

Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Induced Polarization Surveying

TOTAL COST: CAD\$344,098.00

AUTHOR(S): Alexander Walcott, Peter Walcott, SIGNATURE(S): _____

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): deemed NOW 1640915-201902, August 25, 2019 YEAR OF WORK: 2019

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): statement of work - event # 5808925

PROPERTY NAME: Mount Milligan Minesite - Mine #1300188 / MAX

CLAIM NAME(S) (on which the work was done): 532537, 530480, 532541, 532538, 532543, 532540, 532542

COMMODITIES SOUGHT: Gold, Copper, Silver

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 093N/ 194

MINING DIVISION: Omineca NTS/BCGS: 093K, 093O, 093J, 093K UTM Zone 10

LATITUDE: 55 ° 06 ' 59 " LONGITUDE: 123 ° 56 ' 32 " (at centre of work)

OWNER(S):
1) Thompson Creek Metals Company Inc. 2) JAMA Holdings Inc.

MAILING ADDRESS:
299 Victoria Street, Suite 200
Prince George, BC V2L 5B8
1287 McNair Street
North Vancouver, BC V7K 0A1

OPERATOR(S) [who paid for the work]:
1) Thompson Creek Metals Company Inc. 2)

MAILING ADDRESS:
299 Victoria Street, Suite 200
Prince George, BC V2L 5B8

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Commodities: Gold, Copper Significant Minerals: Pyrite, Magnetite, Chalcopyrite, Sphalerite, Bornite

Alteration: K-Feldspar, Biotite, Actinolite, Epidote, Calcite, Chlorite, Albite, Pyrite Alteration Type: Potassic, Propylitic,

Classification: Porphyry, Hydrothermal, Epigenetic Type: L03: Alkalic Porphyry Cu-Au Carbonate

Shape: Regular Modifier: Fractured Dimension: 1300x950x244 metres

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: _____

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization	40.0 line Km.	532537, 530480, 532541, 532538, 532539	\$344,098.00
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	CAD\$344,098.00

A REPORT

ON

INDUCED POLARIZATION SURVEYING

**Max-K2 Property
Fort St. James Area,
Omineca M.D. , B.C.
54° 56'N, 124° 02' W
NTS: 93K/16**

CLAIMS:

530480,532537,532538,532540-43

Survey Dates: September 19th- November 10th, 2019

FOR

THOMPSON CREEK METALS INC.

Prince George, B.C.

BY

**ALEXANDER WALCOTT, B.Sc.
PETER E. WALCOTT & ASSOCIATES LIMITED**

Vancouver, B.C.

MARCH 2020

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APPENDIX I

Cost of Survey
 Personnel Employed on Survey
 Certification

ACCOMPANYING MAPS

MAP POCKET

Claim and Line Location Map	Scale 1: 10,000
IP Pseudo-Sections Line 6000,6400,6800,7200,7600,8000,8400,8800	Scale 1: 10,000
2D DC/IP Inversions Line 6000,6400,6800,7200,7600,8000,8400,8800	Scale 1: 10,000
3D DC/IP Inversions Sections - 3D Modelled Chargeability/Resistivity Line 6000,6400,6800,7200,7600,8000,8400,8800	Scale 1: 10,000
Level Plans -3D Modelled Chargeability/Resistivity Line 6000,6400,6800,7200,7600,8000,8400,8800	Scale 1: 10,000

INTRODUCTION.

Between September 19th and November 10th, 2019, Peter E. Walcott & Associates Limited undertook line establishment and induced polarization surveying over portions of the Max property for Thompson Creek Metals Inc.

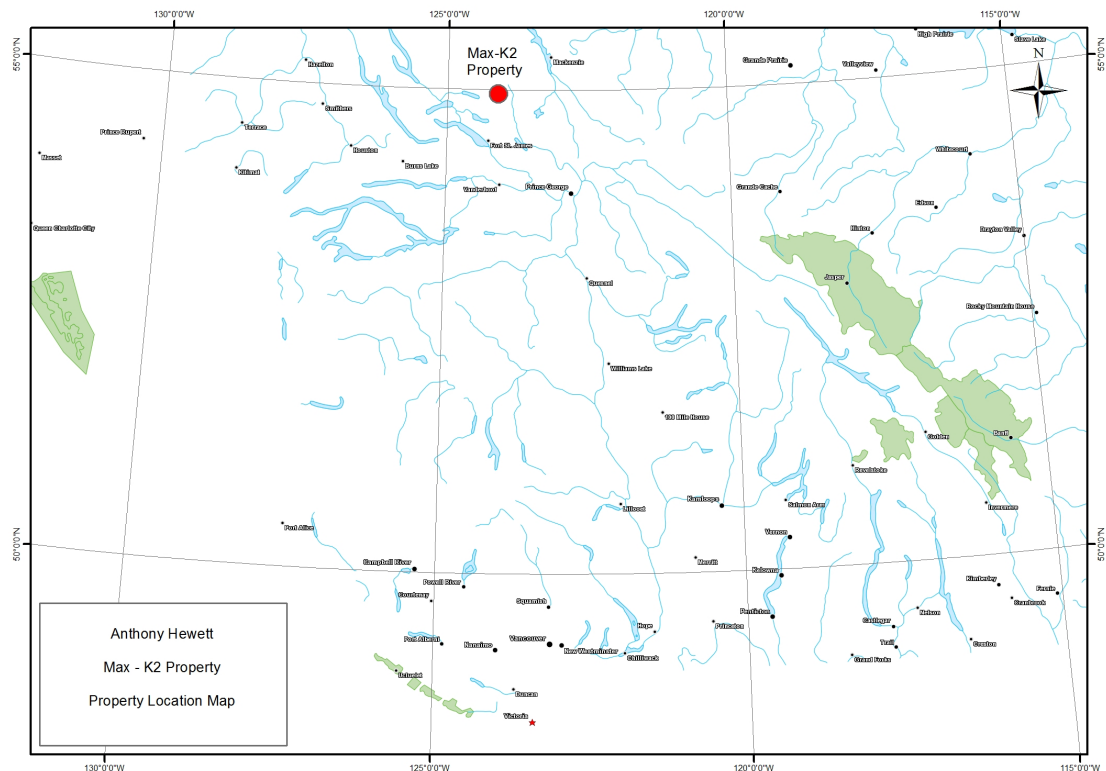
The line establishment and induced polarization survey consisted of some 40-line kilometers, carried out on 8 east-west traverses. Access to portions of the grid hampered production.

PROPERTY, LOCATION & ACCESS.

The Max-K2 property is located in the Omineca Mining Division of British Columbia some 57 kilometres northeast of the settlement of Fort St. James. It consists of the following claims:

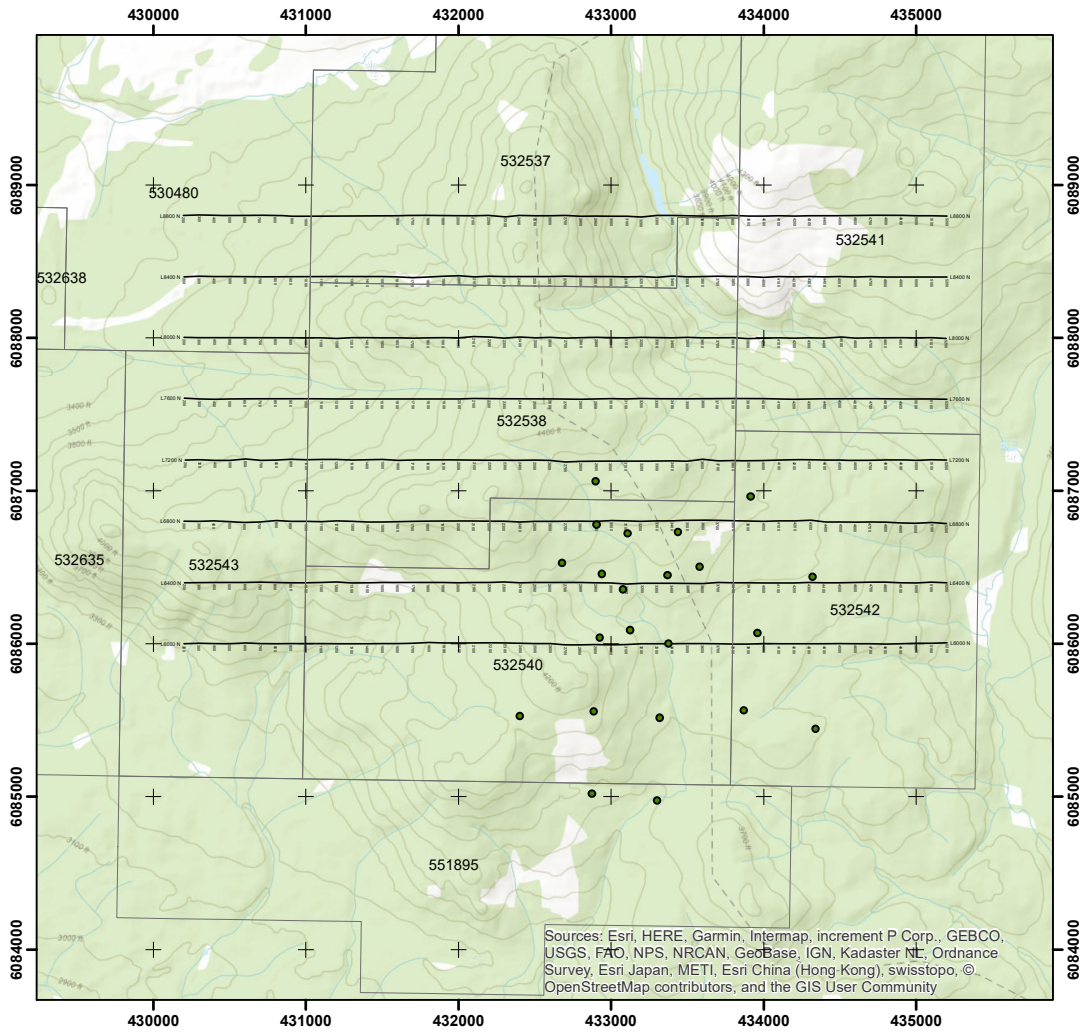
Access to the property is readily obtainable by active and old resource roads off the Rainbow forest service road, which is in turn accessed from the North Road.

PROPERTY, LOCATION & ACCESS cont'd.



Property Location Map

PROPERTY, LOCATION & ACCESS cont'd.



Claim and Line Location Map

PREVIOUS WORK

Mineral exploration in the Omineca district rotated with placer gold prospecting in 1869 and with copper exploration commencing in 1969.

In 1986 United Pacific Gold Limited conducted geological mapping, prospecting and soil/rock sampling programmes on the property.

In 1990 United sold their interest to City Resources who entered into a joint venture agreement with Rio Algom Exploration, which saw the latter conduct an airborne VLF electromagnetic and magnetic survey over the property, followed by grid soil sampling and geological mapping of the central portion.

In 1991 further work consisting of mapping, soil sampling and reconnaissance induced polarization surveying was completed on the other parts of the property.

In 1993 the B.C. government conducted a low level airborne magnetic and radiometric survey over the property, a continuation of the 1991 Mt. Milligan survey – the Mt. Milligan deposit is located some 22 kilometres to the north.

In 2007 Standard Metals Exploration Ltd. conducted soil and silt geochemical surveys along with limited geological mapping.

Subsequent sampling, mapping, induced polarization and airborne magnetic surveying were since carried out by the Mark Hewitt, and optionee Aztec Minerals.

For further information the reader is referred to the B.C. Ministry of Energy, Mines and Petroleum Resources ARIS archive, and to reports held by the property owner.

GEOLOGY.

The properties are located within the Quesnel Trough – Quesnellia Terrane –, a Mesozoic island arc terrane juxtaposed against the ancestral North American continental margin.

The Quesnel Trough is bounded on the west by older rocks of the Cache Creek Terrane across the Pinchi Fault, and to the east across the Manson Fault by the Slide Mountain Terrane.

The property is underlain by rocks of the Watch Lake and Inzana formations of the Takla Group - augite phyric flows and pyroclastics - with small dykes of diorite and gabbro cutting the volcanics possibly causing hornfelsing.

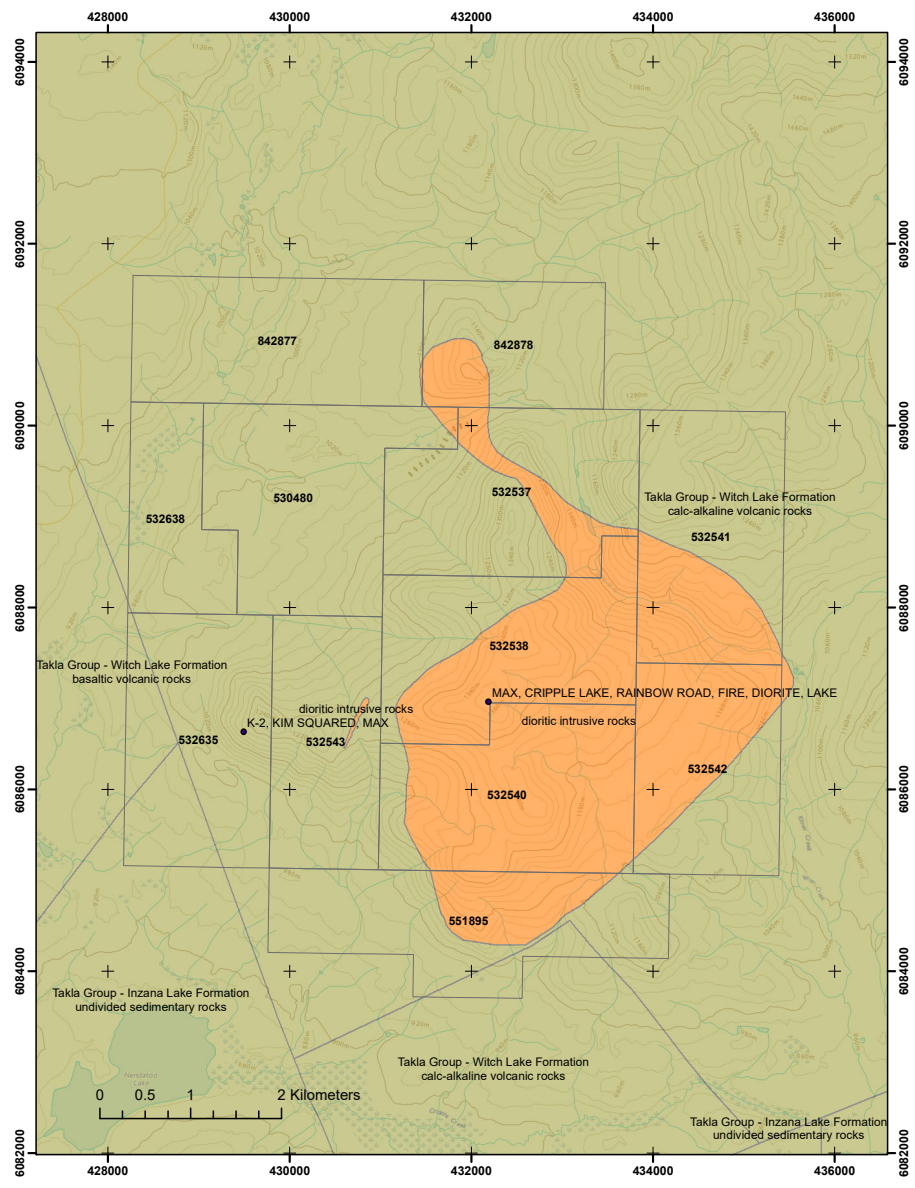
Four phases of a dominantly monzonitic to dioritic intrusive, coeval with the Takla volcanics, are seen in outcroppings on the property. Similar rocks are found at Mt. Milligan.

Significant magnetite, pyrite, chalcopyrite and malachite have been noted in the intrusive rocks.

Two Minfile occurrences are known on the property – Max (093K020) & K-2 (093K086)

For further information the reader is referred to the B.C. Ministry of Energy, Mines and Petroleum Resources ARIS archive, and to reports held by the property owner.

GEOLOGY cont'd.



Geology Map After BCGS.

PURPOSE.

The purpose of the induced polarization survey was to obtain deeper property wide DC Resistivity and Chargeability coverage over the core of the property, following up on anomalous results obtained during early RC drill program.

SURVEY SPECIFICATIONS.

The Induced Polarization Survey.

The induced polarization (IP) survey was conducted using a pulse type system, the principal components of which were manufactured by Walcer Geophysics Ltd. of Enniskillen, Ontario, and by Instrumentation GDD of St. Foy, Quebec.

The system consists basically of three units, a receiver (GDD), transmitter (Walcer) and a motor generator (Honda). The transmitter, which provides a maximum of 9.0 kw dc to the ground, obtains its power from a 20 kw 60 cps alternator driven by a Honda 24 hp 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 C₁ and C₂, the primary voltages (V) appearing between any two potential electrodes, P₁ through P₇, 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 twenty individual windows of 50 millisecond widths.

The apparent resistivity (ρ_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 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, C₁, and the potential electrodes, P₁ through P_{n+1}, are moved in unison along the survey lines at a spacing of “a” (the dipole) apart, while the second current electrode, C₂, is kept constant at “infinity”. The distance, “na” between C₁ and the nearest potential electrode generally controls the depth to be explored by the particular separation, “n”, traverse.

On this survey a 100 metre dipole was employed and first to eighth separations readings were obtained. In total some 40 line kilometres of surveying were completed.

SURVEY SPECIFICATIONS cont'd.*Horizontal and vertical control.*

The horizontal position of the stations was recorded using a GPS/GLONASS equipped Garmin C66 handheld GPS receiver.

Data Presentation.

The data are presented as individual pseudo section plots of apparent resistivity and apparent chargeability at a scale of 1:10,000 generated using Geosoft Oasis Montaj. In addition, data was subjected to 2D and 3D inversion and presented as model plans and sections at a scale of 1: 10,000.

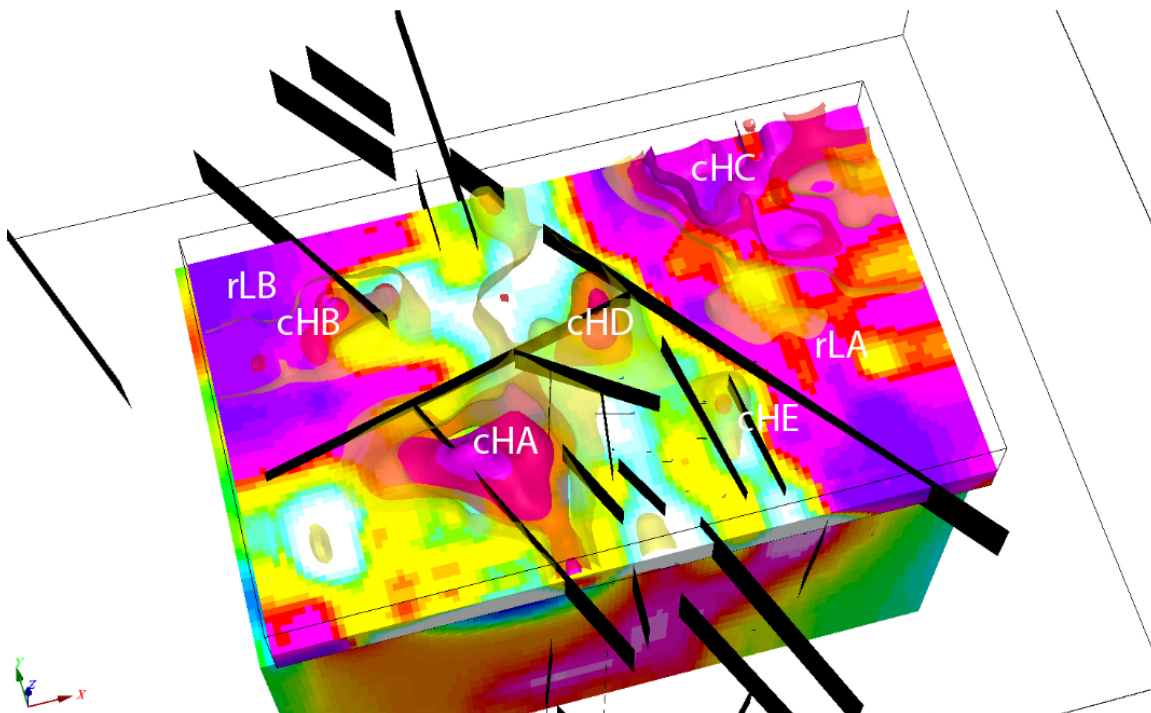
DISCUSSION OF RESULTS.

The results of the 2019 induced polarization survey identified numerous features of potential interest.

Within the survey area, several regional features can be readily observed within both the DC and IP components of the survey. These features are also coincident with marked magnetic breaks observed in a historic airborne magnetic survey,

Within the eastern portion of the survey area, an area of low to moderate resistivity can be observed (rLA). This area is also associated with a low to moderate magnetic response. In the northern portion on this unit, a zone of elevated chargeability (cHC) can also be observed. This area is likely associated with a sedimentary unit, with zones of elevated chargeability associated with graphitic horizons within the unit.

A similar geophysical response (rLB) can also be observed within the northwestern portion of the survey area also likely associated with a sedimentary unit.



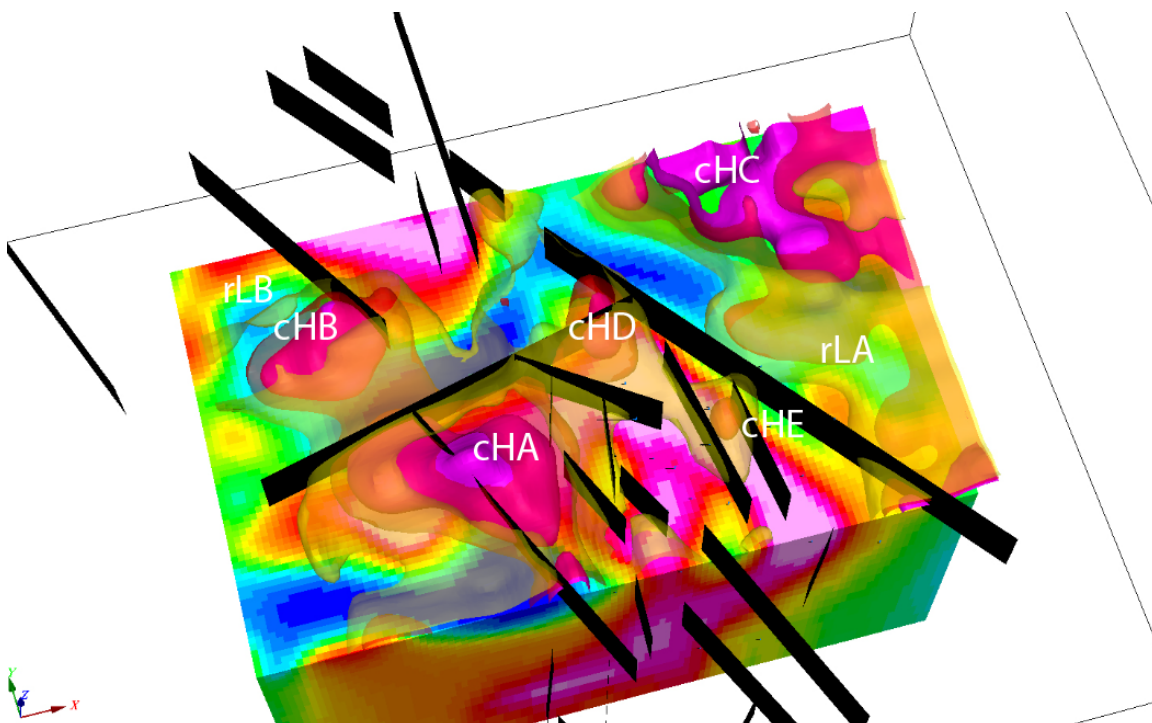
*3D View of
3D Modelled Resistivity with Chargeability Isosurfaces*

DISCUSSION OF RESULTS cont'd.

The central portion of the survey grid shows several features of potential interest. This area is characterized by a north northwesterly trending region of moderate to high resistivity, along with elevated magnetics associated with both the volcanic and intrusive units. The area appears to be fault bounded by numerous structures which can be observed within the respective dataset.

The majority of the chargeability features appear to flank the aforementioned resistive units.

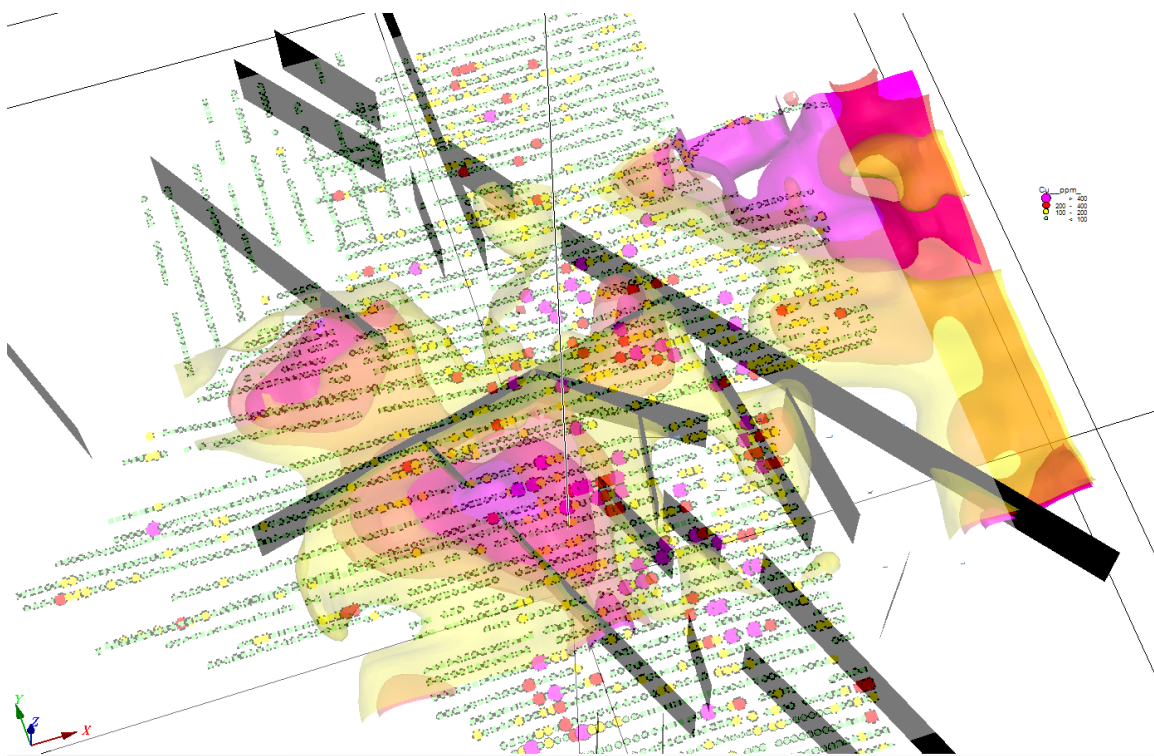
Anomaly cHA - lies within the southern western portion of the survey area. This chargeability zone is situated within a zone of reduced resistivity flanking the western margin of the large resistivity anomaly. The feature appears to lie within a north northwesterly corridor and truncated in the north by an east-northeasterly structure. The feature is also associated with a regional of elevated magnetic susceptibility. A cluster of elevated copper geochemistry can also be observed within the southern portion of this anomaly.



*3D View of
3D Modelled Magnetic Susceptibility with Chargeability Isosurfaces*

DISCUSSION OF RESULTS cont'd.

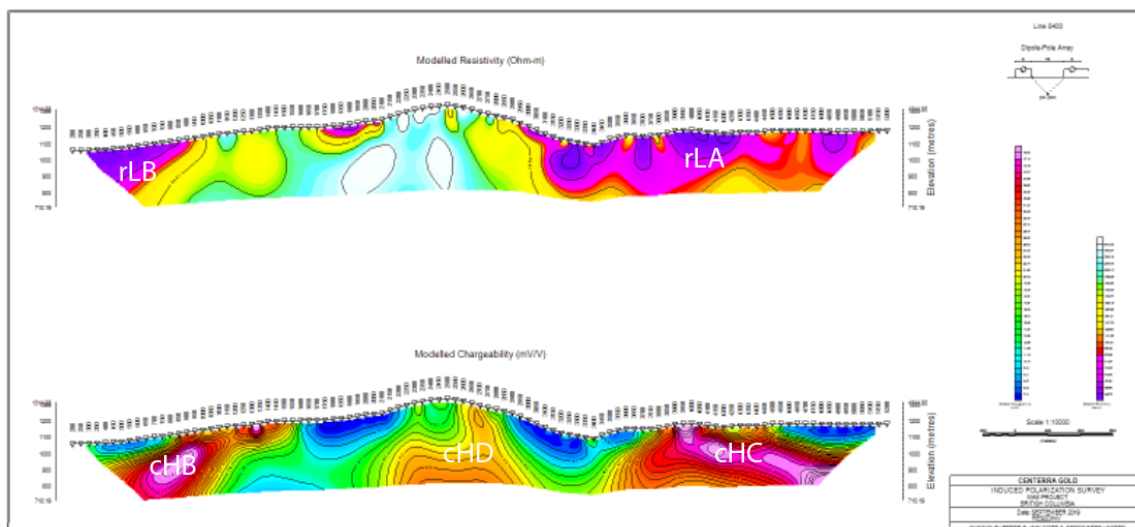
Anomaly cHB is situated in the northwest corner of the 2019 survey coverage. This large feature lies within a low to moderate magnetic response and associated with a large low resistivity feature (rLB). The causative source of this anomaly is likely graphitic horizons within the sediments as previously mentioned, however this does lie within the same north-northwest corridor as cHA.



