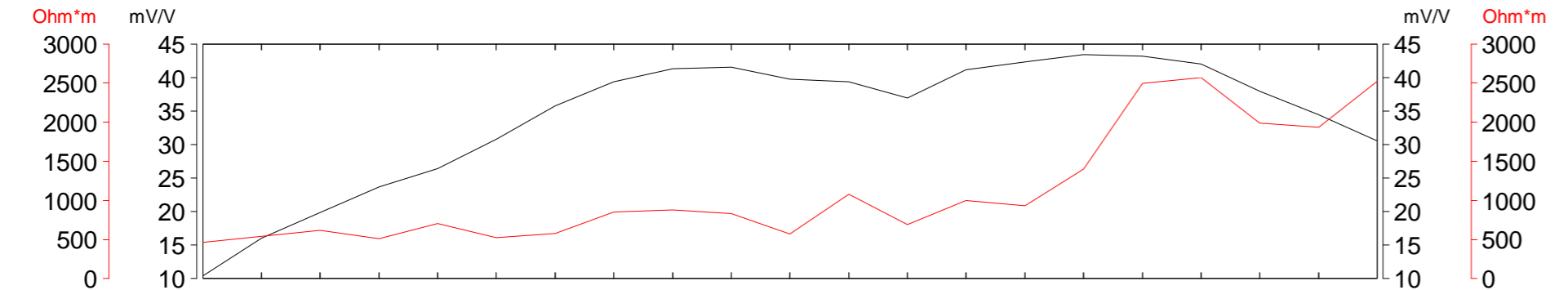
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Dipole-Pole Array



Res Calc IP Avg

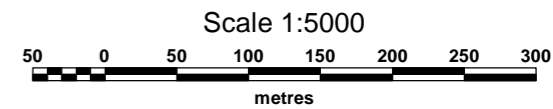


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Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- Resistivity feature.



CALLINAN MINES LIMITED

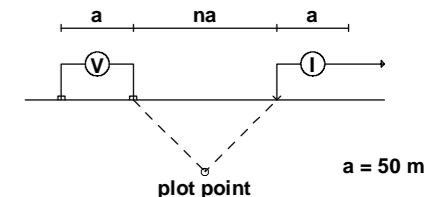
INDUCED POLARIZATION SURVEY  
 COLES CREEK PROJECT

Date: JULY 2006  
 Interpretation:

PETER E. WALCOTT & ASSOCIATES LIMITED

6+00 E

Dipole-Pole Array



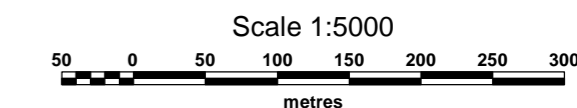
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Frequency: 0.125 Hz.  
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Logarithmic  
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

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CALLINAN MINES LIMITED

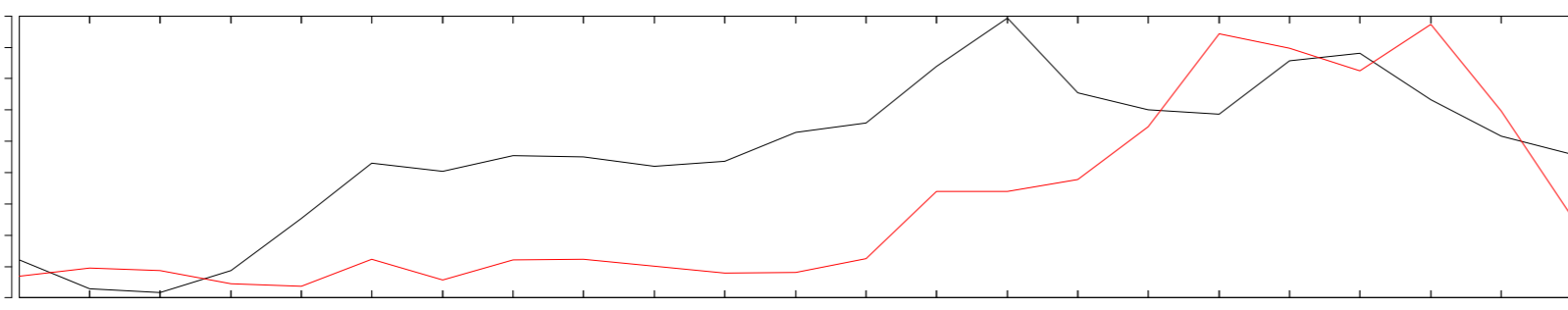
INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT

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Interpretation:

PETER E. WALCOTT & ASSOCIATES LIMITED

Res Calc IP Avg

Ohm\*m mV/V  
2000  
1800  
1600  
1400  
1200  
1000  
800  
600  
400  
40  
38  
36  
34  
32  
30  
28  
26  
24  
22



IP Avg Res Calc

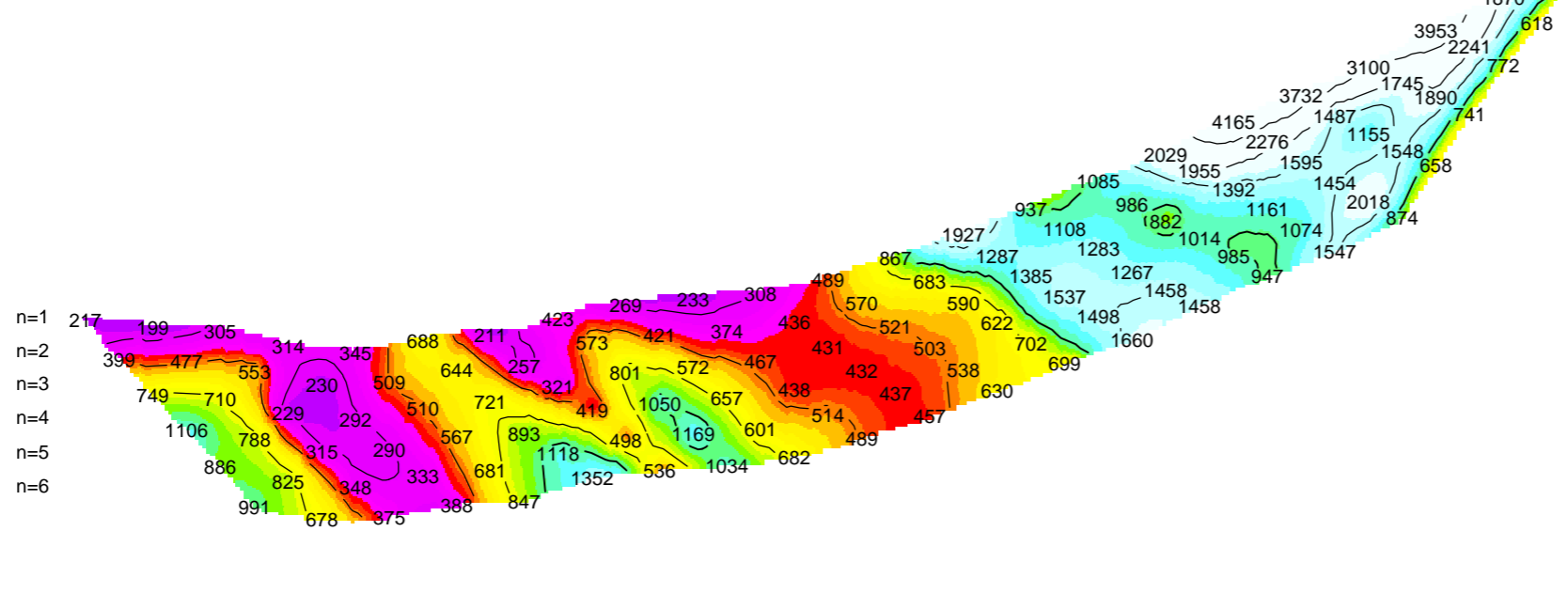
mV/V Ohm\*m  
40  
38  
36  
34  
32  
30  
28  
26  
24  
22  
2000  
1800  
1600  
1400  
1200  
1000  
800  
600  
400

Calculated Resistivity  
Ohm\*m

Filter 524 568 554 480 464 620 502 617 618 581 542 544 622 1000 1000 1070 1370 1900 1820 1690 1950 1460 857 1071

Calculated Resistivity  
Ohm\*m

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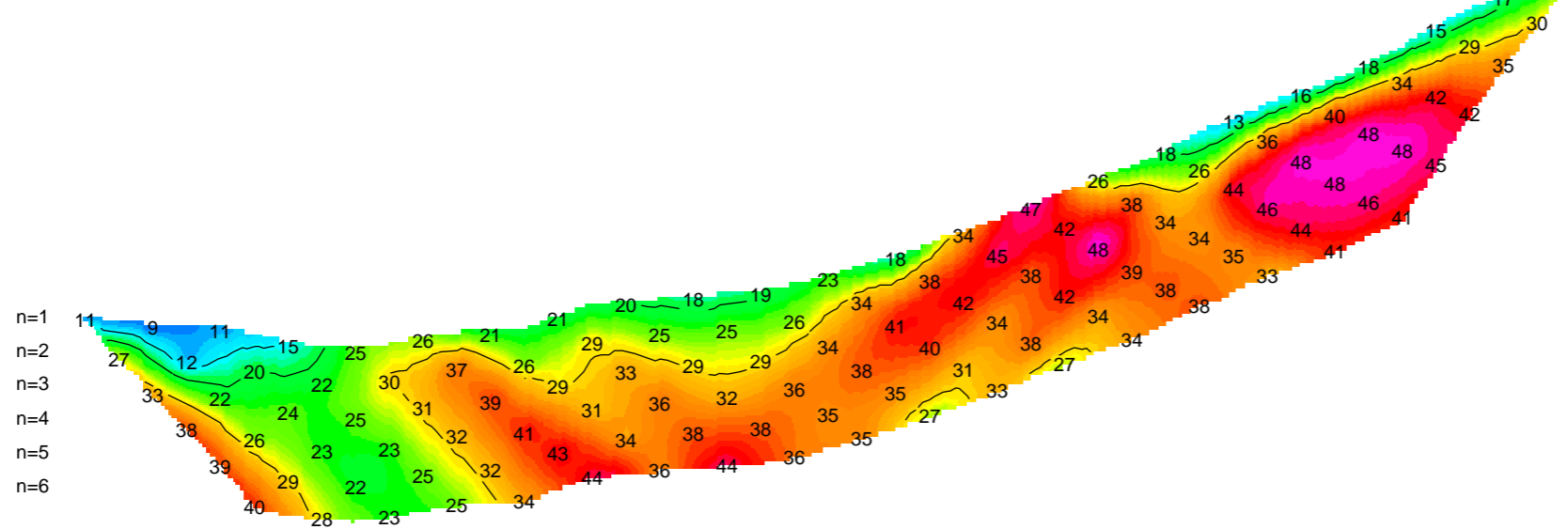


Average IP  
mV/V

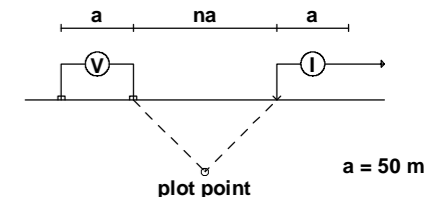
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Average IP  
mV/V

Filter  
n=1  
n=2  
n=3  
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n=5  
n=6



Dipole-Pole Array



Filter  
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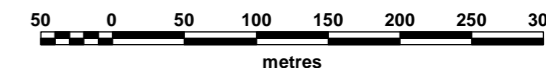
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Operators: A.C., S.P.

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

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
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Scale 1:5000

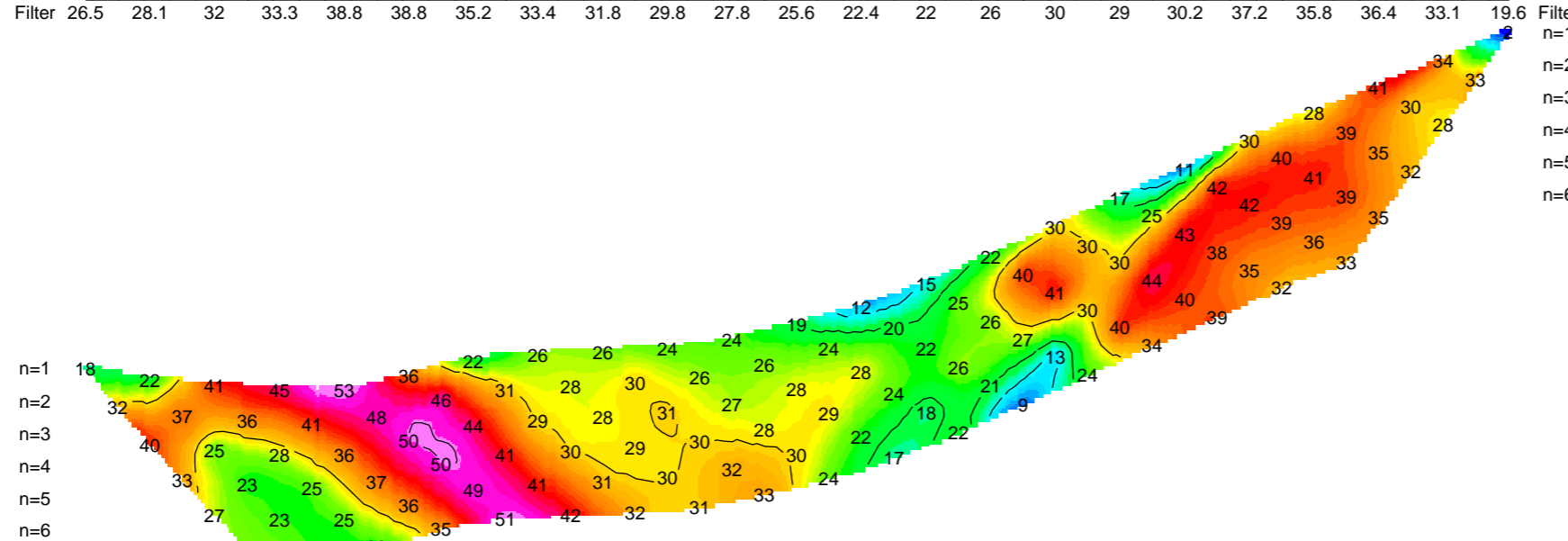
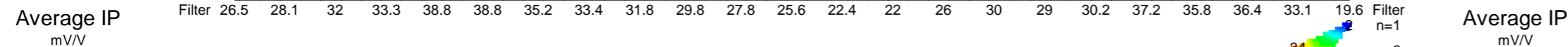
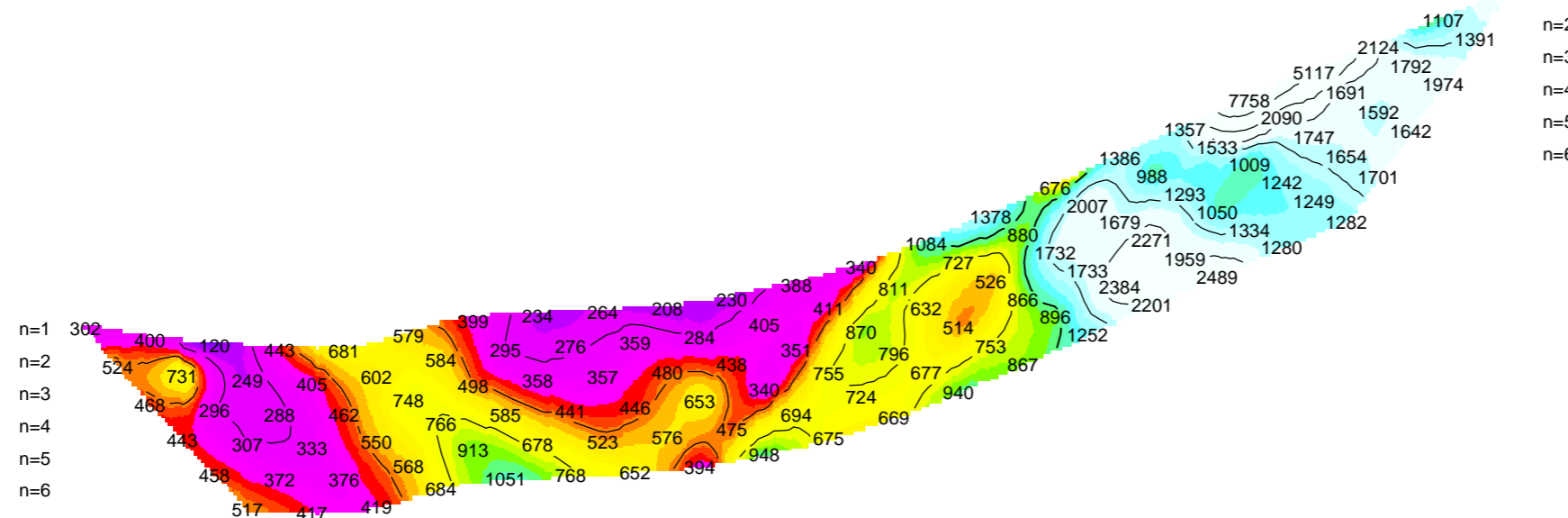
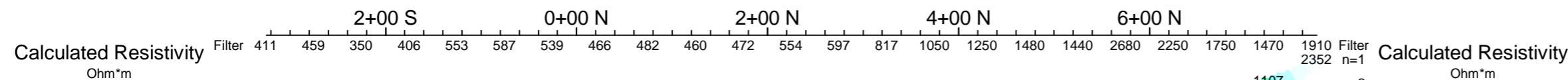
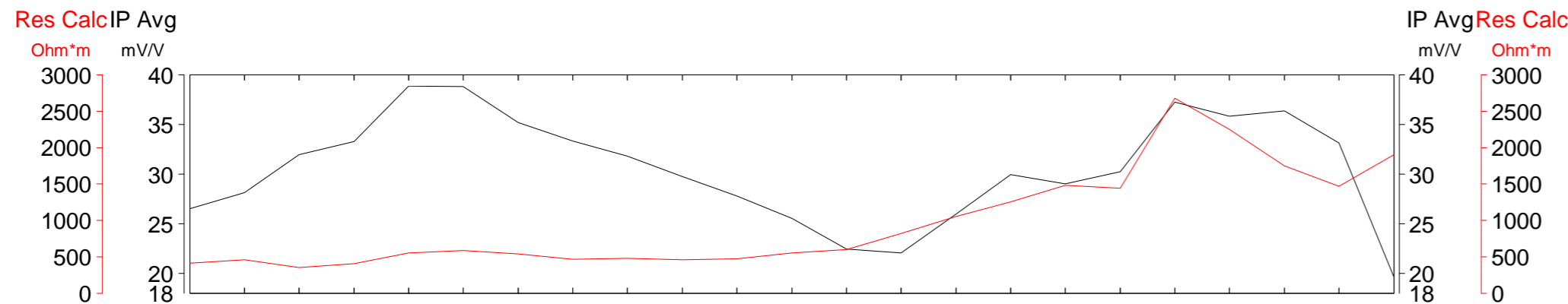


CALLINAN MINES LIMITED

INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT

Date: JULY 2006  
Interpretation:

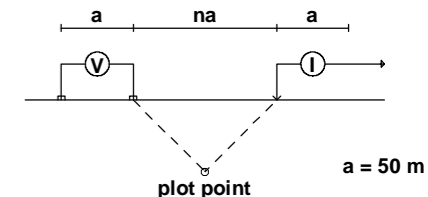
PETER E. WALCOTT & ASSOCIATES LIMITED





9+00 E

Dipole-Pole Array



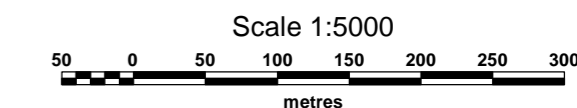
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Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx  
Frequency: 0.125 Hz.  
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Logarithmic  
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CALLINAN MINES LIMITED

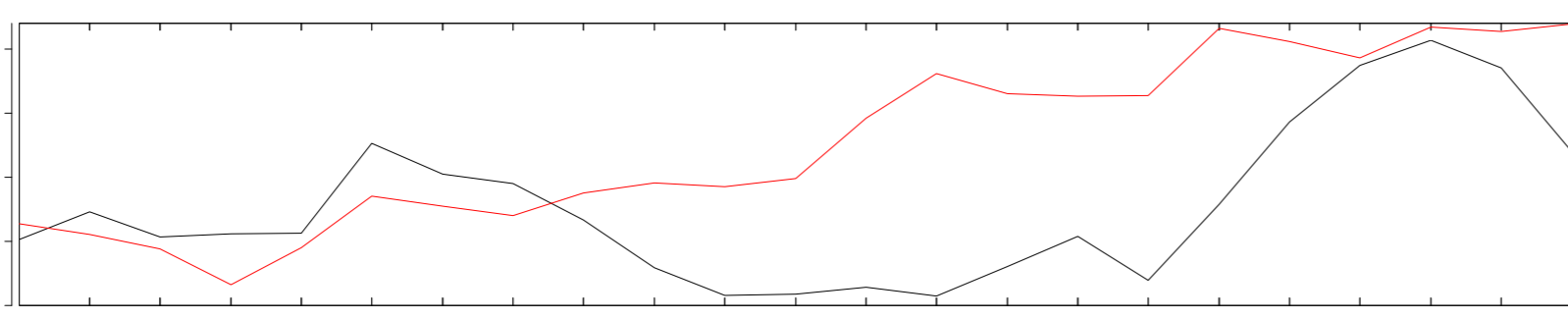
INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT

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Interpretation:

PETER E. WALCOTT & ASSOCIATES LIMITED

Res Calc IP Avg

Ohm\*m mV/V  
1200 42  
1000 40  
800 35  
600 30  
400 25  
200 20



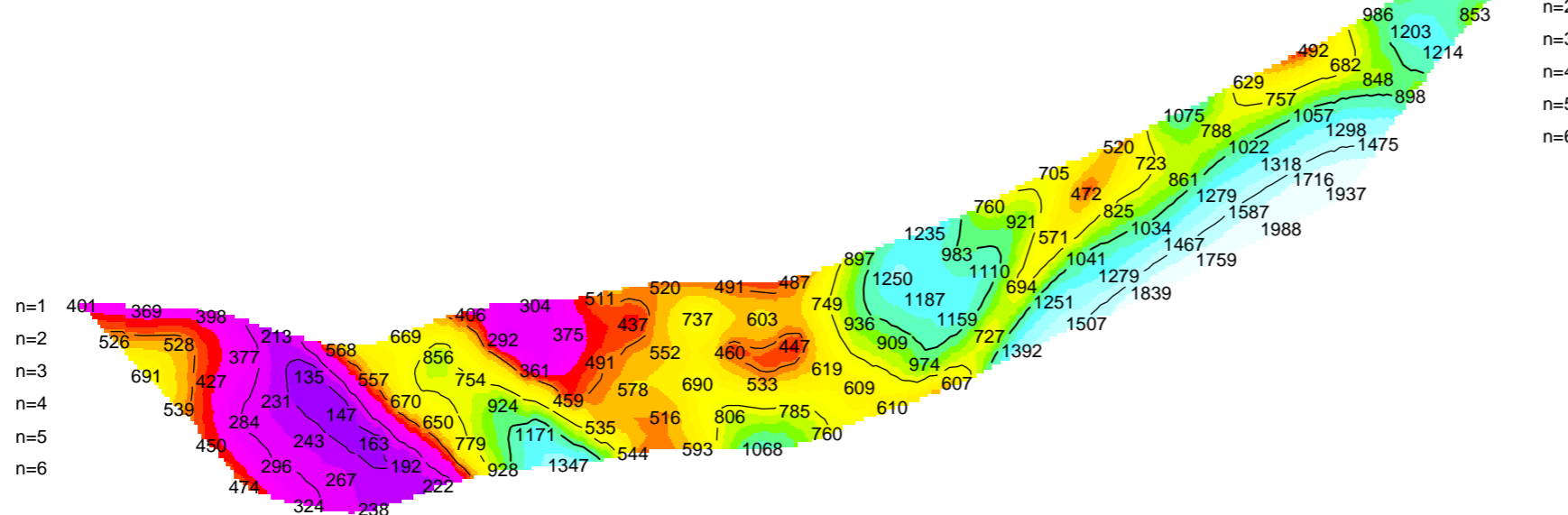
IP Avg Res Calc

mV/V Ohm\*m  
42 1200  
40 1000  
35 800  
30 600  
25 400  
20 200

Calculated Resistivity  
Ohm\*m

Filter 489 450 400 274 404 587 552 518 599 635 621 650 863 1020 951 941 943 1180 1140 1080 1190 1170 1200 1262

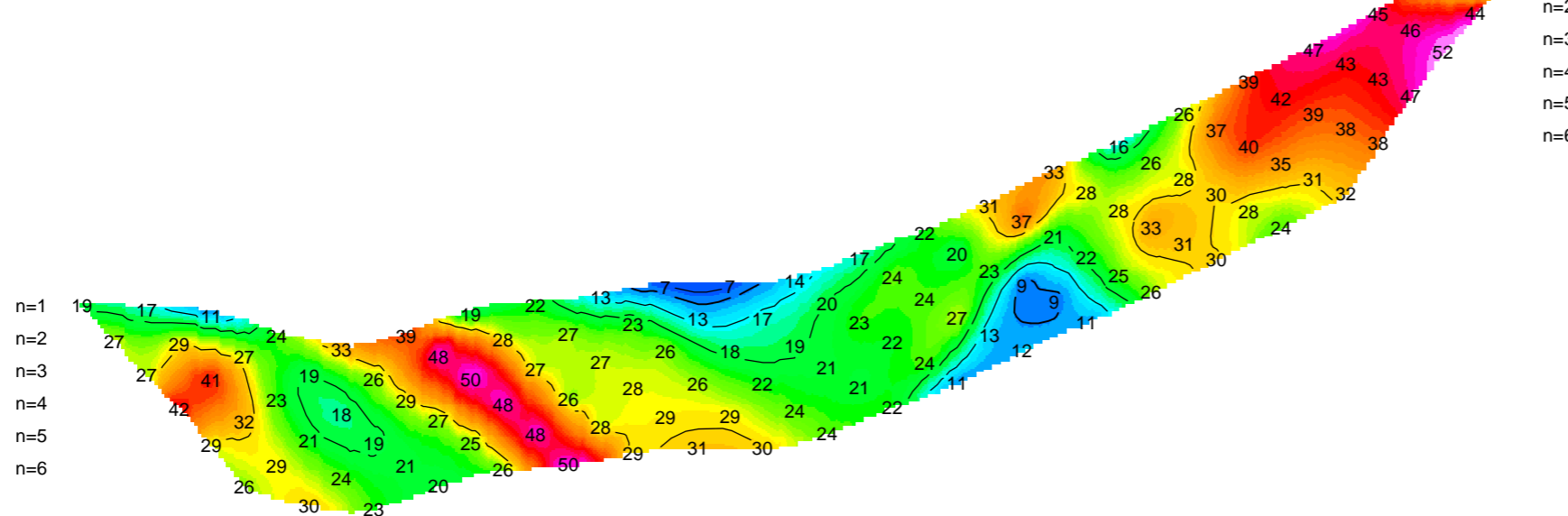
Calculated Resistivity  
Ohm\*m



Average IP  
mV/V

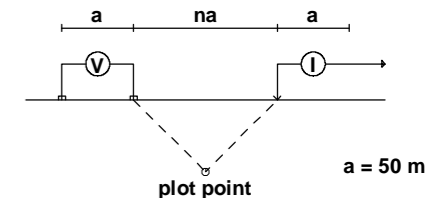
Filter 25.2 27.3 25.3 25.6 25.6 32.7 30.2 29.5 26.7 22.9 20.8 20.9 21.4 20.7 23 25.4 22 27.9 34.3 38.7 40.7 38.5 31.9 14

Average IP  
mV/V



Dipole-Pole Array

Filter  
\*  
\*\*  
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\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*



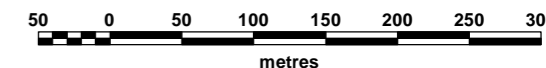
Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx  
Frequency: 0.125 Hz.  
Operators: A.C., S.P.

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

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- Resistivity feature.

Scale 1:5000

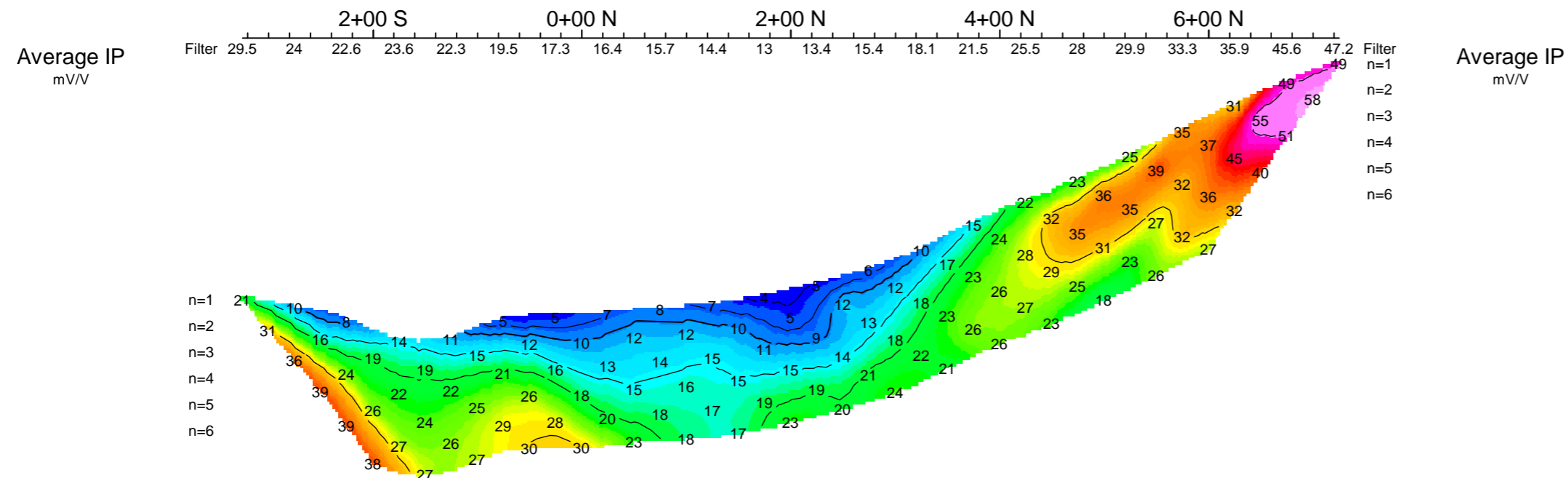
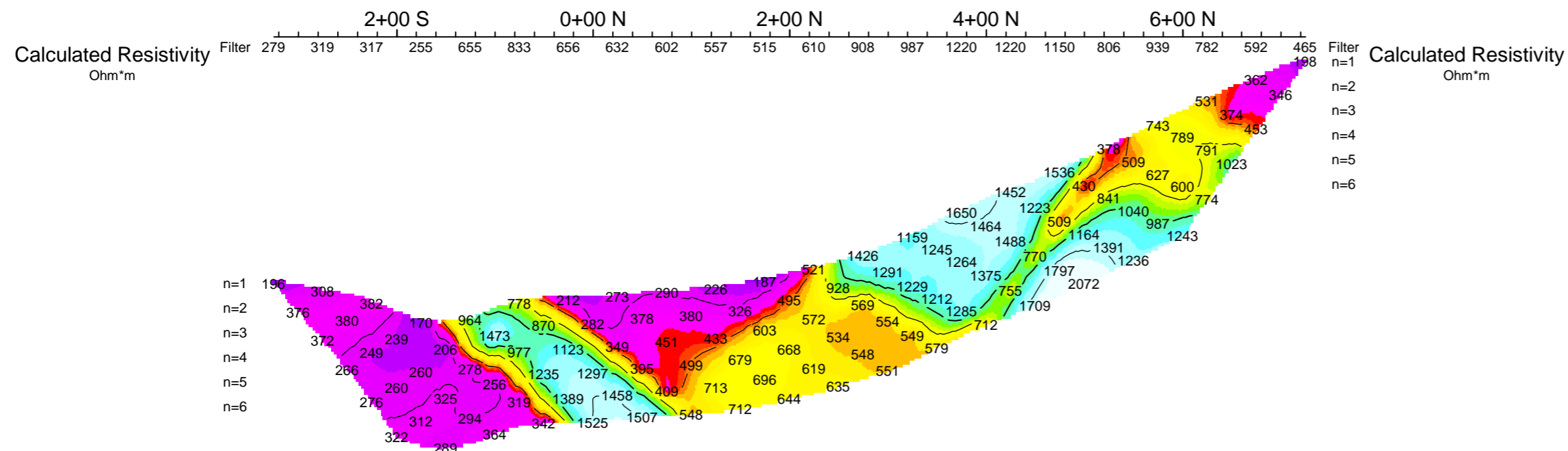
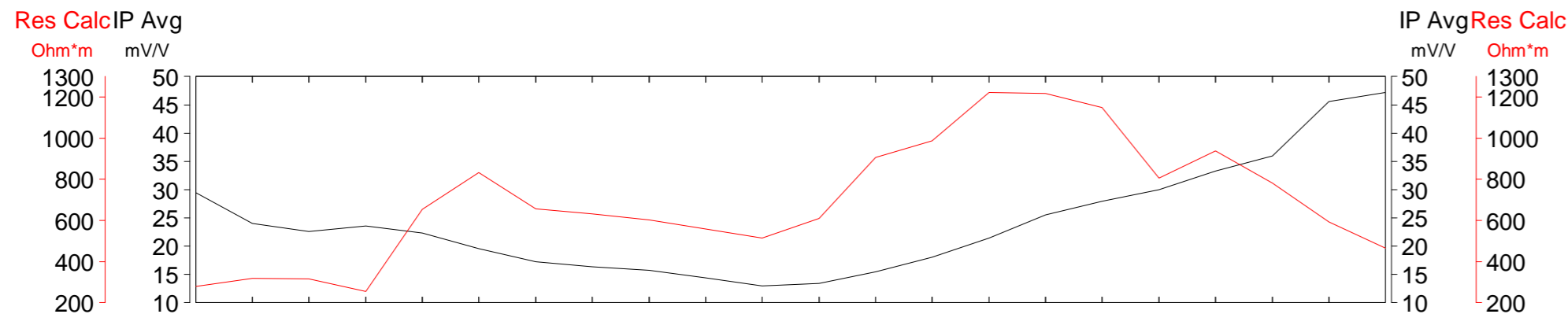


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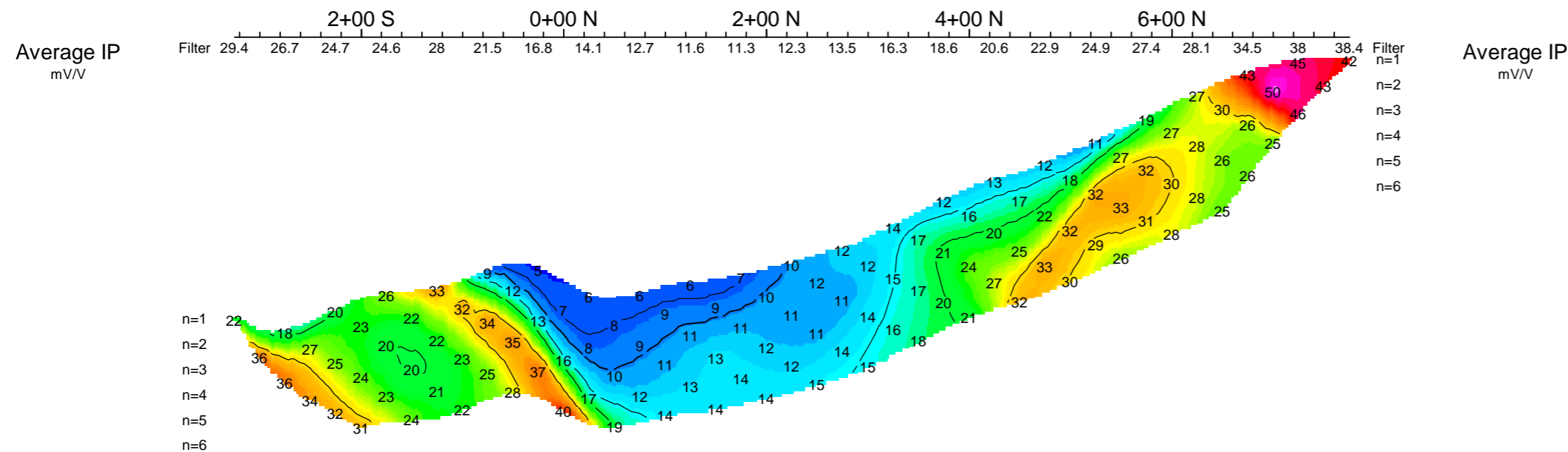
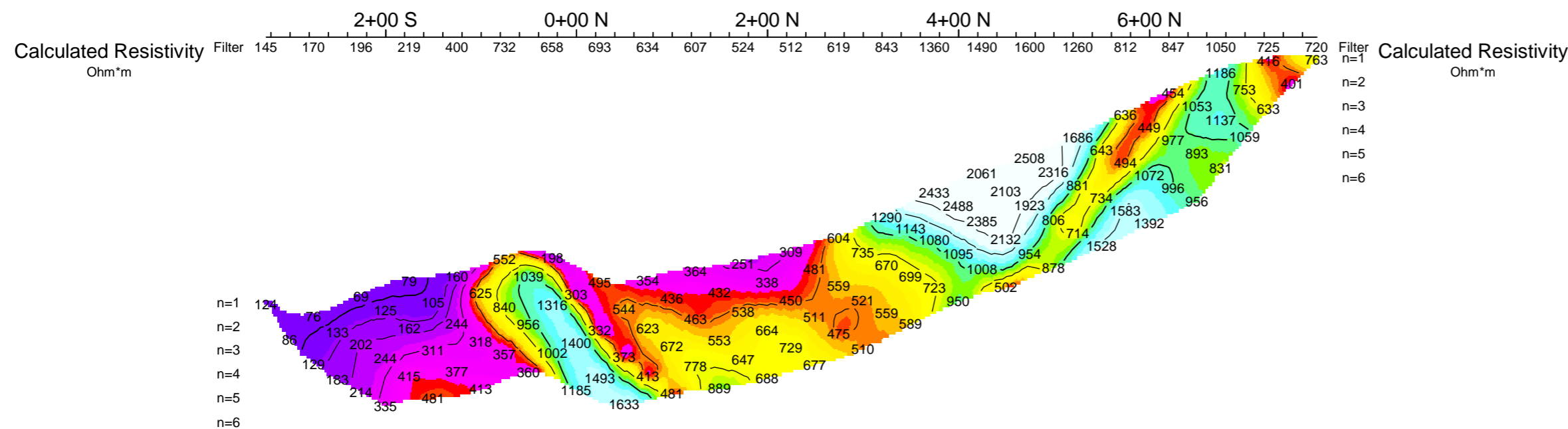
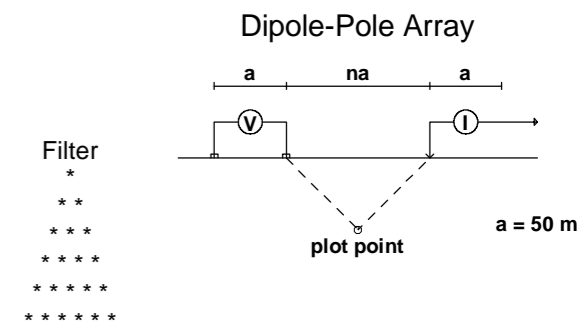
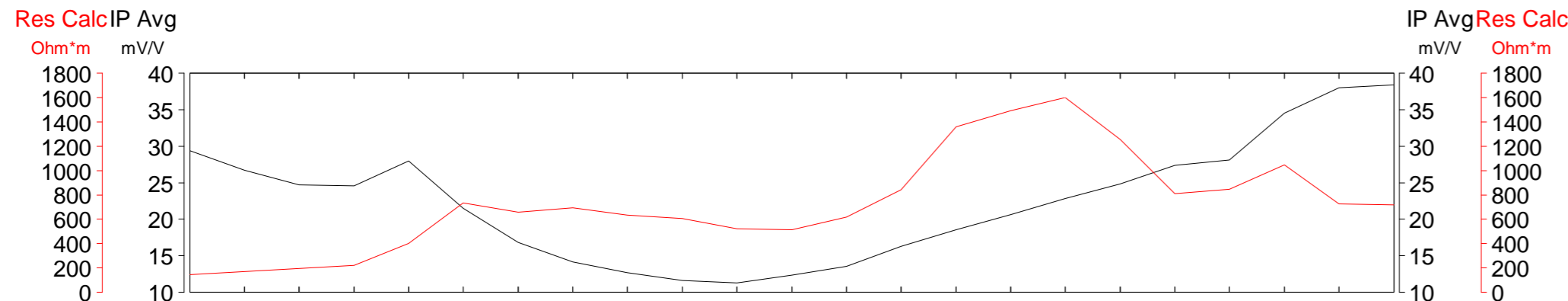
INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT

Date: JULY 2006  
Interpretation:

PETER E. WALCOTT & ASSOCIATES LIMITED





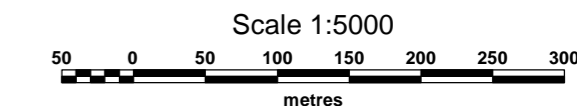


Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx  
 Frequency: 0.125 Hz.  
 Operators: A.C., S.P.

