

Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

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

TOTAL COST: \$1,250.00

AUTHOR(S): Walcott, A. SIGNATURE(S): digital

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): Nov 20-29 YEAR OF WORK: 2019

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5768415

PROPERTY NAME: Gnawed Mountain

CLAIM NAME(S) (on which the work was done): 554803,996703,996742

COMMODITIES SOUGHT: Copper, Molybdenum

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092ISE152,092ISE077,092ISE014,092ISE085

MINING DIVISION: Kamloops NTS/BCGS: 921/07

LATITUDE: 50 ° 24 ' 0 " LONGITUDE: 120 ° 58 ' " (at centre of work)

OWNER(S):
1) Masco Capital Inc. 2) _____

MAILING ADDRESS:
1000 Austin Ave,
Coquitlam, V3K3P1

OPERATOR(S) [who paid for the work]:
1) As Above 2) _____

MAILING ADDRESS:

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Guichon, Copper, Molybdenum, Intrusive

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	_____	_____	_____
Radiometric	_____	_____	_____
Seismic	_____	_____	_____
Other Inversion	_____	554803,996703,996742	1250.00
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:	1250.00

Mineral Titles Online Viewer

Exploration and Development Work / Expiry Date Change Event Detail

Event Number ID	5768415
Recorded Date	2019/dec/27
Work Type	Technical Work (T)
Technical Items	Geophysical (P), Preparatory Surveys (TS), PAC Withdrawal (up to 30% of technical work required) (W3)
Work Start Date	2019/nov/20
Work Stop Date	2019/nov/29
Total Value of Work	\$ 1250.00
Mine Permit Number	

Summary of the work value:

Title Numbers	554803
Claim Name/Property	JL1
Issue Date	2007/mar/21
Work Performed Index	N
Old Good To Date	2020/jan/01
New Good To Date	2020/feb/01
Numbers of Days Forward	31
Area in Ha	20.59
Applied Work Value	\$ 26.16
Submission Fee	\$ 0.00
Title Numbers	996703
Claim Name/Property	
Issue Date	2012/jun/12
Work Performed Index	Y
Old Good To Date	2020/jan/01
New Good To Date	2020/feb/01
Numbers of Days Forward	31
Area in Ha	514.87
Applied Work Value	\$ 654.13
Submission Fee	\$ 0.00
Title Numbers	996742
Claim Name/Property	

Issue Date	2012/jun/12
Work Performed Index	Y
Old Good To Date	2020/jan/01
New Good To Date	2020/feb/01
Numbers of Days Forward	31
Area in Ha	658.91
Applied Work Value	\$ 837.14
Submission Fee	\$ 0.00

Title Numbers 1049312

Claim Name/Property	
Issue Date	2017/jan/18
Work Performed Index	N
Old Good To Date	2020/jan/01
New Good To Date	2021/jan/01
Numbers of Days Forward	366
Area in Ha	20.60
Applied Work Value	\$ 201.18
Submission Fee	\$ 0.00

Financial Summary:

Total Applied Work Value:	\$ 1718.61
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PAC name	Robak Industries
Debited PAC amount	\$ 468.61
Credited PAC amount	\$

Total Submission Fees	\$ 0.00
Total Paid	\$ 0.00

Related Summary:

Existing Work Program
Event Numbers

Click [here](#) to go back to the previous page
Click [here](#) to go back to the titles search page.

EVENT #5768415

AN

ASSESSMENT REPORT

ON

3D MAGNETIC INVERSION

**Gnawed Mountain Property
Logan Lake Area,
Kamloops M.D. , B.C.
50° 24'N, 120° 58'W**

CLAIMS SURVEYED

554803,996703,996742

For

MASCO CAPITAL INC.

COQUITLAM, B.C.

BY

PETER E. WALCOTT & ASSOCIATES LIMITED

COQUITLAM, B.C.

APRIL 2020

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Property Geology and Mineral Occurrences	8
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APPENDIX I

Cost of Survey
 Personnel Employed on Survey
 Certification
 Claims List

APPENDIX II

Soil Sample Descriptions
 Soil Sample XRF Results

<u>ACCOMPANYING MAPS</u>	–	<u>MAP POCKET</u>
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Claim and Grid Location Map	1:20,000
3D Magnetic Susceptibility Level Plans 1700,1600,1500,1400,1300,1200	1:10,000
Contours of Historic Soil Geochemistry (Cu)	1:10,000

INTRODUCTION.