*3D View of
3D Modelled Chargeability Isosurfaces with Copper Soil Geochemistry*

DISCUSSION OF RESULTS cont'd.

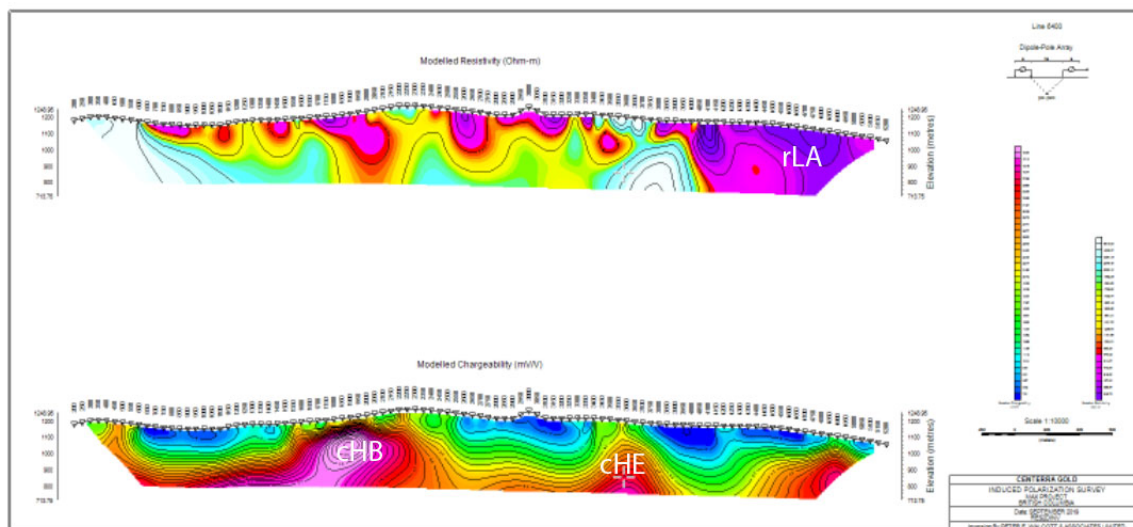
Anomaly cHD is in the center of the survey area. This anomaly lies within an embayment of moderate resistivity, and zone of elevated magnetic susceptibility. The anomaly is truncated in the east by a large north-northwesterly structure and bisected by the east-northeasterly structure. A zone of elevated copper geochemistry appears to be associated with the western margins of the anomaly.



2D Inversion – Line 8400N

Immediately to the south of anomaly cHD is anomaly cHE. The anomaly lies on the northern terminus of a resistive body, which is isolated from the main resistive feature. The feature is encapsulated in a defined north-northwesterly zone of elevated magnetic susceptibility. A copper soil geochemistry anomaly can also be observed in the western portion of the anomaly and remains open to the east.

DISCUSSION OF RESULTS cont'd.



2D Inversion – Line 6400N

The 2019 RC drilling program yielded several anomalous intercepts, during the campaign. These intercepts were dominantly in the southern portion of the survey area, within the core resistive unit and haloed by the respective chargeability anomalies. The intercepts were dominantly in a zone of reduced chargeability.

SUMMARY, CONCLUSIONS & RECOMMENDATIONS.

Between September 19th and November 10th, 2019 Peter E. Walcott & Associates Limited undertook line establishment and induced polarization surveying for Thompson Creek Metals Inc. on their Max Property.

The line establishment and induced polarization surveying consisted of some 40-line kilometers of traverses carried out on 8 east – west lines.

The results of the survey yielded several features of interest which warrant follow up in the form of diamond drilling.

A detailed compilation of all data should be undertaken, consideration should be given to extending the IP survey coverage to the south, covering off the magnetic features which are potentially associated with mineralization.

Respectfully submitted,

PETER E. WALCOTT & ASSOCIATES LIMITED

Alexander Walcott B.Sc.
Geophysicist

Coquitlam, B.C.
March 2020

APPENDIX I

COST OF SURVEY.

Peter E. Walcott & Associates Limited undertook the survey on a daily basis providing 3 operators, 4 assistants and a 10 KW IP system with 2 receivers, 2 4x4 trucks, line cutting equipment, GPS's etc at a daily rate of \$5320.00 per day.

In addition, 3 ATV and a side-by-side were provided on a bill as used system at a cost of \$18325.00. Room and board charges were \$66,785.00 while fuel costs were \$6,834.95.

Mobilization charges of \$7,548.05 were accrued, while reporting/inversions costs were billed at \$2000.00.

Thus, the total cost of services provided was \$344,098.00.

PERSONNEL EMPLOYED ON SURVEY.

Name	Occupation	Company	Dates
A. Walcott	Geophysicist	Peter E. Walcott & Associates Limited 111-17 Fawcett Rd., Coquitlam, B.C.	
M. Magee	Geophysical Operator	"	Sept 19-Oct 17, 2019 Oct 24-Nov 10, 2019
N. Loubser	"	"	Sept 19- Oct 10
C. Roe	"	"	Sept 19-Sept 25
C. Alexander	"	"	Sept 19-Nov 10
B. Pastro	"	"	Oct 10-Nov 10
O. Kucera	"	"	Oct 16-Nov 7
B. Doram	"	"	Oct 18-Nov 10
F. Cavellin	Geophysical Assistant	"	Sept 27-Nov 4
T. French	"	"	Sept 19-Nov 10
J. French	"	"	Sept 19-Nov 11
S. Oliver	"	"	Nov 8 - Nov 10

CERTIFICATION.

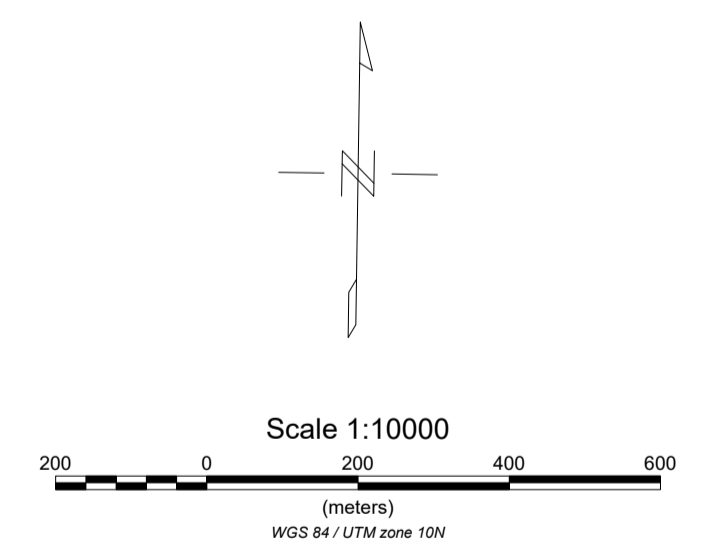
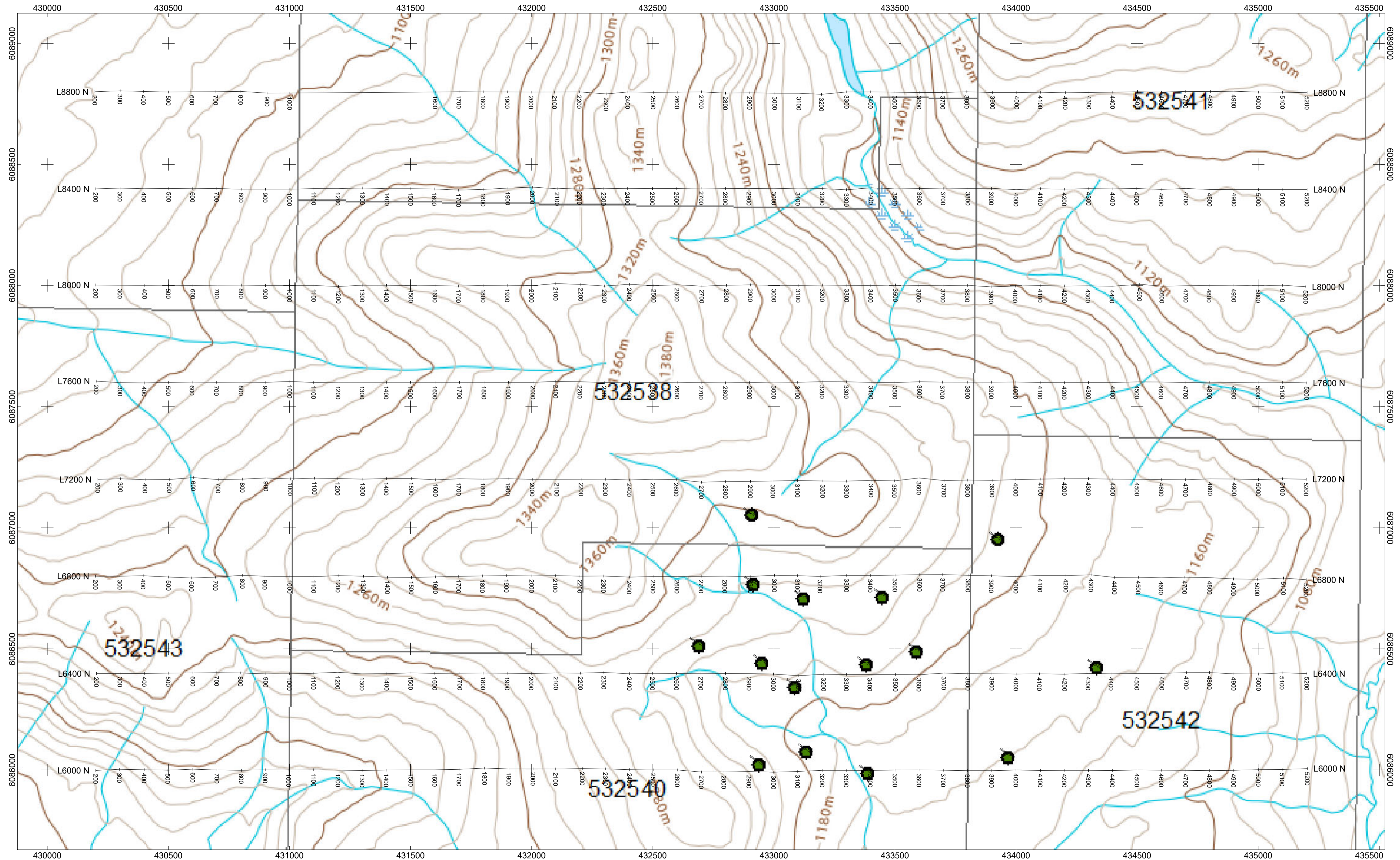
I, Alexander Walcott, of 38-181 Ravine Dr., Port Moody, British Columbia, hereby certify that:

1. I am a graduate of the University of Alberta with a B.Sc. Earth Sciences Major, with a Physics Minor.
2. I have been active in mineral exploration for the past 20 years.
3. I am currently employed by Peter E. Walcott & Associated Limited.
4. I hold no interest, direct or indirect, in the property, nor do I expect to receive any.

Alexander Walcott, B.Sc.

**Coquitlam, B.C.
March 2020**

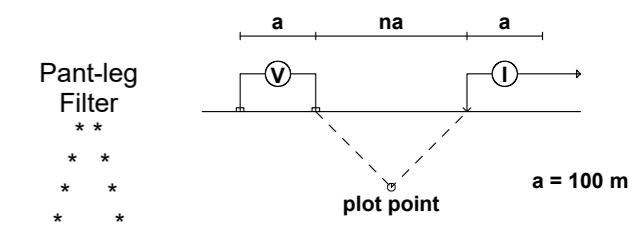
ACCOMPANYING MAPS



<p>THOMPSON CREEK METALS INC.</p> <p>INDUCED POLARIZATION SURVEY CLAIM AND LINE LOCATION MAP</p> <p>MAX PROPERTY FT. ST. JAMES AREA, BRITISH COLUMBIA FALL 2019</p> <p>PETER E. WALCOTT & ASSOCIATES LIMITED</p>

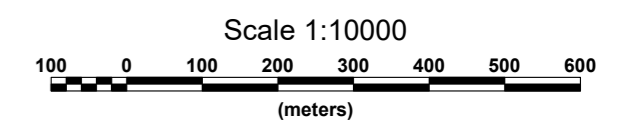
Pseudo Section Plot 60+00 N

Dipole-Pole Array

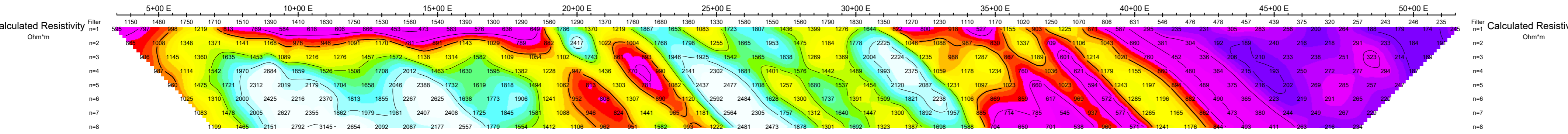
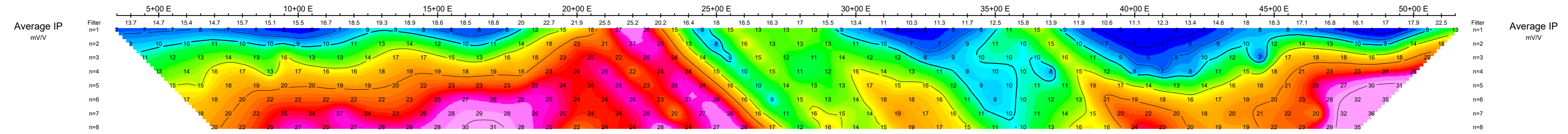


Pant-leg Filter
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Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

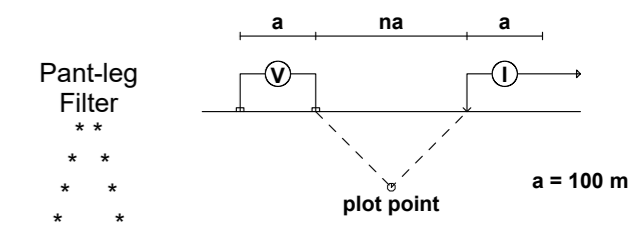


THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
MAX PROPERTY
FT. ST. JAMES, BRITISH COLUMBIA
 Date: FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



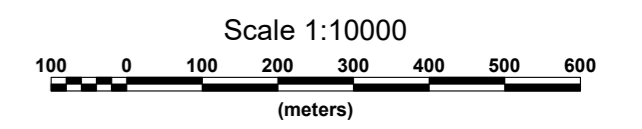
**Pseudo Section Plot
64+00 N**

Dipole-Pole Array

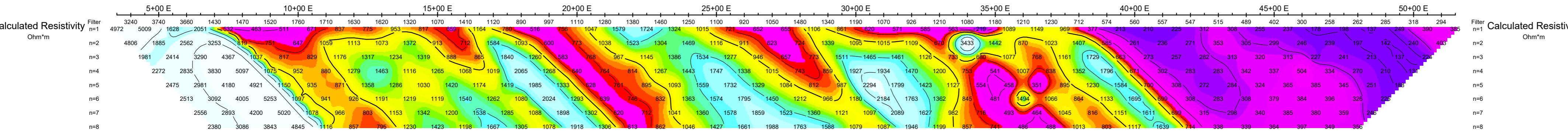
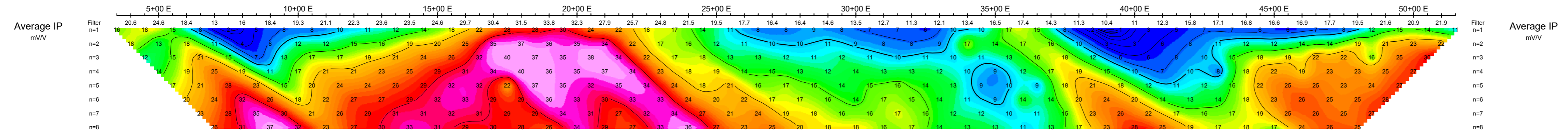


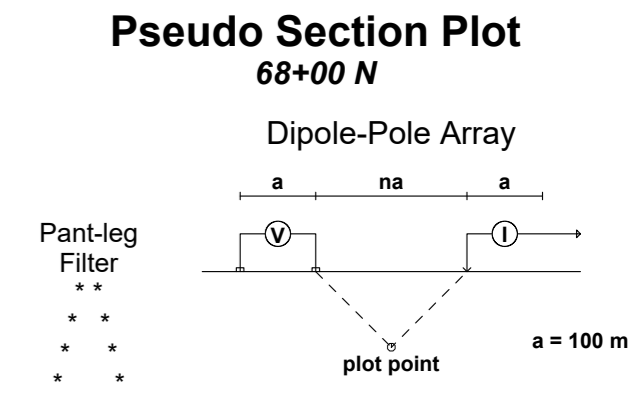
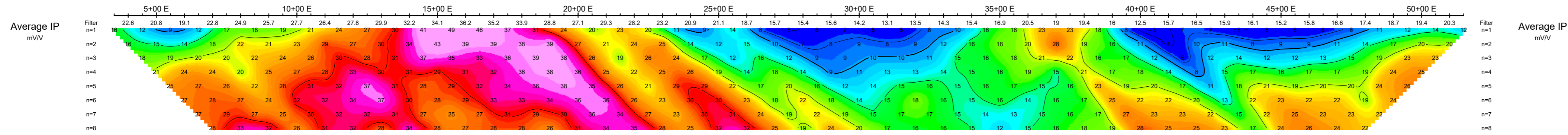
Pant-leg
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Logarithmic
Contours
1, 1.5, 2, 3, 5, 7.5, 10,...



THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
MAX PROPERTY
FT. ST. JAMES, BRITISH COLUMBIA
 Date: FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED

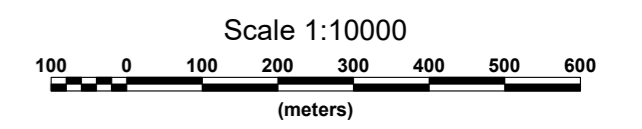
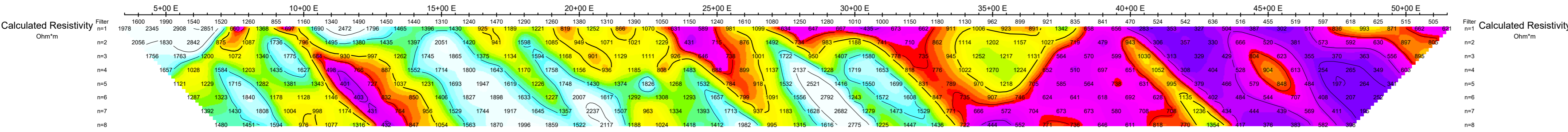




Average IP
mV/V

Filter n=1 to n=8

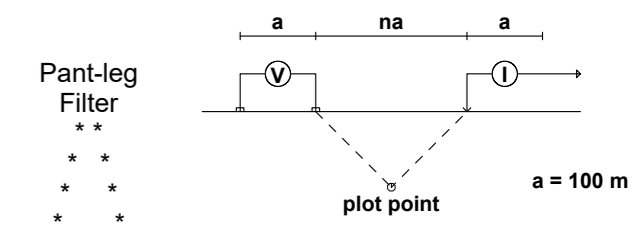
Logarithmic
Contours
1, 1.5, 2, 3, 5, 7.5, 10,...



THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
MAX PROPERTY
FT. ST. JAMES, BRITISH COLUMBIA
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PETER E. WALCOTT & ASSOCIATES LIMITED

**Pseudo Section Plot
72+00 N**

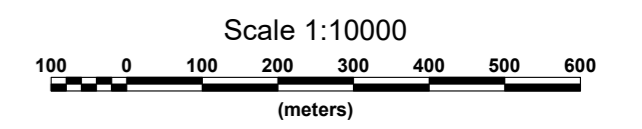
Dipole-Pole Array



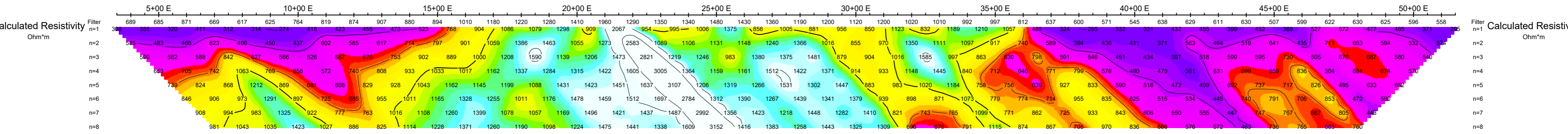
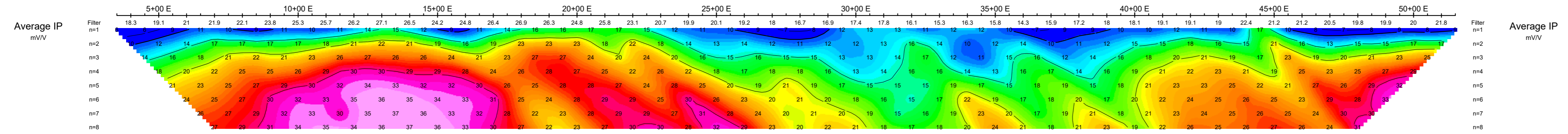
Pant-leg
Filter
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a = 100 m

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

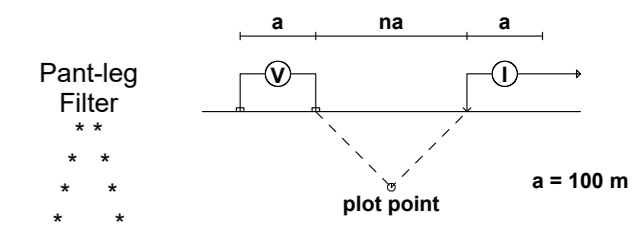


THOMPSON CREEK METALS INC.
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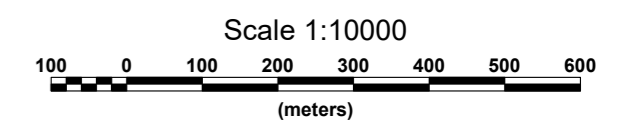
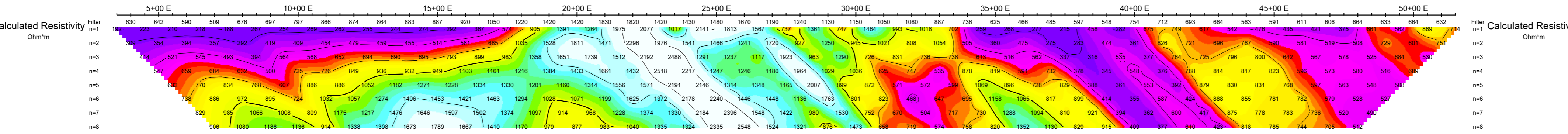
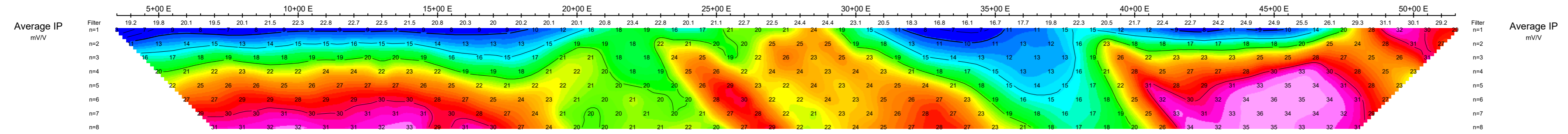
**Pseudo Section Plot
76+00 N**

Dipole-Pole Array

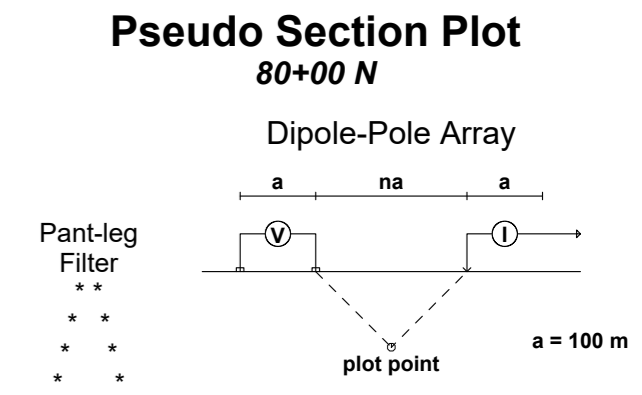
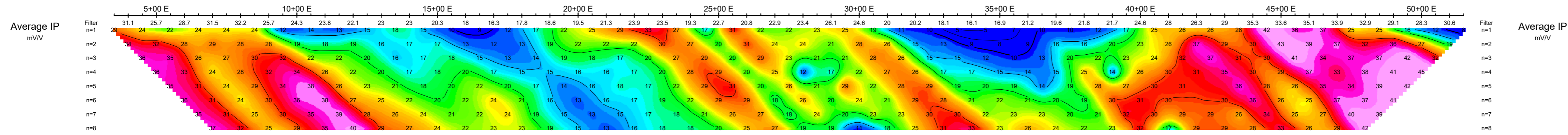


Pant-leg
Filter
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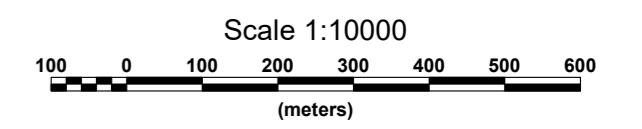
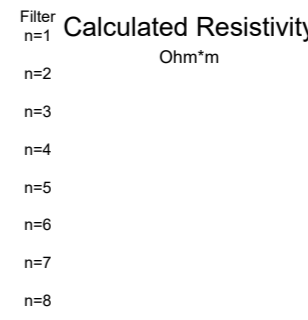
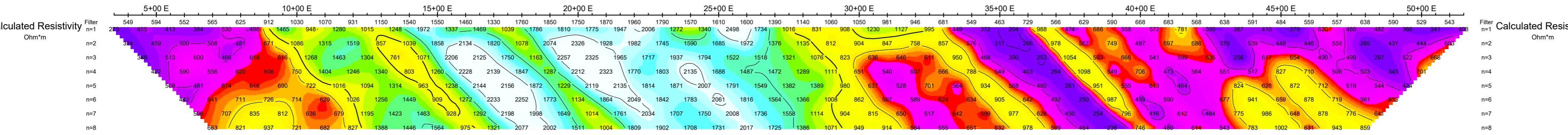
Logarithmic
Contours
1, 1.5, 2, 3, 5, 7.5, 10,...



THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
MAX PROPERTY
FT. ST. JAMES, BRITISH COLUMBIA
 Date: FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



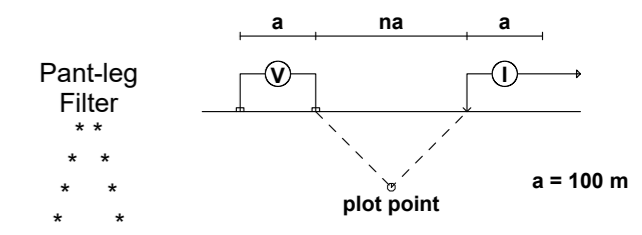
Logarithmic
Contours
1, 1.5, 2, 3, 5, 7.5, 10,...



THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
MAX PROPERTY
FT. ST. JAMES, BRITISH COLUMBIA
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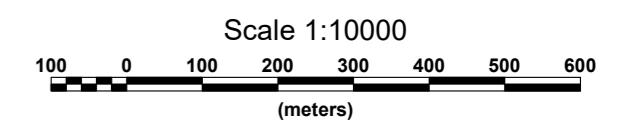
Pseudo Section Plot 84+00 N

Dipole-Pole Array

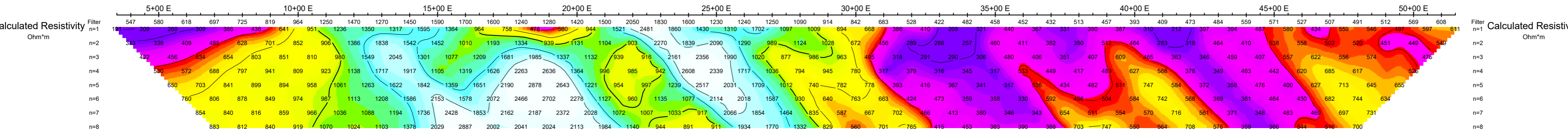
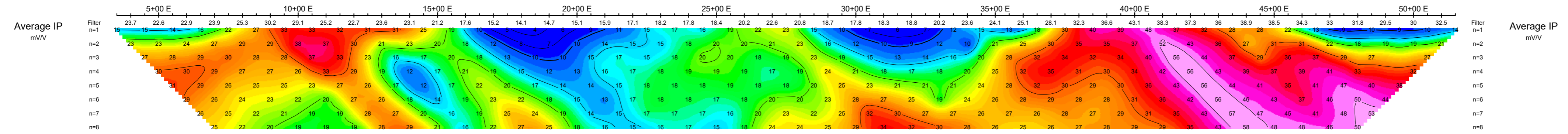


Pant-leg
Filter
* *
* *
* *
* *

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



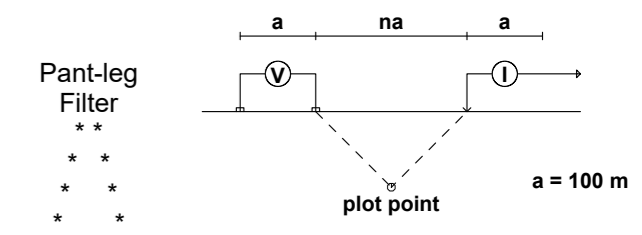
THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
MAX PROPERTY
FT. ST. JAMES, BRITISH COLUMBIA
 Date: FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



Pseudo Section Plot

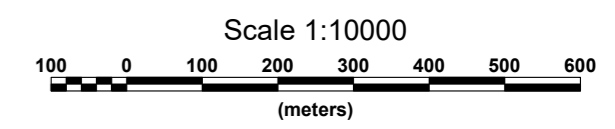
88+00 N

Dipole-Pole Array

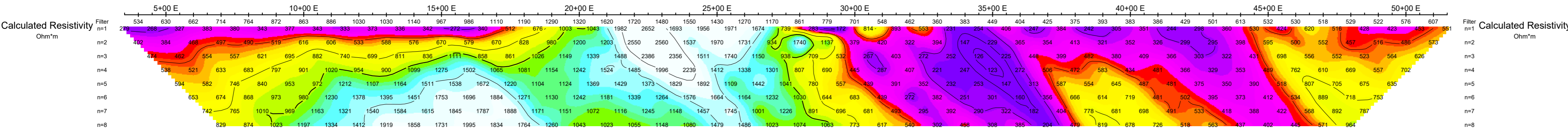
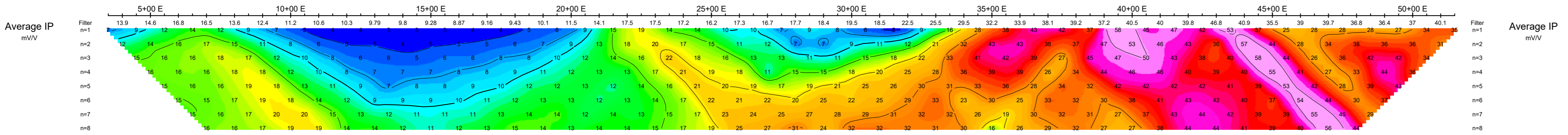


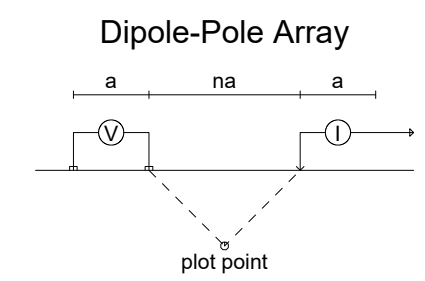
Pant-leg Filter
* *
* *
* *

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

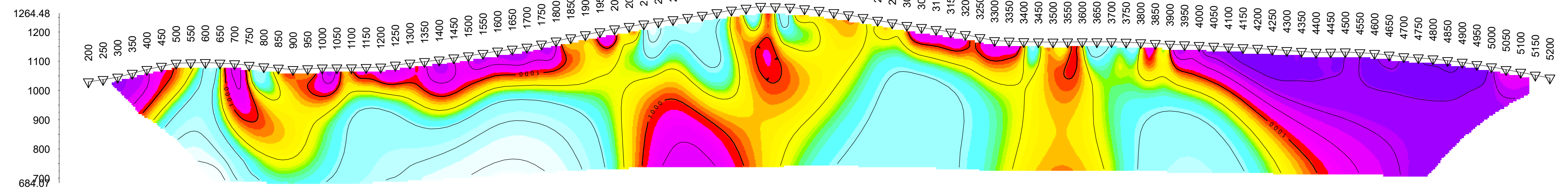


THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
MAX PROPERTY
FT. ST. JAMES, BRITISH COLUMBIA
 Date: FALL 2019
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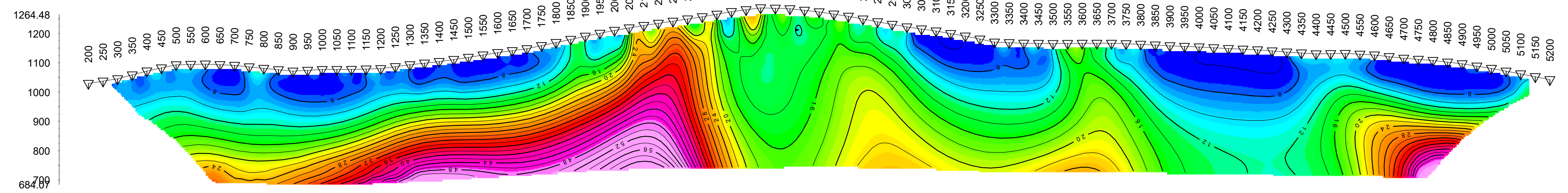


Modelled Resistivity (Ohm-m)

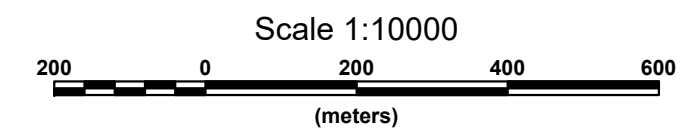
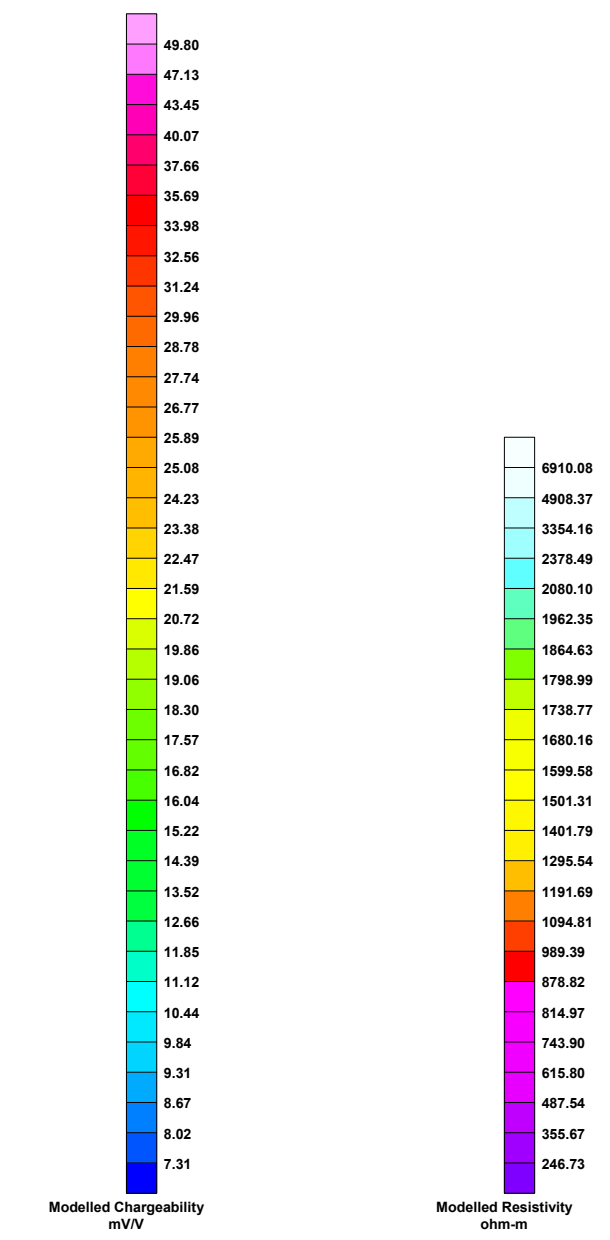


Elevation (metres)

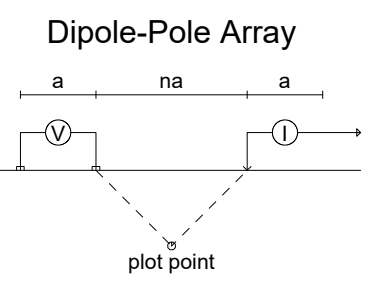
Modelled Chargeability (mV/V)



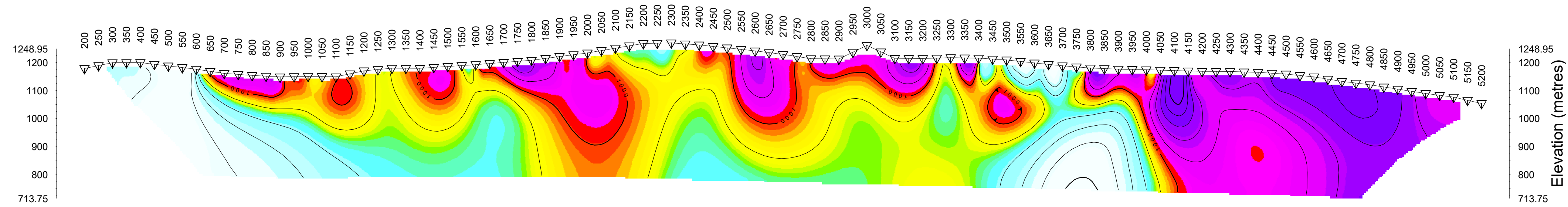
Elevation (metres)



THOMPSON CREEK METALS INC.
 INDUCED POLARIZATION SURVEY
 MAX PROJECT
 BRITISH COLUMBIA
 Date: FALL 2019
 RES2DINV
 Inversion By: PETER E. WALCOTT & ASSOCIATES LIMITED

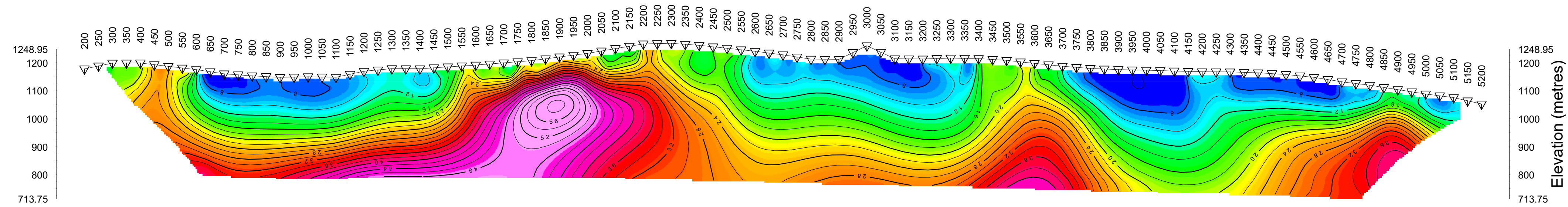


Modelled Resistivity (Ohm-m)

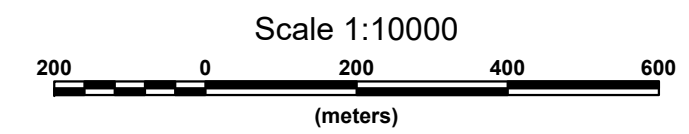
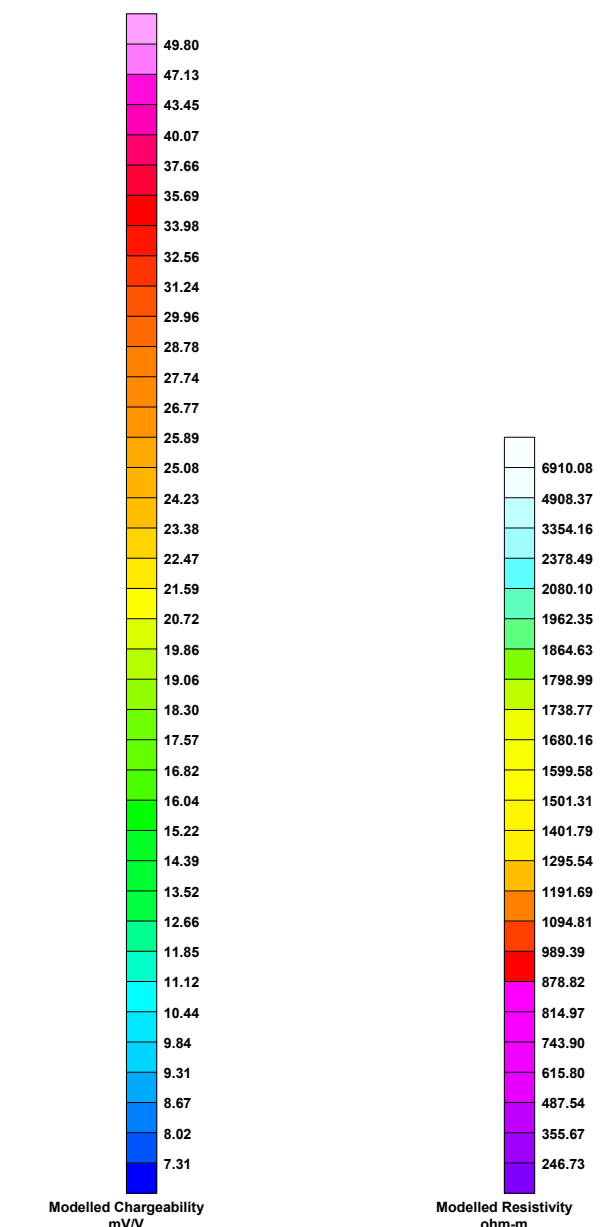


Elevation (metres)

Modelled Chargeability (mV/V)

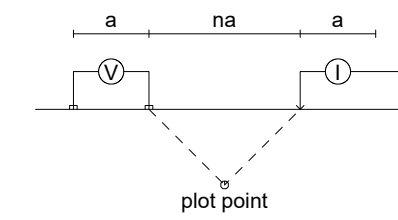


Elevation (metres)

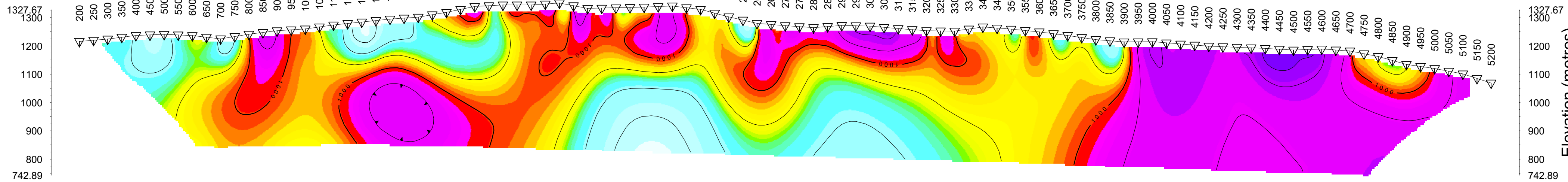


THOMPSON CREEK METALS INC.
 INDUCED POLARIZATION SURVEY
 MAX PROJECT
 BRITISH COLUMBIA
 Date: FALL 2019
 RES2DINV
 Inversion By: PETER E. WALCOTT & ASSOCIATES LIMITED

Dipole-Pole Array

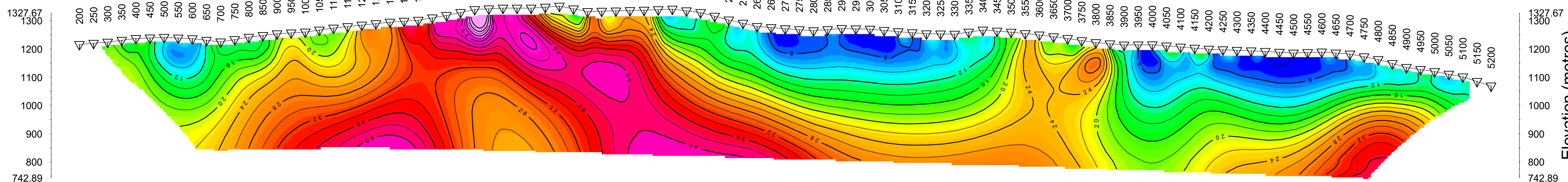


Modelled Resistivity (Ohm-m)

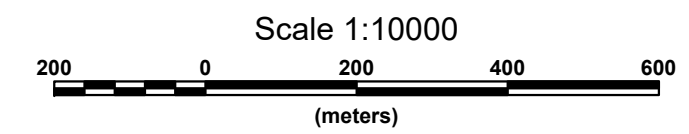
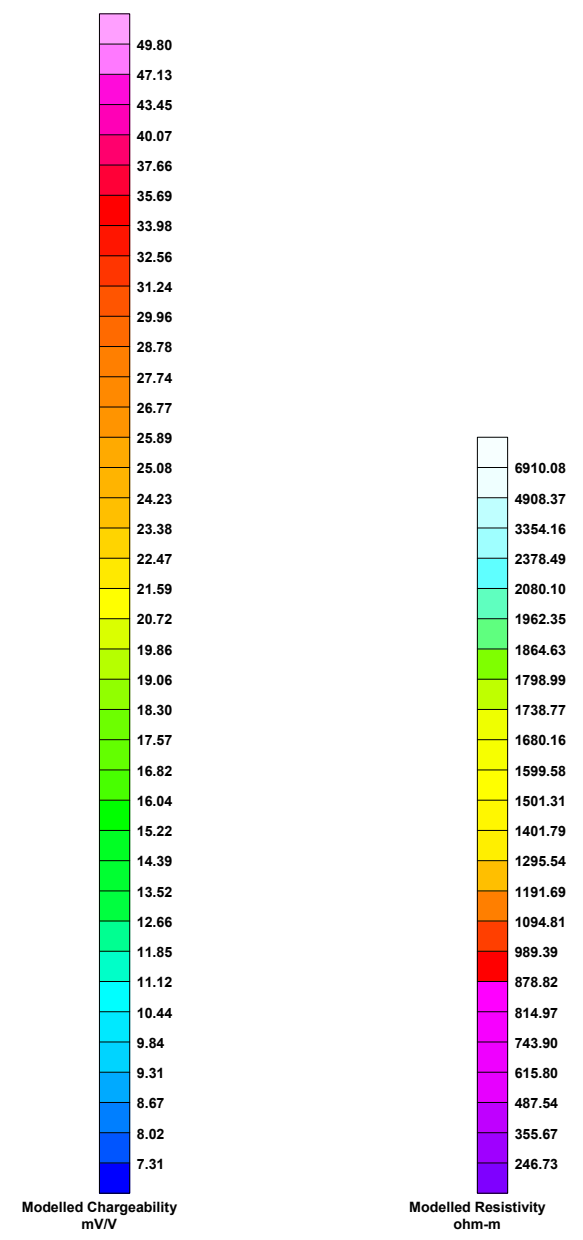


Elevation (metres)

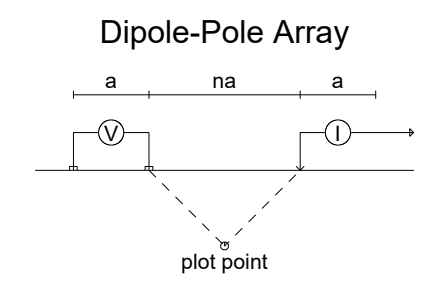
Modelled Chargeability (mV/V)



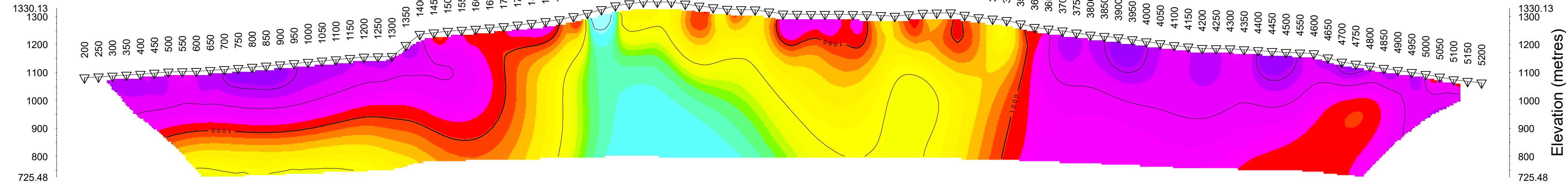
Elevation (metres)



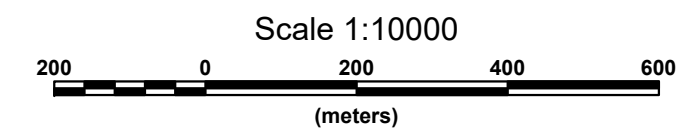
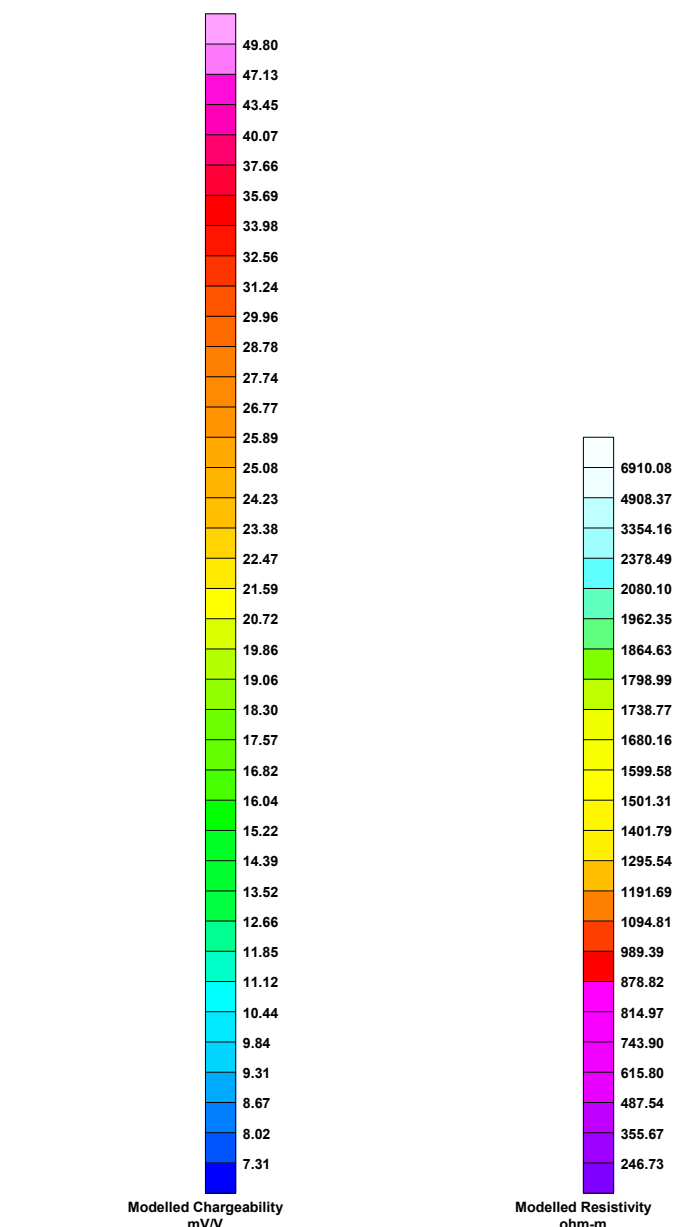
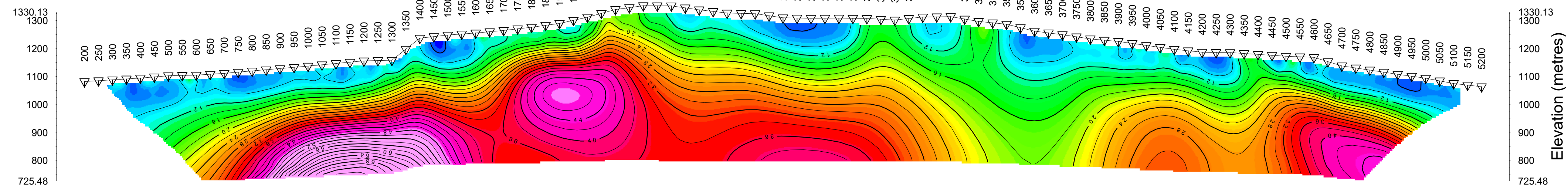
THOMPSON CREEK METALS INC.
 INDUCED POLARIZATION SURVEY
 MAX PROJECT
 BRITISH COLUMBIA
 Date: FALL 2019
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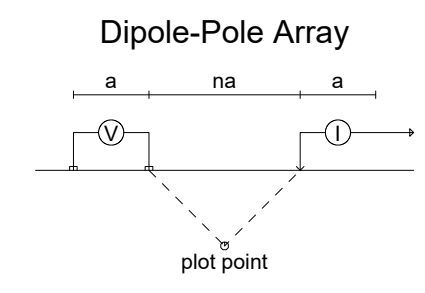
Modelled Resistivity (Ohm-m)



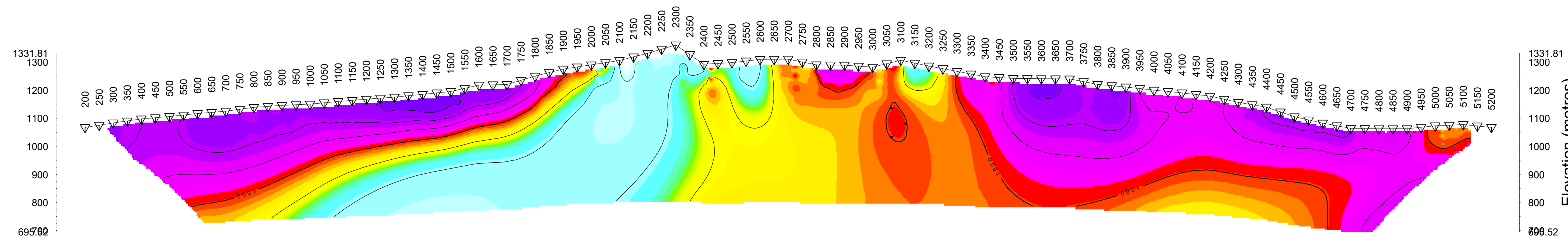
Modelled Chargeability (mV/V)



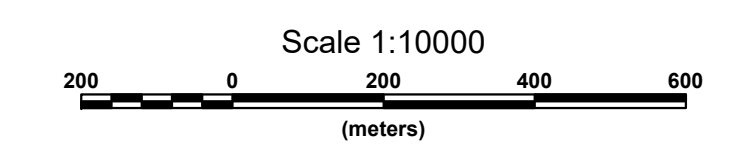
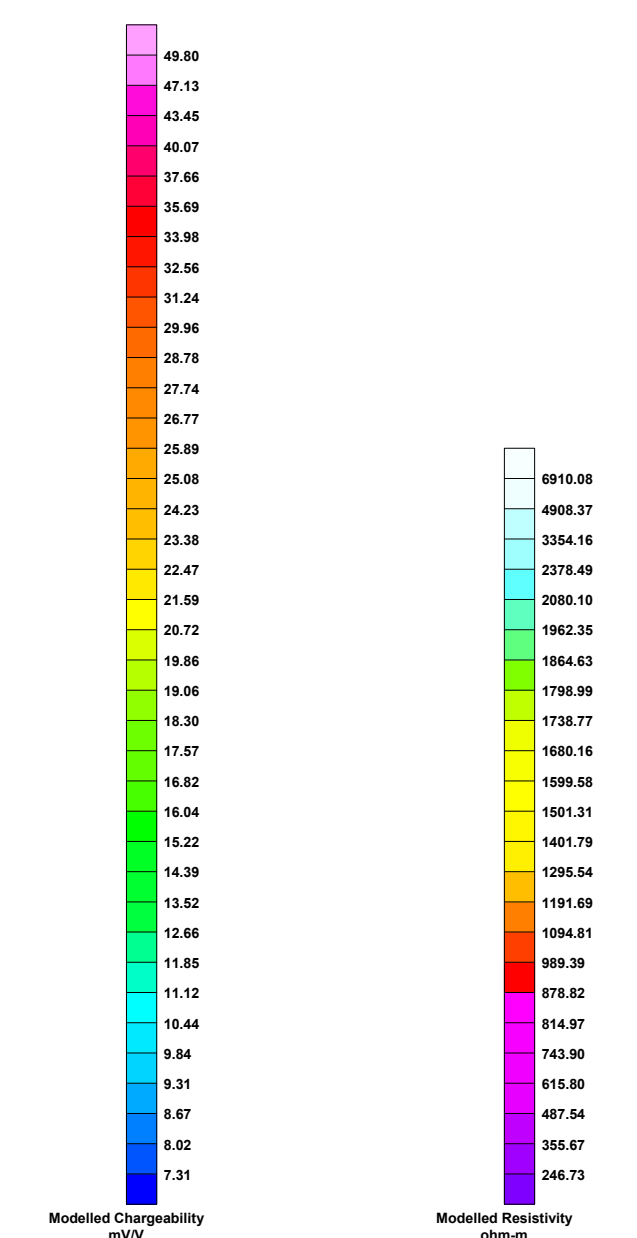
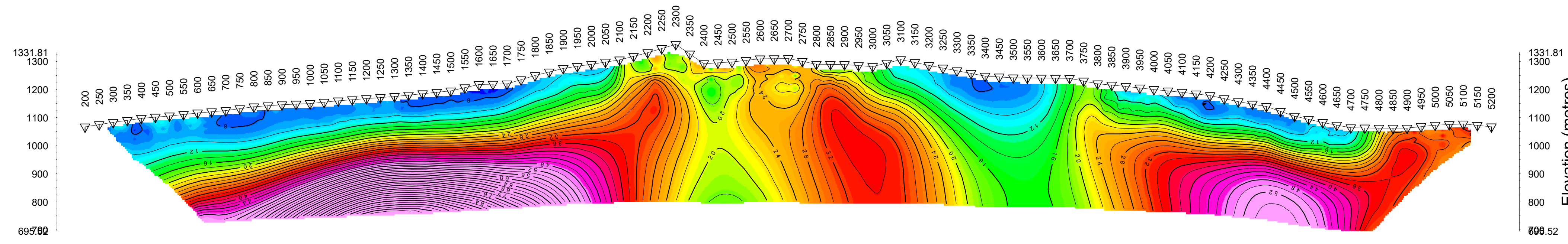
THOMPSON CREEK METALS INC.
 INDUCED POLARIZATION SURVEY
 MAX PROJECT
 BRITISH COLUMBIA
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 RES2DINV
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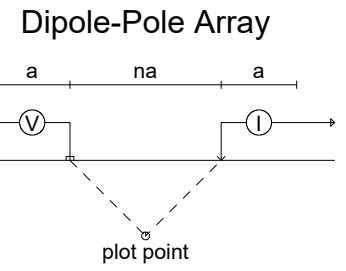
Modelled Resistivity (Ohm-m)