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

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- Resistivity feature.



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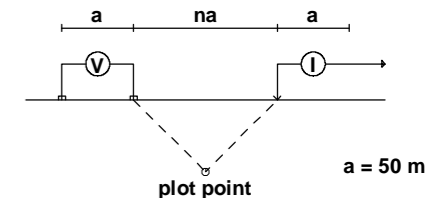
INDUCED POLARIZATION SURVEY  
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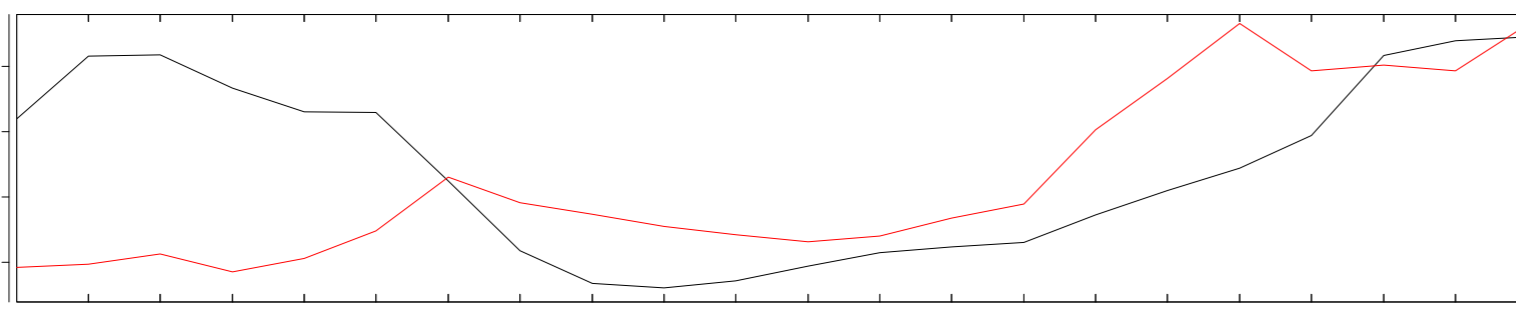
Dipole-Pole Array

Filter  
\*  
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\*\*\*\*  
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\*\*\*\*\*



Res Calc IP Avg

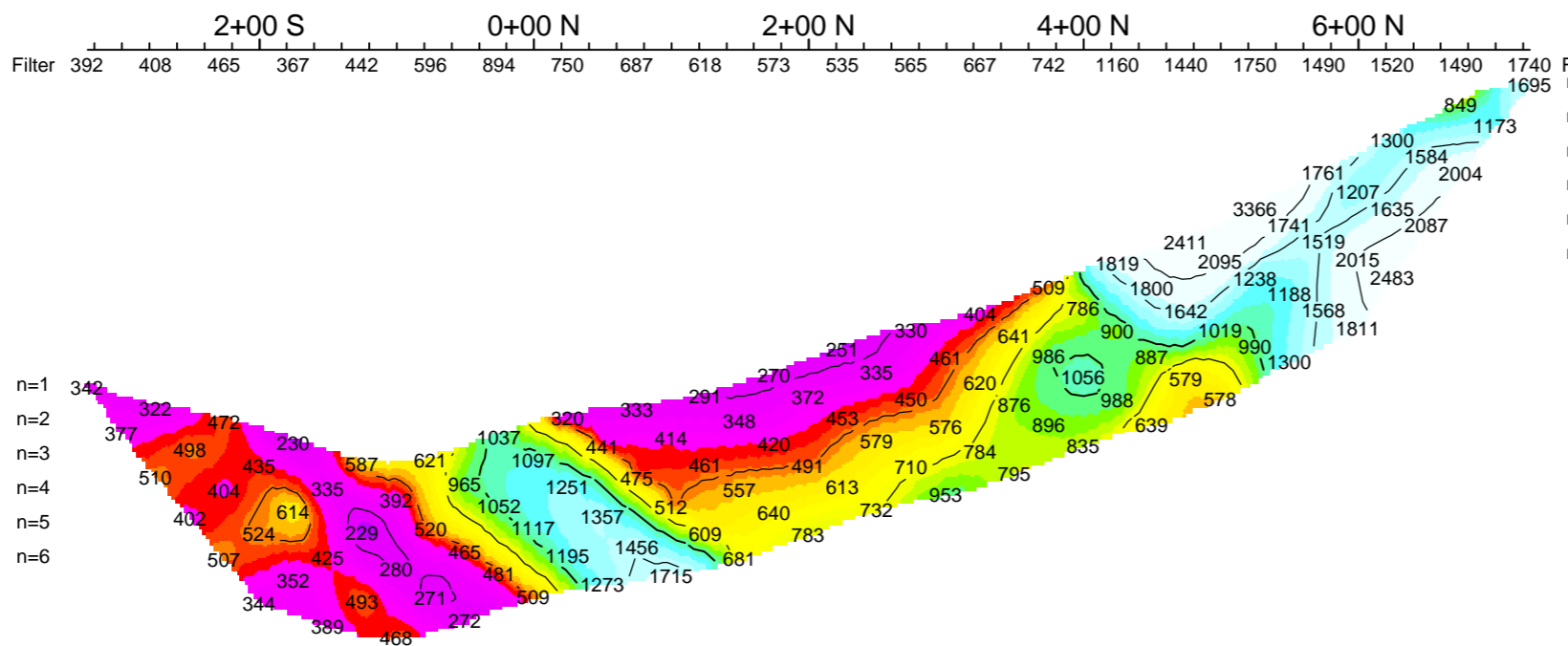
Ohm\*m mV/V  
1800 34  
1600 30  
1400 25  
1200 20  
1000 15  
800 12



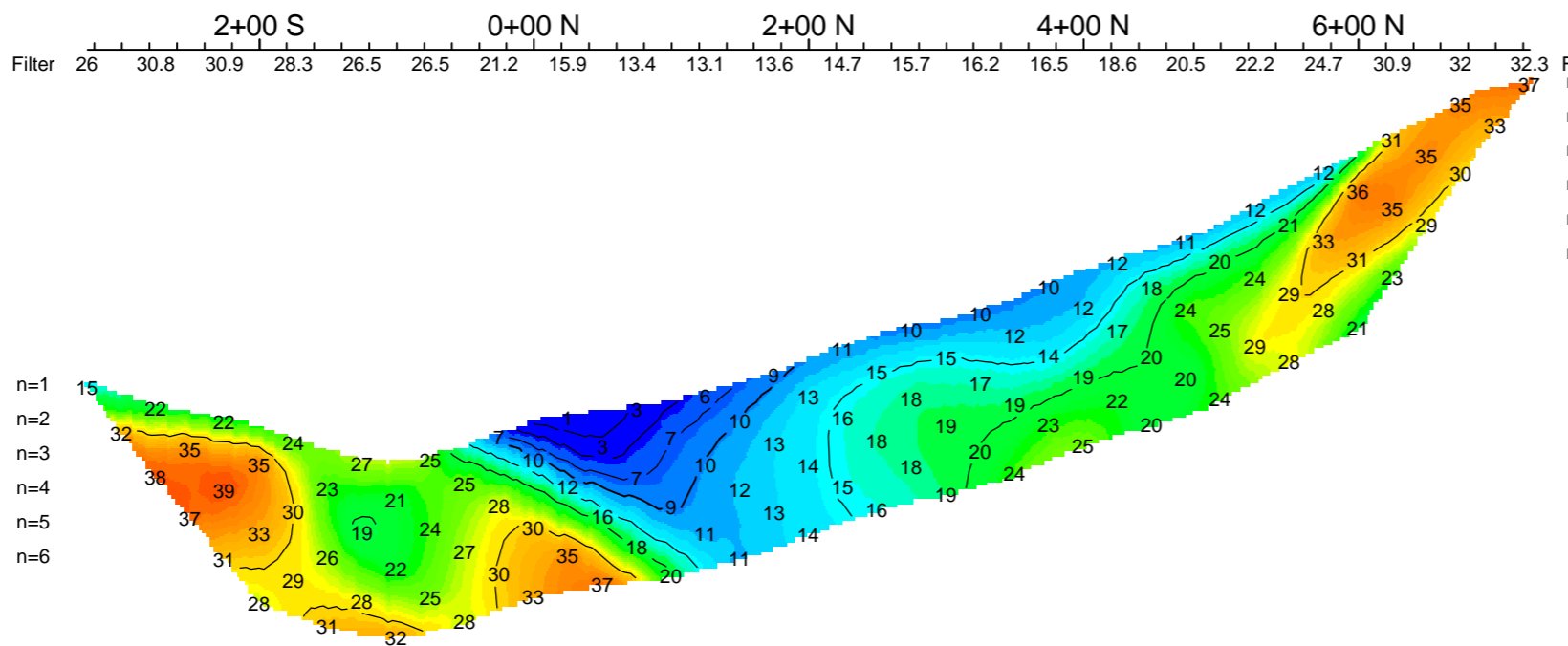
IP Avg Res Calc

mV/V Ohm\*m  
34 1800  
30 1600  
25 1400  
20 1200  
15 1000  
12 800

Calculated Resistivity Filter 392 408 465 367 442 596 894 750 687 618 573 535 565 667 742 1160 1440 1750 1490 1520 1490 1740 1695 Filter n=1 n=2 n=3 n=4 n=5 n=6



Average IP mV/V



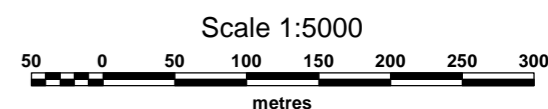
Average IP mV/V

Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx  
Frequency: 0.125 Hz.  
Operators: A.C., S.P.

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

INTERPRETATION

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- Resistivity feature.



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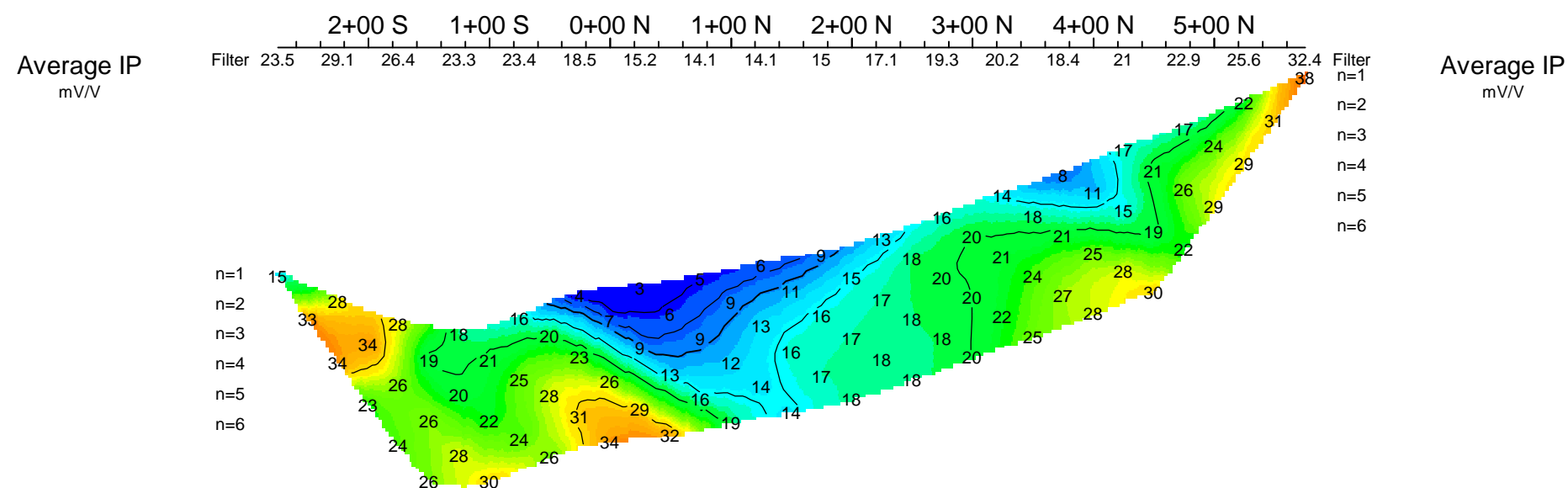
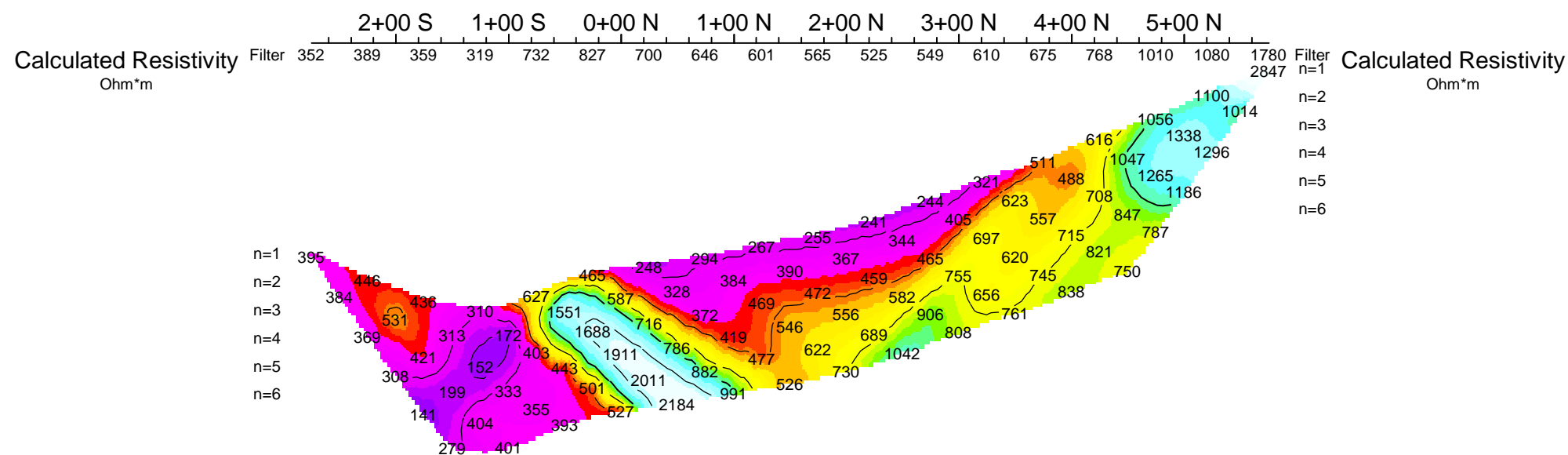
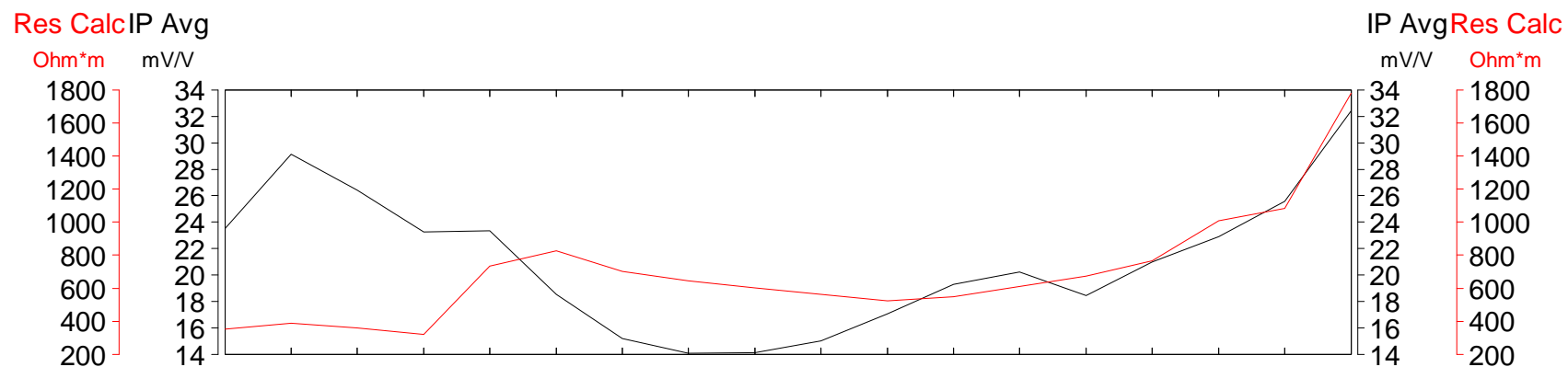
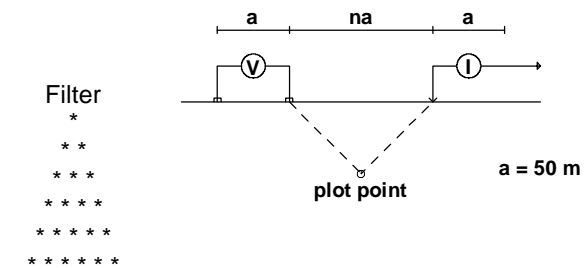
INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT

Date: JULY 2006  
Interpretation:

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15+00 E

Dipole-Pole Array

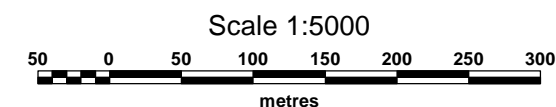


Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx  
 Frequency: 0.125 Hz.  
 Operators: A.C., S.P.

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

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- Resistivity feature.



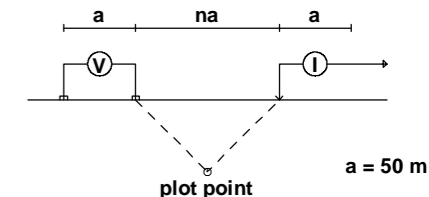
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INDUCED POLARIZATION SURVEY  
 COLES CREEK PROJECT

Date: JULY 2006  
 Interpretation:

PETER E. WALCOTT & ASSOCIATES LIMITED

Dipole-Pole Array

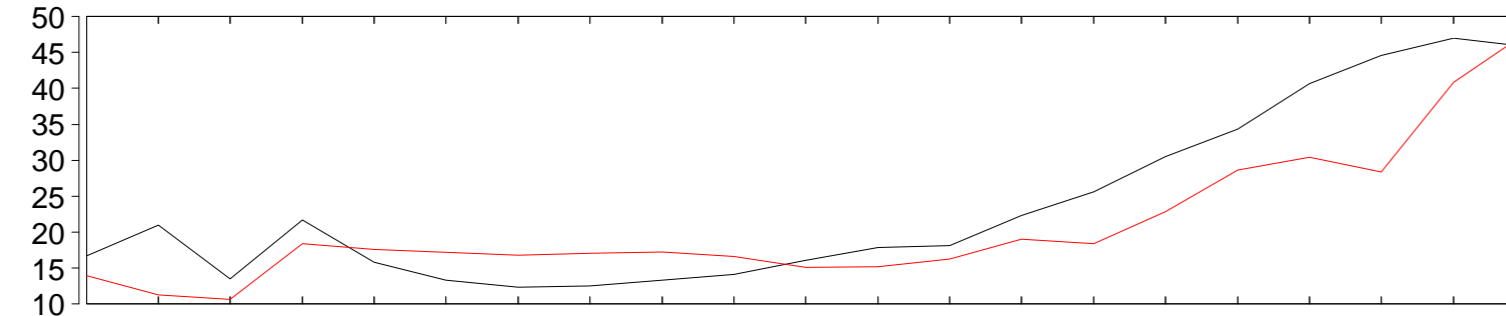


Filter  
\*  
\*\*  
\*\*\*  
\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*

a = 50 m

Res Calc IP Avg

Ohm\*m mV/V  
2400  
2200  
2000  
1800  
1600  
1400  
1200  
1000  
800  
600  
400



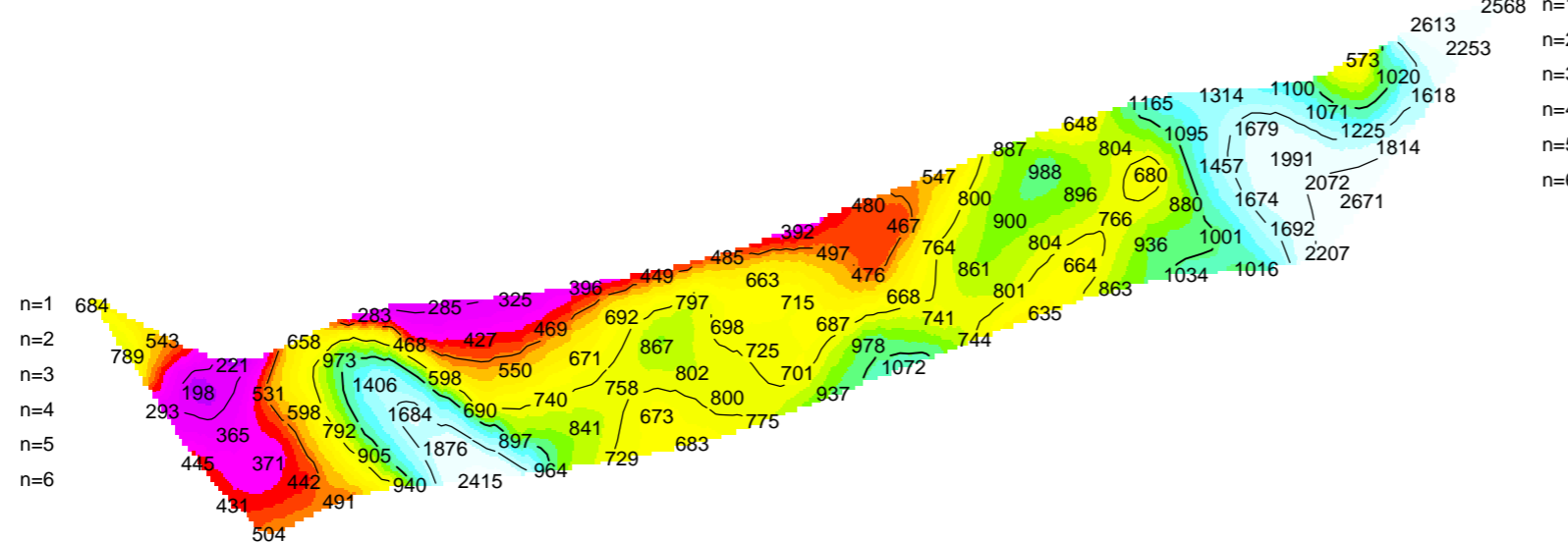
IP Avg Res Calc

mV/V Ohm\*m  
50  
45  
40  
35  
30  
25  
20  
15  
10

2+00 S 0+00 N 2+00 N 4+00 N 6+00 N  
Filter 595 461 430 819 780 760 737 754 760 729 654 660 710 852 820 1040 1330 1420 1320 1940 2280 2568

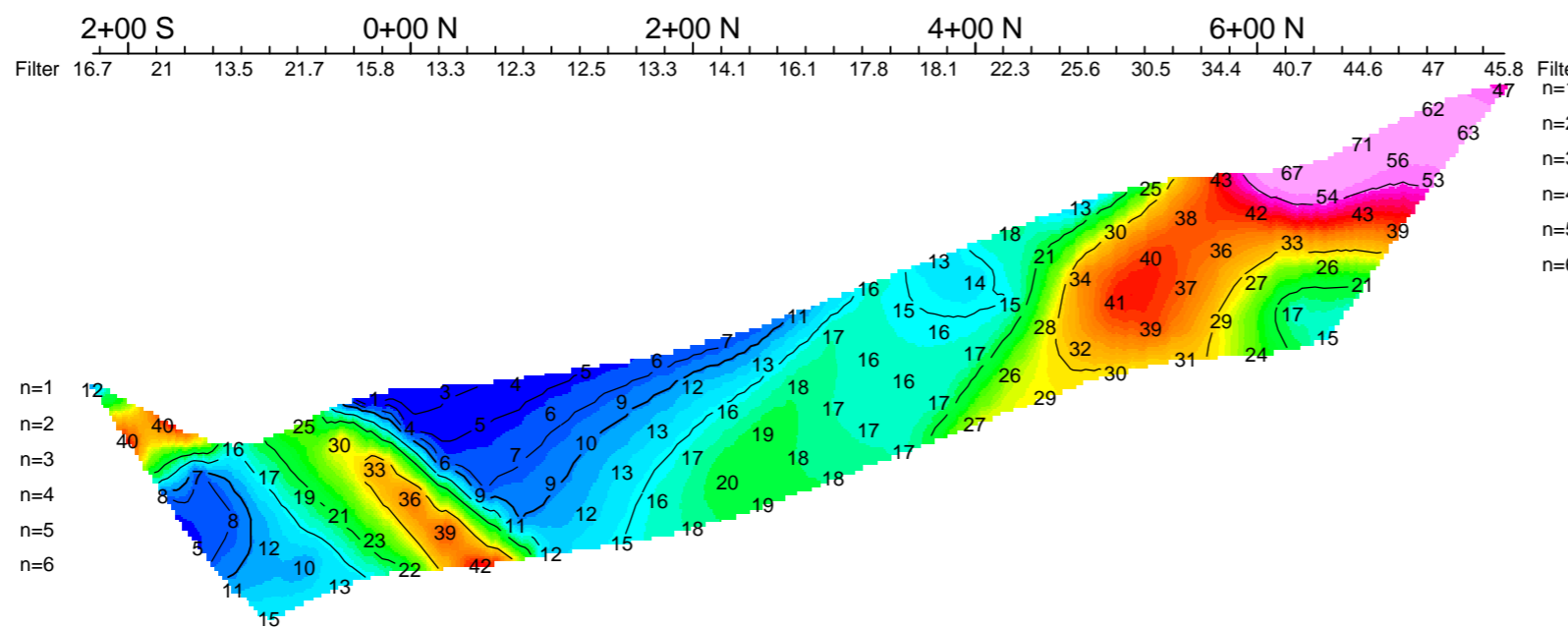
Calculated Resistivity  
Ohm\*m

Calculated Resistivity  
Ohm\*m



Filter  
n=1  
n=2  
n=3  
n=4  
n=5  
n=6

Average IP  
mV/V



Average IP  
mV/V

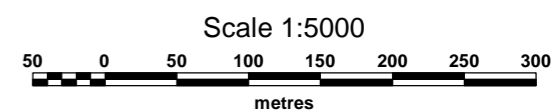
Filter  
n=1  
n=2  
n=3  
n=4  
n=5  
n=6

Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx  
Frequency: 0.125 Hz.  
Operators: A.C., S.P.

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

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- Resistivity feature.

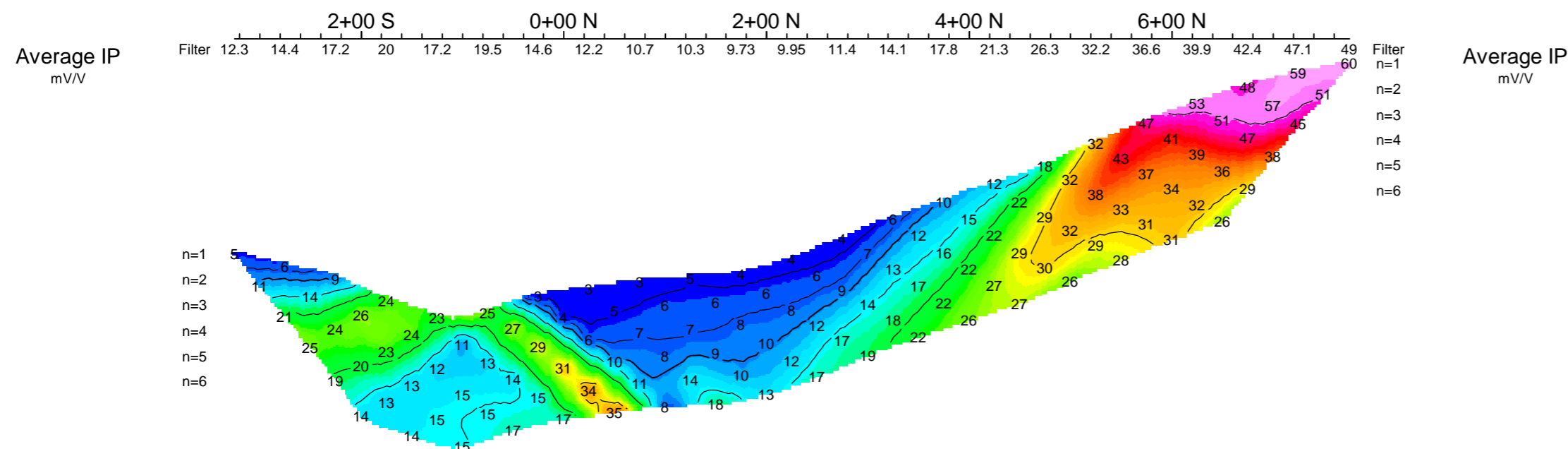
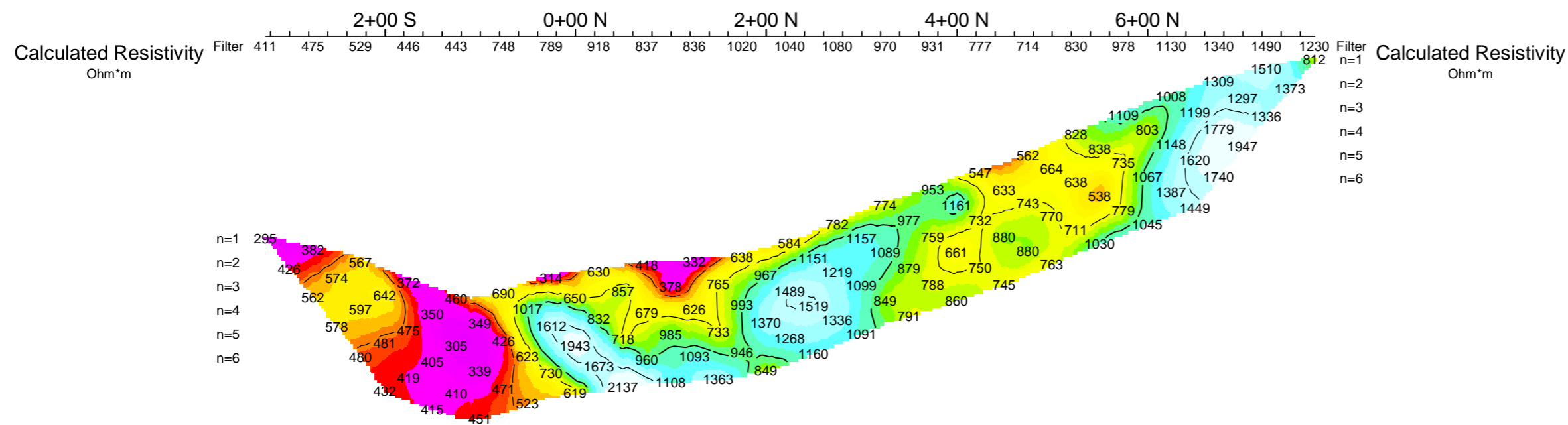
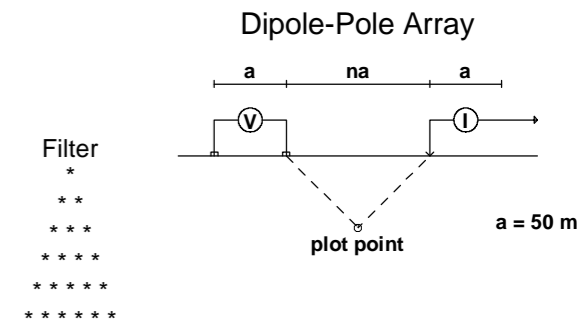
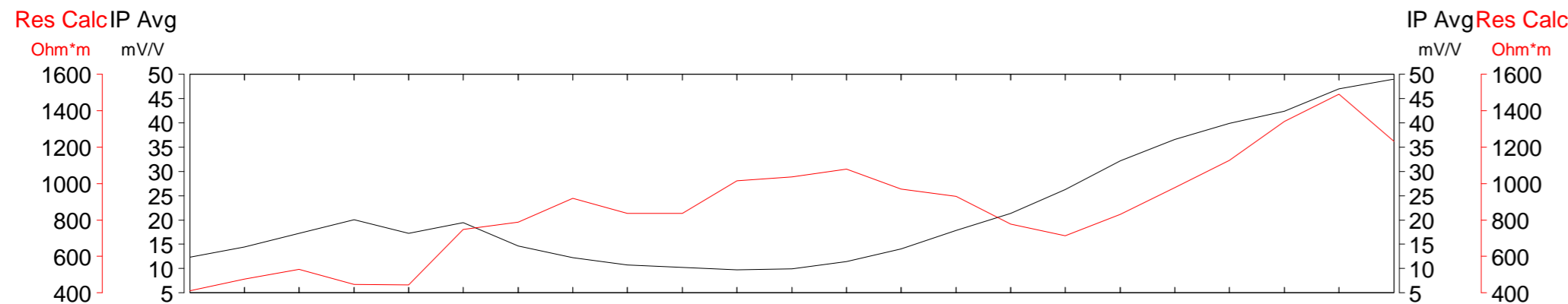


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INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT

Date: JULY 2006  
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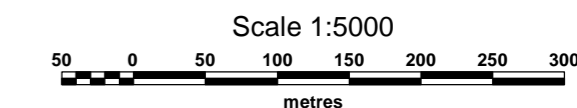


Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx  
 Frequency: 0.125 Hz.  
 Operators: A.C., S.P.

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

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- Resistivity feature.



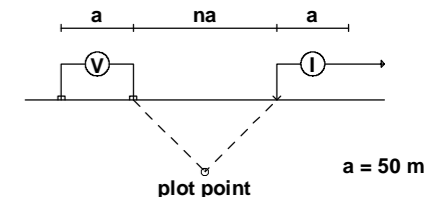
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INDUCED POLARIZATION SURVEY  
 COLES CREEK PROJECT

Date: JULY 2006  
 Interpretation:

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Dipole-Pole Array



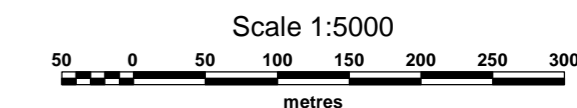
Filter  
\*  
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\*\*\*\*  
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\*\*\*\*\*

Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx  
Frequency: 0.125 Hz.  
Operators: A.C., S.P.

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

INTERPRETATION

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- Resistivity feature.



