# A REPORT

## ON

## MAGNETIC & INDUCED POLARIZATION SURVEYING



**Houston Area, B.C.**

**54° 01'N, 126° 57'W**
**N.T.S. 92L/02W**



**Claims surveyed:** **Frank 1 & 2, Pine 1, 2, 11 to 14**
**Poplar 70 & 82**

**Survey Dates:** **October 6th – 24th, 2004**

**FOR**

**Owner/Operator:** **AUMEGA DISCOVERIES LTD.**

**Vancouver, British Columbia**

**By**

**PETER E. WALCOTT & ASSOCIATES LTD.**

**Vancouver, B.C.**

# TABLE OF CONTENTS

## INTRODUCTION.

In the fall of 2004 Peter E. Walcott & Associates Limited undertook magnetic and induced polarization surveying (I.P.) over the China Creek Area, Poplar Property, located in the Houston area of British Columbia, for Aumega Discoveries Ltd.

The survey was carried out over north-south hand cut lines established by personnel from CJL Enterprises Ltd. of Smithers, B.C.

The magnetic survey was carried out using a GSM 8 proton precession magnetometer with corrections for the magnetic diurnal computed from comparison with readings taken from a fixed GSM 19 base magnetometer.

Measurements – first to sixth separation – of apparent chargeability – the I.P. response parameter – and resistivity were made over the grid using the pole-dipole technique with a 50 metre dipole.

The data are presented in contour, stack section and individual profiles as discussed in the report.

## PROPERTY, LOCATION AND ACCESS.

The property, known as the Poplar Property, is located in the Omineca Mining Division of British Columbia and consists of the following claims:

| CLAIM NAME | TENURE # | NO. OF UNITS |
|---|---|---|
| FRANK 1 | 407656 | 20 |
| FRANK 2 | 407657 | 18 |
| PINE 1 | 414214 | 16 |
| PINE 2 | 414215 | 12 |
| PINE 11 | 246023 | 1 |
| PINE 12 | 246024 | 1 |
| PINE 13 | 246025 | 1 |
| PINE 14 | 246026 | 1 |
| POPLAR 70 | 245932 | 1 |
| POPLAR 82 | 245944 | 1 |
| POPLAR | 411761 | 12 |
| POPLAR 2 | 413559 | 8 |
| POPLAR 3 | 413560 | 3 |
| POPLAR #1 | 245318 | 1 |
| POPLAR #4 | 245321 | 1 |
| POPLAR 7 | 245890 | 1 |
| POPLAR 8 | 245891 | 1 |
| POPLAR 9 | 245892 | 1 |
| POPLAR 10 | 245893 | 1 |
| POPLAR 13 | 245896 | 1 |
| POPLAR 11 | 245894 | 1 |
| 751121 | 245333 | 1 |
| POPLAR #1 Fr | 245357 | 1 |
| DAVE 1 | 246089 | 1 |
| 7883M | 245320 | 1 |
| 7886M | 245323 | 1 |
| POPLAR 2 Fr | 245322 | 1 |
| DAVE 2 | 246090 | 1 |
| 751119 | 245331 | 1 |
| DAVE 5 | 246092 | 1 |

**PROPERTY, LOCATION & ACCESS cont'd**

The claims are situated on the north side of Poplar Lake, some 75 kilometres south of the town of Houston, British Columbia.

Access is obtained from Houston via the Morice River forest service road, and thence by the Morice – Owen forest service road, and finally by an old used logging road to China Creek.

## GEOLOGY.

The Poplar Property lies within the strongly mineralized Intermontane Belt east of the Coast Crystalline Belt which is underlain by Mesozoic volcanic and sedimentary rocks. These are intruded by numerous Jurassic, Cretaceous and early Tertiary rocks which host significant porphyry copper – gold – molybdenum deposits such as Huckleberry and Ox Lake.

Three zones centred around Late Cretaceous stocks are found on the property, namely the Main Zone, the East Zone, and the China Creek Zone. The first two comprise the Poplar deposit which hosts an estimated 116,000,000 tonnes of 0.32% Cu, 0.1 g/t Au and 0.009% Mo (Drummond, 1991).

At China Creek a small stock of dimension 600 x 400 metres – biotite/feldspar diorite – intrudes the Hazelton volcanics. Hornfelsing is observed on the eastern contact between the stock and the surrounding volcanic rocks

Minor chalcopyrite and molybdenum were noted on the property at the time of the survey.

For further information the reader is referred to the numerous reports on the property listed in the appendix.

## PURPOSE.

The purpose of the survey was to try and outline zones of sulphide mineralization prior to further investigation of the China Creek area by drilling.

## PREVIOUS WORK.

Previous work on the China Creek area consisted of prospecting, magnetic surveying, geochemical surveying and trenching by Utah Mining, and diamond drilling - 3 holes - by New Canim Resources.

The reader is referred to the previously mentioned reports for further details.

## SURVEY SPECIFICATIONS.

*Magnetic Surveying.*

The magnetic survey was carried out using a GSM-8 proton precession magnetometer manufactured by GEM Systems of Metropolitan Toronto, Ontario. This instrument measures variations of the earth's magnetic field to an accuracy of +/- 0.5 nanoteslas. Corrections for diurnal variations were made by comparison with readings taken at 10-second intervals on a similar instrument, held fixed at one location.

In all some 20 kilometres of magnetic surveying were carried out at 12.5 metre station intervals.

*Induced Polarization Surveying.*

The induced polarization (I.P.) survey was conducted using a pulse type system, the principal components of which are manufactured by Iris Instruments of Orleans, France and Androterrex Ltd. of Metropolitan Toronto, Ontario.

The system consists basically of three units, a receiver (Iris), transmitter and a motor generator. The transmitter (Androterrex), which provides a maximum of 7.5 kw d.c. to the ground, obtains its power from a 7.5 kw three phase alternator driven by a 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 $C_1$ and $C_2$, the primary voltages (V) appearing between any two potential electrodes, $P_1$ through $P_7$, during the "current-on" part of the cycle, and the apparent chargeability, ($M_a$) 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 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

## SURVEY SPECIFICATIONS cont'd

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 for a total of 20 kilometre coverage.

### Ground Control.

The lines were surveyed using two CMC Allstar L1 single frequency receivers – one as a fixed base - providing horizontal vertical and horizontal accuracies to plus or minus .05 metres. The raw data was processed using Grafnav to obtain final solutions for the station locations and elevations.

### Data Presentation.

The magnetic data is presented in contour form on an idealized plan map of the China Creek grid. The data was decimated before gridding in an effort to reduce the contour bias caused by small station and large line spacings.

The I.P. data are presented as stacked pseudo section plots of apparent chargeability and resistivity at a scale of 1:5000. Contour plots of the second and fourth separation results are also included at the same scale.

**SURVEY SPECIFICATIONS cont'd**

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 1:5000 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.**

The results of the magnetic survey – Map 4 – showed good correlation with those obtained by Utah Mines in the seventies after the grids were aligned by means of the topographic map – Map 11.

The results were also upward continued to 300 metres and compared favourably with the government high level magnetics.

The intrusive plus is clearly discernible as a magnetic low centred on Line 14140E. It appears to be truncated by a fault running up China Creek and its tributary.

A similar north northwesterly trending fault is postulated some one kilometers to the east based on the magnetic pattern.

Biotite – magnetite alteration - hornfelsing - could be the causative source of the higher magnetics peripheral to the intrusive plug.

The above mentioned faults are readily discernible as resistivity lows on the plan maps of the second and fourth separation resistivity - Maps 5 & 6.

A strong circular like chargeability feature can be seen centred over the eastern half of the porphyry plug and centred on Line 14350 E – Maps 7 & 8, the contoured plans of the second and fourth separation chargeability results respectively.

This feature is also bounded on the east and west by the two faults.

The copper geochemistry of Utah Mines showed a strong soil anomaly down slope from this chargeablity feature.

Two other zones of anomalous chargeability can also be seen on the above mentioned plan maps, one to the north of the main anomaly and the other on the two most eastern lines. Both of these remained undefined to the north and east respectively.

These features can be seen in more detail on the stack pseudo sections of the individual line data – Maps 9 & 10.

**DISCUSSION OF RESULTS cont'd**

The modeled resistivities and chargeabilities from the Loke 2D inversion are plotted on topographic profiles of the individual lines – Line 13750 to 15550E.

Four holes are suggested to test the higher chargeabilities peripheral to the intrusive. They are:

| | |
|---|---|
| Hole #1 | collared at 6050N on Line 14550E and drilled northwards along the line for 150 metres at 60° dip. |
| Hole #2 | collared at 6525N on Line 14350E and drilled southwards along the line for 150 metres at 60° dip. |
| Hole #3 | collared at 6050N on Line 14750E and drilled northwards along the line for 150 metres at 60° dip. |
| Hole #4 | collared at 6300N on Line 14750E and drilled southwards along the line For 150 metres at 60° dip. |

The collar location and the surface projection of these holes are shown on Map 11 – the topographic plan map of the grid.

Should encouraging results be obtained three additional 60° holes - shown on Map 11 – should be contemplated for further testing of the anomalous chargeabilities.

## SUMMARY , CONCLUSIONS & RECOMMENDATIONS.

Between October 6th and 24th, Peter E. Walcott & Associates Limited carried out induced polarization and magnetic surveying over the China Creek Area of the Poplar Property for Aumega Discoveries Ltd.

The property is located on the north side of Poplar Lake, some 75 kilometers south of Houston, British Columbia.

The magnetic survey showed good correlation with the results of the 1975 survey, and revealed the intrusive plug to exhibit a lower magnetic susceptibility than the surrounding host volcanic sedimentary package. Some biotite-magnetite alteration was suggested by the increase in magnetic field peripheral to the intrusive.

The induced polarization survey showed the presence of a large high intensity chargeability anomaly over the eastern part of the plug and extending into the surrounding rocks.

In addition two weaker and smaller yet undefined areas of anomalous induced polarization response were noted to the north and east of the above mentioned.

Four drill holes are recommended to test the zone of higher chargeability in the hornfelsed rocks peripheral to the intrusive plug, the collar locations and drill directions and dips are noted in the earlier section of the report.

Should encouraging results be obtained then the further three holes proposed should be drilled.

Respectfully submitted,

**PETER E. WALCOTT & ASSOCIATES LIMITED**

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

**Vancouver, B.C.**
**August 2005**

# APPENDIX

## COST OF SURVEY

Peter E. Walcott & Associates Limited undertook the survey on a daily basis. Mobilization, interpretation and reporting were extra so that the total cost of services provided was $46,953.92.

CJL Enterprises Ltd. provided room and board for the I.P. at Owen Lake Lode at a cost of $17,125.35.

CJL Enterprises Ltd. also cut the 20 kilometres of traverse line at a cost of $43,517.97.

Then the total cost of the programme was $107,597.24

**PERSONNEL EMPLOYED ON SURVEY.**

| Name | Occupation | Address | Dates |
|---|---|---|---|
| Peter E. Walcott | Geophysicist | Peter E. Walcott & . Associates Limited 506-1529 W, 6$^{th}$ Ave. Vancouver, B.C. | Oct. 28th$^{th}$ – Oct. 31$^{st}$– 2004 Jan 17th – 20$^{th}$, Aug 24$^{th}$ – 25th, 2005 |
| Alexander Walcott | " | " | Nov. 1st$^{h}$ – 10t$^{h}$ 2004 Feb. 14$^{th}$ – 18th, 2005 Aug. 18$^{th}$ – 20$^{th}$, 2005 |
| T. Kocan | Geophysical Operator | " | Oct. 6$^{th}$ – 24$^{th}$, 2004 Nov. 4$^{th}$ – 10$^{th}$, 2004 |
| P. Charlie | " | " | Oct. 6$^{th}$ – 24$^{th}$, 2004 |
| Otto Janout | Geophysical Assistant | " | Oct. 7$^{th}$ – 20$^{th}$, 2004 |
| | " | | " |
| N. Russell | " | " | Oct. 8$^{th}$ – 23$^{rd}$, 2004 |
| T. George | " | " | Oct. 8$^{th}$ – 20$^{th}$, 2004 |
| L. Price | " | " | Oct. 7$^{th}$ – 10$^{th}$, 2004 |
| B. Wang | Geophysicist | " | Oct. 7$^{th}$ – 20$^{th}$, 2004 |
| J. Walcott | Report preparation | " | Aug. 25$^{th}$, 2005 |

## CERTIFICATION

1. I am 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 three 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 Aumega Discoveries Ltd., nor do I expect to receive any.

Peter E.Walcott, P.Eng.

**Vancouver, B.C.**
**August 2005**

**REFERENCES.**

1. Bowen, B.K. (1975) Geological and Geophysical Report on the Poplar Groups, 1, 2, 3, 5 and 6, Omineca Mining Division: Assessment Report - No. 5679, for Utah Mines Ltd. dated Nov. 23, 1976.