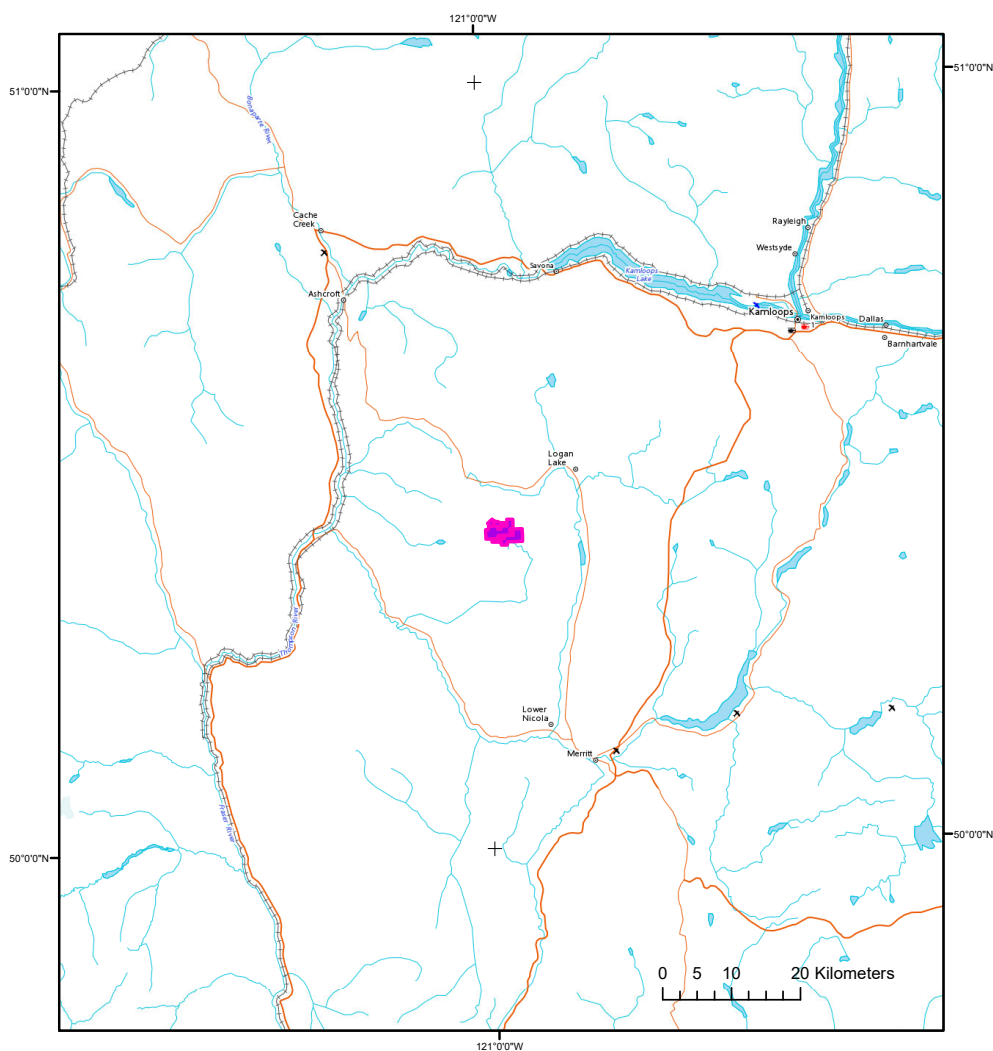
Between November 20th and 29th, 2019, Peter E. Walcott & Associates Limited undertook 3D modelling and planning over the parts of the Gnawd Mountain claim for Masco Capital Inc.

The project consisted of 3D inversion of historic ground magnetics, and 3D compilation of historic data to aid in the planning of additional exploration work.

PROPERTY, LOCATION AND ACCESS.

