



AURORA GEOSCIENCES

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MEMORANDUM

To: Sarah Eaton
Strategic Metals Ltd

Date: December 2, 2010

From: Ian Kickbush

**BC Geological Survey
Assessment Report
32236c**

Re: Tagai Property IP

This is a field report describing a modified pole-dipole induced polarization (IP) survey conducted on the Tagai Property in the Prince George mining district, British Columbia. The survey was done over five lines (one group of three and one group of two lines separated by approximately three km) totaling 5.75 line-kms.

Survey location: The Tagai grid is located 443008E, 5923011N, NAD83 Zone 10N. The project area is located on NTS map sheet 093G05. The geophysics project, including mobe and demobe days, extended from Oct 25 – Nov 4, 2010. The lines were cut prior to the arrival of the IP crew.

a. Crew and equipment.

The following personnel conducted the surveys:

Genevieve Hetu	Crew chief	Oct 25 – Nov 2
Gerald Nadeau	Helper	Oct 25 – Nov 4
Jessica Blumer	Helper	Oct 25 – Nov 2
Dan Mawhinney	Helper	Oct 25 – Nov 2

The crew was equipped with the following instruments and equipment:

IP receiver	1	Iris Elrec Pro
IP transmitter	1	GDD TxII 3.6 kW
Generator	1	Honda 5kW generator
IP equipment	1	Repair tools & spare IP parts
	5 km	14 gauge wire
	5	VHF handheld radios
		Georeels & spools, 100m 6 pin IP cables, 50m 10 pin IP cables, stainless steel electrodes
Other	1	Laptop with Geosoft IP package
	1	Sat phone
	1	Truck

b. Survey specifications.

The modified pole-dipole IP surveys were conducted according to the following specifications:

Array	Modified pole-dipole
Dipole spacing	50 m
Dipoles Read	N=1 through 10
Tx	Time domain, 50% duty cycle, reversing polarity, 0.125 Hz.
Stacks	Minimum 15
Rx error	5 mV/V or less, otherwise repeated several times until repeatability assured.
Grid registration	Handheld GPS points at line ends and every 200m minimum averaged 60 s or until estimated accuracy < 10 m, whichever was longer. All coordinates in NAD83 UTM Zone 10N.
Stationary electrode	At Stn -300 (W end of line).

c. Data Processing.

Data was downloaded nightly from the receiver and imported into Geosoft Oasis Montaj IP package. Every reading was inspected and readings which did not repeat were rejected from the database. Apparent resistivity was recalculated using a four electrode equation assuming a homogeneous earth. Average apparent resistivity and chargeability were calculated using a weighted mean based on the number of stacks and the standard deviation of the chargeability.

GPS points were dumped from the non-differential handheld units and the coordinates for the stations determined by linear interpolation between stations.

Pseudosections of apparent resistivity, apparent chargeability and apparent chargeability error, draped over topography, were produced with Oasis Montaj. These pseudosections are included with this report in PDF format as well as packed Oasis Montaj map files.

d. Products.

The following files are included in the digital version of this report:

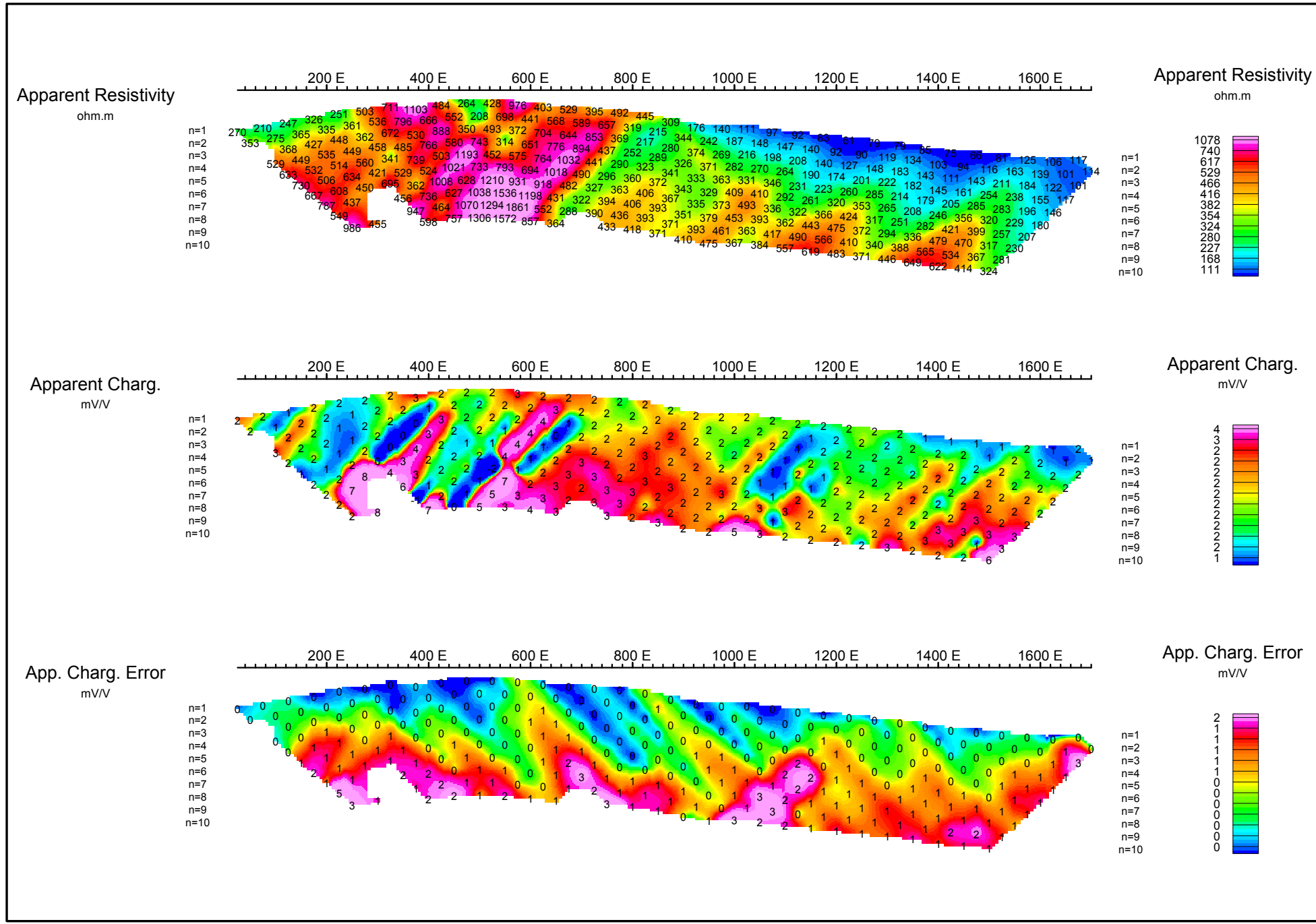
Taiga_Grid_Final.gdb	Final data in Geosoft gdb and ASCII XYZ format.
Taiga_Grid_Final.xyz	
Channels.txt	A description of channels in the IP databases
GPS_NAD83_10N.txt	Coordinate data from handheld, non-differential GPS systems in ASCII format.. All GPS coordinates taken in NAD83, UTM zone 10N coordinates.
Tagai_Grid_Map.pdf	Grid Map showing the IP lines done draped over topo contours.
Tagai_Lines.map	Pseudosections in Geosoft map format.
Tagai_Lines.pdf	Pseudosections in PDF format.
Raw data	Contains all the IP receiver and GPS instrument dump files,

	organized by date.
SMD-10574-BC IP Field Report.pdf	A PDF of this report.
SMD-10574-BC IP Daily Report.pdf	Daily crew log.

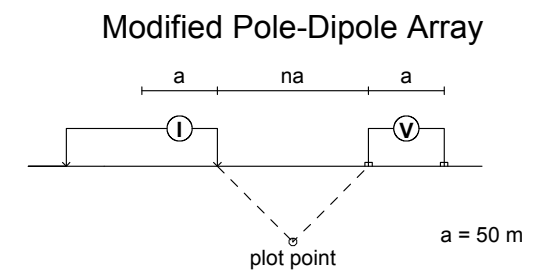
Respectfully submitted,
AURORA GEOSCIENCES LTD.

Ian Kickbush
B.Sc.

FIELD



PSEUDOSECTION PLOTS 2 N

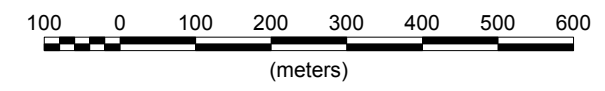


Stationary electrode at -300E (moving E).

Receiver: Iris ElrecPro
 Transmitter: GDD Tx-II 3.6kW
 Data File: Tagai_IP_Final.gdb
 Dates Surveyed : Oct 25 - Nov 4, 2010

FIELD

Scale 1:10000



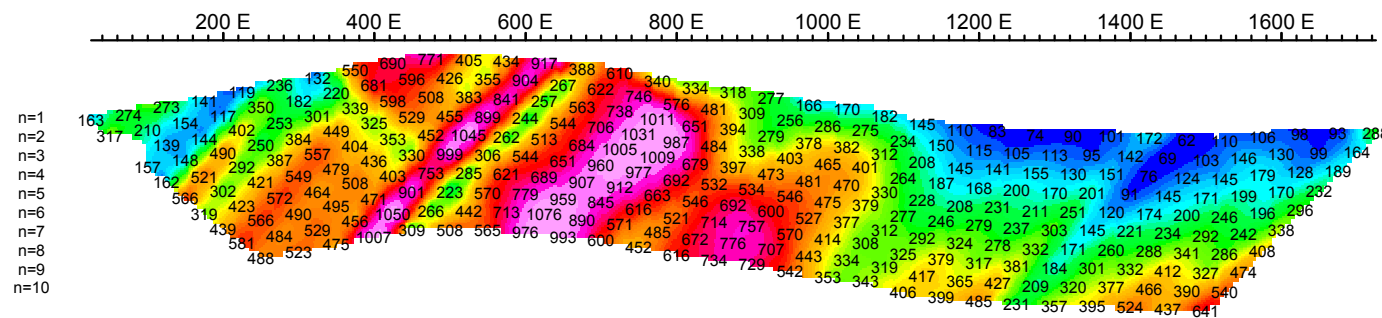
STRATEGIC METALS LTD.

INDUCED POLARIZATION SURVEY
 Tagai Grid
 PSEUDOSECTION PLOTS 2 N

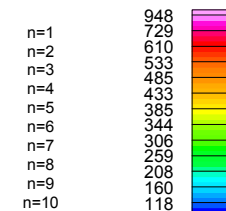
Mining District: Prince George NTS: 093G05
 Date: Dec 2, 2010 Job: SMD-10574-BC

AURORA GEOSCIENCES LTD.

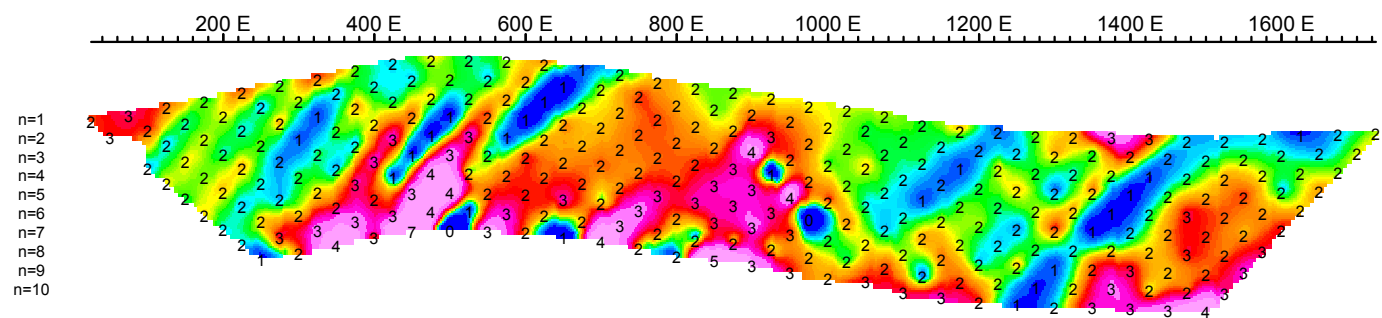
Apparent Resistivity
ohm.m



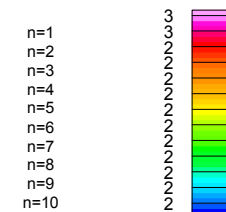
Apparent Resistivity
ohm.m



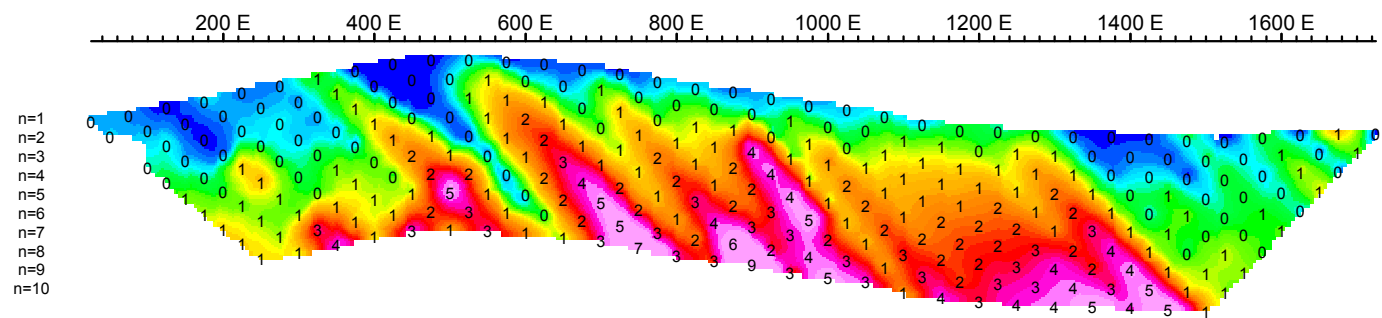
Apparent Chrg.
mV/V



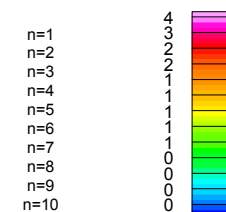
Apparent Chrg.
mV/V



App. Chrg. Error
mV/V

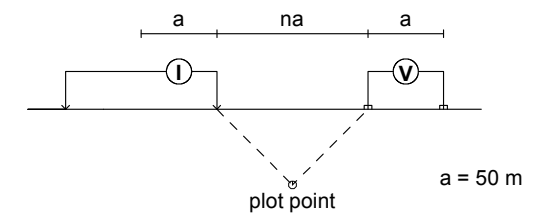


App. Chrg. Error
mV/V



PSEUDOSECTION PLOTS 3 N

Modified Pole-Dipole Array



Stationary electrode at -300E (moving E).

Receiver: Iris ElrecPro

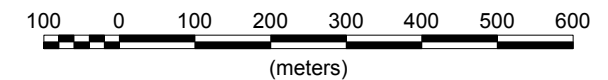
Transmitter: GDD Tx-II 3.6kW

Data File: Tagai_IP_Final.gdb

Dates Surveyed : Oct 25 - Nov 4, 2010

FIELD

Scale 1:10000



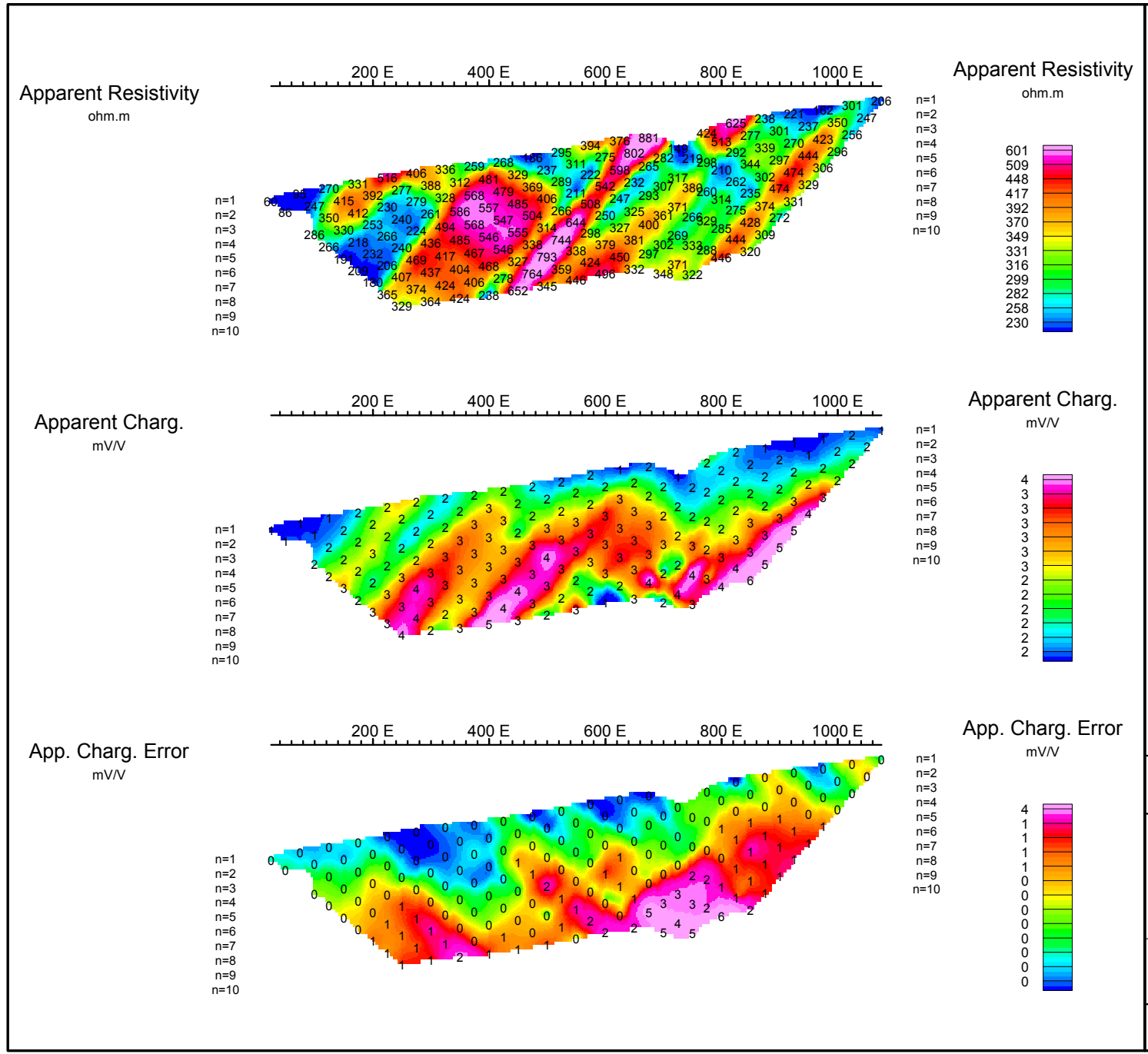
STRATEGIC METALS LTD.

INDUCED POLARIZATION SURVEY Tagai Grid PSEUDOSECTION PLOTS 3 N

Mining District: Prince George
Date: Dec 2, 2010

NTS: 093G05
Job: SMD-10574-BC

AURORA GEOSCIENCES LTD.



PSEUDOSECTION PLOTS 5 N

Modified Pole-Dipole Array

Stationary electrode at -300E (moving E).

Receiver: Iris ElrecPro
 Transmitter: GDD Tx-II 3.6kW
 Data File: Tagai_IP_Final.gdb
 Dates Surveyed : Oct 25 - Nov 4, 2010

FIELD

Scale 1:10000

100 0 100 200 300 400 500 600
(meters)

STRATEGIC METALS LTD.

INDUCED POLARIZATION SURVEY
 Tagai Grid
 PSEUDOSECTION PLOTS 5 N

Mining District: Prince George NTS: 093G05
 Date: Dec 2, 2010 Job: SMD-10574-BC

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MEMORANDUM

To: Sarah Eaton
Strategic Metals Corp.

Date: January 7, 2011

From: Andre Lebel

Re: 2010 Tagai Property IP survey – 2D Inversion supplement

This memorandum is a supplement to the field report describing the data inversion steps taken to model the resistivity / induced polarization data provided in the field report.

a. Data Inversion.

The final resistivity data and final chargeability data were modeled using the dcip2d inversion software developed by the University of British Columbia – Geophysical Inversion Facility. This software produces a best fit model of both chargeability (mV/V) and DC (ohm.m) data in local coordinates.

The IP data was exported from the Tagai Grid final database in the appropriate format. The final DC data exported and assigned an error of 5%+0.001 V/A in the inversion software. Both the resistivity and chargeability inversions were initially run using default background resistivity and chargeability. The inversions were repeated several times until an appropriate chi-factor resulted in convergence and provided a reasonable match between the observed and predicted data. Additionally, models were created using a background resistivity and chargeability. These can be used as robustness checks of the models – where the two versions differ significantly, the model is not robust. The images of the models are compared using the depth of investigation (DOI) which compares the two models by taking the normalized difference of the two and dummies the values of the model where they differ by 0.01. Comparing the different models establishes which features are robust and which ones are just artifacts of that inversion software.

The models created using default background resistivity and chargeability were imported into the Geosoft Oasis Montaj software package. Padding cells were

removed and grids were created using a log-linear scale for resistivity and a linear scale for chargeability. Composite sections were created for each line comparing the 2D inversions models with the observed pseudosections. These composite sections are attached to this report. The models produced using a default background resistivity and chargeability are attached to this report in jpeg format as well as the observed vs predicted data in jpeg format.

b. Inversion Parameters.