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INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT

Date: JULY 2006  
Interpretation:

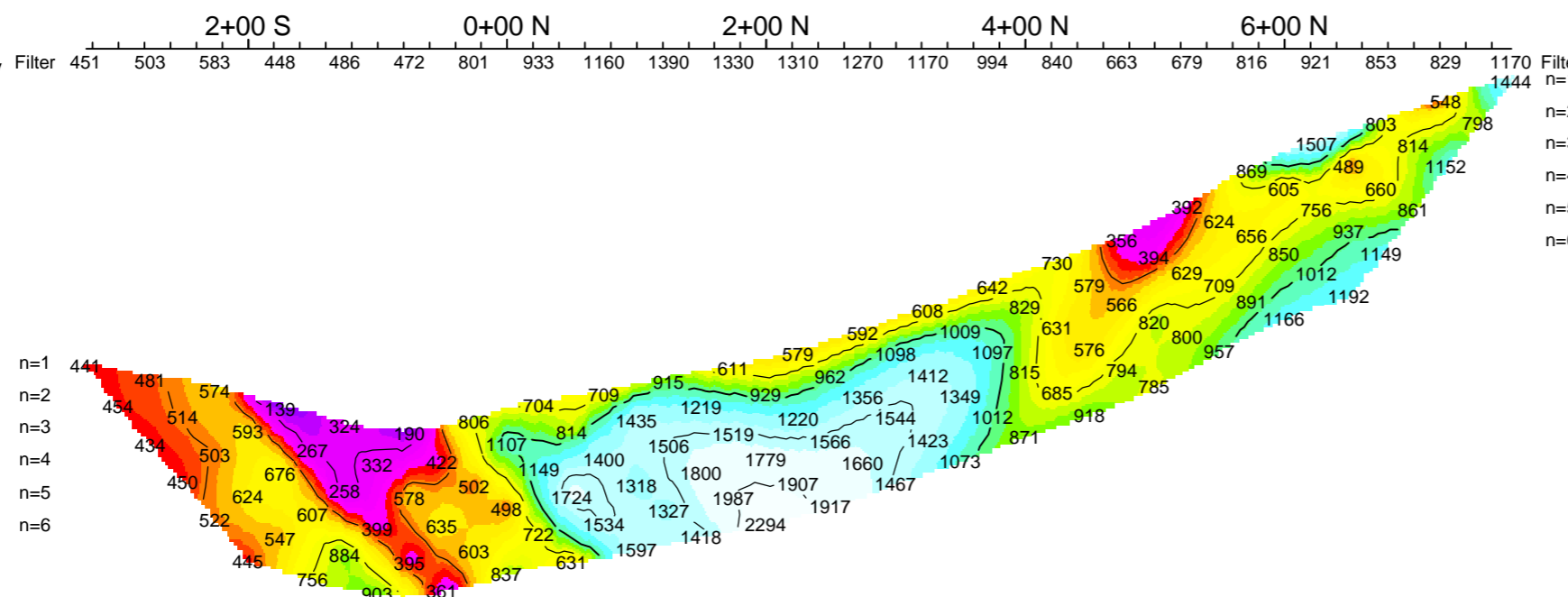
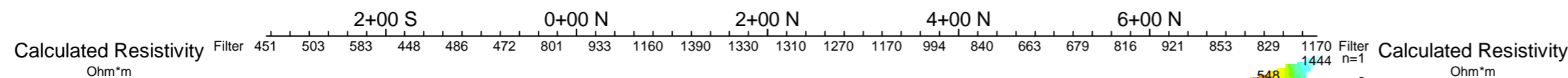
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Res Calc IP Avg

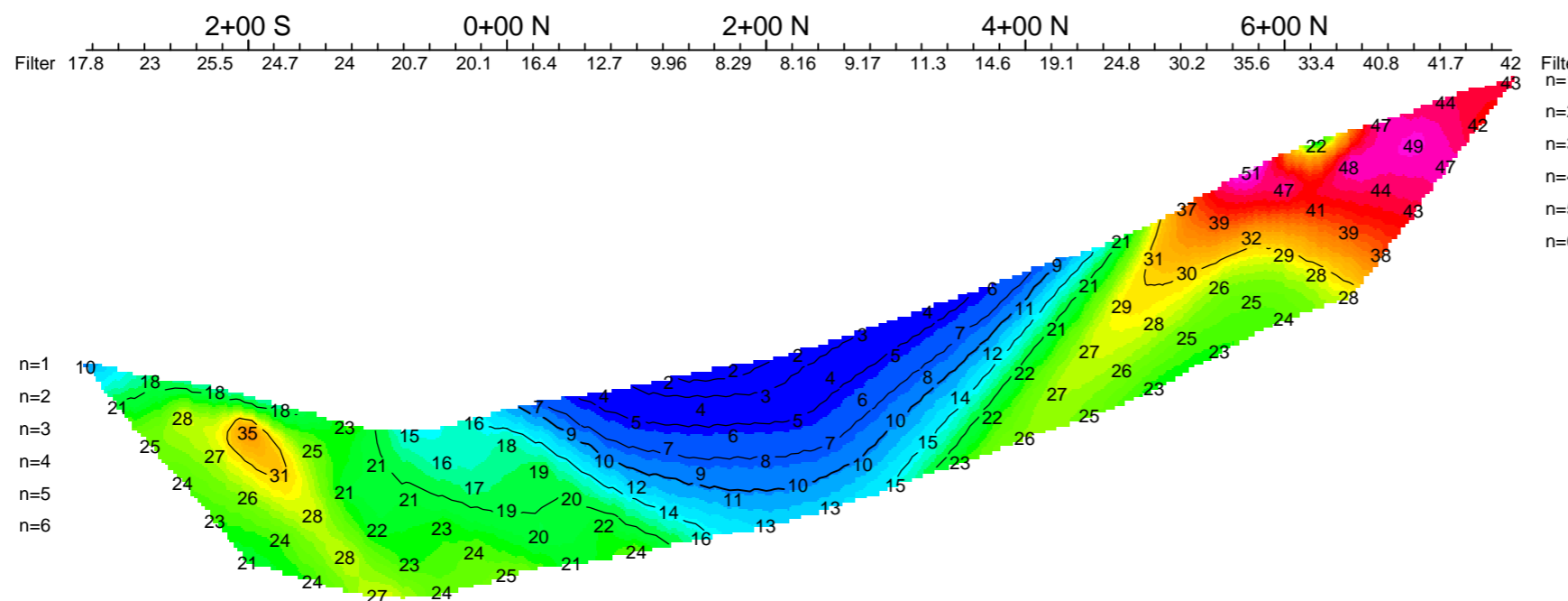
Ohm\*m mV/V  
1400 45  
1200 40  
1000 35  
800 30  
600 25  
400 20  
400 10  
5 5

IP Avg Res Calc

mV/V Ohm\*m  
45 1400  
40 1200  
35 1000  
30 800  
25 600  
20 400  
15 400  
10 400  
5 400



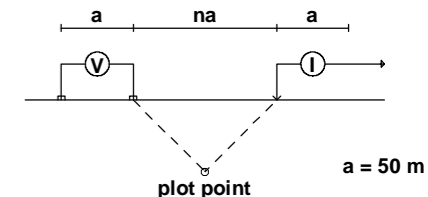
Average IP  
mV/V



Average IP  
mV/V



Dipole-Pole Array



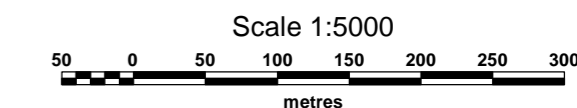
Filter  
\*  
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\*\*\*\*  
\*\*\*\*\*  
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Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx  
Frequency: 0.125 Hz.  
Operators: A.C., S.P.

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

INTERPRETATION

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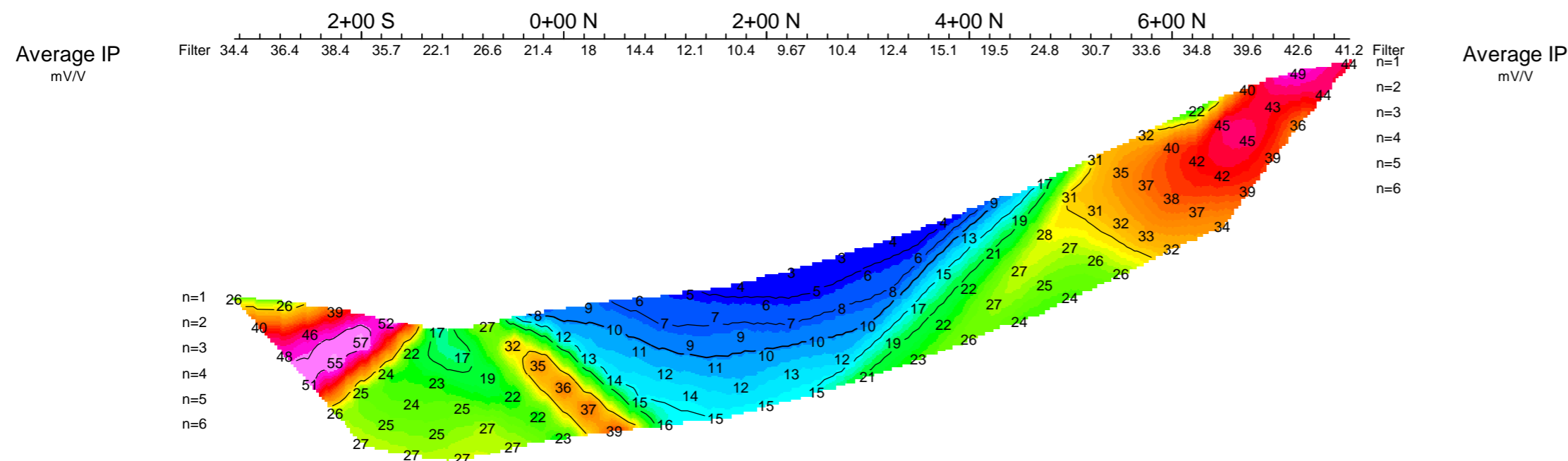
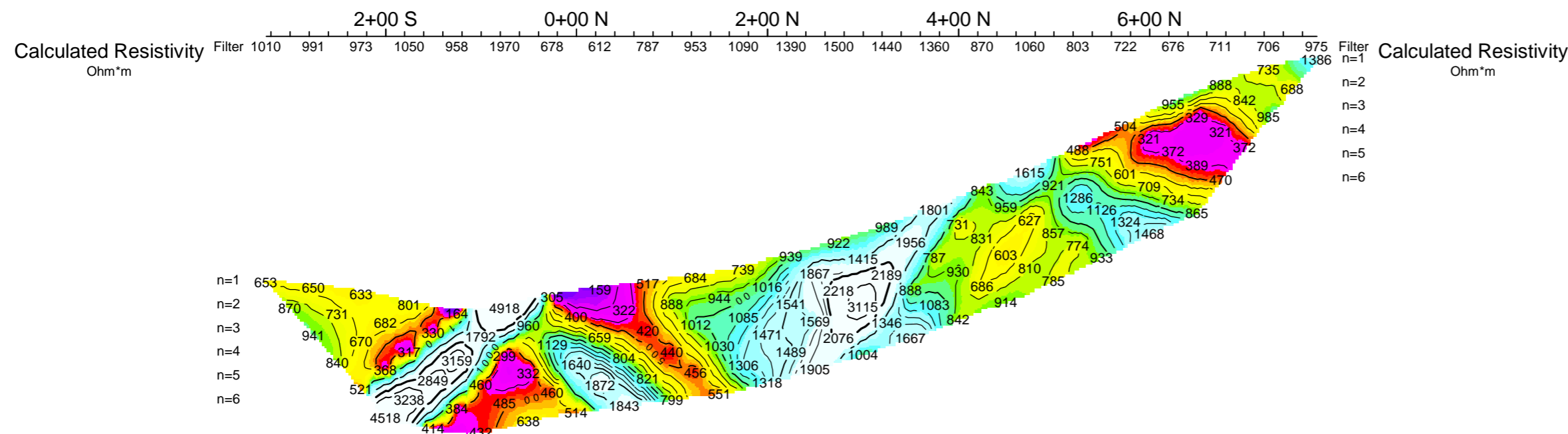
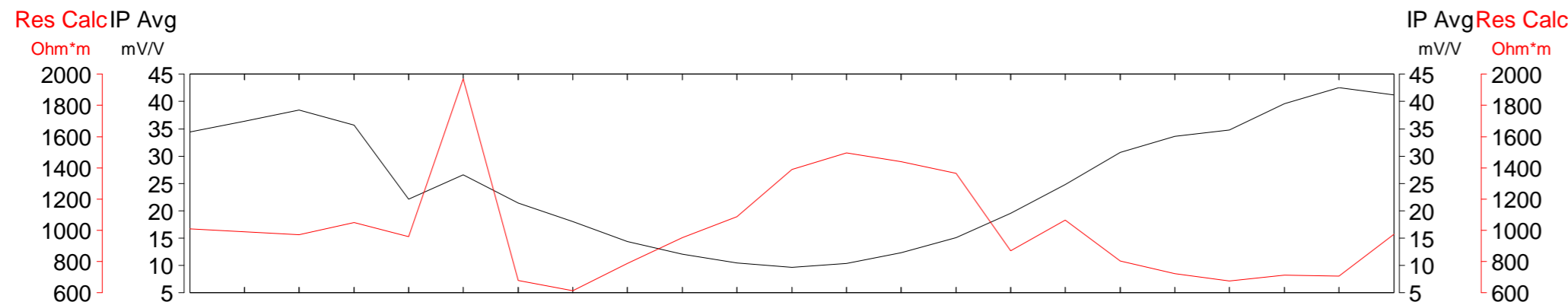


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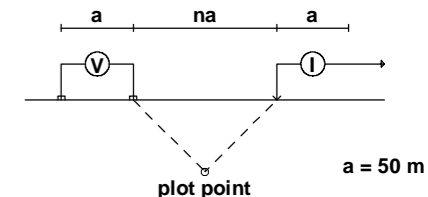
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COLES CREEK PROJECT

Date: JULY 2006  
Interpretation:

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Dipole-Pole Array



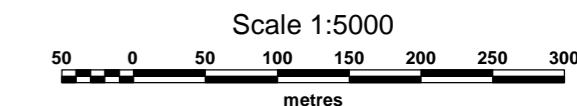
Filter  
\*  
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\*\*\*\*  
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\*\*\*\*\*

Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx  
Frequency: 0.125 Hz.  
Operators: A.C., S.P.

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

INTERPRETATION

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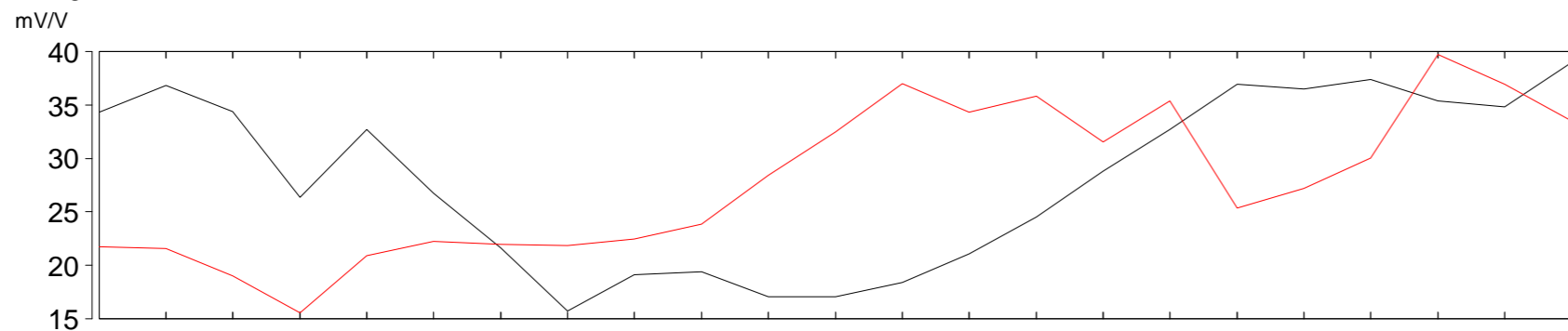
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Date: JULY 2006  
Interpretation:

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Res Calc  
Ohm\*m  
1400  
1200  
1000  
800  
600  
400  
200



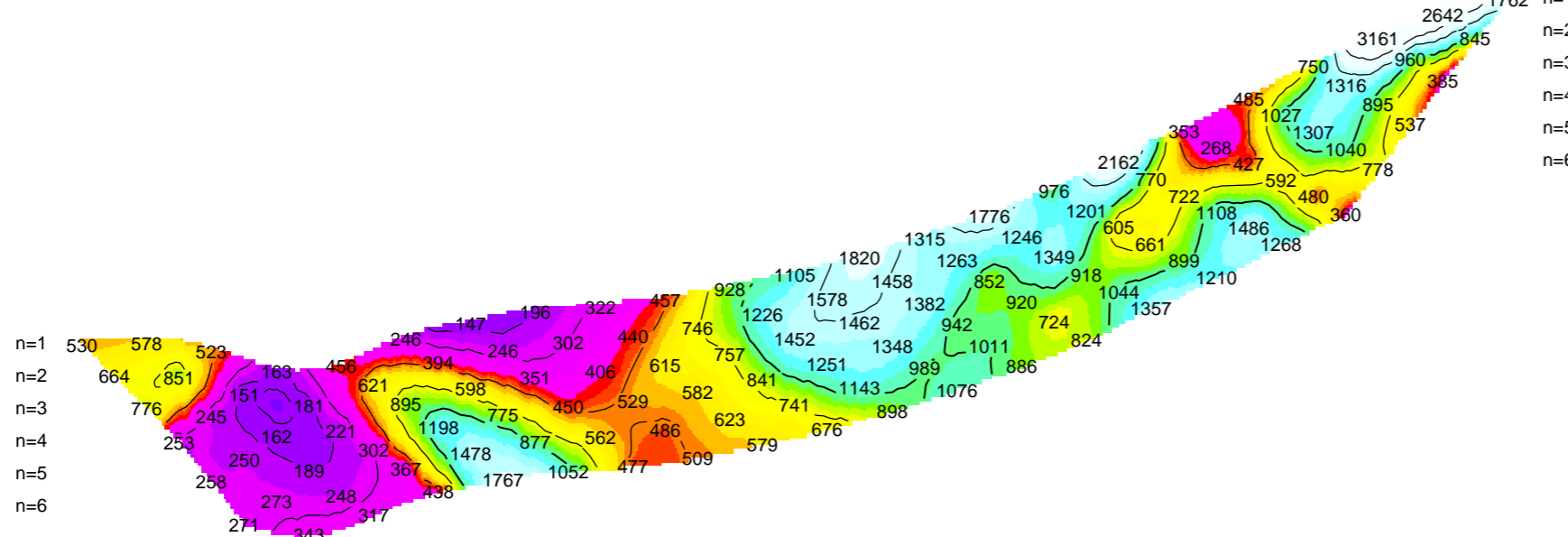
IP Avg  
mV/V  
40  
35  
30  
25  
20  
15

Calculated Resistivity  
Ohm\*m

Filter 523 515 392 228 483 548 534 529 557 624 844 1040 1260 1130 1200 995 1180 698 784 923 1390 1250 1090

Calculated Resistivity  
Ohm\*m

Filter  
n=1  
n=2  
n=3  
n=4  
n=5  
n=6

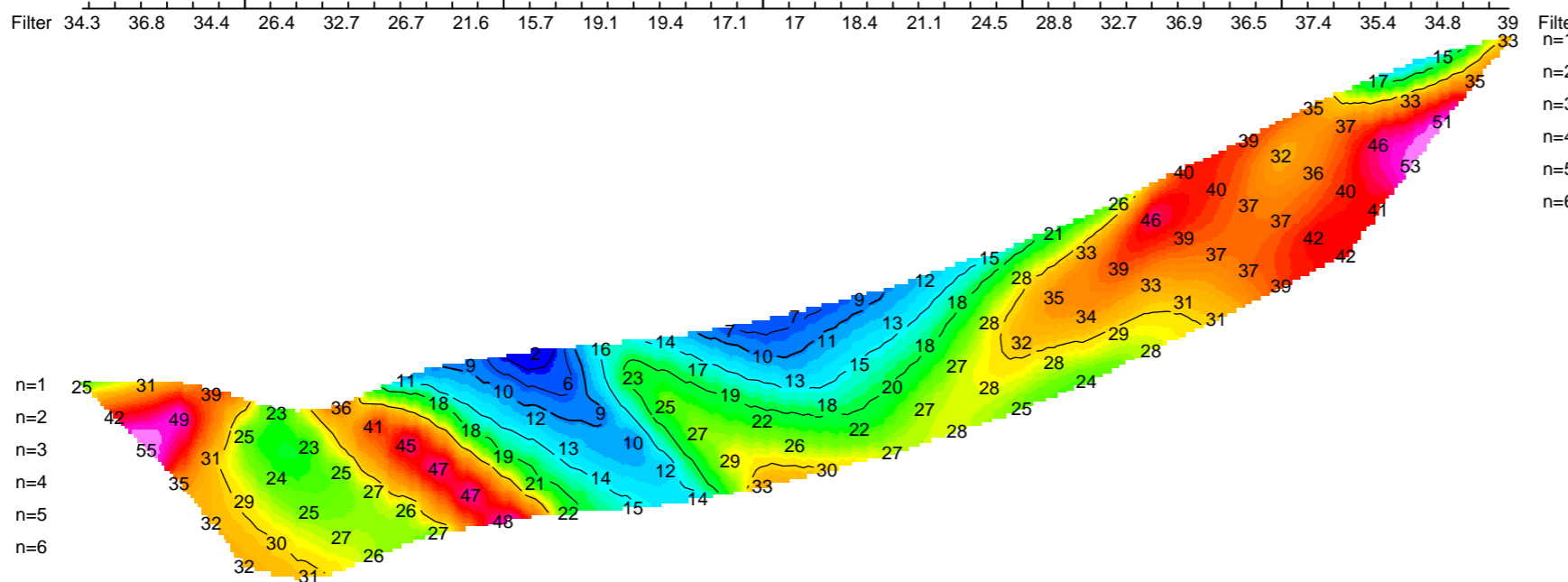


Average IP  
mV/V

Filter 34.3 36.8 34.4 26.4 32.7 26.7 21.6 15.7 19.1 19.4 17.1 18.4 21.1 24.5 28.8 32.7 36.9 36.5 37.4 35.4 34.8 39

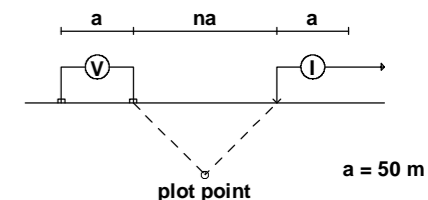
Average IP  
mV/V

Filter  
n=1  
n=2  
n=3  
n=4  
n=5  
n=6





Dipole-Pole Array



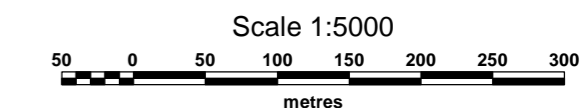
Filter  
\*  
\*\*  
\*\*\*  
\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*

Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx  
Frequency: 0.125 Hz.  
Operators: A.C., S.P.

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

INTERPRETATION

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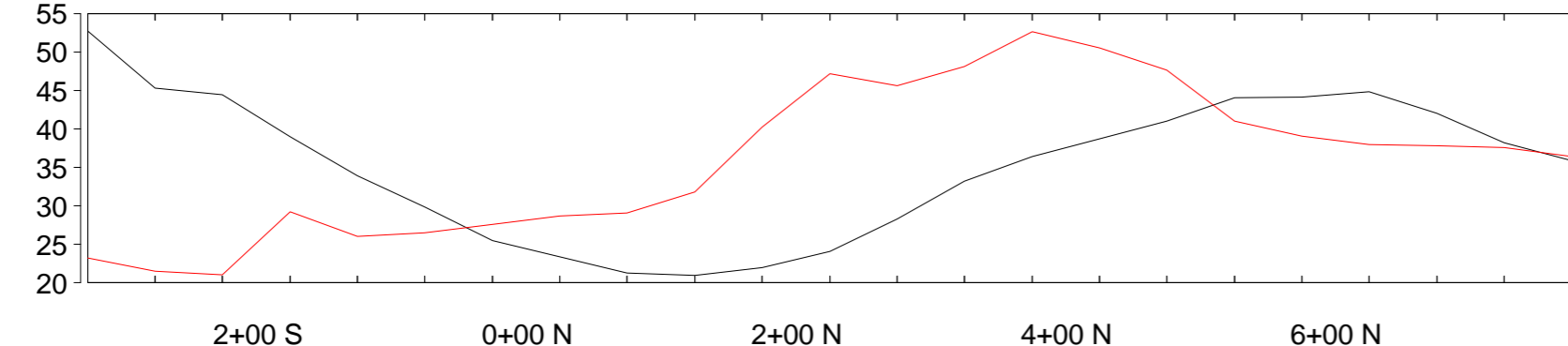
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COLES CREEK PROJECT

Date: JULY 2006  
Interpretation:

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Res Calc IP Avg

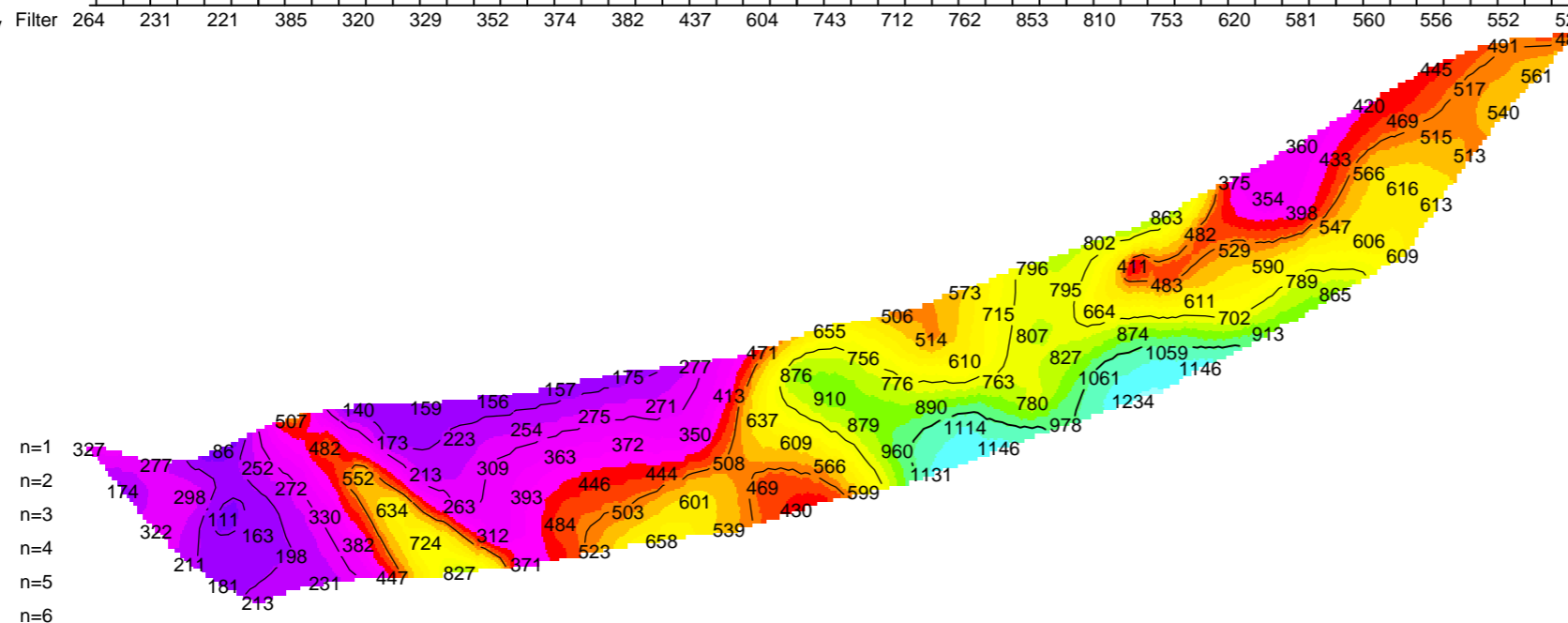
Ohm\*m  
mV/V



IP Avg Res Calc

mV/V  
Ohm\*m

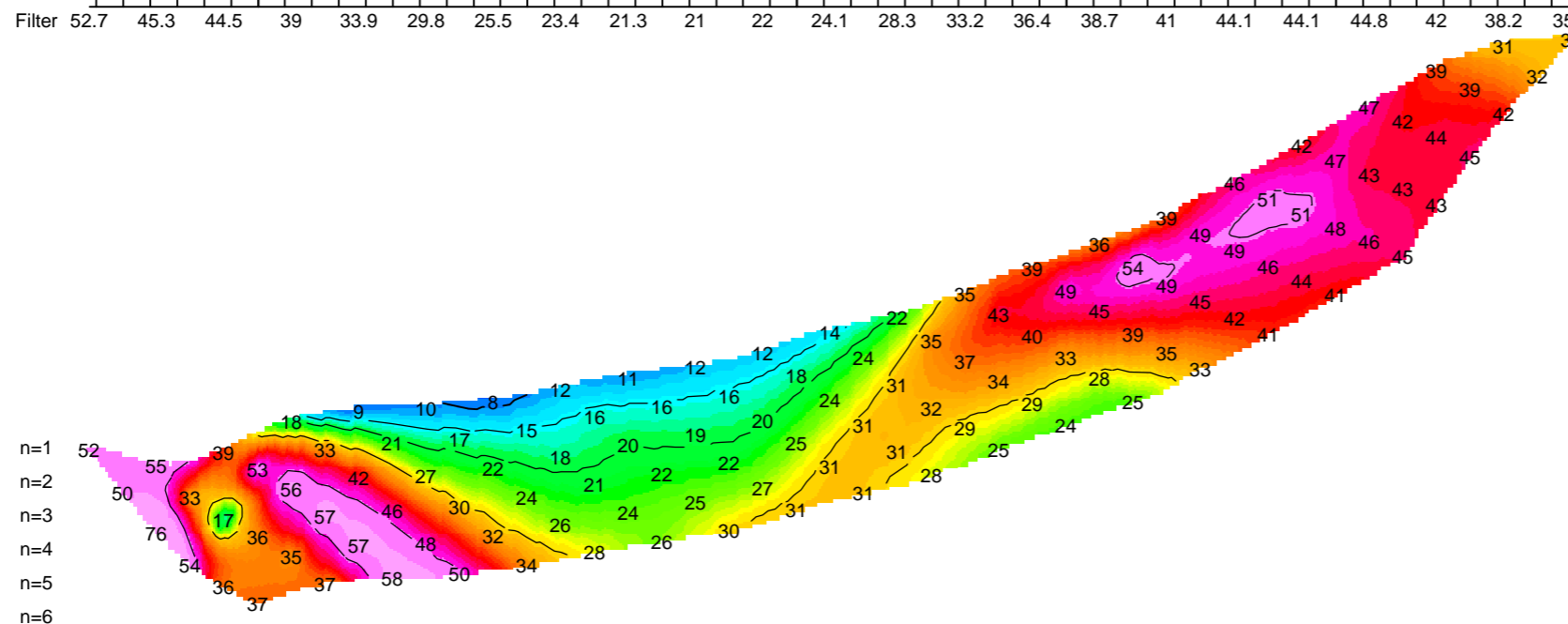
Calculated Resistivity  
Ohm\*m



Calculated Resistivity  
Ohm\*m

Filter  
n=1  
n=2  
n=3  
n=4  
n=5  
n=6

Average IP  
mV/V

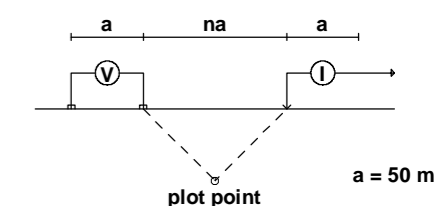


Average IP  
mV/V

Filter  
n=1  
n=2  
n=3  
n=4  
n=5  
n=6

Dipole-Pole Array

Filter  
\*  
\*\*  
\*\*\*  
\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*



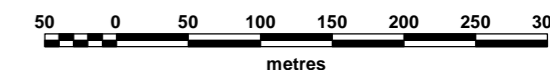
Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx  
Frequency: 0.125 Hz.  
Operators: A.C., S.P.

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

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- Resistivity feature.

Scale 1:5000

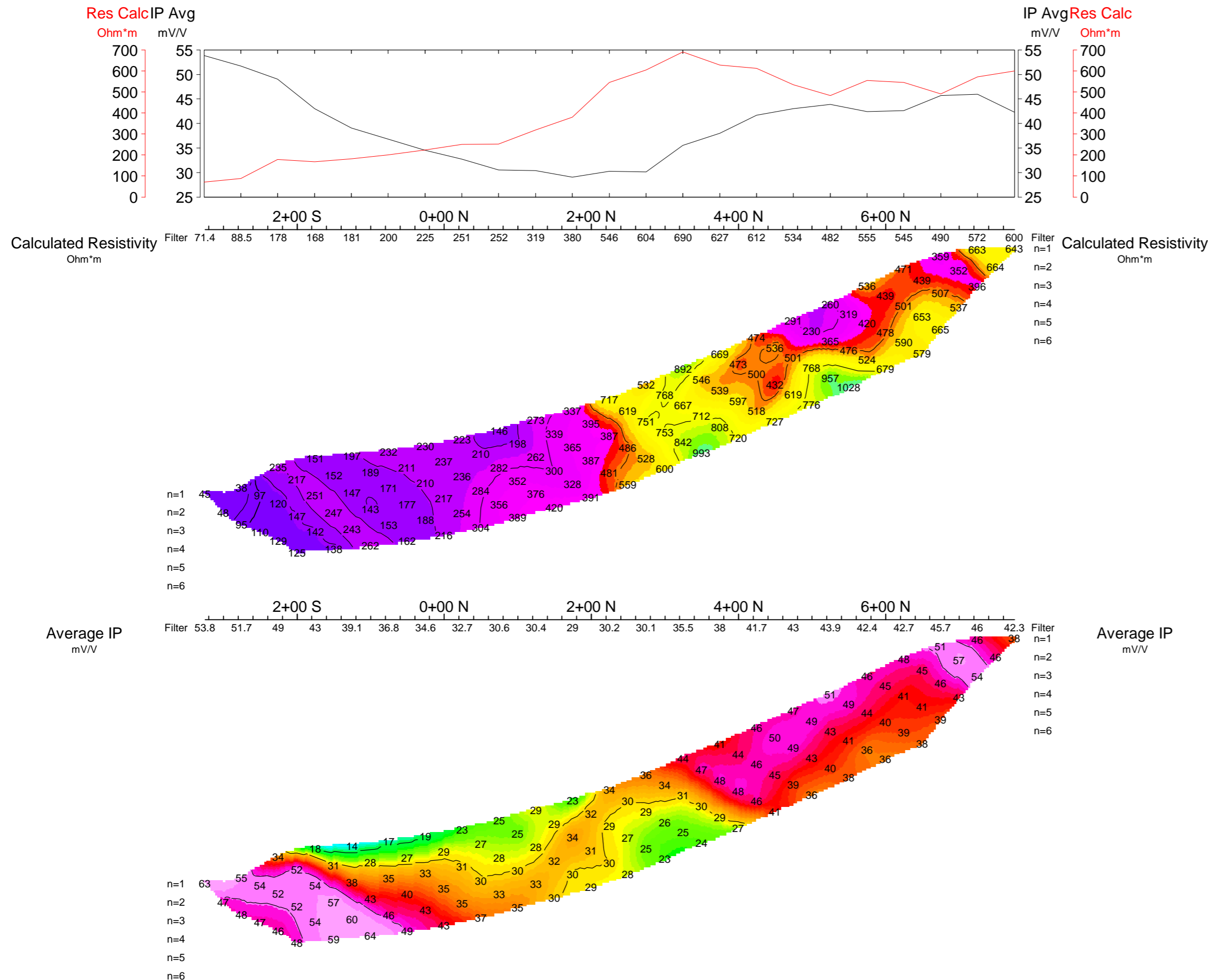


CALLINAN MINES LIMITED

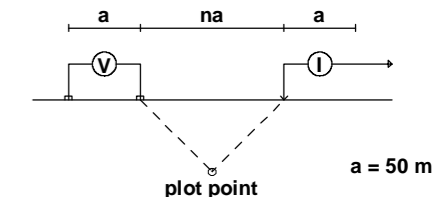
INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT

Date: JULY 2006  
Interpretation:

PETER E. WALCOTT & ASSOCIATES LIMITED



Dipole-Pole Array



- Filter
- \*
  - \*\*
  - \*\*\*
  - \*\*\*\*
  - \*\*\*\*\*
  - \*\*\*\*\*

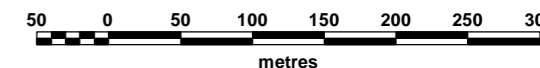
Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx  
 Frequency: 0.125 Hz.  
 Operators: A.C., S.P.

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

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- Resistivity feature.