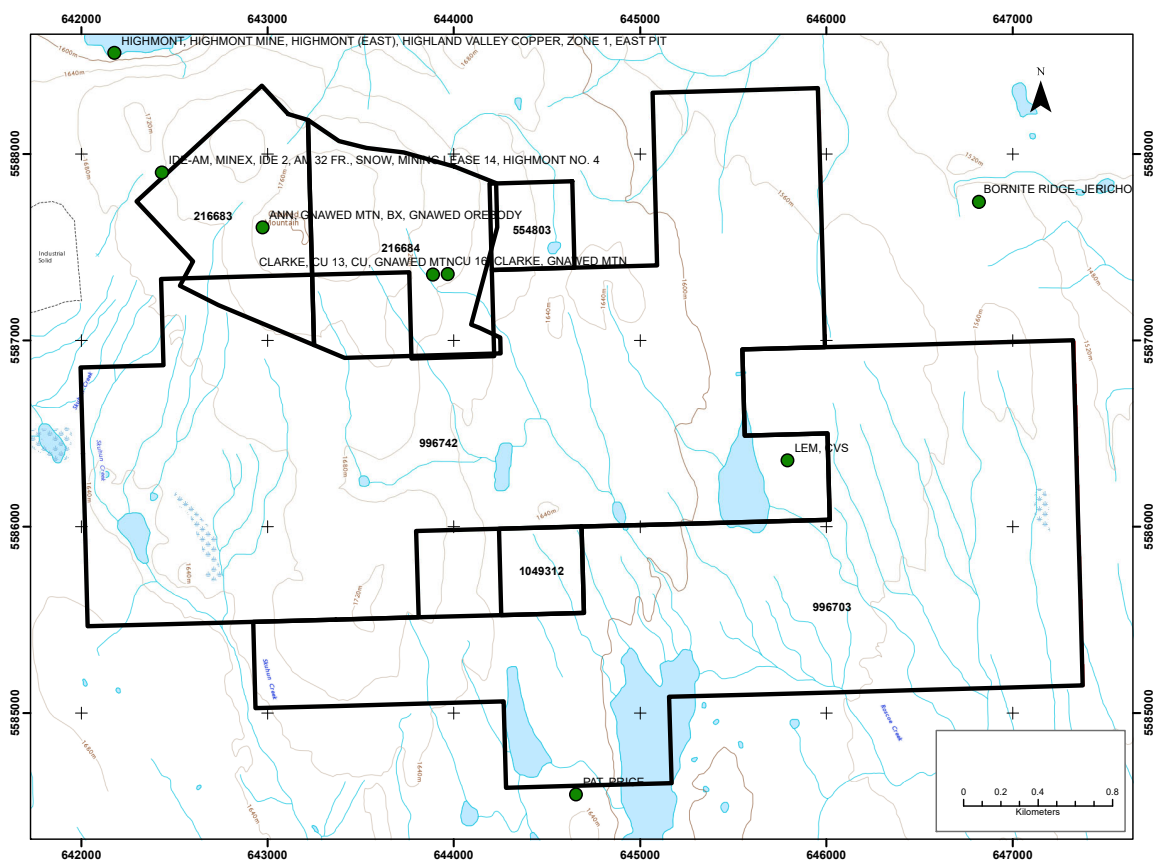
The Gnawed Mountain property is in southwestern British Columbia, some 14 kilometres southwest of Logan Lake, Columbia and some 35 kilometres northwest of the community of Merritt, British Columbia where the crew was housed.

Access to the survey area was gained via a network of secondary paved and gravel roads emanating from the communities of Logan Lake, and Merritt, British Columbia.



Claim Location Map

PROPERTY, LOCATION AND ACCESS cont'd.



Claim Location Map

PURPOSE.

The purpose of the project was to use 3D geophysical inversion and visualization techniques to aid in planning upcoming exploration.

HISTORICAL WORK.

Several exploration campaigns have been conducted within the property and surrounding area – consisting of geological mapping, geochemistry, ground and airborne geophysics, and diamond drilling.

For further information the reader is referred to the respective Aris files within the immediate area.

PROPERTY GEOLOGY AND MINERAL OCCURENCES.

The Gnawed property is situated near the center of the Guichon Creek Batholith within the prolific Highland Valley camp. The property is underlain by four main geological units.