The inversions were run with the following parameters:

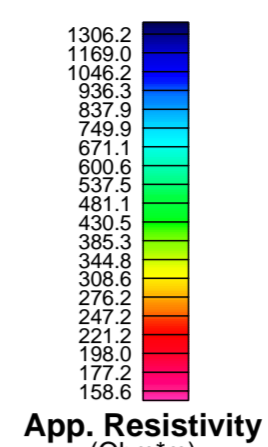
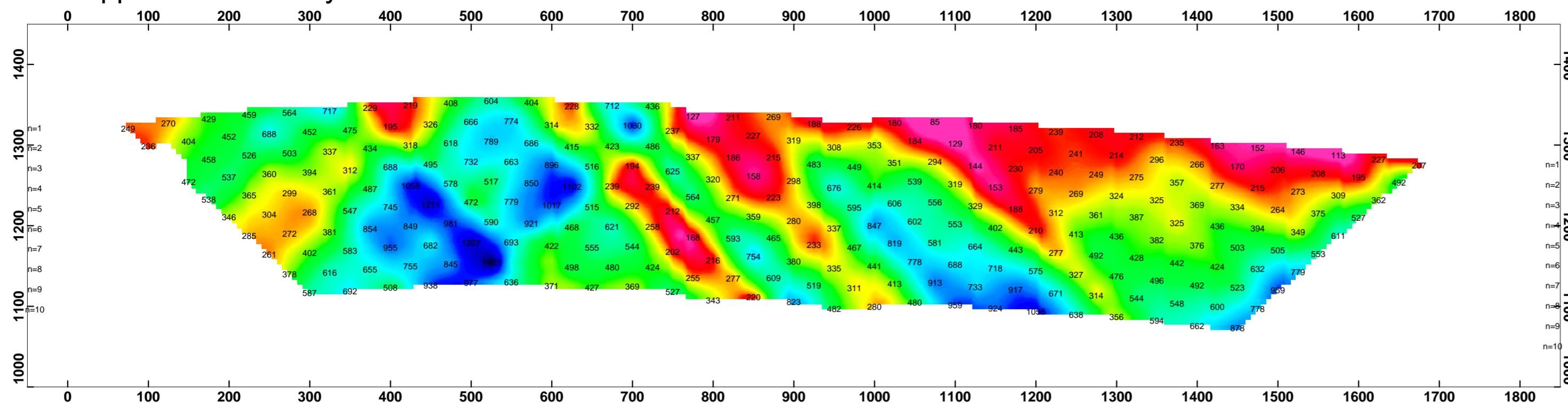
Line	Min Station	Max Station	Padding Cells (horizontal)	Padding Cells (vertical)	DOI Reference (IP)	DOI Reference (DC)	Chi factor (dc high)	Chi factor (DC low)	Chi factor (IP high)	Chi factor (IP low)
1 N	0	1750	14	12	60	10000	6.58	6.58	0.15	0.15
2 N	0	1800	14	15	100	10000	0.75	0.75	0.93	0.93
3 N	0	1800	14	15	60	20000	0.28	0.28	0.105	0.105
4 N	0	1100	14	15	100	30000	1	1	0.087	0.087
5 N	0	1100	14	15	100	5000	0.085	0.085	0.19	0.19

c. Products.

The following data files are appended to the digital version of this report:

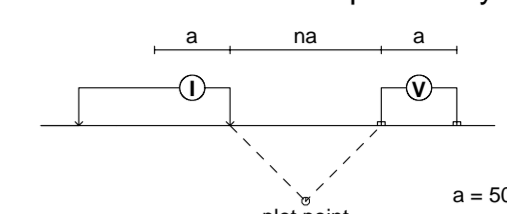
Final Composite Sections	Folder containing *.map (Geosoft packed map files) and *.pdf s of the composite sections for each line. Each composite section includes pseudosections of apparent resistivity and chargeability and recovered sections of modelled resistivity and chargeability and a pseudosection of error in the chargeability.
Images	Folder containing *.jpg of the predicted versus observed data from the inversions and also the model results of the alternate reference model runs.
Inversion files	Folder containing all input files, logs and model files.
SMD-10584 Inversion Report.pdf	A PDF version of this report.

Apparent Resistivity Pseudosection

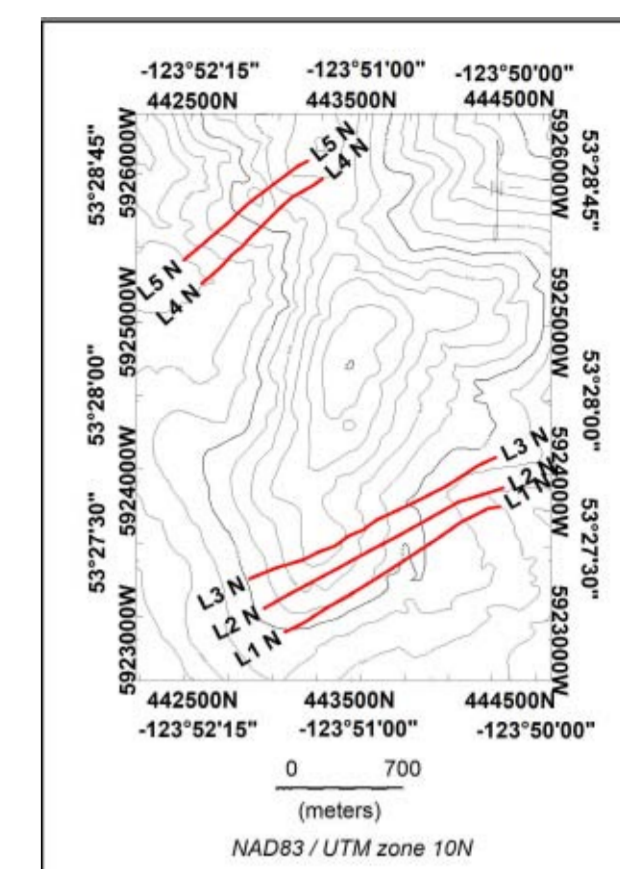


COMPOSITE SECTIONS
1 N

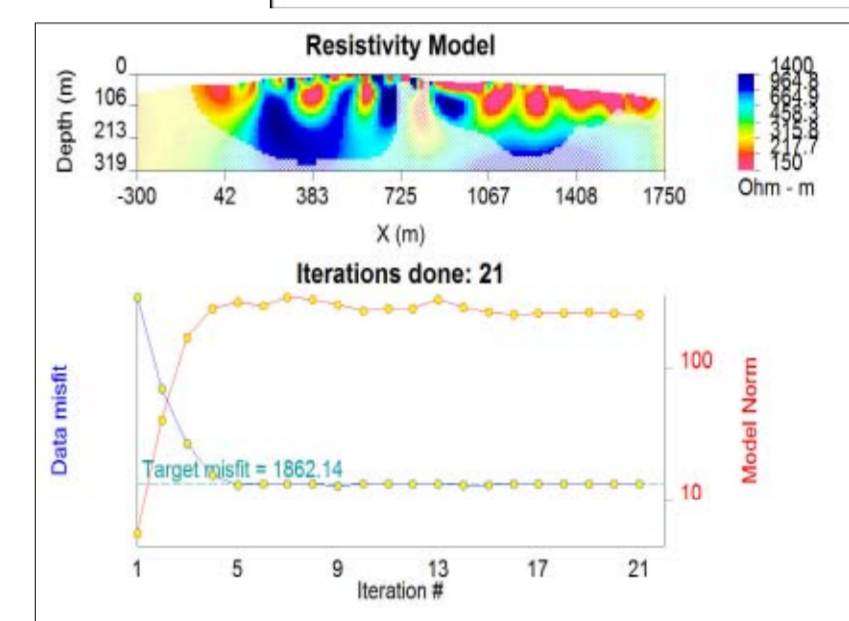
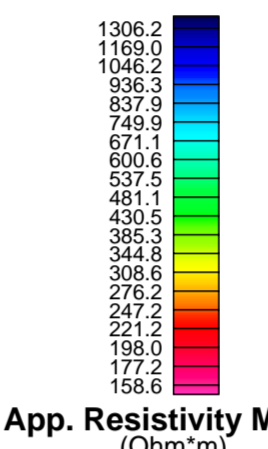
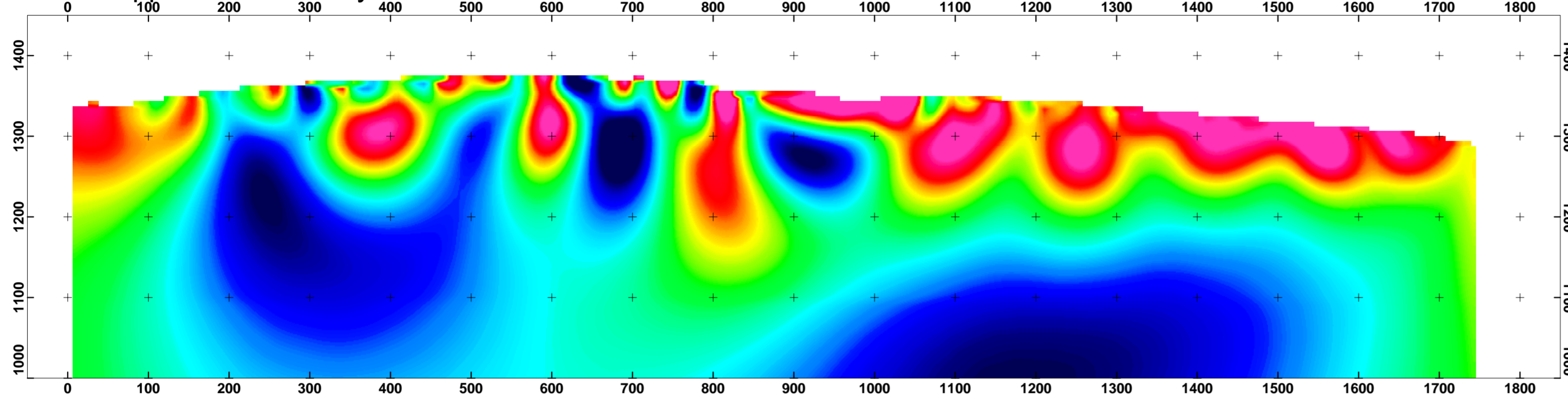
Modified Pole-Dipole Array



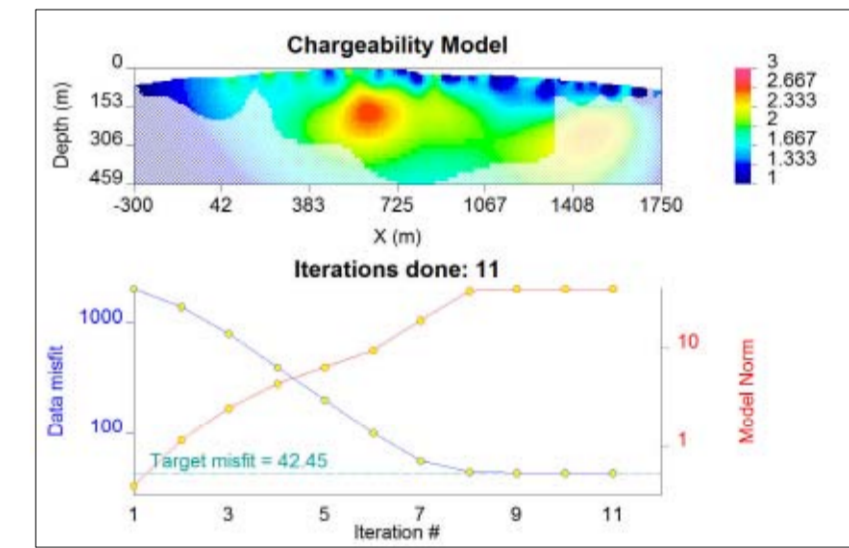
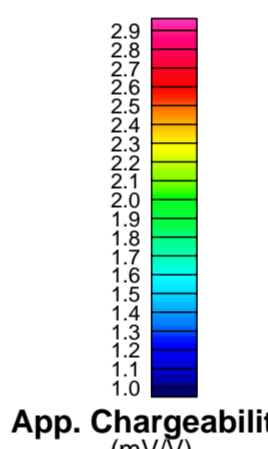
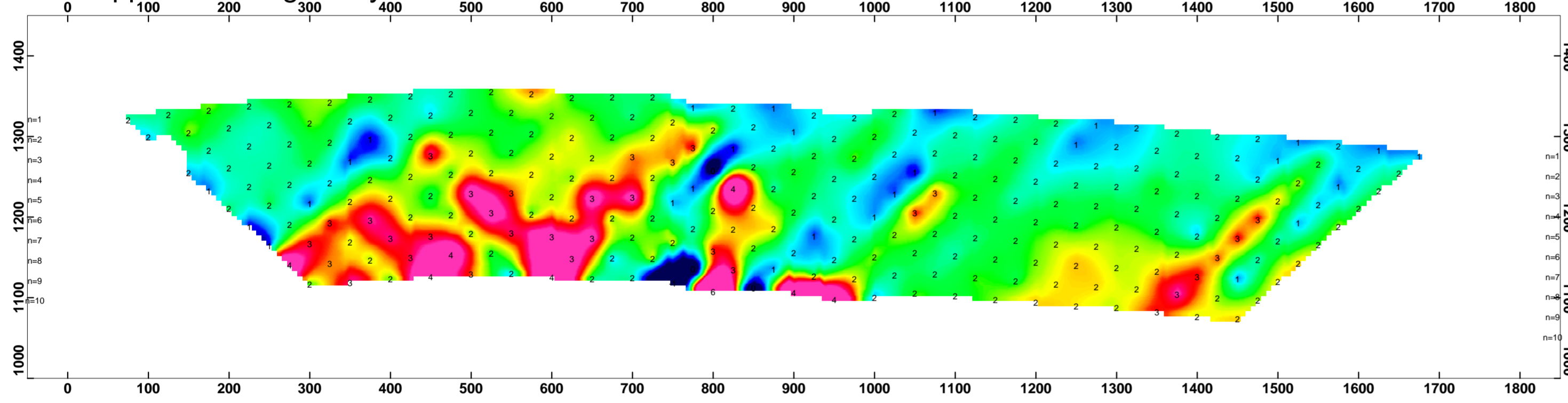
Stationary electrode at -300E (moving E).
Receiver: Iris EtecPro
Transmitter: GDD Tx-II 3.6kW
Data File: Tagai_IP_Final.gdb
Dates Surveyed : Oct 25 - Nov 4, 2010



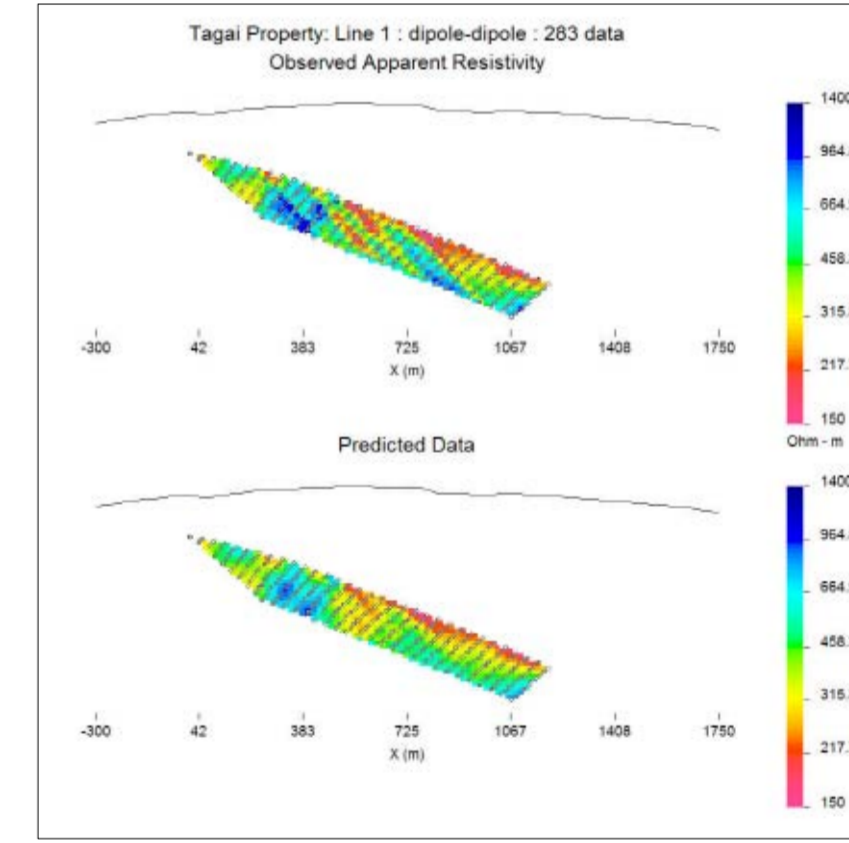
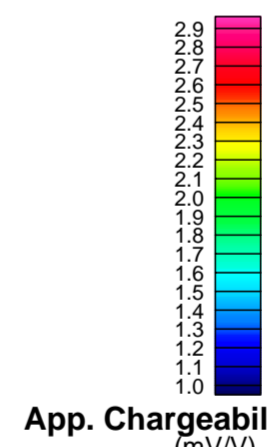
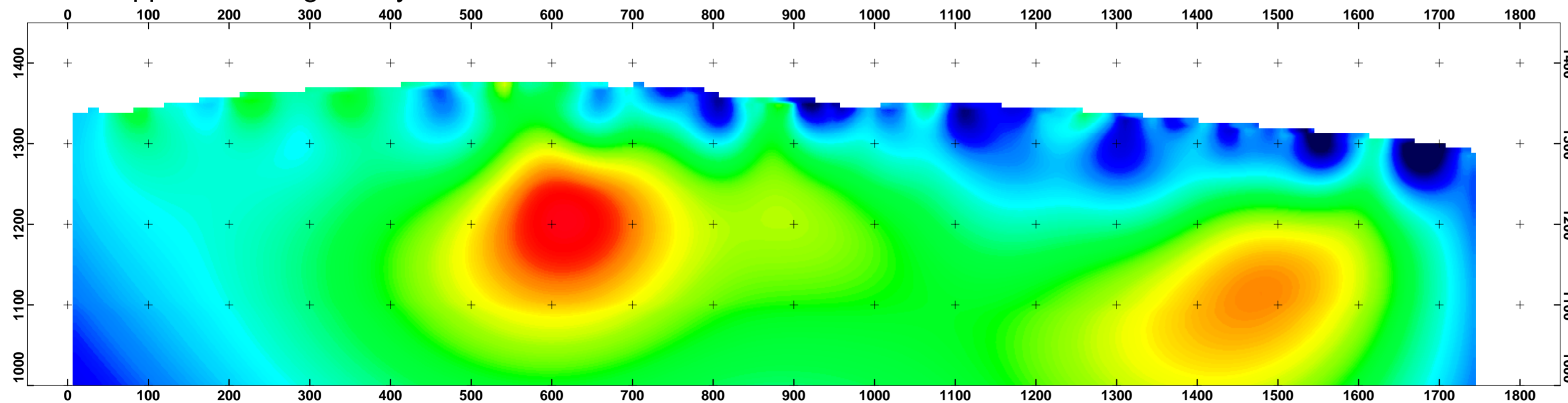
Apparent Resistivity Model



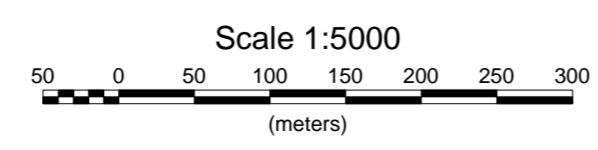
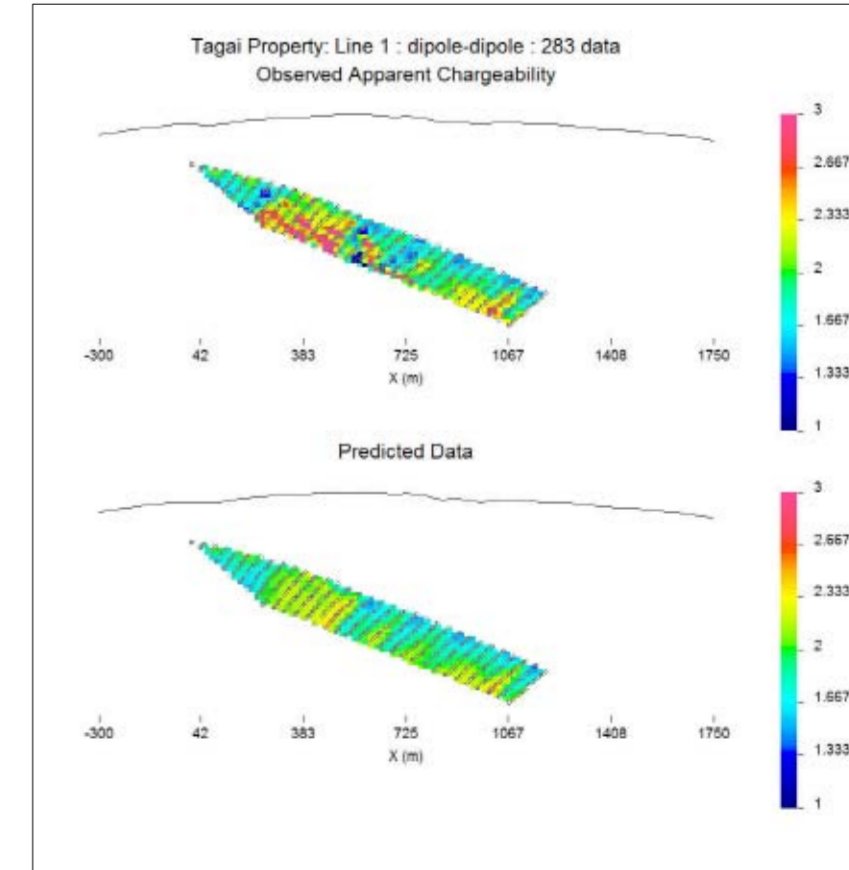
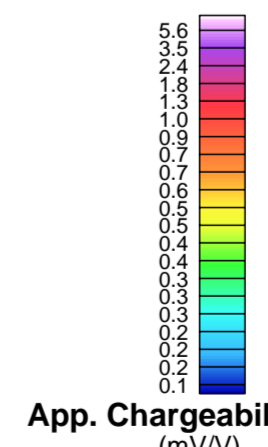
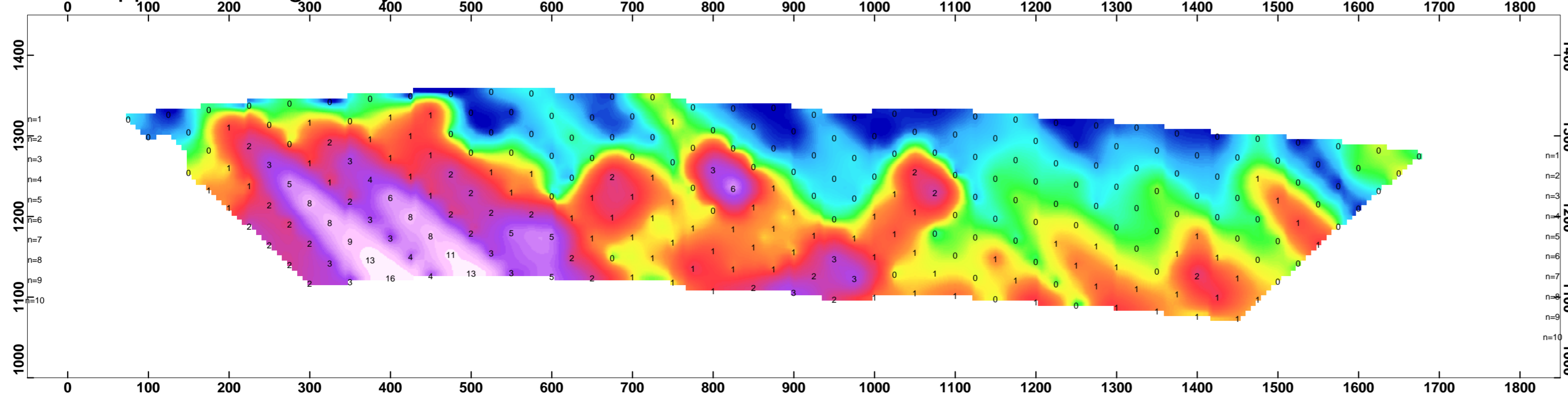
Apparent Chargeability Pseudosection