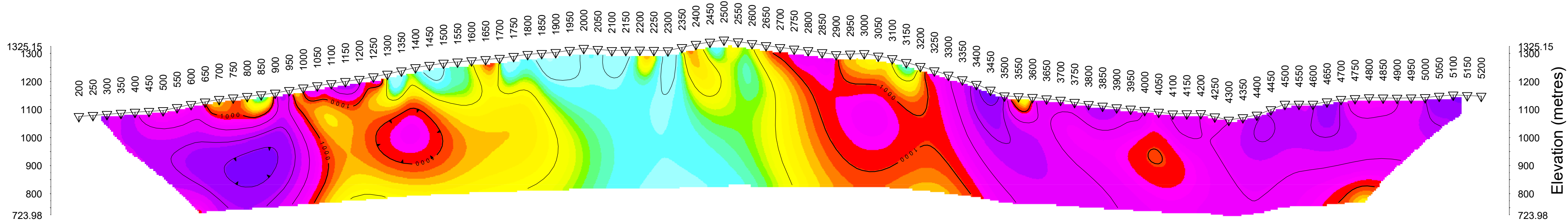
Modelled Chargeability (mV/V)



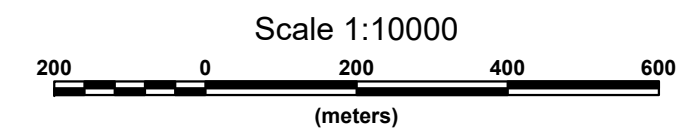
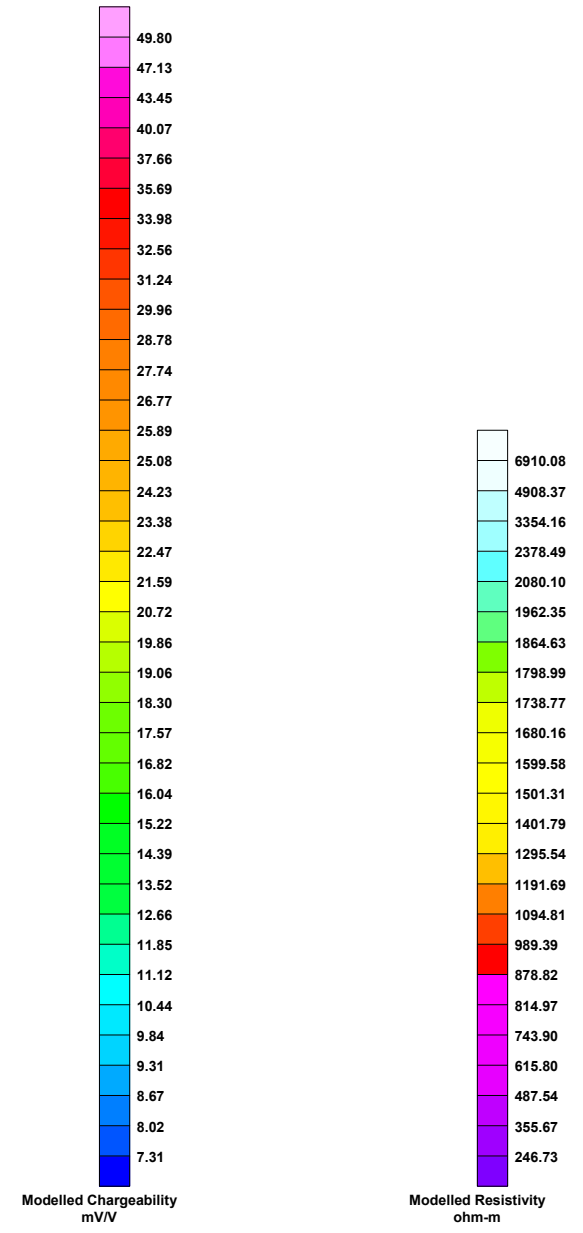
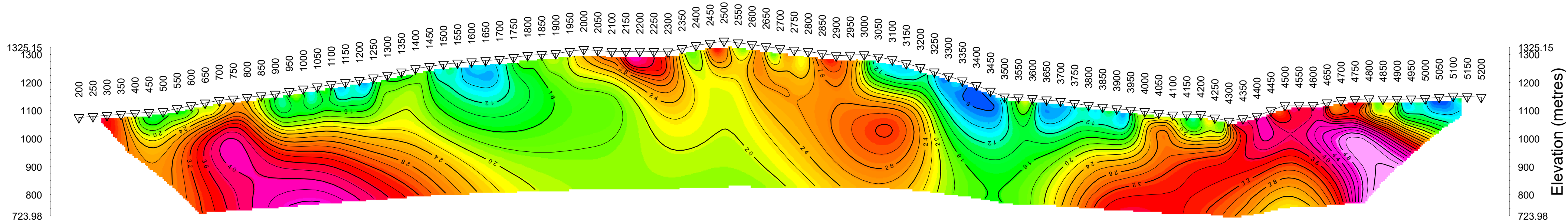
THOMPSON CREEK METALS INC.
 INDUCED POLARIZATION SURVEY
 MAX PROJECT
 BRITISH COLUMBIA
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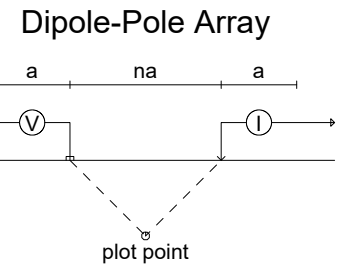
Modelled Resistivity (Ohm-m)



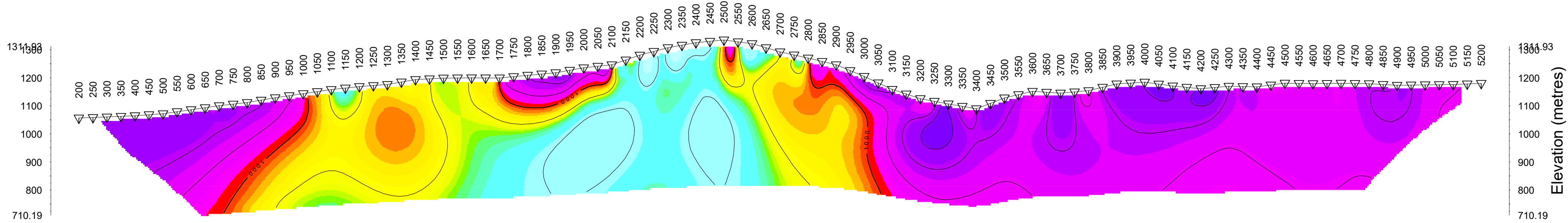
Modelled Chargeability (mV/V)



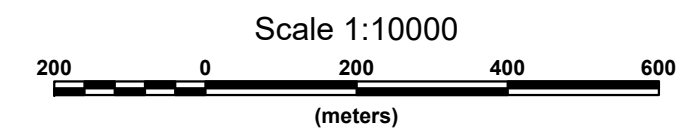
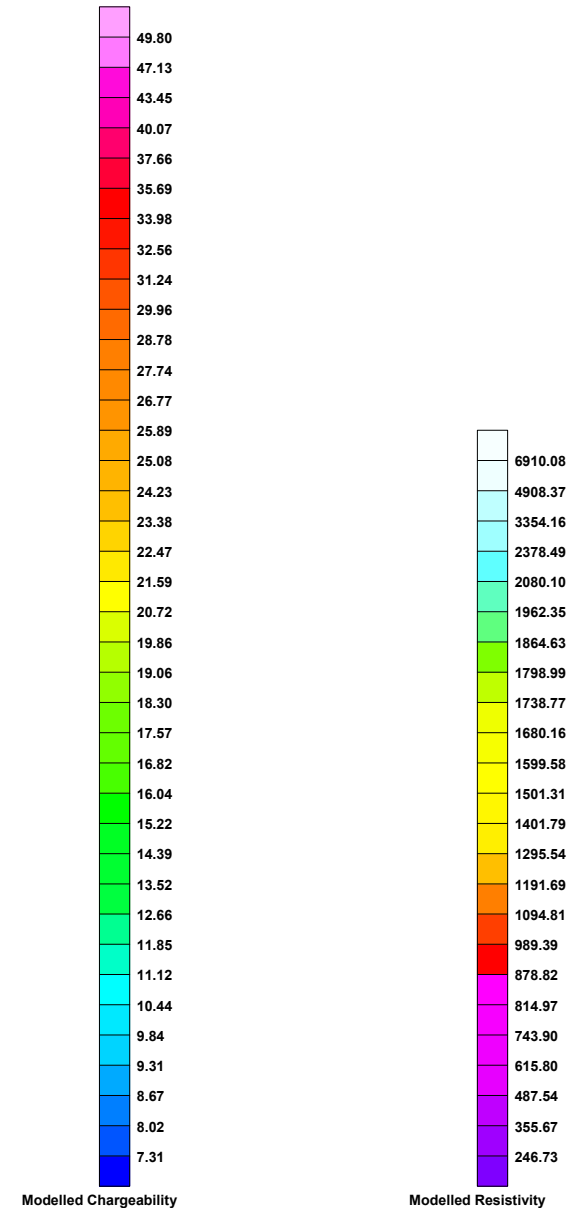
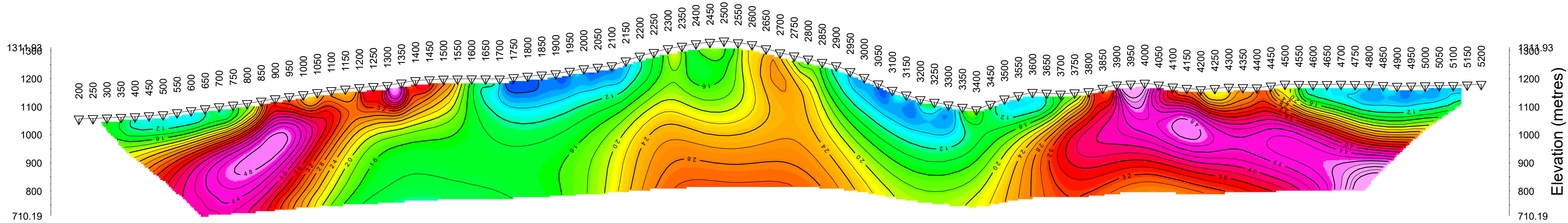
THOMPSON CREEK METALS INC.
 INDUCED POLARIZATION SURVEY
 MAX PROJECT
 BRITISH COLUMBIA
 Date: FALL 2019
 RES2DINV
 Inversion By: PETER E. WALCOTT & ASSOCIATES LIMITED



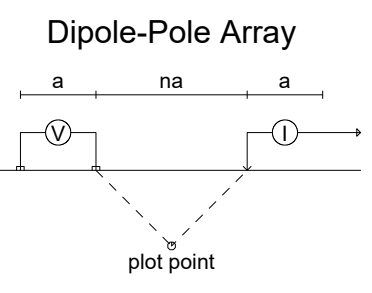
Modelled Resistivity (Ohm-m)



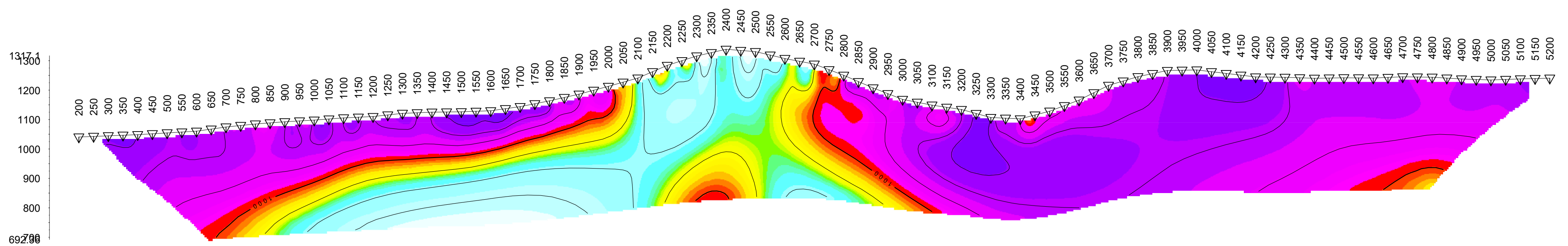
Modelled Chargeability (mV/V)



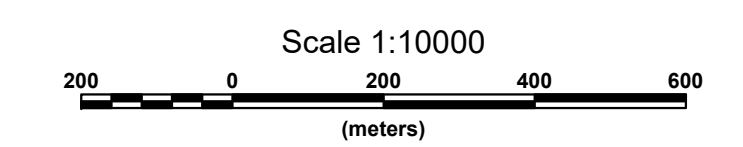
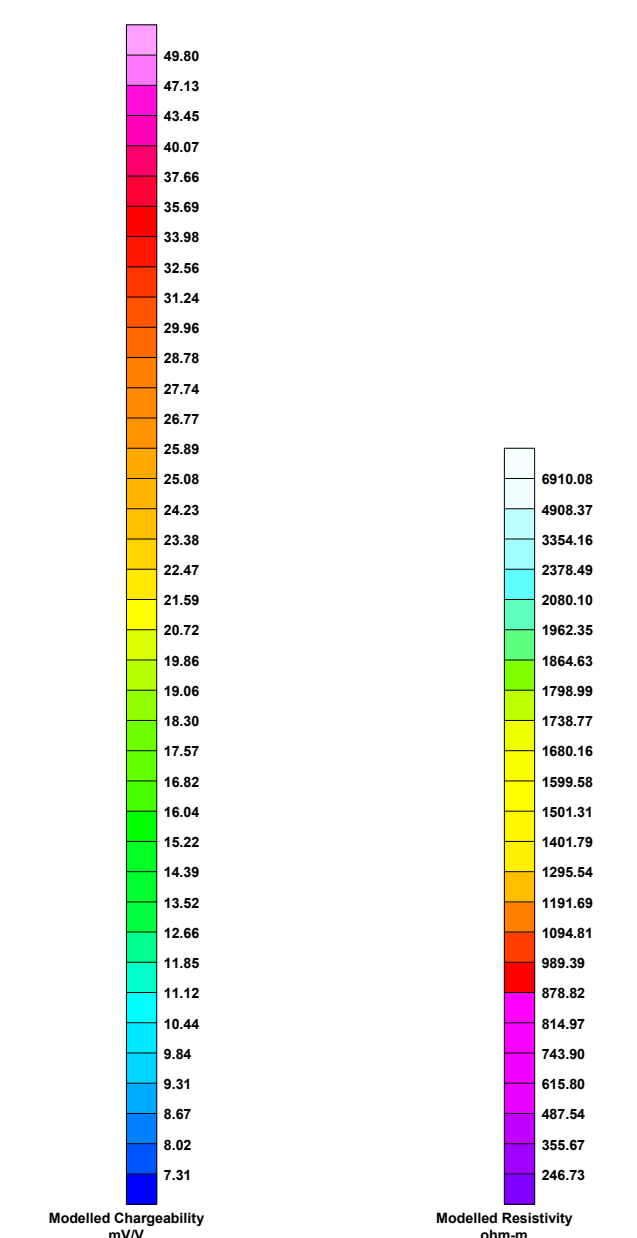
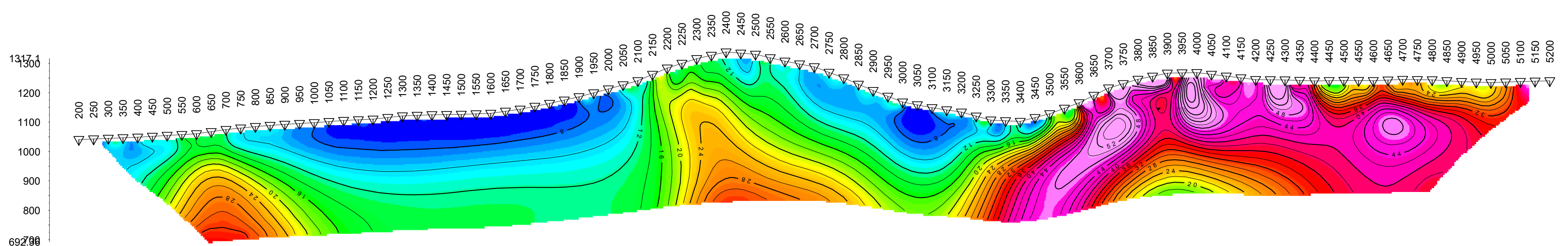
THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
MAX PROJECT
BRITISH COLUMBIA
Date: FALL 2019
RES2DINV
Inversion By: PETER E. WALCOTT & ASSOCIATES LIMITED



Modelled Resistivity (Ohm-m)

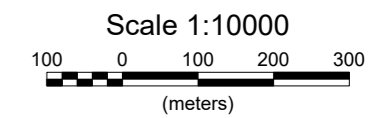
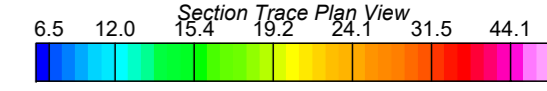
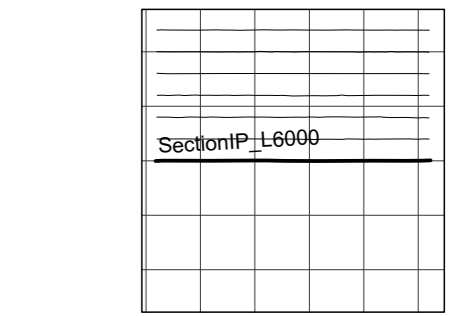
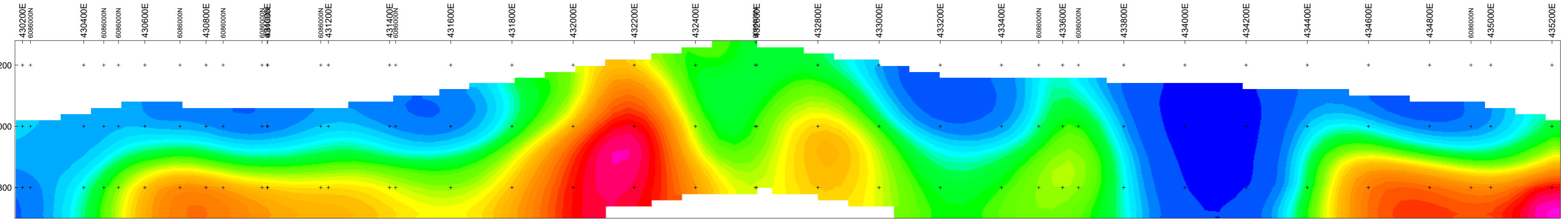


Modelled Chargeability (mV/V)



THOMPSON CREEK METALS INC.
 INDUCED POLARIZATION SURVEY
 MAX PROJECT
 BRITISH COLUMBIA
 Date: FALL 2019
 RES2DINV
 Inversion By: PETER E. WALCOTT & ASSOCIATES LIMITED

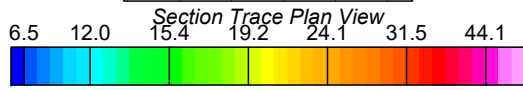
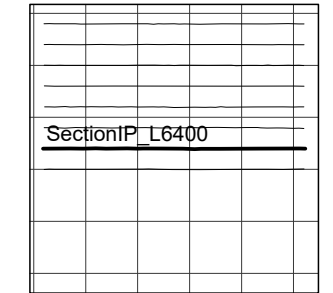
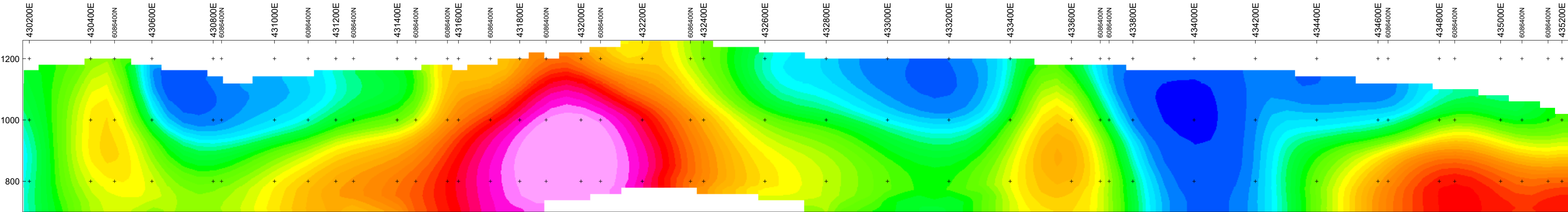
SectionIP_L6000



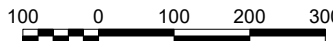
Vertical Exaggeration: 1

**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
MAX PROPERTY, FT. ST. JAMES, B.C.

SectionIP_L6400



Scale 1:10000



(meters)

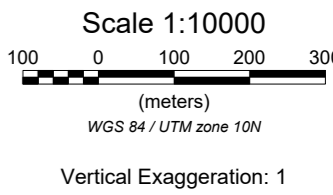
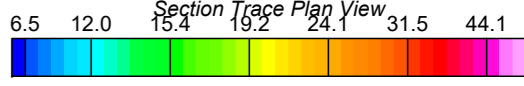
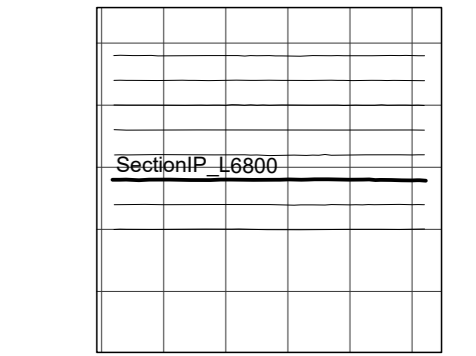
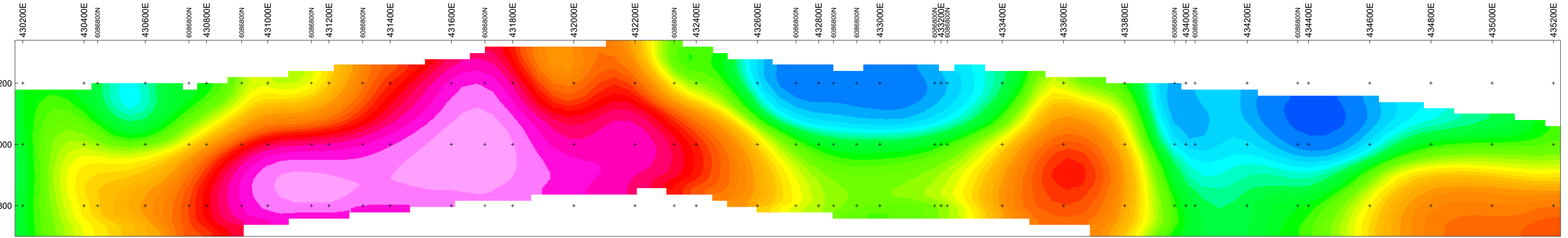
WGS 84 / UTM zone 10N

Vertical Exaggeration: 1

**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**

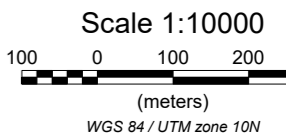
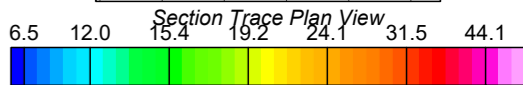
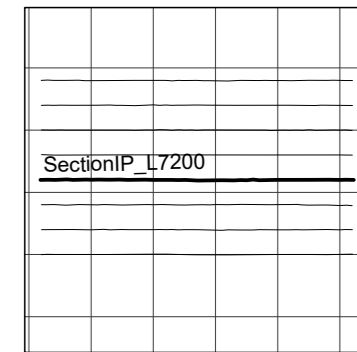
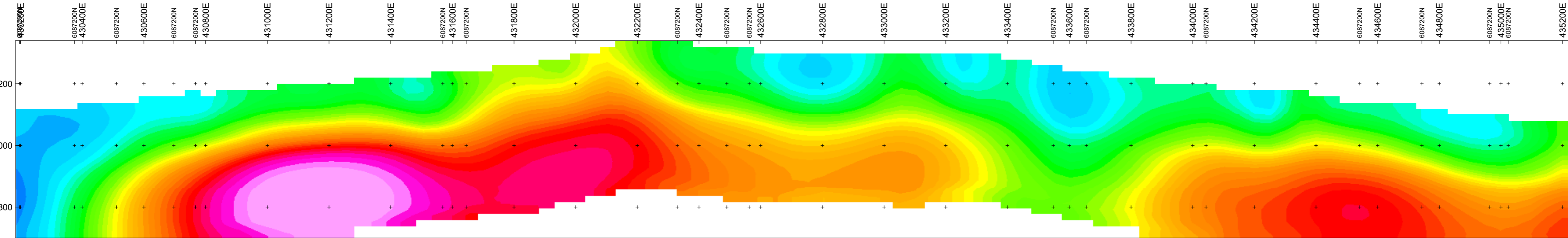
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
MAX PROPERTY, FT. ST. JAMES, B.C.

SectionIP_L6800



**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
MAX PROPERTY, FT. ST. JAMES, B.C.

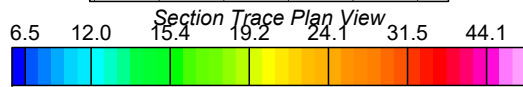
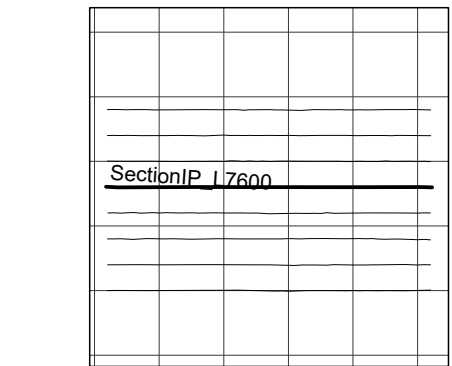
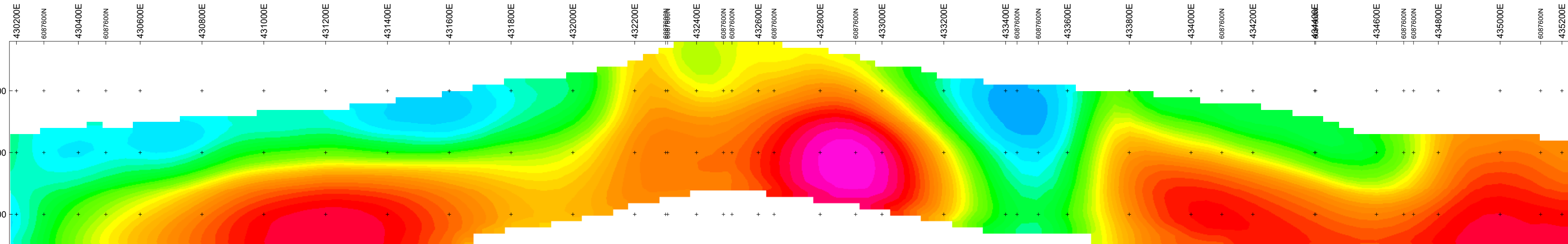
SectionIP_L7200



Vertical Exaggeration: 1

**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
MAX PROPERTY, FT. ST. JAMES, B.C.

SectionIP_L7600



Scale 1:10000



(meters)

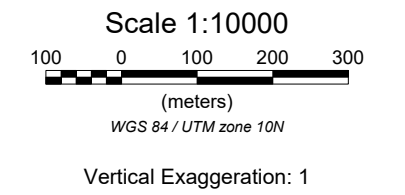
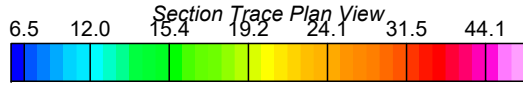
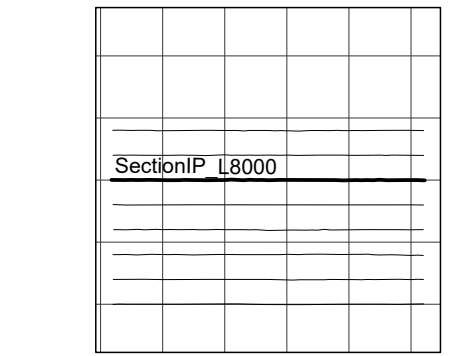
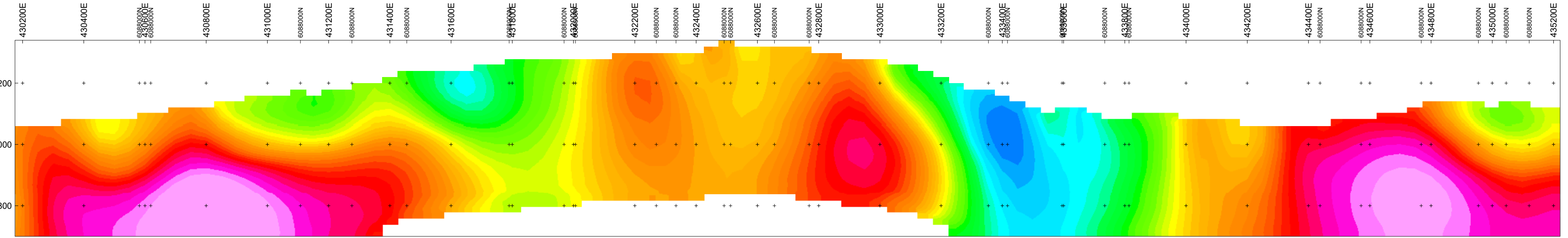
WGS 84 / UTM zone 10N

Vertical Exaggeration: 1

**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**

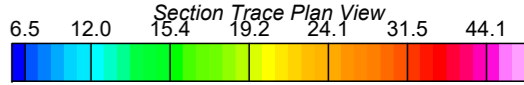
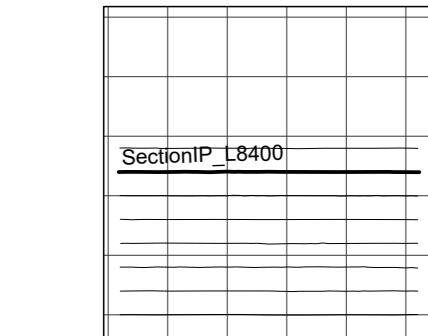
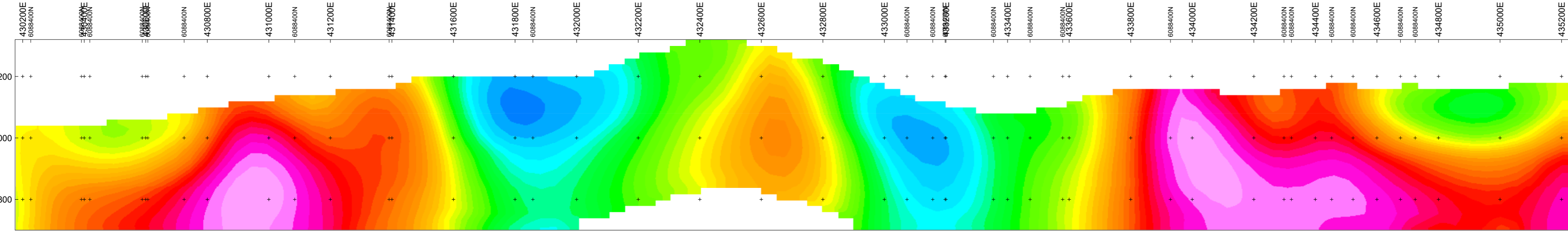
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
MAX PROPERTY, FT. ST. JAMES, B.C.