The western portion of the property is underlain by the Bethsaida Phase, consisting of quartz monzonite to granodiorite units.

The central portion of the property is dominantly underlain by the Skeena Variety. This Triassic aged unit intrusive unit is intermediate in composition and texture between the Bethlehem and Bethsaida phases. This unit was subsequently intruded by a number of porphyritic dykes and plugs. The largest of these intrusive bodies is mapped in a northwesterly orientation through the summit of Gnawed Mountain. A series of breccia zones also appear to be associated with the aforementioned intrusive.

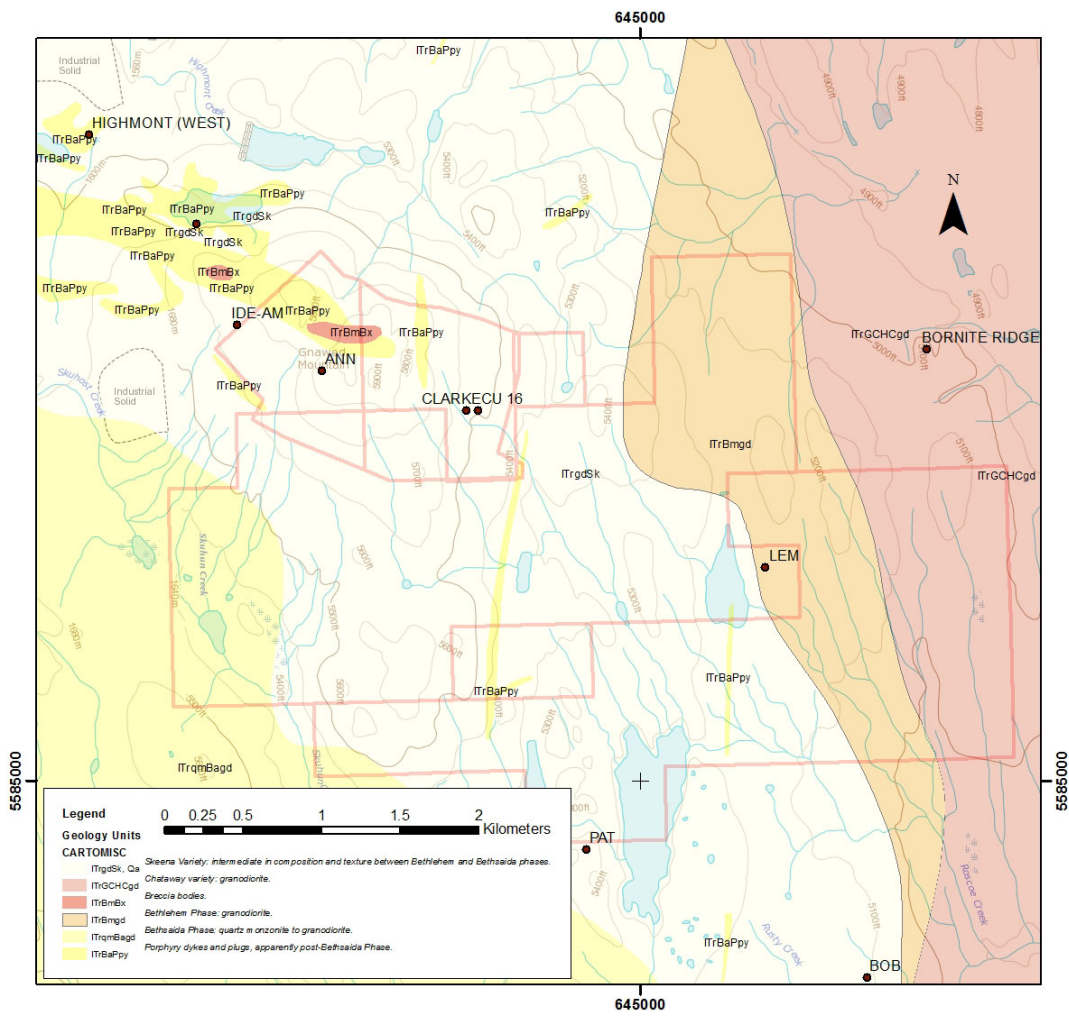
The eastern third of the property underlain by a north-south trending wedge of Bethlehem Phase granodiorite and Chataway Variety granodiorite.