Scale 1:5000

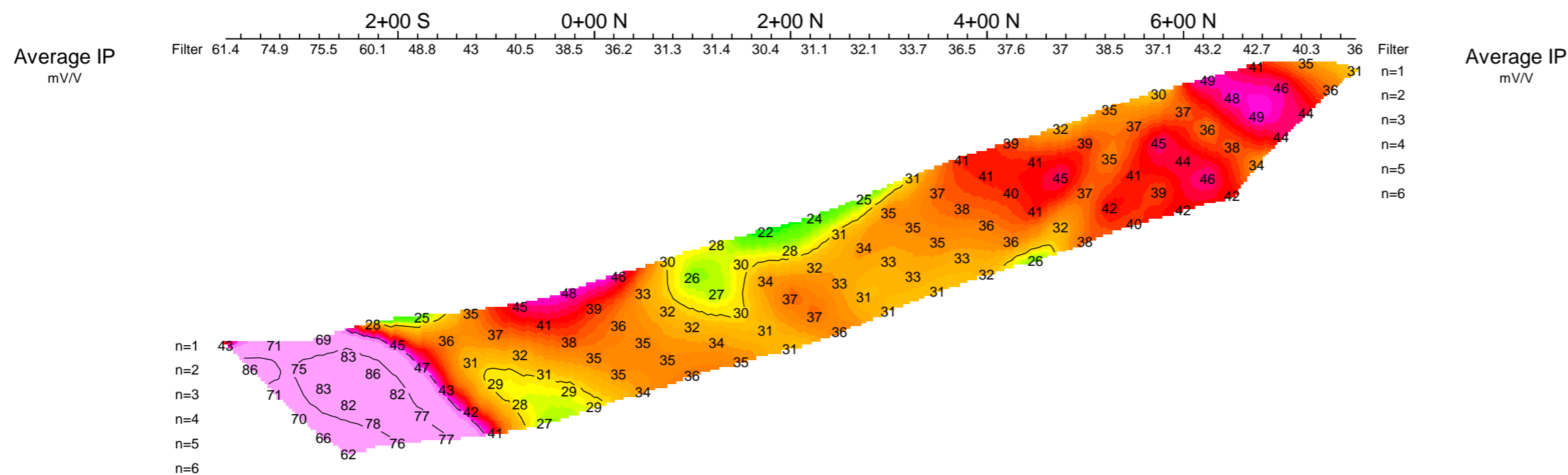
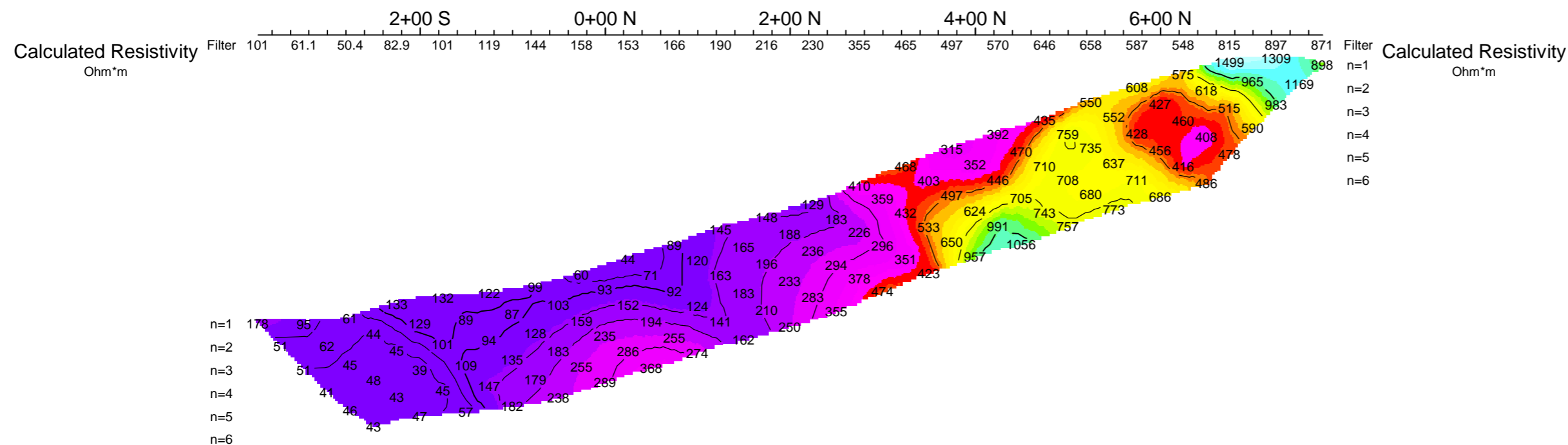
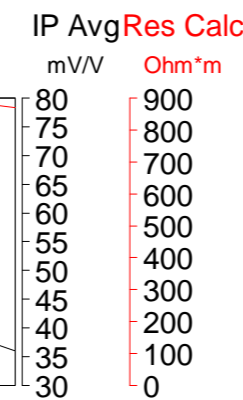
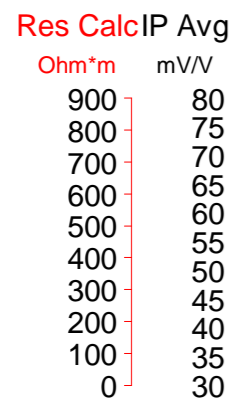


CALLINAN MINES LIMITED

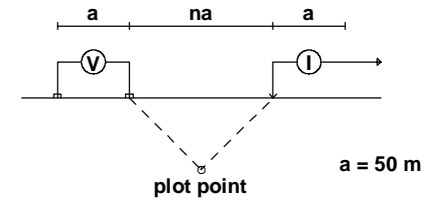
INDUCED POLARIZATION SURVEY  
 COLES CREEK PROJECT

Date: JULY 2006  
 Interpretation:

PETER E. WALCOTT & ASSOCIATES LIMITED



Dipole-Pole Array



Filter  
\*  
\*\*  
\*\*\*  
\*\*\*\*  
\*\*\*\*\*  
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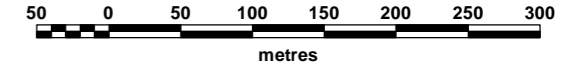
Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx  
Frequency: 0.125 Hz.  
Operators: A.C., S.P.

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

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
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Scale 1:5000



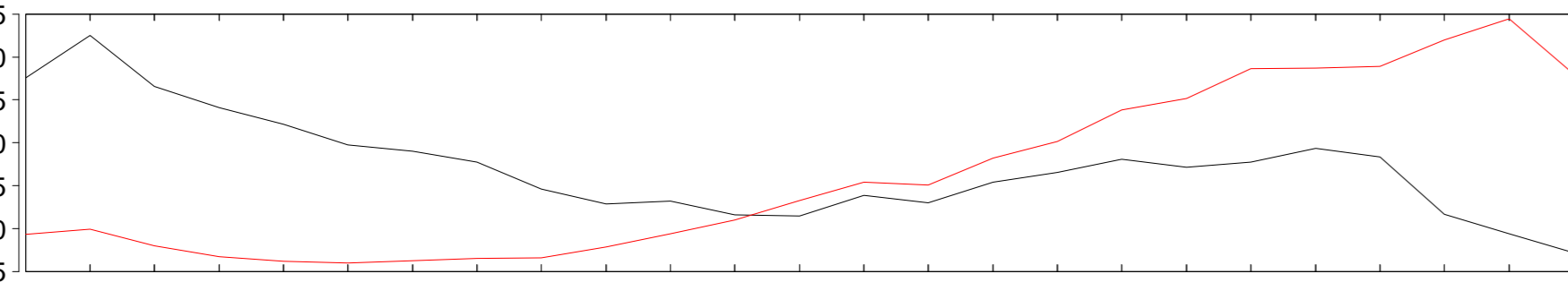
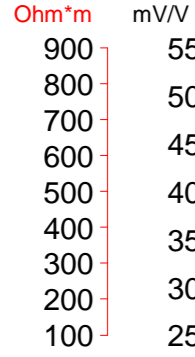
CALLINAN MINES LIMITED

INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT

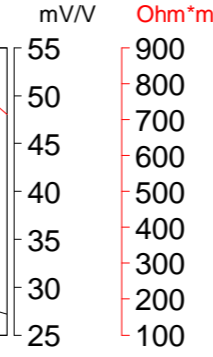
Date: JULY 2006  
Interpretation:

PETER E. WALCOTT & ASSOCIATES LIMITED

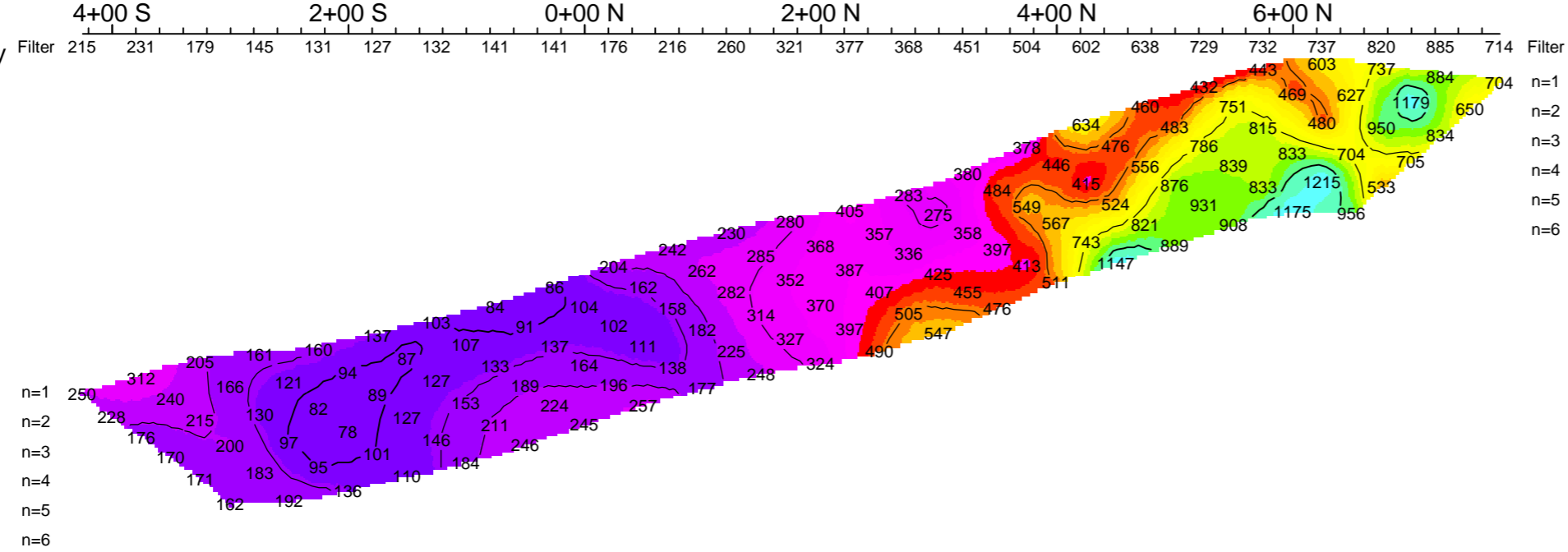
Res Calc IP Avg



IP Avg Res Calc

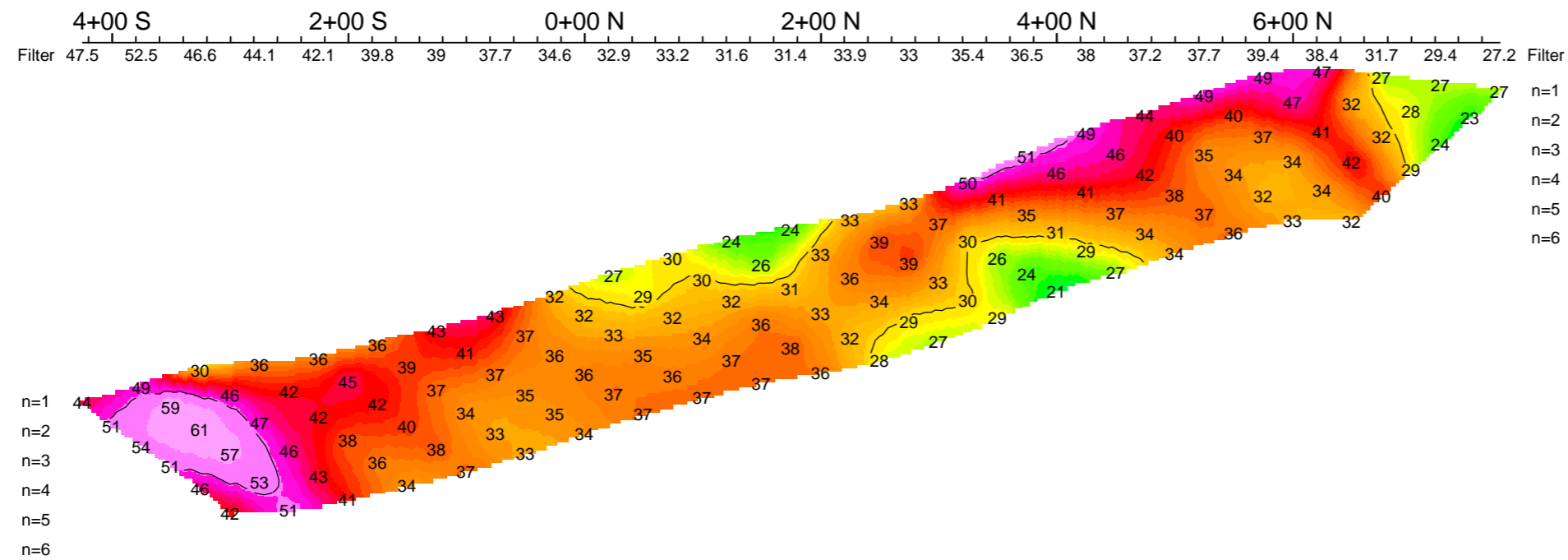


Calculated Resistivity  
Ohm\*m



Calculated Resistivity  
Ohm\*m

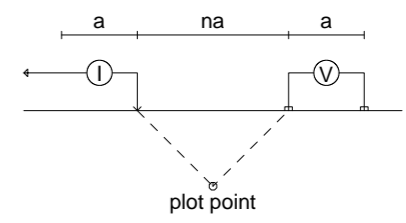
Average IP  
mV/V



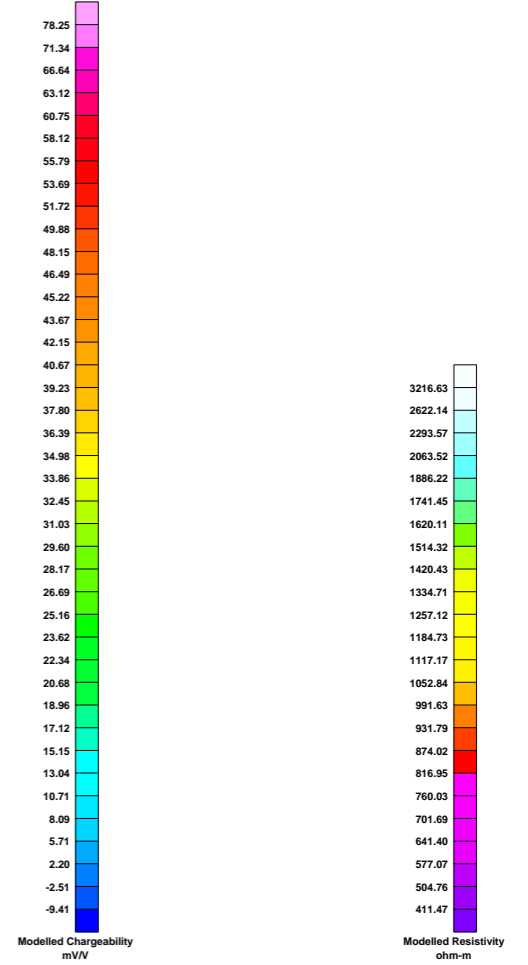
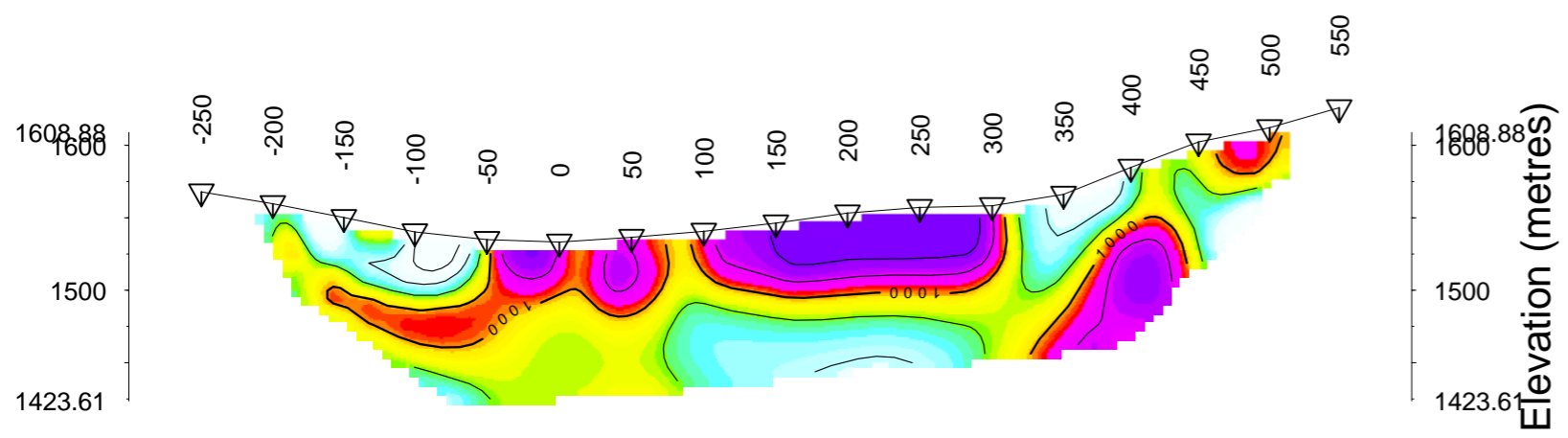
Average IP  
mV/V

Line 150

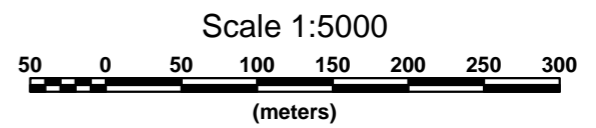
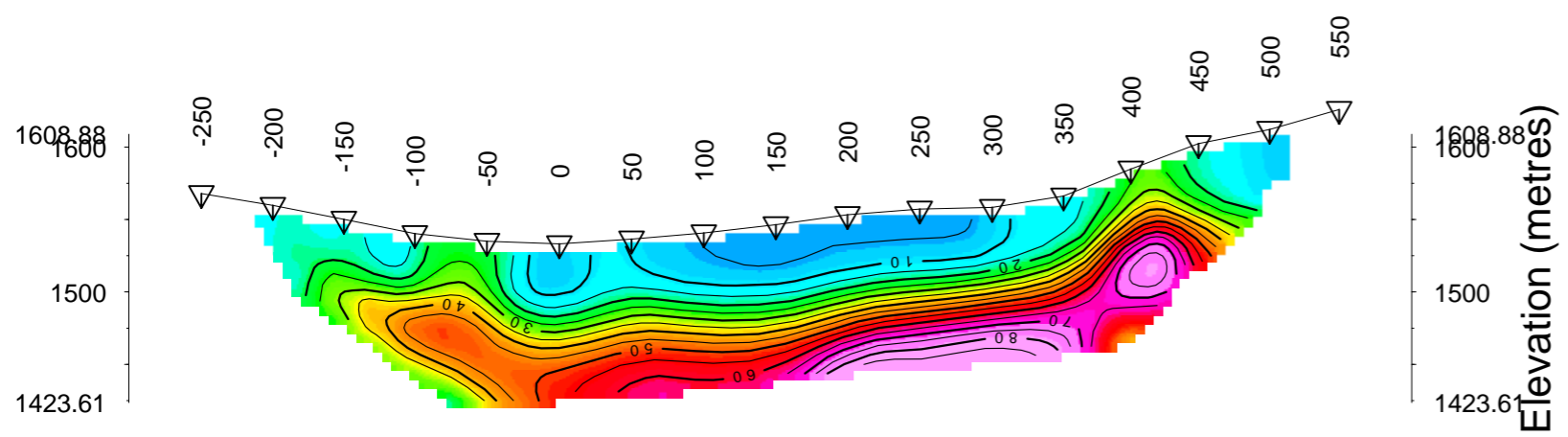
Pole-Dipole Array



Modelled Resistivity (Ohm-m)



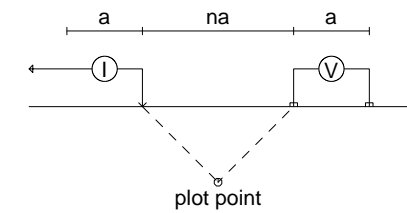
Modelled Chargeability (mV/V)



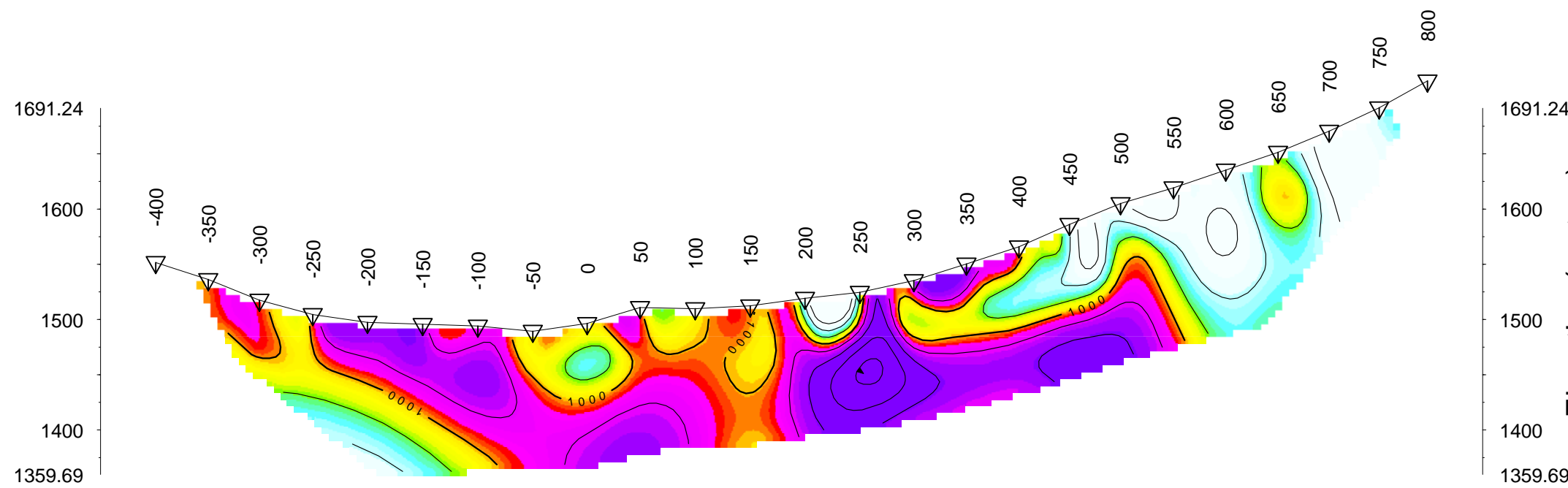
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**INDUCED POLARIZATION SURVEY**  
**COLES CREEK PROJECT**  
**BRITISH COLUMBIA**  
 INVERSION DATE: AUGUST 2006, RES2DINV  
**PETER E. WALCOTT & ASSOCIATES LIMITED**

Line 300

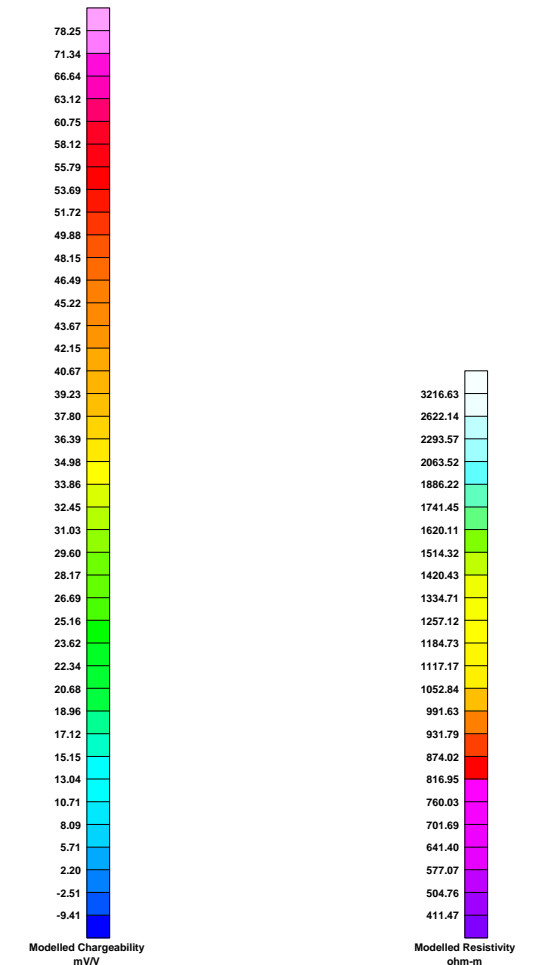
Pole-Dipole Array



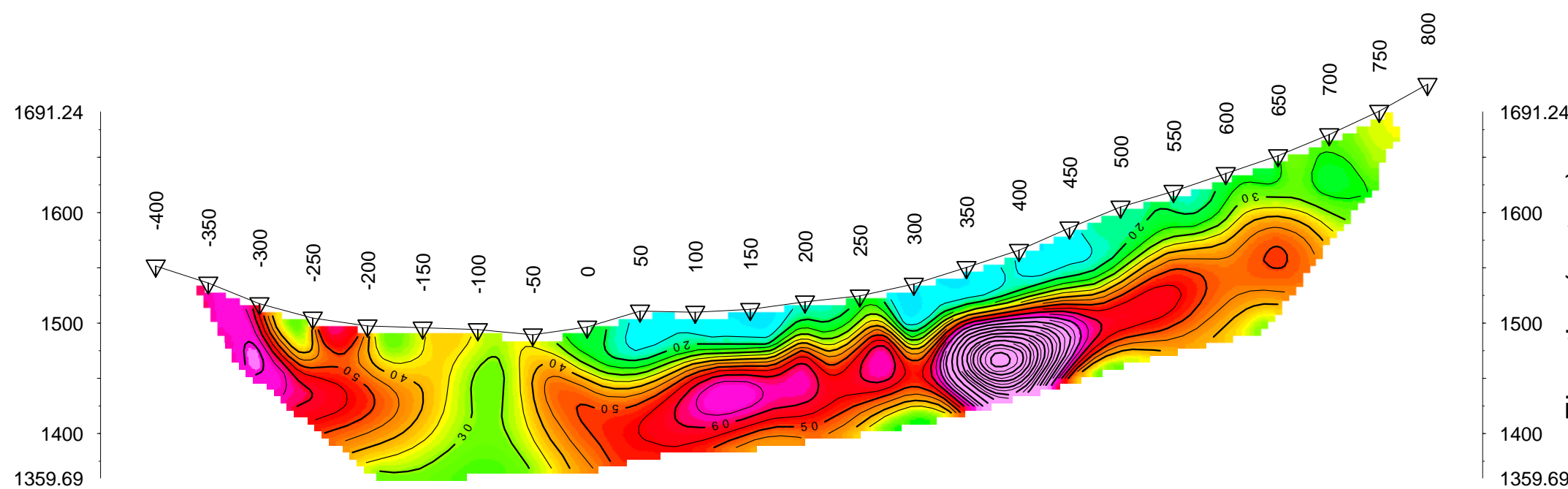
Modelled Resistivity (Ohm-m)



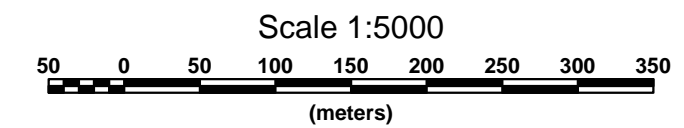
Elevation (metres)



Modelled Chargeability (mV/V)



Elevation (metres)

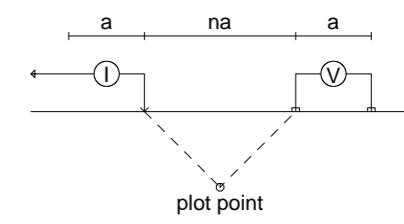


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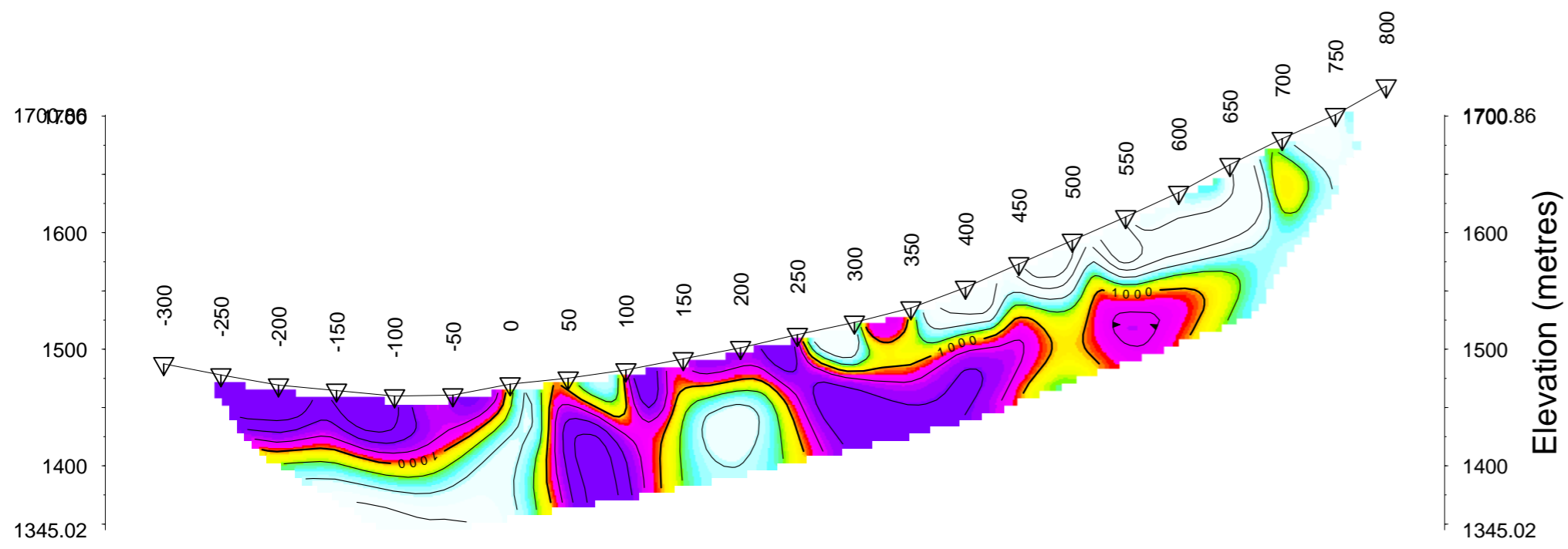


Line 450

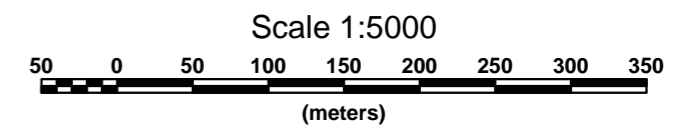
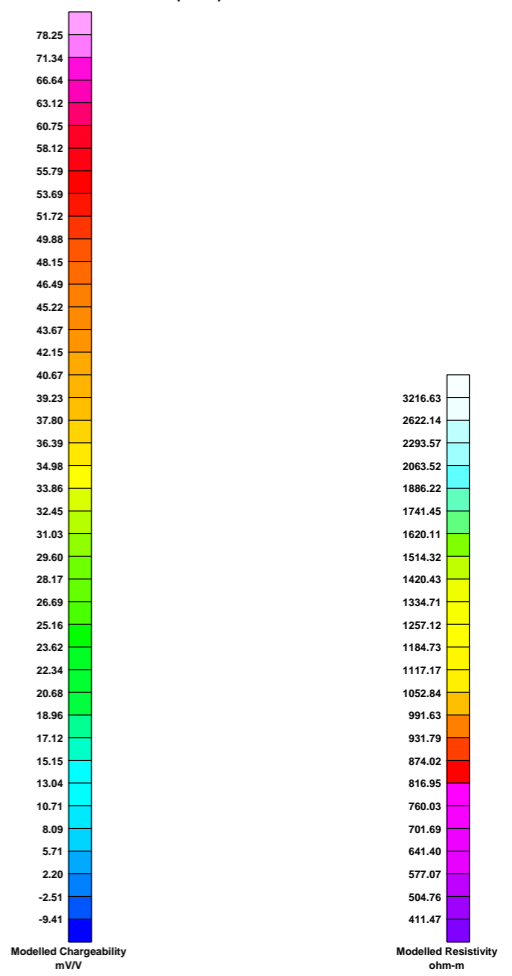
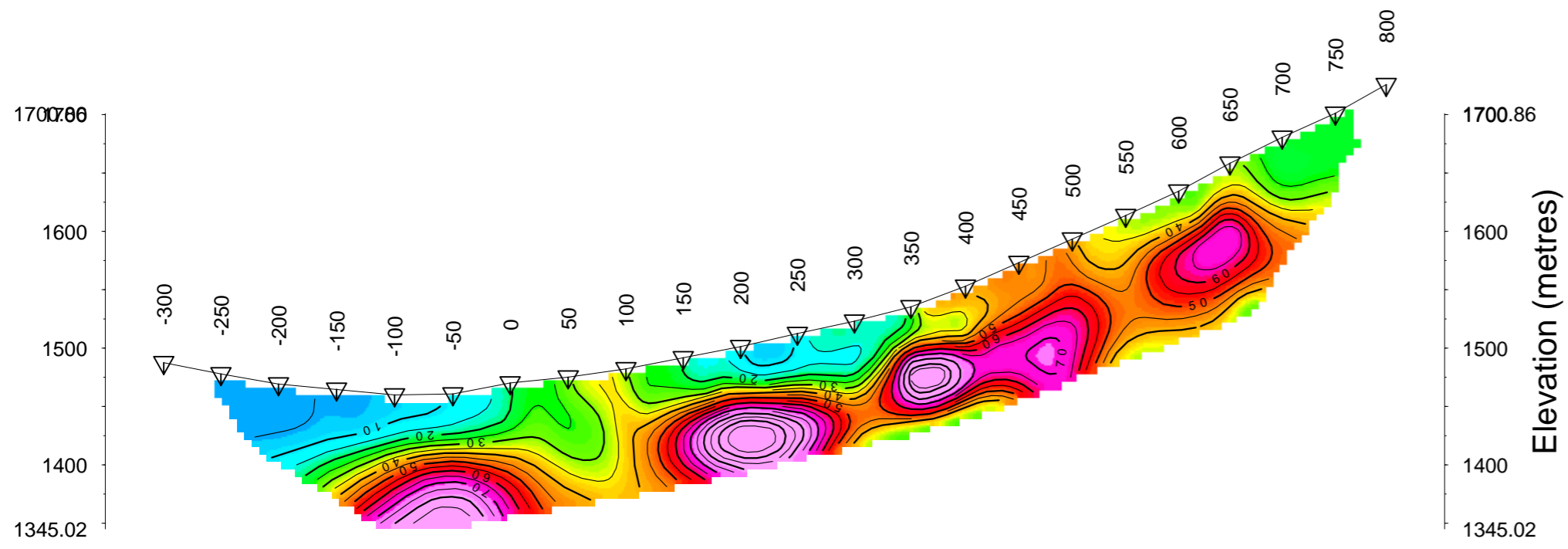
Pole-Dipole Array



Modelled Resistivity (Ohm-m)



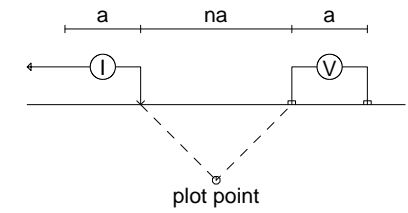
Modelled Chargeability (mV/V)



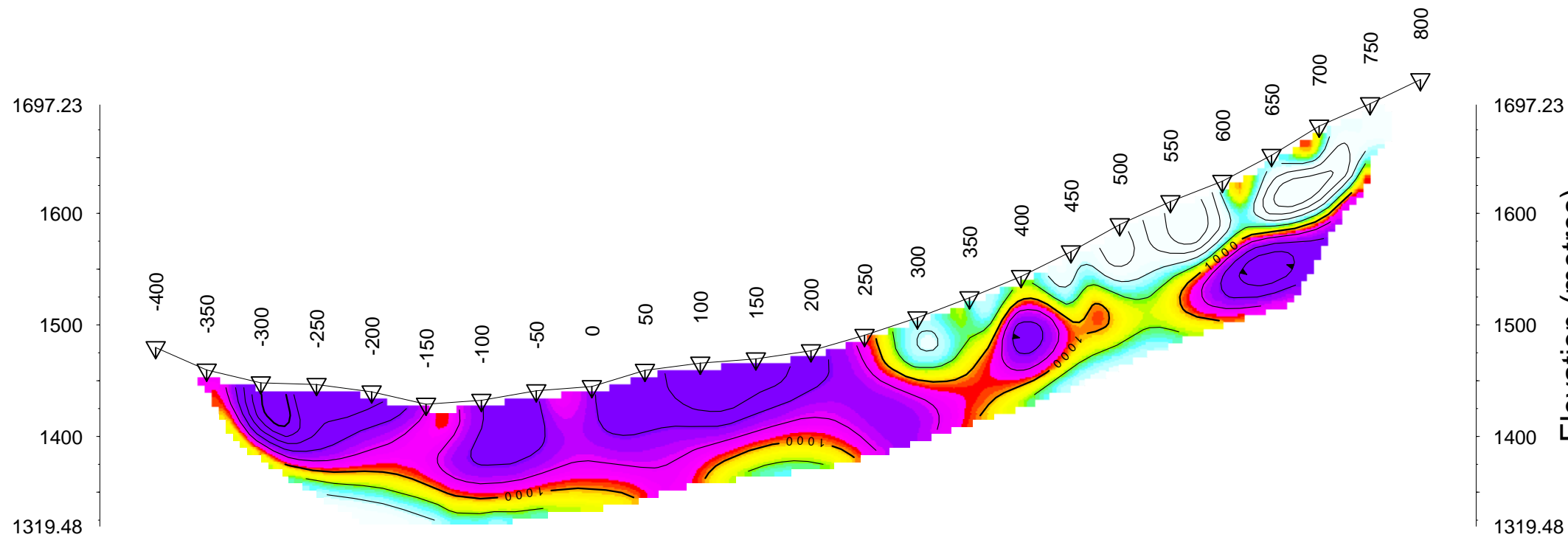
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Line 600