2. Bowen, B.K. (1976) Geological, Geophysical, Geochemical and Drilling Report on the Poplar Groups 1 to 7, Omineca Mining Division: Assessment Report – No. 6065, for Utah Mines Ltd. dated Nov. 23, 1976

3. Drummond, A.D. (1991) Report on the Poplar Copper-=Molybdenum-Gold-Silver-Porphyry Deposit for New Canamin Resources dated August 1991

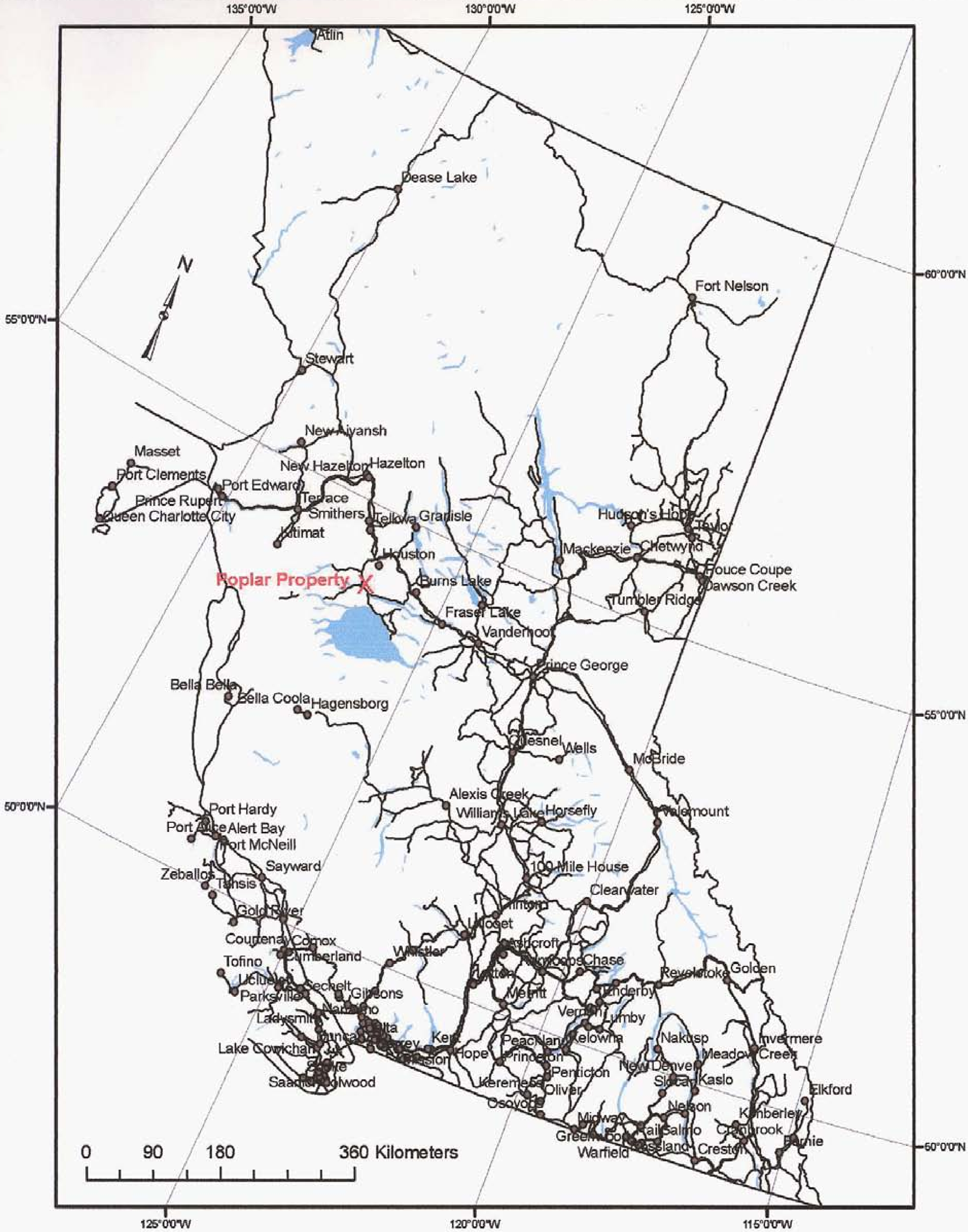
4. House, Gordon D. (Nov. 1991) Report on 1991 Drill Programme for New Canmin Resources Ltd.

5. House, G.D. and Ainsworth, B. (1995) The Poplar Clopper Molybdenum Gold Porphyry Deposit – in Porphyry Deposits of the NW Cordillera of North America CIM Special Volume 46, pp.397-400

6. Price, Barry J., (2005) Technical Report – Poplar Copper-Molybdenum Porphyry completed for Aumega Discoveries Ltd.

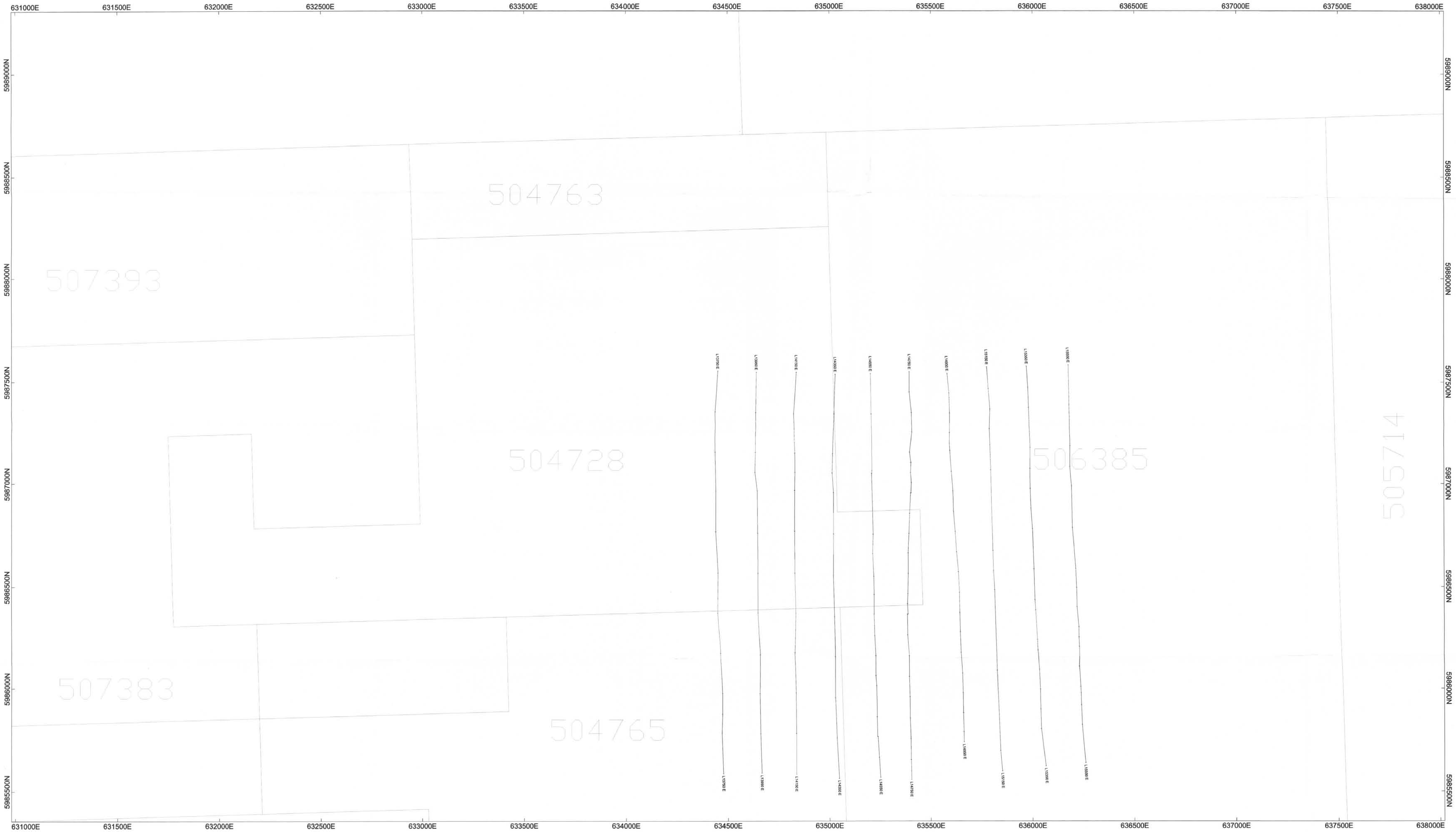
**AUMEGA DISCOVERIES LTD.**
**POPLAR PROPERTY CLAIM LIST**

| Old Claim Name & Tenure # | | New tenure # | | | | |
|---|---|---|---|---|---|---|
| Pine 1 | 414214 | 506385 | | | | |
| Pine 2 | 414215 | 506385 | | | | |
| Pine 14 | 246026 | 506385 | 504728 | | | |
| Pine 13 | 246025 | 506385 | 504728 | | | |
| Pine 12 | 246024 | 506385 | 504728 | | | |
| Pine 11 | 246023 | 506385 | 504728 | 504765 | | |
| Poplar 70 | 245932 | 506385 | 504728 | | | |
| Poplar 82 | 245944 | 504728 | | | | |
| Frank 1 | 407656 | 504763 | 504728 | 506385 | 507393 | 507383 |
| Frank 2 | 407657 | 506385 | 504765 | 504732 | 504728 | |
| Poplar | 411761 | 507383 | | | | |
| Poplar 2 | 413559 | 507393 | 507383 | | | |
| Poplar 3 | 413560 | 507383 | | | | |
| Poplar 11 | 245894 | 504728 | 507383 | | | |
| Poplar 9 | 245892 | 504728 | 504732 | | | |
| Poplar 10 | 245893 | 504732 | 504765 | | | |
| Poplar 8 | 245819 | 504732 | 504728 | | | |
| Poplar 7 | 245890 | 504728 | 504732 | | | |
| Poplar 13 | 245896 | 507383 | 504728 | | | |
| 7886M | 245323 | 507383 | 504728 | 504732 | | |
| | | | | | | |
| Poplar 2Fr | 245322 | 504728 | 507383 | | | |
| 751119 | 245331 | 507383 | 504278 | | | |
| Poplar #4 | 245321 | 507383 | 504728 | | | |
| 7883M | 245320 | 507383 | 504728 | | | |
| 751121 | 245333 | 507383 | 504728 | | | |
| Poplar #1 | 245318 | 507383 | | | | |
| | 245898 | 504732 | 504728 | | | |
| Dave 2 | 246090 | 504278 | | | | |
| Dave 1 | 246089 | 507383 | | | | |
| | 245457 | 507383 | 504728 | | | |
| Dave 5 | 246092 | 504728 | 507383 | | | |




# PROPERTY LOCATION MAP
# MAP 1


POPLAR 2
413559
2NX4W
246626
POPLAR
411761
245333
751121
245457
330374M
246092
376845M
POPLAR 13
245331
751119
245896
473743M
POPLAR #1
245318
7881M
246089
376841M
245320
7883M
245322
7885M
245894
473741M
3NX4W
245321
246090
376842M
POPLAR 7
245890
473737M
POPLAR 9
245892
473739M
POPLAR #4
7884M
245323
7886M
245898
473768M
POPLAR 8
217385
245891
473738M
POPLAR 10
245893
473740M
POPLAR 3
413560
1SX3W
246627
FRANK 1
407656
4NX5W
FRANK 2
407657
3SX6W
217121
217122
245932
473762M
245944
408550M
246023
488611M
PINE #13
246025
488613M
PINE #14
246026
488614M
246024
PINE #12
488612M
245976
245977
PINE 1
414214
4NX4E
PINE 2
414215
3SX4E
Scale 1:10000
metres
NAD83 / UTM zone 9N
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
27?58
AUMEGA DISCOVERIES LTD.
CLAIM & GRID LOCATION MAP
POPLAR PROPERTY
HOUSTON AREA, OMENICA M.D.
BCGS 93L006
MAP 2
PETER E. WALCOTT & ASSOCIATES LIMITED




Scale 1:10000

200 0 200 400 600

metres

*NAD83 / UTM zone 9N*

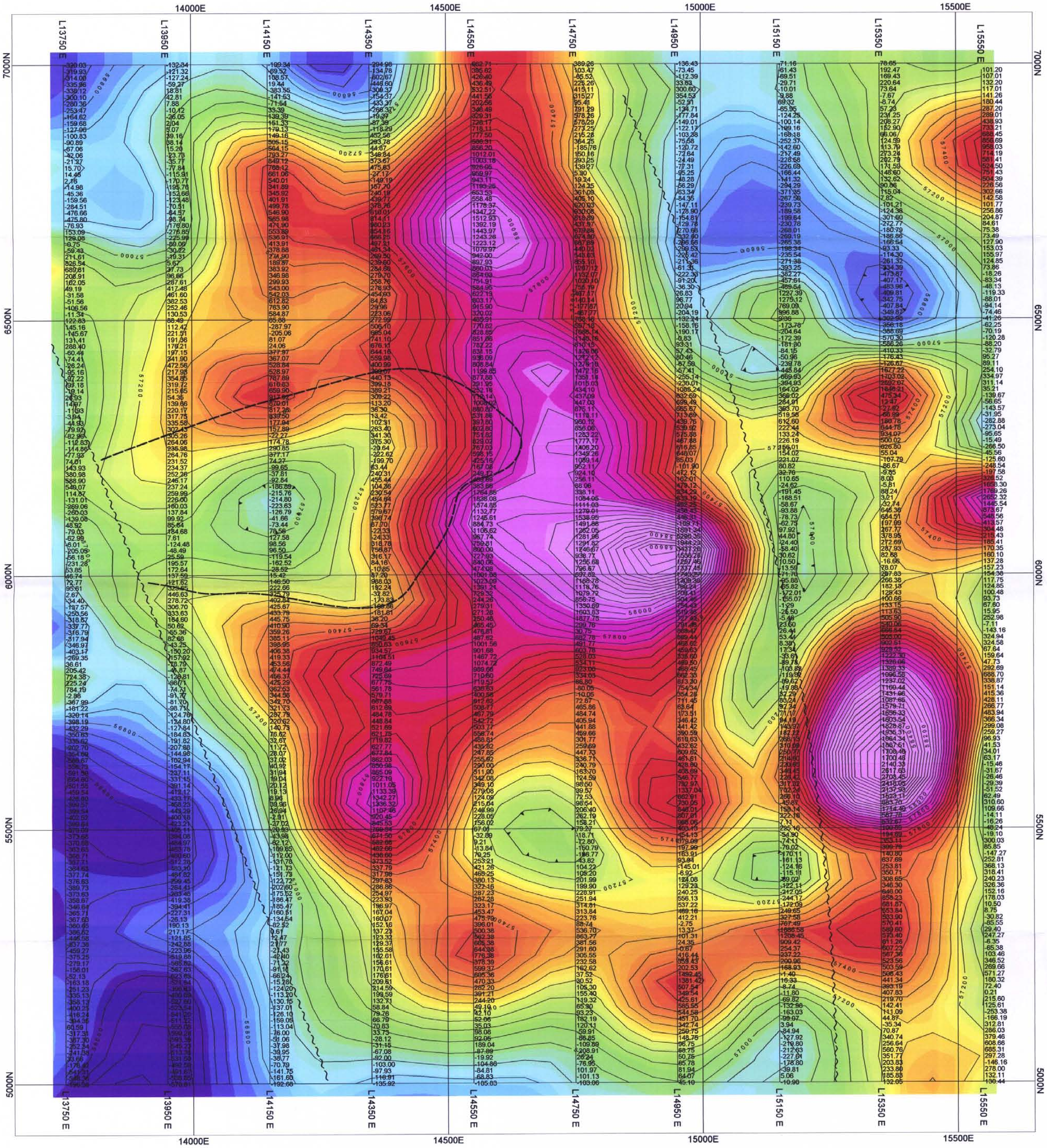


AUMEGA DISCOVERIES LTD.