Apparent Chargeability Model

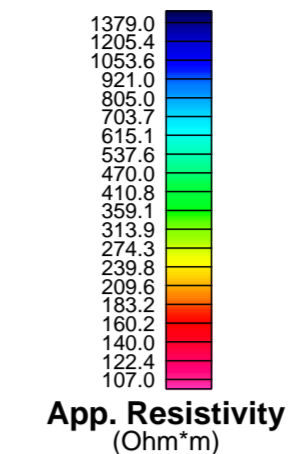
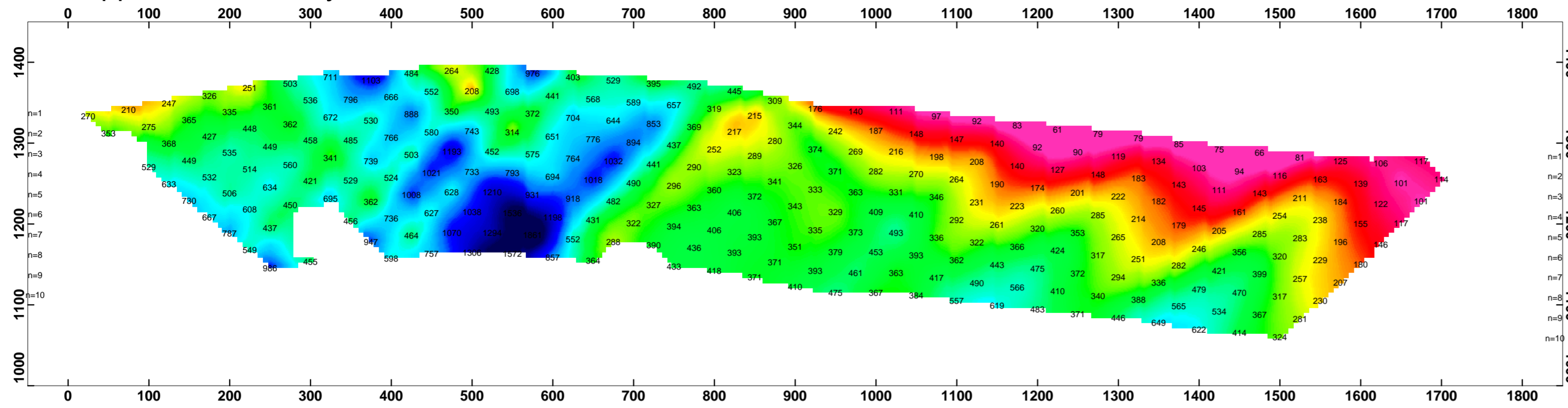


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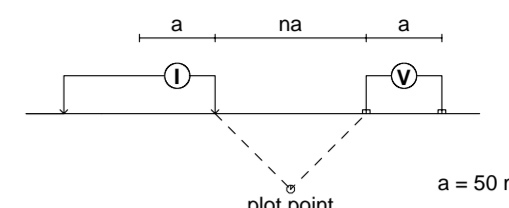
STRATEGIC METALS LTD.
INDUCED POLARIZATION SURVEY
 Tagai Grid
 COMPOSITE SECTIONS L1 N
 Mining District: Prince George NTS: 093G05
 Date: Jan 5, 2011 Job: SMD-10574-BC
 AURORA GEOSCIENCES LTD.

Apparent Resistivity Pseudosection

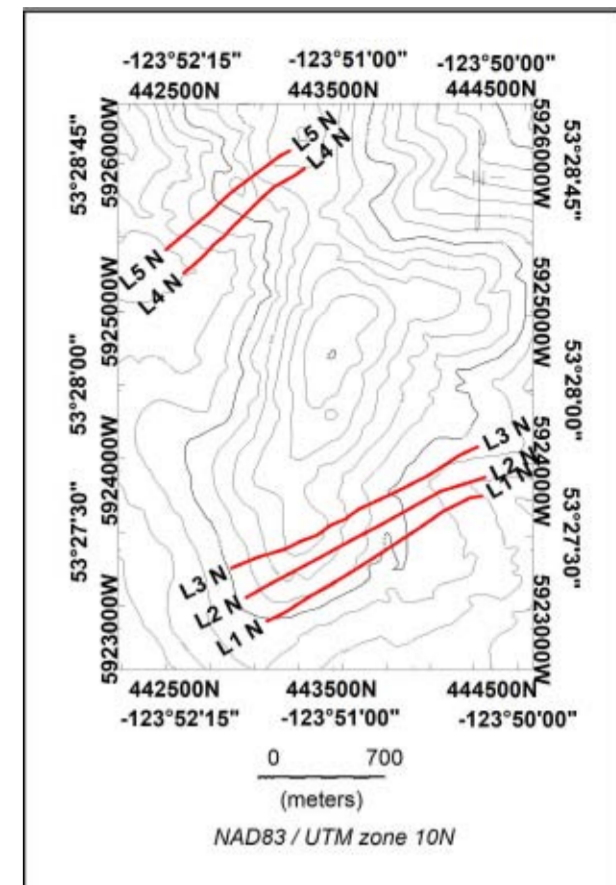


COMPOSITE SECTIONS L2 N

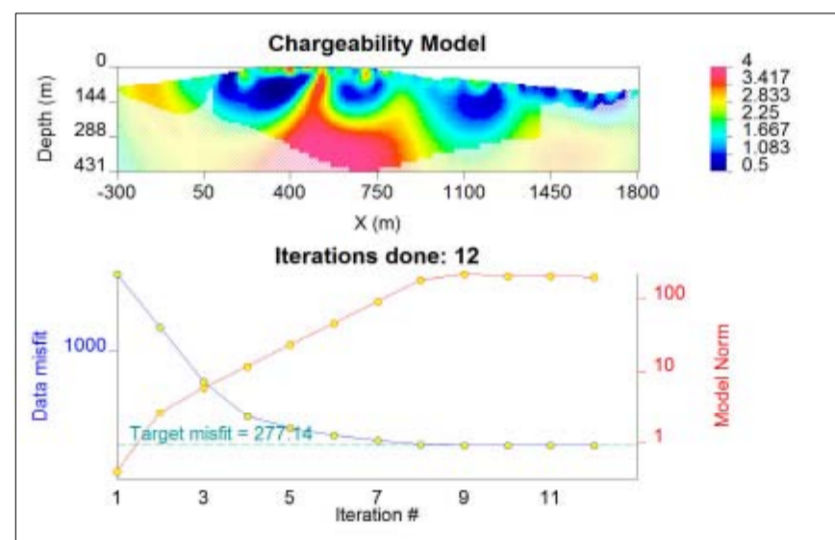
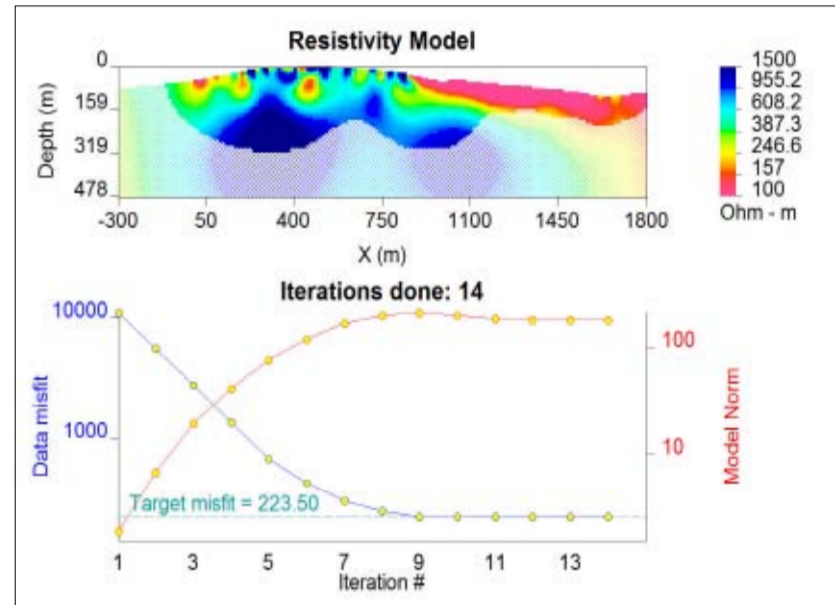
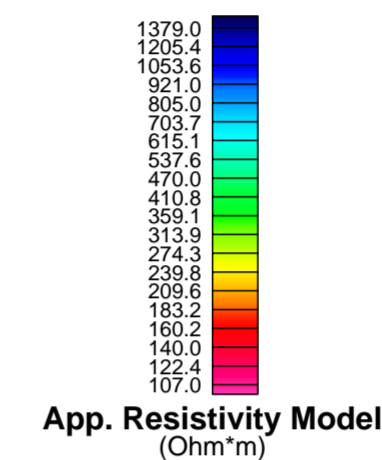
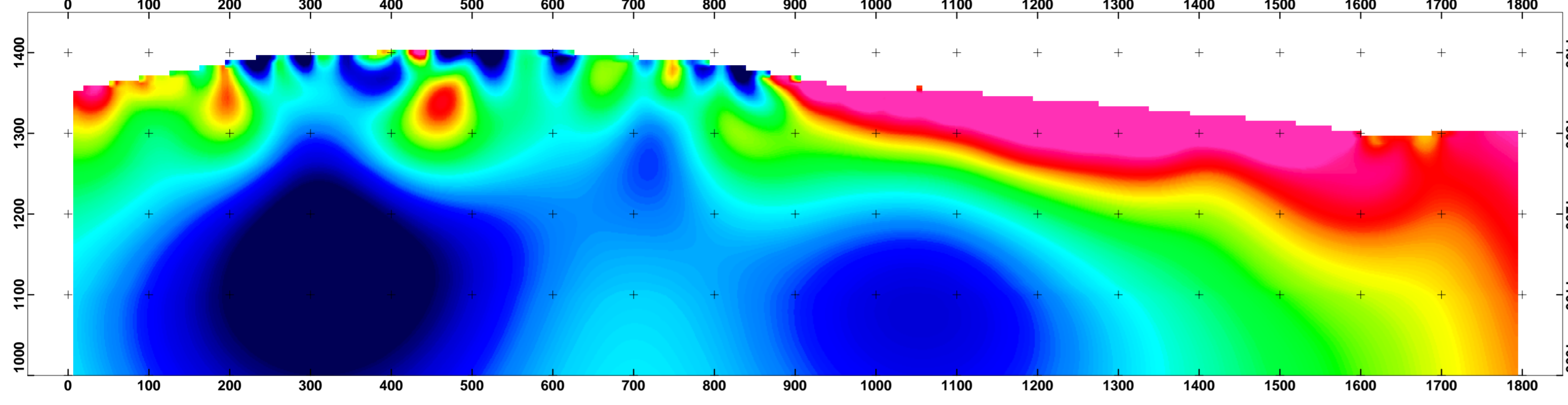
Modified Pole-Dipole Array



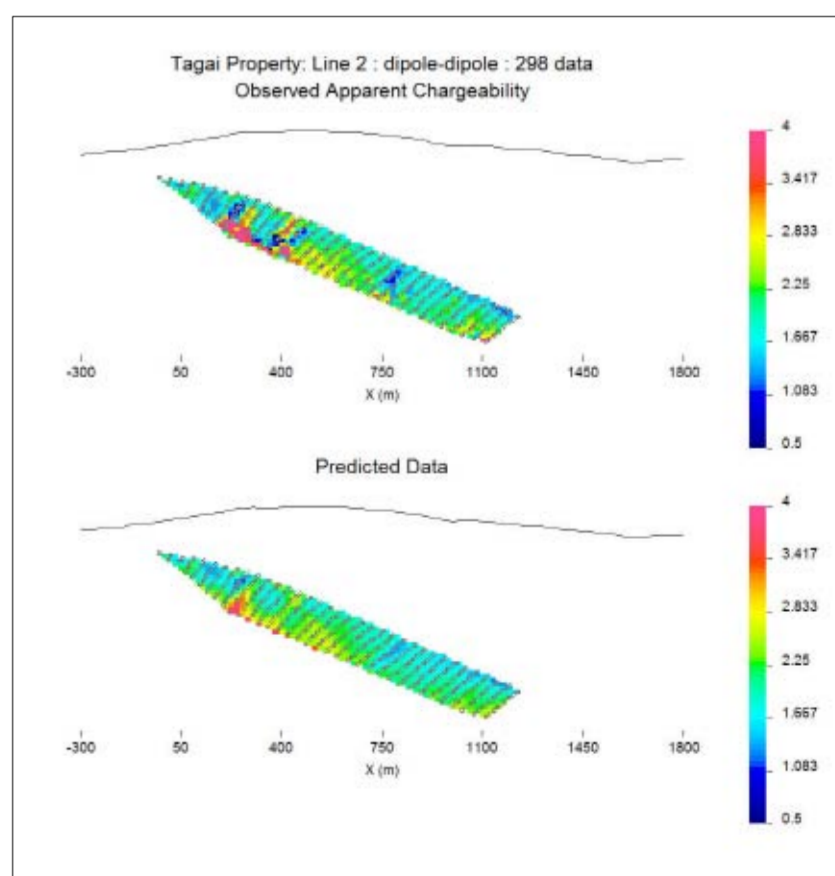
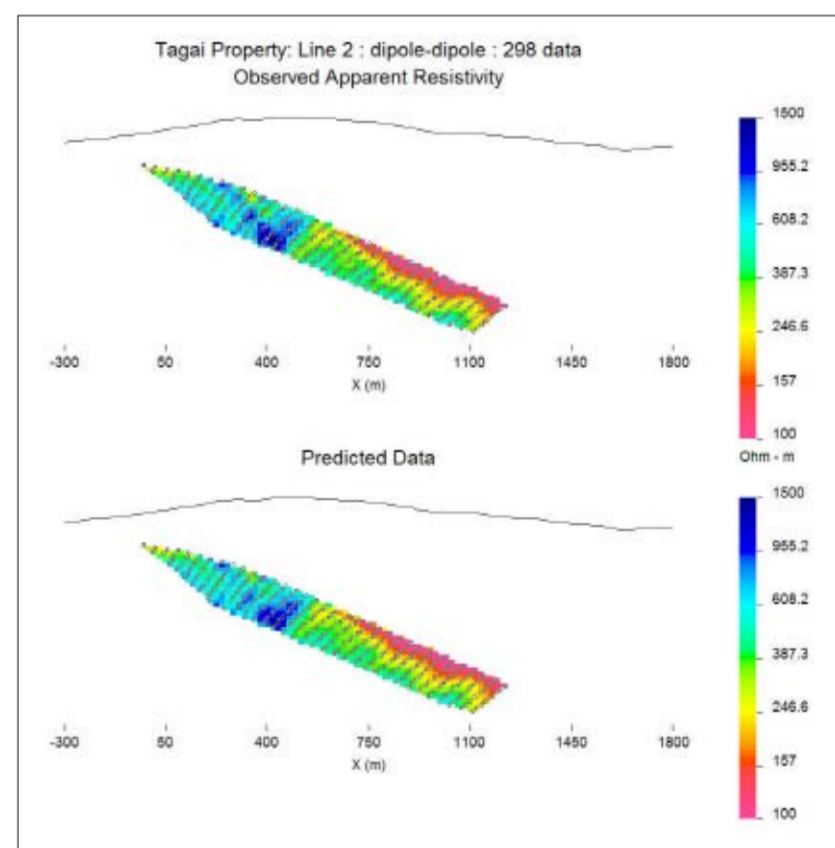
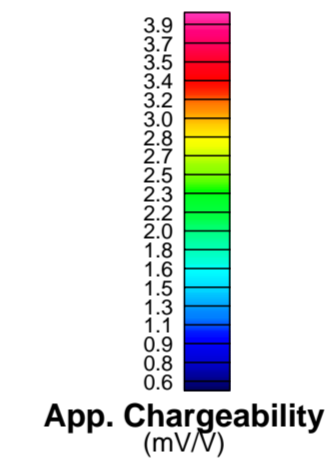
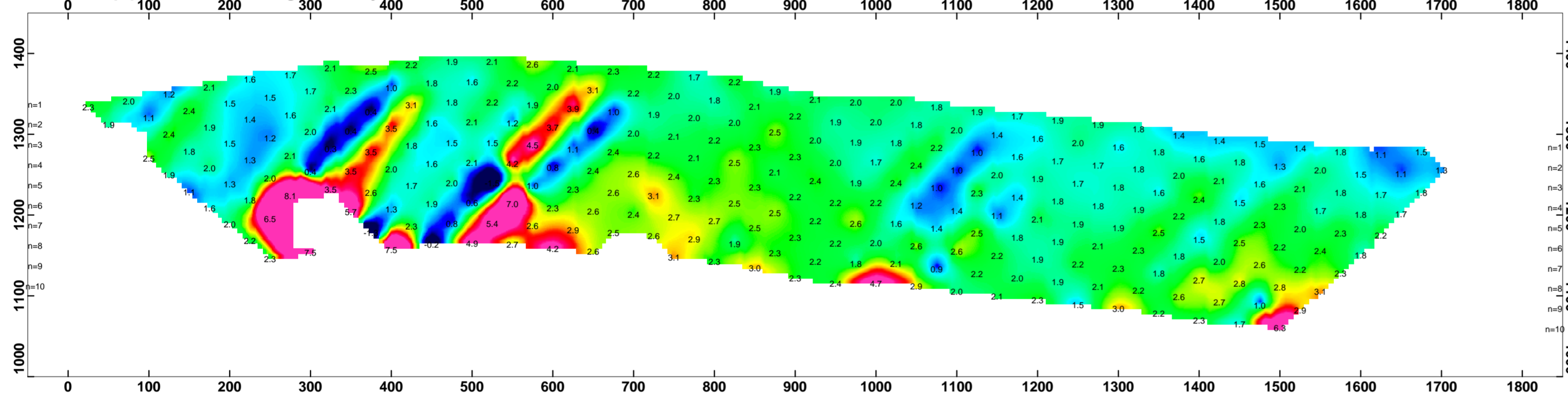
Stationary electrode at -300E (moving E).
Receiver: Iris EirePro
Transmitter: GDD Tx-II 3.6kW
Data File: Tagai_IP_Final.gdb
Dates Surveyed: Oct 25 - Nov 4, 2010



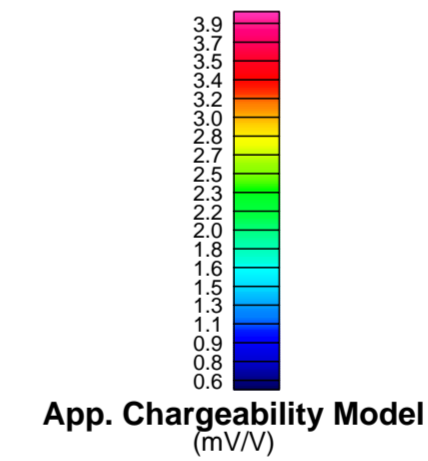
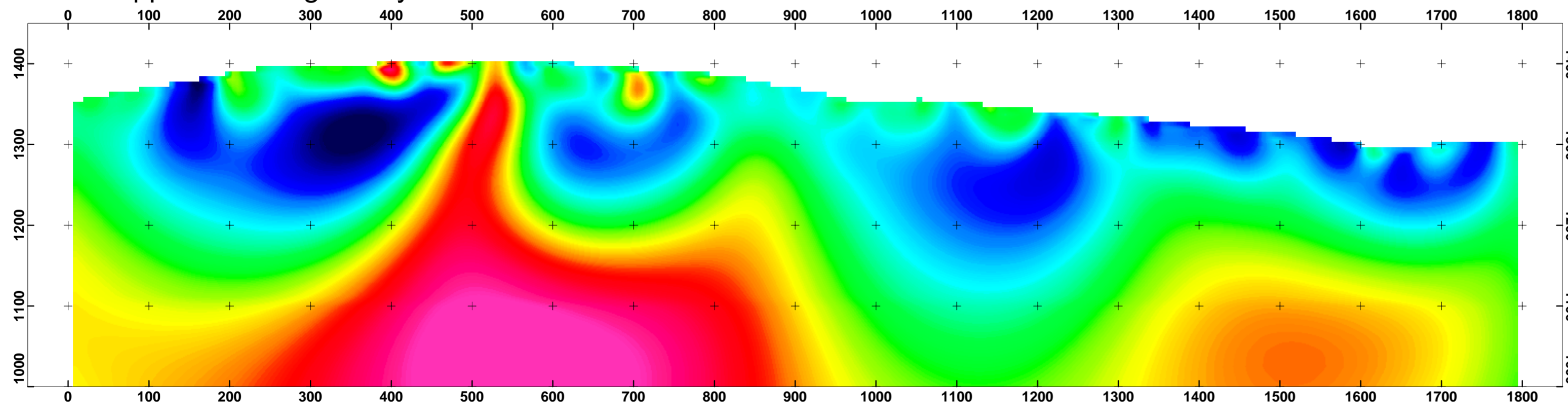
Apparent Resistivity Model