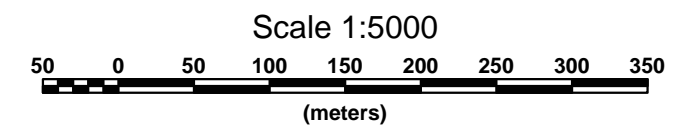
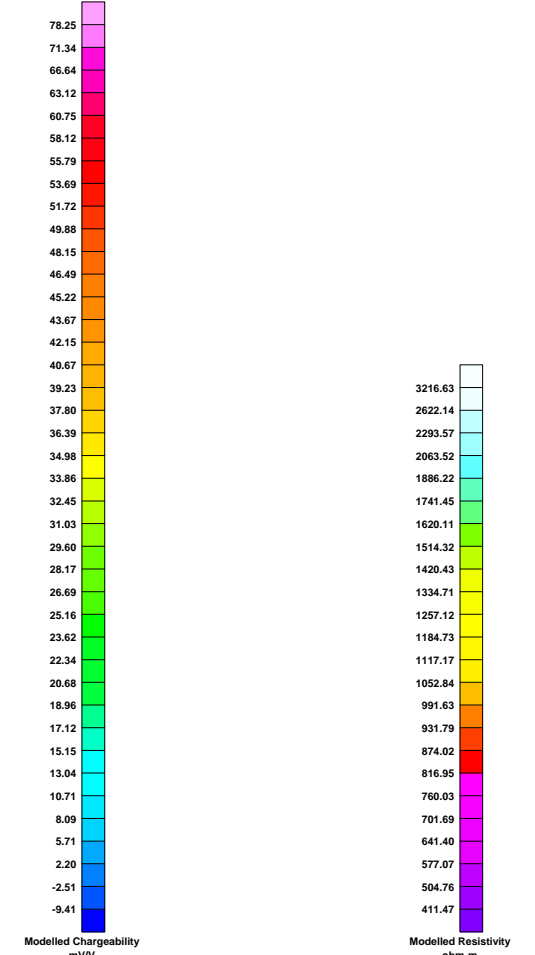
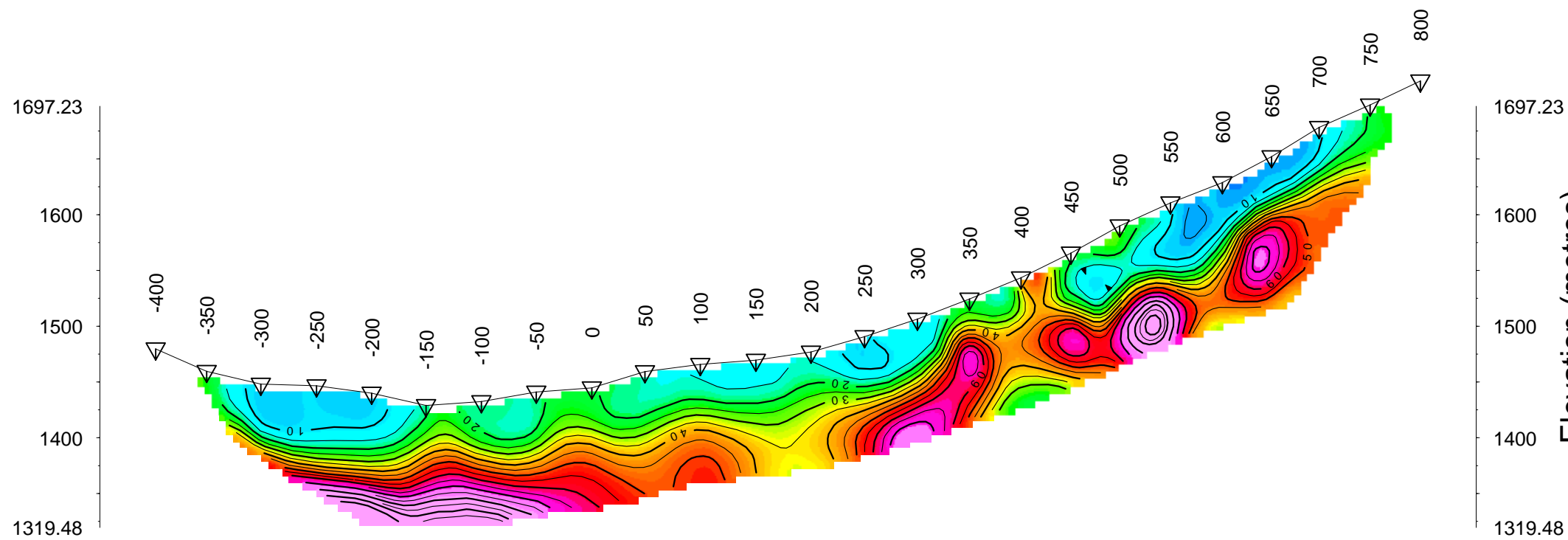
Pole-Dipole Array



Modelled Resistivity (Ohm-m)



Modelled Chargeability (mV/V)

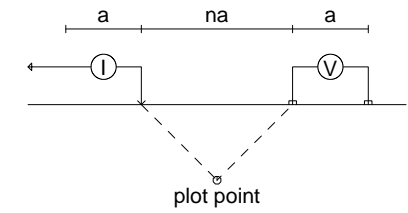


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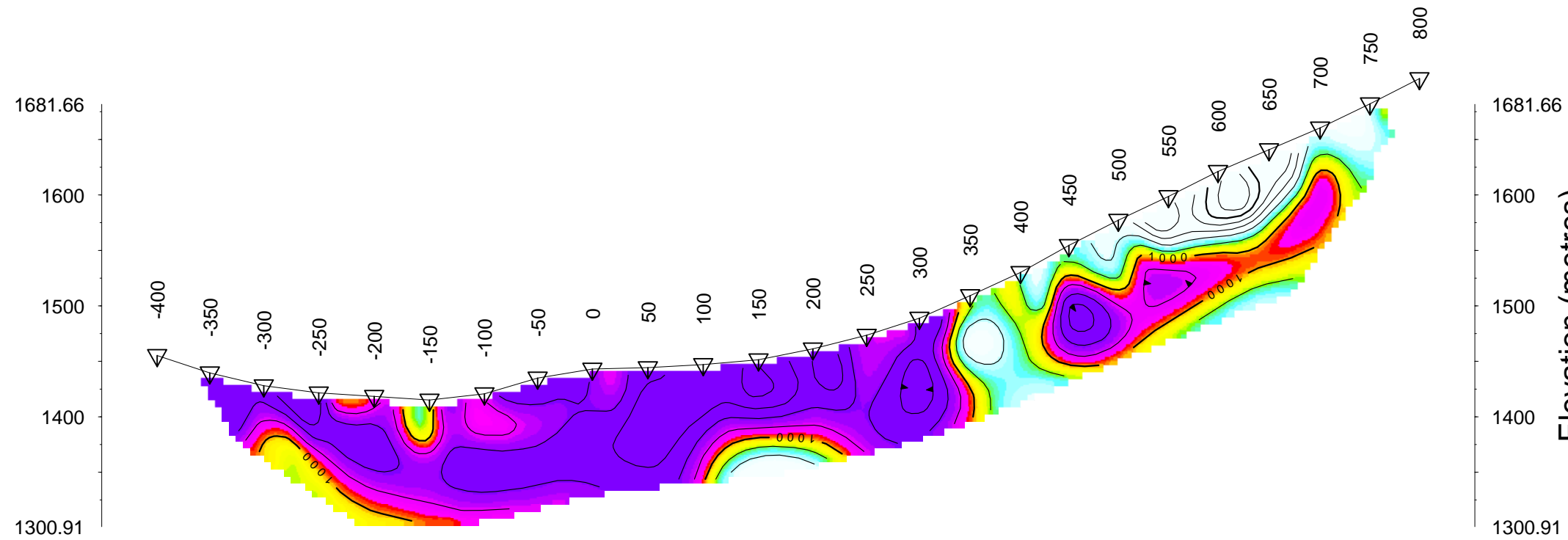


Line 750

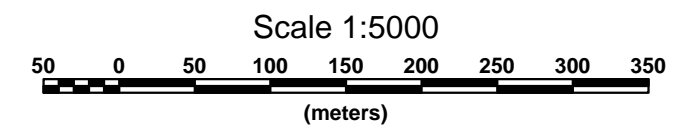
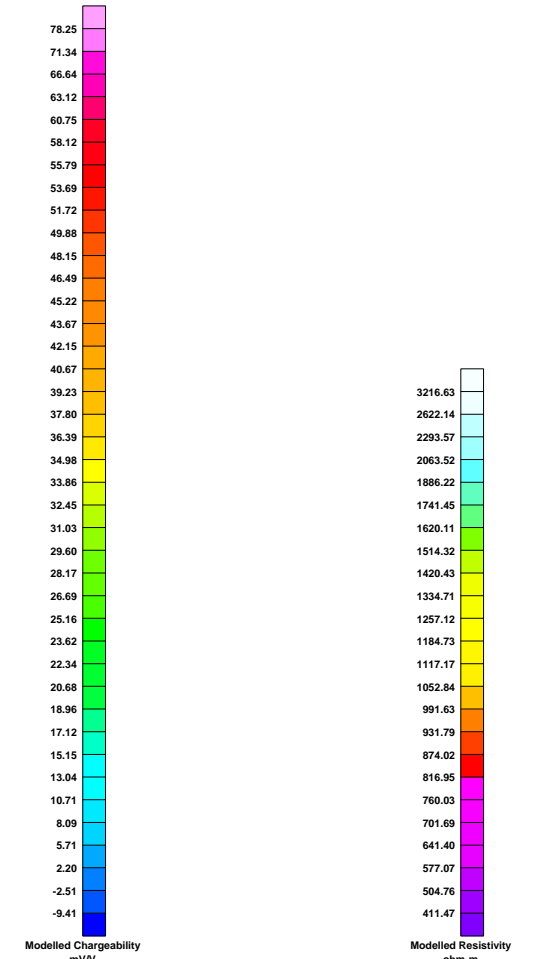
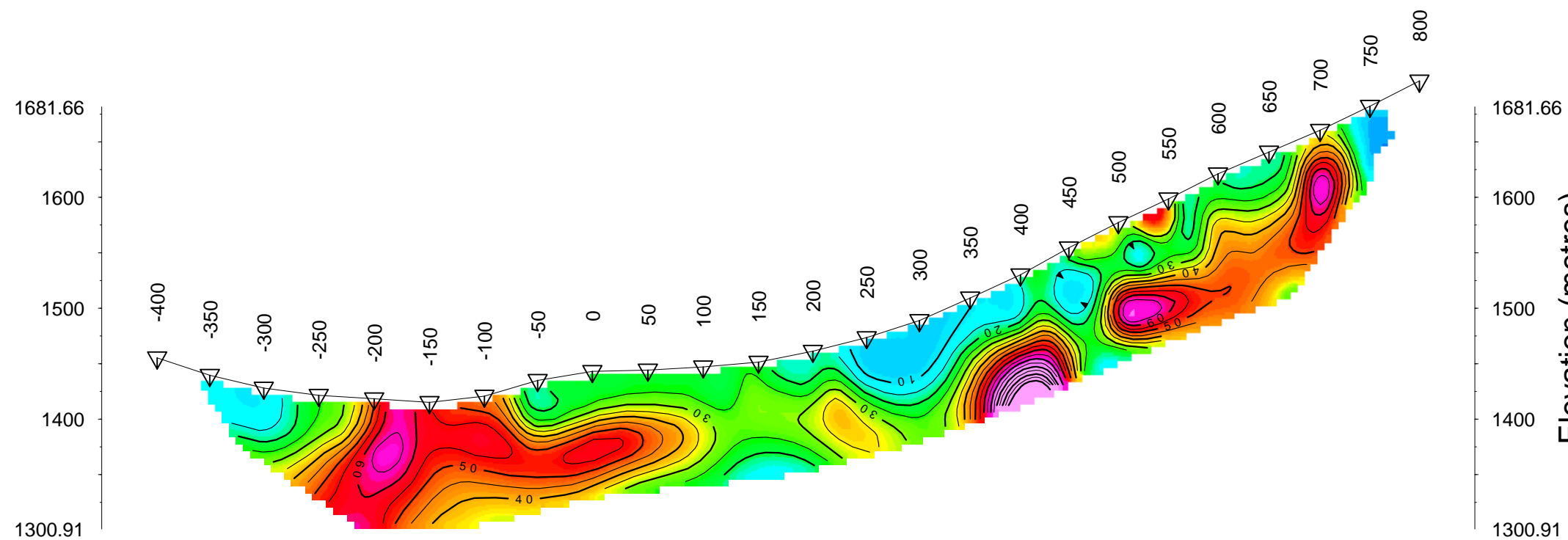
Pole-Dipole Array



Modelled Resistivity (Ohm-m)



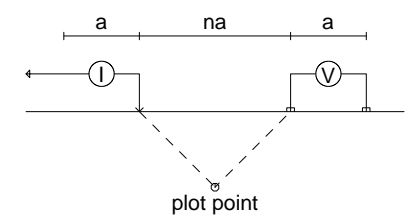
Modelled Chargeability (mV/V)



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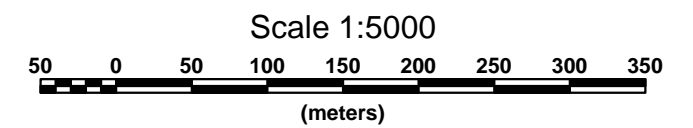
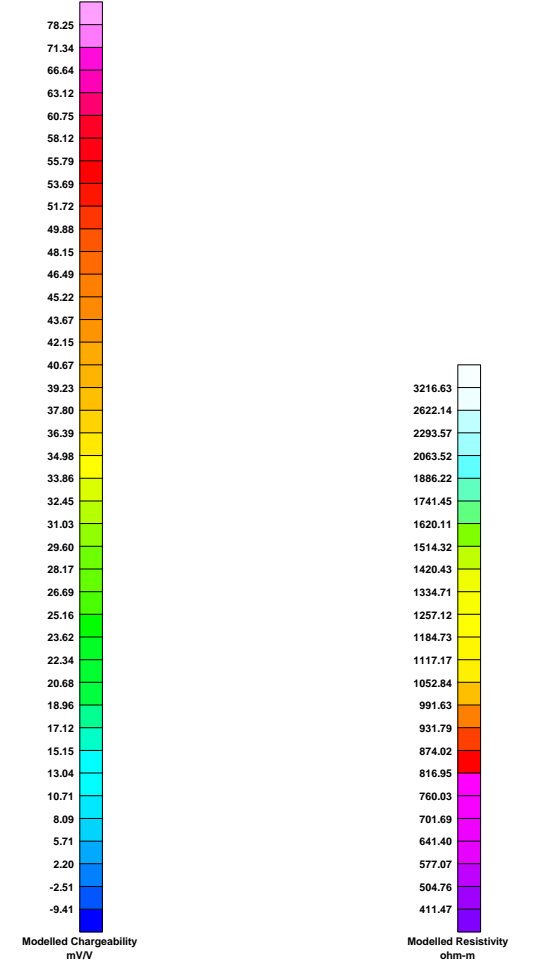
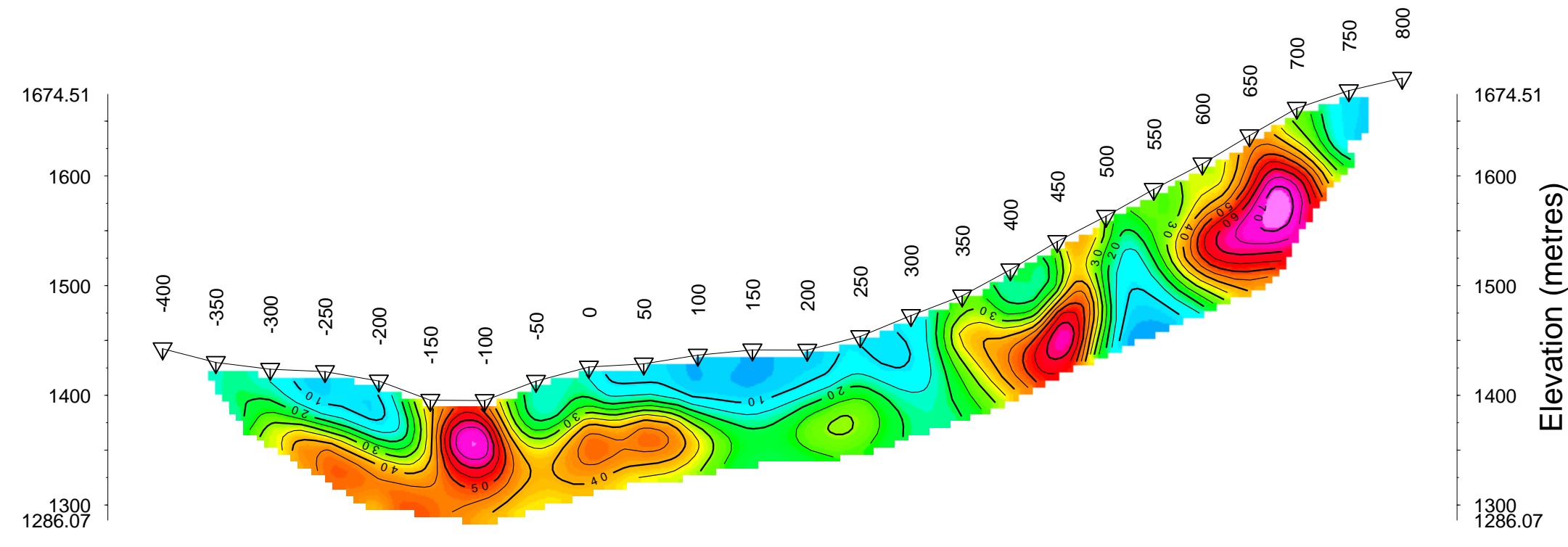
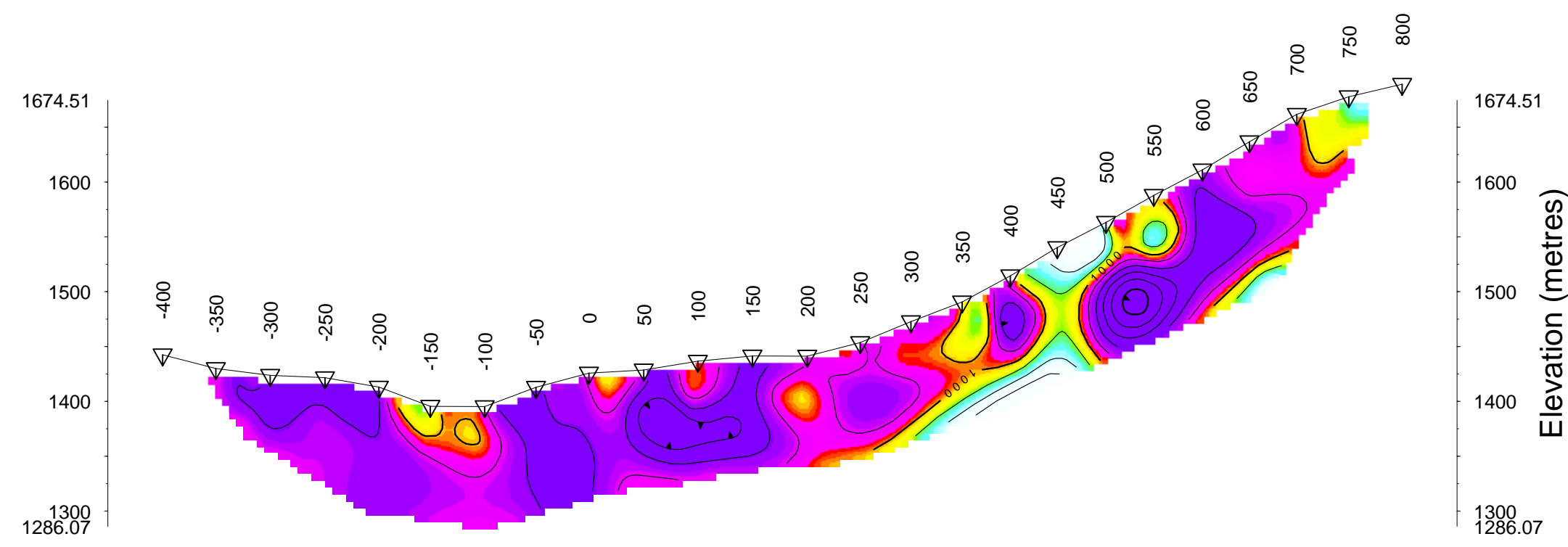
Line 900

Pole-Dipole Array



Modelled Resistivity (Ohm-m)

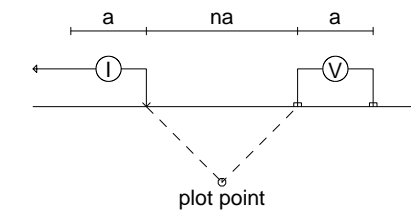
Modelled Chargeability (mV/V)



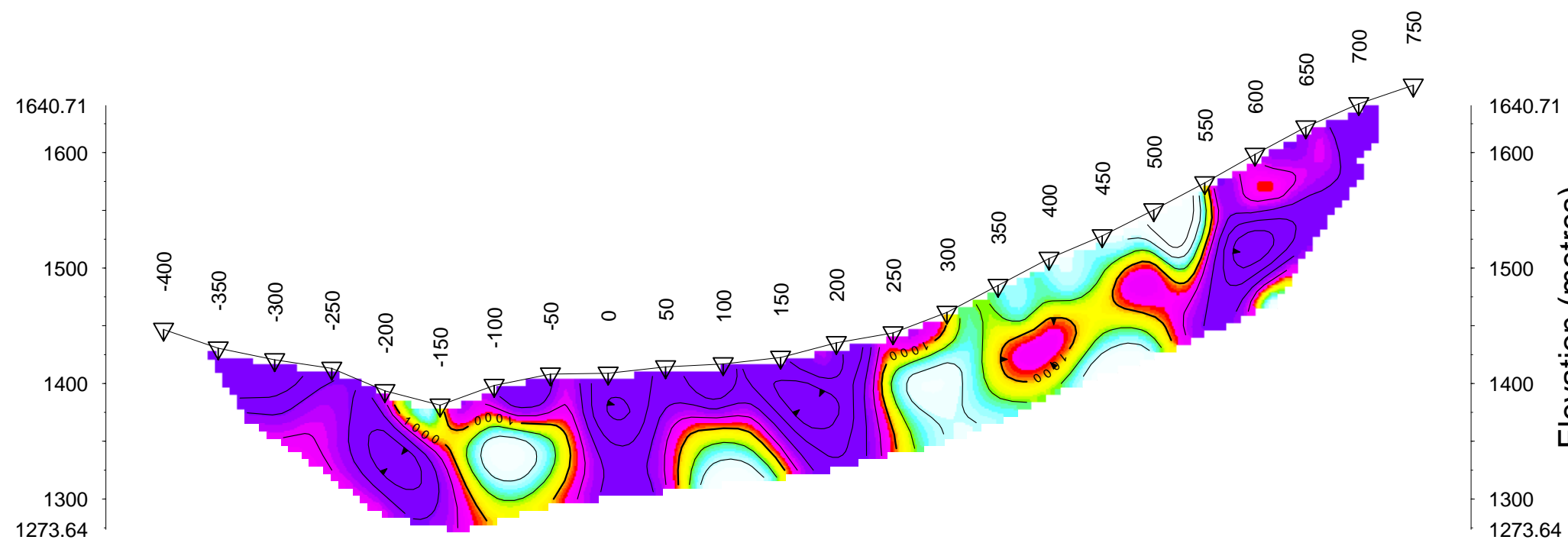
**CALLINAN MINES LIMITED**  
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BRITISH COLUMBIA  
INVERSION DATE: AUGUST 2006, RES2DINV  
PETER E. WALCOTT & ASSOCIATES LIMITED

Line 1050

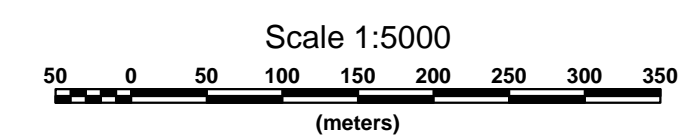
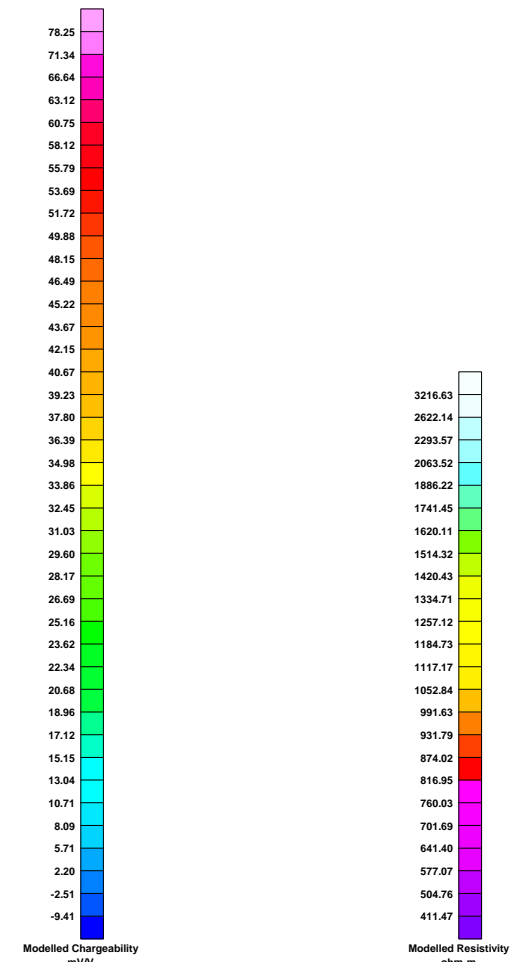
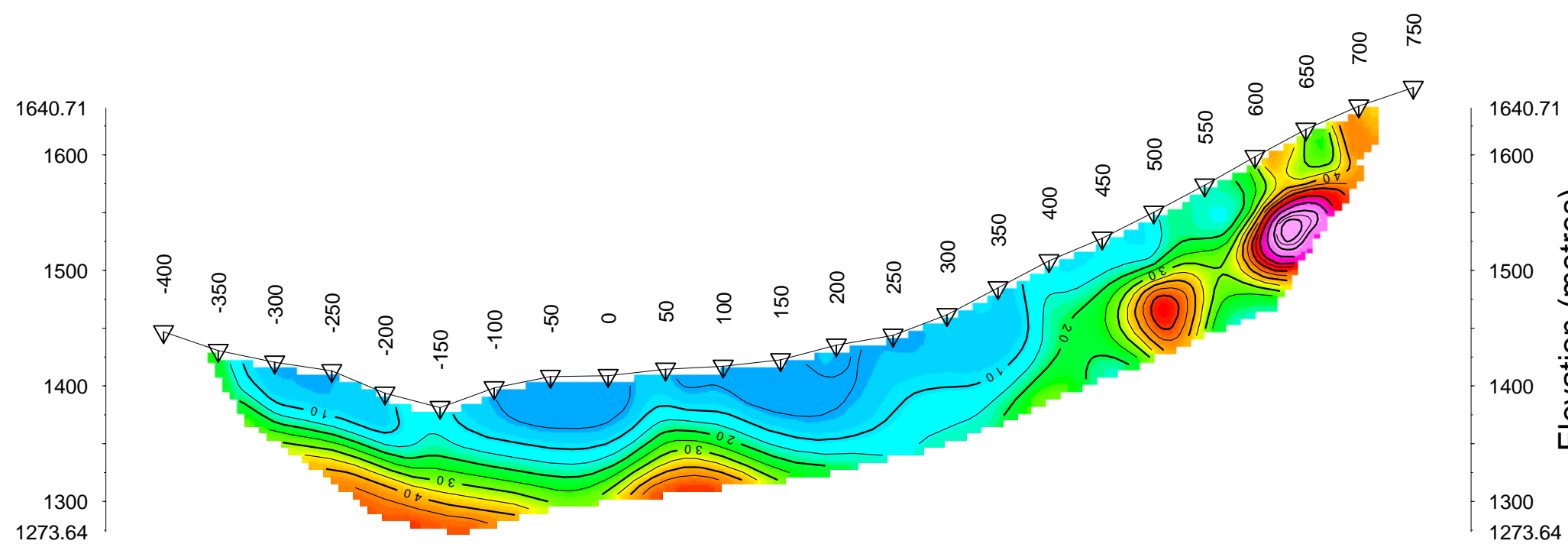
Pole-Dipole Array



Modelled Resistivity (Ohm-m)



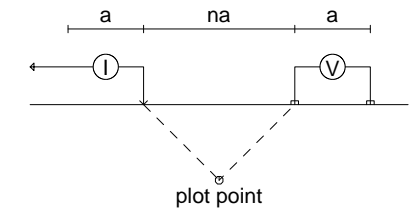
Modelled Chargeability (mV/V)



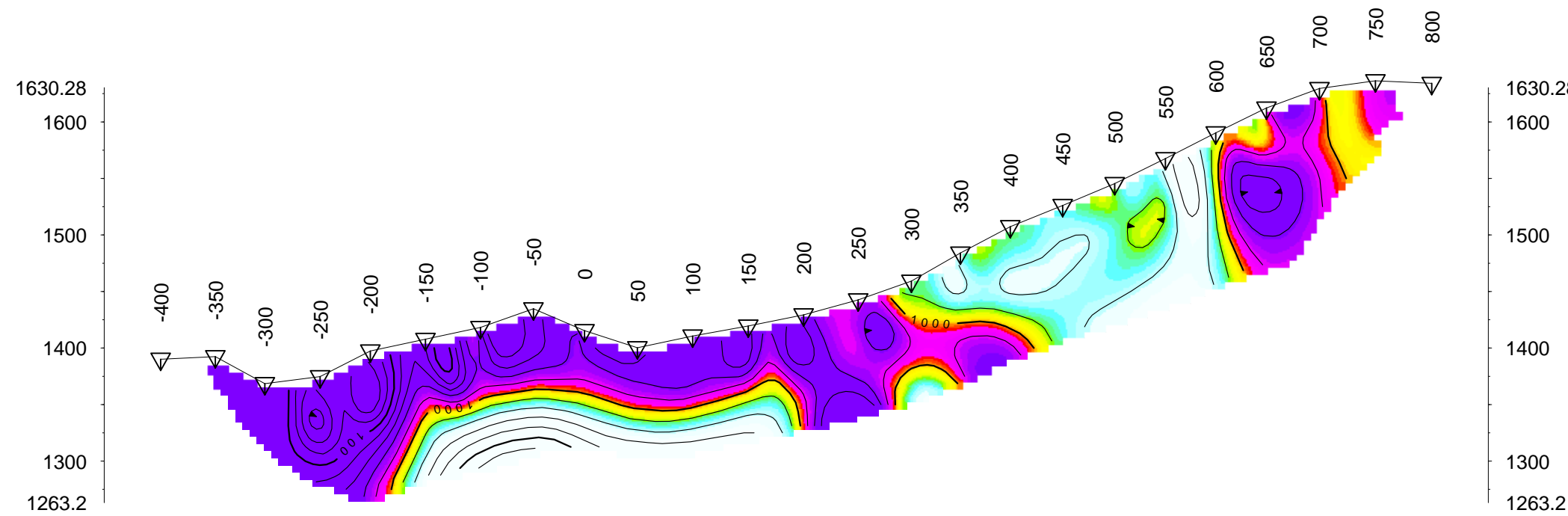
**CALLINAN MINES LIMITED**  
INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT  
BRITISH COLUMBIA  
INVERSION DATE: AUGUST 2006, RES2DINV  
PETER E. WALCOTT & ASSOCIATES LIMITED

Line 1200

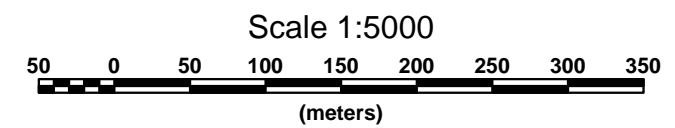
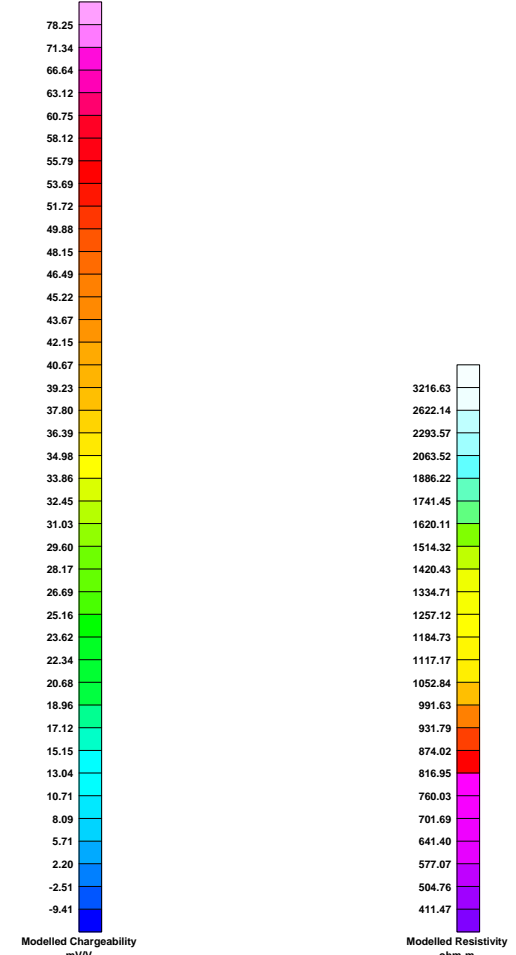
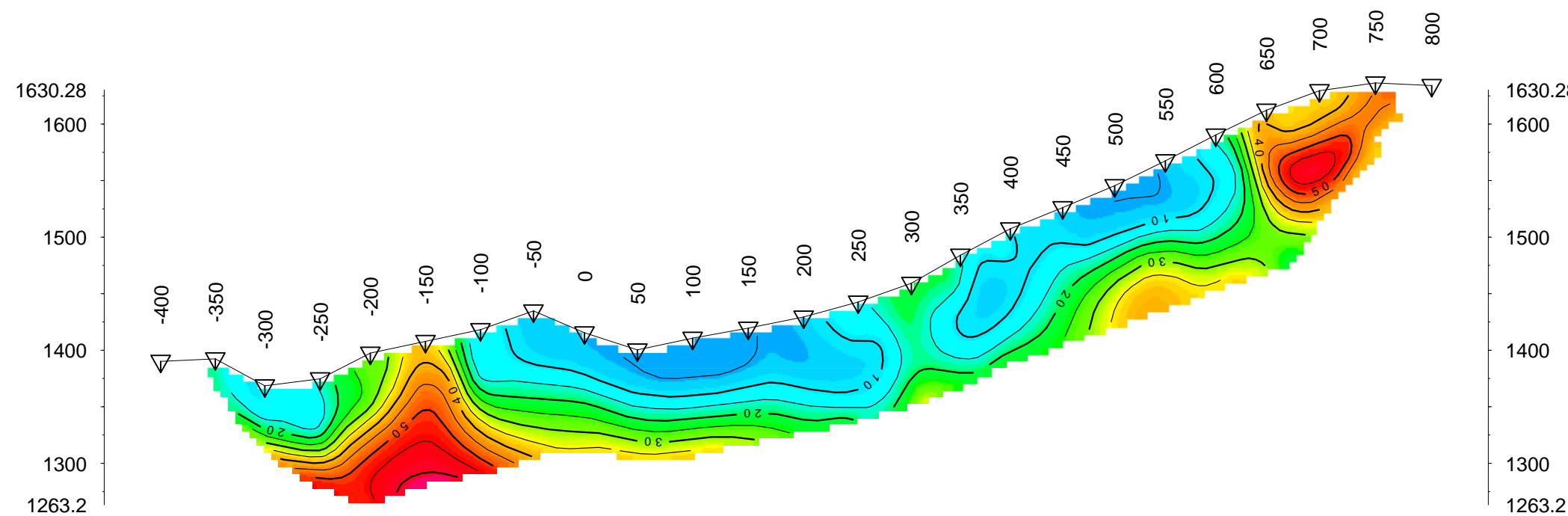
Pole-Dipole Array



Modelled Resistivity (Ohm-m)



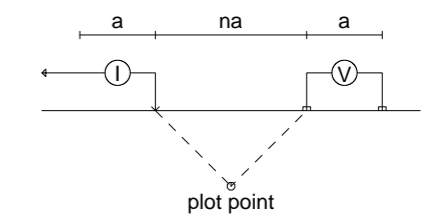
Modelled Chargeability (mV/V)



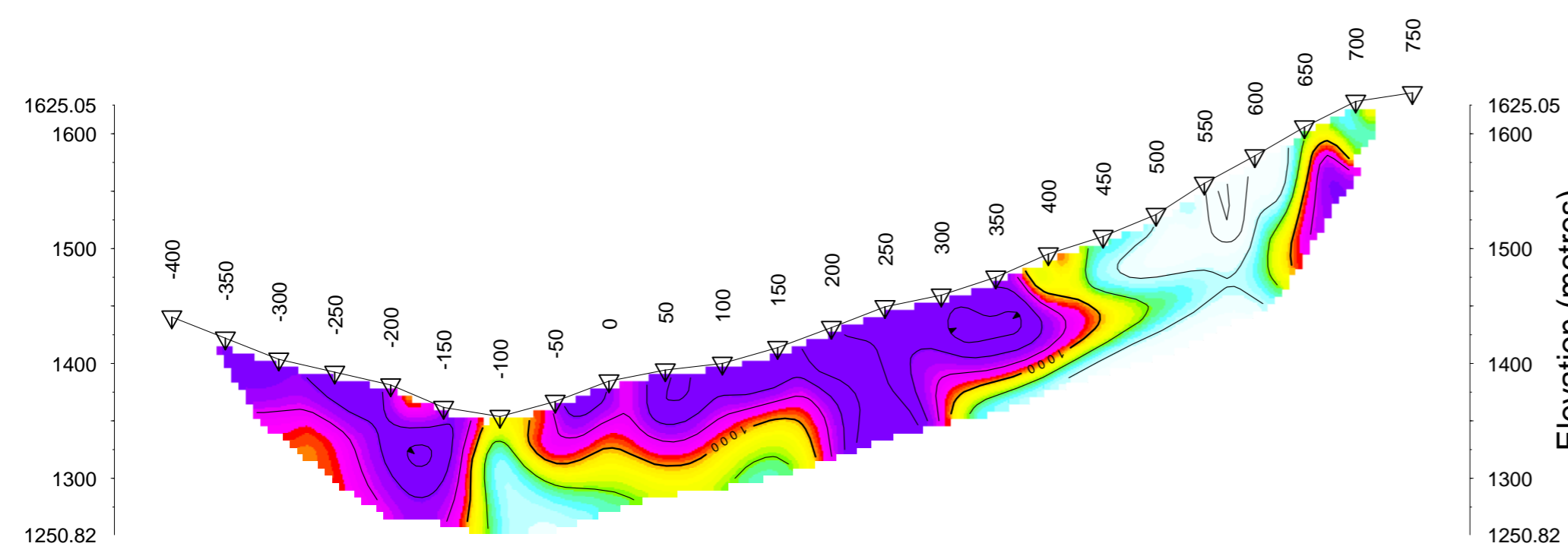
**CALLINAN MINES LIMITED**  
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COLES CREEK PROJECT  
BRITISH COLUMBIA  
INVERSION DATE: AUGUST 2006, RES2DINV  
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Line 1350