CONVERTED CLAIMS & GRID LOCATION MAP

POPLAR PROPERTY
HOUSTON AREA, OMENICA M.D.
BCGS 93L006
MAP 3

*PETER E. WALCOTT & ASSOCIATES LIMITED*





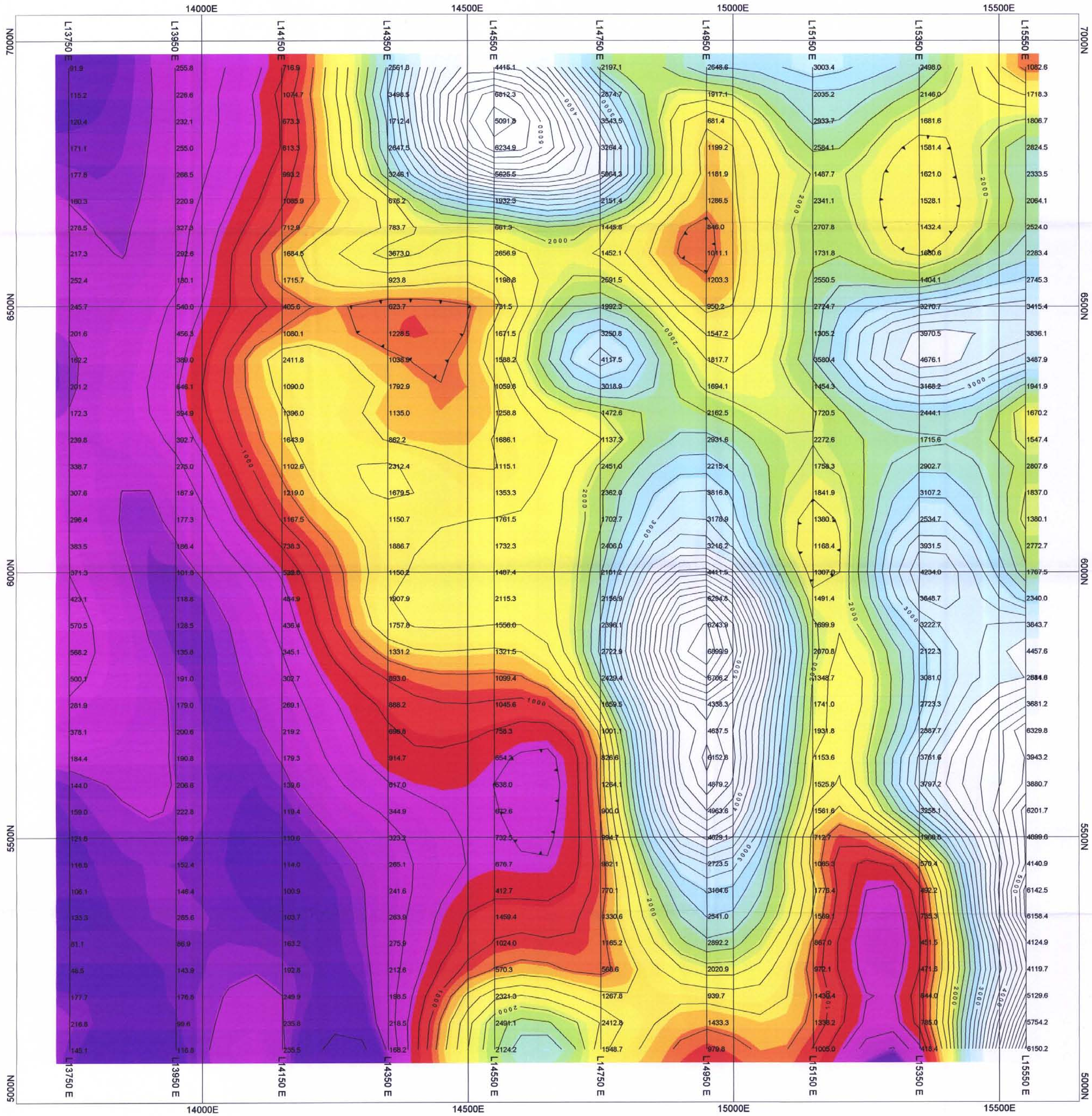

AUMEGA DISCOVERIES LTD.

**MAGNETIC SURVEY**

CONTOURS OF TOTAL FIELD INTENSITY (nT Base 57000nT)

POPLAR PROJECT - SW GRID
HOUSTON AREA, OMINICA M.D.
Date: AUGUST 2005
MAP 4

PETER E. WALCOTT & ASSOCIATES LIMITED




Scale 1:5000

100 0 100 200 300

metres

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

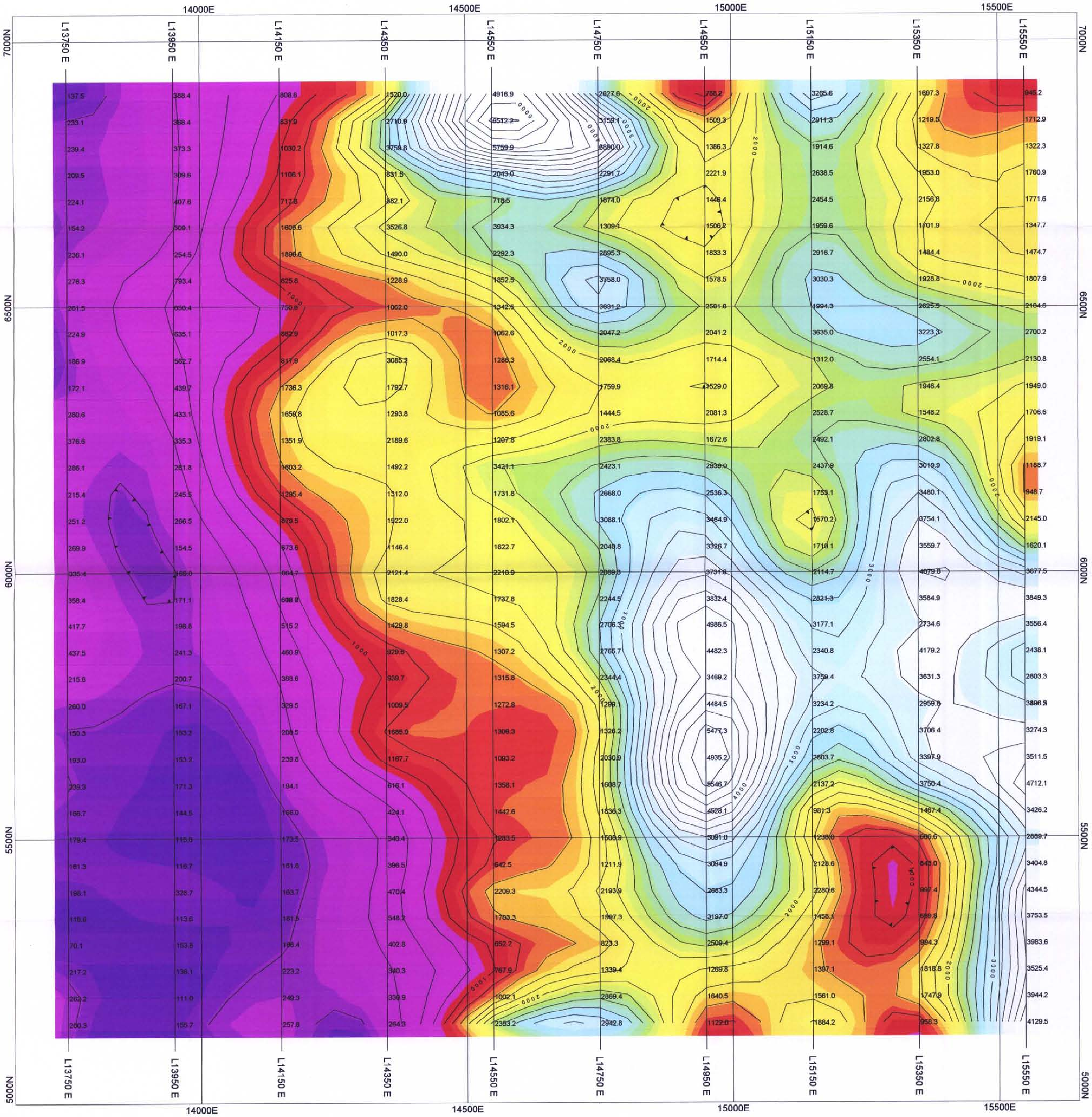
27,838

AUMEGA DISCOVERIES LTD.

**INDUCED POLARIZATION SURVEY**
**CONTOURS OF APPARENT RESISTIVITY N=2 (ohm-m)**

POPLAR PROJECT - SW GRID
HOUSTON AREA, OMINICA M.D.
Date: AUGUST 2005
MAP 5

PETER E. WALCOTT & ASSOCIATES LIMITED



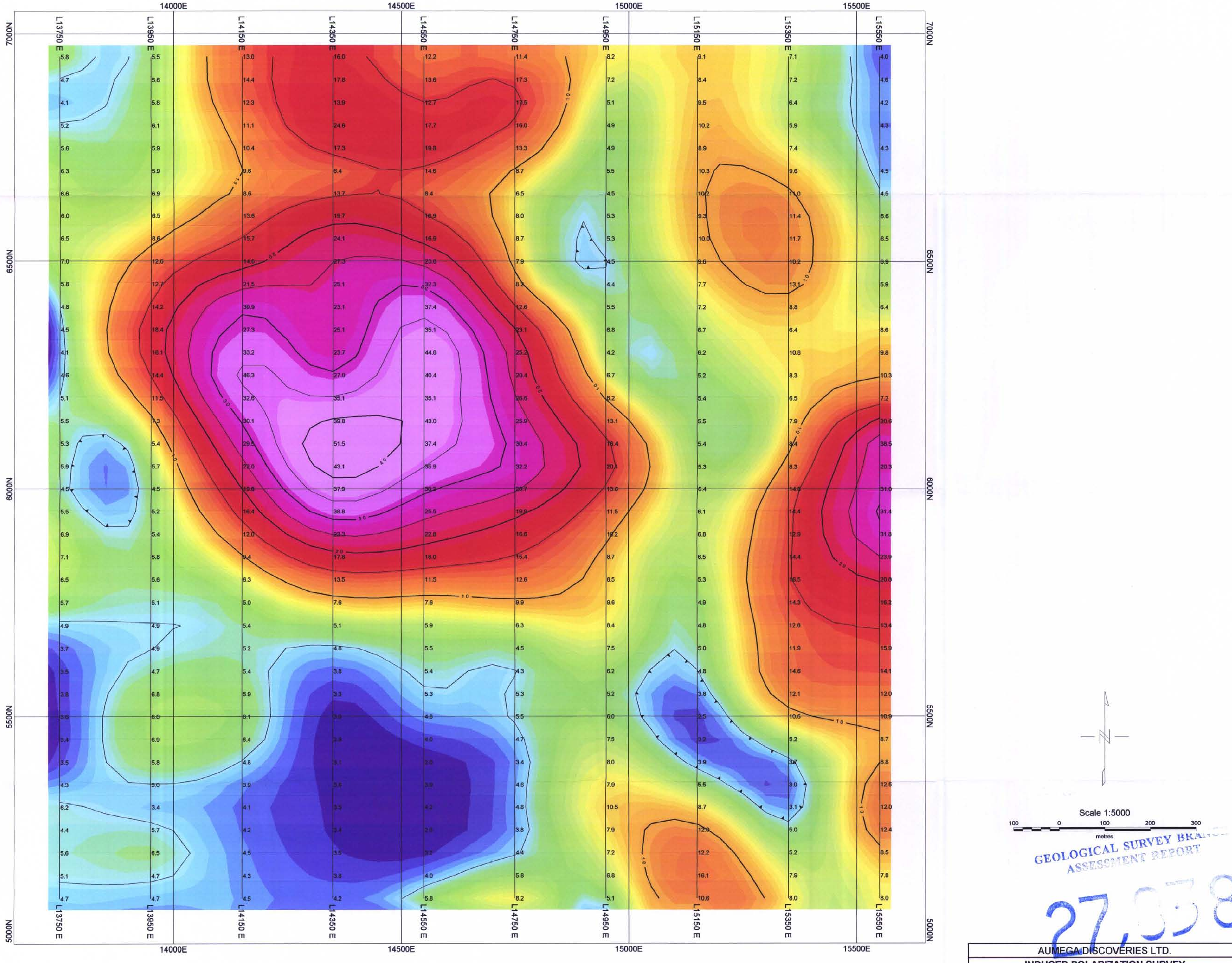



AUMEGA DISCOVERIES LTD.