SectionIP_L8000



**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
MAX PROPERTY, FT. ST. JAMES, B.C.

SectionIP_L8400

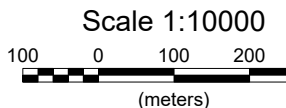
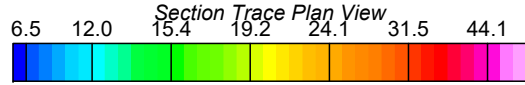
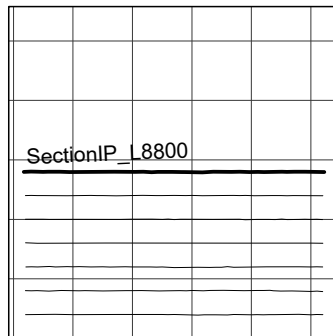
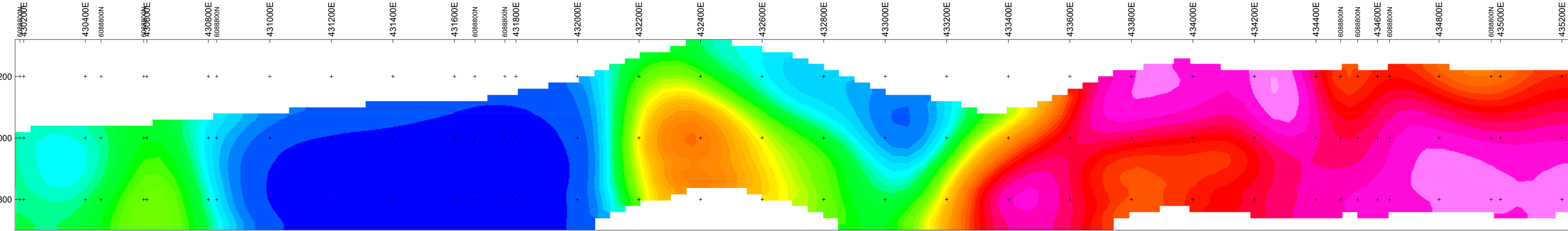


Scale 1:10000
100 0 100 200 300
(meters)
WGS 84 / UTM zone 10N
Vertical Exaggeration: 1

**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**

CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
MAX PROPERTY, FT. ST. JAMES, B.C.

SectionIP_L8800



(meters)

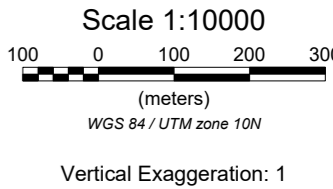
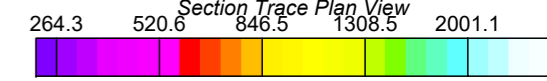
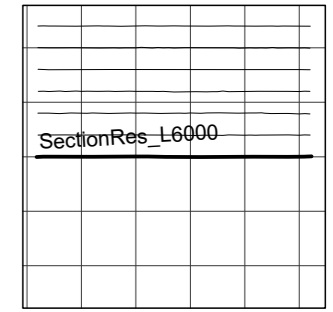
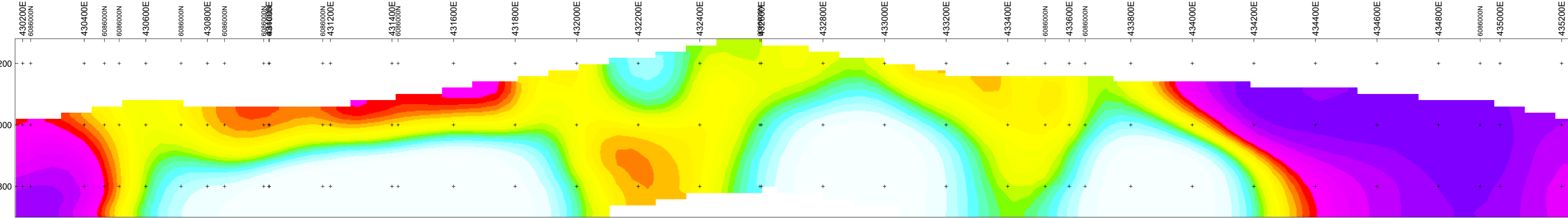
WGS 84 / UTM zone 10N

Vertical Exaggeration: 1

**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**

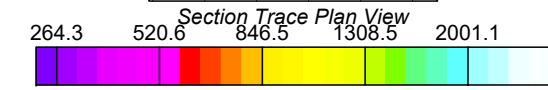
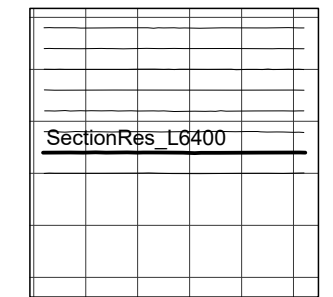
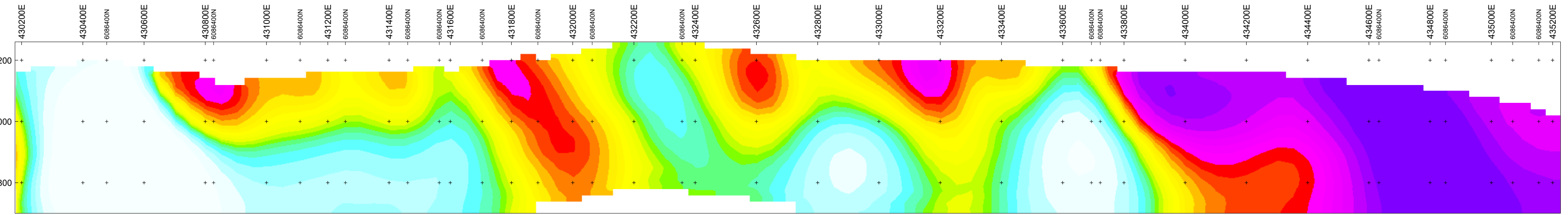
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
MAX PROPERTY, FT. ST. JAMES, B.C.

SectionRes_L6000

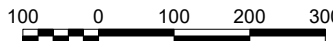


**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**
CONTOURS OF 3D MODELLED RESISTIVITY (OHM-M)
MAX PROPERTY, FT. ST. JAMES, B.C.

SectionRes_L6400



Scale 1:10000



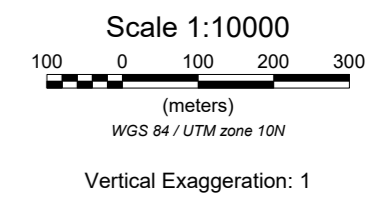
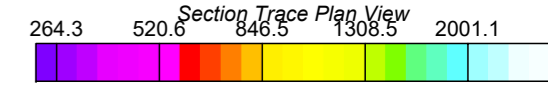
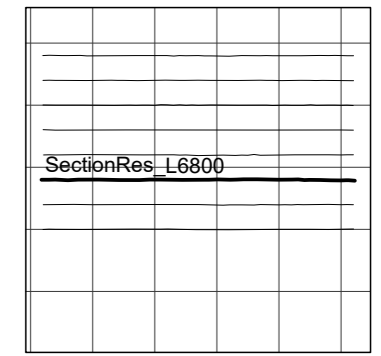
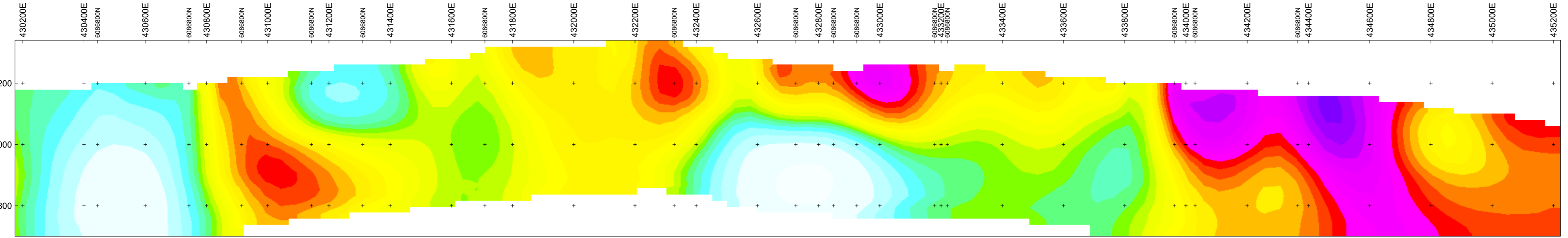
(meters)

WGS 84 / UTM zone 10N

Vertical Exaggeration: 1

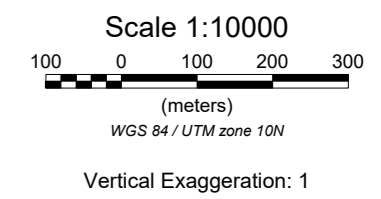
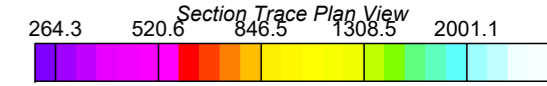
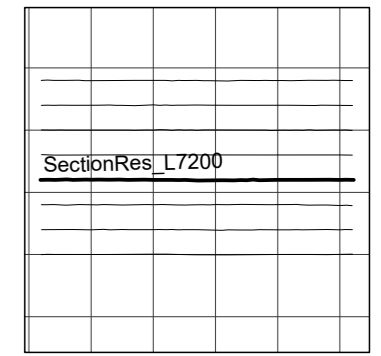
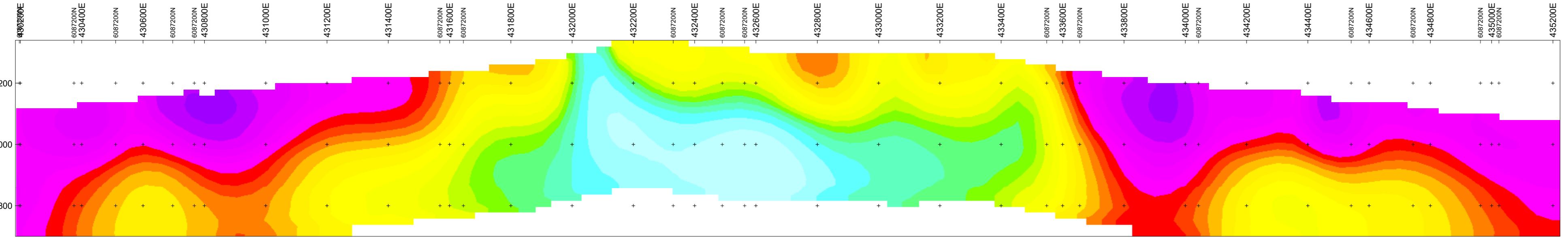
**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**
CONTOURS OF 3D MODELLED RESISTIVITY (OHM-M)
MAX PROPERTY, FT. ST. JAMES, B.C.

SectionRes_L6800



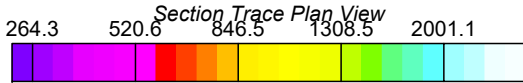
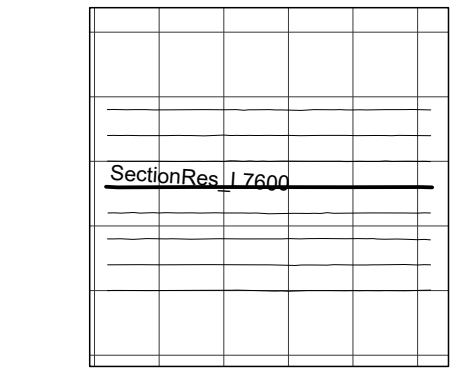
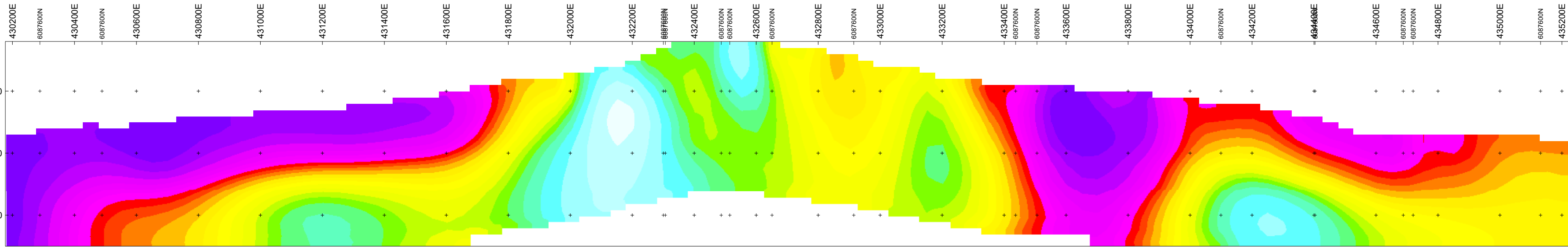
**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**
CONTOURS OF 3D MODELLED RESISTIVITY (OHM-M)
MAX PROPERTY, FT. ST. JAMES, B.C.

SectionRes_L7200



**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**
CONTOURS OF 3D MODELLED RESISTIVITY (OHM-M)
MAX PROPERTY, FT. ST. JAMES, B.C.

SectionRes_L7600



Scale 1:10000



(meters)

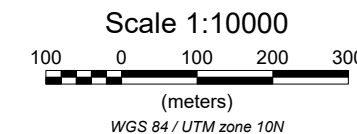
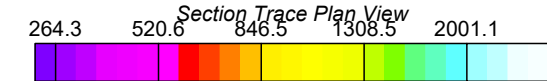
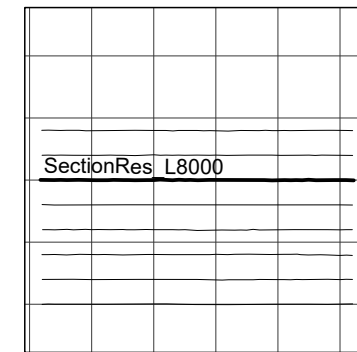
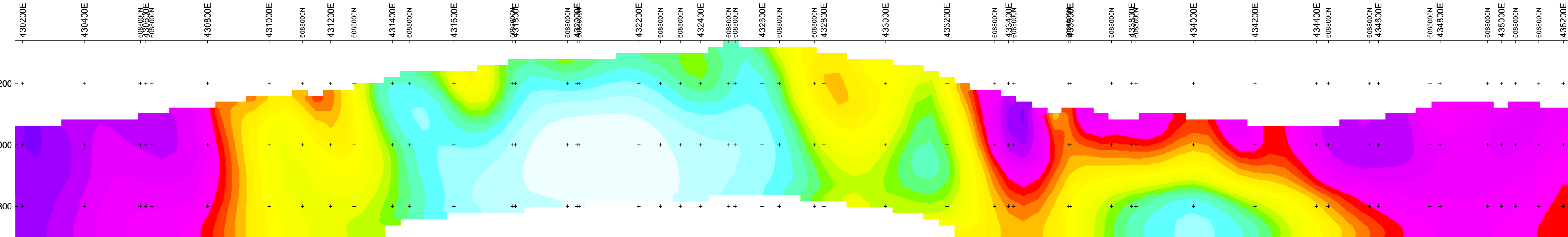
WGS 84 / UTM zone 10N

Vertical Exaggeration: 1

**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**

CONTOURS OF 3D MODELLED RESISTIVITY (OHM-M)
MAX PROPERTY, FT. ST. JAMES, B.C.

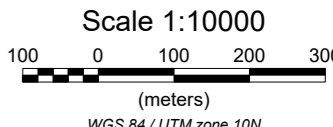
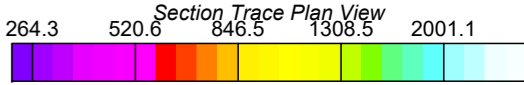
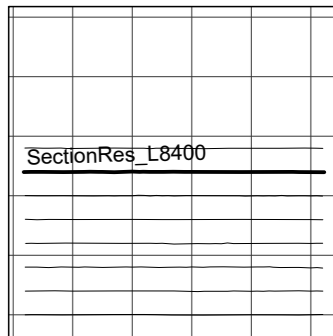
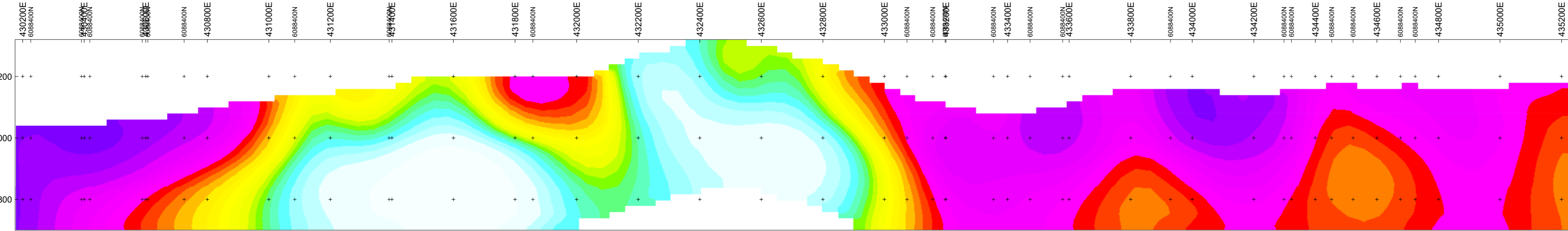
SectionRes_L8000



**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**

CONTOURS OF 3D MODELLED RESISTIVITY (OHM-M)
MAX PROPERTY, FT. ST. JAMES, B.C.

SectionRes_L8400

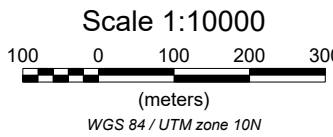
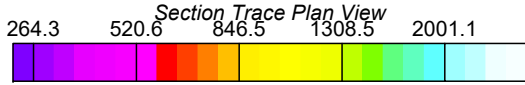
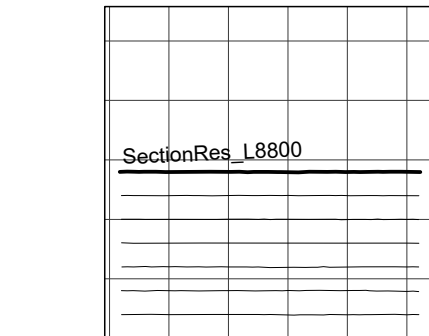
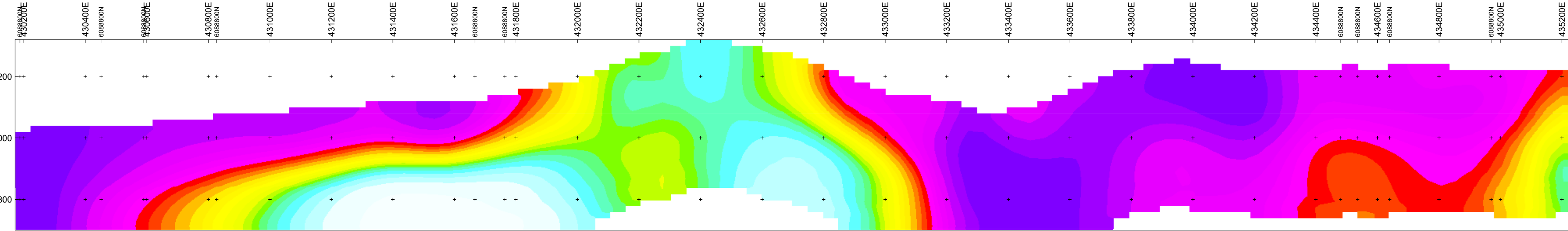


Vertical Exaggeration: 1

**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**

CONTOURS OF 3D MODELLED RESISTIVITY (OHM-M)
MAX PROPERTY, FT. ST. JAMES, B.C.

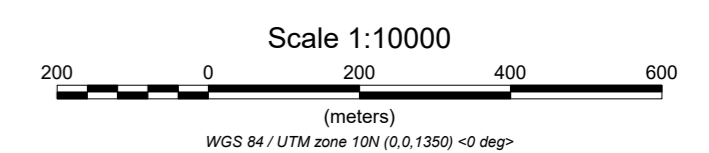
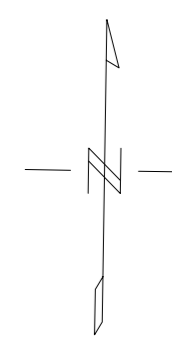
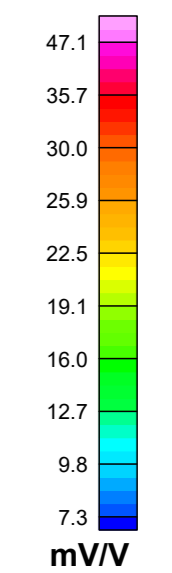
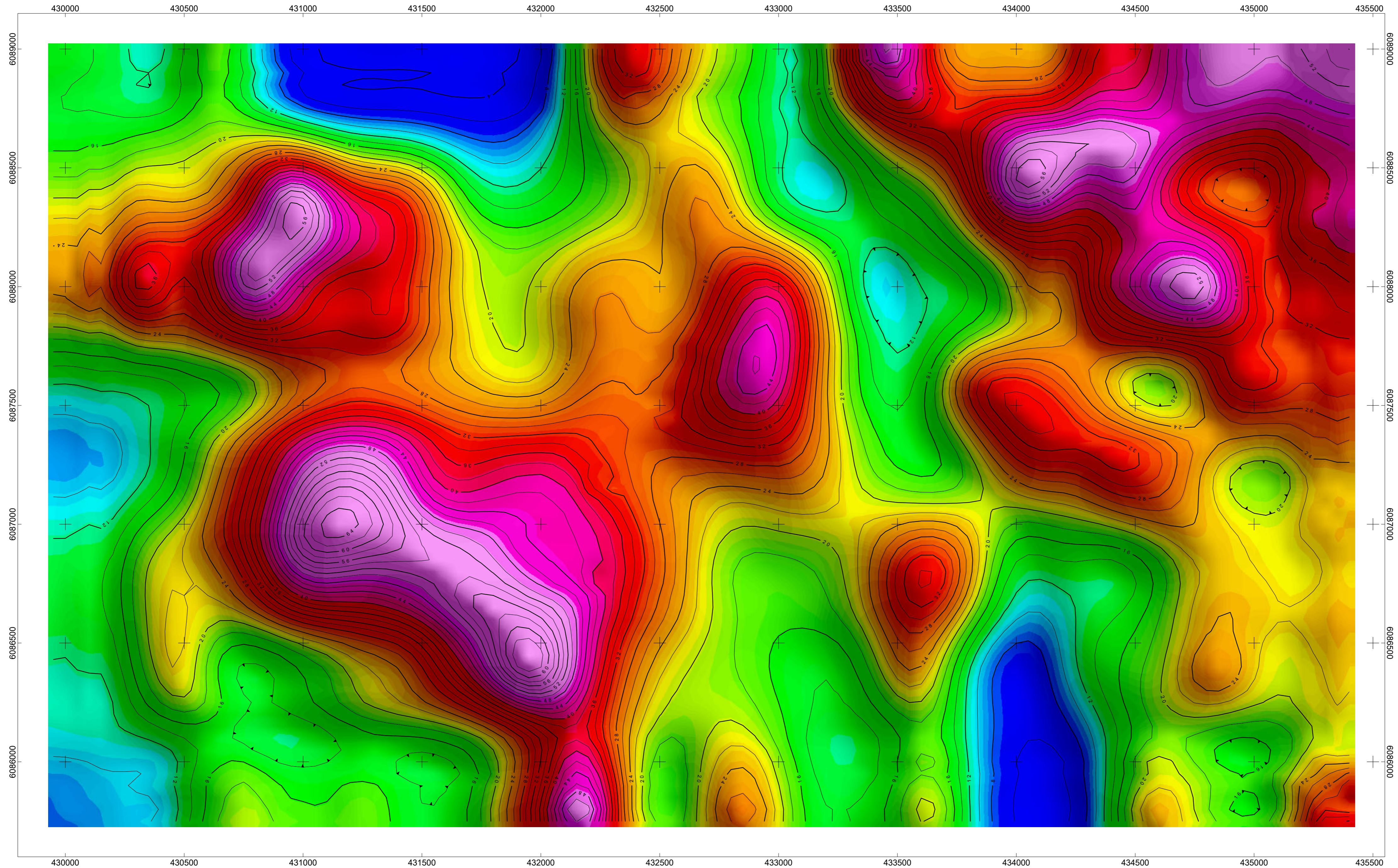
SectionRes_L8800