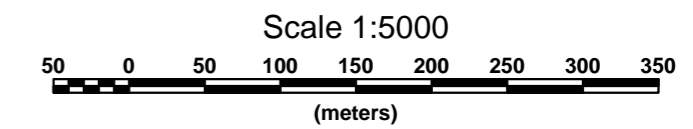
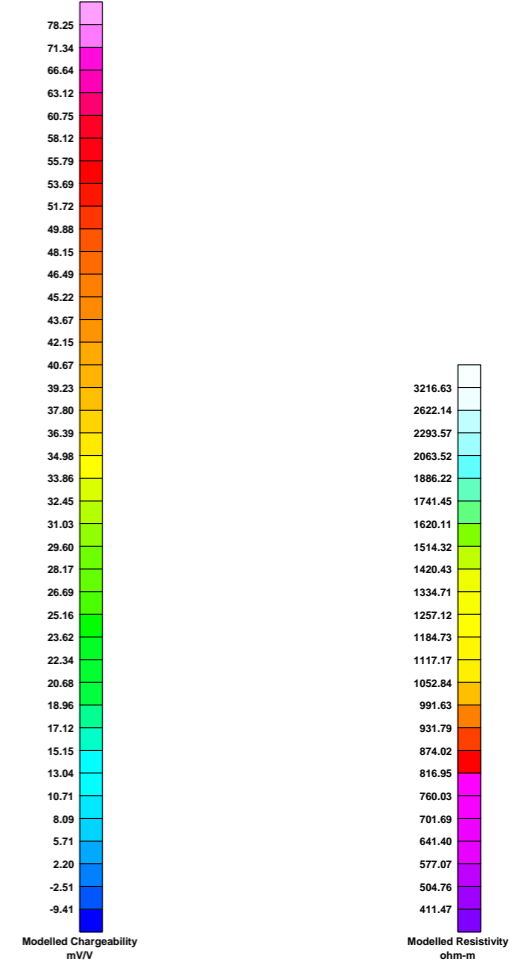
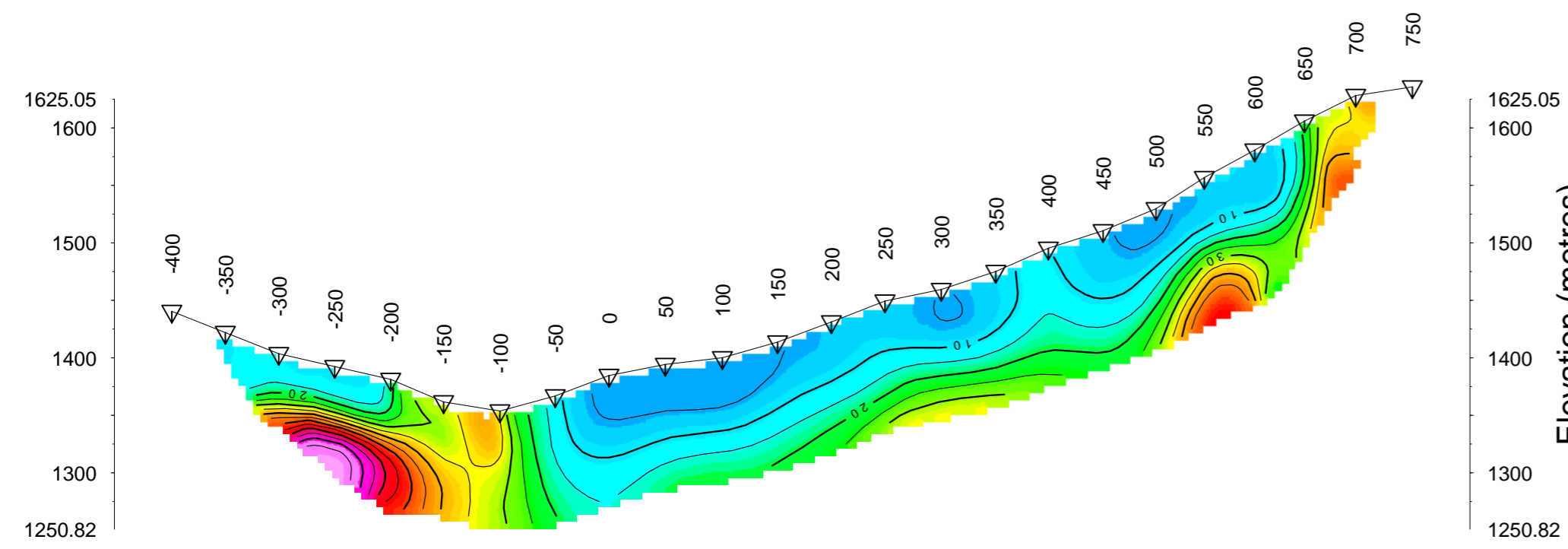
Pole-Dipole Array



Modelled Resistivity (Ohm-m)



Modelled Chargeability (mV/V)

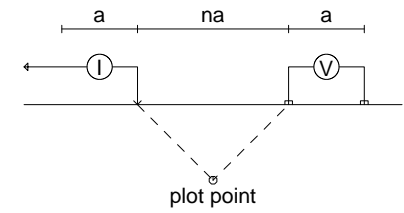


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INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT  
BRITISH COLUMBIA  
INVERSION DATE: AUGUST 2006, RES2DINV  
PETER E. WALCOTT & ASSOCIATES LIMITED

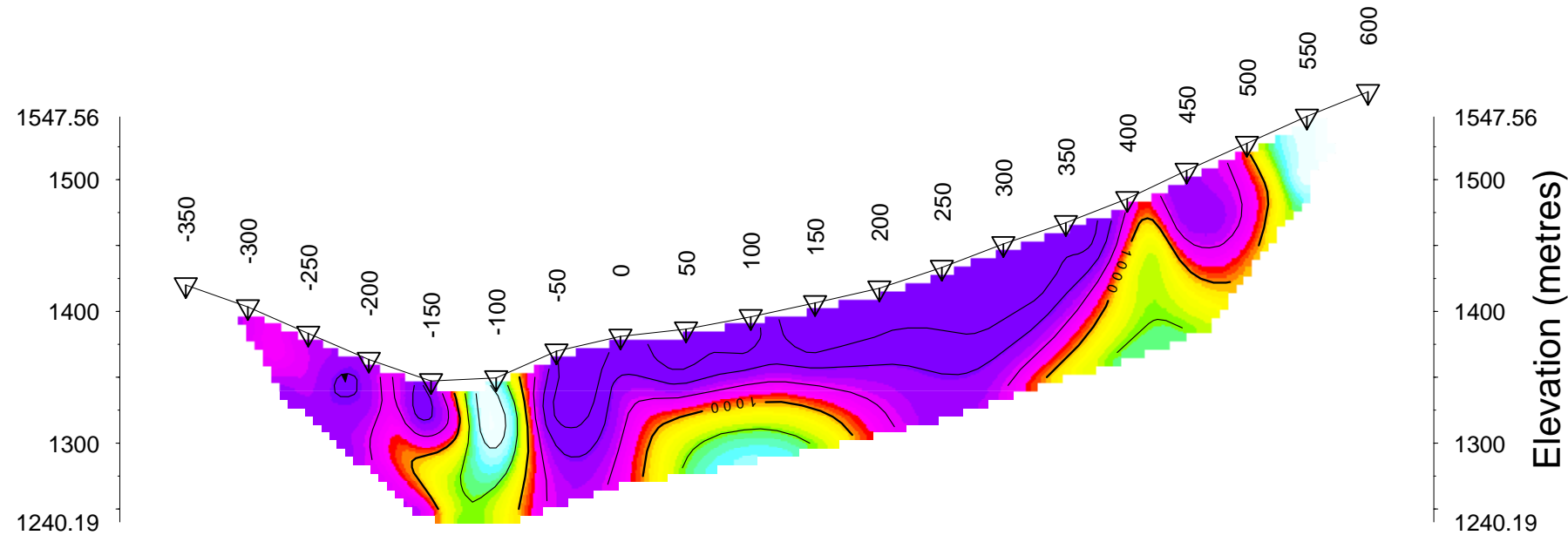


Line 1500

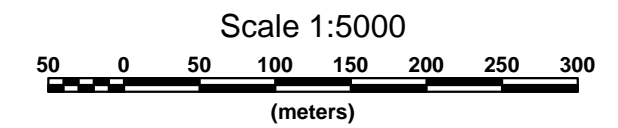
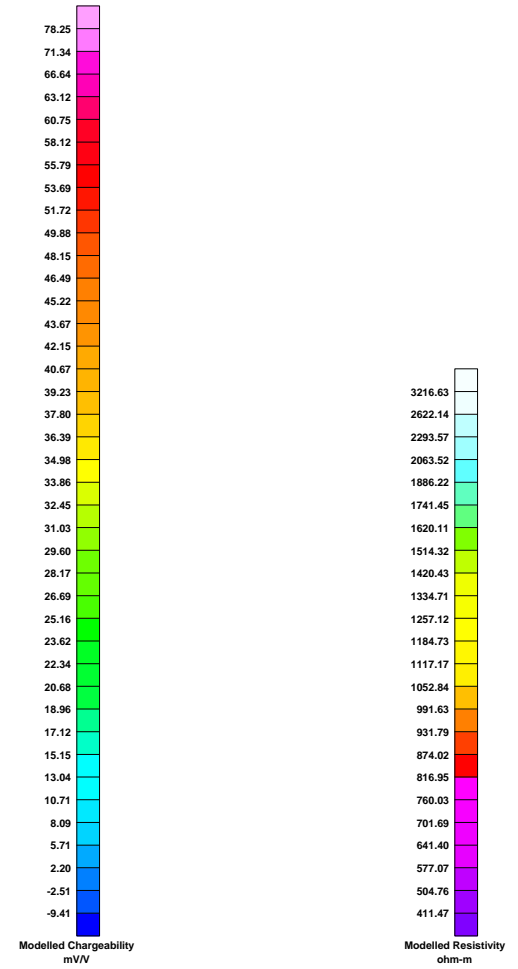
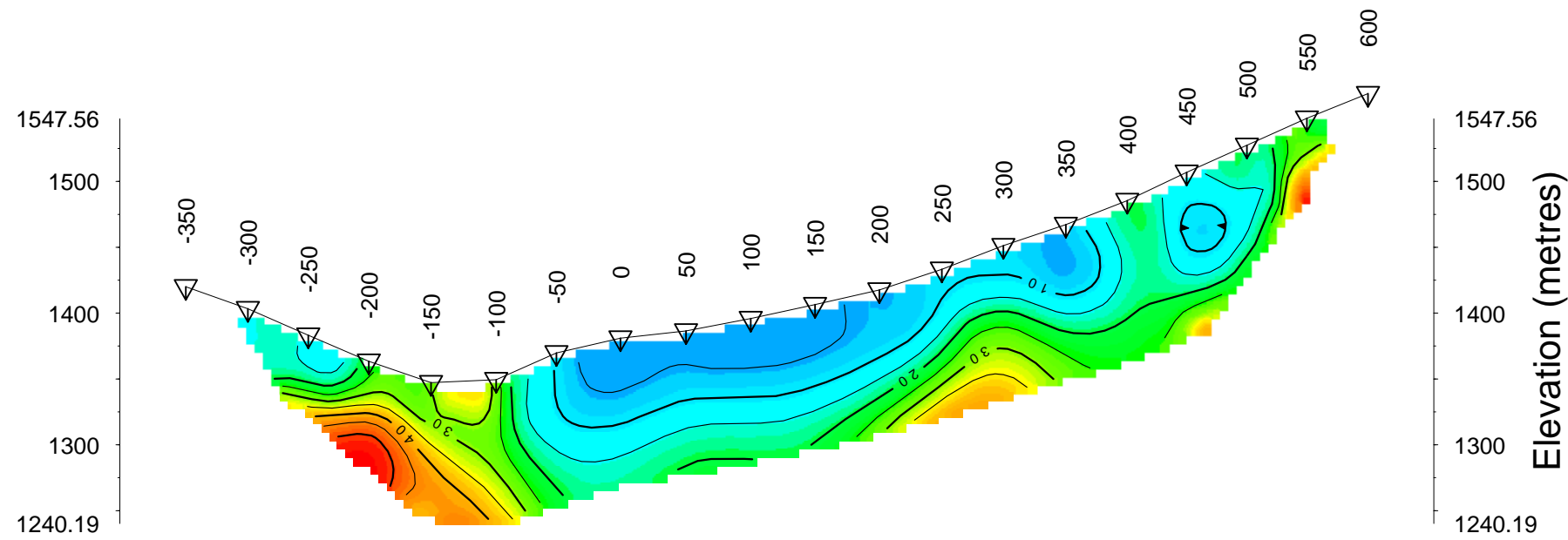
Pole-Dipole Array



Modelled Resistivity (Ohm-m)



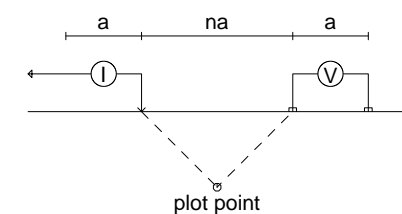
Modelled Chargeability (mV/V)



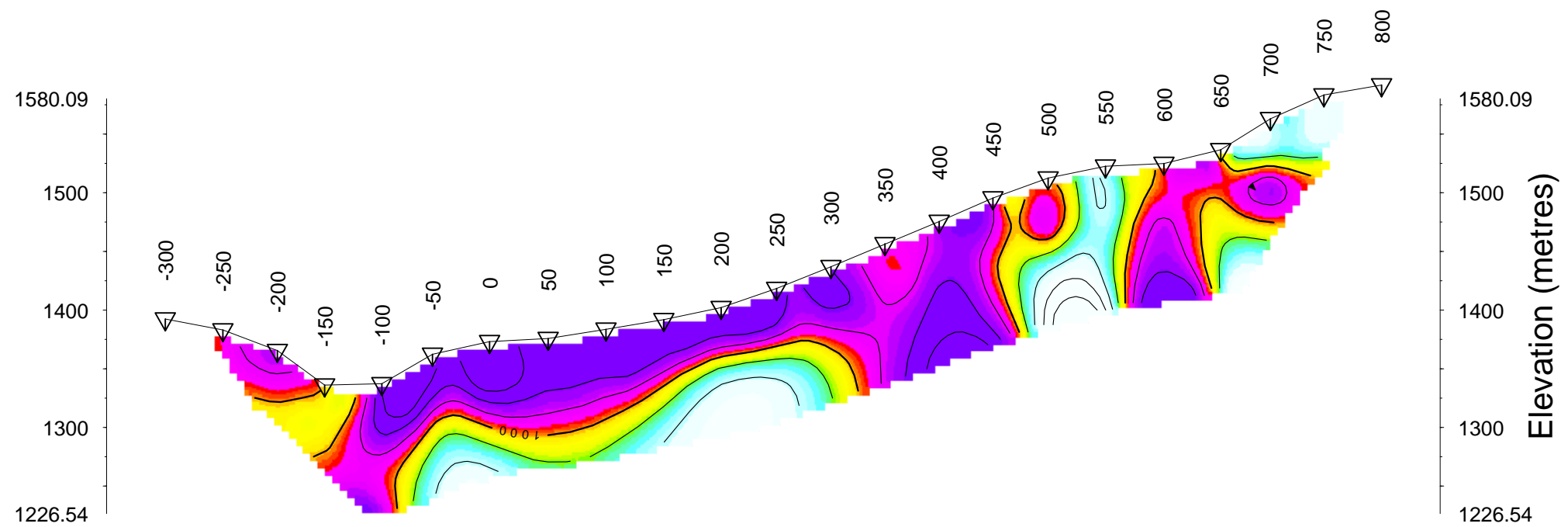
**CALLINAN MINES LIMITED**  
INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT  
BRITISH COLUMBIA  
INVERSION DATE: AUGUST 2006, RES2DINV  
PETER E. WALCOTT & ASSOCIATES LIMITED

Line 1650

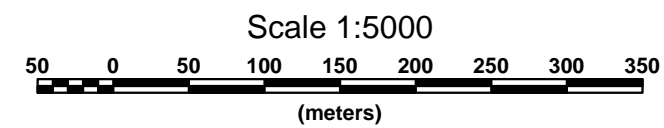
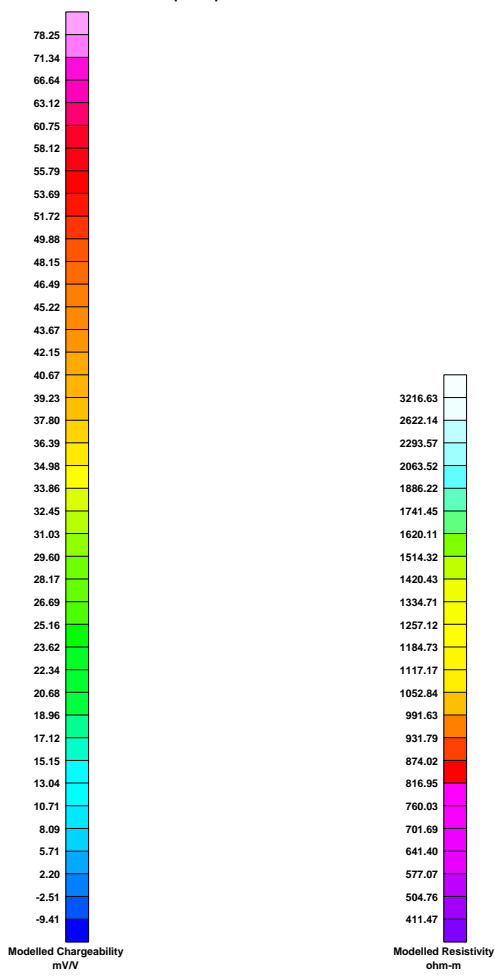
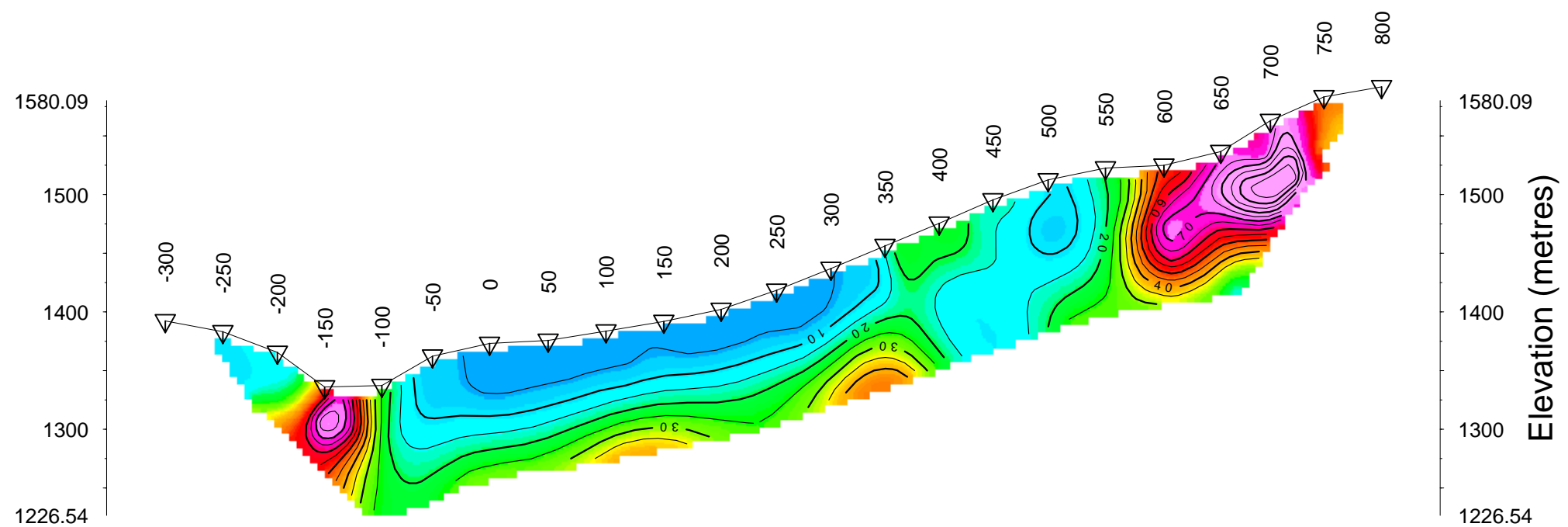
Pole-Dipole Array



Modelled Resistivity (Ohm-m)



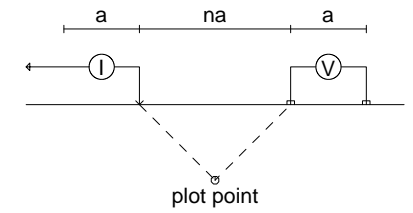
Modelled Chargeability (mV/V)



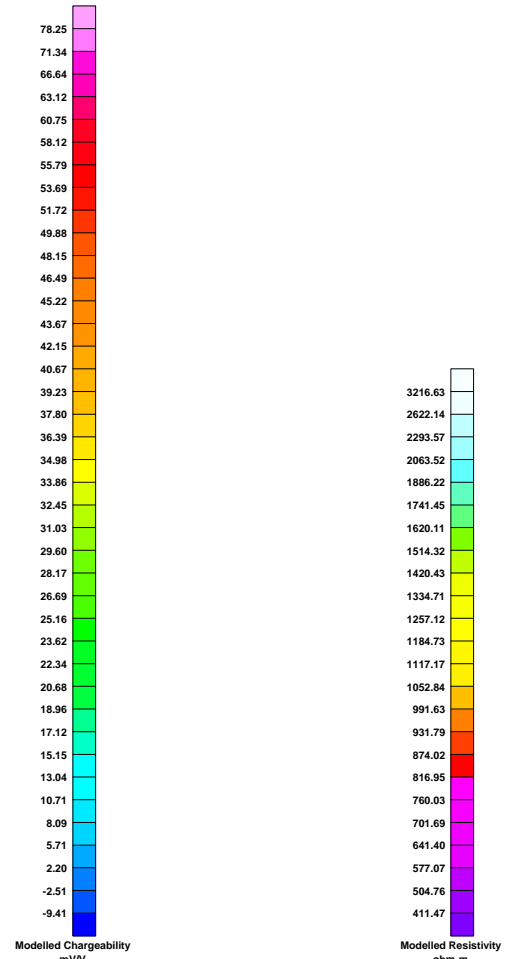
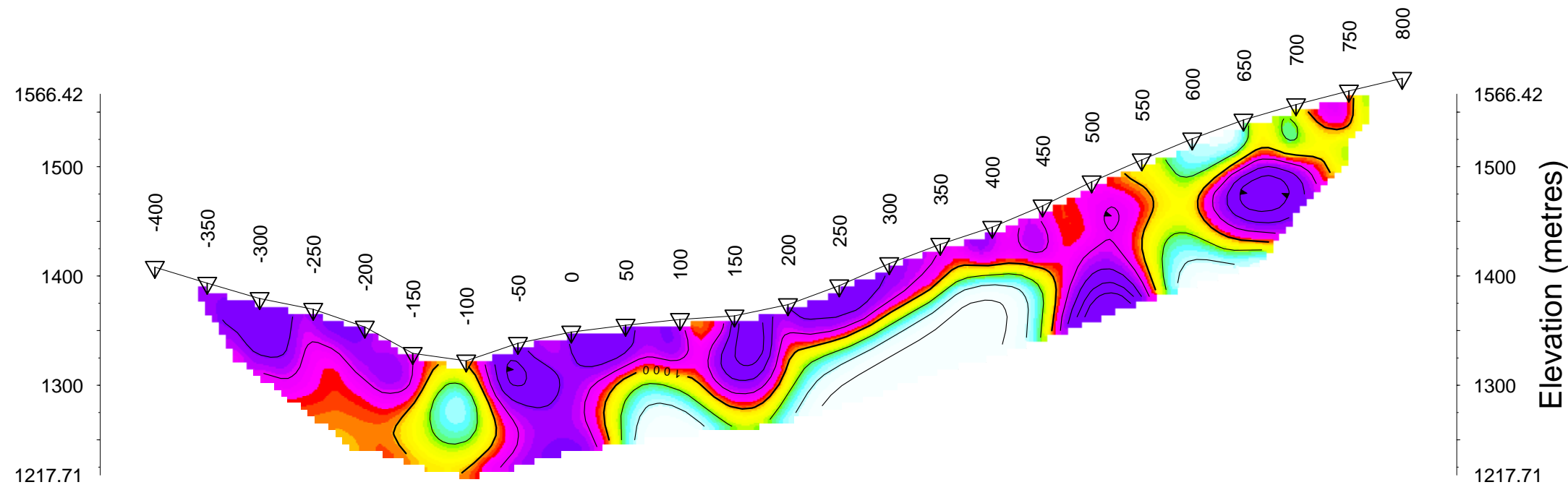
**CALLINAN MINES LIMITED**  
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COLES CREEK PROJECT  
BRITISH COLUMBIA  
INVERSION DATE: AUGUST 2006, RES2DINV  
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Line 1800

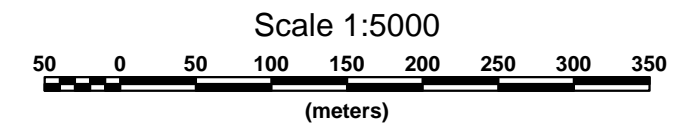
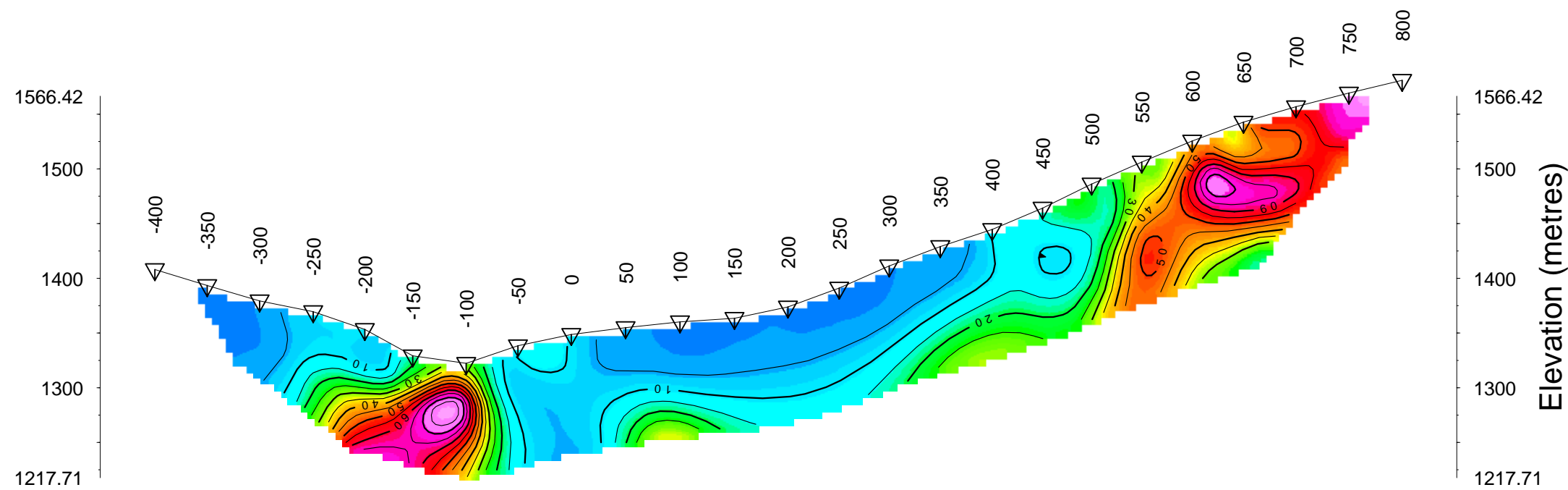
Pole-Dipole Array



Modelled Resistivity (Ohm-m)



Modelled Chargeability (mV/V)

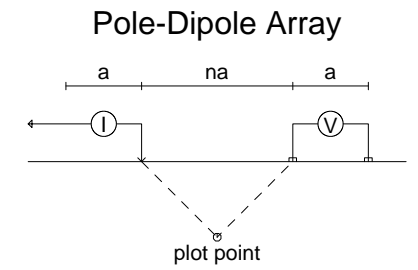
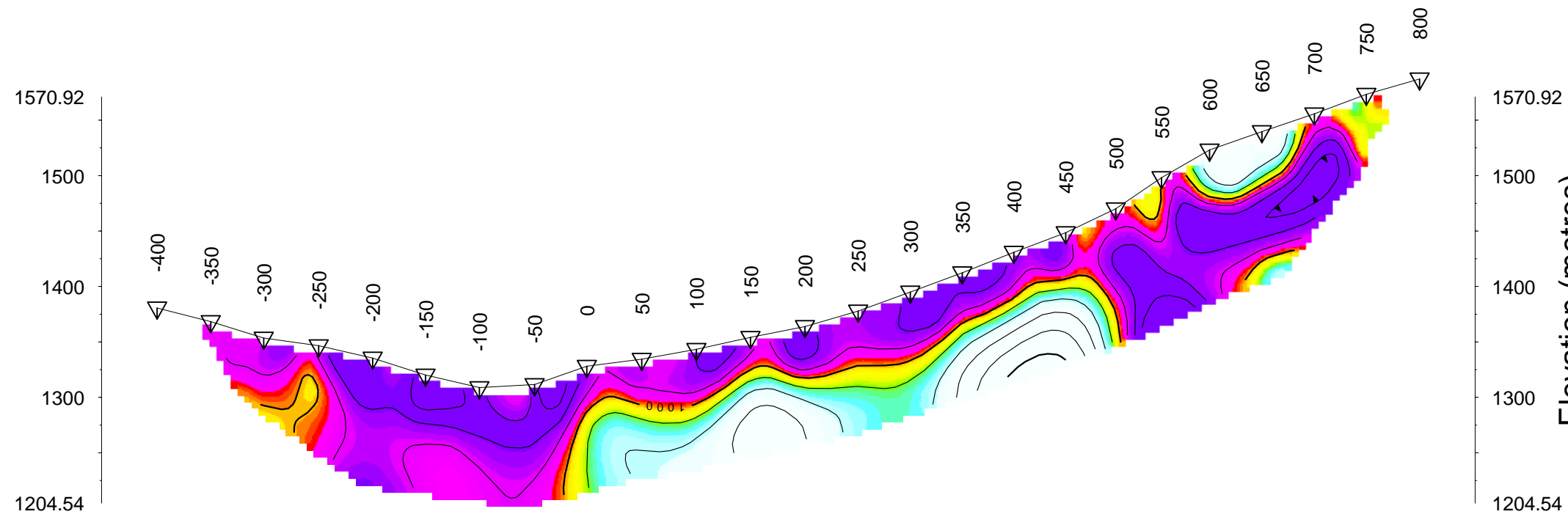


**CALLINAN MINES LIMITED**  
INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT  
BRITISH COLUMBIA  
INVERSION DATE: AUGUST 2006, RES2DINV  
PETER E. WALCOTT & ASSOCIATES LIMITED

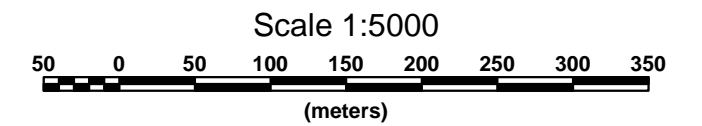
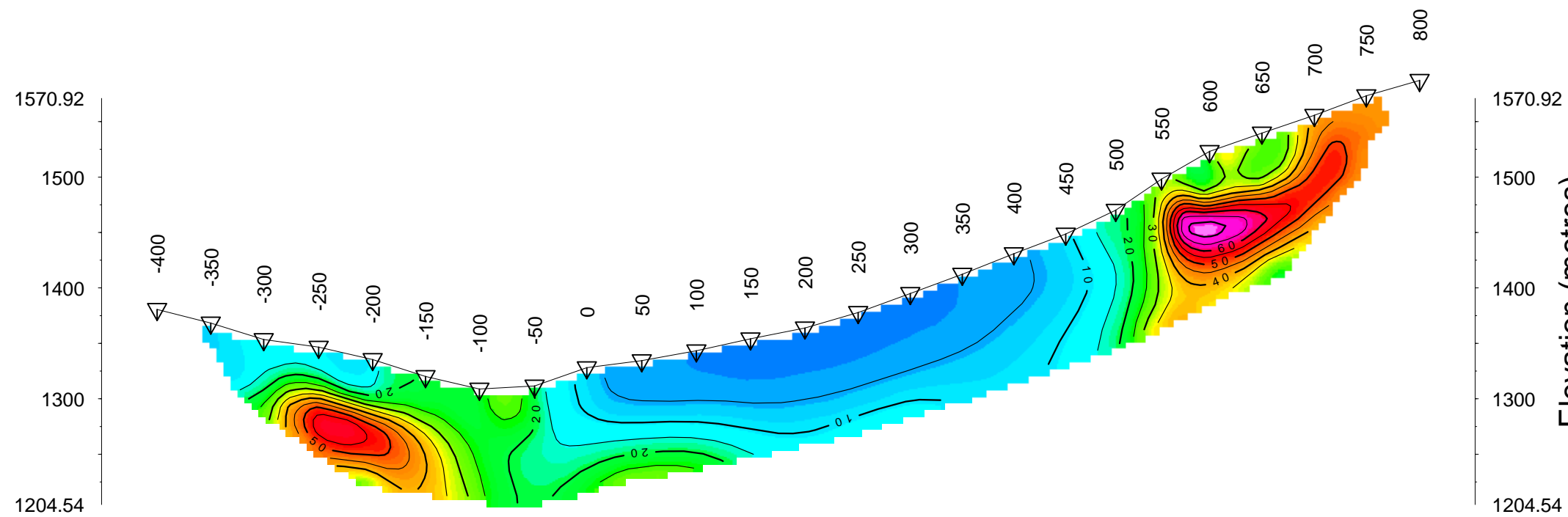


Line 1950

### Modelled Resistivity (Ohm-m)



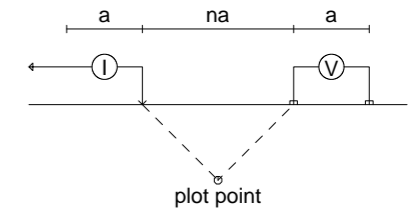
### Modelled Chargeability (mV/V)



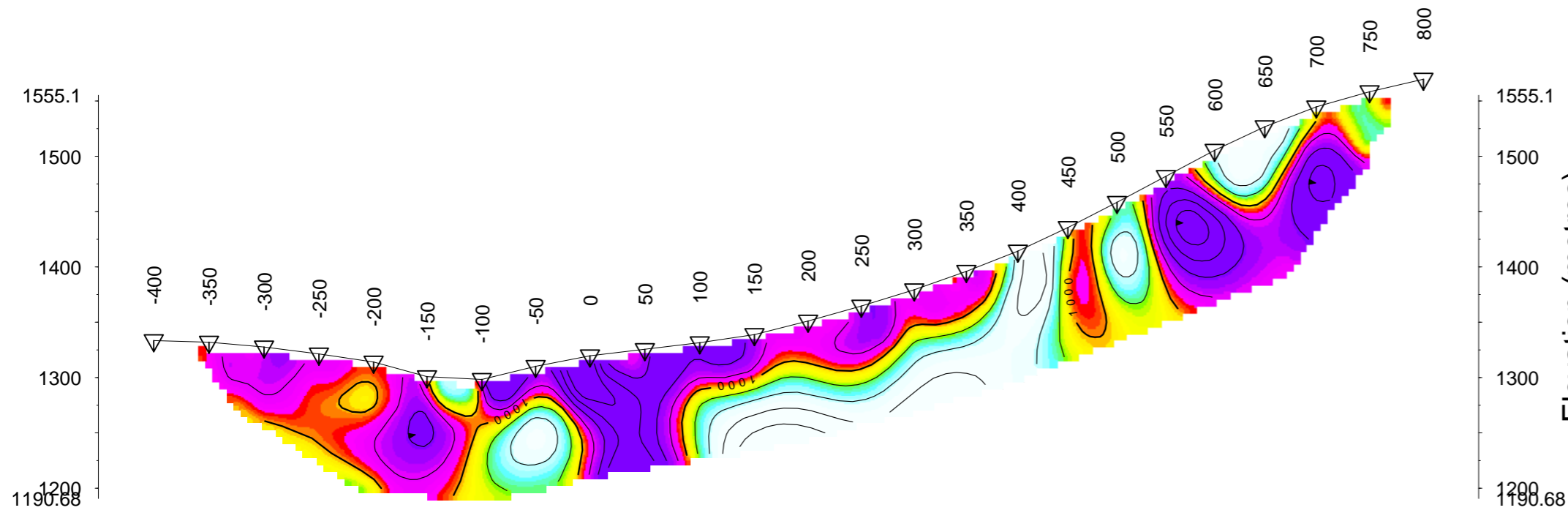
**CALLINAN MINES LIMITED**  
INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT  
BRITISH COLUMBIA  
INVERSION DATE: AUGUST 2006, RES2DINV  
PETER E. WALCOTT & ASSOCIATES LIMITED

Line 2100

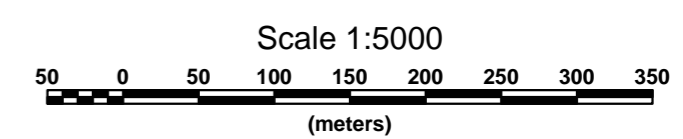
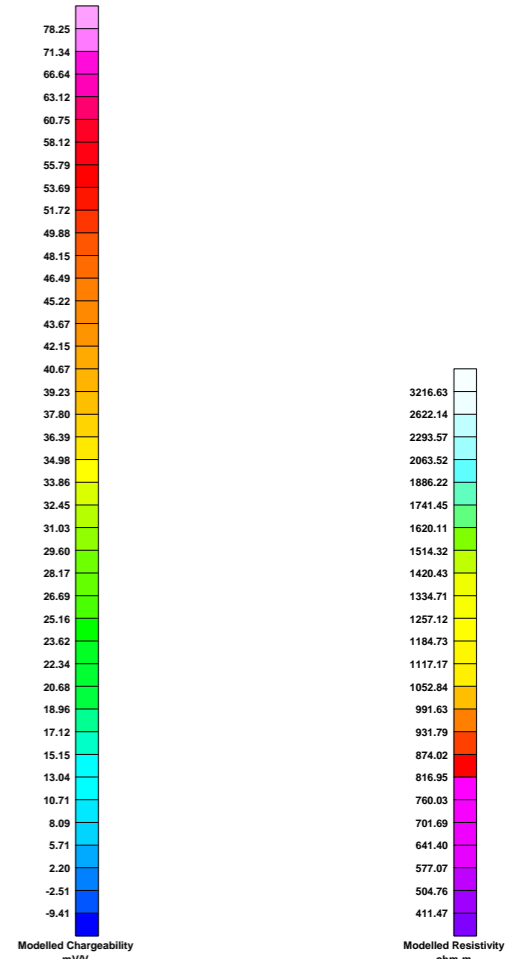
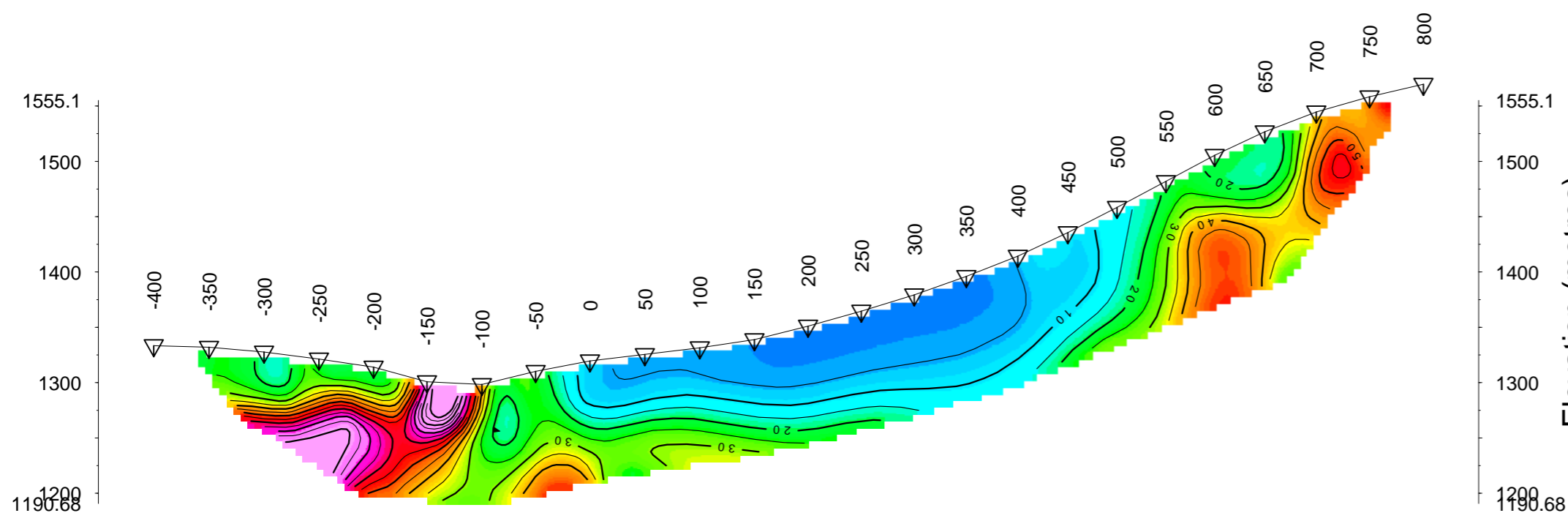
Pole-Dipole Array