**INDUCED POLARIZATION SURVEY**
**CONTOURS OF APPARENT RESISTIVITY N=4 (ohm-m)**

**POPLAR PROJECT - SW GRID**
**HOUSTON AREA, OMINICA M.D.**
Date: AUGUST 2005
MAP 6

**PETER E. WALCOTT & ASSOCIATES LIMITED**



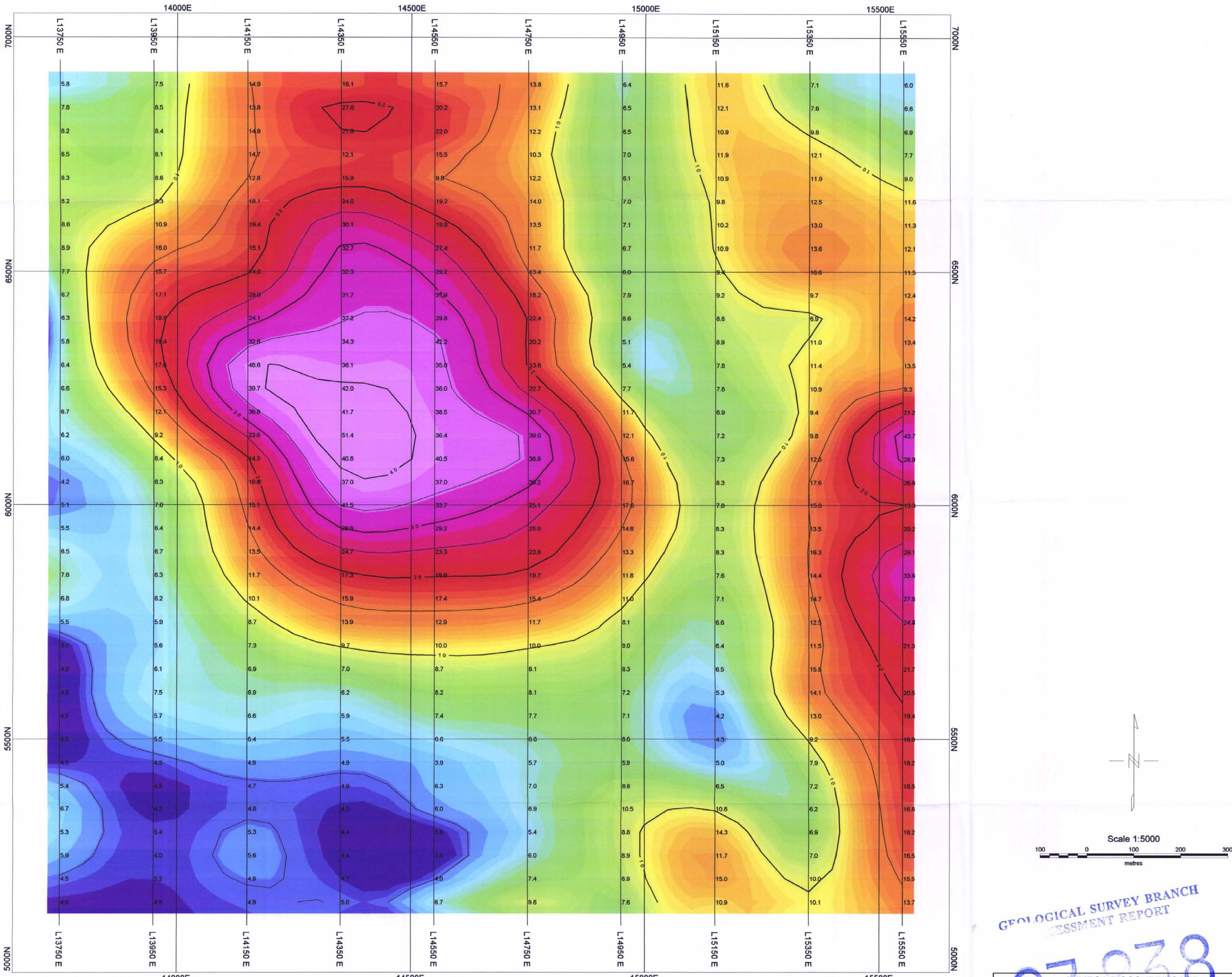



AUMEGA DISCOVERIES LTD.

**INDUCED POLARIZATION SURVEY**
**CONTOURS OF APPARENT CHARGEABILITY N=2 (mV/V)**

**POPLAR PROJECT - SW GRID**
**HOUSTON AREA, OMINICA M.D.**
Date: AUGUST 2005
MAP 7

**PETER E. WALCOTT & ASSOCIATES LIMITED**



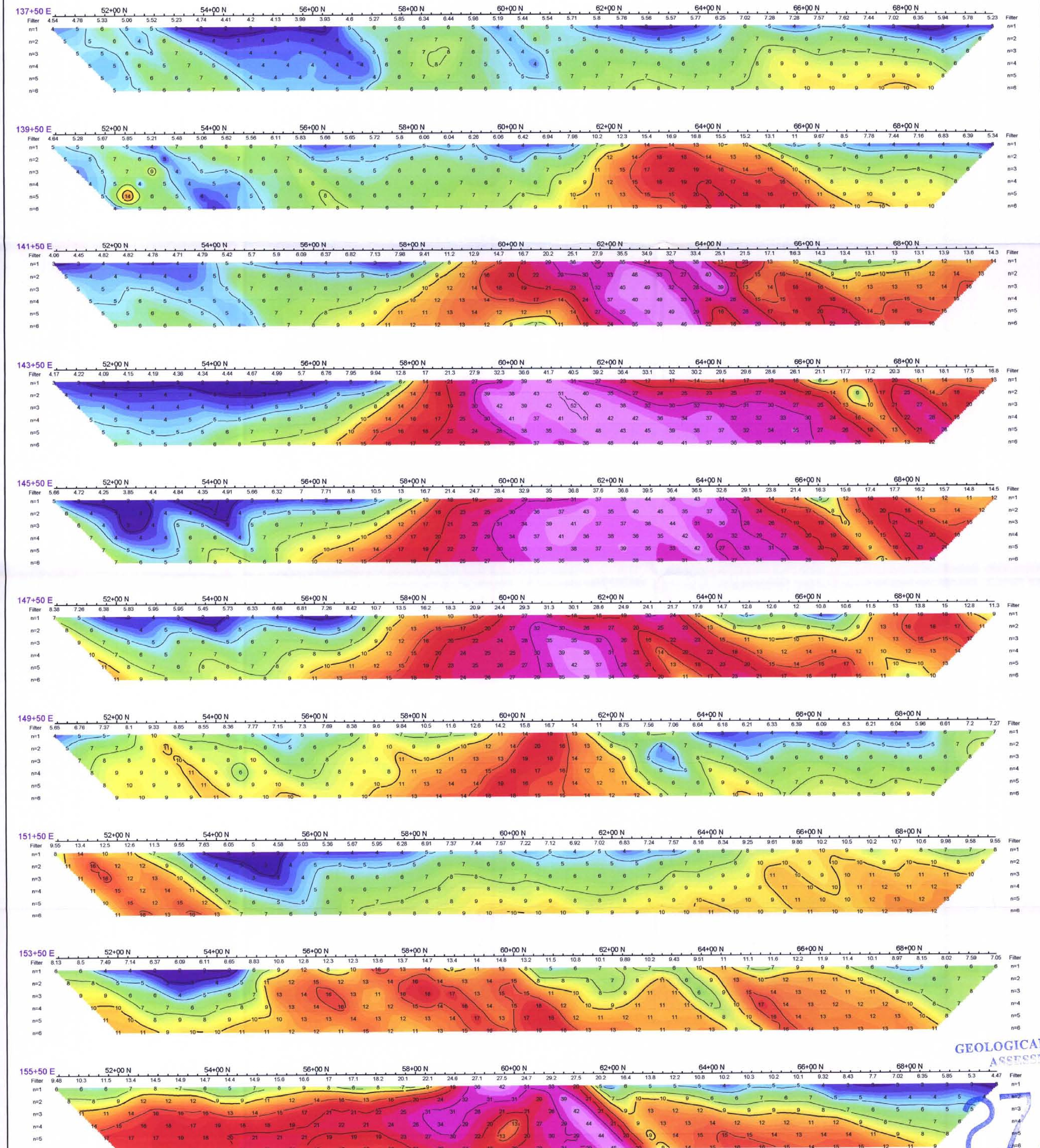



**AUMEGA DISCOVERIES LTD.**

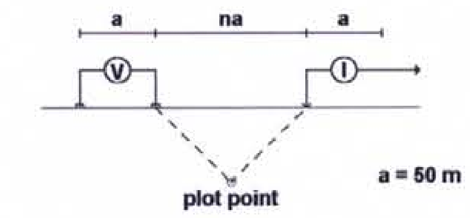
**INDUCED POLARIZATION SURVEY**
**CONTOURS OF APPARENT CHARGEABILITY N=4 (mV/V)**

**POPLAR PROJECT - SW GRID**
**HOUSTON AREA, OMINICA M.D.**
Date: AUGUST 2005
MAP 8

**PETER E. WALCOTT & ASSOCIATES LIMITED**








Instruments: ANDROTEREX 7.5 kw Tx, ELREC 6 Rx

Frequency: 0.125 Hz.
Operators: T.K., M.C.

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

50 0 50 100 150 200 250 300 metres

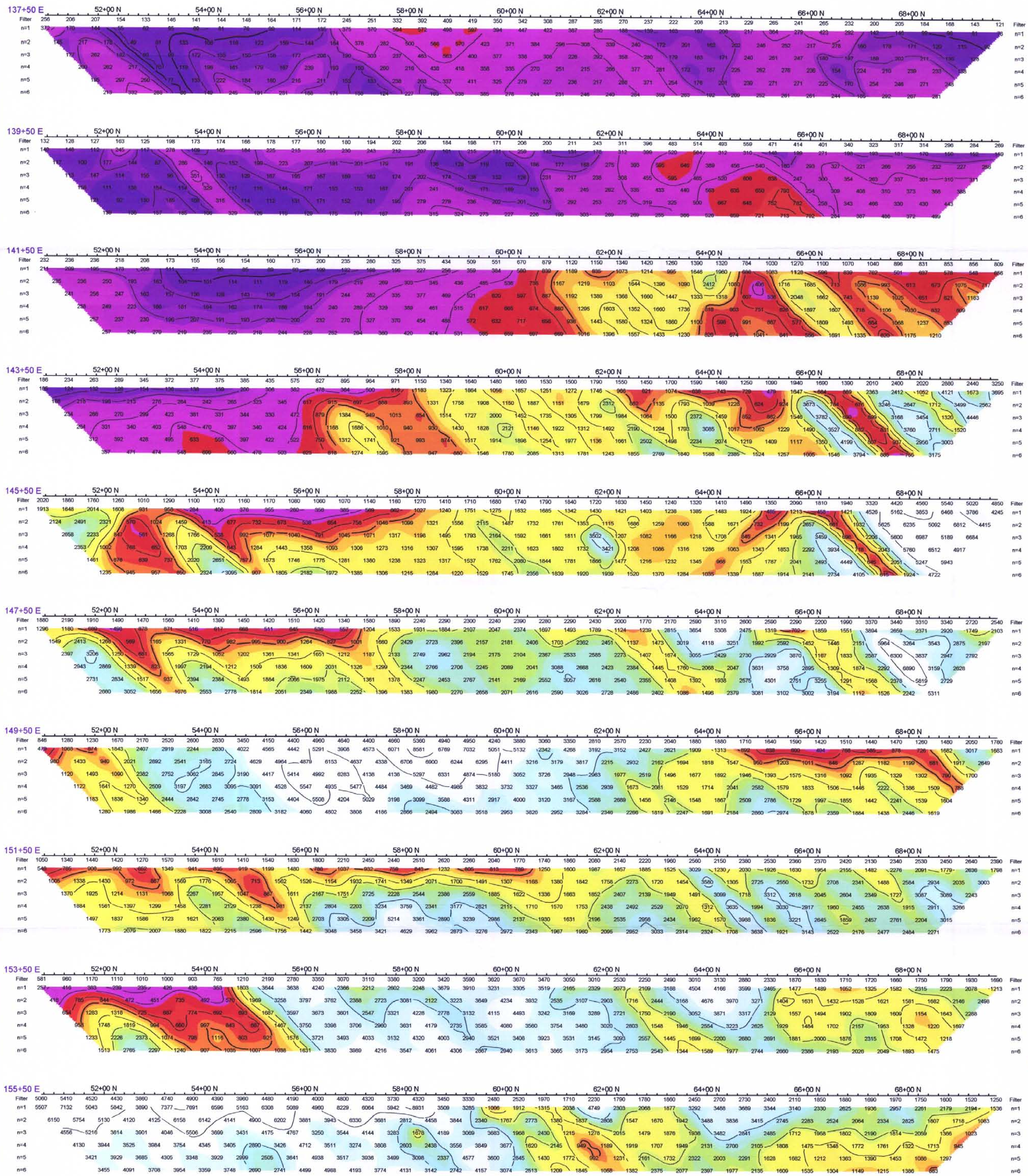


AUMEGA DISCOVERIES LTD.

INDUCED POLARIZATION SURVEY
POPLAR PROJECT - SW GRID
STACKED APPARENT CHARGEABILITY (mV/V)

AUGUST 2005
MAP 9

PETER E. WALCOTT & ASSOCIATES LIMITED




Dipole-Pole Array

a na a

plot point

a = 50 m

Filter

*
**
***
****
*****
******

Instruments: ANDROTEREX 7.5 kw Tx, ELREC 6 Rx

Frequency: 0.125 Hz.
Operators: T.K., M.C.