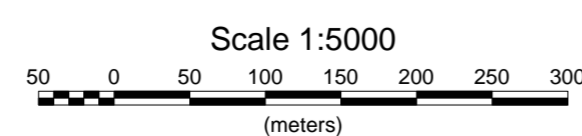
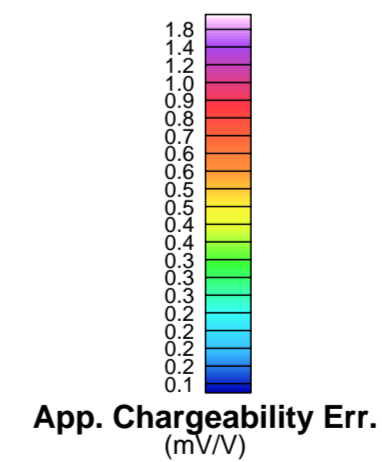
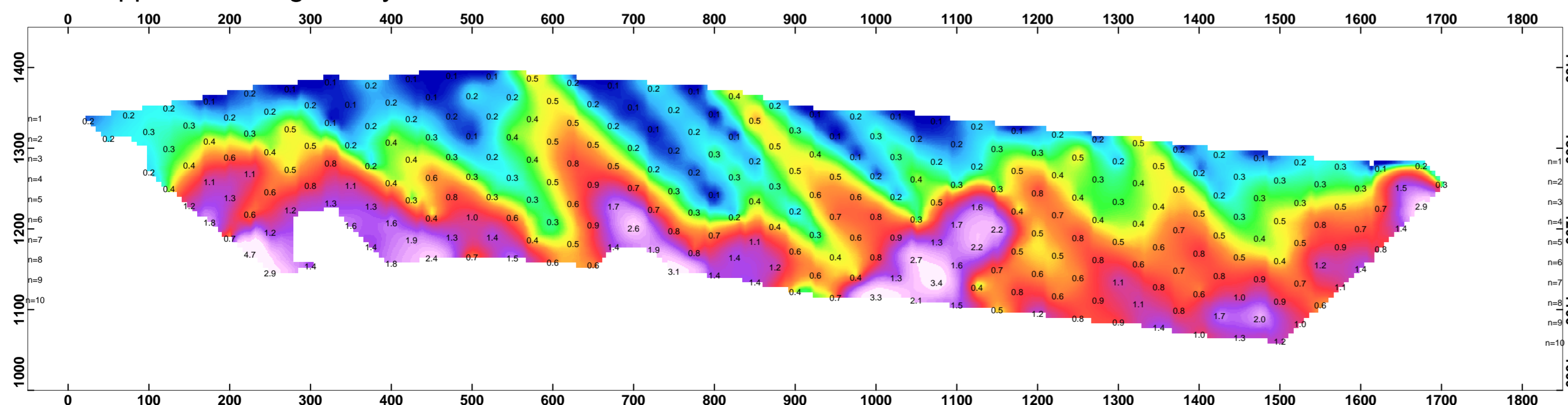
Apparent Chargeability Pseudosection



Apparent Chargeability Model



Apparent Chargeability Error Pseudosection



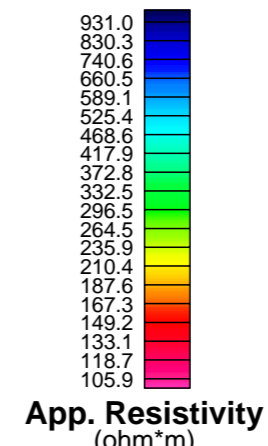
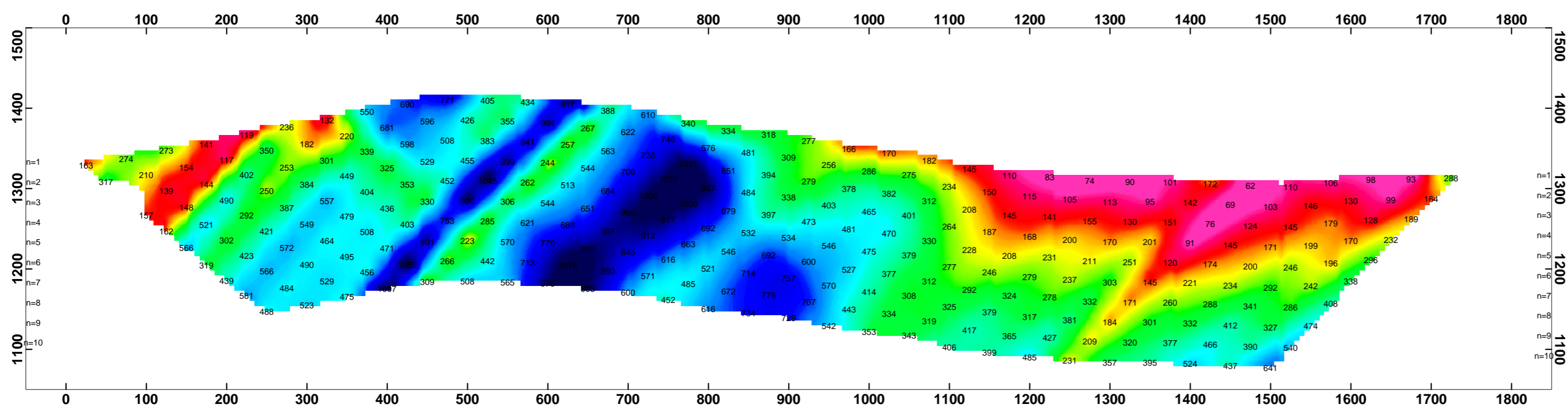
STRATEGIC METALS LTD.

INDUCED POLARIZATION SURVEY
Tagai Grid
COMPOSITE SECTIONS L2 N

Mining District: Prince George NTS: 093G05
Date: Jan 5, 2011 Job: SMD-10574-BC

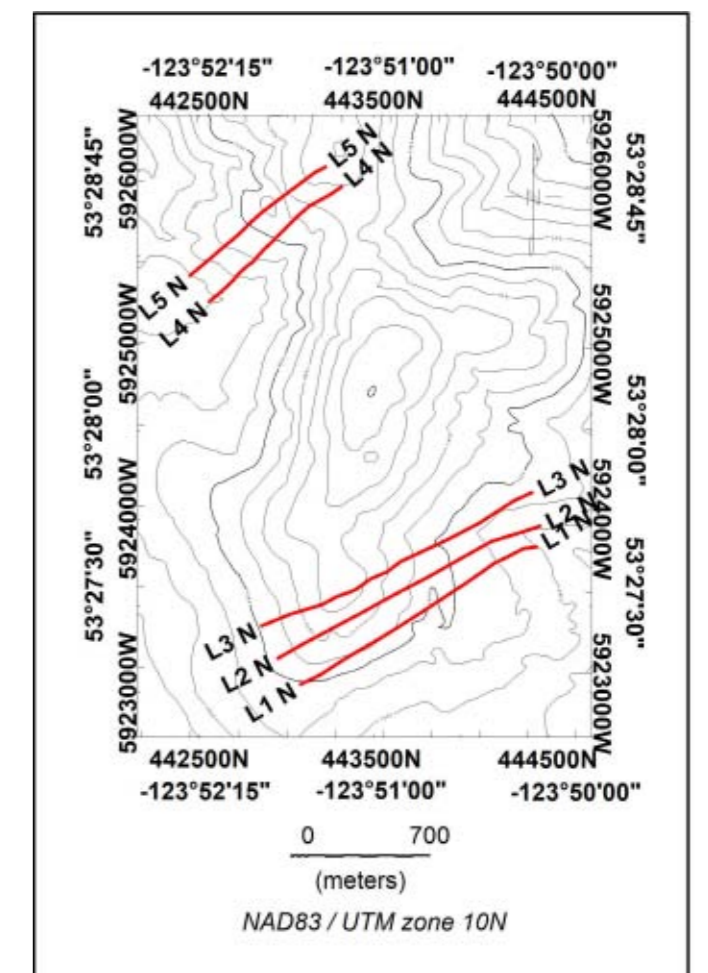
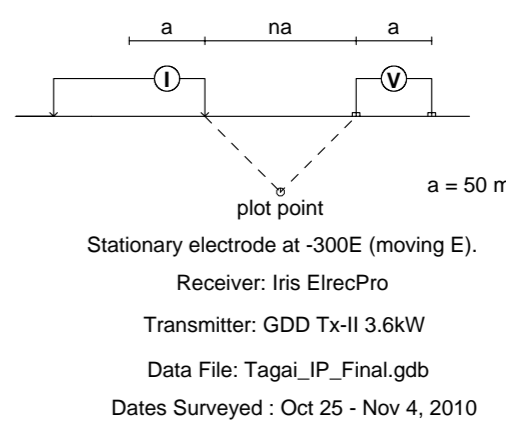
AURORA GEOSCIENCES LTD.

Apparent Resistivity Pseudosection

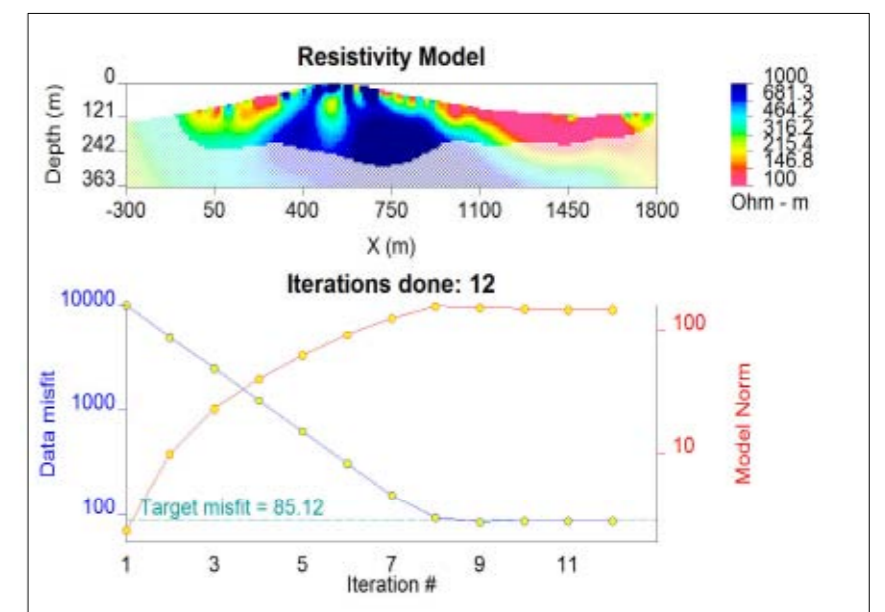
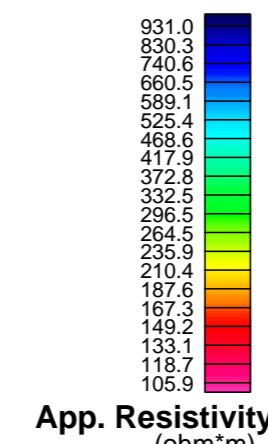
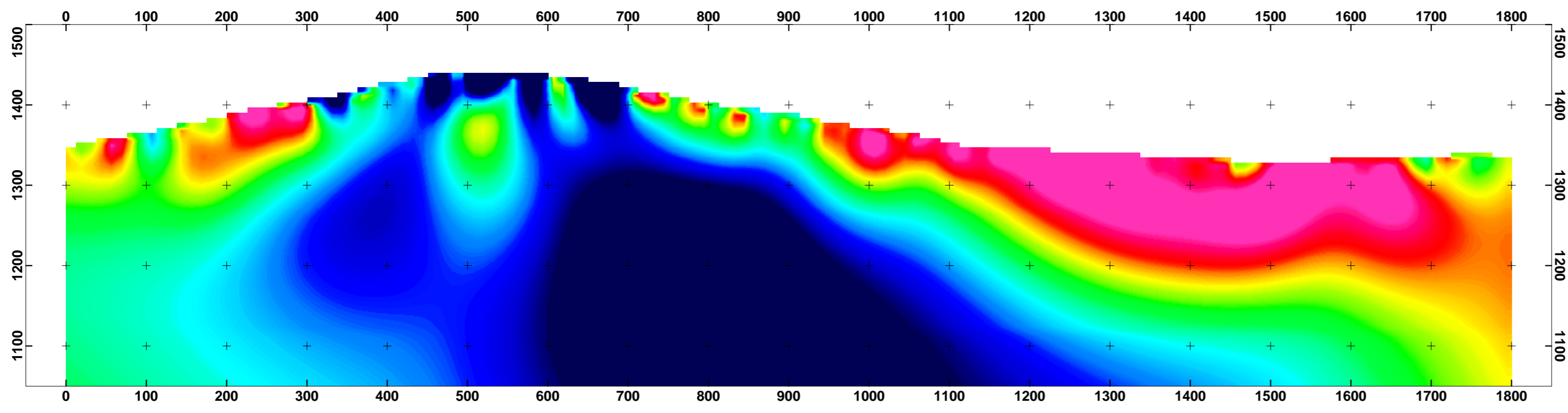


COMPOSITE SECTIONS L 3 N

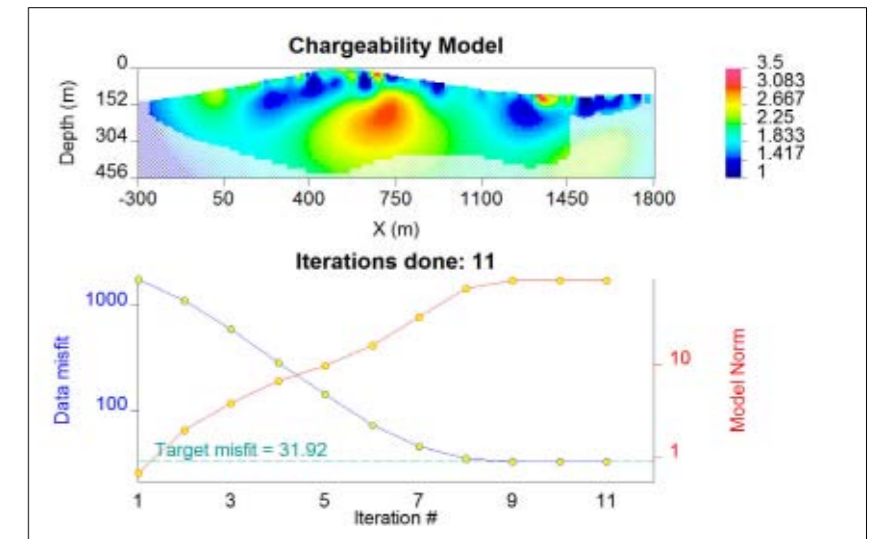
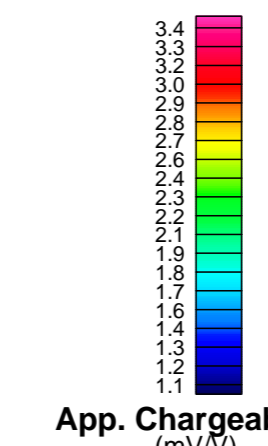
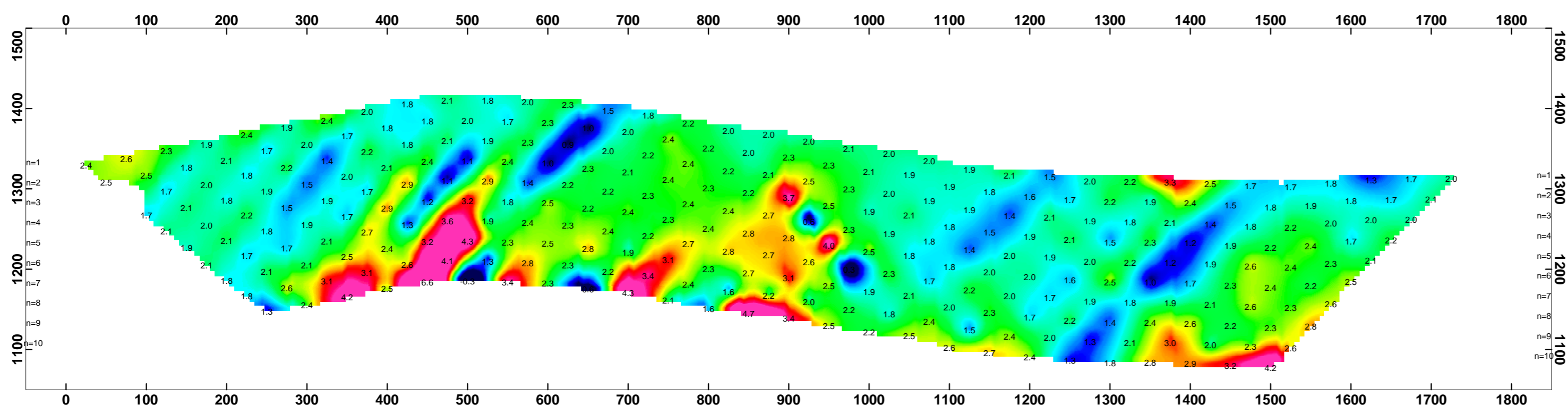
Modified Pole-Dipole Array



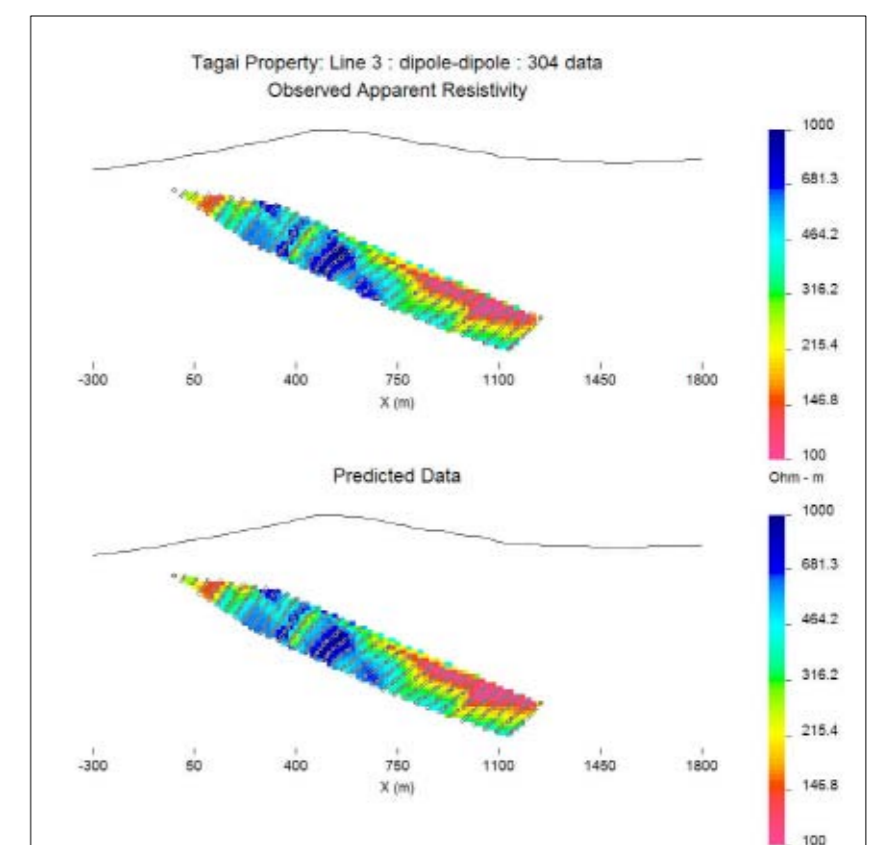
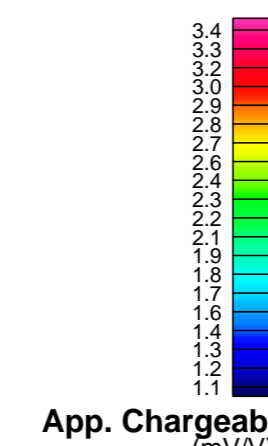
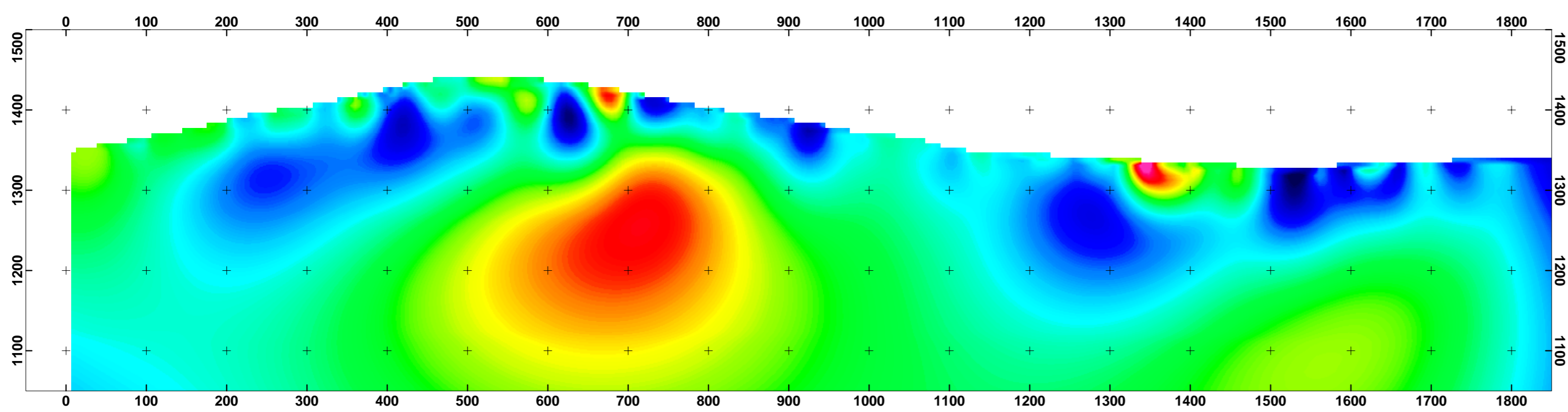
Apparent Resistivity Model