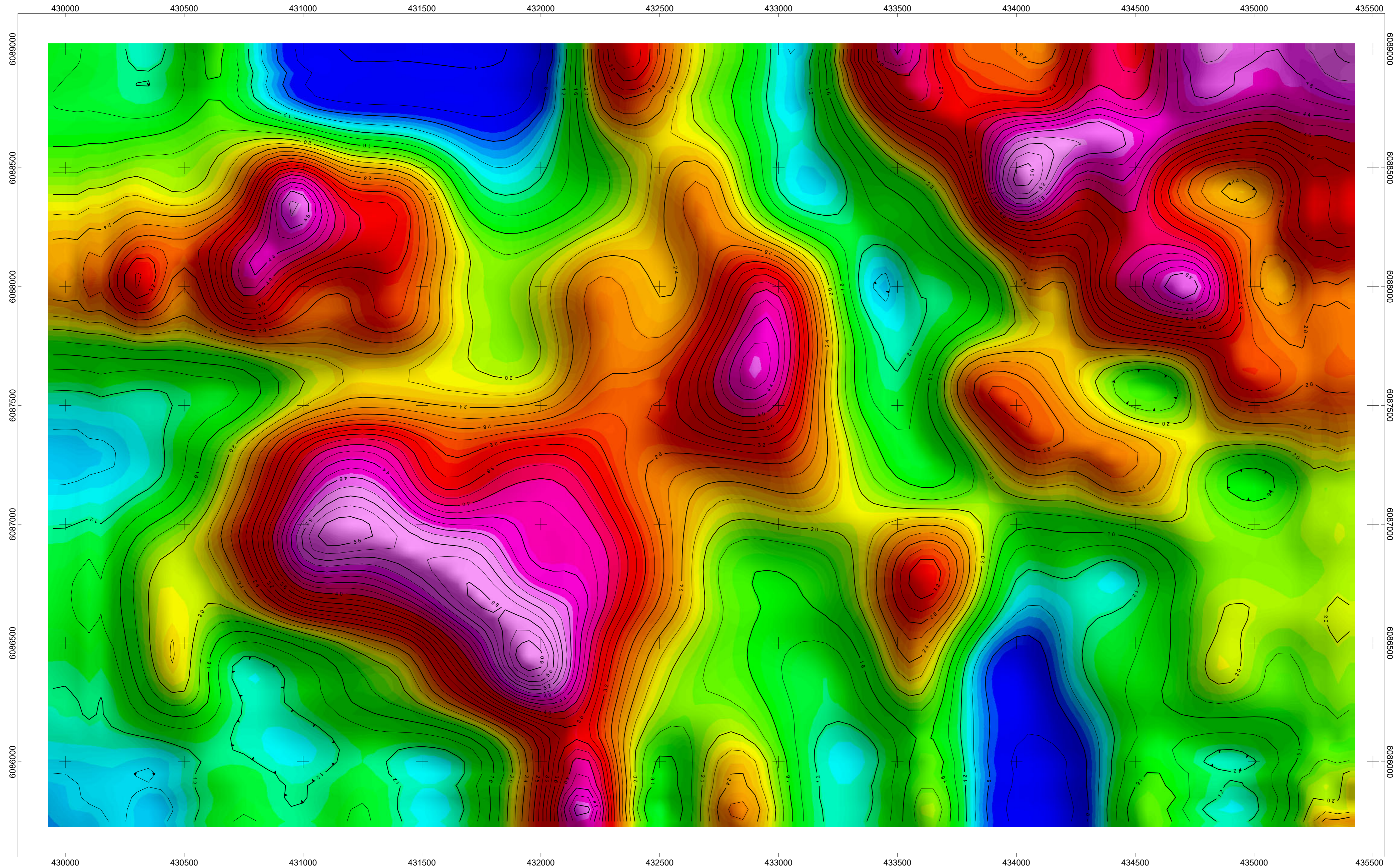
Vertical Exaggeration: 1

**THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY**

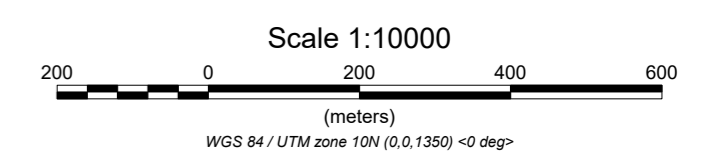
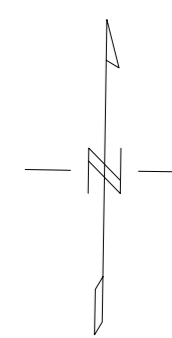
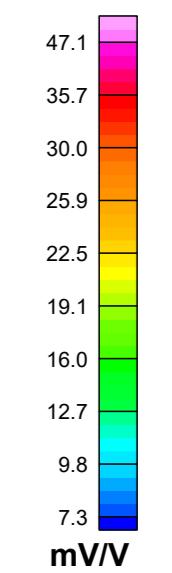
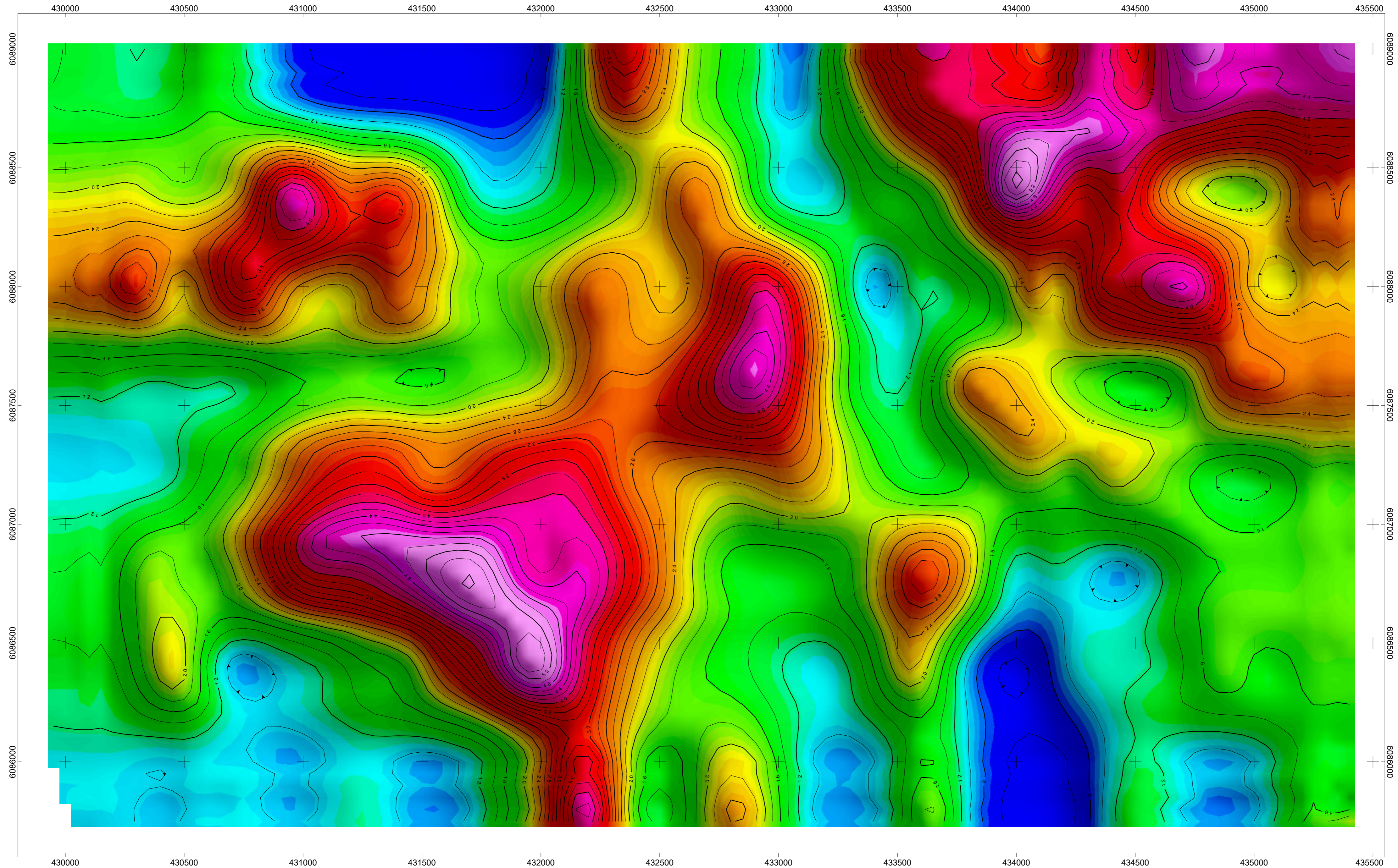
CONTOURS OF 3D MODELLED RESISTIVITY (OHM-M)
MAX PROPERTY, FT. ST. JAMES, B.C.



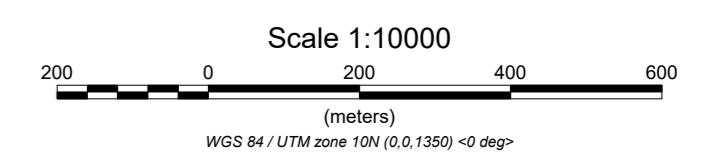
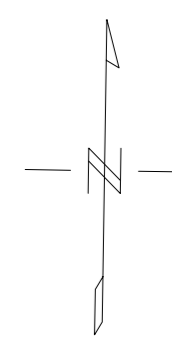
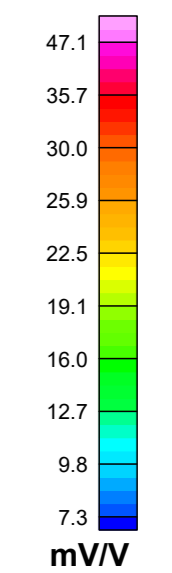
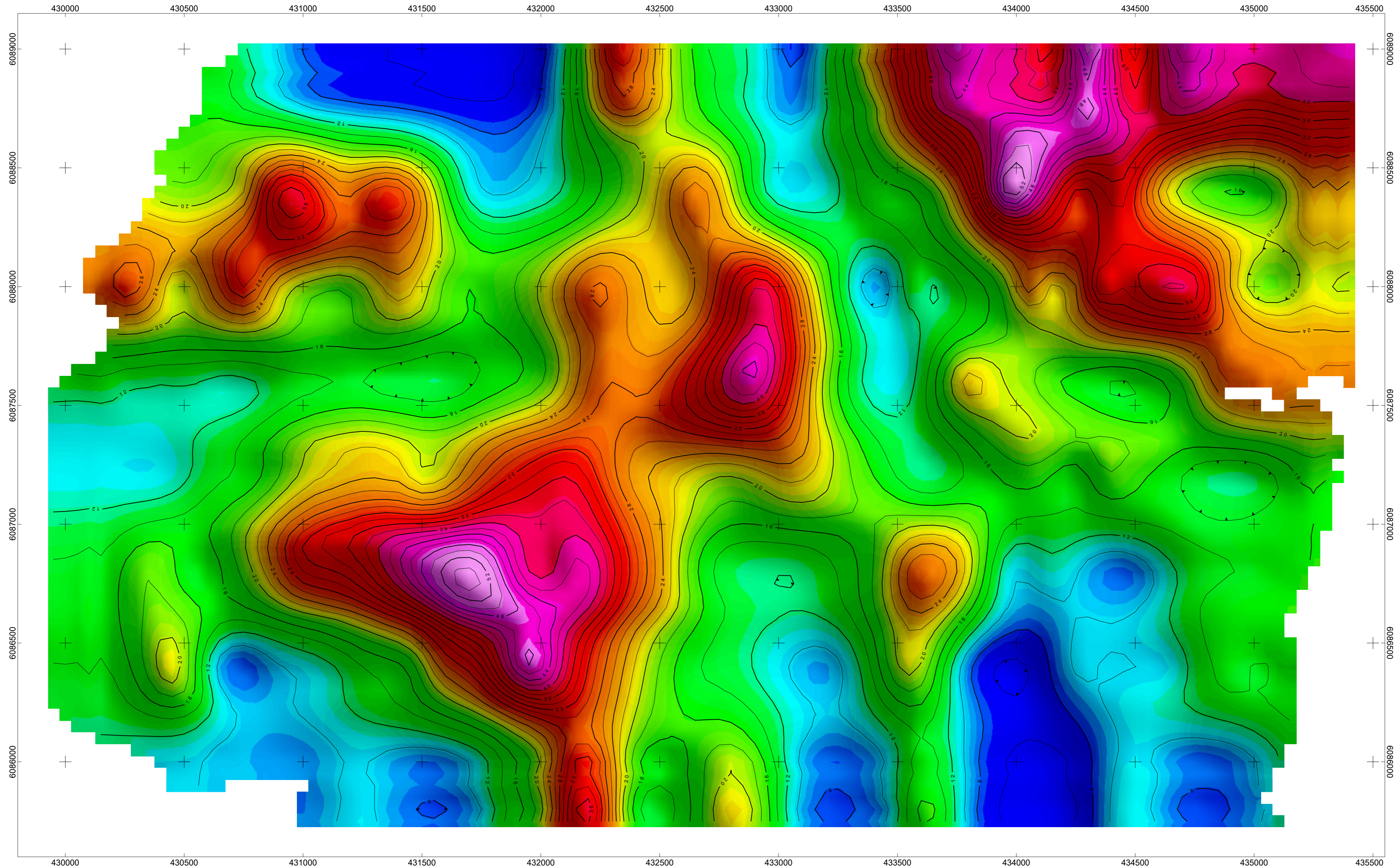
THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
LEVEL 900 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



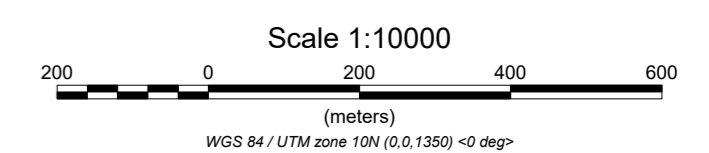
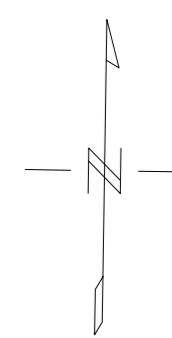
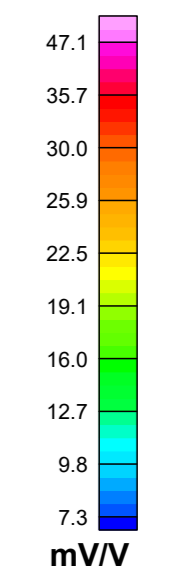
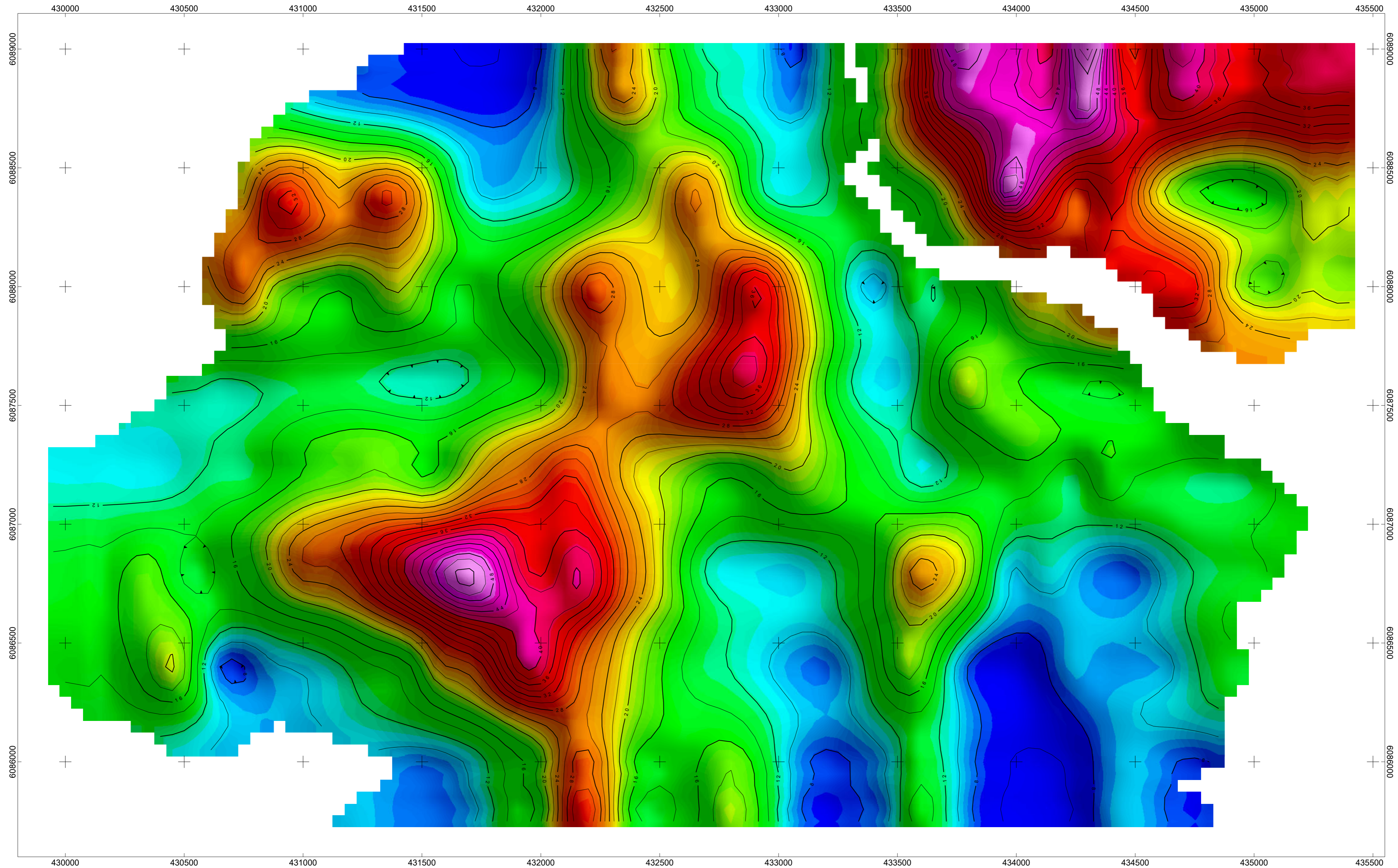
THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
LEVEL 950 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



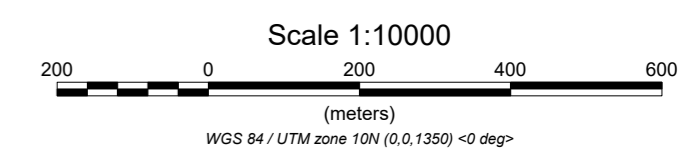
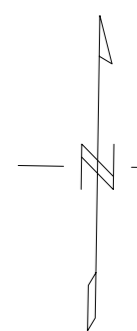
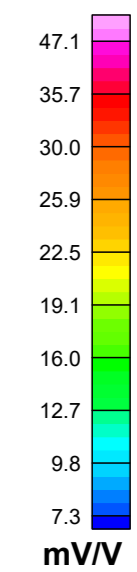
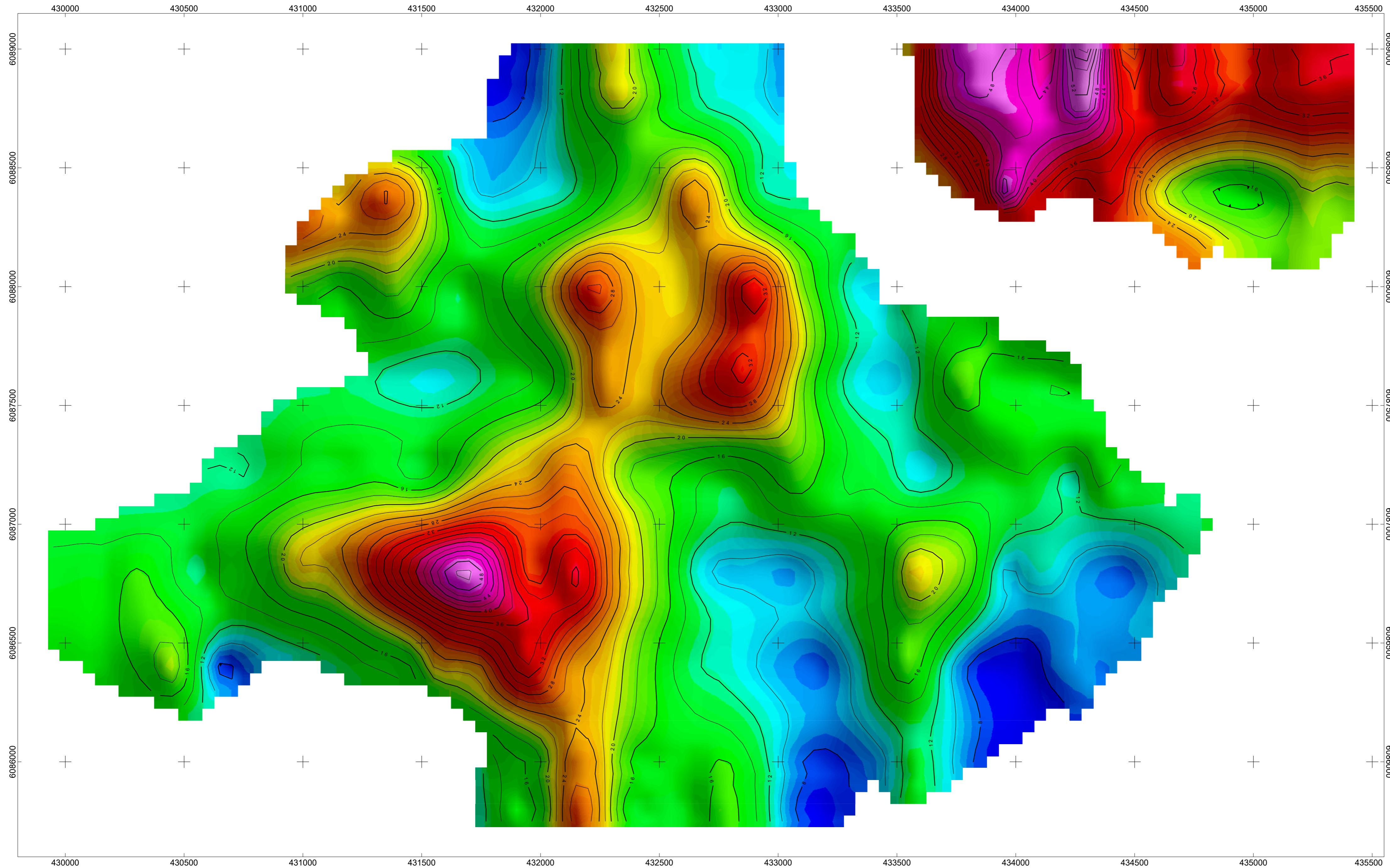
THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
LEVEL 1000 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



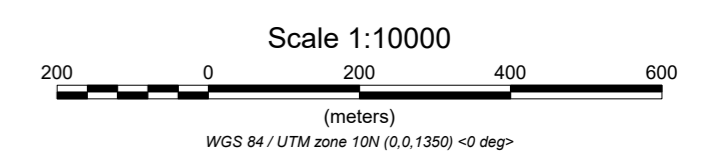
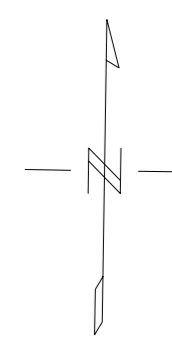
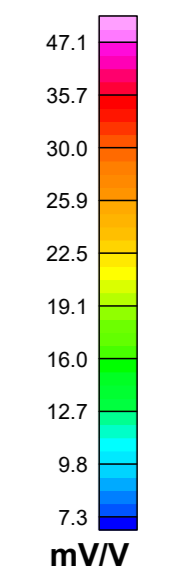
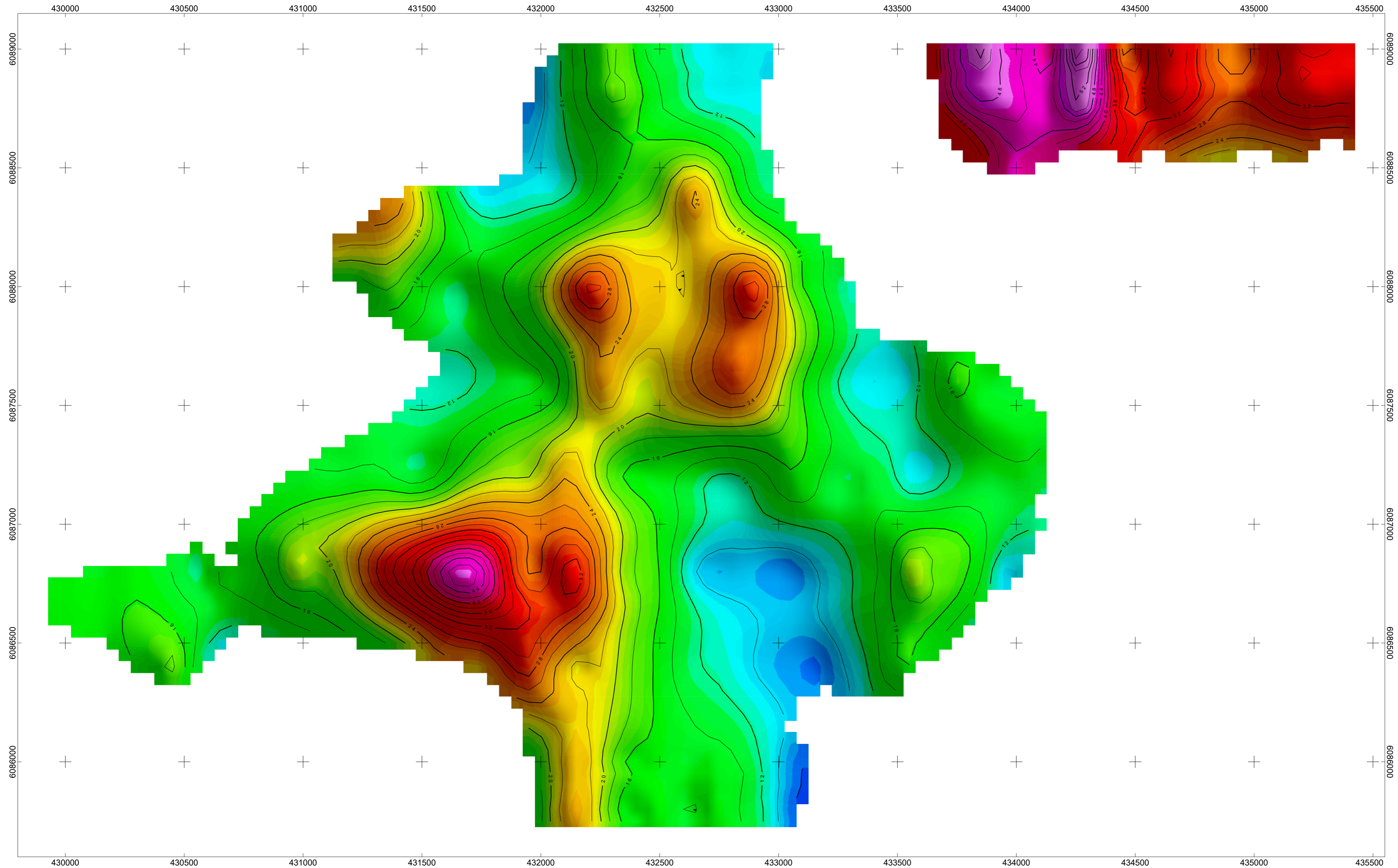
THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
LEVEL 1050 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



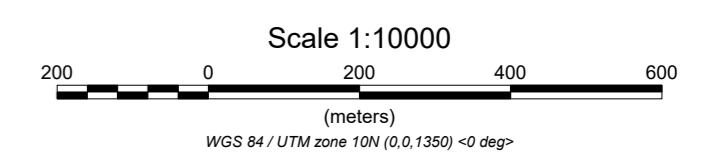
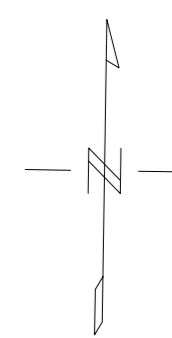
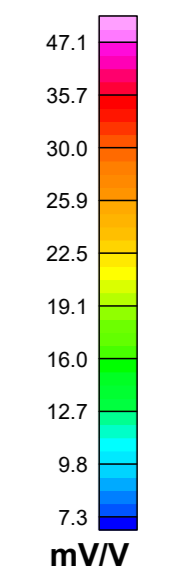
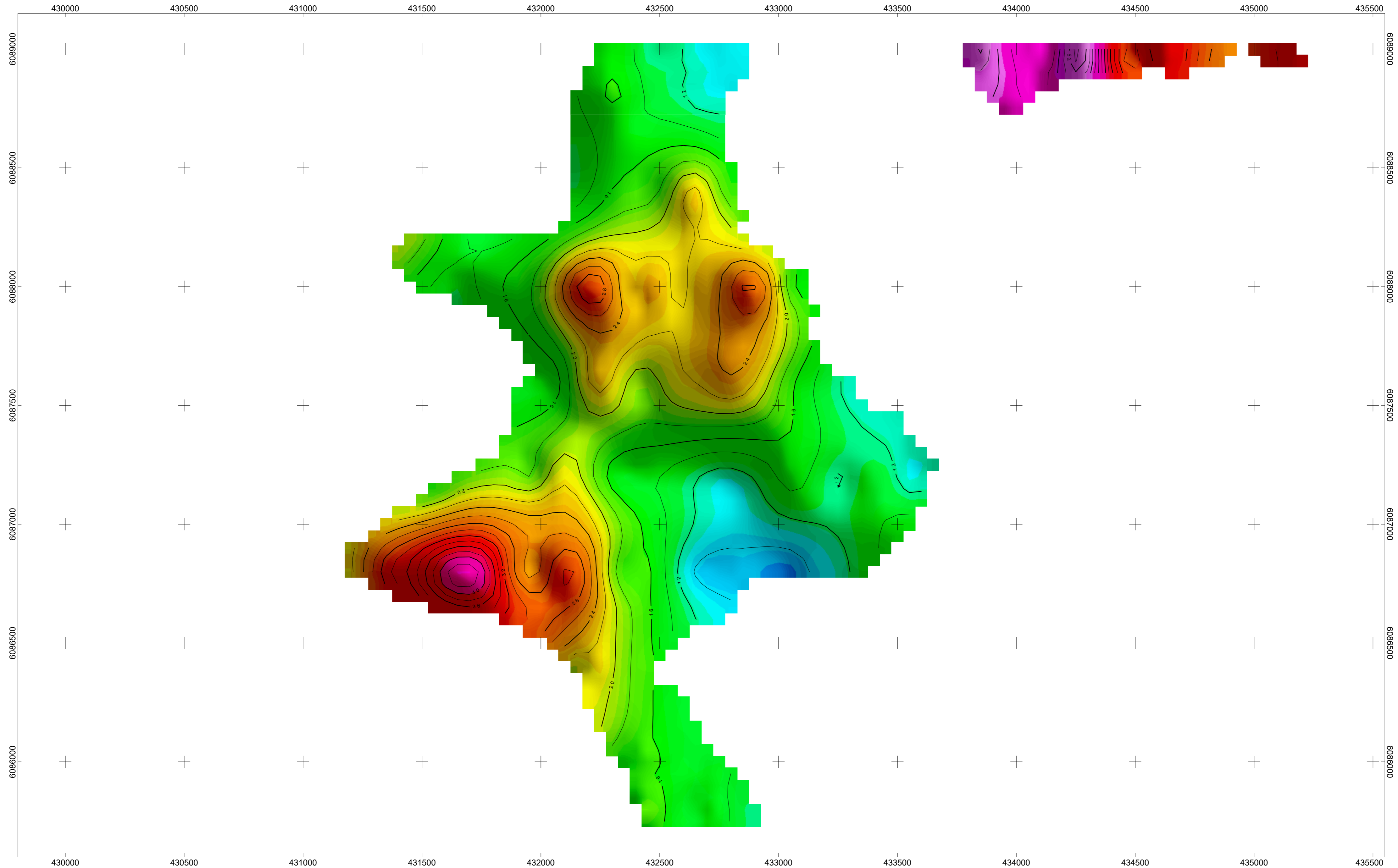
THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
LEVEL 1100 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