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

50 0 50 100 150 200 250 300
metres

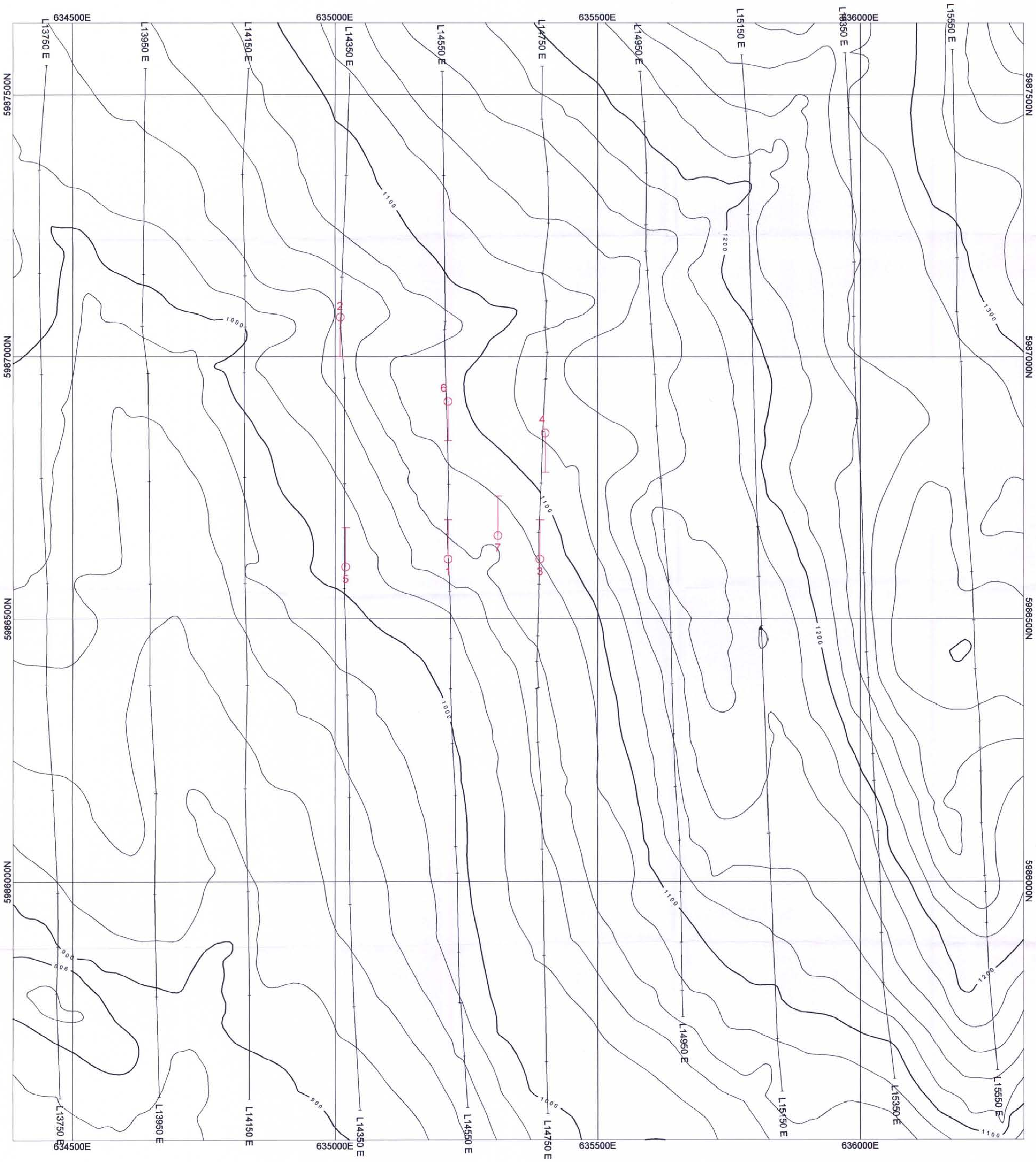


AUMEGA DISCOVERIES LTD.

INDUCED POLARIZATION SURVEY
POPLAR PROJECT - SW GRID
STACKED APPARENT RESISTIVITY (OHM-M)

AUGUST 2005
MAP 10

PETER E. WALCOTT & ASSOCIATES LIMITED




Scale 1:5000

100 0 100 200 300

metres

NAD83 / UTM zone 9N

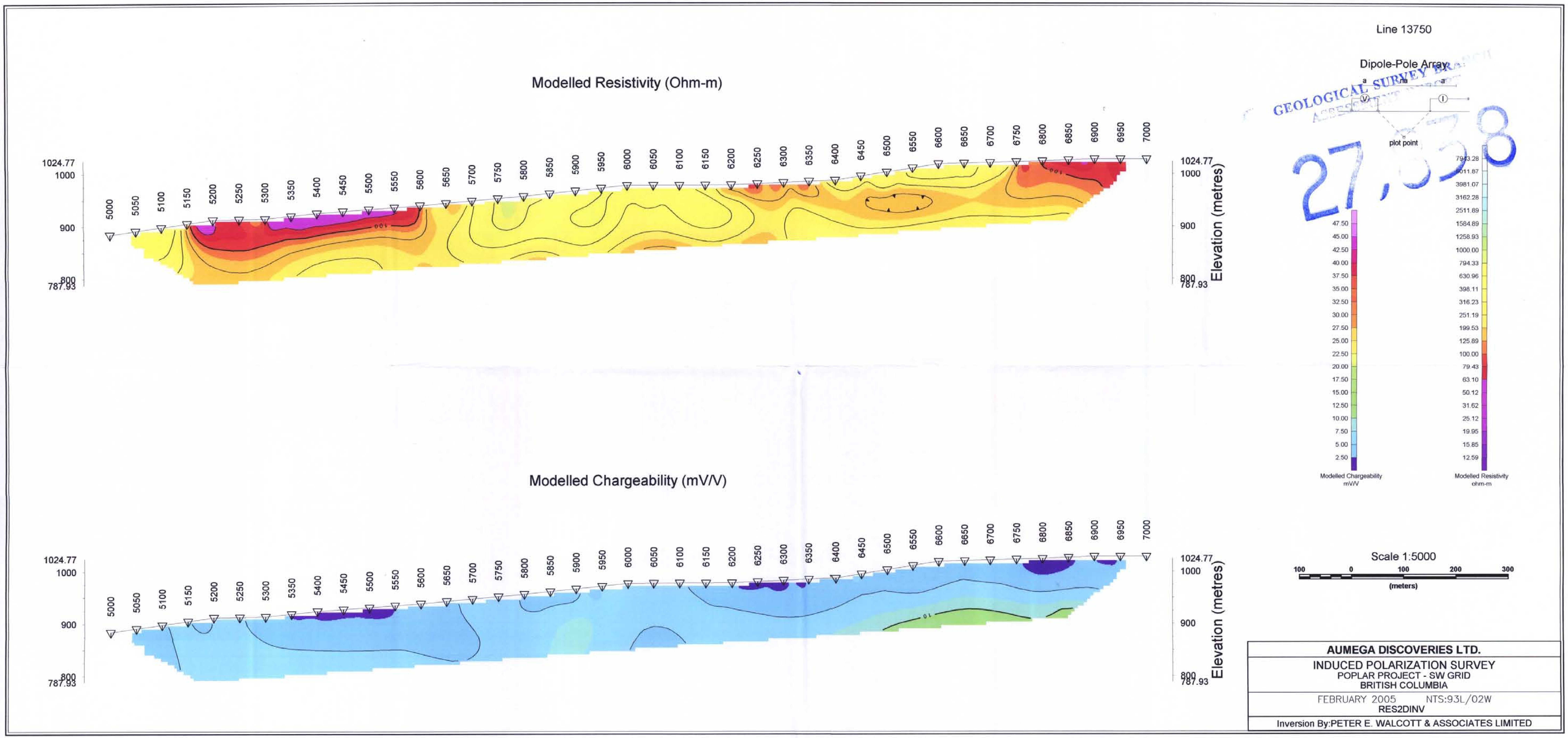


AUMEGA DISCOVERIES LTD.

**GRID & SURFACE TOPOGRAPHY**

**POPLAR PROJECT - SW GRID**
**HOUSTON AREA, OMINICA M.D.**
Date: AUGUST 2005
MAP 11

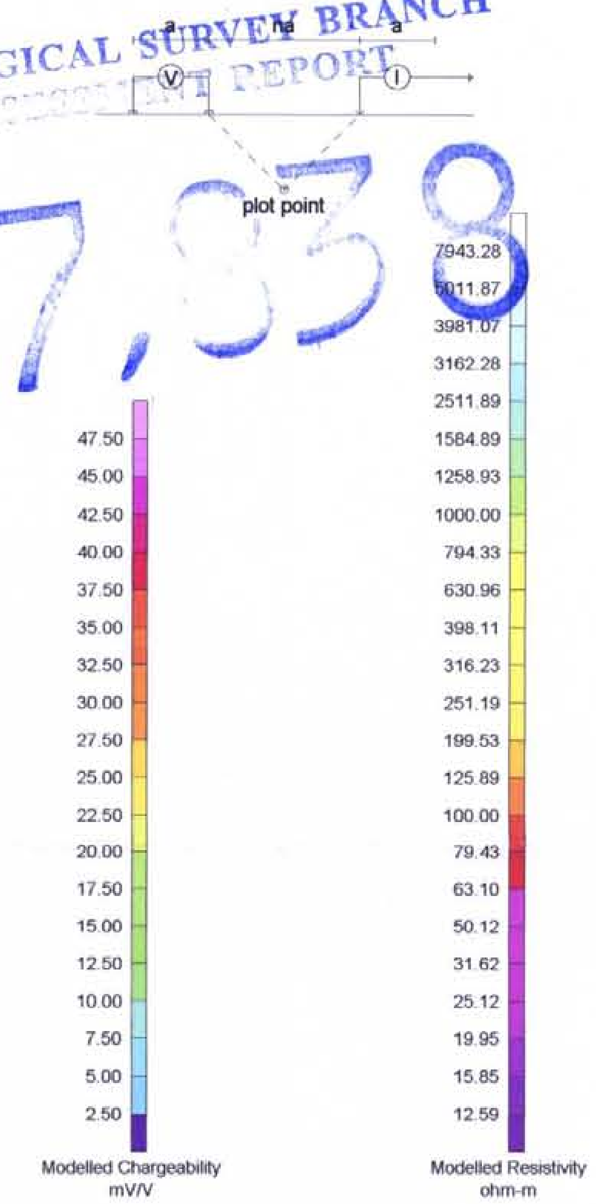
**PETER E. WALCOTT & ASSOCIATES LIMITED**



Line 13750
Dipole-Pole Array
plot point
Modelled Resistivity (Ohm-m)
Modelled Chargeability (mV/V)
Elevation (metres)
1024.77
1000
900
800
787.93
5000 5050 5100 5150 5200 5250 5300 5350 5400 5450 5500 5550 5600 5650 5700 5750 5800 5850 5900 5950 6000 6050 6100 6150 6200 6250 6300 6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000
47.50 45.00 42.50 40.00 37.50 35.00 32.50 30.00 27.50 25.00 22.50 20.00 17.50 15.00 12.50 10.00 7.50 5.00 2.50
Modelled Chargeability mV/V
7943.28 5011.87 3981.07 3162.28 2511.89 1584.89 1258.93 1000.00 794.33 630.96 398.11 316.23 251.19 199.53 125.89 100.00 79.43 63.10 50.12 31.62 25.12 19.95 15.85 12.59
Modelled Resistivity ohm-m
Scale 1:5000
100 0 100 200 300
(meters)
AUMEGA DISCOVERIES LTD.
INDUCED POLARIZATION SURVEY
POPLAR PROJECT - SW GRID
BRITISH COLUMBIA
FEBRUARY 2005 NTS:93L/02W
RES2DINV
Inversion By:PETER E. WALCOTT & ASSOCIATES LIMITED

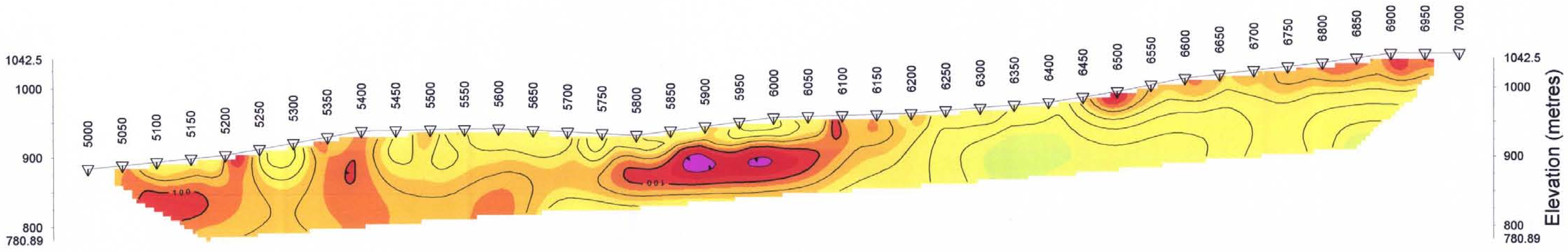
Line 13950

Dipole-Pole Array

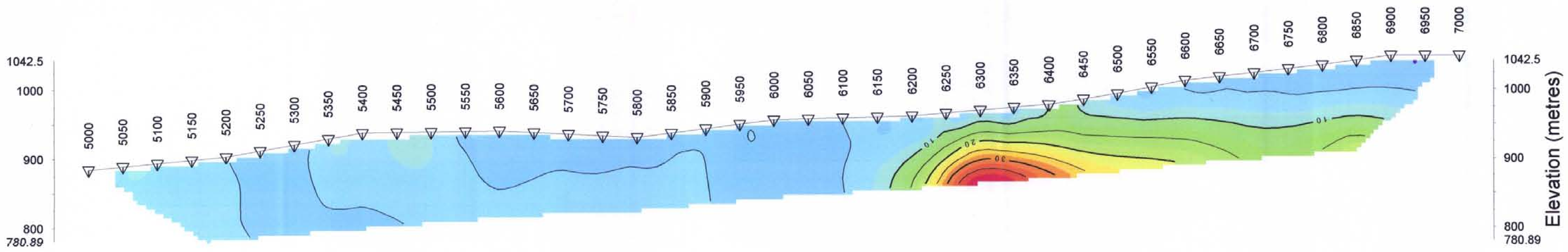





Modelled Resistivity (Ohm-m)




Modelled Chargeability (mV/V)