A number of minfile occurrences are contained within the property limits – Ann, Clarke, Cu 16 and Lem. These occurrences are all associated with copper and molybdenum mineralization.

The Ann or Gnawed Mountain occurrence is the most significant of the aforementioned. The Anne zone consists of a strong quartz stockwork hosted by Bethsaida breccia. An orebody 200 to 300 metres wide, 360 to 660 metres long with a proposed pit depth of 120 metres contains unclassified reserves of 43,381,157 tonnes grading 0.27 per cent copper (Northern Miner - June 20, 1974).

For further information the reader is referred to the respective Aris files within the immediate area.

PROPERTY GEOLOGY AND MINERAL OCCURENCES.



Property Geology
(After McMillan, W J; Anderson, R G; Chan, R; Chow, W)

HISTORICAL DATA AND INVERSION.

The historic magnetic data utilized in the 2019 inversion was obtained in 2012. The survey was carried out on 200 m line spacing on east-west orientated lines utilizing GSM-19W overhauser walking magnetometers with GPS. The sampling rate was 1 reading per second.

The data was subsequently reloaded from archive in to Geosoft Oasis Montaj, and briefly reviewed.

A detailed DEM model was then created using BC TRIM data for the survey/inversions area.

The data was subsequently inverted using both UBC-GIF MAG3DINV and Geosoft Voxi. For the purpose of this report only the latter was used.

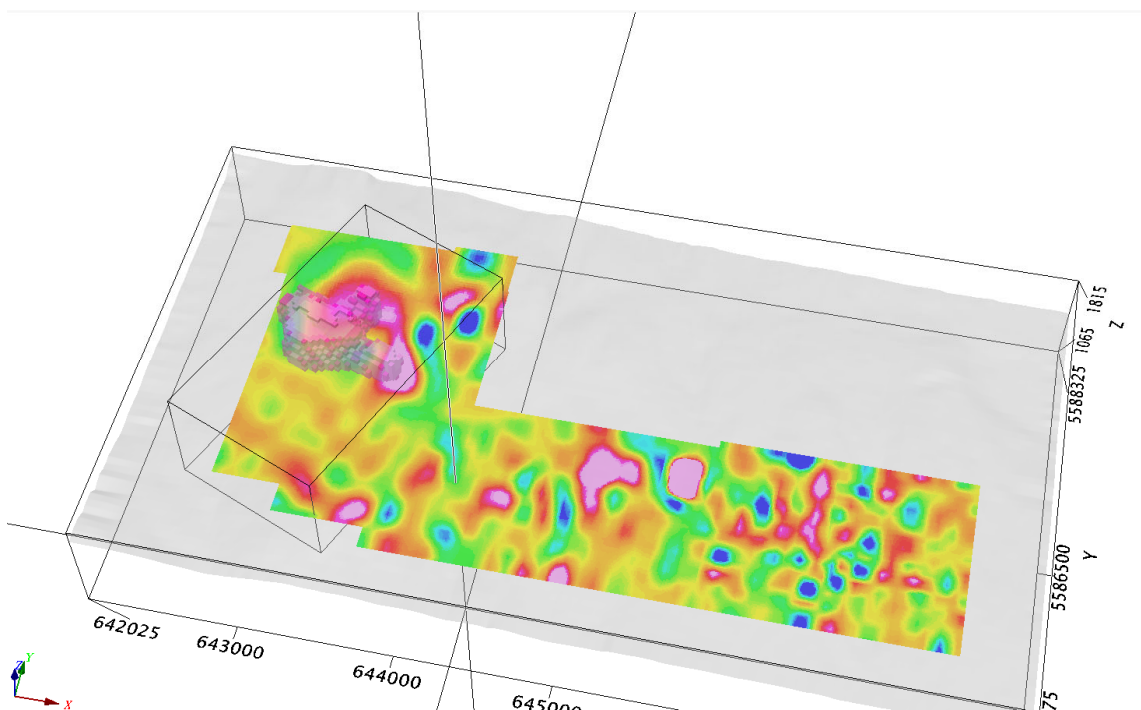
The resulting 3D magnetic susceptibility model was then loaded into 3D space for viewing with historic geophysical and geochemical data.