Modelled Resistivity (Ohm-m)



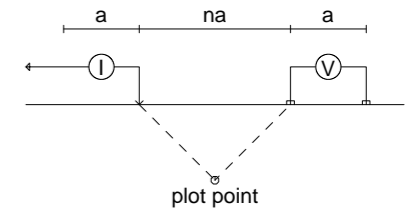
Modelled Chargeability (mV/V)



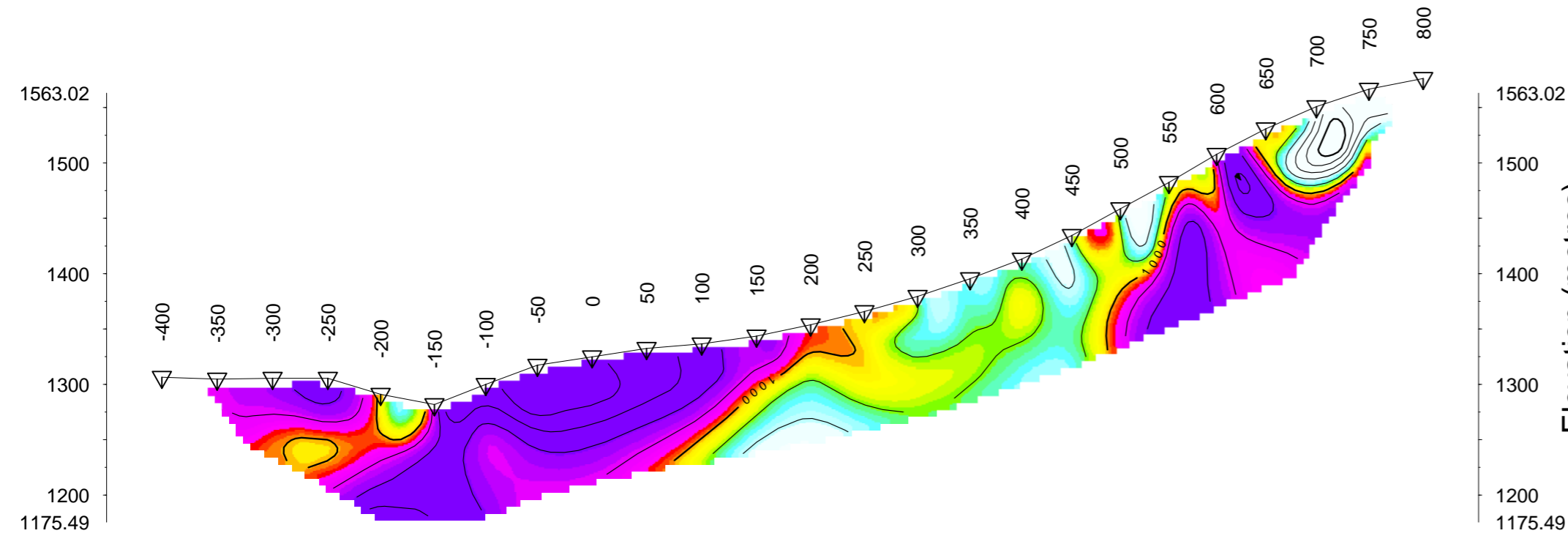
**CALLINAN MINES LIMITED**  
INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT  
BRITISH COLUMBIA  
INVERSION DATE: AUGUST 2006, RES2DINV  
PETER E. WALCOTT & ASSOCIATES LIMITED

Line 2250

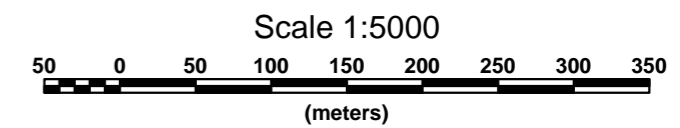
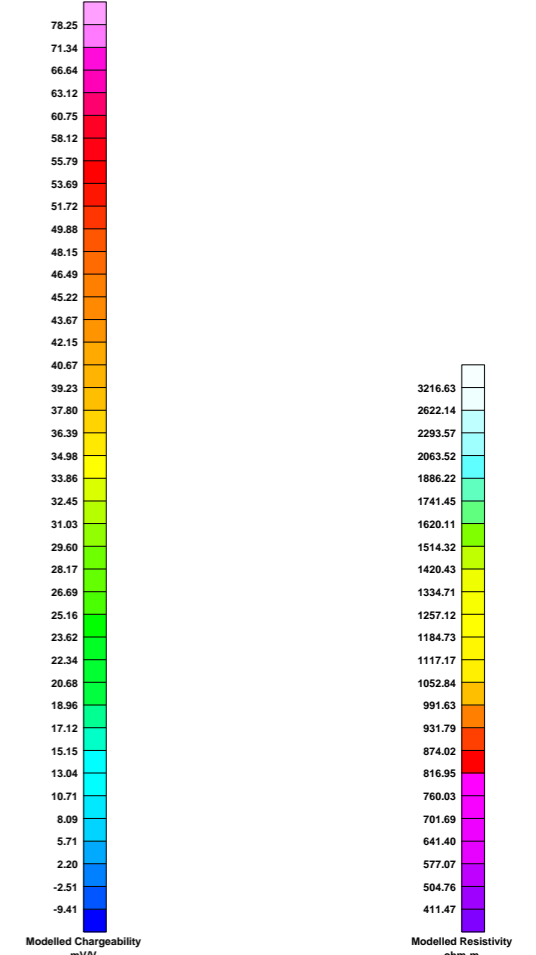
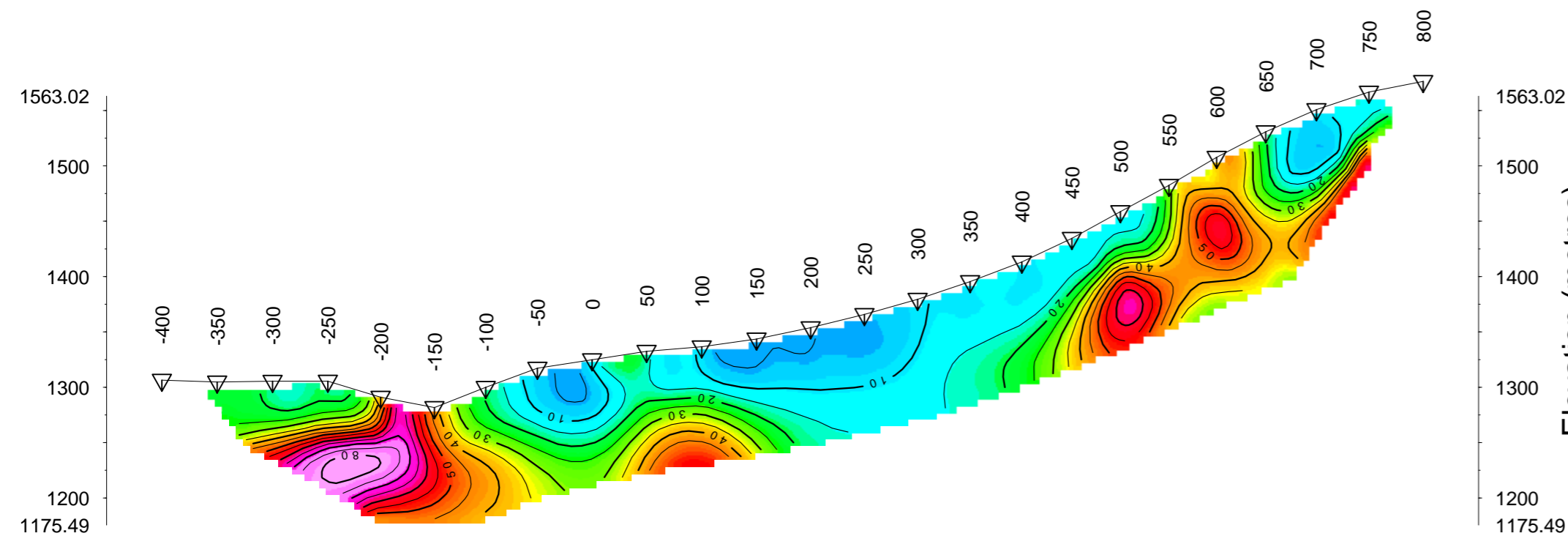
Pole-Dipole Array



Modelled Resistivity (Ohm-m)



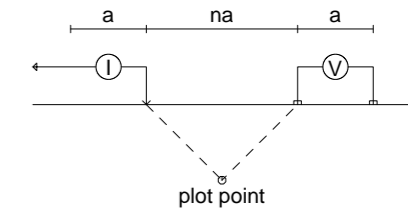
Modelled Chargeability (mV/V)



**CALLINAN MINES LIMITED**  
**INDUCED POLARIZATION SURVEY**  
**COLES CREEK PROJECT**  
**BRITISH COLUMBIA**  
INVERSION DATE: AUGUST 2006, RES2DINV  
**PETER E. WALCOTT & ASSOCIATES LIMITED**

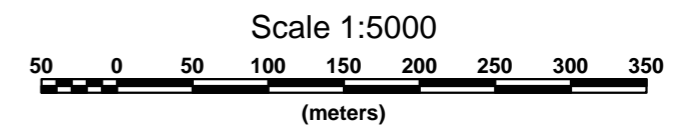
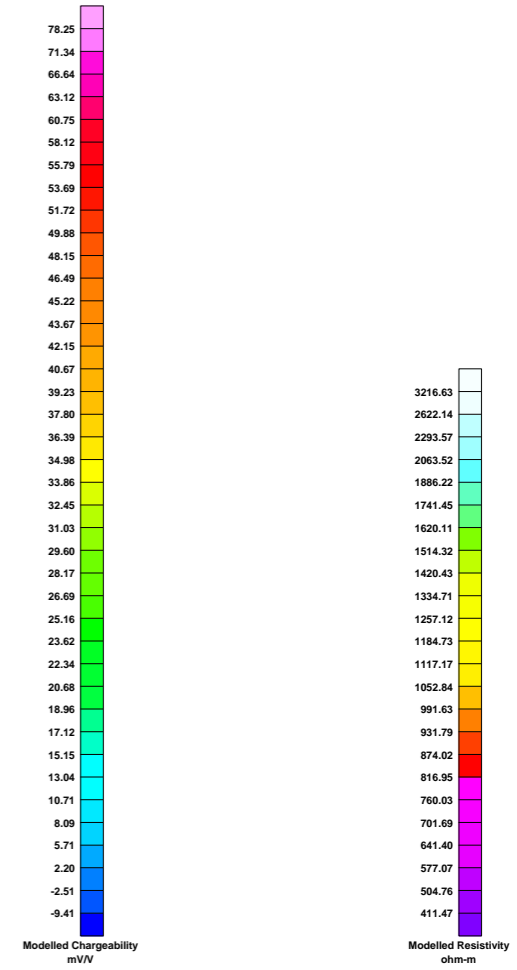
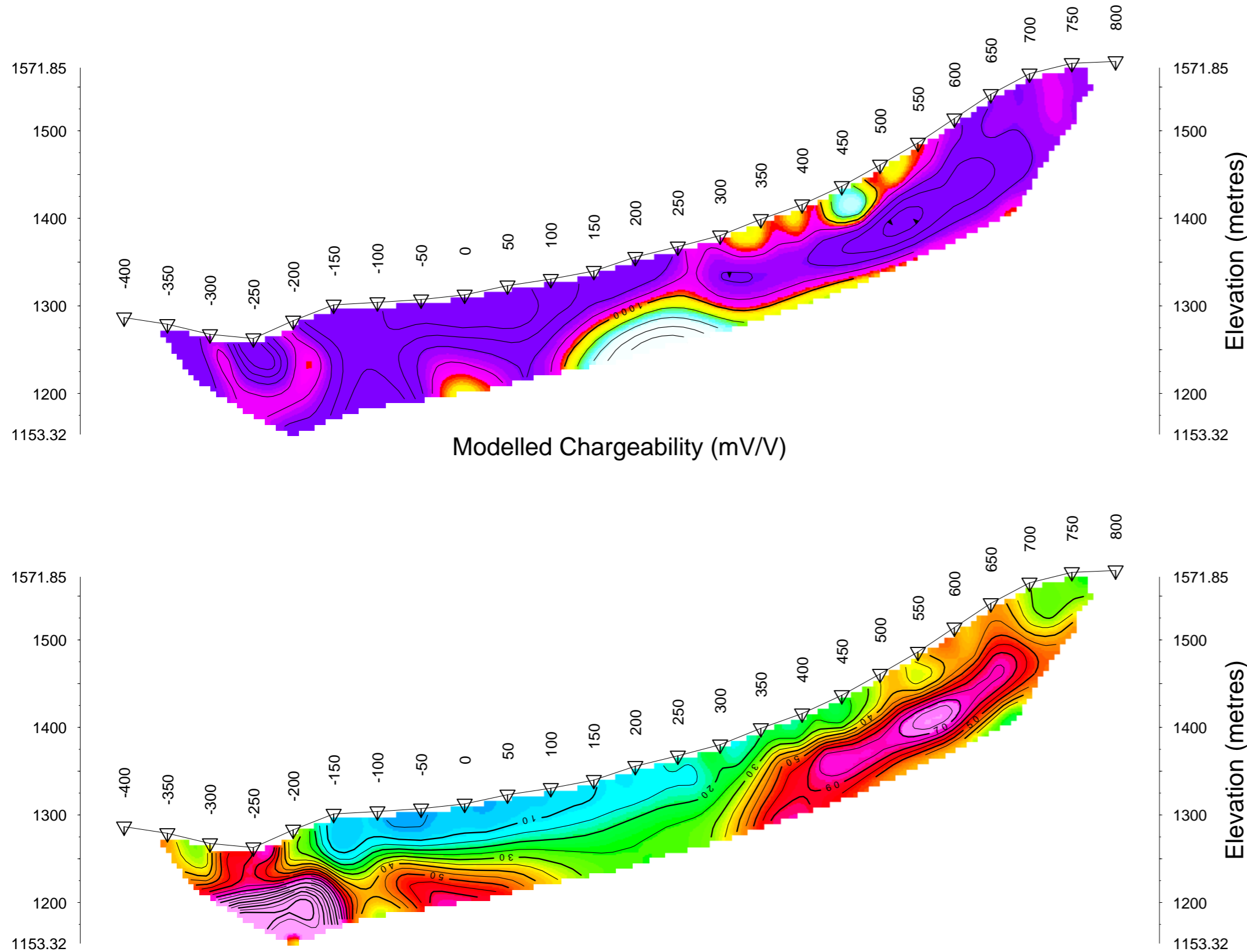
Line 2400

Pole-Dipole Array



Modelled Resistivity (Ohm-m)

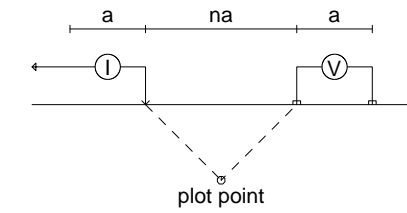
Modelled Chargeability (mV/V)



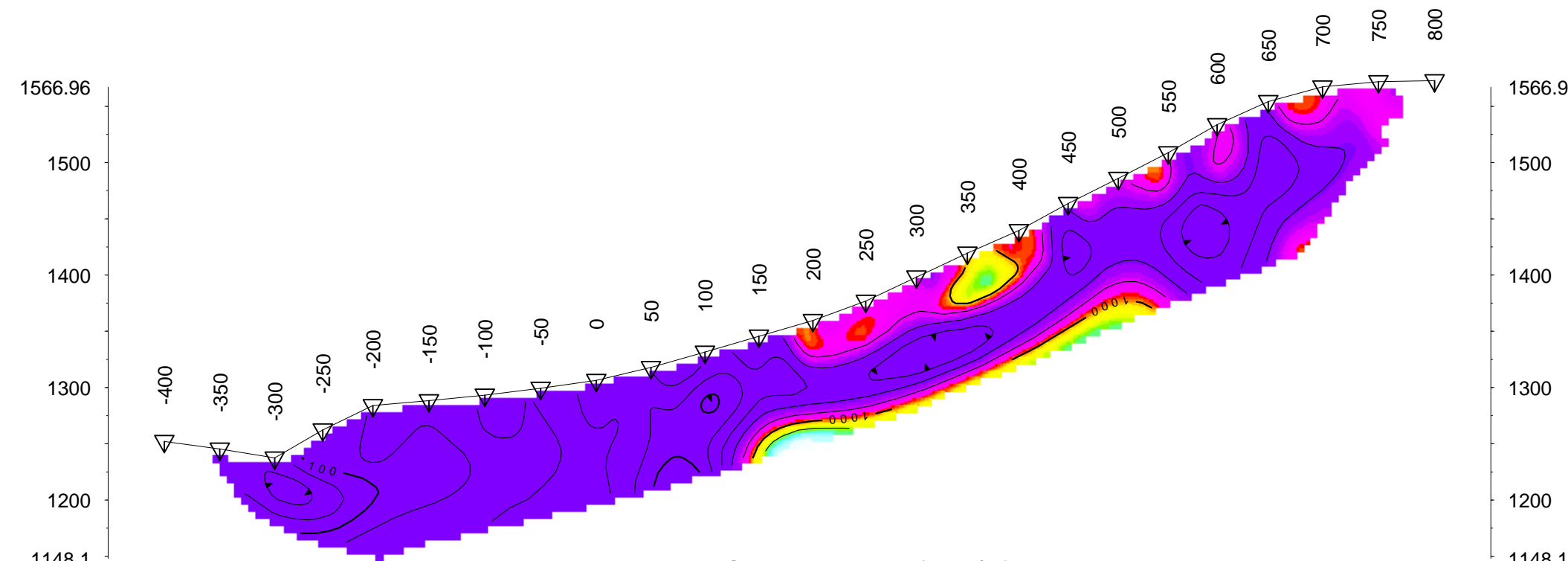
**CALLINAN MINES LIMITED**  
INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT  
BRITISH COLUMBIA  
INVERSION DATE: AUGUST 2006, RES2DINV  
PETER E. WALCOTT & ASSOCIATES LIMITED

Line 2550

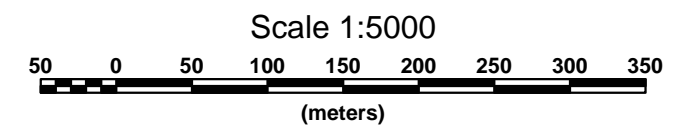
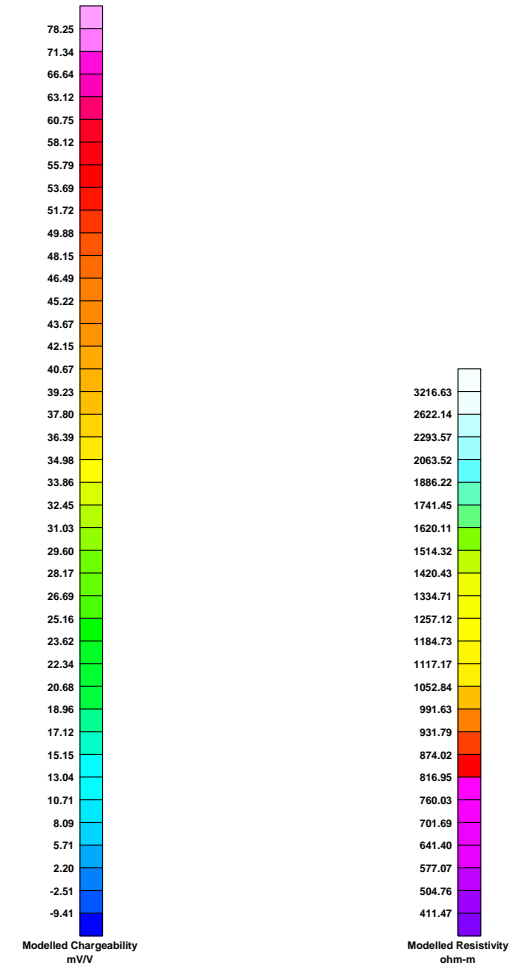
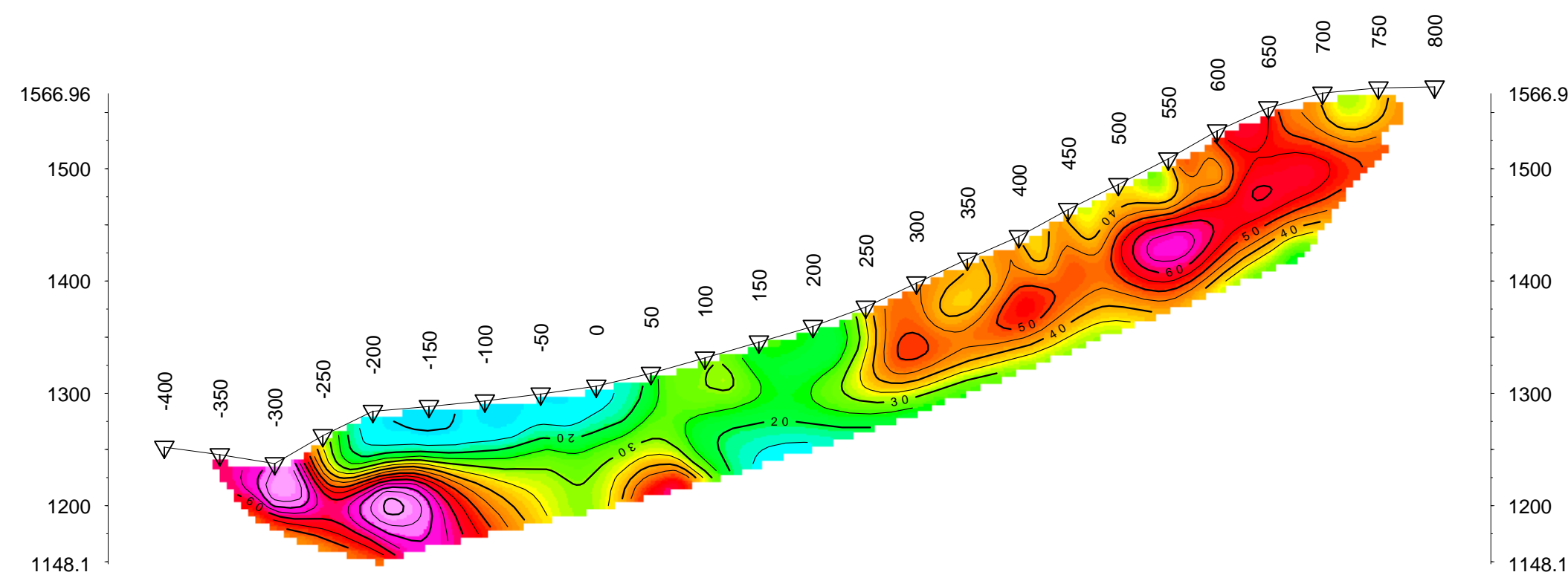
Pole-Dipole Array



Modelled Resistivity (Ohm-m)



Modelled Chargeability (mV/V)

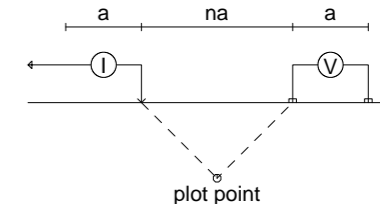


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INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT  
BRITISH COLUMBIA  
INVERSION DATE: AUGUST 2006, RES2DINV  
PETER E. WALCOTT & ASSOCIATES LIMITED

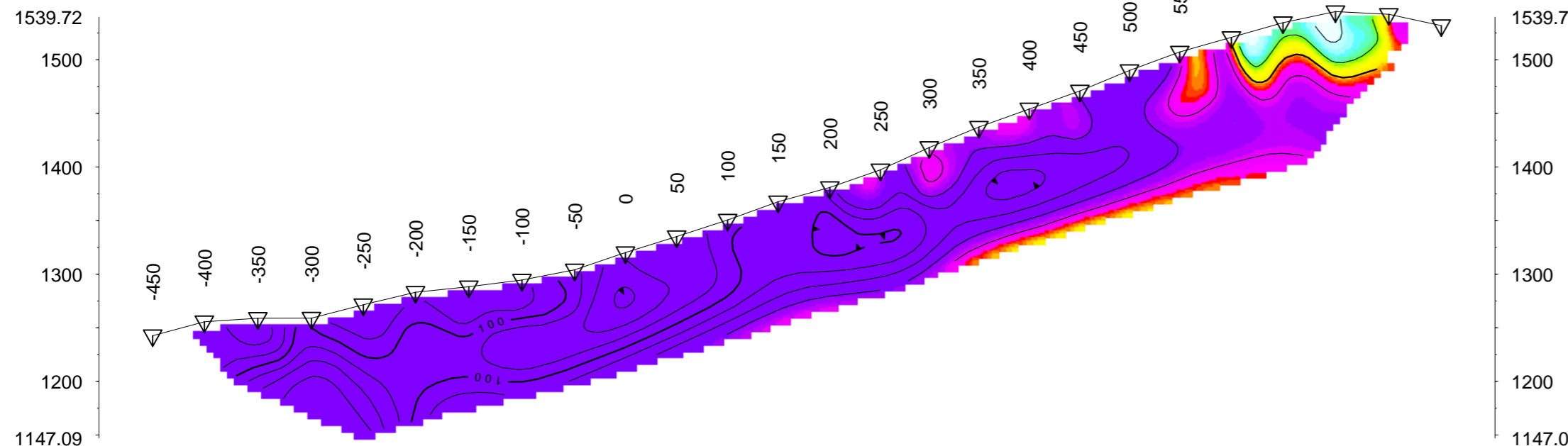


Line 2700

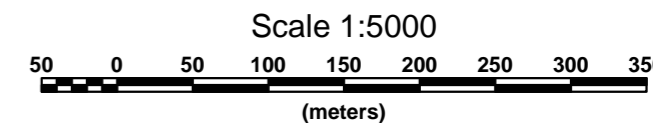
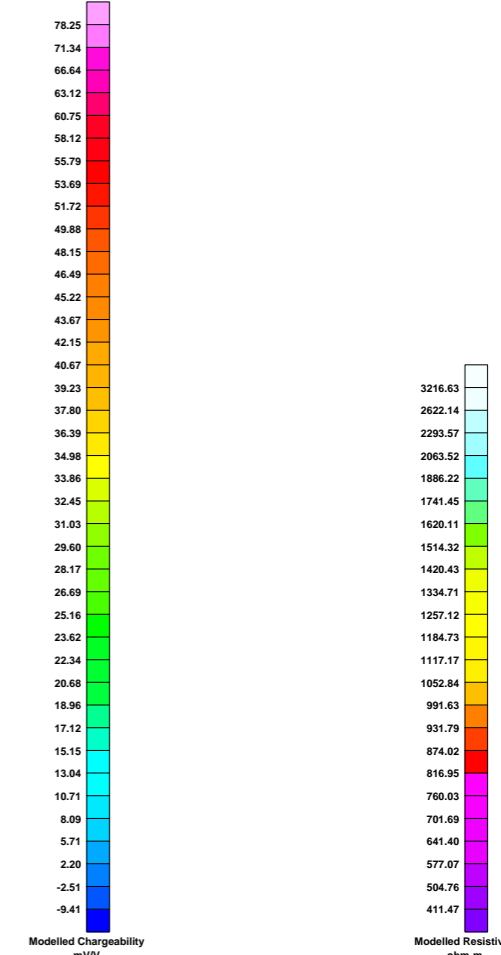
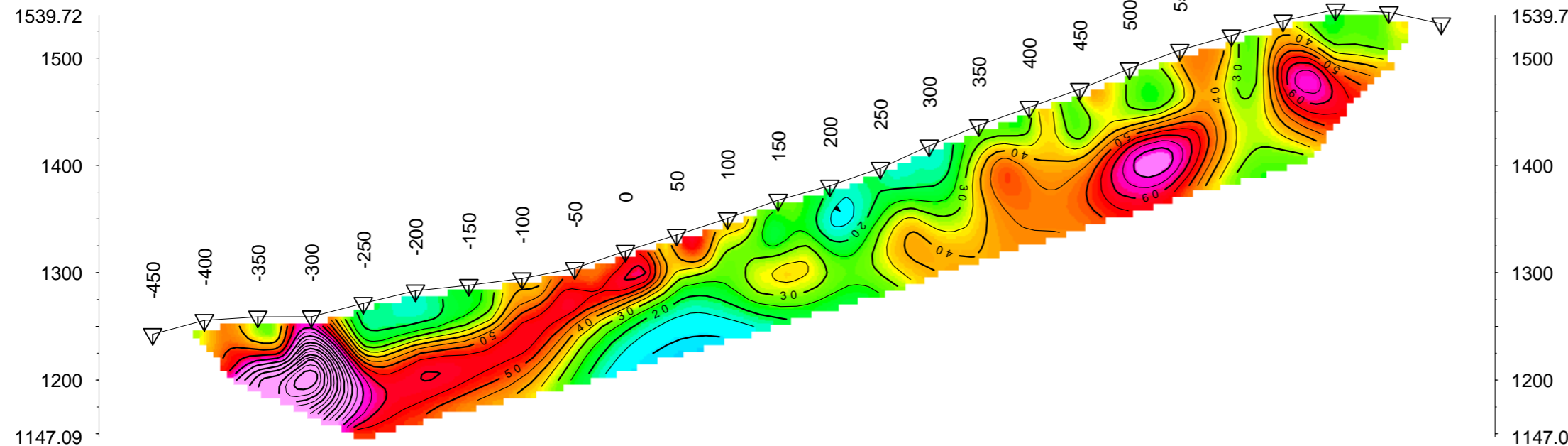
Pole-Dipole Array



Modelled Resistivity (Ohm-m)



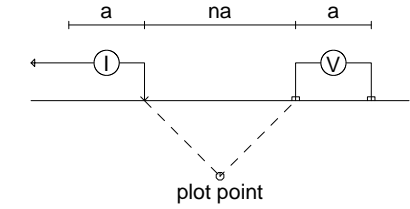
Modelled Chargeability (mV/V)



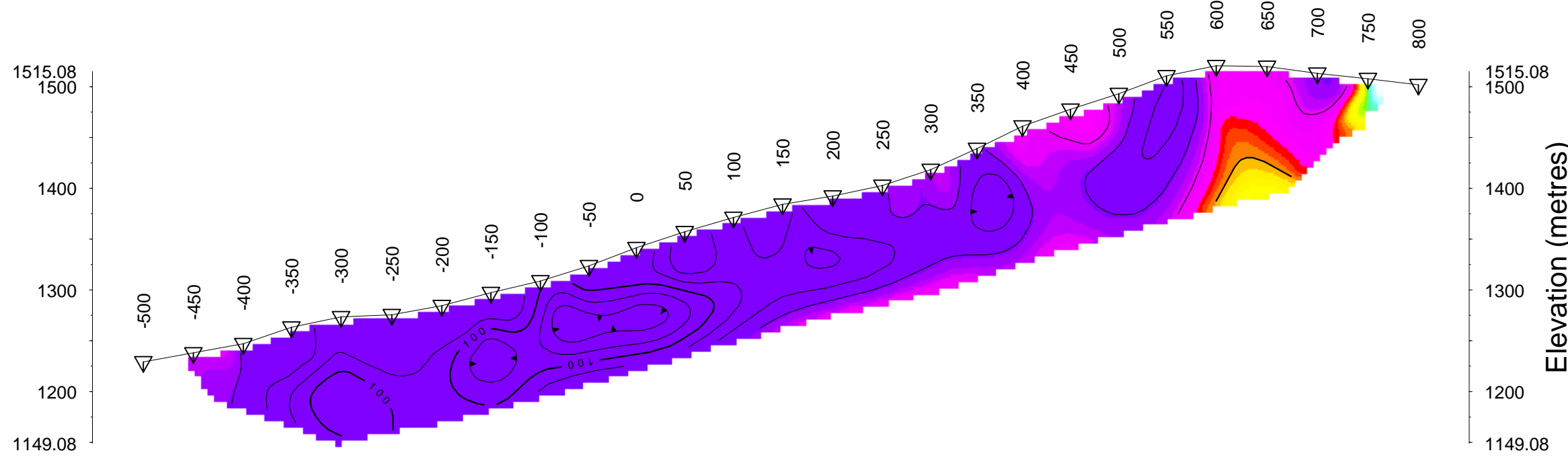
**CALLINAN MINES LIMITED**  
INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT  
BRITISH COLUMBIA  
INVERSION DATE: AUGUST 2006, RES2DINV  
PETER E. WALCOTT & ASSOCIATES LIMITED

Line 2850

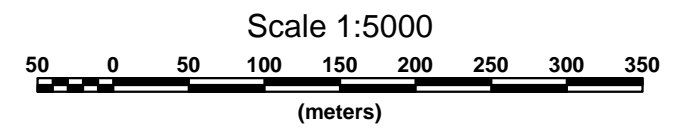
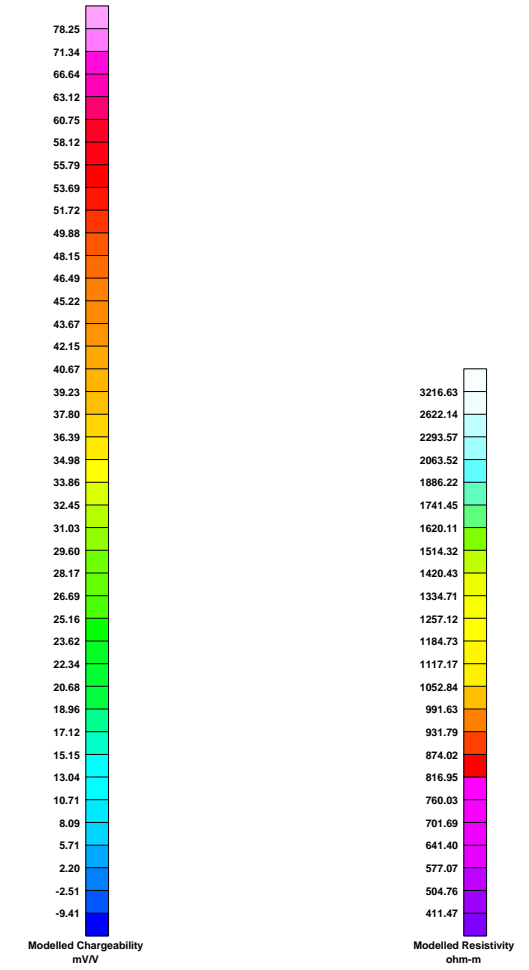
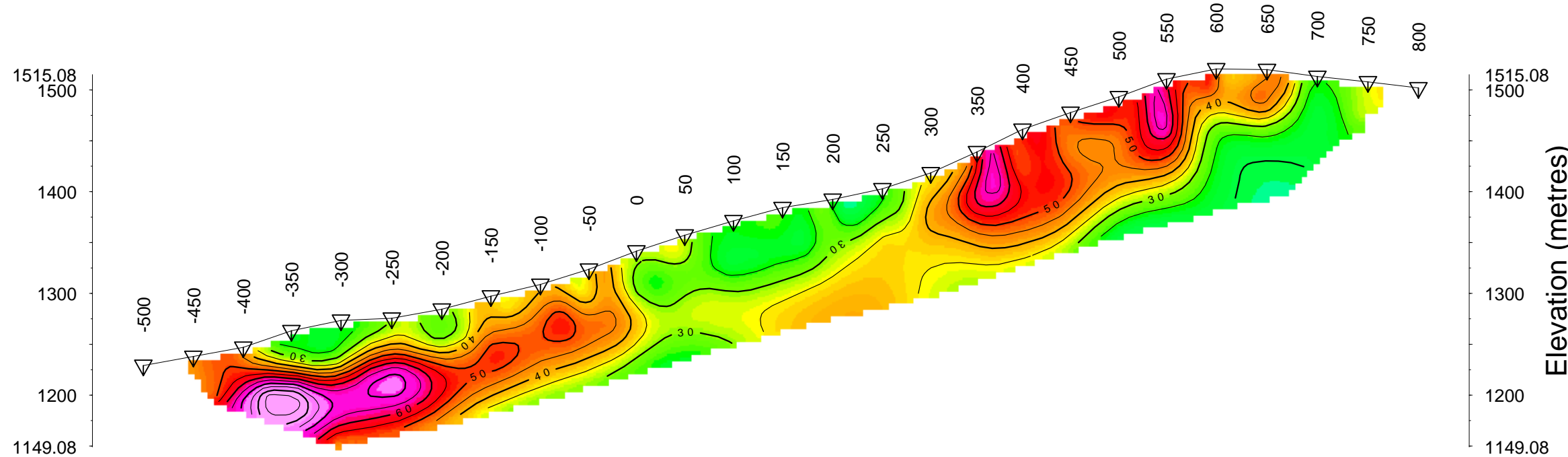
Pole-Dipole Array