Scale 1:5000

100 0 100 200 300

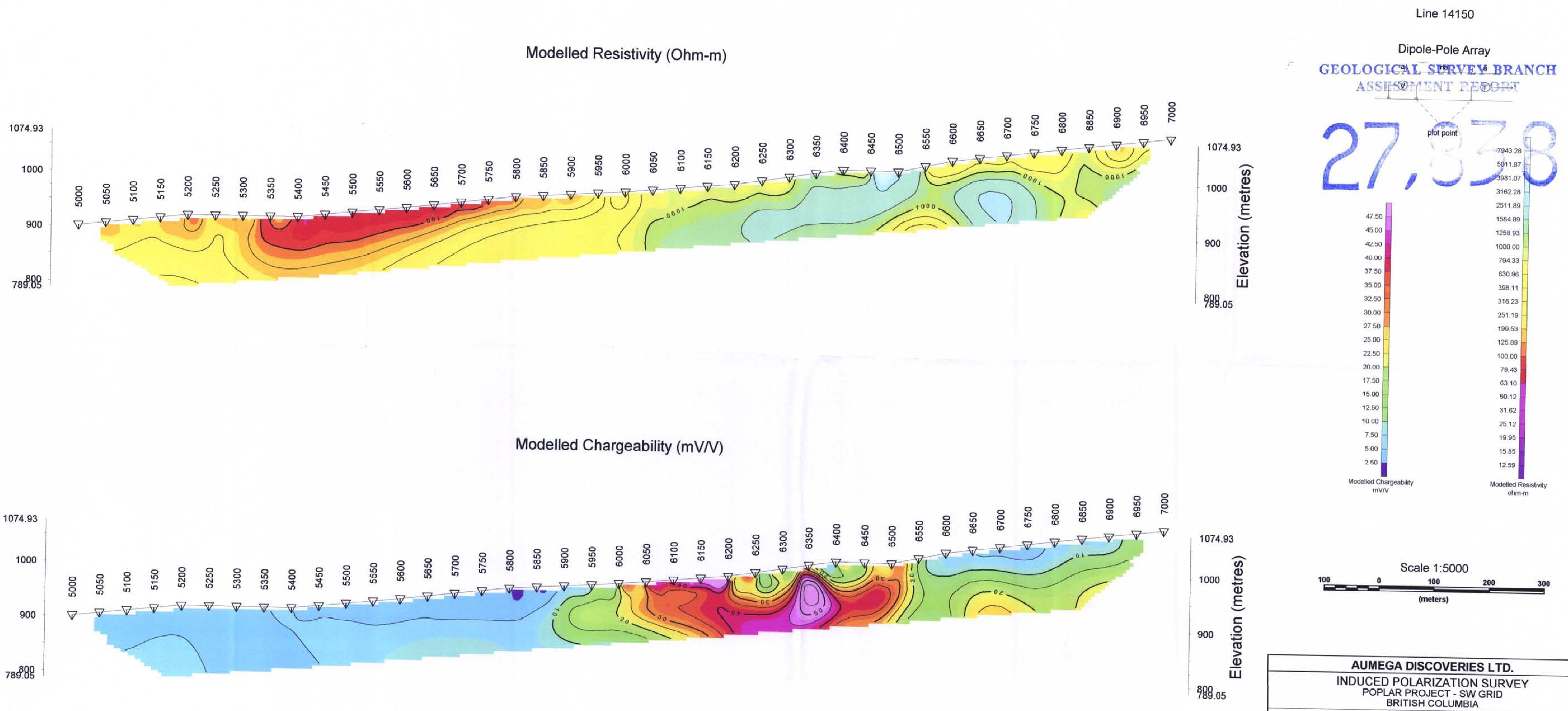
(meters)