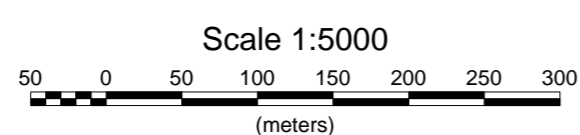
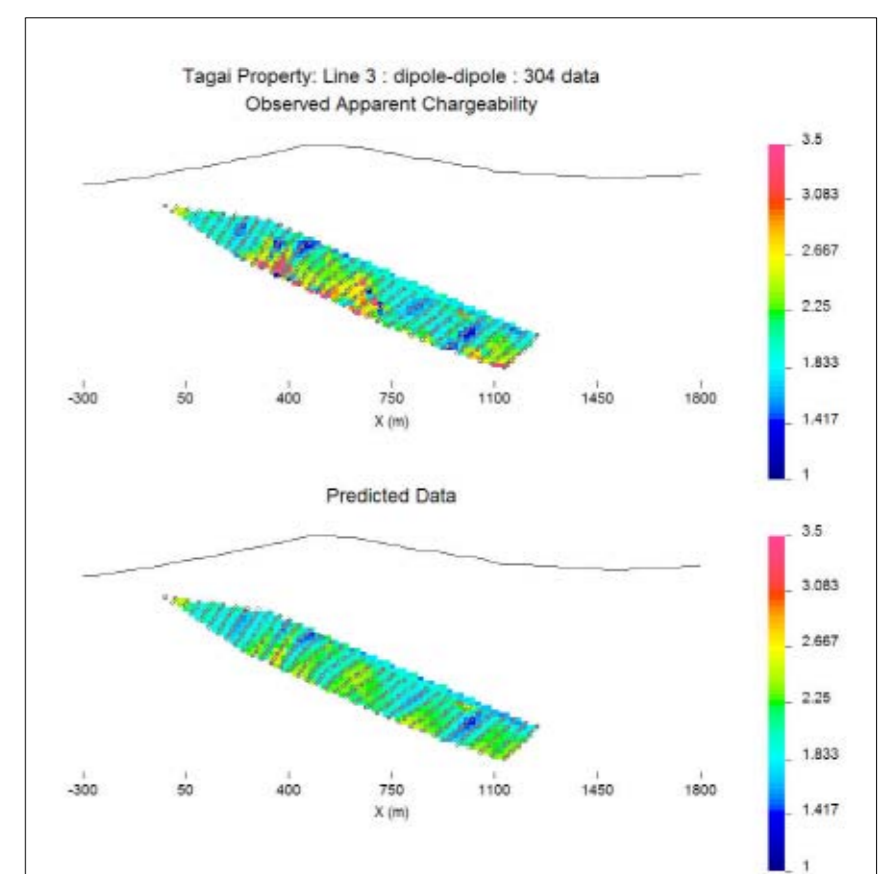
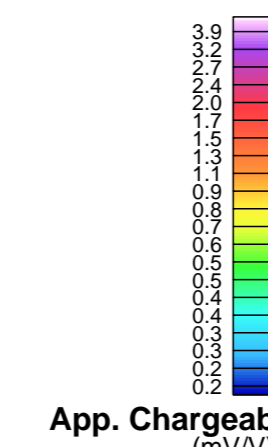
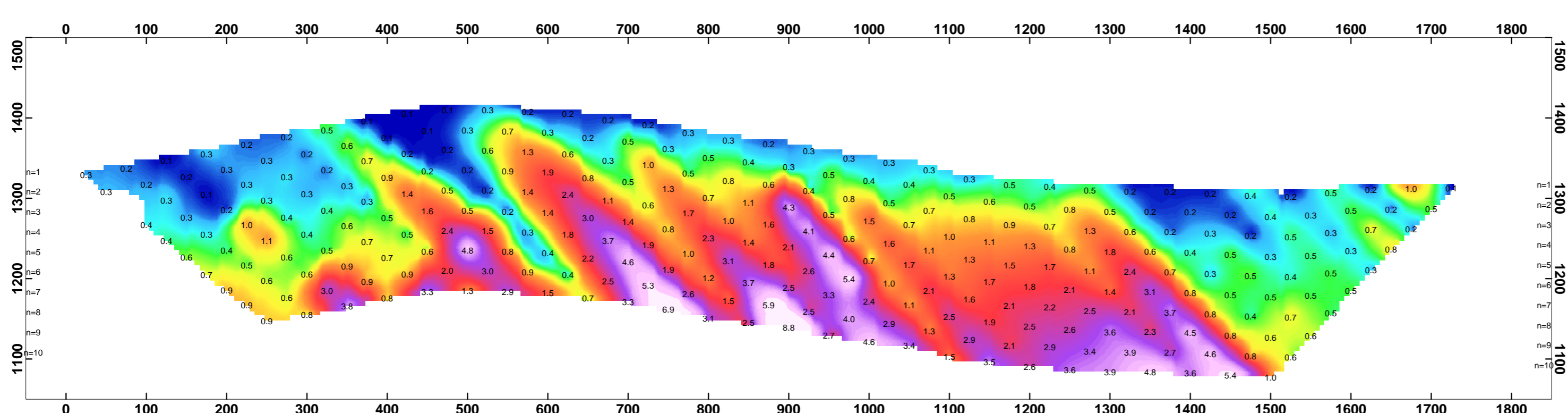
Apparent Chargeability Pseudosection



Apparent Chargeability Model



Apparent Chargeability Error Pseudosection



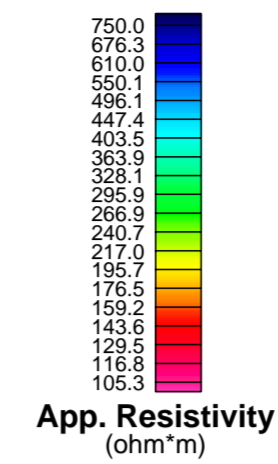
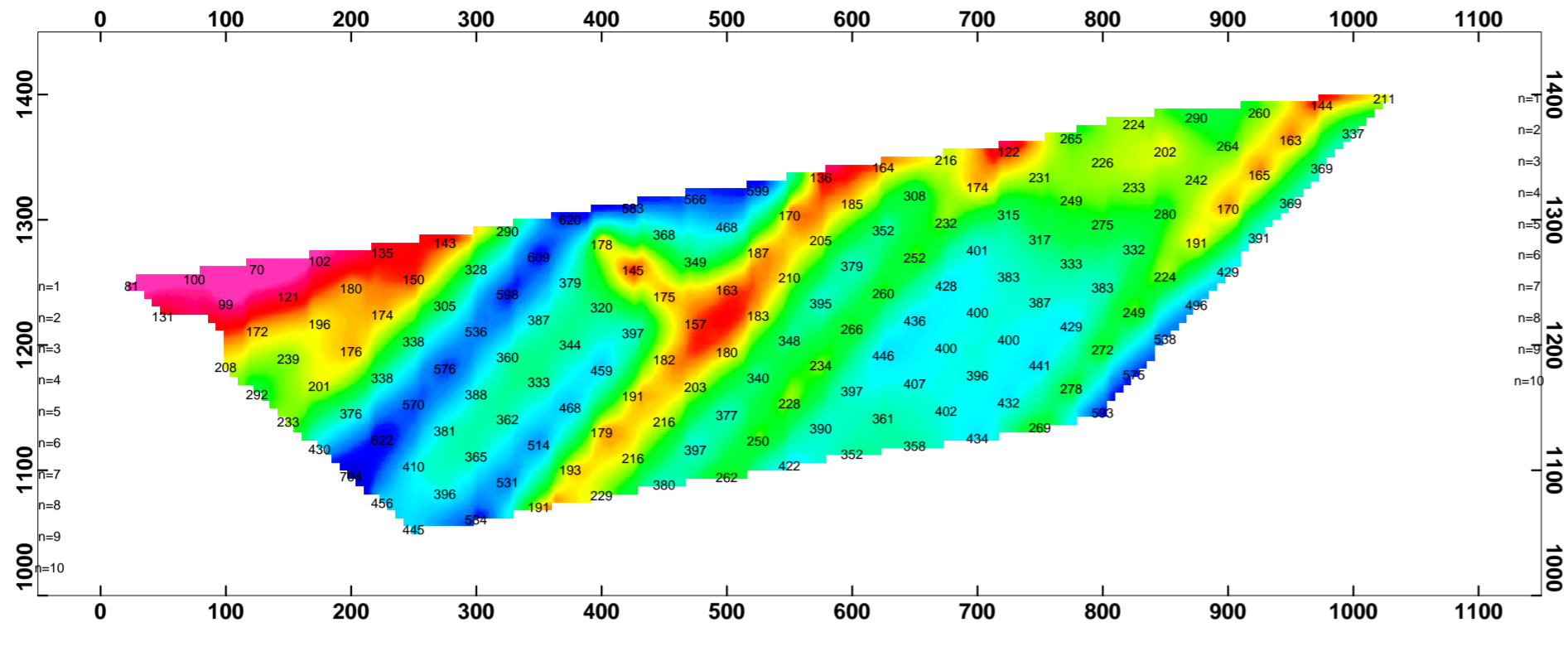
STRATEGIC METALS LTD.

INDUCED POLARIZATION SURVEY
Tagai Grid
COMPOSITE SECTIONS L3 N

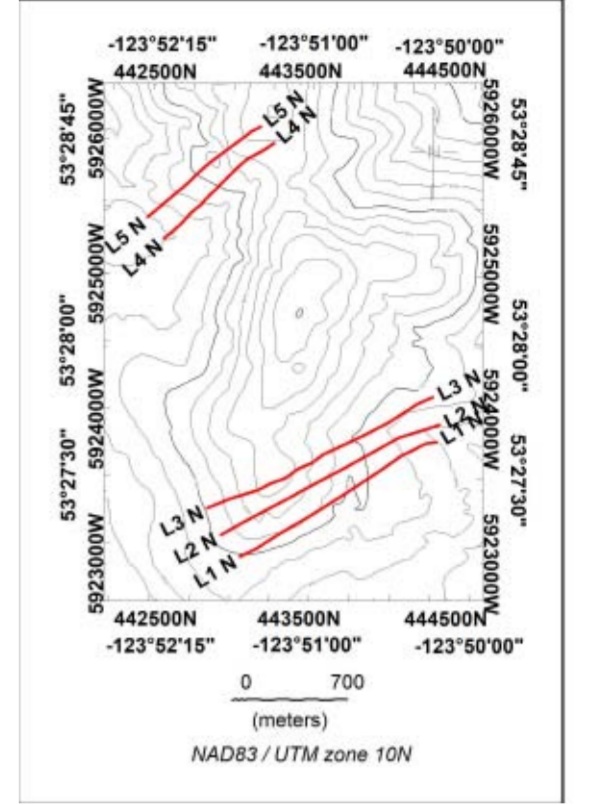
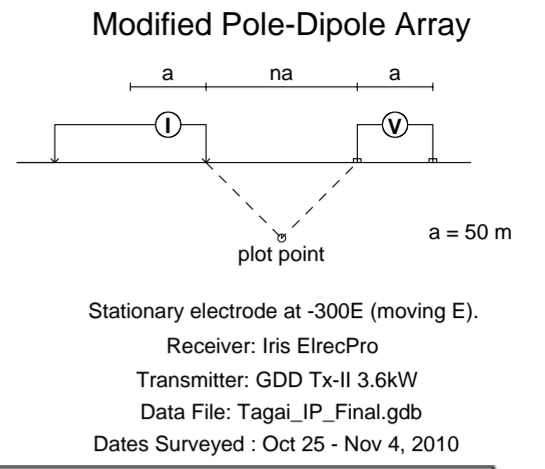
Mining District: Prince George NTS: 093G05
Date: Jan 5, 2011 Job: SMD-10574-BC

AURORA GEOSCIENCES LTD.

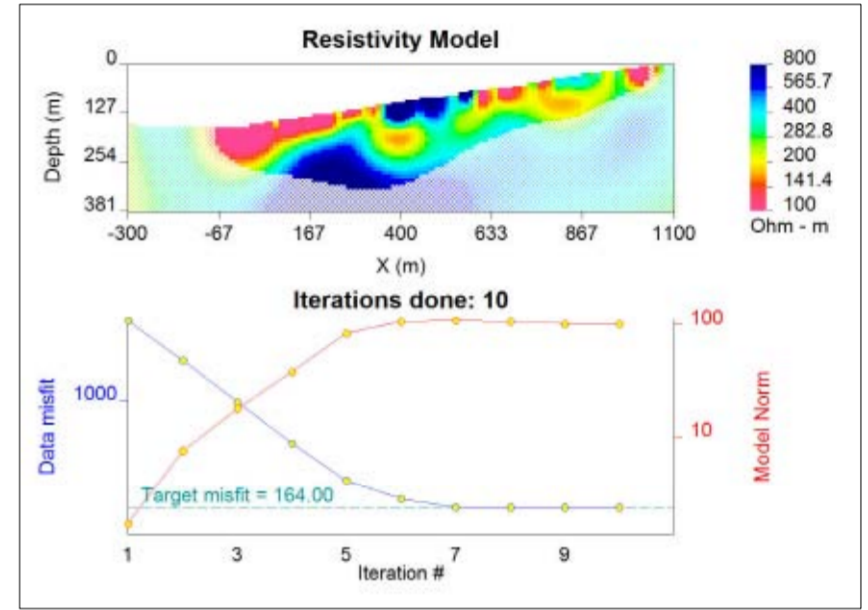
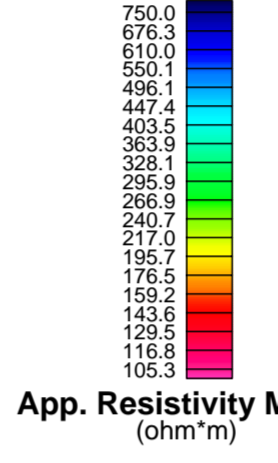
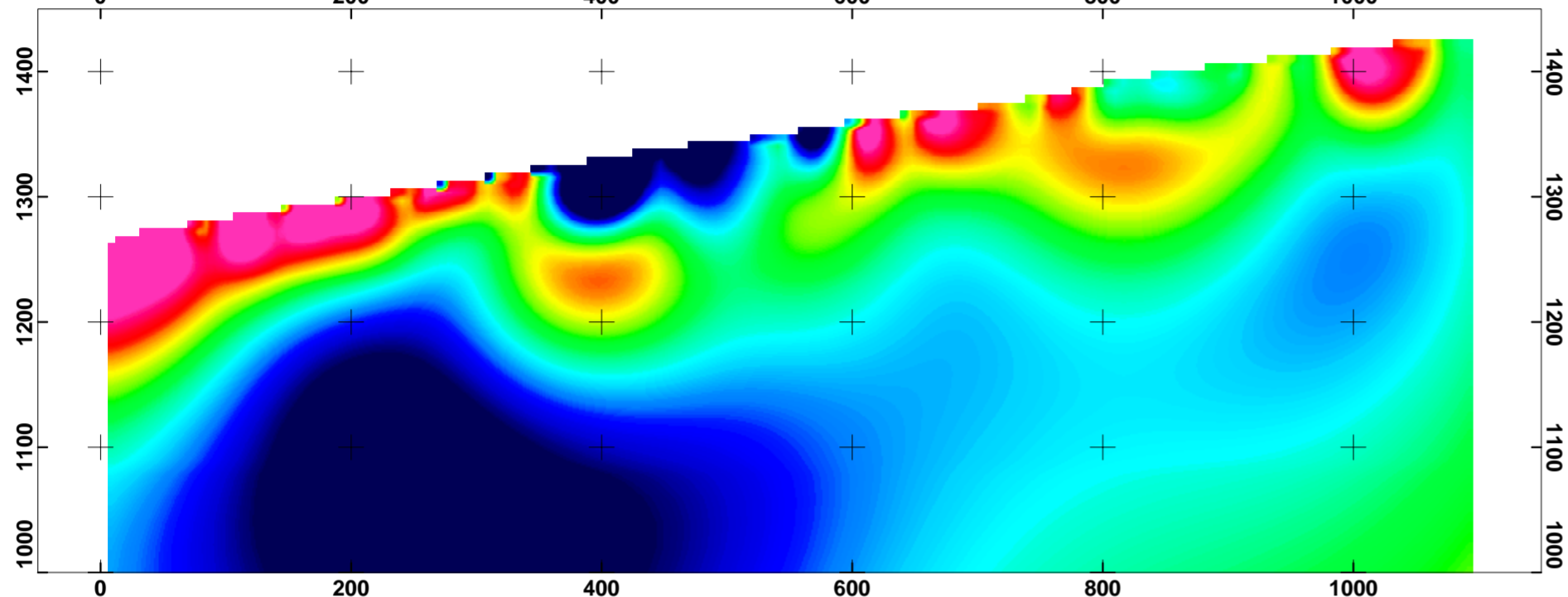
Apparent Resistivity Pseudosection



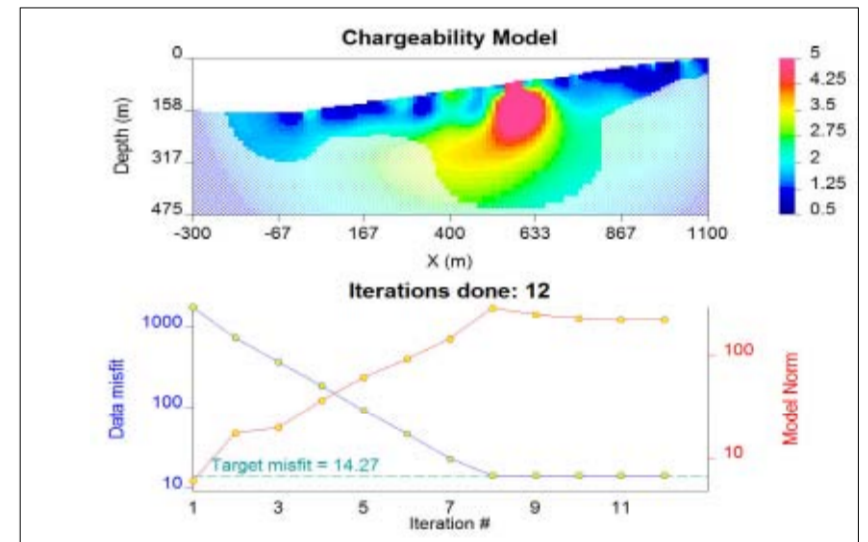
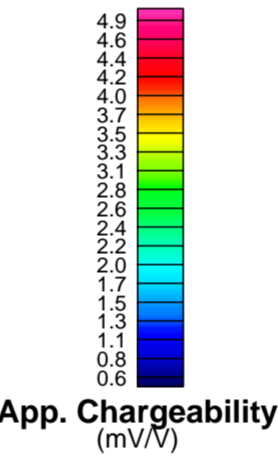
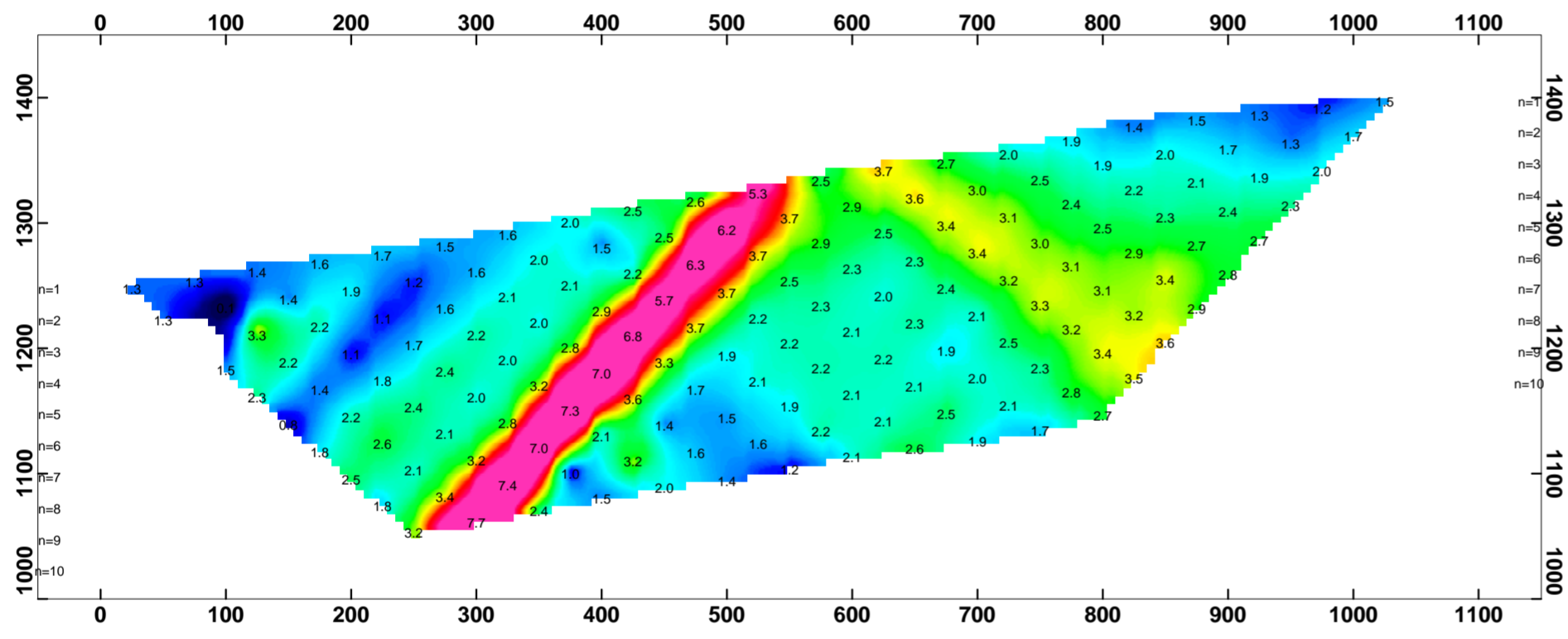
COMPOSITE SECTIONS L 4 N