DISCUSSION OF RESULTS.

The results of the 2019 3D magnetic inversion show several features of interest.

In the northwest quadrant of the inversion a zone of elevated magnetics can be observed coincident with Gnawd Mountain. The feature appears to be ringed by zones of reduced magnetic susceptibility.

On the southern flank of the magnetic feature a weak west-northwesterly trend can be observed within the modelled response. This encompassed a large chargeability anomaly observed in a historic survey as illustrated below along with elevated soil geochemistry.

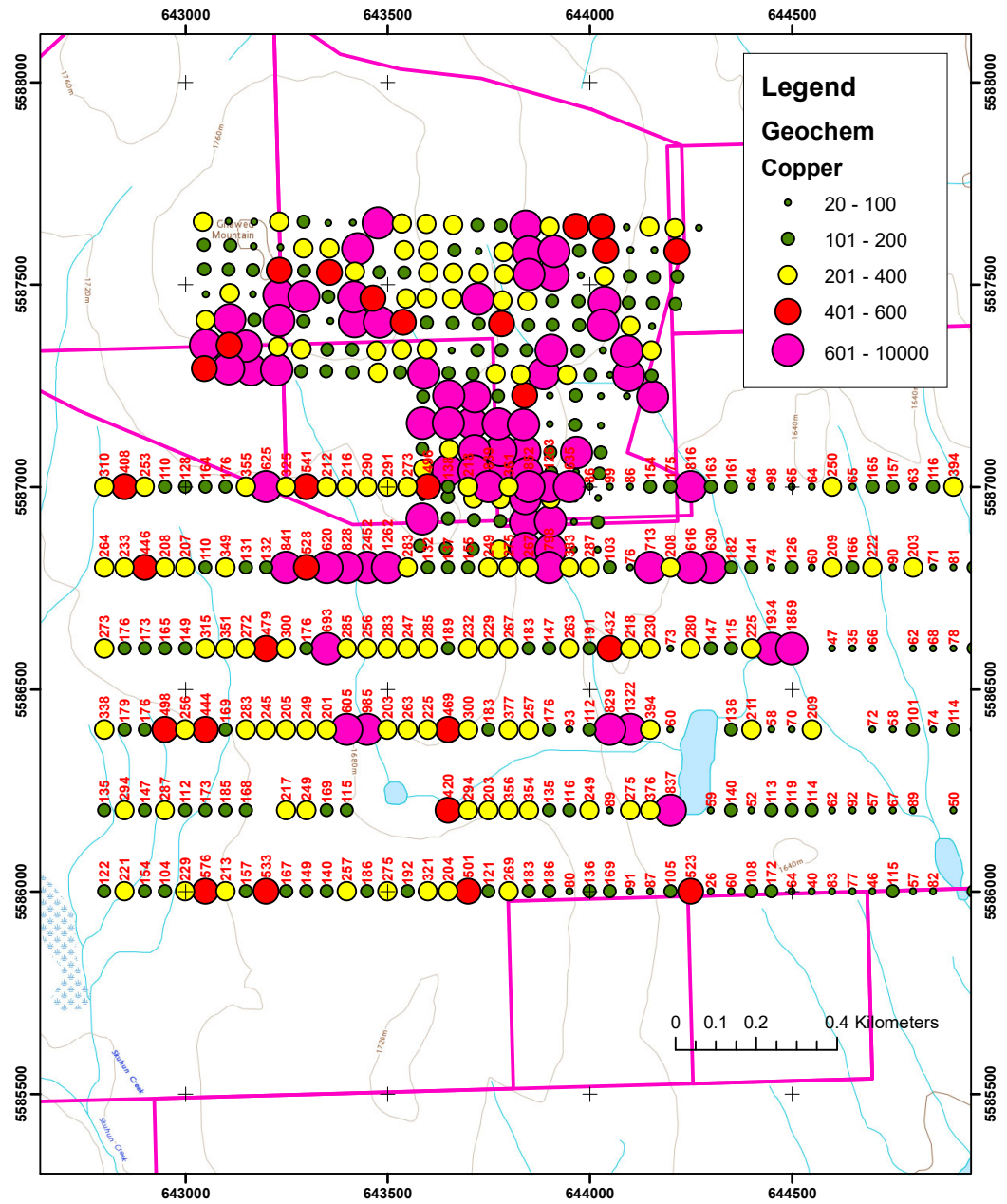


*3D Modelled Magnetic Susceptibility 1500m slice,
With historic 3D Modelled IP.*

DISCUSSION OF RESULTS cont'd.