**AUMEGA DISCOVERIES LTD.**

INDUCED POLARIZATION SURVEY
POPLAR PROJECT - SW GRID
BRITISH COLUMBIA

FEBRUARY 2005 NTS:93L/02W
RES2DINV

Inversion By:PETER E. WALCOTT & ASSOCIATES LIMITED



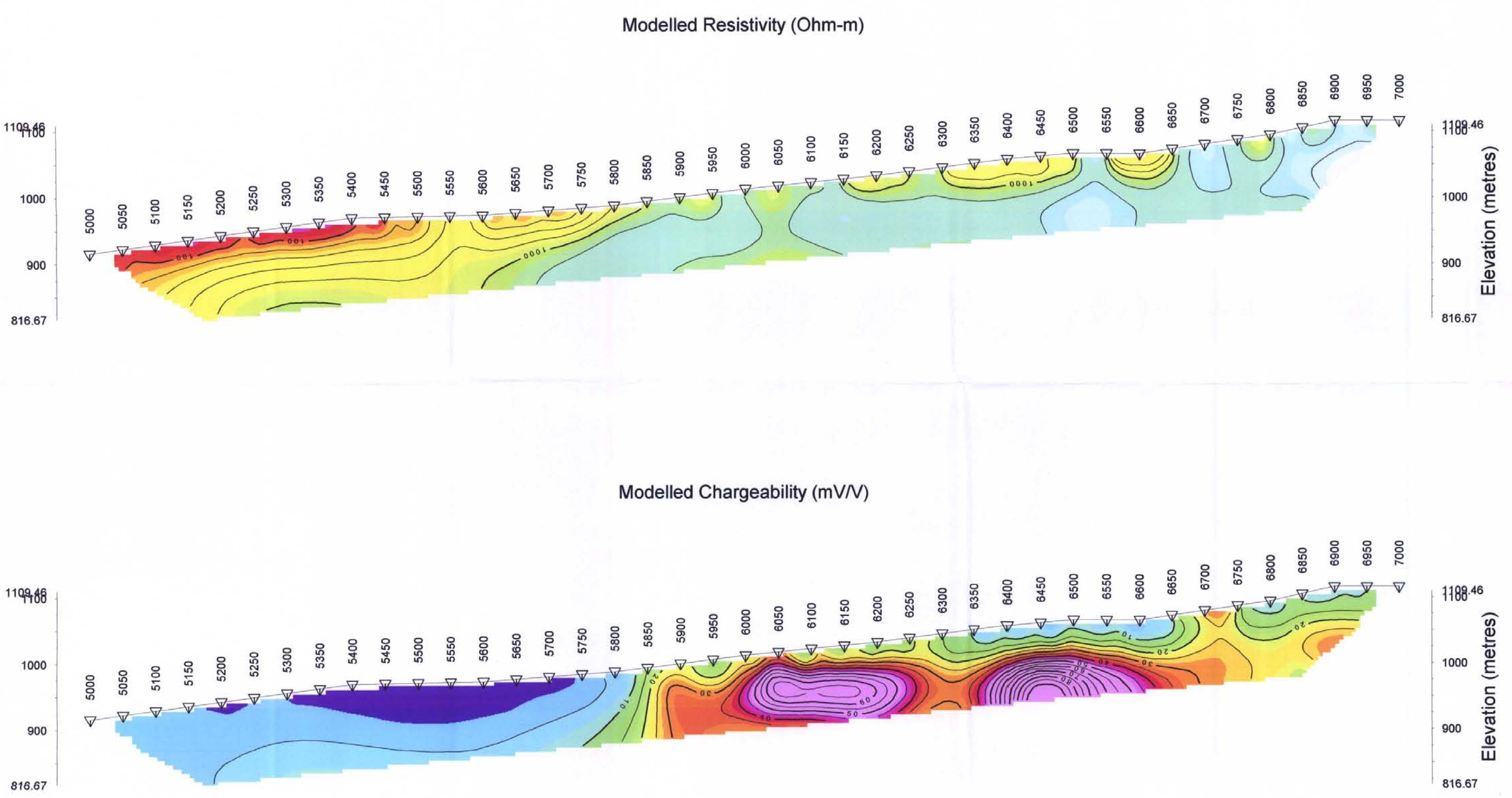


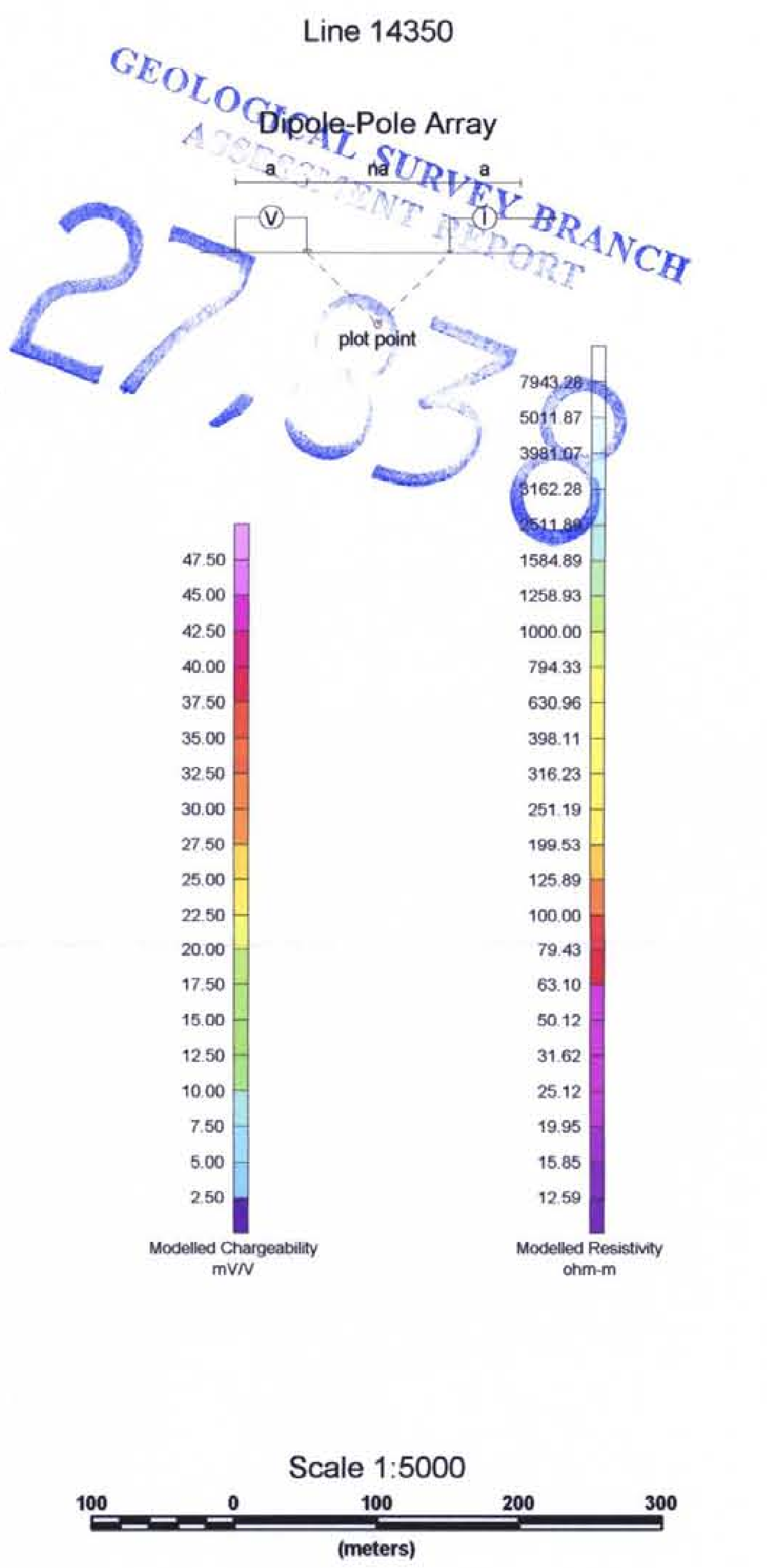

**AUMEGA DISCOVERIES LTD.**

INDUCED POLARIZATION SURVEY
POPLAR PROJECT - SW GRID
BRITISH COLUMBIA

FEBRUARY 2005 NTS:93L/02W
RES2DINV

Inversion By:PETER E. WALCOTT & ASSOCIATES LIMITED

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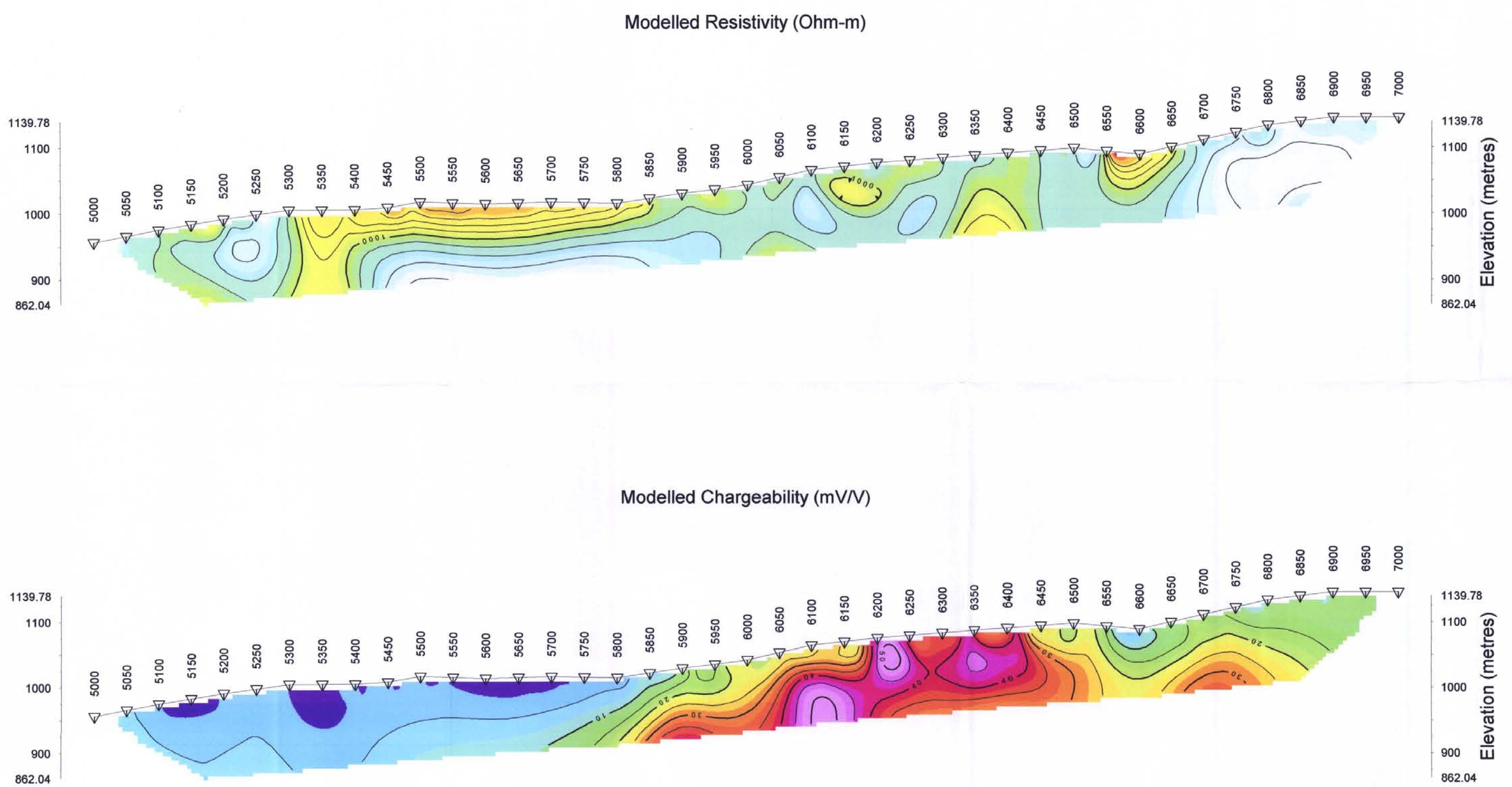
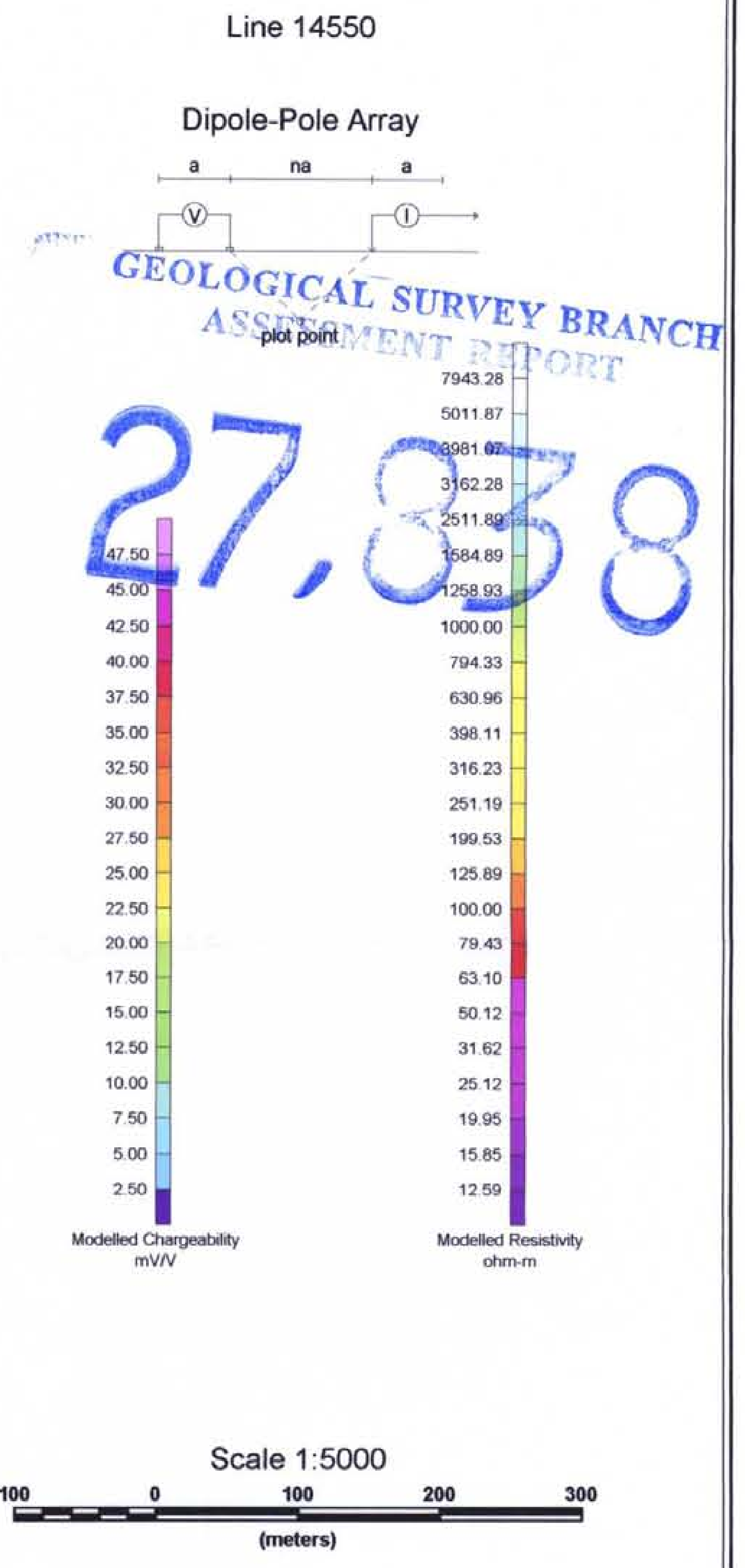
INDUCED POLARIZATION SURVEY
POPLAR PROJECT - SW GRID
BRITISH COLUMBIA

FEBRUARY 2005 NTS:93L/02W
RES2DINV

Inversion By:PETER E. WALCOTT & ASSOCIATES LIMITED



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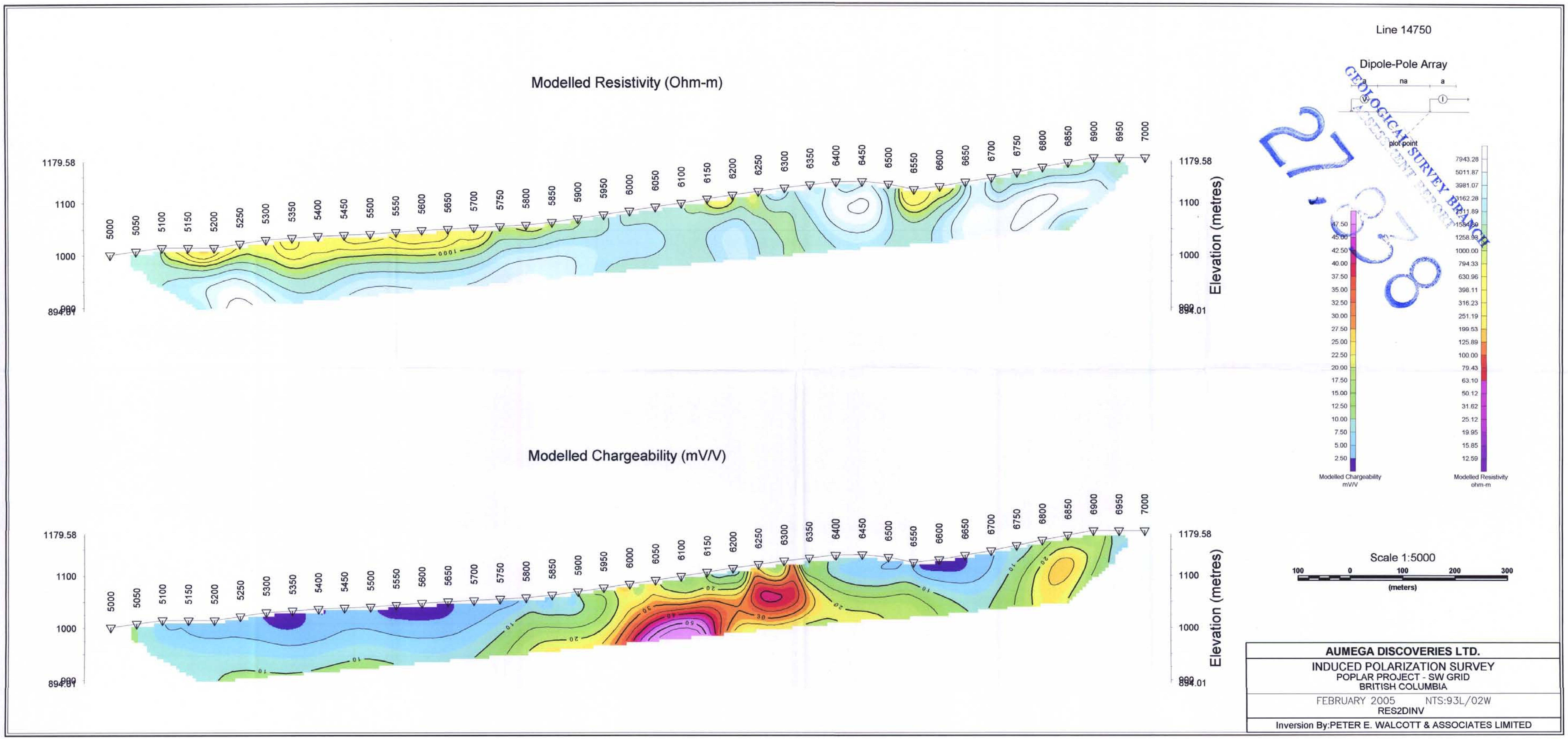
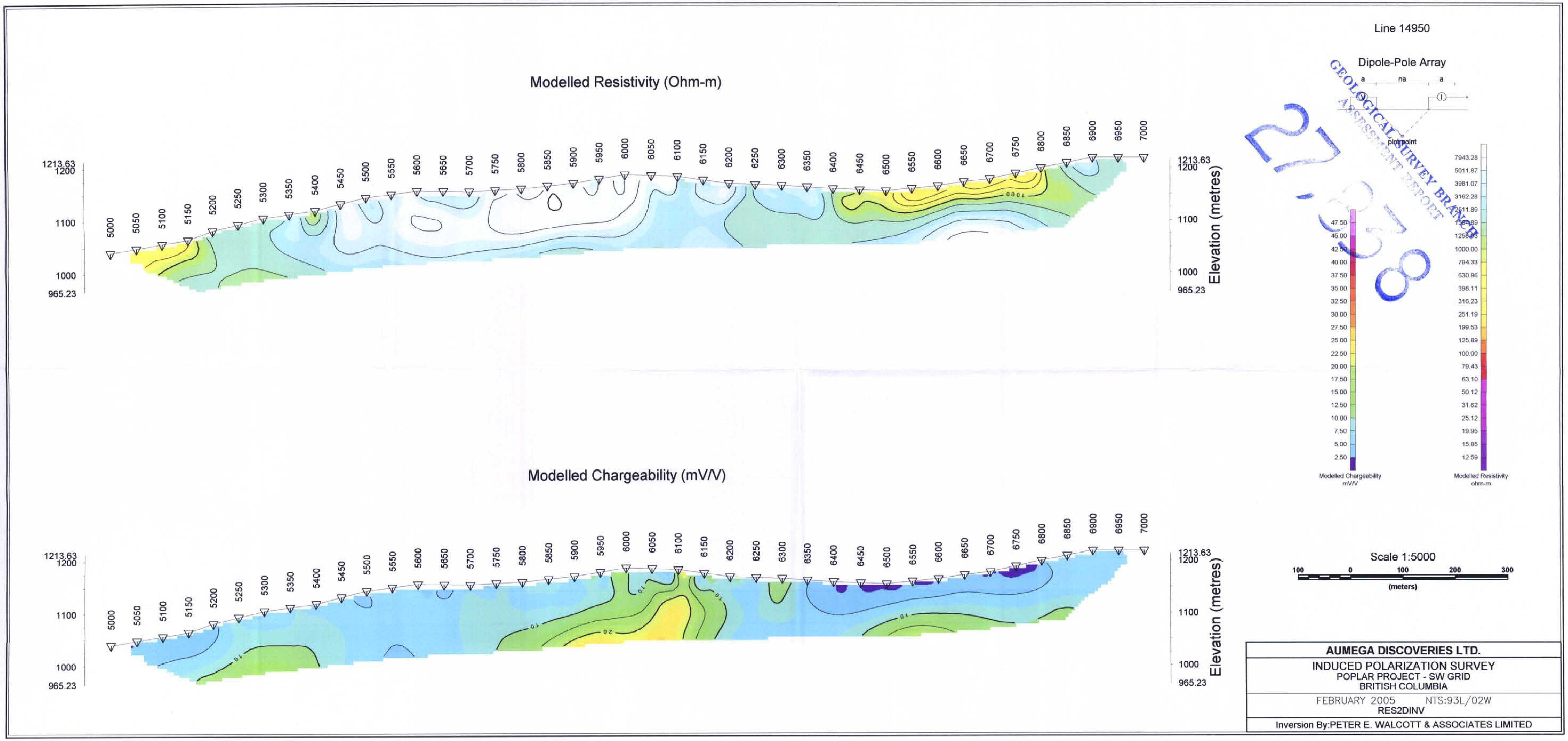
INDUCED POLARIZATION SURVEY
POPLAR PROJECT - SW GRID
BRITISH COLUMBIA