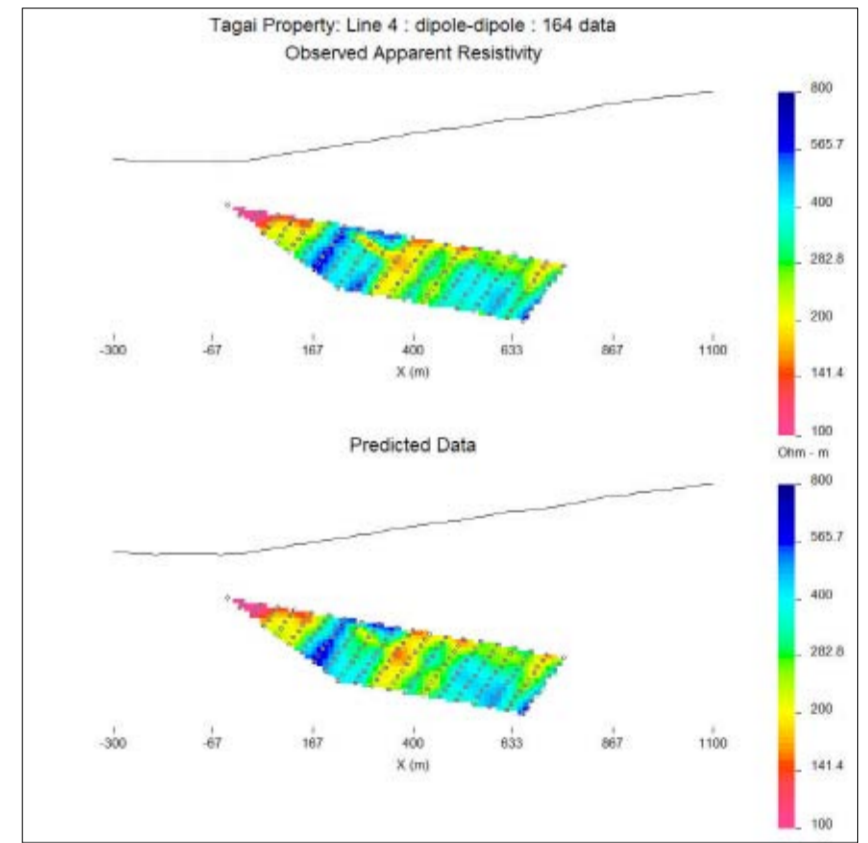
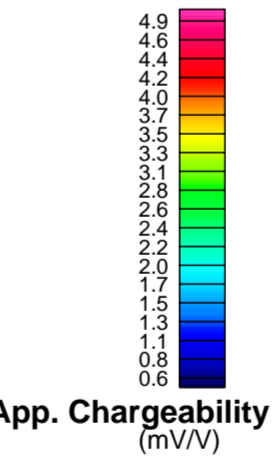
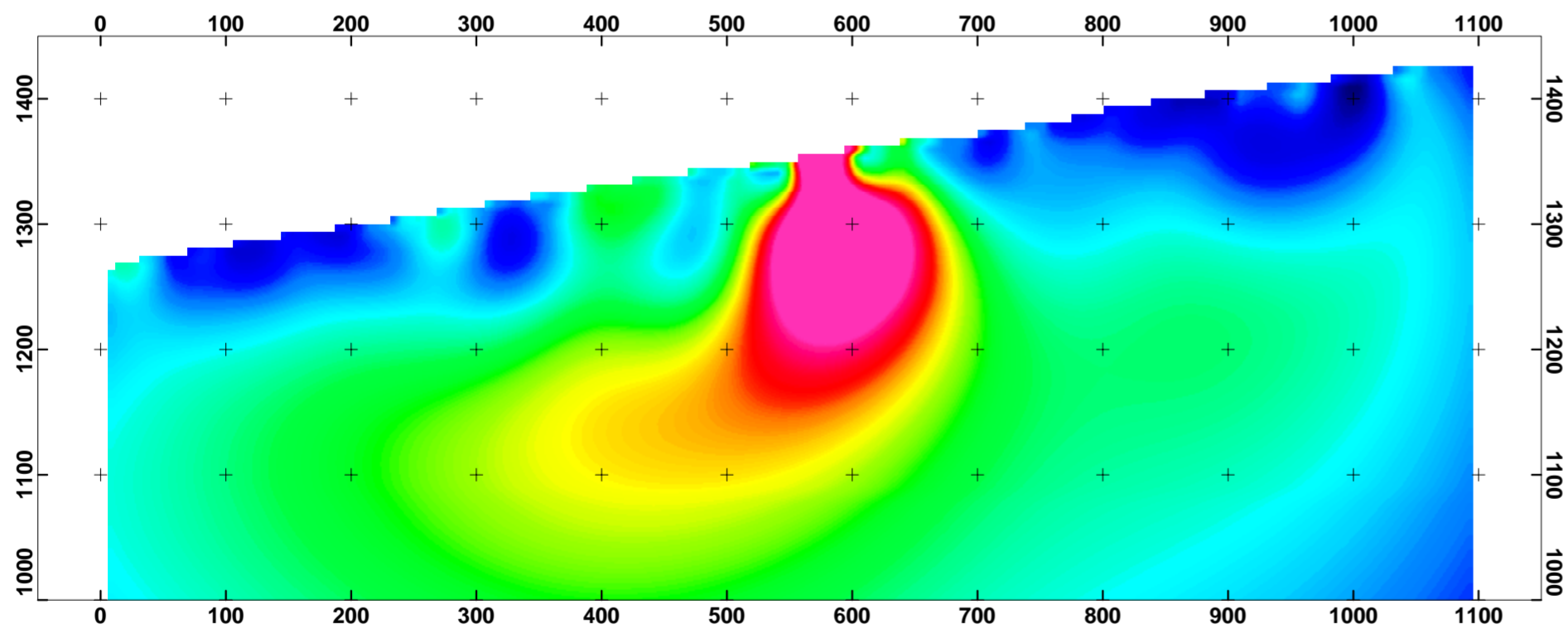
Apparent Resistivity Model



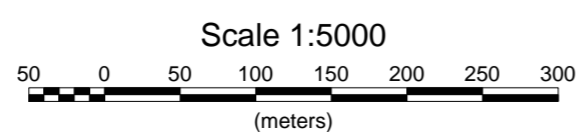
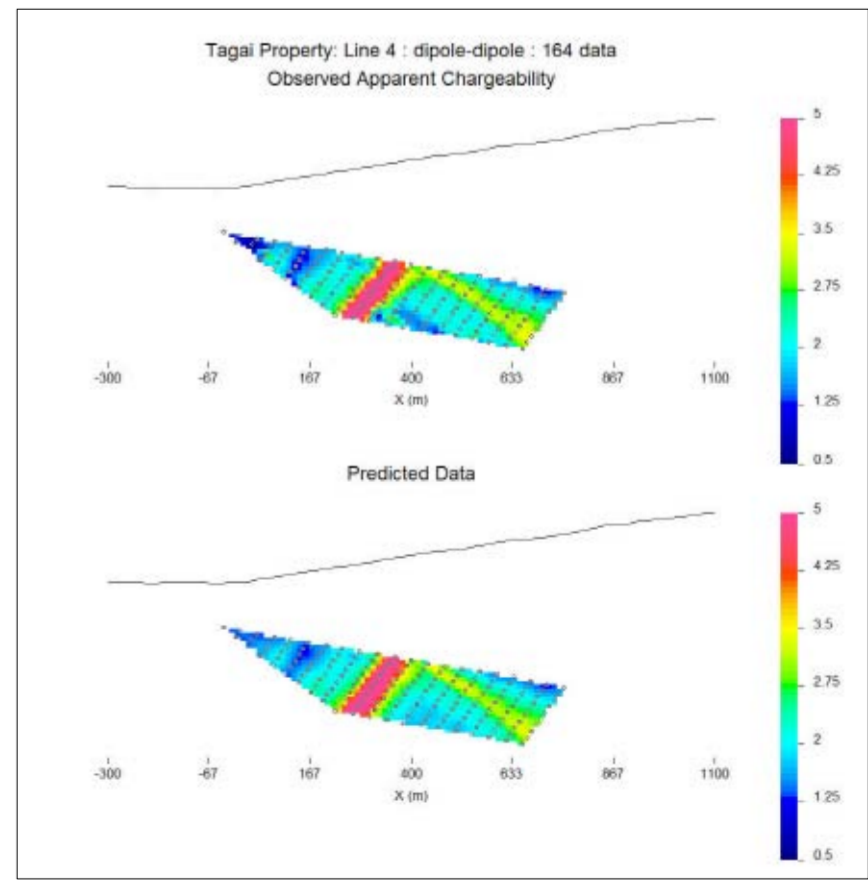
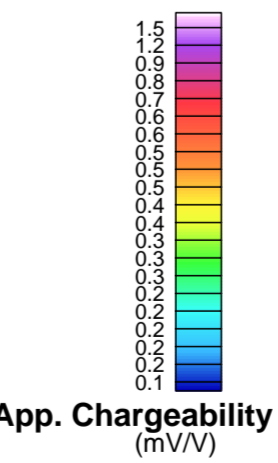
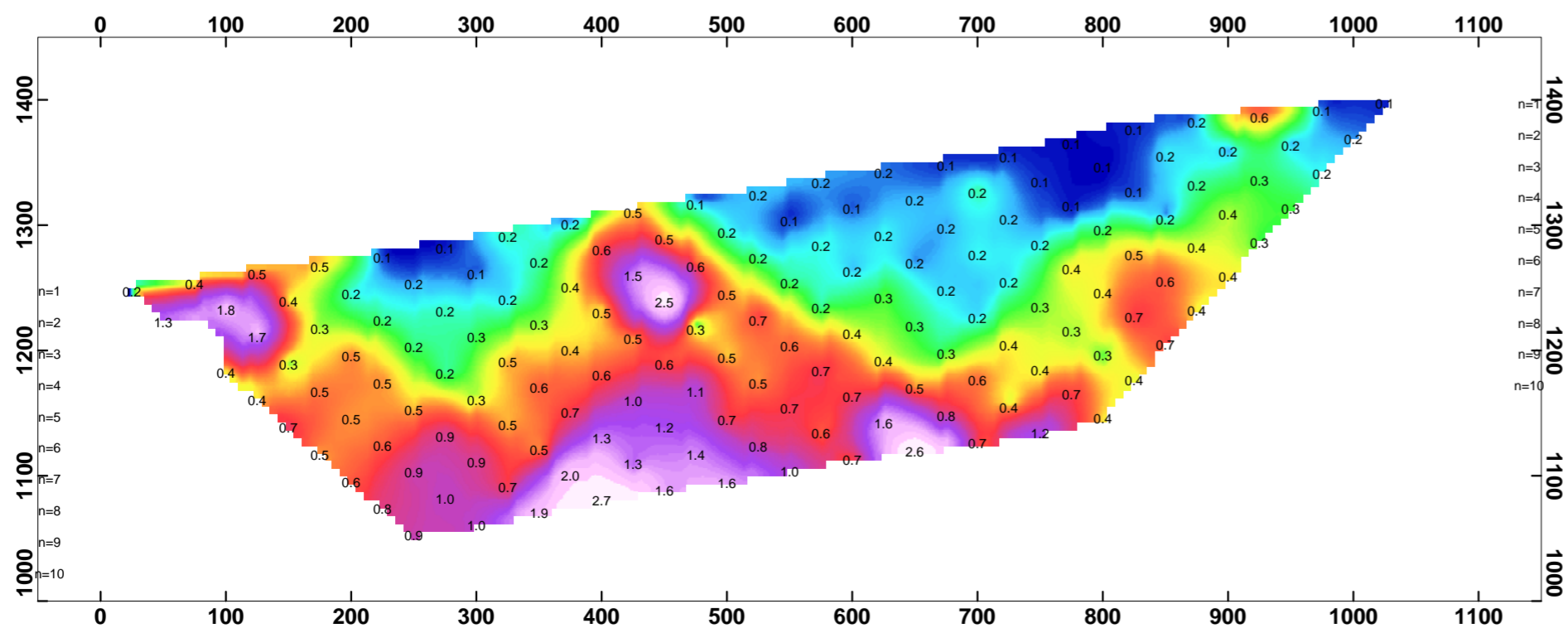
Apparent Chargeability Pseudosection



Apparent Chargeability Model



Apparent Chargeability Error Pseudosection



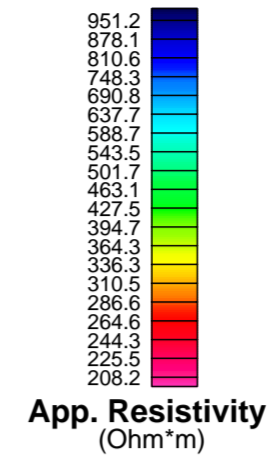
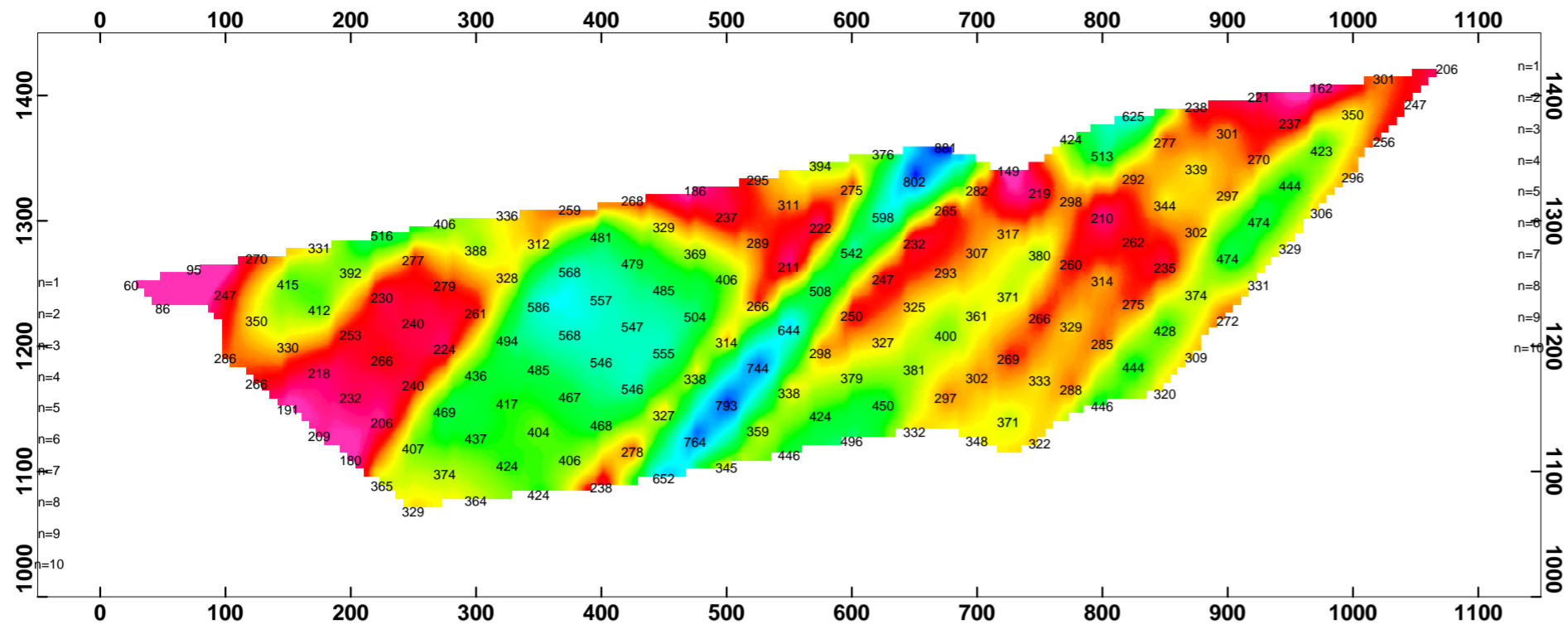
STRATEGIC METALS LTD.

INDUCED POLARIZATION SURVEY Tagai Grid COMPOSITE SECTIONS L4 N

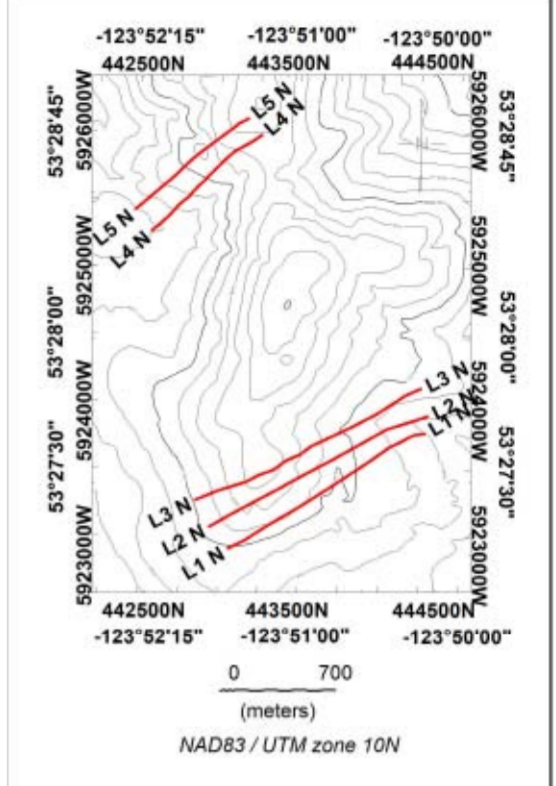
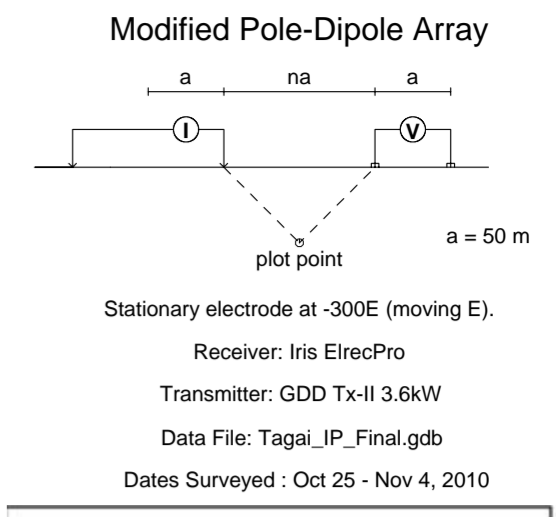
Mining District: Prince George NTS: 093G05
Date: Jan 5, 2011 Job: SMD-10574-BC

AURORA GEOSCIENCES LTD.

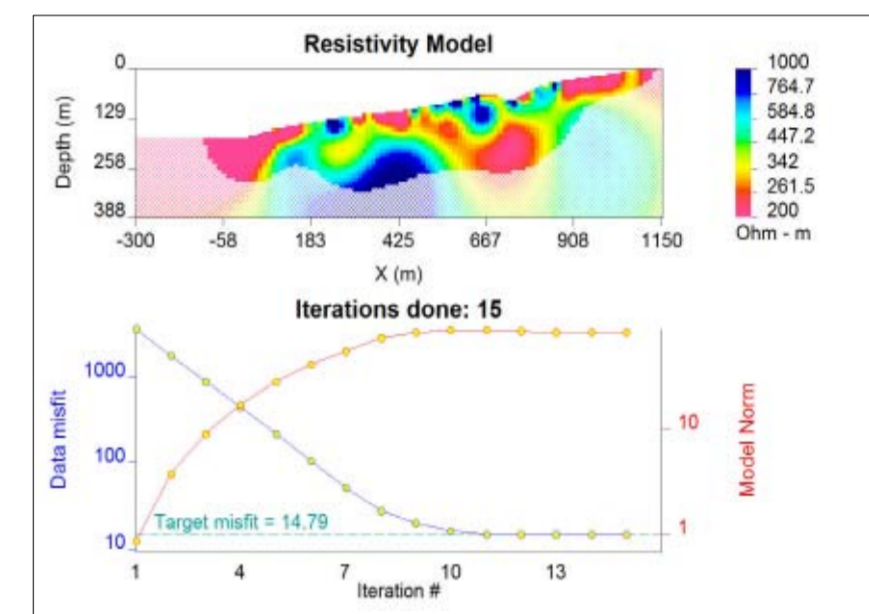
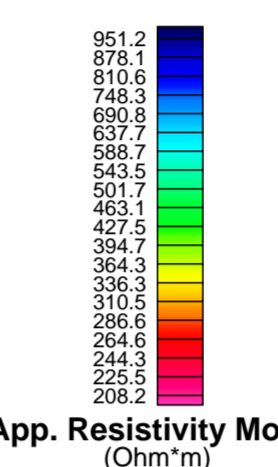
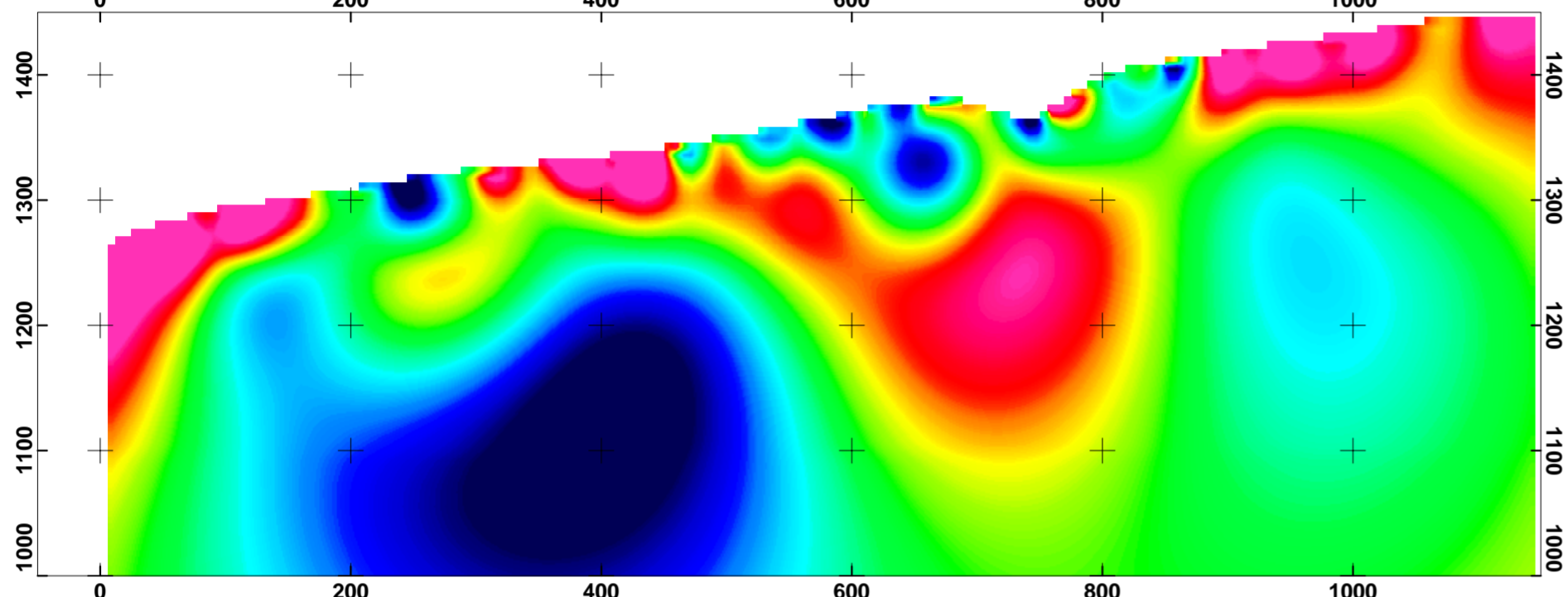
Apparent Resistivity Pseudosection