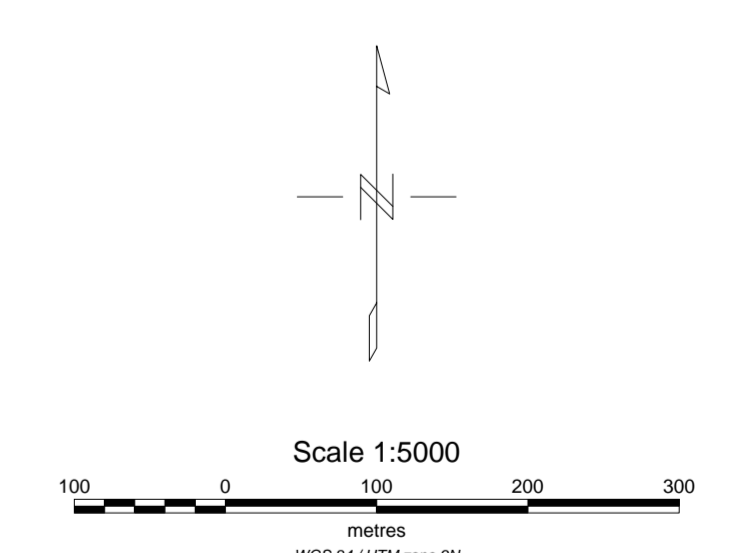
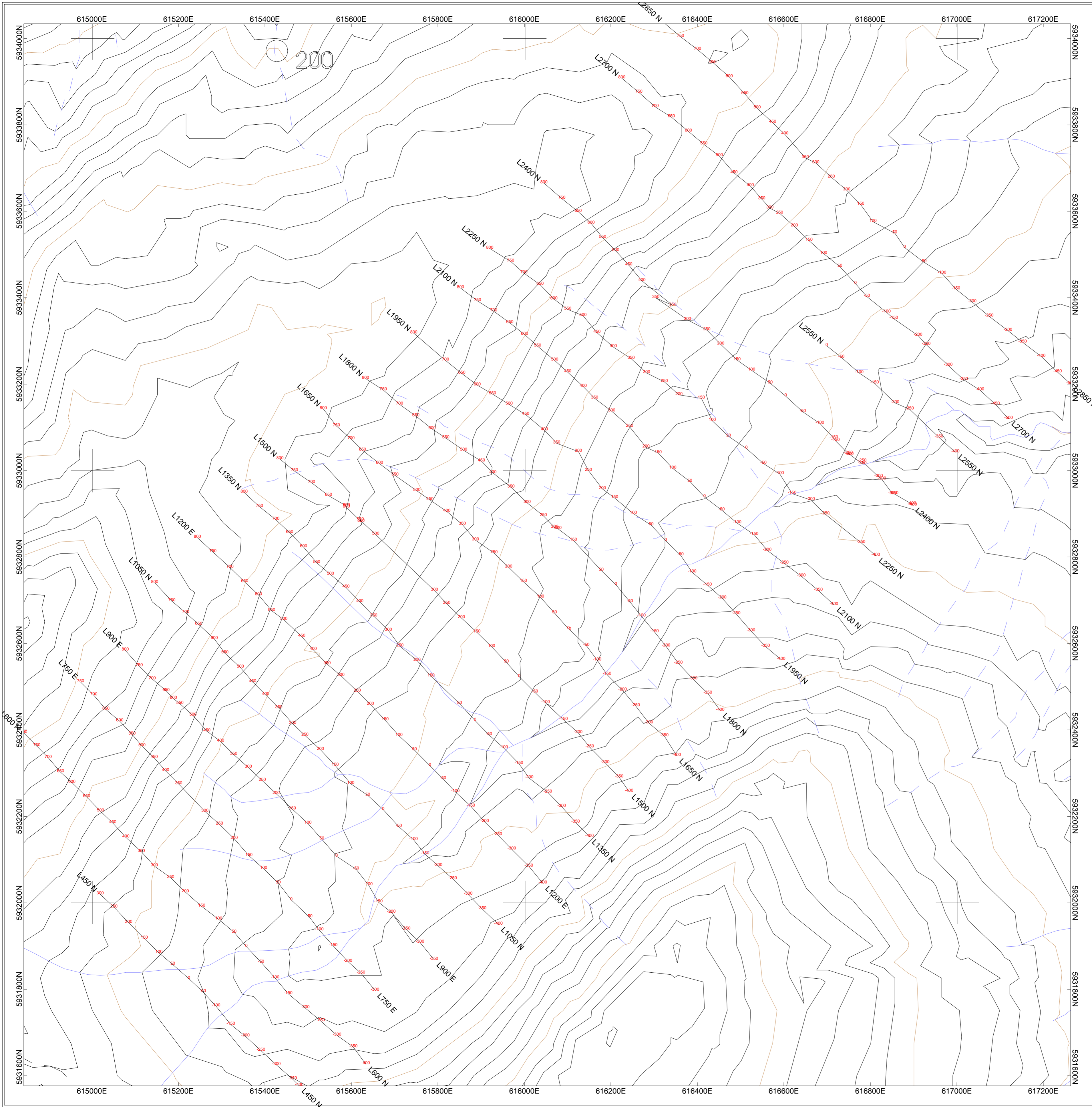
Modelled Resistivity (Ohm-m)



Modelled Chargeability (mV/V)

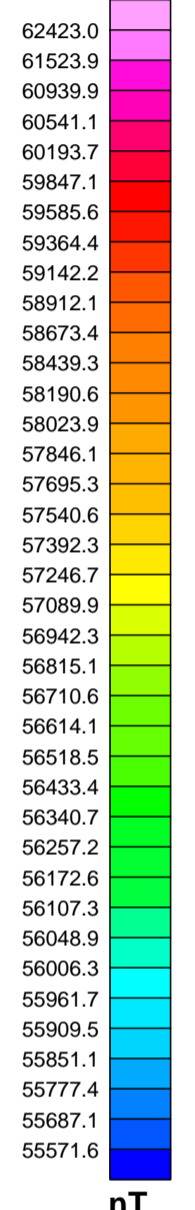
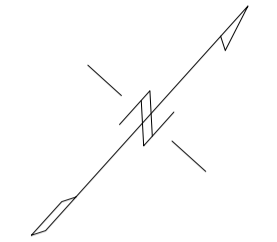
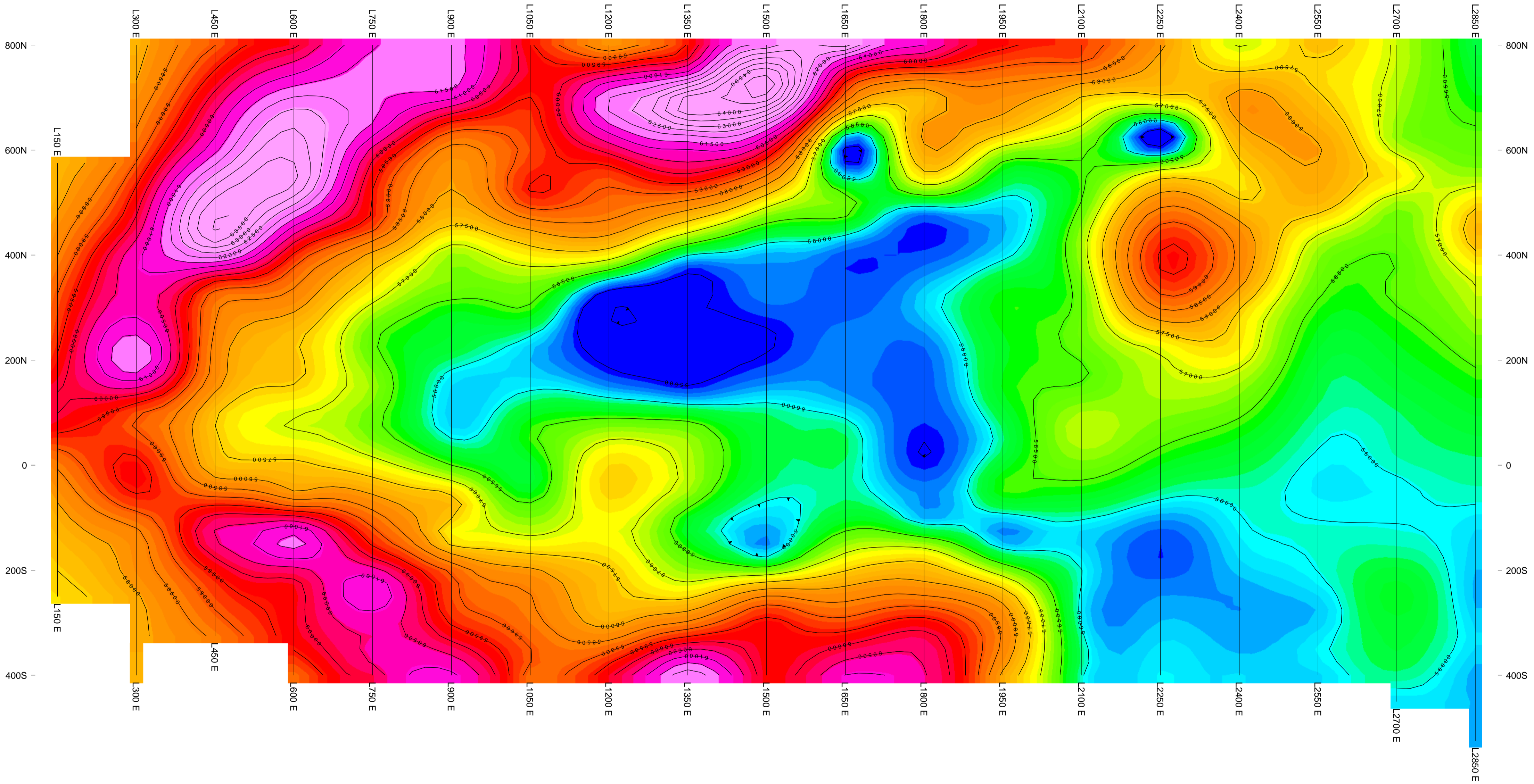


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COLES CREEK PROJECT  
BRITISH COLUMBIA  
INVERSION DATE: AUGUST 2006, RES2DINV  
PETER E. WALCOTT & ASSOCIATES LIMITED

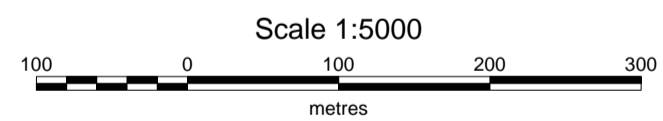


CALLINAN MINES LIMITED
GRID LOCATION MAP
COLES CREEK GRID HOUSTON AREA
PETER E. WALCOTT & ASSOCIATES LIMITED



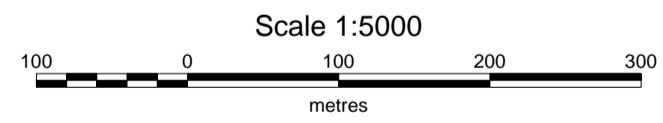
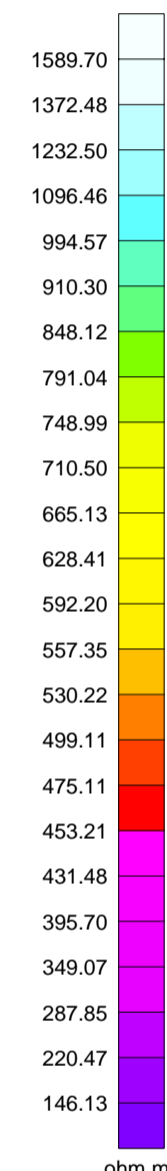
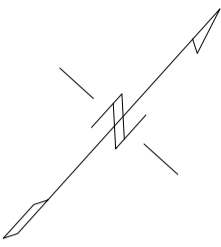
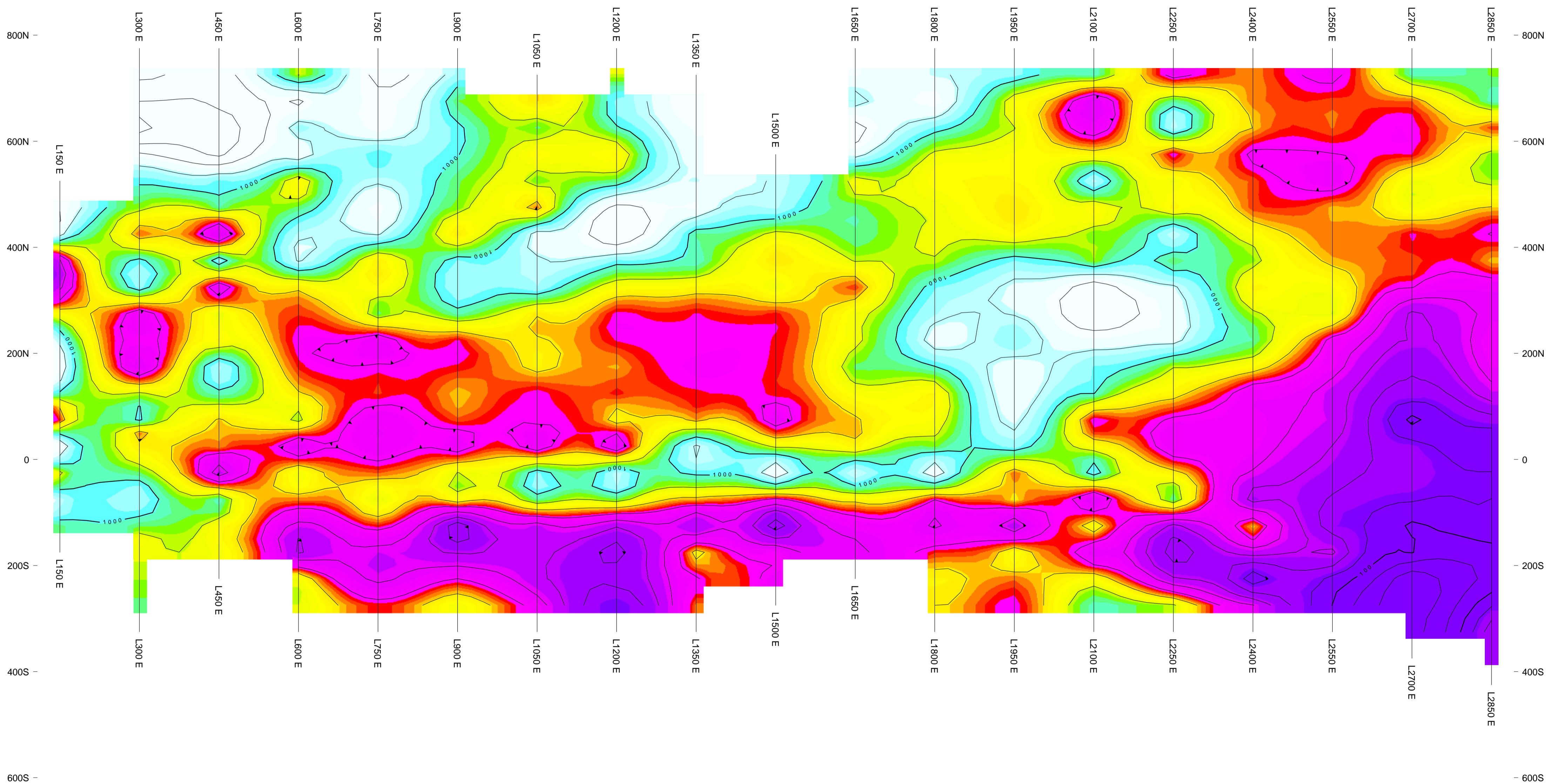


nT



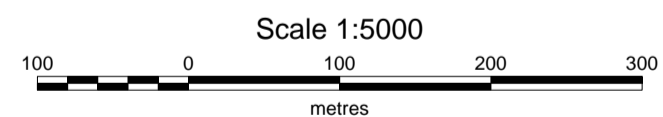
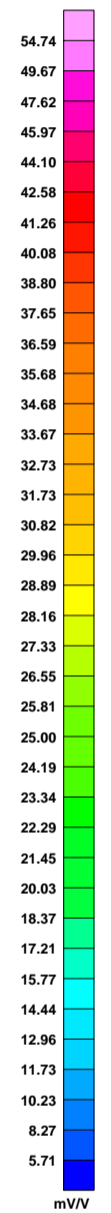
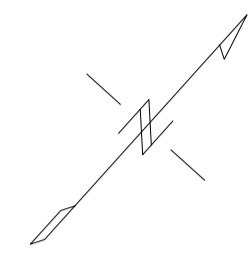
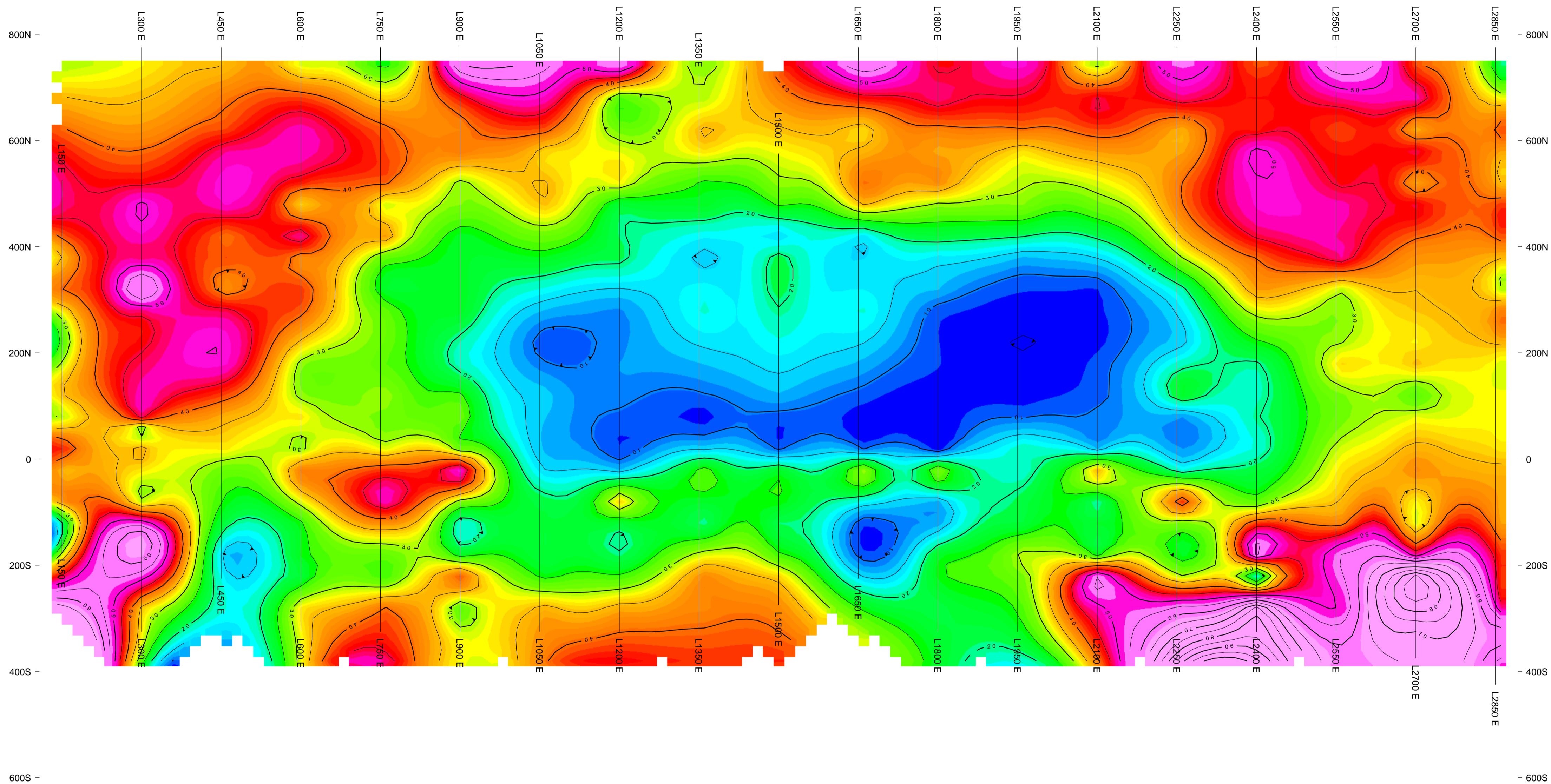
**CALLINAN MINES LIMITED**  
**MAGNETIC SURVEY**  
**CONTOURS OF TOTAL FIELD INTENSITY**  
 COLES CREEK GRID  
 HOUSTON AREA  
**PETER E. WALCOTT & ASSOCIATES LIMITED**





CALLINAN MINES LIMITED  
 INDUCED POLARIZATION SURVEY  
 CONTOURS OF APPARENT RESISTIVITY  
 n = 3  
 COLES CREEK GRID  
 HOUSTON AREA  
 PETER E. WALCOTT & ASSOCIATES LIMITED

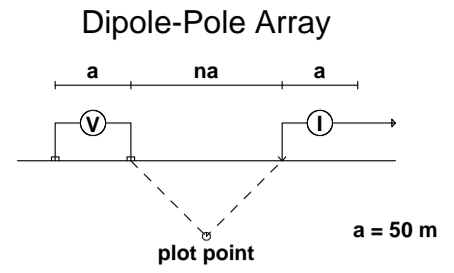
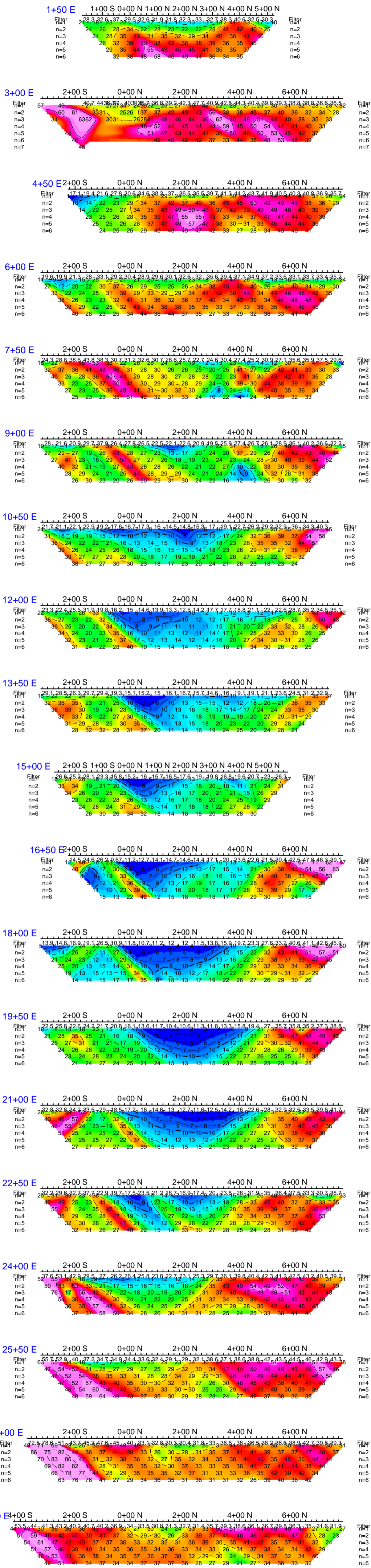




CALLINAN MINES LIMITED  
 INDUCED POLARIZATION SURVEY  
 CONTOURS OF APPARENT CHARGEABILITY  
 n = 3  
 COLES CREEK GRID  
 HOUSTON AREA  
 PETER E. WALCOTT & ASSOCIATES LIMITED

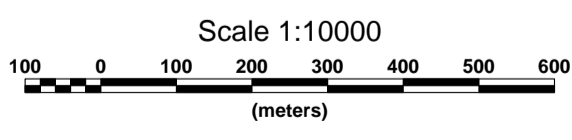


# Apparent Chargeability (mV/V)



Instruments: HUNTEC 7.5 kw Tx, ELREC PRO Rx

Frequency: 0.125 Hz.  
Operators: A.C., S.P., R.H.



CALLINAN MINES LIMITED

INDUCED POLARIZATION SURVEY  
COLES CREEK PROJECT

Date: JULY 2006  
Interpretation:

PETER E. WALCOTT & ASSOCIATES LIMITED



# Apparent Resistivity (ohm-m)

**1+50 E**

Filter	989	970	145	1635	453	834	729	465	446	487	538	703	749	766	1098
n=2	1698	912	711	1824	477	771	1156	856	739	490	292	1143	1686	2260	950
n=3	886	1200	716	1737	483	963	1625	1231	645	297	309	1468	1765		
n=4	1105	1231	655	1706	542	1234	2106	1022	425	319	394	1516			
n=5	1163	1144	643	1816	648	1487	1687	741	448	409	415				
n=6	1083	1136	714	2103	774	1211	1194	762	559	429					

**3+00 E**

Filter	894	743	1010	67	4356	999	595	797	713	821	708	761	874	888	837	1290	1830	1890	1590	2159	2139	
n=2	1698	912	711	1824	477	771	1156	856	739	490	292	1143	1686	2260	950							
n=3	886	1200	716	1737	483	963	1625	1231	645	297	309	1468	1765									
n=4	1105	1231	655	1706	542	1234	2106	1022	425	319	394	1516										
n=5	1163	1144	643	1816	648	1487	1687	741	448	409	415											
n=6	1083	1136	714	2103	774	1211	1194	762	559	429												

**4+50 E**

Filter	2655	565	383	701	704	895	730	714	763	828	858	726	1099	1099	1449	1610	1419	1219	1219	1339	1301
n=2	477	541	621	472	703	335	825	1213	1085	508	427	1375	333	1056	929	1896	1862	2046	1829	2251	2025
n=3	693	641	965	272	512	560	952	1257	620	747	339	1192	284	923	1061	2511	2875	2884	2042	2293	2130
n=4	734	872	615	213	744	603	961	858	786	726	404	964	276	1044	1300	2088	2606	2130			
n=5	936	558	491	287	782	584	855	1036	741	842	424	901	318	1380	1181	2056	2601				
n=6	603	444	652	314	751	551	1026	1075	818	835	428	1007	402	1318	1153	1789					

**6+00 E**

Filter	2156	349	375	614	718	888	644	479	470	520	616	657	985	906	938	1199	1499	1499	1499	1499	1499
n=2	399	477	553	230	509	644	257	673	421	374	456	570	683	1259	1108	967	1955	472	1487	1745	2241
n=3	749	710	229	292	510	721	321	801	572	467	431	520	577	1385	1283	882	1392	1565	1155	1890	772
n=4	1106	788	315	290	567	893	419	1050	657	438	336	492	622	1537	1267	1014	1161	1454	1548	886	
n=5	886	825	348	333	681	1118	498	1169	601	514	437	534	687	1448	295	985	1074	2018	606		
n=6	991	678	375	388	847	1352	536	1034	549	489	456	630	696	826	1458	947	1547	874			

**7+50 E**

Filter	3040	439	434	618	530	861	447	497	477	622	377	873	829	1293	73	1830	1011	190	497	28	10
n=2	524	731	249	405	602	584	295	276	359	284	405	409	811	727	875	1483	1017	1533	2081	1691	1792
n=3	468	296	288	462	748	498	358	357	480	438	350	870	632	666	1732	1679	1293	1004	1741	1592	1974
n=4	443	307	333	550	766	585	441	446	653	340	755	796	514	651	1733	2271	1051	1242	1654	1642	
n=5	438	372	376	568	913	678	523	576	475	694	724	723	568	861	2384	1959	1334	1249	1676		
n=6	517	417	419	684	1051	768	652	984	948	675	703	940	879	1252	2191	2489	1280	1282			

**9+00 E**

Filter	4078	639	396	818	671	669	615	652	541	581	616	764	824	901	1099	874	1040	991	1040	997	1140
n=2	526	528	369	134	557	856	292	375	437	737	603	749	1250	983	921	682	723	788	757	682	1203
n=3	691	427	231	147	670	754	361	491	552	460	447	936	1187	1101	979	825	860	1022	1057	845	1214
n=4	530	284	243	163	650	924	459	578	690	533	619	909	1159	701	1041	1034	1279	1318	1287	873	
n=5	439	296	267	192	779	1171	578	516	806	785	609	974	737	1251	1277	1443	1587	1716	1843		
n=6	474	324	236	222	928	1347	544	593	1068	760	610	874	1358	1507	1839	1759	1978	1887			

**10+50 E**

Filter	1963	318	297	636	818	471	447	79	569	594	610	598	893	1040	1189	1830	1470	1990	943	729	890
n=2	376	380	239	206	1473	870	282	378	380	326	495	928	1291	1245	1464	1223	430	509	789	322	346
n=3	372	249	260	278	846	1123	349	451	433	603	572	569	1229	1264	1488	509	841	627	685	453	
n=4	266	260	325	221	1235	1297	395	499	679	668	534	554	1212	1375	770	1164	1047	600	1433		
n=5	276	242	294	319	1309	1458	409	713	696	619	548	549	1285	755	1797	1403	987	774			
n=6	322	289	364	342	1525	1507	548	712	644	635	551	579	712	1709	1990	1868	1718				

**12+00 E**

Filter	1239	202	199	536	758	384	605	582	594	584	558	892	821	1050	1390	1400	1270	1290	824	748	1030
n=2	86	133	125	105	625	1039	303	544	486	482	338	481	449	1143	2488	2103	2316	643	677	1053	753
n=3	129	202	162	244	840	1316	332	623	463	539	450	346	670	1080	2385	1923	880	494	977	1137	833
n=4	183	244	311	318	956	1400	378	672	553	664	511	521	699	1095	2132	906	734	1072	893	1059	
n=5	214	415	377	357	1002	1493	418	778	647	456	474	559	723	1008	952	807	1583	996	827		
n=6	335	481	413	368	1185	1633	486	891	688	677	510	589	950	504	878	1528	1392	950			

**13+50 E**

Filter	3428	451	344	455	799	885	568	581	596	658	626	662	637	827	1050	1390	1730	1690	1390	1100	1520
n=2	377	498	436	335	335	965	1097	441	528	348	372	335	461	641	786	1800	2095	1741	1208	1584	1170
n=3	510	404	614	229	520	1052	1528	475	461	420	453	450	620	986	900	1642	1238	1520	1635	2000	
n=4	402	524	425	280	465	1117	1357	512	557	491	579	576	876	1056	887	1226	1188	2015	2087		
n=5	507	352	493	271	481	1195	1456	609	640	613	710	784	896	988	579	991	1568	2479			
n=6	344	412	468	272	630	1273	1715	681	783	732	953	795	835	639	578	1300	1808				

**15+00 E**

Filter	3640	854	619	1130	517	483	664	636	649	652	649	648	596	888	1027	1389	1499	1499	1499	1499	1499
n=2	384	531	313	172	551	587	328	384	390	357	344	405	669	488	1040	1038	998				
n=3	369	421	152	403	1688	716	372	469	472	459	465	697	557	708	1265	1296					
n=4	308	199	333	443	1911	786	419	546	556	582	755	620	715	847	1186						
n=5	141	404	355	501	2011	882	464	622	689	974	656	745	821	774							
n=6	279	401	393	527	2184	965	526	730	1120	808	761	838	738								

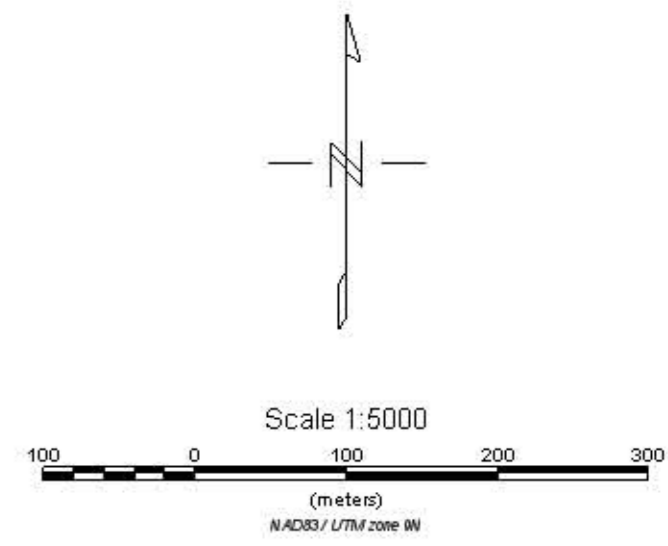
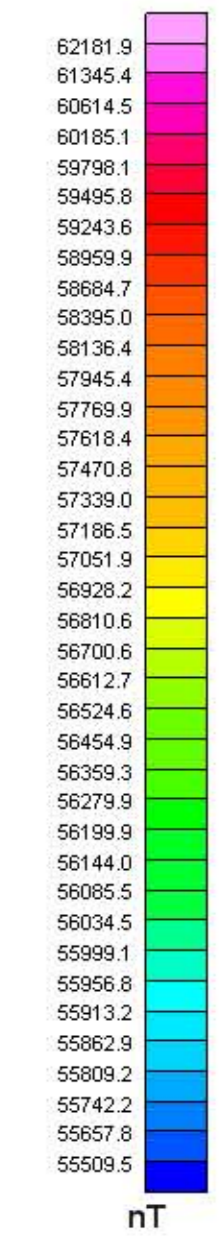
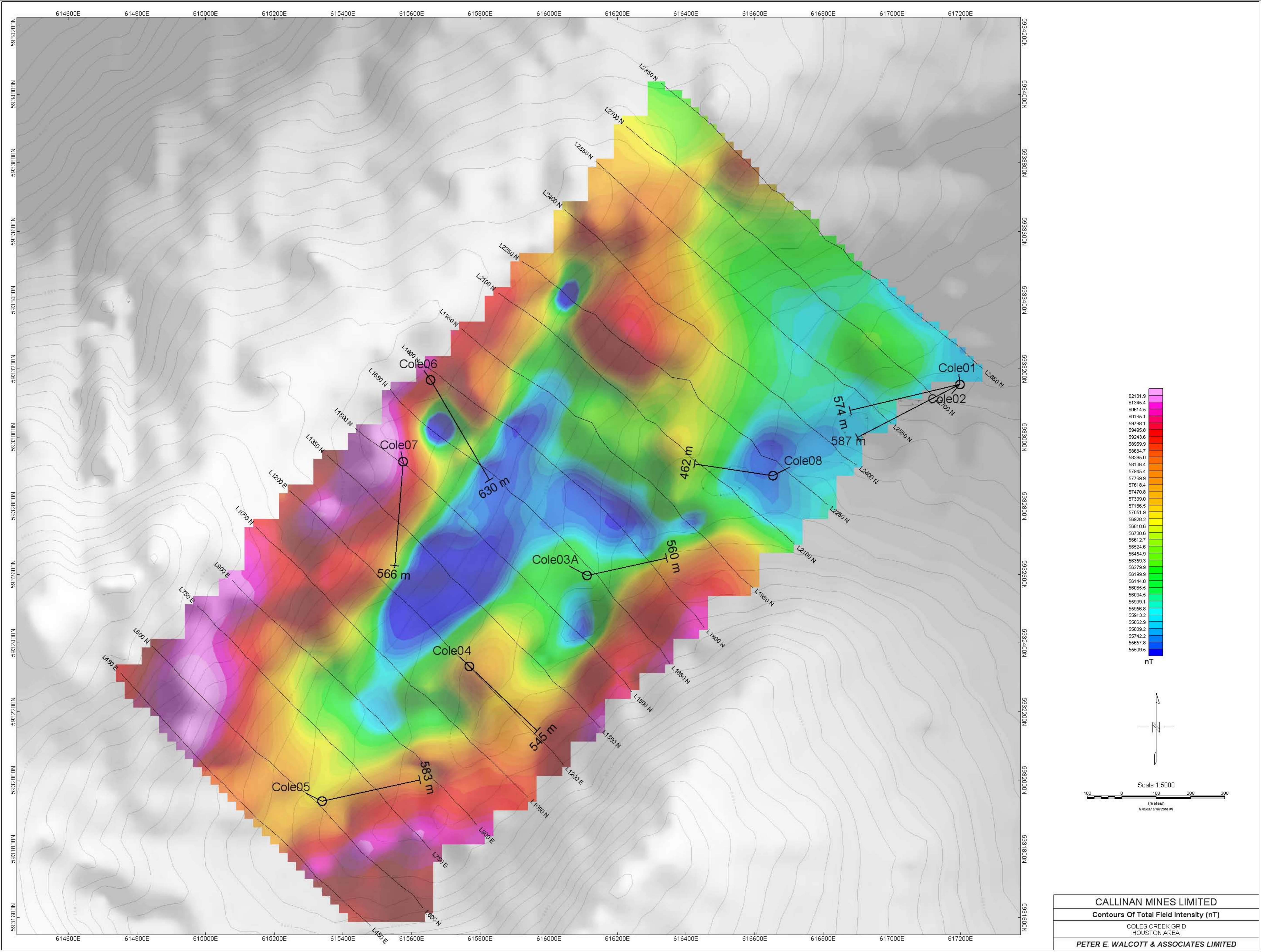
**16+50 E**

Filter	6842	609	208	608	609	609	609	609	609	609	609	609	609	609	609	609	609	609	609	609	609
n=2	789	198	531	973	288	827	469	692	797	663	497	467	800	938	804	1095	1679	1071	1020	2253	
n=3	293	365	598	1406	598	550	741	867	698	715	476	764	900	896	680	1457	1991	1225	1618		
n=4	445	371	792	1684	690	740	758	802	725	687	668	861	804	766	880	1674	2072	1814			
n=5	431	442	905	1876	897	841	673	800	701	978	741	801	664	936	1001	1692	2671				
n=6	504	491	940	2415	964	729	683	775	937	1072	744	635	863	1034	1016	2207					

**18+00 E**

Filter	452	470	451	540	1030	599	711	699	933	953	984	919	981	1010	911	781	867	1000	1090	918	1120
n=2	426	574	642	350	340	690	847	318	765	967	1152	1174	953	1161	632	624	838	765	1199	1297	





CALLINAN MINES LIMITED  
 Contours Of Total Field Intensity (nT)  
 COLES CREEK GRID  
 HOUSTON AREA  
 PETER E. WALCOTT & ASSOCIATES LIMITED