On the eastern flank of magnetic high a distinct northwesterly trending zone of reduced magnetic susceptibility can also be observed. This trend bisects the entire model and is coincident of an elevated copper soil geochemistry anomaly. Several parallel trends can also be observed.

In the eastern portion of the model, the more muddle response maybe indicative of the volcanic cover.



Historic and 2018 Copper Soil Geochemistry.

SUMMARY, CONCLUSIONS & RECOMMENDATIONS.

Between November 20th and 29th, 2019, Peter E. Walcott & Associates Limited undertook 3D modelling of historic ground magnetics over the Gnawed Mountain property for Masco Capital Inc.

The survey identified a broad zone of elevated copper associated with weak magnetic trends observed in the 3D magnetic model.

Detailed magnetic surveying should be carried out over these trends. Property wide magnetics should also be completed. Passive seismic should also be tested to determine cover thickness off the sides of Gnawed mountain. Induced polarization traverse across these trends should also be undertaken.

Respectfully submitted,

PETER E. WALCOTT & ASSOCIATES LIMITED

P. Alexander Walcott
Geophysicist

Vancouver, B.C.
April 2020

APPENDIX I

COST OF SURVEY.

Peter E. Walcott & Associates Limited undertook the project for a fixed rate of \$1250.00.

PERSONNEL EMPLOYED ON SURVEY.

<u>Name</u>	<u>Occupation</u>	<u>Address</u>	<u>Dates</u>
A. Walcott	Geophysicist	Peter E. Walcott & Associates Limited 111-17 Fawcett Rd. Coquitlam, B.C.	

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.

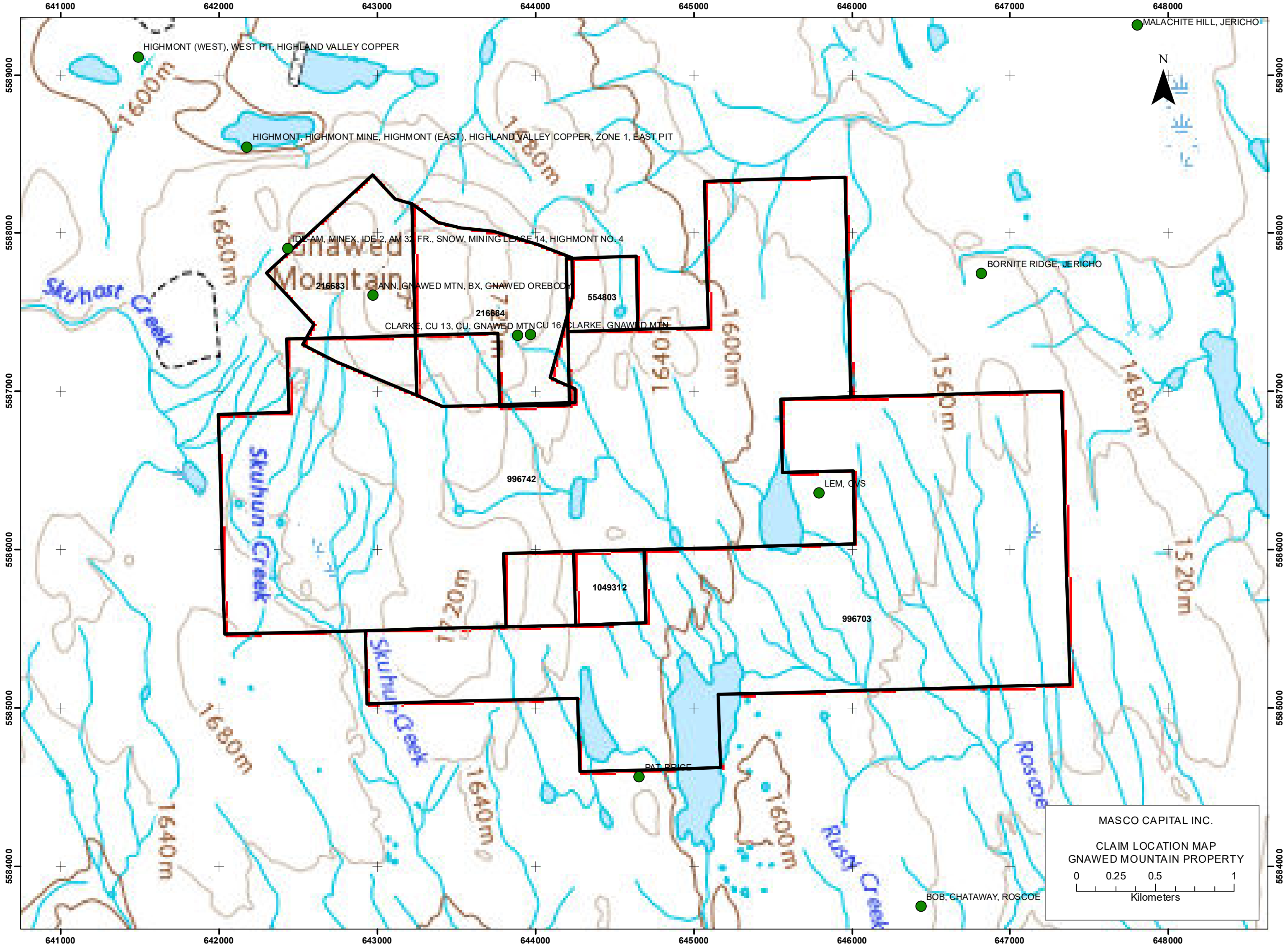
Alexander Walcott, B.Sc.