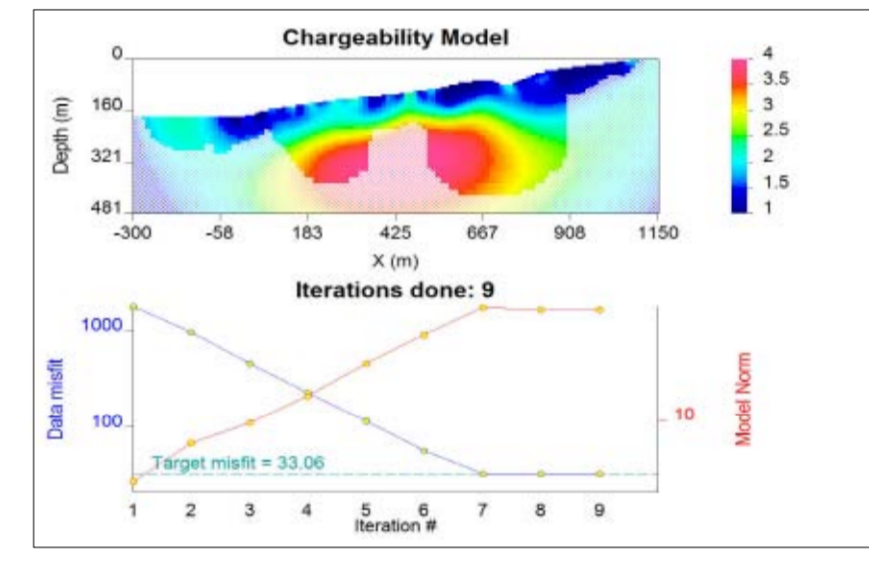
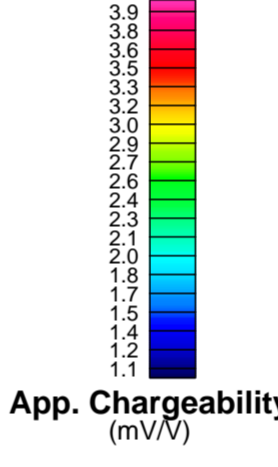
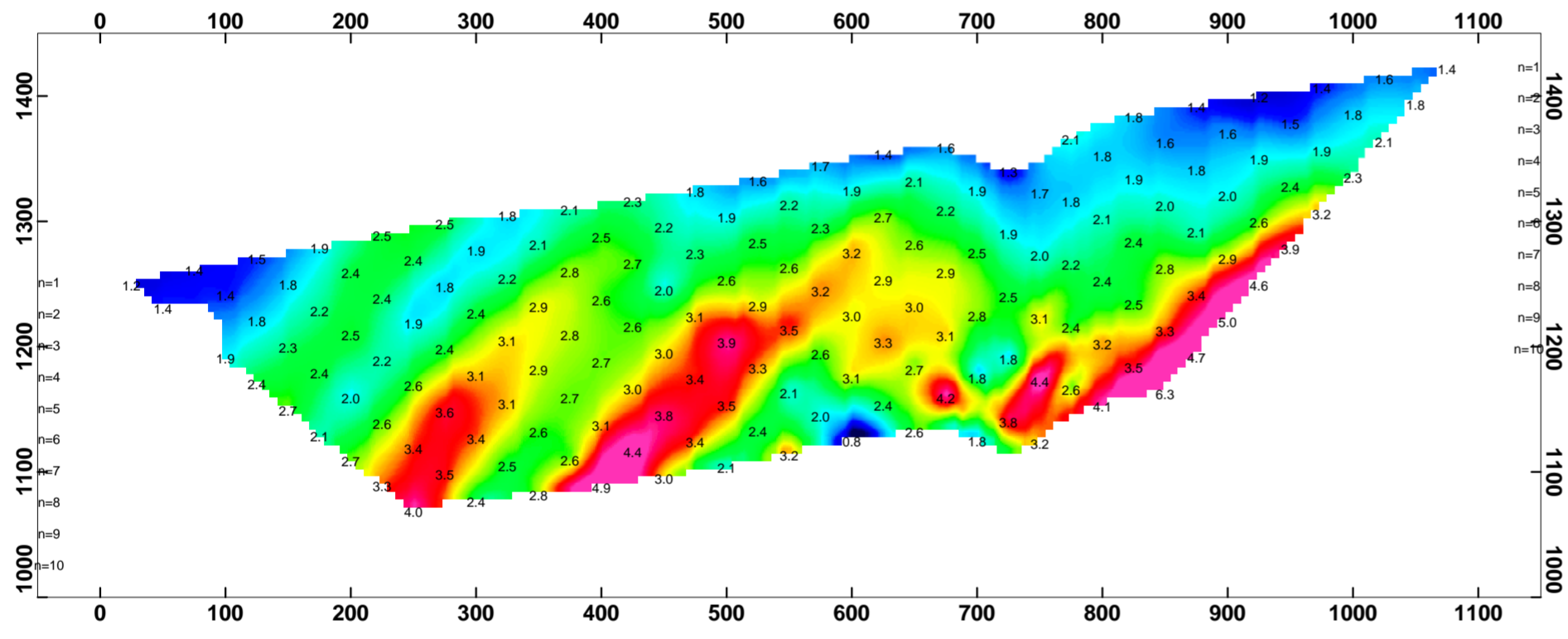
COMPOSITE SECTIONS L 5 N



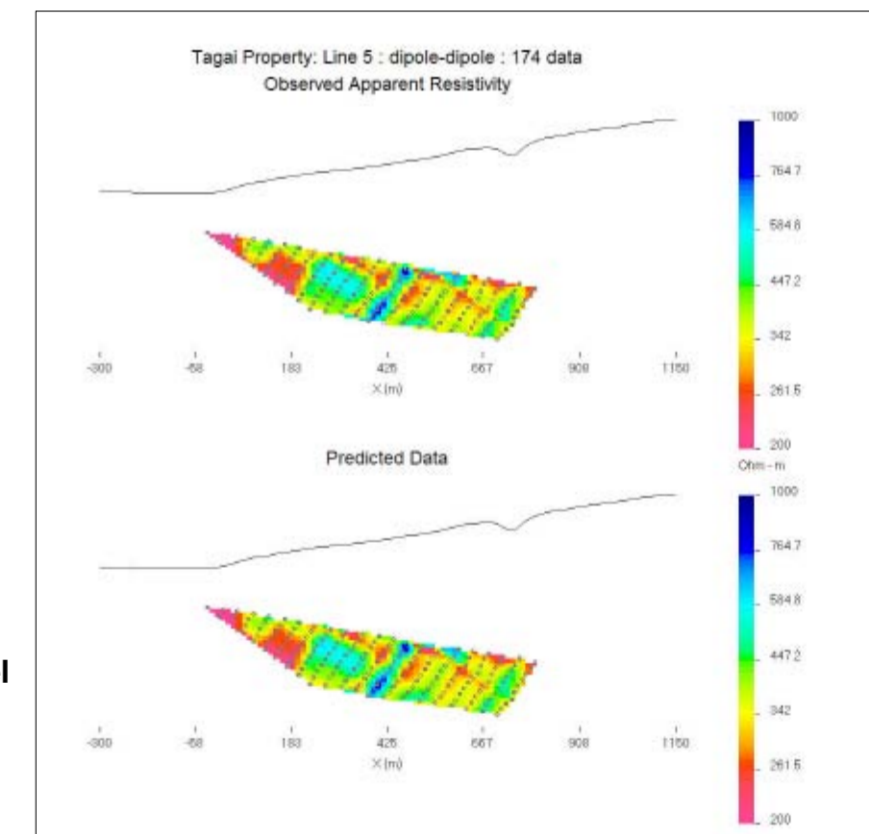
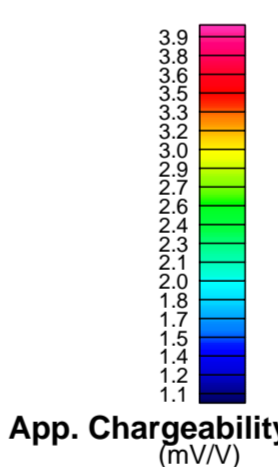
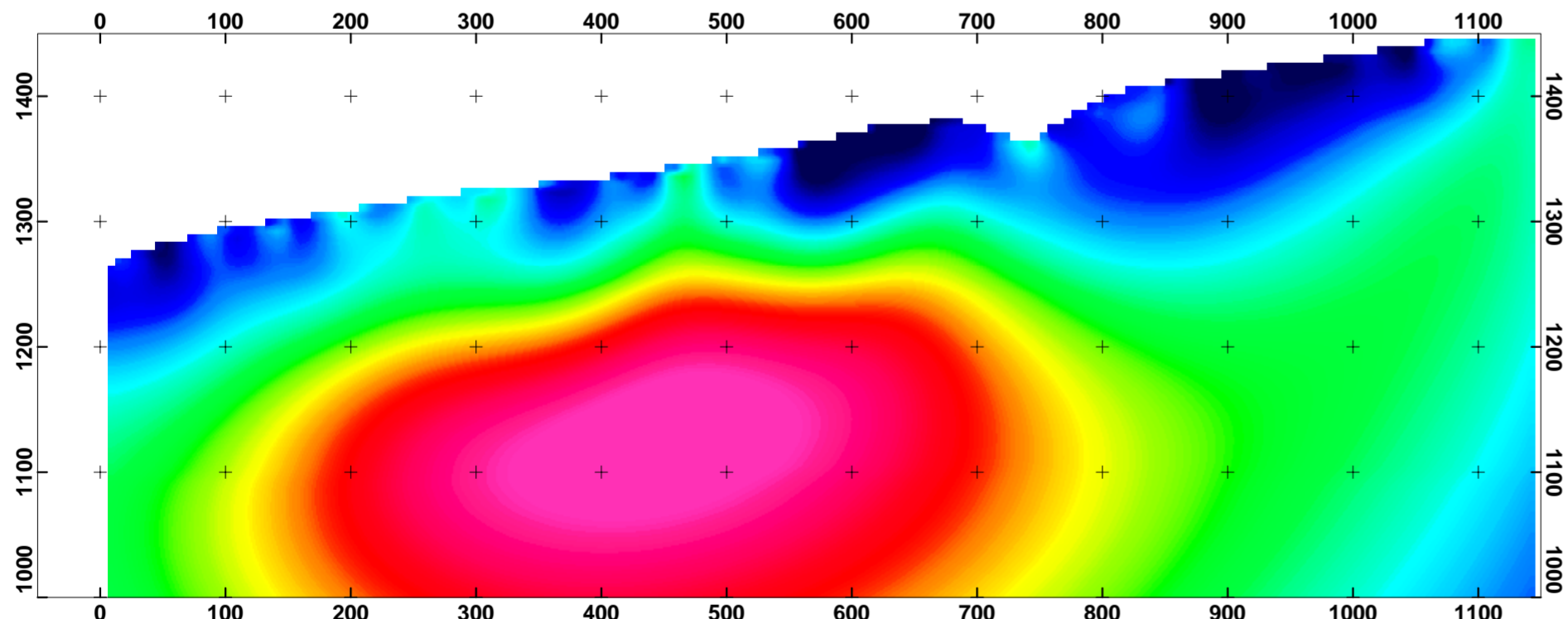
Apparent Resistivity Model



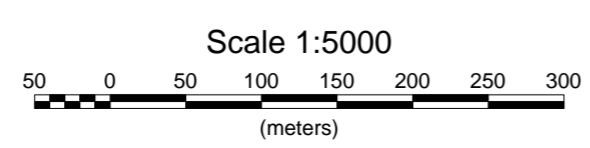
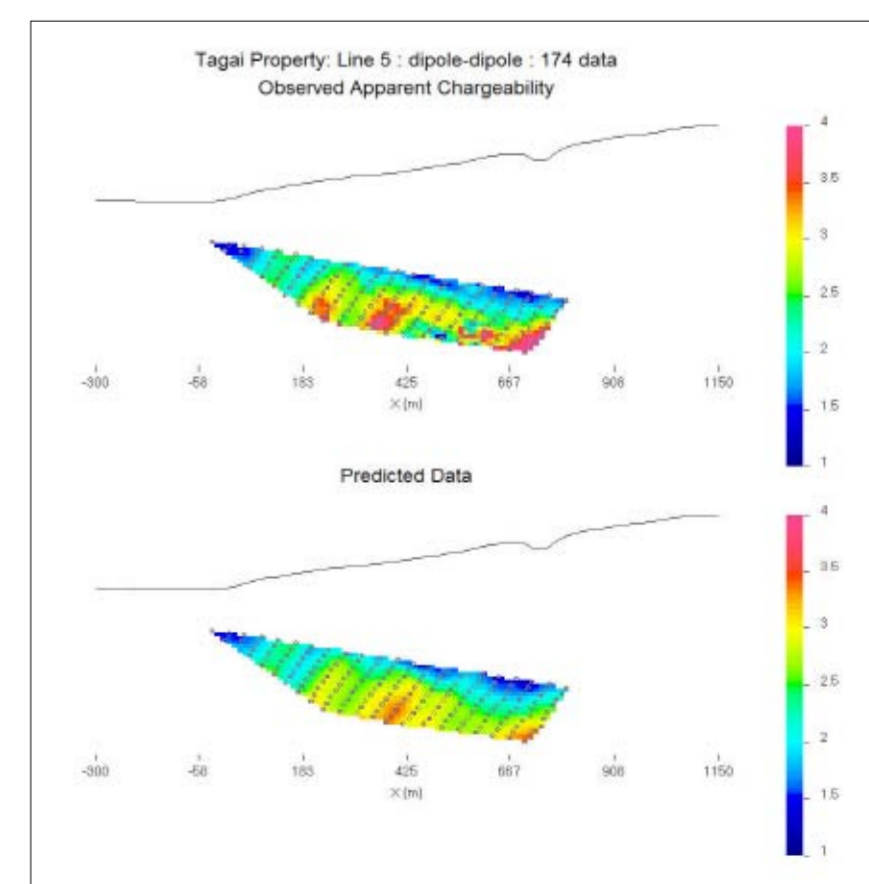
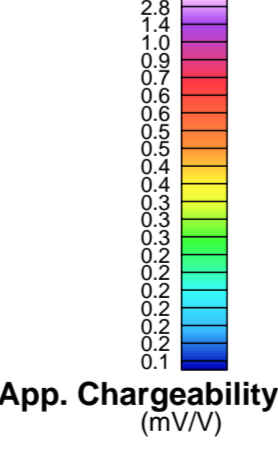
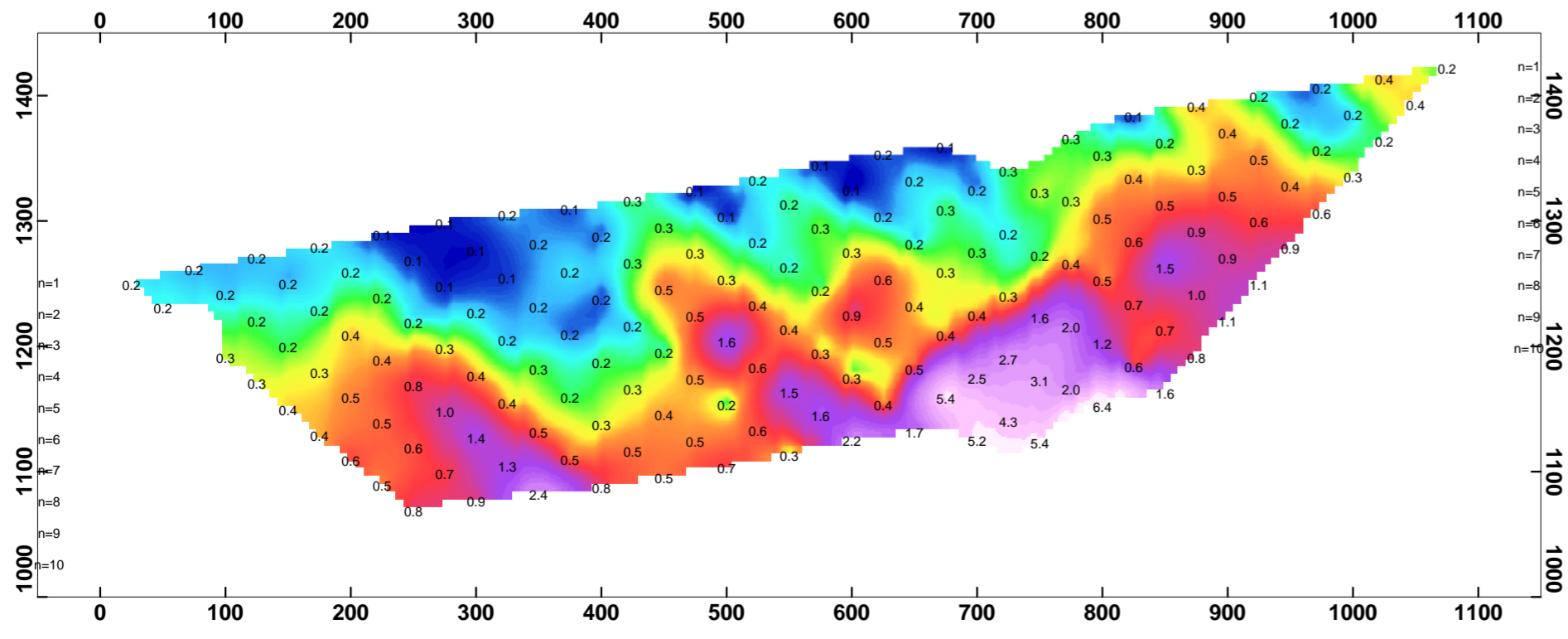
Apparent Chargeability Pseudosection



Apparent Chargeability Model

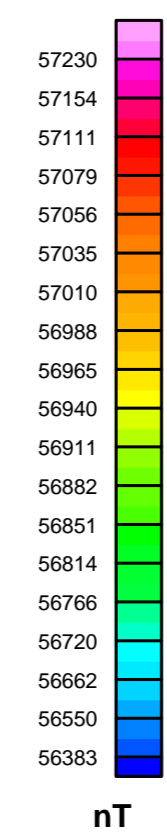
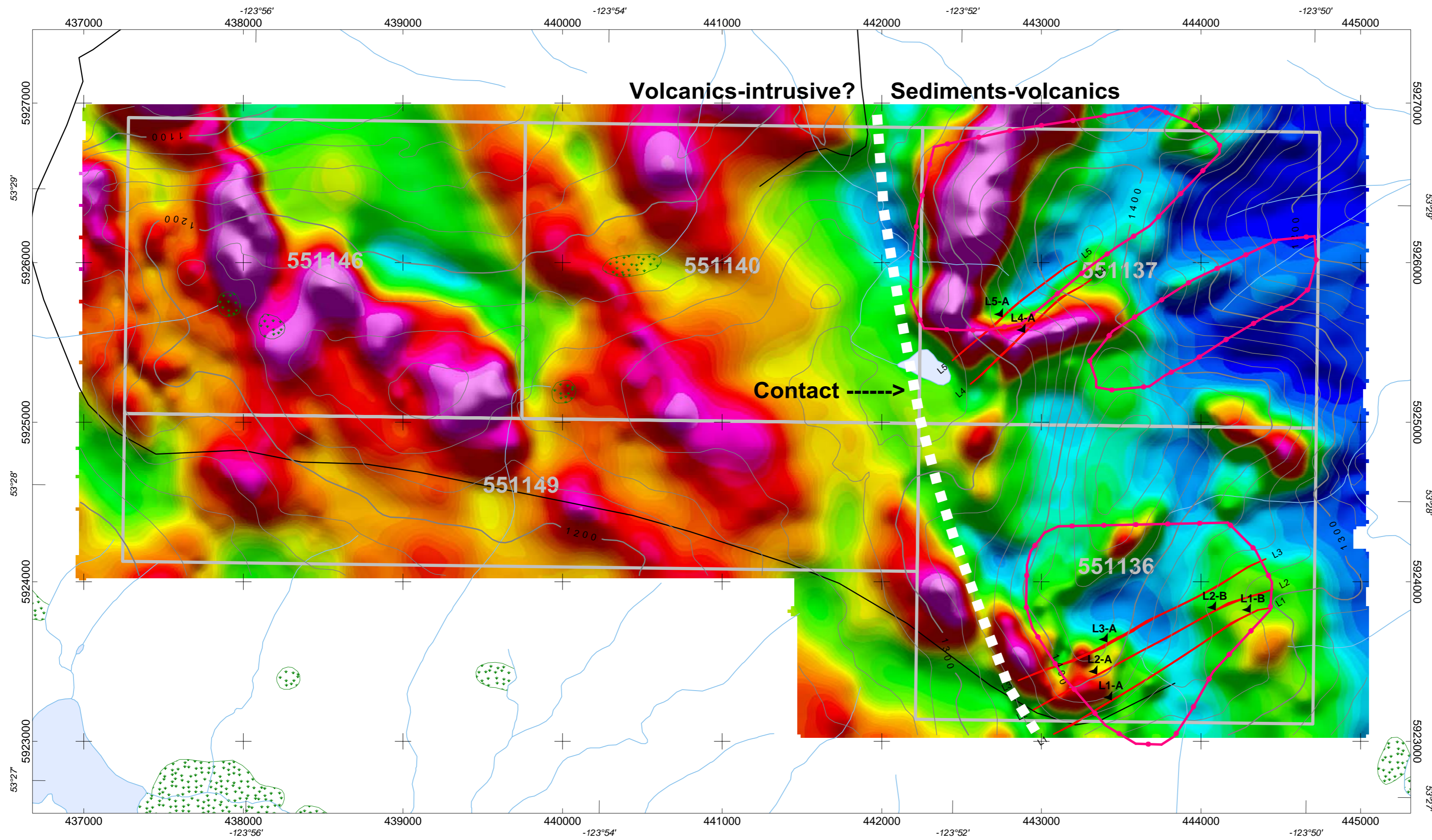


Apparent Chargeability Error Pseudosection



STRATEGIC METALS LTD.
INDUCED POLARIZATION SURVEY
 Tagai Grid
 COMPOSITE SECTIONS L 5 N
 Mining District: Prince George NTS: 093G05
 Date: Jan 5, 2011 Job: SMD-10574-BC
AURORA GEOSCIENCES LTD.