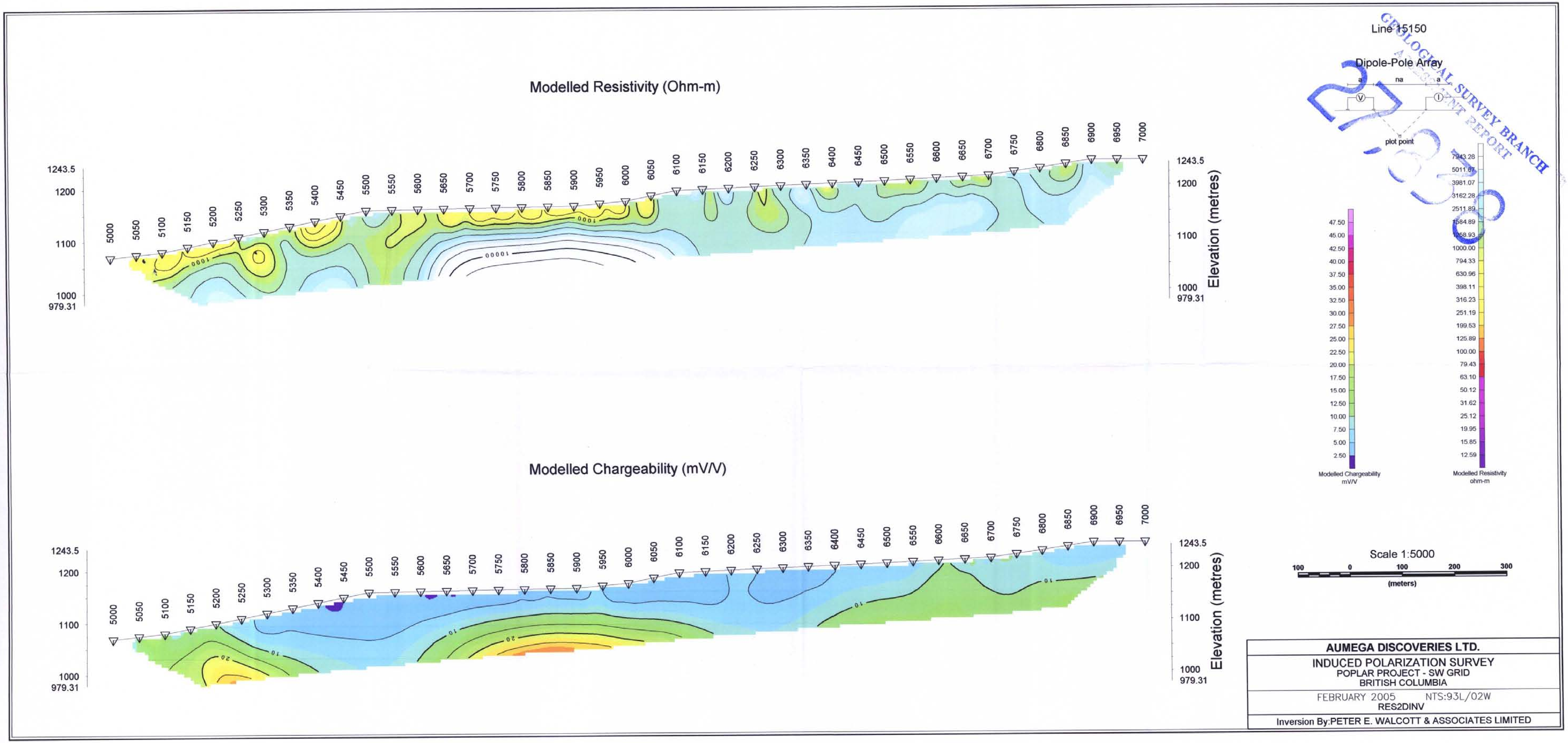
FEBRUARY 2005 NTS:93L/02W
RES2DINV

Inversion By:PETER E. WALCOTT & ASSOCIATES LIMITED

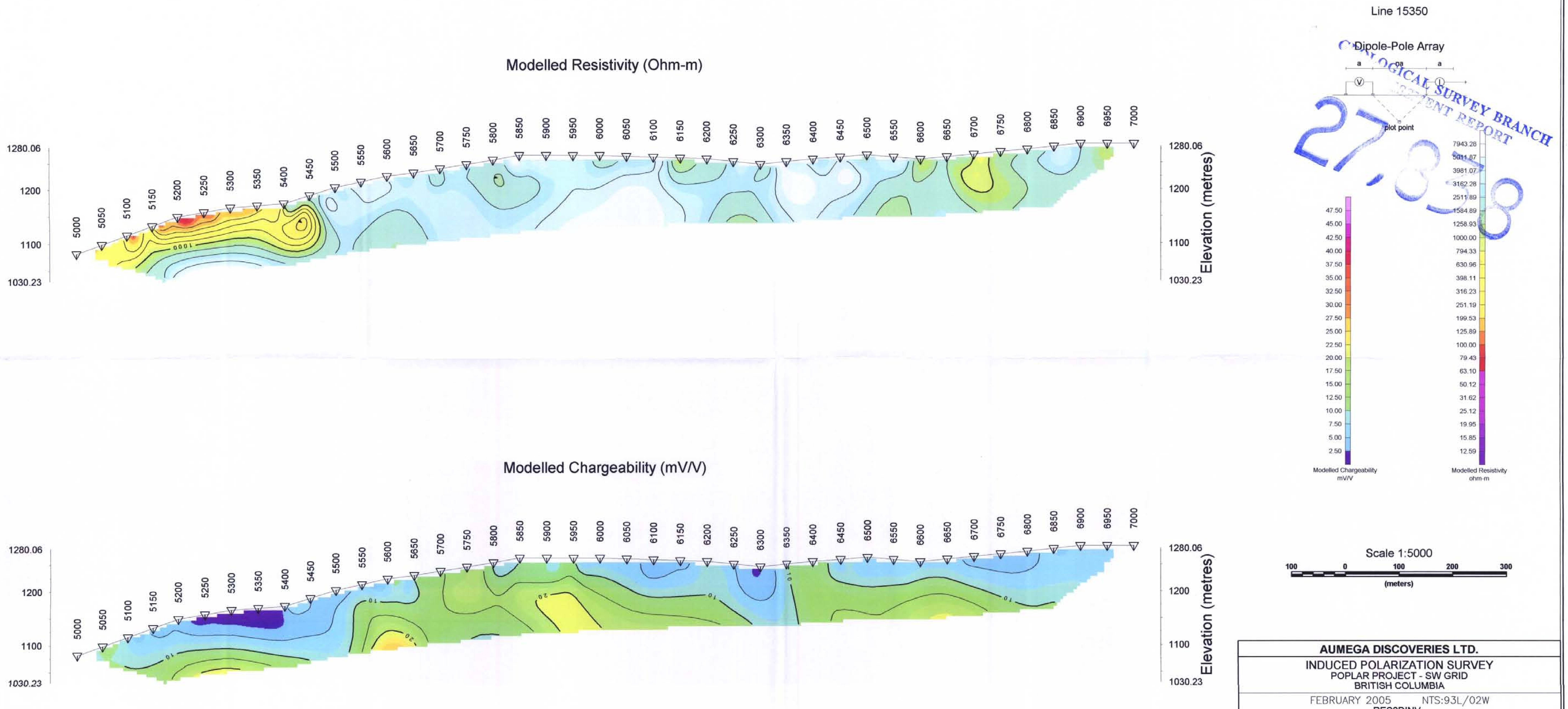


Line 14750
Dipole-Pole Array
a
na
a
plot point
Modelled Resistivity (Ohm-m)
Modelled Chargeability (mV/V)
1179.58
1100
1000
894.01
Elevation (metres)
5000
5050
5100
5150
5200
5250
5300
5350
5400
5450
5500
5550
5600
5650
5700
5750
5800
5850
5900
5950
6000
6050
6100
6150
6200
6250
6300
6350
6400
6450
6500
6550
6600
6650
6700
6750
6800
6850
6900
6950
7000
Modelled Chargeability mV/V
47.50
45.00
42.50
40.00
37.50
35.00
32.50
30.00
27.50
25.00
22.50
20.00
17.50
15.00
12.50
10.00
7.50
5.00
2.50
Modelled Resistivity ohm-m
7943.28
5011.87
3981.07
3162.28
1000.00
794.33
630.96
398.11
316.23
251.19
199.53
125.89
100.00
79.43
63.10
50.12
31.62
25.12
19.95
15.85
12.59
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
Scale 1:5000
100
0
100
200
300
(meters)
AUMEGA DISCOVERIES LTD.
INDUCED POLARIZATION SURVEY
POPLAR PROJECT - SW GRID
BRITISH COLUMBIA
FEBRUARY 2005
NTS:93L/02W
RES2DINV
Inversion By:PETER E. WALCOTT & ASSOCIATES LIMITED


Line 14950
Dipole-Pole Array
a
na
a
plot point
Modelled Resistivity (Ohm-m)
Modelled Chargeability (mV/V)
5000 5050 5100 5150 5200 5250 5300 5350 5400 5450 5500 5550 5600 5650 5700 5750 5800 5850 5900 5950 6000 6050 6100 6150 6200 6250 6300 6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000
1213.63
1200
1100
1000
965.23
Elevation (metres)
1000
10
20
47.50 45.00 42.50 40.00 37.50 35.00 32.50 30.00 27.50 25.00 22.50 20.00 17.50 15.00 12.50 10.00 7.50 5.00 2.50
Modelled Chargeability mV/V
7943.28 5011.87 3981.07 3162.28 2511.89 1584.89 1258.93 1000.00 794.33 630.96 398.11 316.23 251.19 199.53 125.89 100.00 79.43 63.10 50.12 31.62 25.12 19.95 15.85 12.59
Modelled Resistivity ohm-m
Scale 1:5000
100 0 100 200 300
(meters)
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
AUMEGA DISCOVERIES LTD.
INDUCED POLARIZATION SURVEY
POPLAR PROJECT - SW GRID
BRITISH COLUMBIA
FEBRUARY 2005 NTS:93L/02W
RES2DINV
Inversion By:PETER E. WALCOTT & ASSOCIATES LIMITED



Line 15150
Dipole-Pole Array
a
na
a
V
I
plot point
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
Modelled Resistivity (Ohm-m)
Modelled Chargeability (mV/V)
5000
5050
5100
5150
5200
5250
5300
5350
5400
5450
5500
5550
5600
5650
5700
5750
5800
5850
5900
5950
6000
6050
6100
6150
6200
6250
6300
6350
6400
6450
6500
6550
6600
6650
6700
6750
6800
6850
6900
6950
7000
1243.5
1200
1100
1000
979.31
Elevation (metres)
1000
10000
10
20
47.50
45.00
42.50
40.00
37.50
35.00
32.50
30.00
27.50
25.00
22.50
20.00
17.50
15.00
12.50
10.00
7.50
5.00
2.50
Modelled Chargeability
mV/V
7943.28
5011.87
3981.07
3162.28
2511.89
1584.89
1258.93
1000.00
794.33
630.96
398.11
316.23
251.19
199.53
125.89
100.00
79.43
63.10
50.12
31.62
25.12
19.95
15.85
12.59
Modelled Resistivity
ohm-m
Scale 1:5000
100
0
100
200
300
(meters)
AUMEGA DISCOVERIES LTD.
INDUCED POLARIZATION SURVEY
POPLAR PROJECT - SW GRID
BRITISH COLUMBIA
FEBRUARY 2005
NTS:93L/02W
RES2DINV
Inversion By:PETER E. WALCOTT & ASSOCIATES LIMITED



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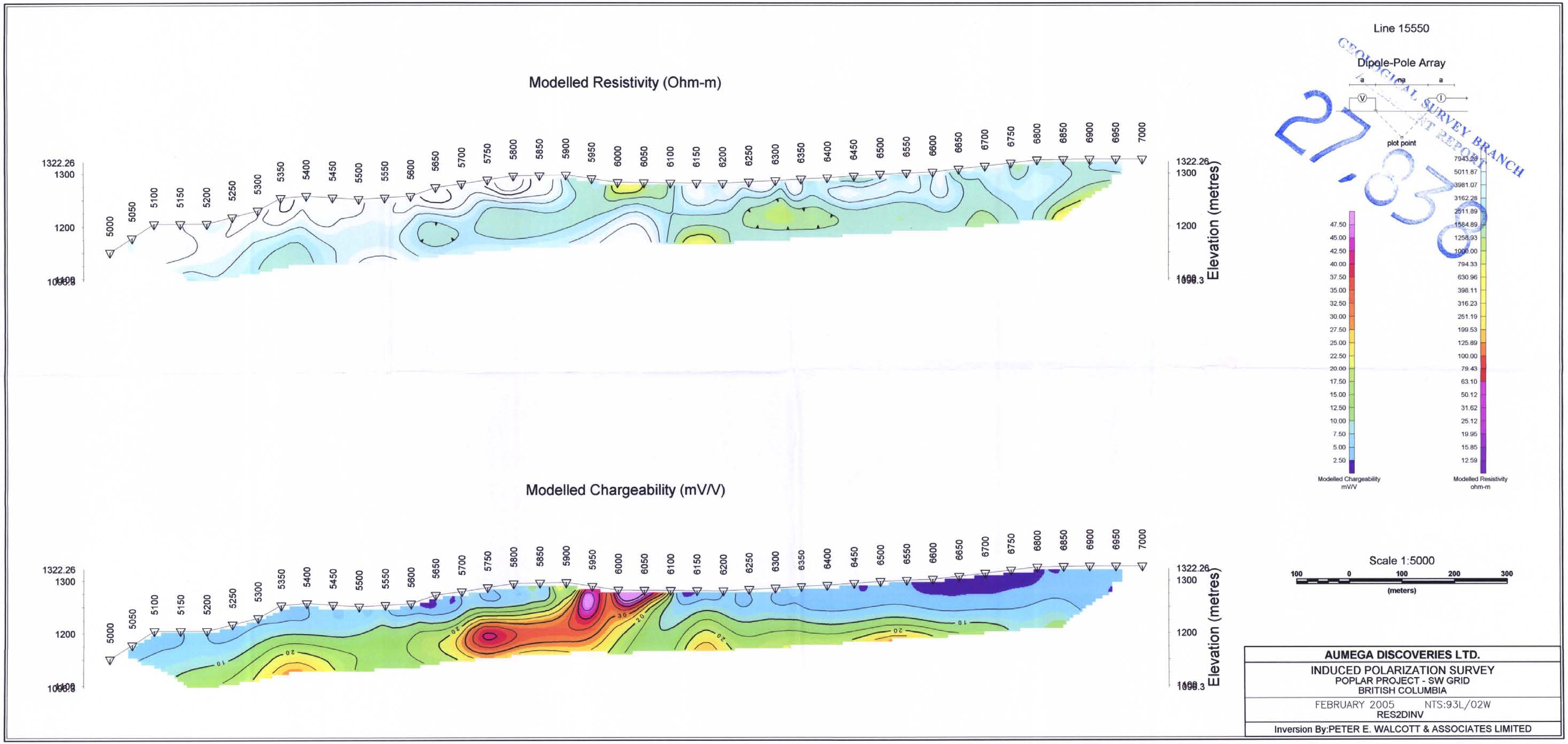
INDUCED POLARIZATION SURVEY
POPLAR PROJECT - SW GRID
BRITISH COLUMBIA

FEBRUARY 2005 NTS:93L/02W
RES2DINV

Inversion By:PETER E. WALCOTT & ASSOCIATES LIMITED


Line 15550
Dipole-Pole Array
a
na
a
plot point
Modelled Resistivity (Ohm-m)
Modelled Chargeability (mV/V)
Elevation (metres)
1322.26
1300
1200
5000
5050
5100
5150
5200
5250
5300
5350
5400
5450
5500
5550
5600
5650
5700
5750
5800
5850
5900
5950
6000
6050
6100
6150
6200
6250
6300
6350
6400
6450
6500
6550
6600
6650
6700
6750
6800
6850
6900
6950
7000
Modelled Chargeability mV/V
Modelled Resistivity ohm-m
Scale 1:5000
100
0
100
200
300
(meters)
AUMEGA DISCOVERIES LTD.
INDUCED POLARIZATION SURVEY
POPLAR PROJECT - SW GRID
BRITISH COLUMBIA
FEBRUARY 2005
NTS:93L/02W
RES2DINV
Inversion By:PETER E. WALCOTT & ASSOCIATES LIMITED