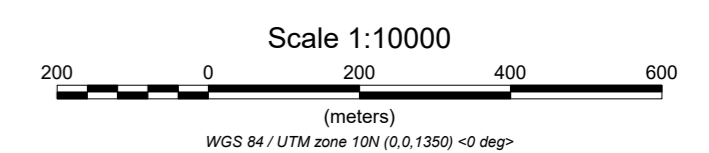
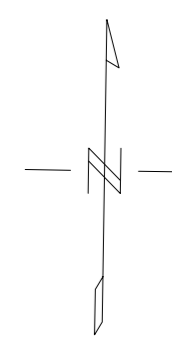
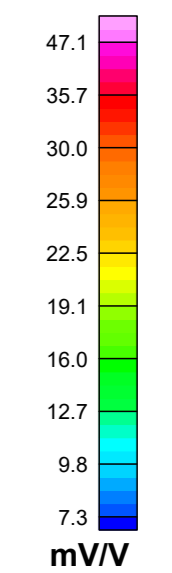
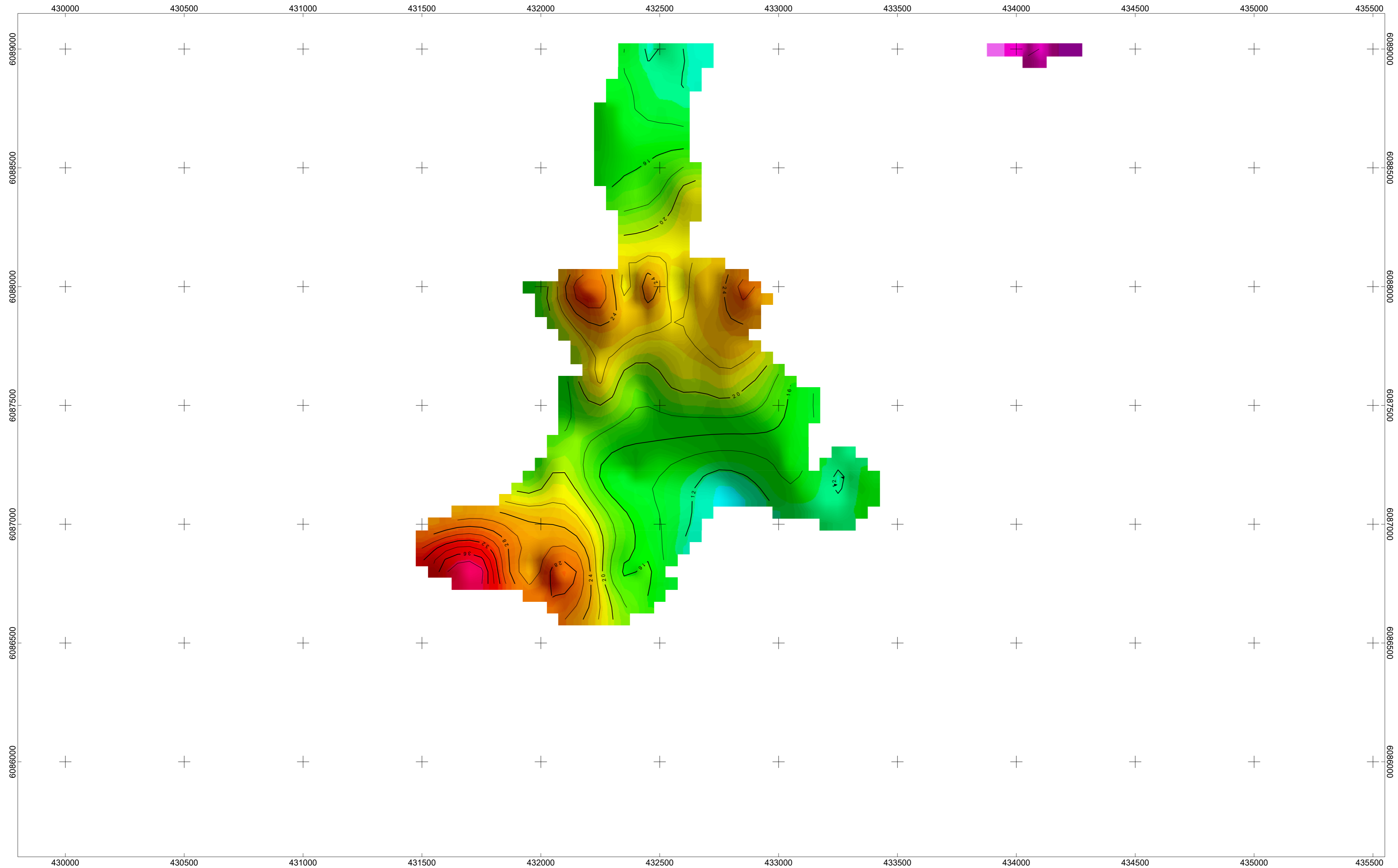
THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
LEVEL 1150 M
MAX PROPERTY
FT. ST. JAMES AREA,
BRITISH COLUMBIA
FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



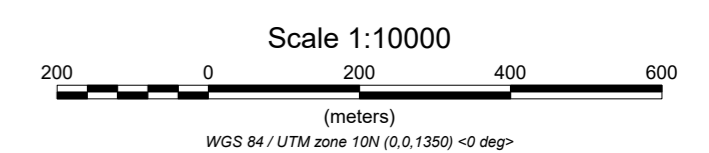
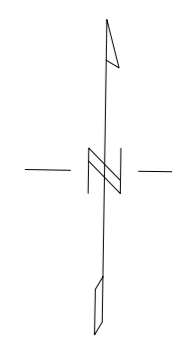
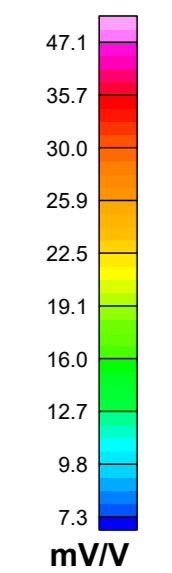
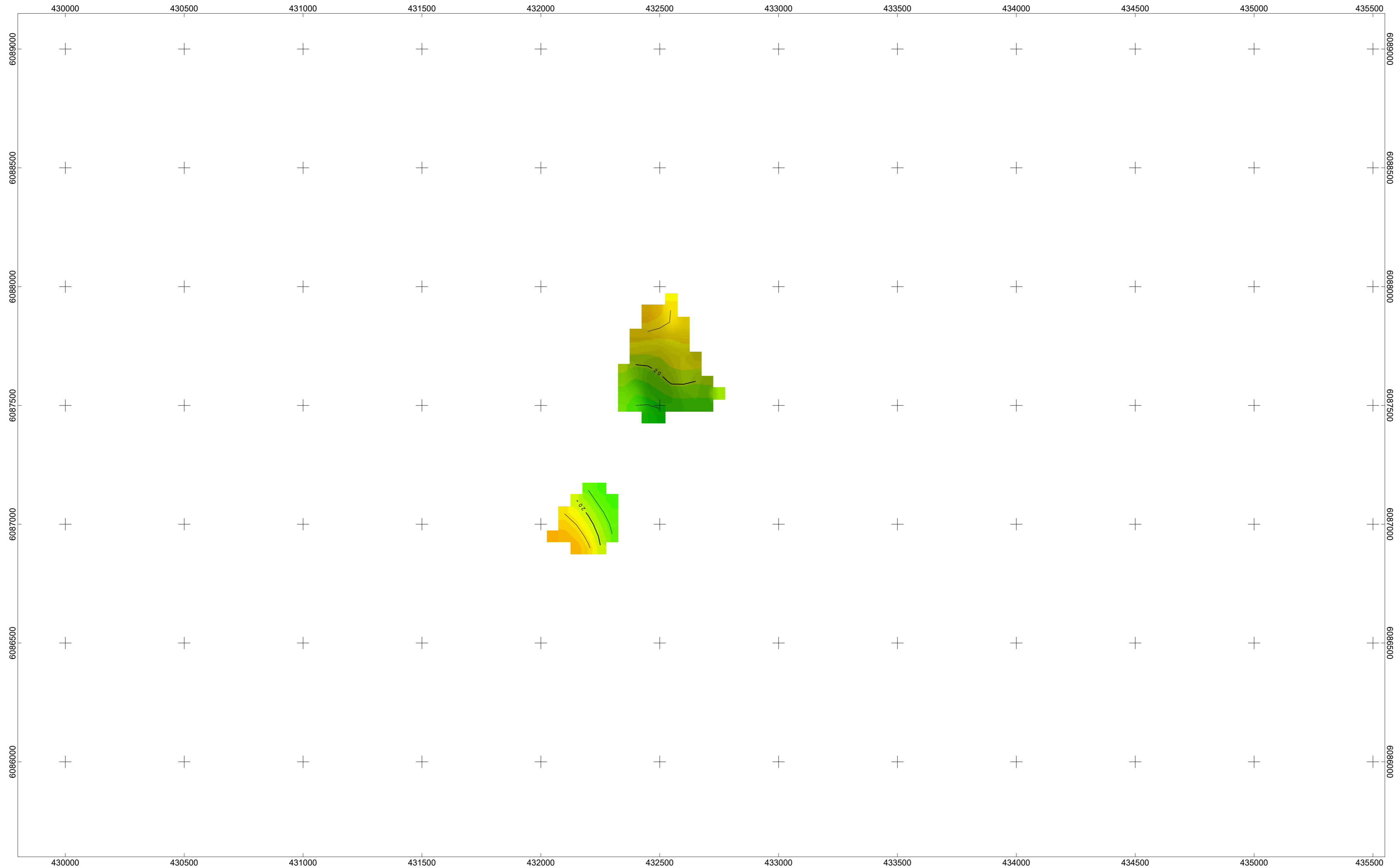
THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
LEVEL 1200 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
LEVEL 1250 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
LEVEL 1300 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED

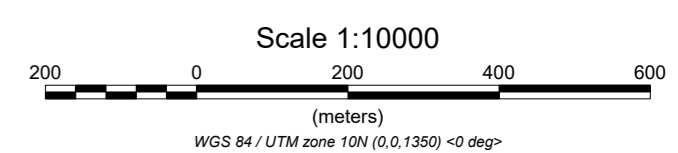
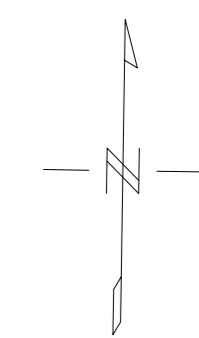
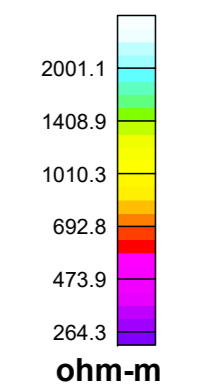
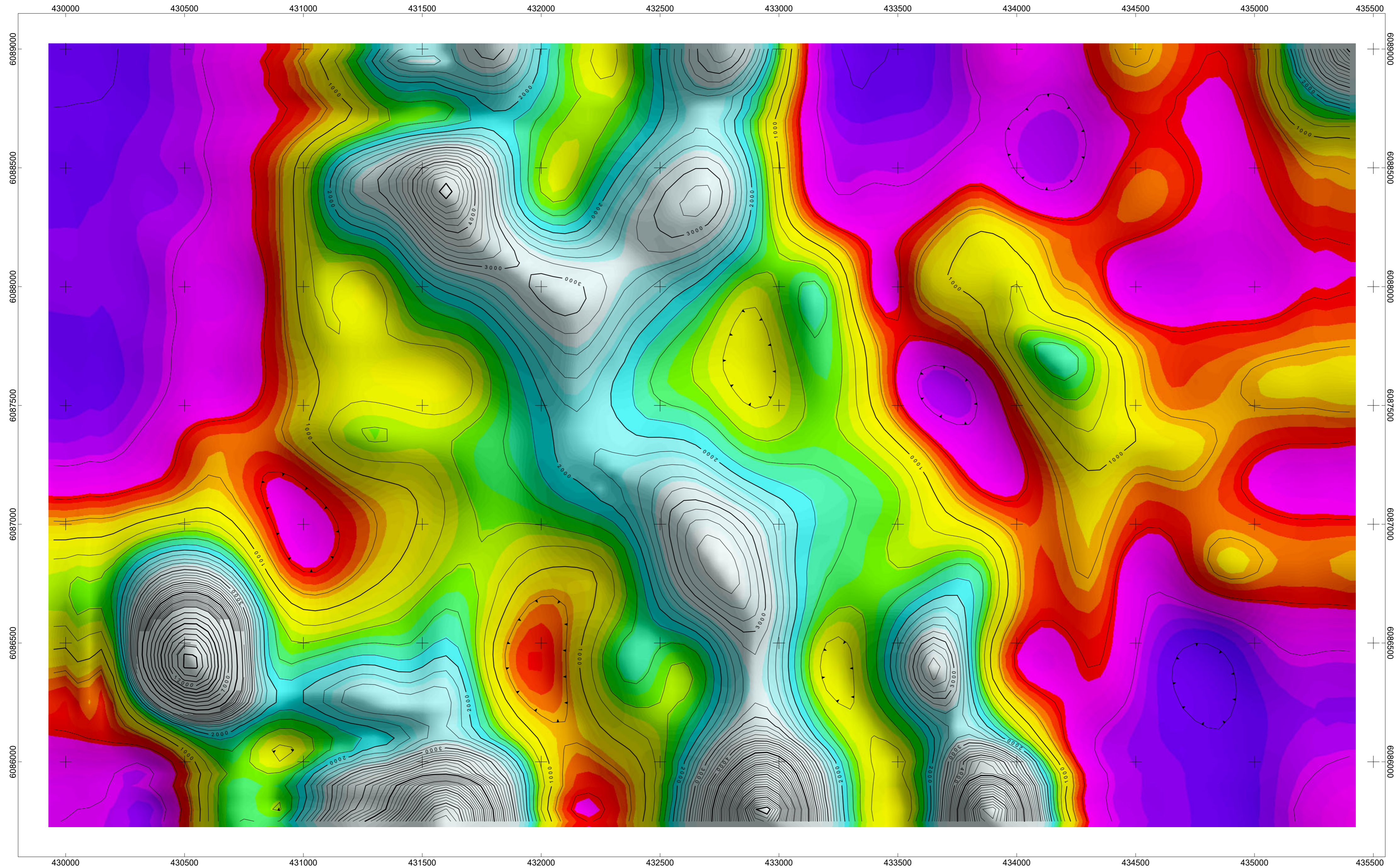


THOMPSON CREEK METALS INC.

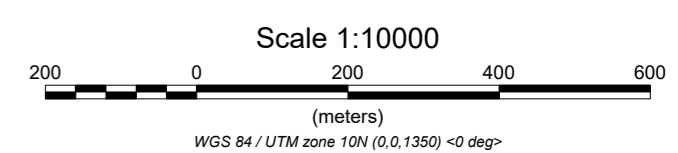
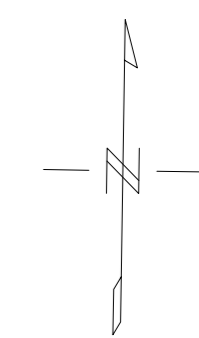
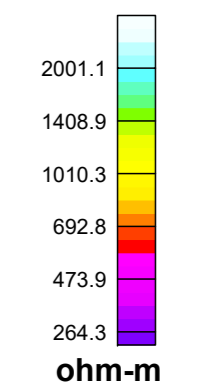
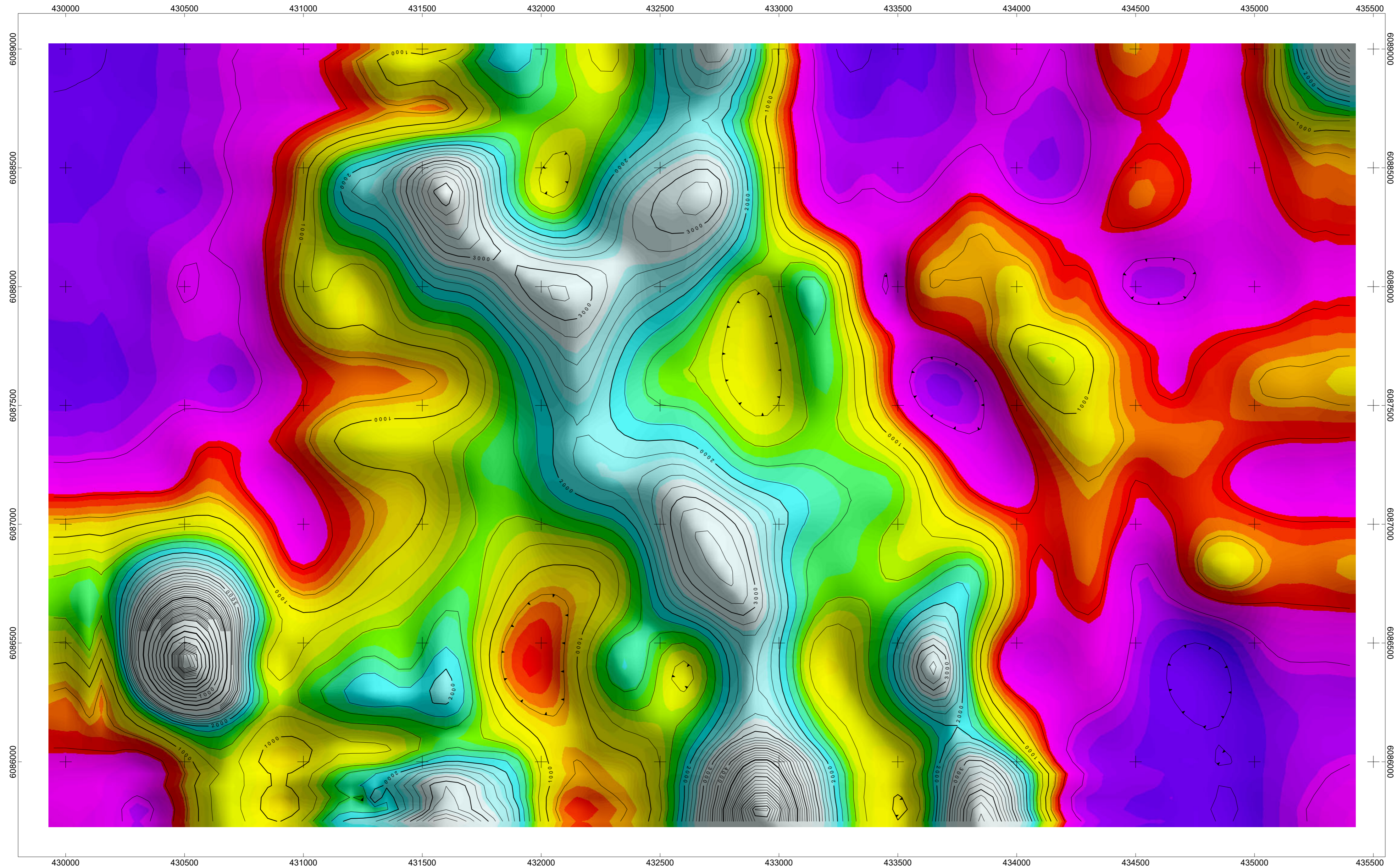
**INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED CHARGEABILITY (mV/V)
LEVEL 1350 M**

MAX PROPERTY
FT. ST. JAMES AREA,
BRITISH COLUMBIA
FALL 2019

PETER E. WALCOTT & ASSOCIATES LIMITED



THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED RESISTIVITY (ohm-m)
LEVEL 900 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED

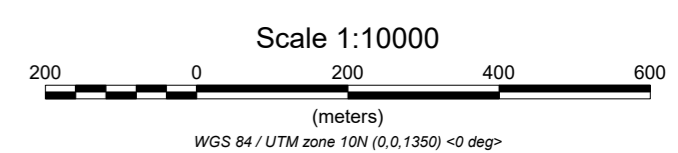
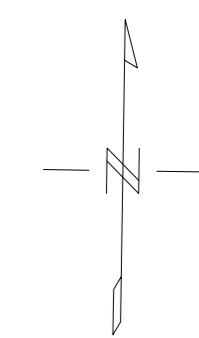
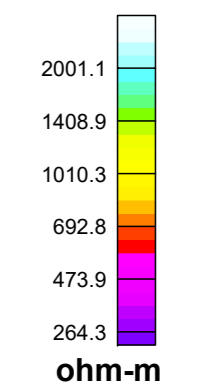
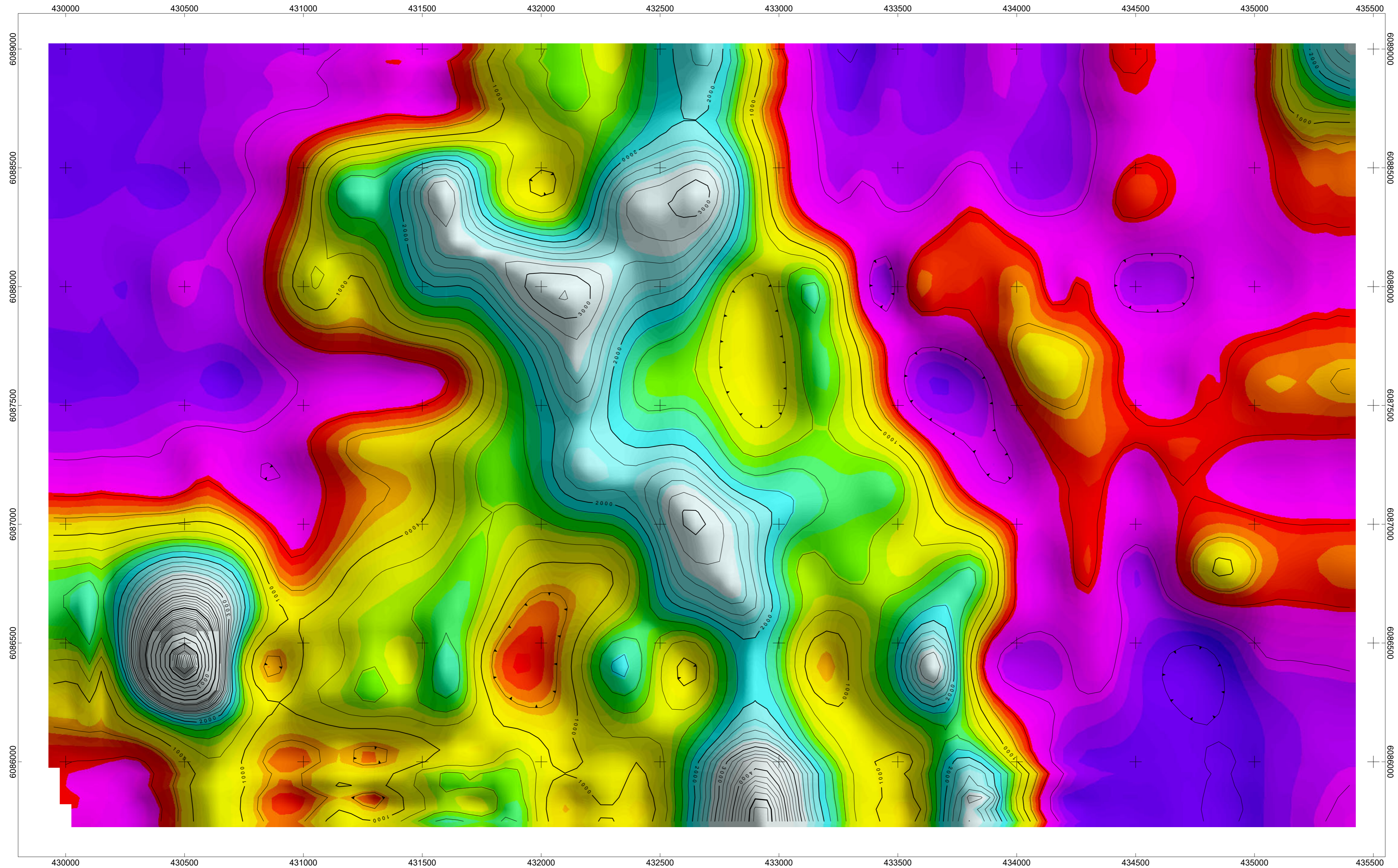


WGS 84 / UTM zone 10N (0.0,1350) <0 deg>

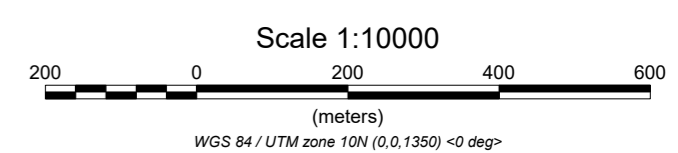
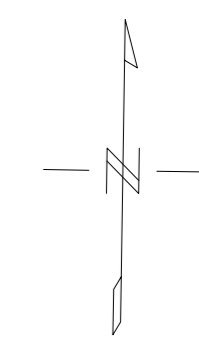
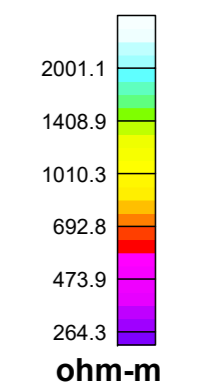
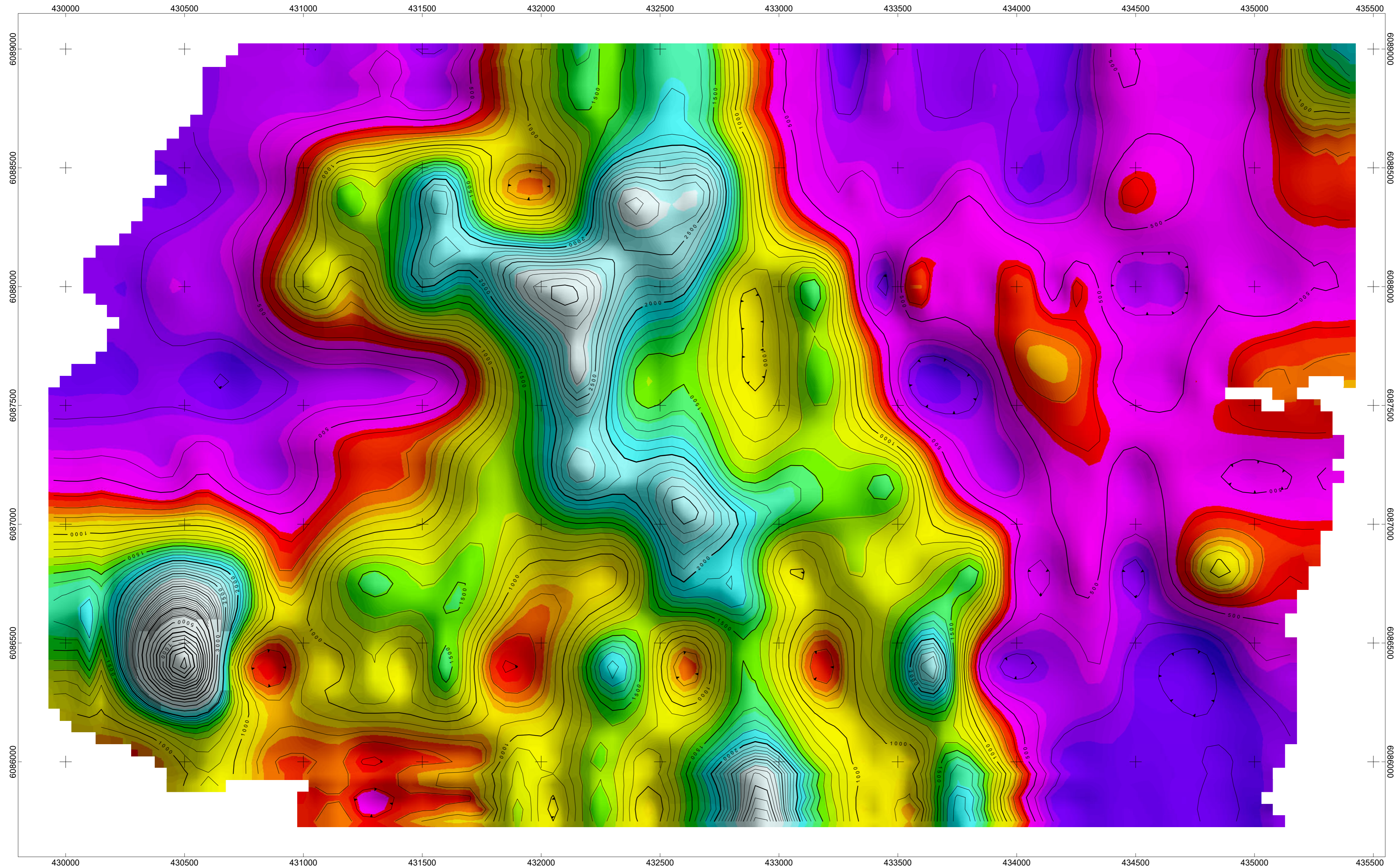
THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED RESISTIVITY (ohm-m)
LEVEL 950 M

MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019

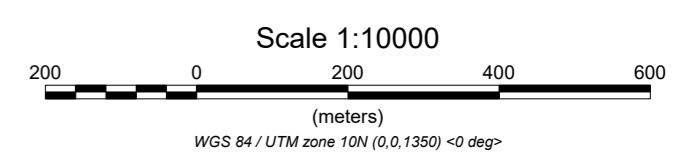
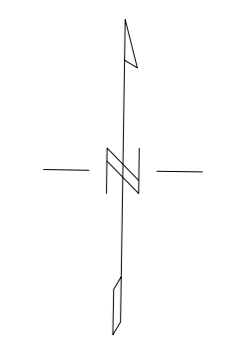
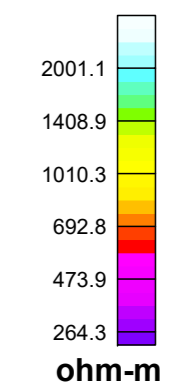
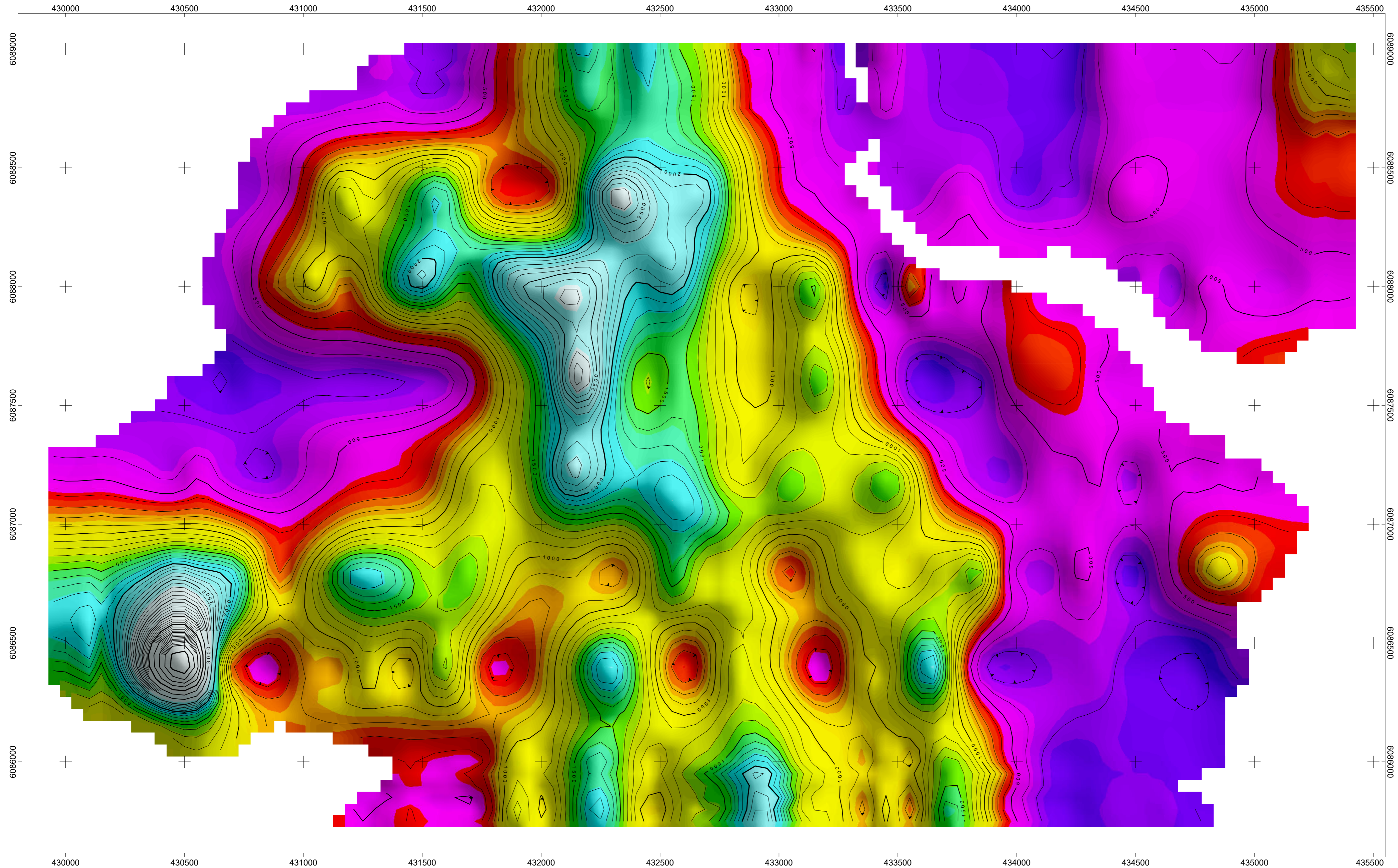
PETER E. WALCOTT & ASSOCIATES LIMITED



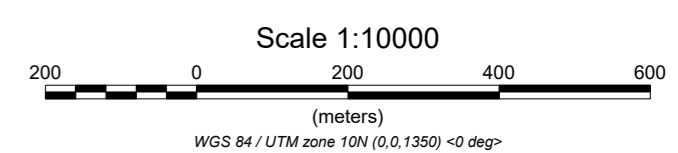
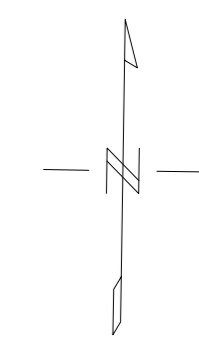
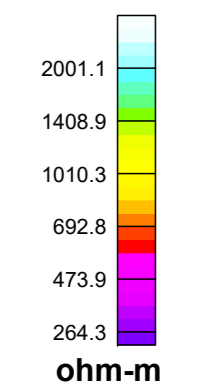
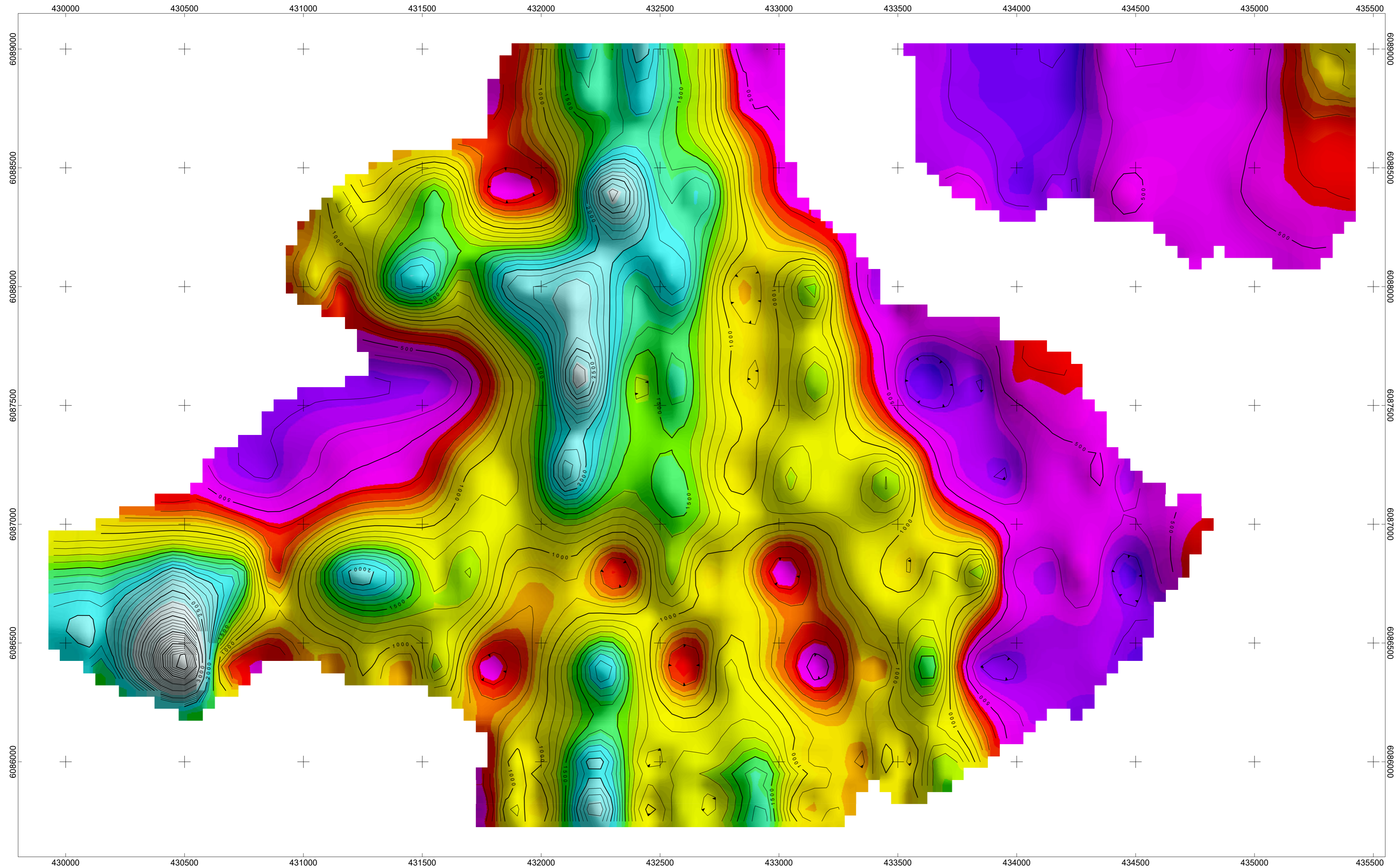
THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED RESISTIVITY (ohm-m)
LEVEL 1000 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



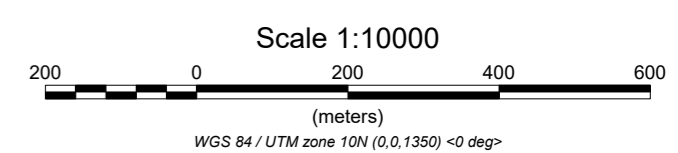
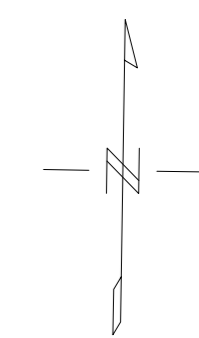
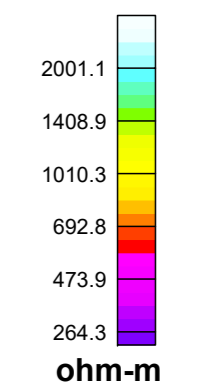
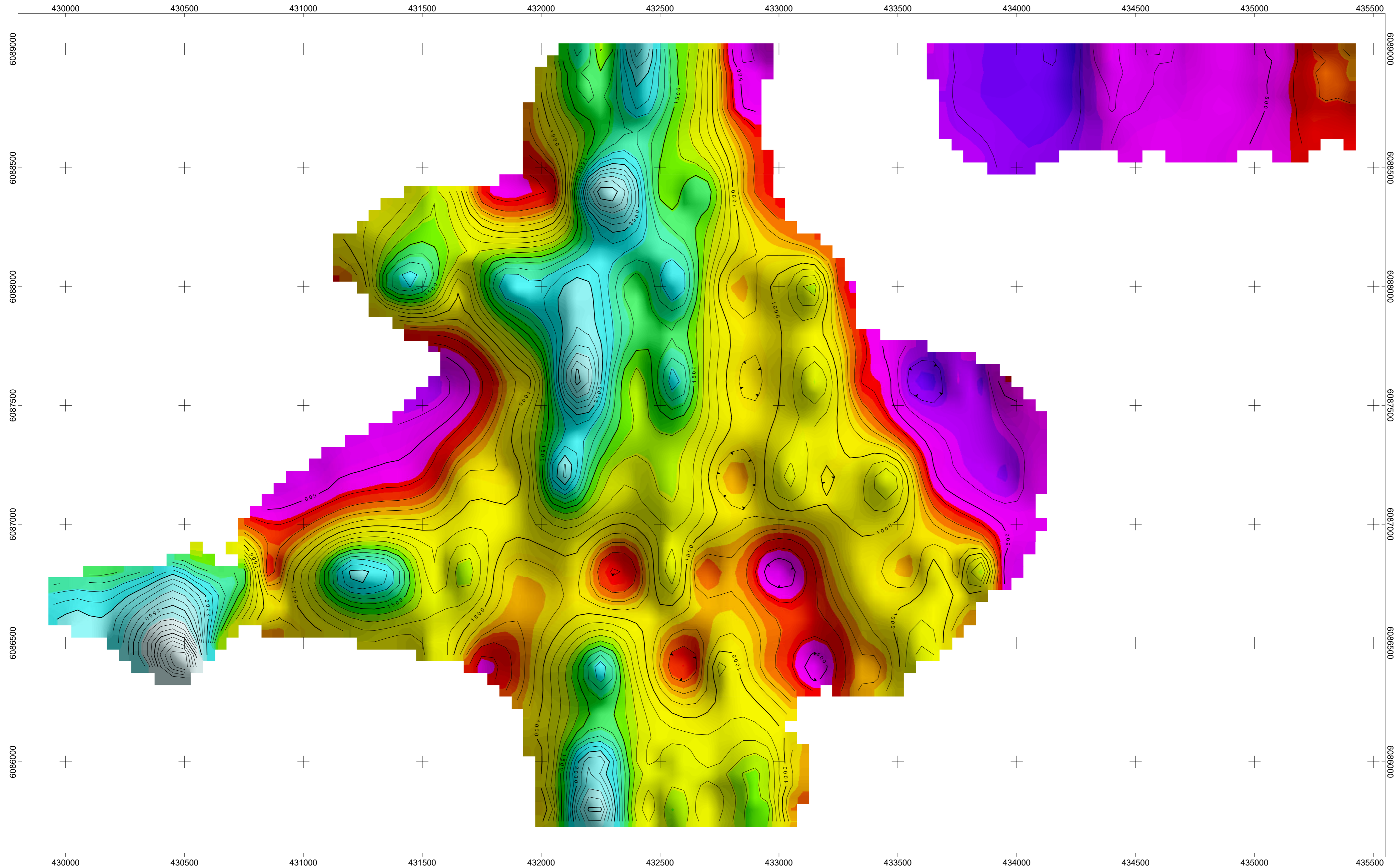
THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED RESISTIVITY (ohm-m)
LEVEL 1050 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



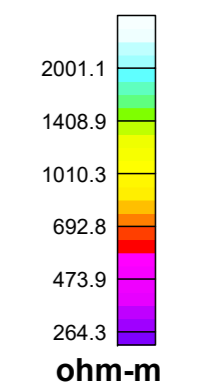
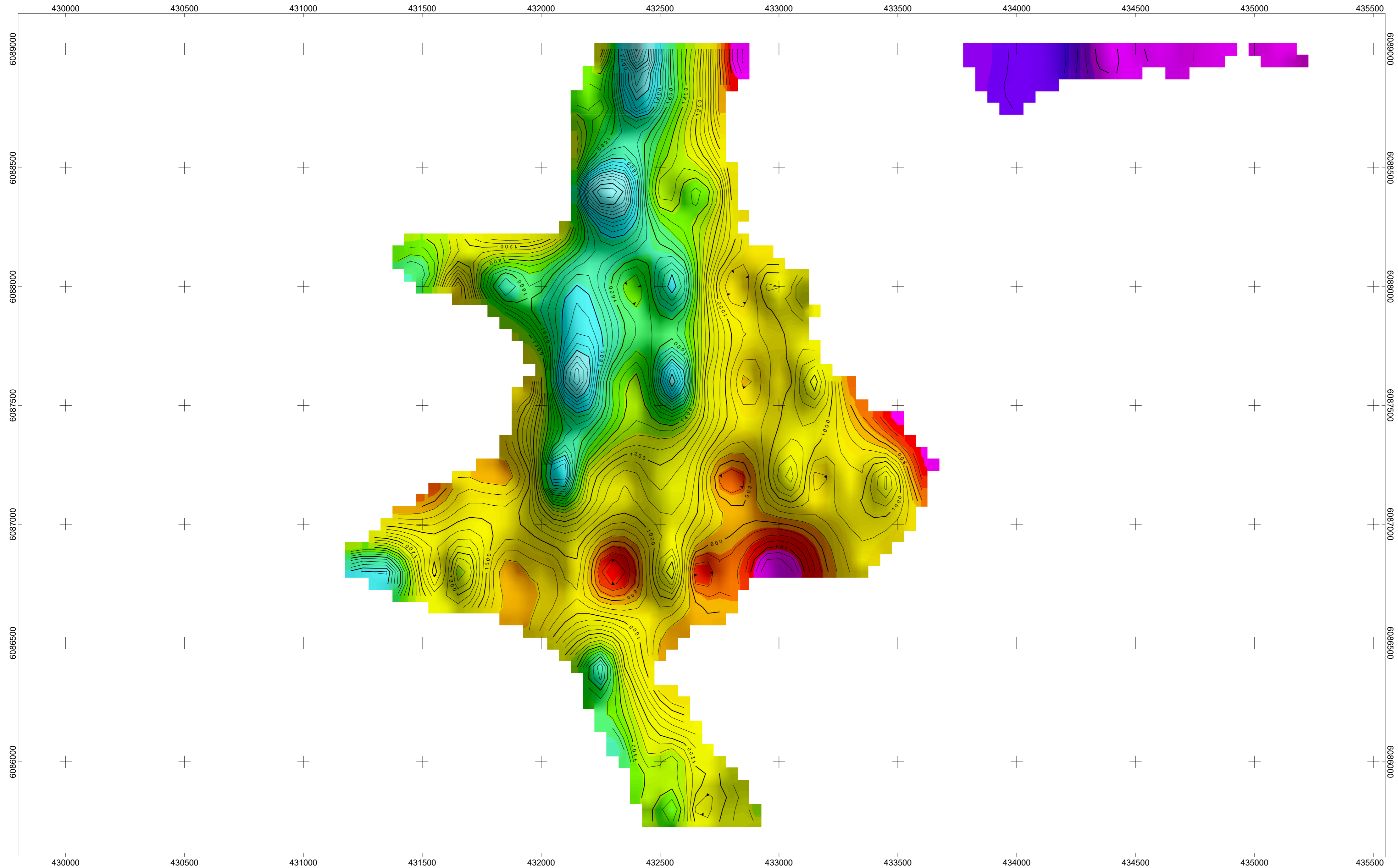
THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED RESISTIVITY (ohm-m)
LEVEL 1100 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



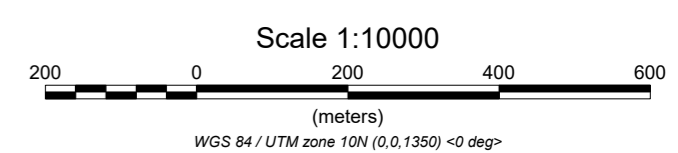
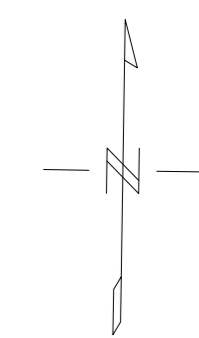
THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED RESISTIVITY (ohm-m)
LEVEL 1150 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED RESISTIVITY (ohm-m)
LEVEL 1200 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED

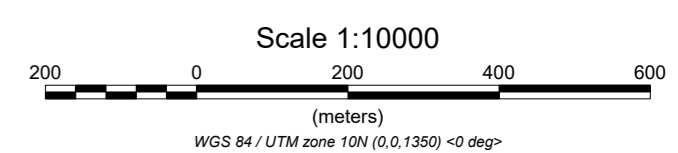
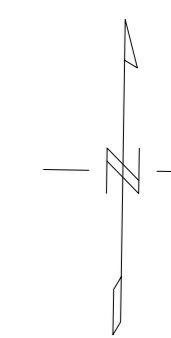
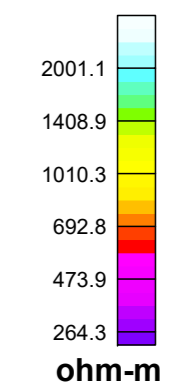
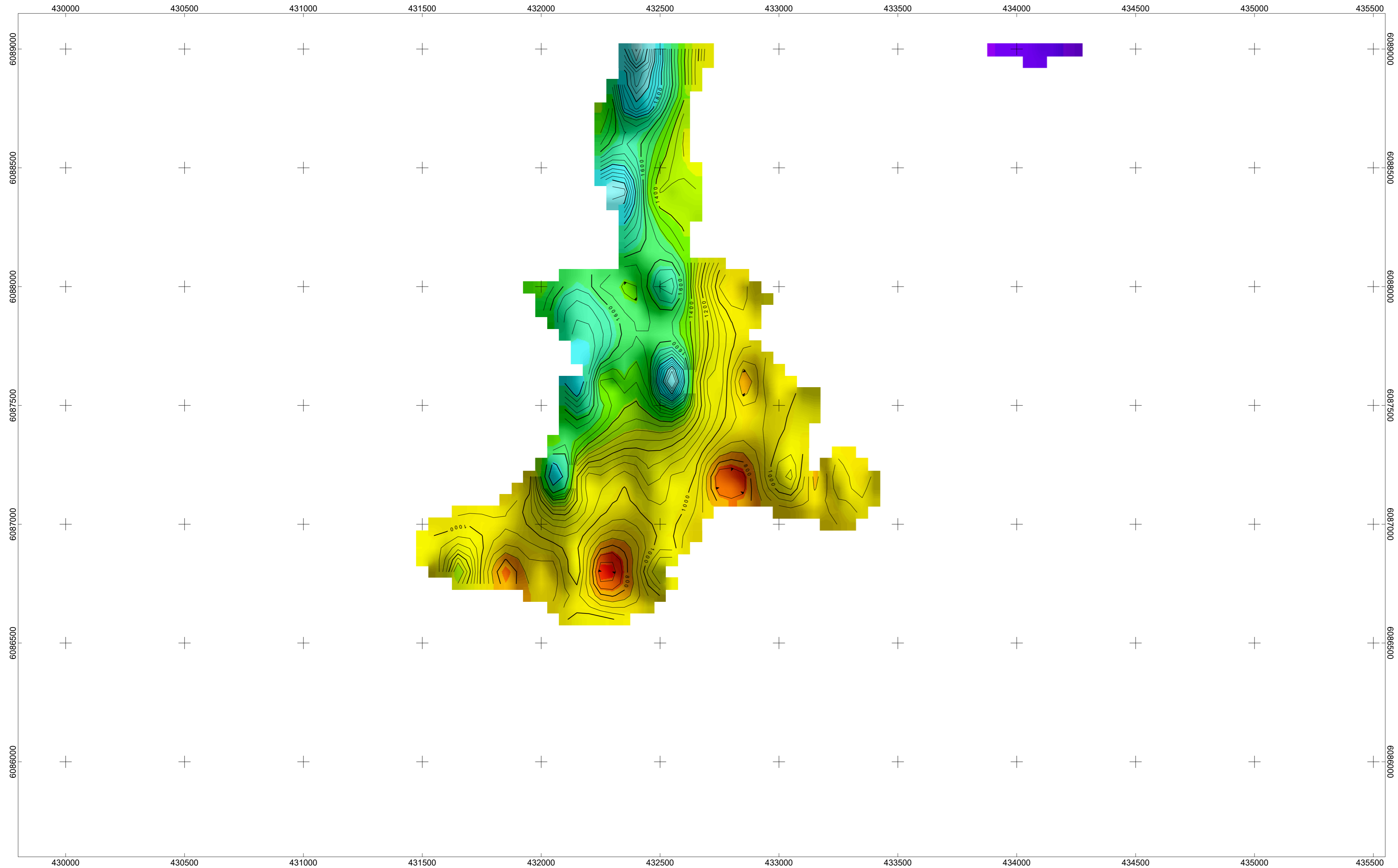


ohm-m



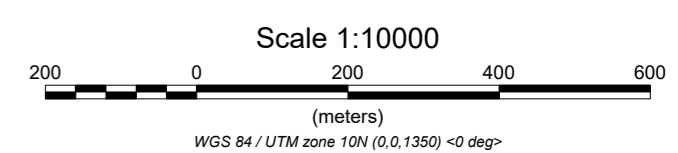
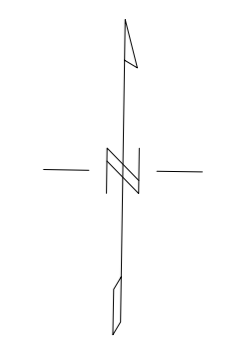
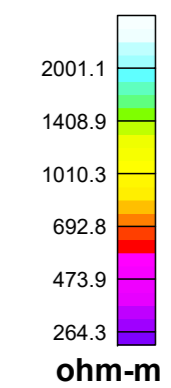
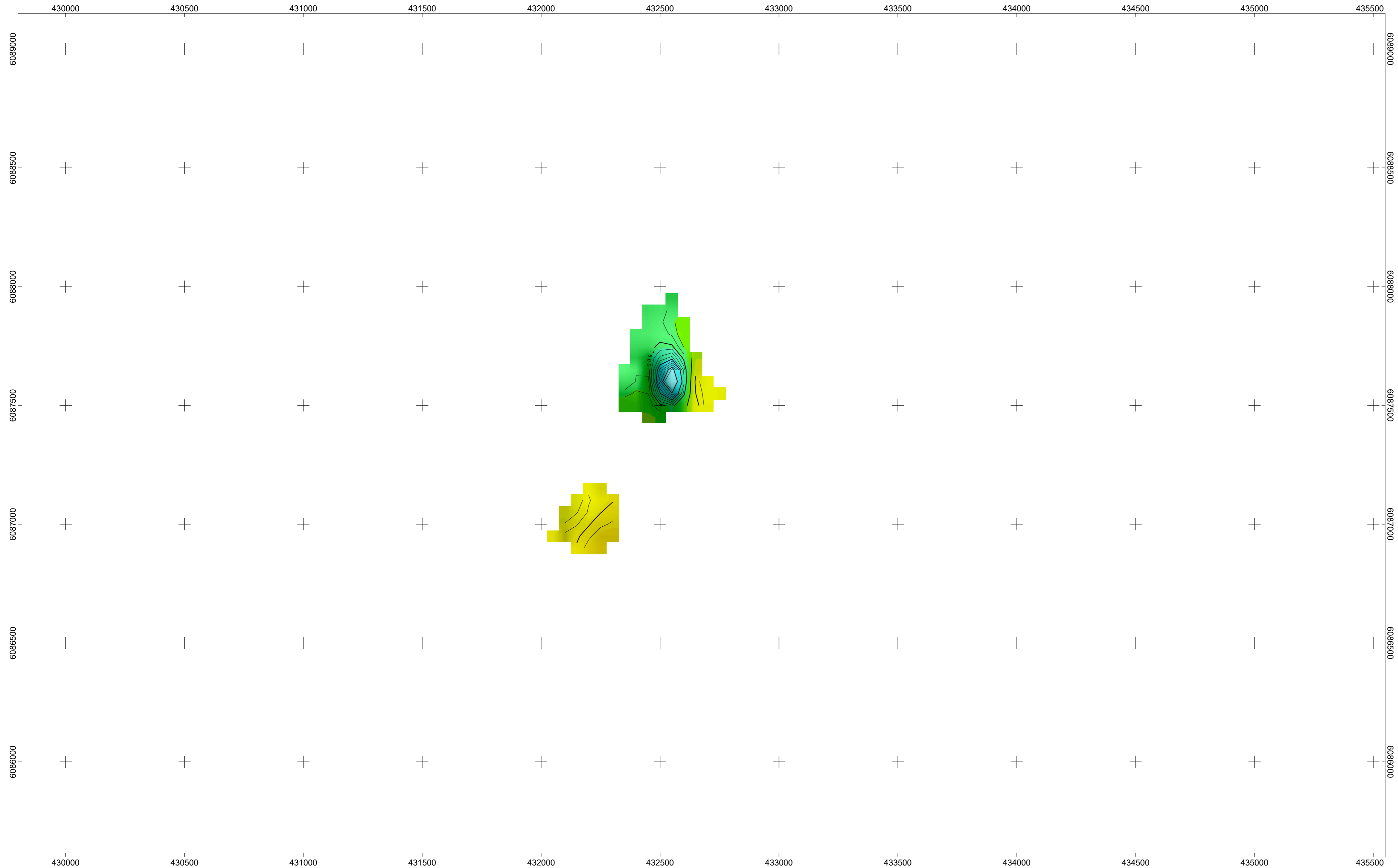
Scale 1:10000
(meters)
WGS 84 / UTM zone 10N (0.0, 1350) <0 deg>

THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED RESISTIVITY (ohm-m)
LEVEL 1250 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



WGS 84 / UTM zone 10N (0.0, 1350) <0 deg>

THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED RESISTIVITY (ohm-m)
LEVEL 1300 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



WGS 84 / UTM zone 10N (0.0, 1350) <0 deg>

THOMPSON CREEK METALS INC.
INDUCED POLARIZATION SURVEY
CONTOURS OF 3D MODELLED RESISTIVITY (ohm-m)
LEVEL 1350 M
 MAX PROPERTY
 FT. ST. JAMES AREA,
 BRITISH COLUMBIA
 FALL 2019
PETER E. WALCOTT & ASSOCIATES LIMITED