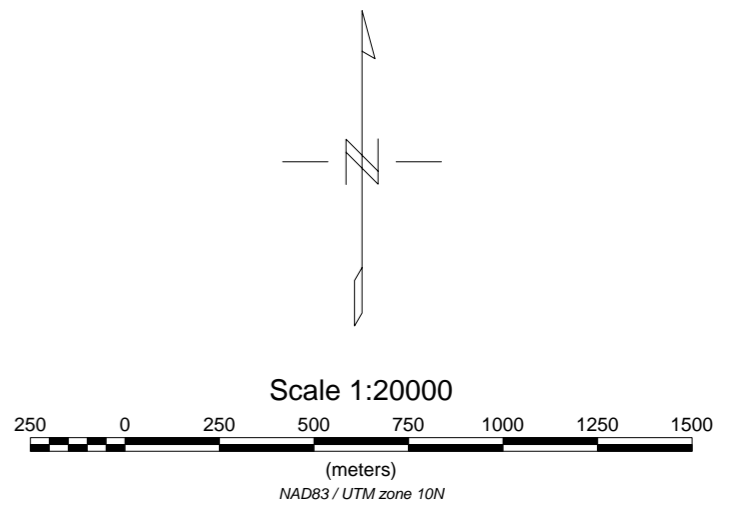
APPENDIX C: ARCHIVE DVD



Legend
 IP Survey with Anomaly Picks
 L1-A L3
 Geochem Zones

TOPOGRAPHIC LEGEND:

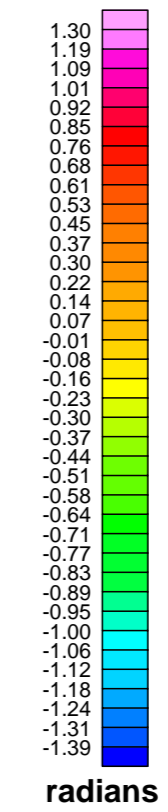
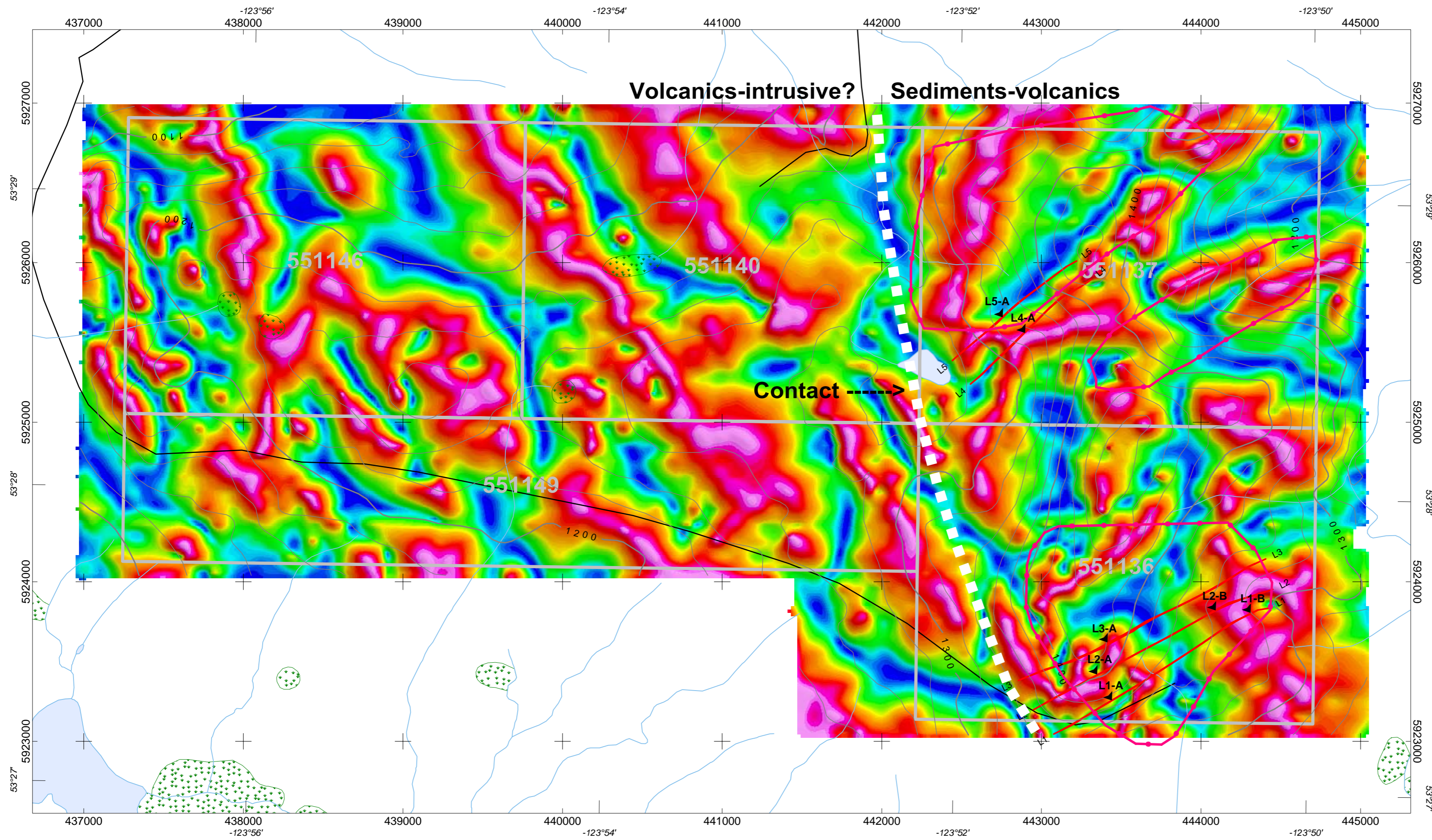
- Roads
- Trails
- Contours
- Rivers & Streams
- Lakes
- Wetlands
- Mineral Claims



Strategic Metals Ltd.
Tagai Block
 British Columbia
VTEM Survey
Total Magnetic Intensity

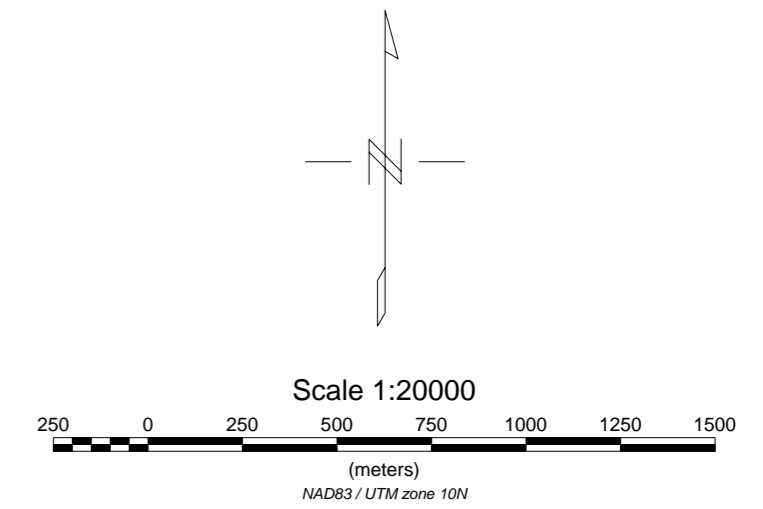
Flown: August 2008
 Acquired by GEOTECH LTD.
 Processed: April 2011





Legend
 IP Survey with Anomaly Picks
 L1-A L3
 Geochem Zones

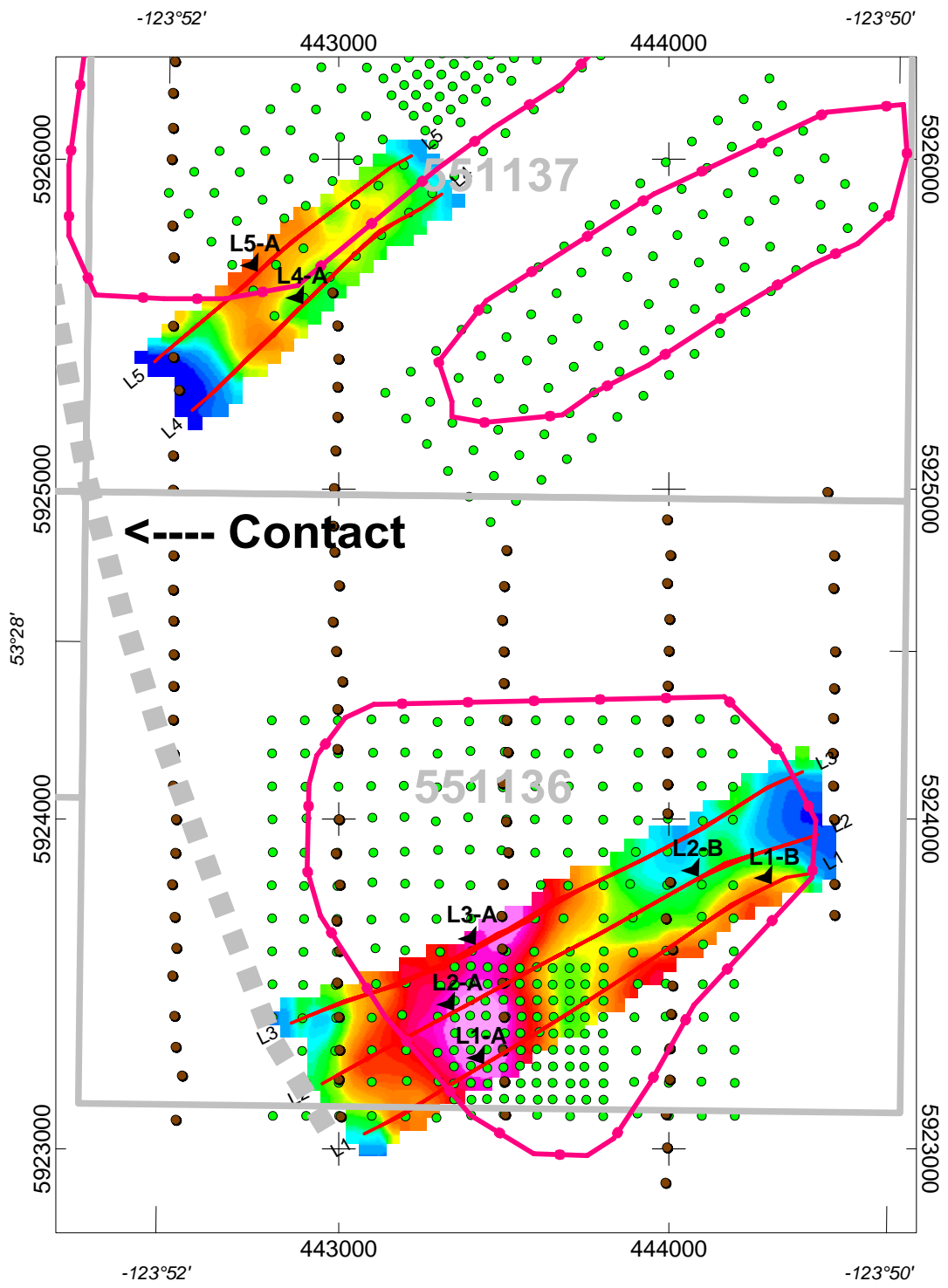
TOPOGRAPHIC LEGEND:
 Roads
 Trails
 Contours
 Rivers & Streams
 Lakes
 Wetlands
 Mineral Claims



Strategic Metals Ltd.
Tagai Block
 British Columbia
VTEM Survey
Magnetic Tilt Angle

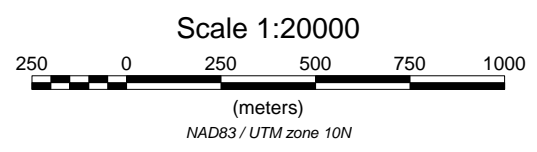
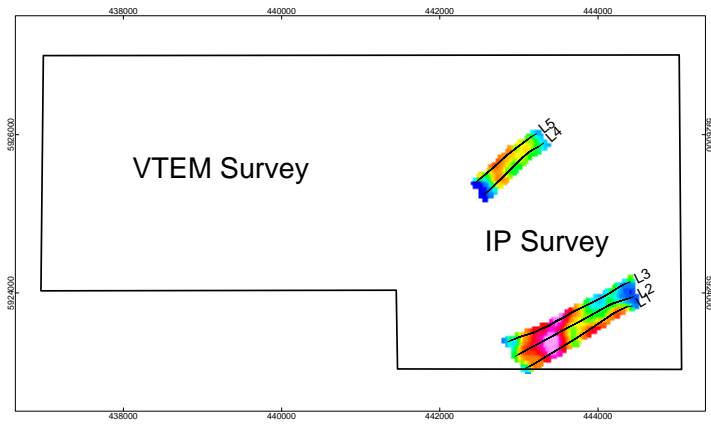
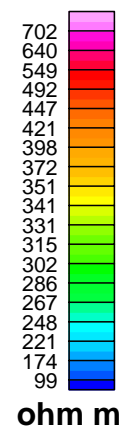
*Flown: August 2008
 Acquired by GEOTECH LTD.
 Processed: April 2011*





Legend

- IP Survey with Anomaly Picks
- L1-A L3
- Soil Geochemistry 2007
- Soil Geochemistry 2009
- Geochem Zones
- Mineral Claims

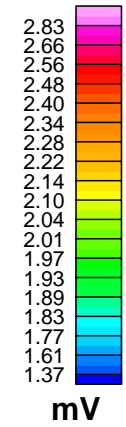
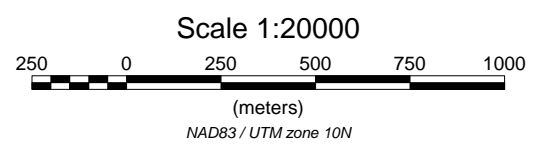
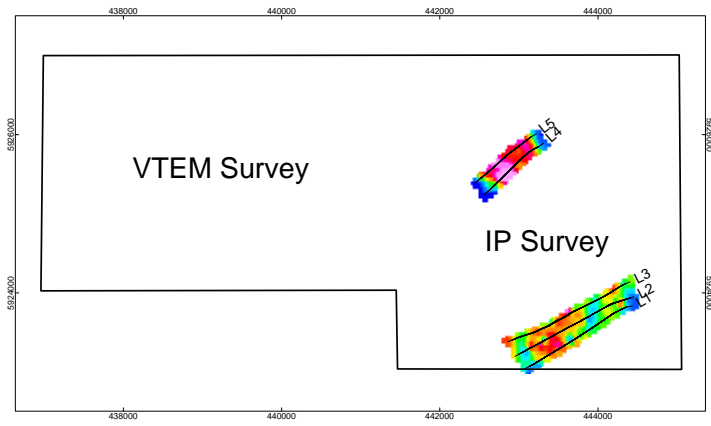
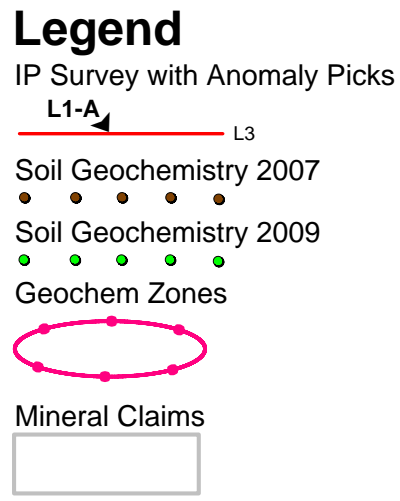
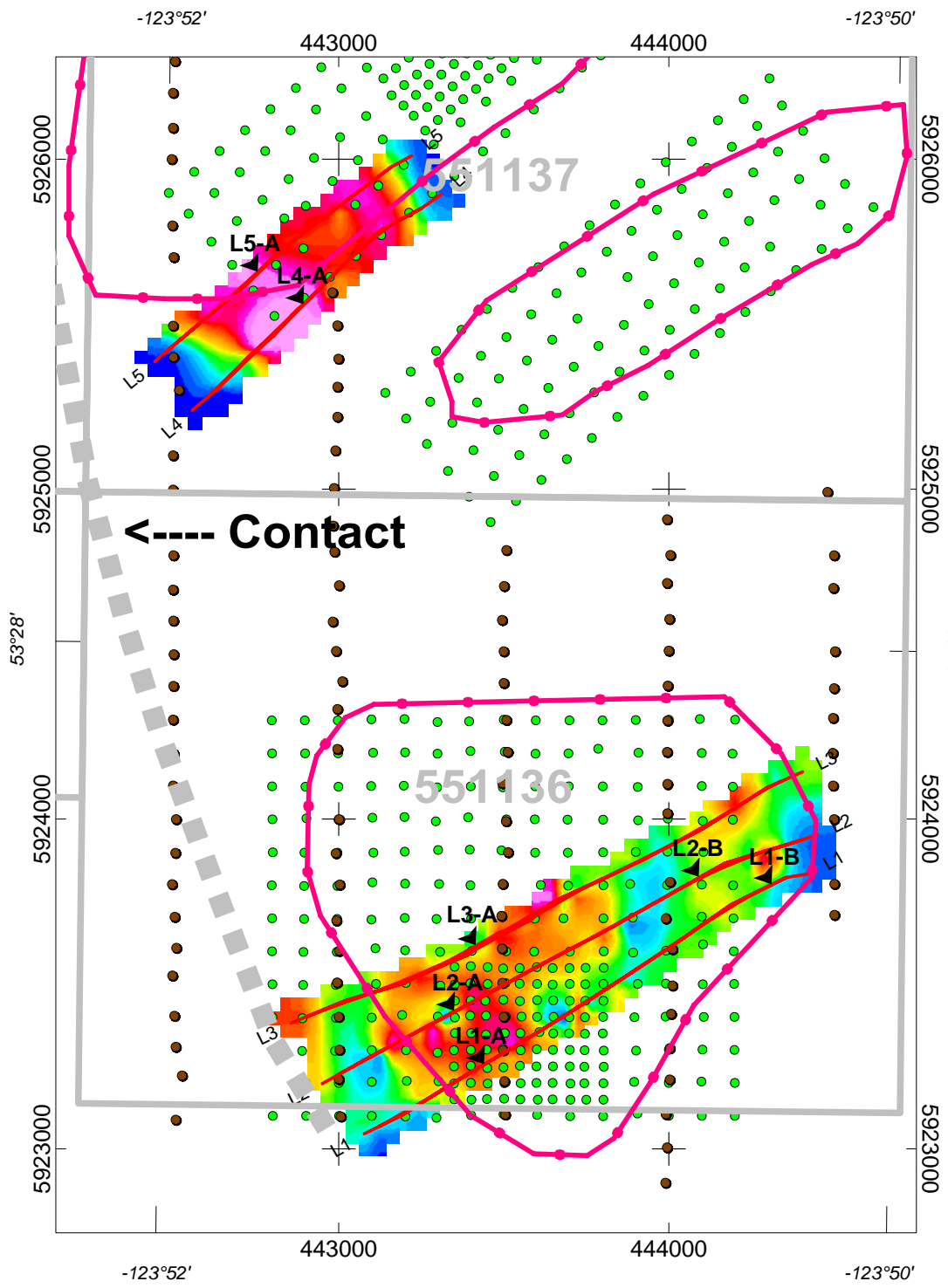


Strategic Metals Ltd.
Tagai Block
 British Columbia

Induced Polarization Survey
Resistivity

Acquired Oct.-Nov. 2010
 by AURORA GEOSCIENCES
 Processed: April 2011



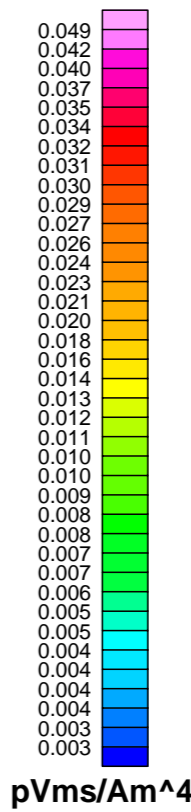
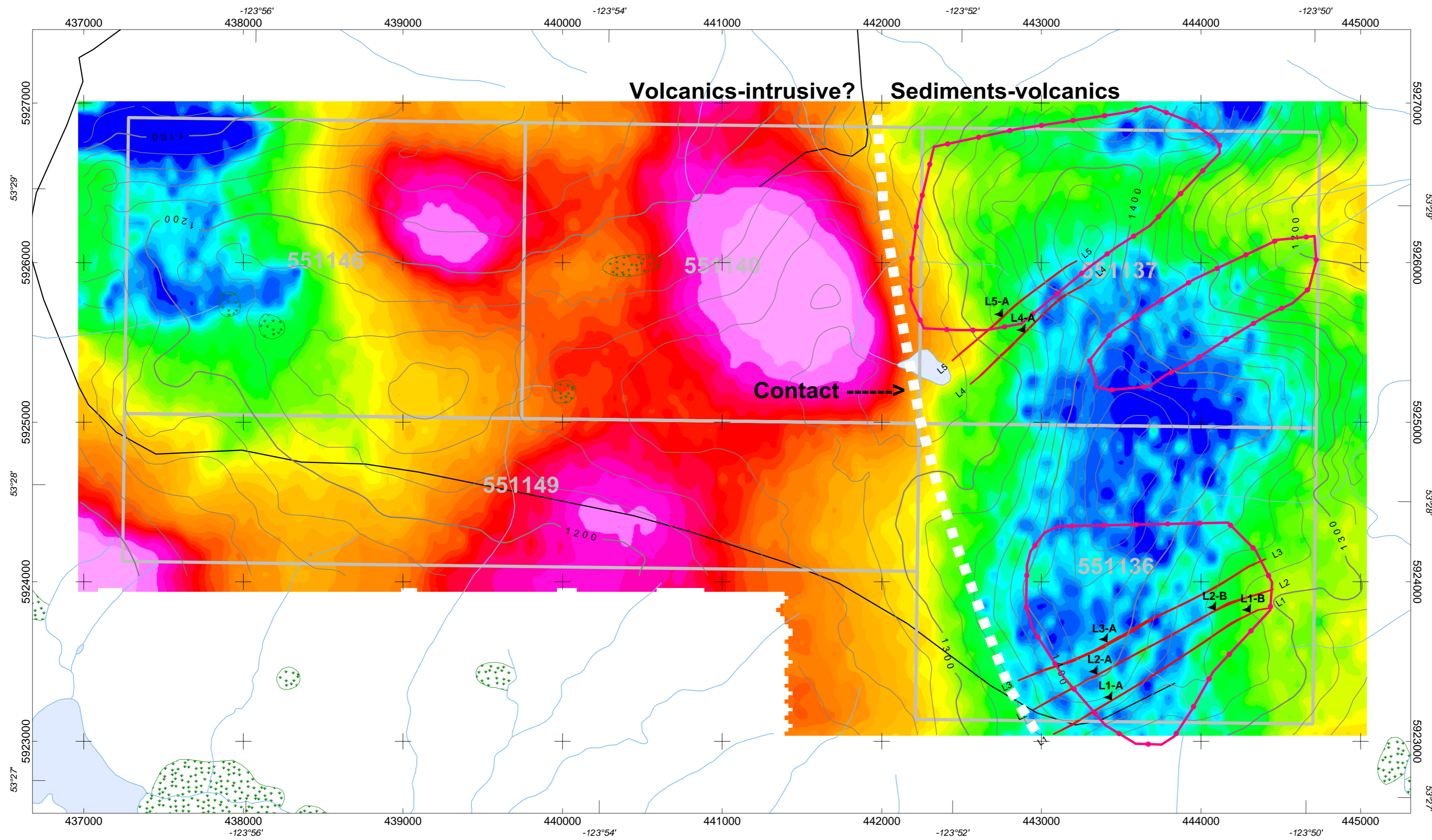


Strategic Metals Ltd.
Tagai Block
 British Columbia
 Induced Polarization Survey
Chargeability

Acquired Oct.-Nov. 2010
 by AURORA GEOSCIENCES
 Processed: April 2011



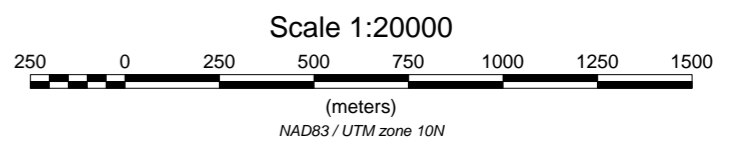
Condor Consulting Inc.
 Lakewood, Colorado



Legend
 IP Survey with Anomaly Picks
 L1-A L3
 Geochem Zones

TOPOGRAPHIC LEGEND:

- Roads
- Trails
- Contours
- Rivers & Streams
- Lakes
- Wetlands
- Mineral Claims



Strategic Metals Ltd.
Tagai Block
 British Columbia
VTEM Survey
EM Z B-field Channel 21

*Flown: August 2008
 Acquired by GEOTECH LTD.
 Processed: April 2011*