**Coquitlam, B.C.
April 2020**

CLAIMS LIST

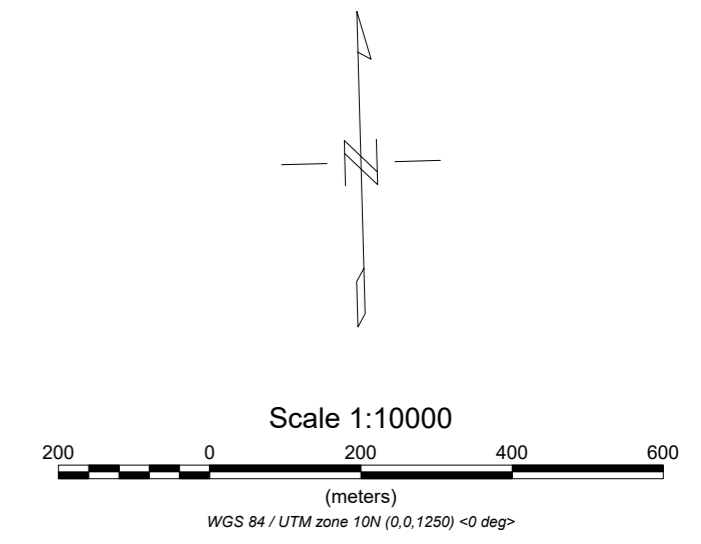
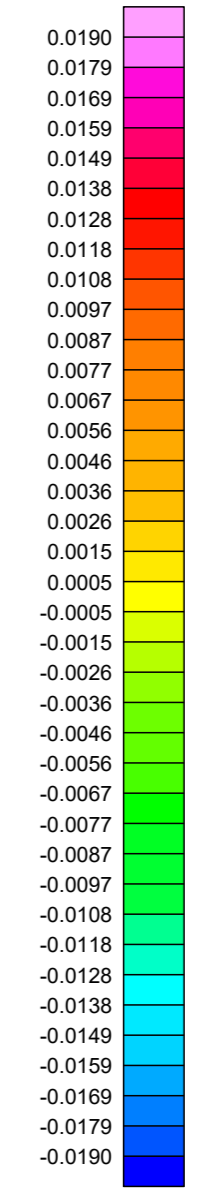
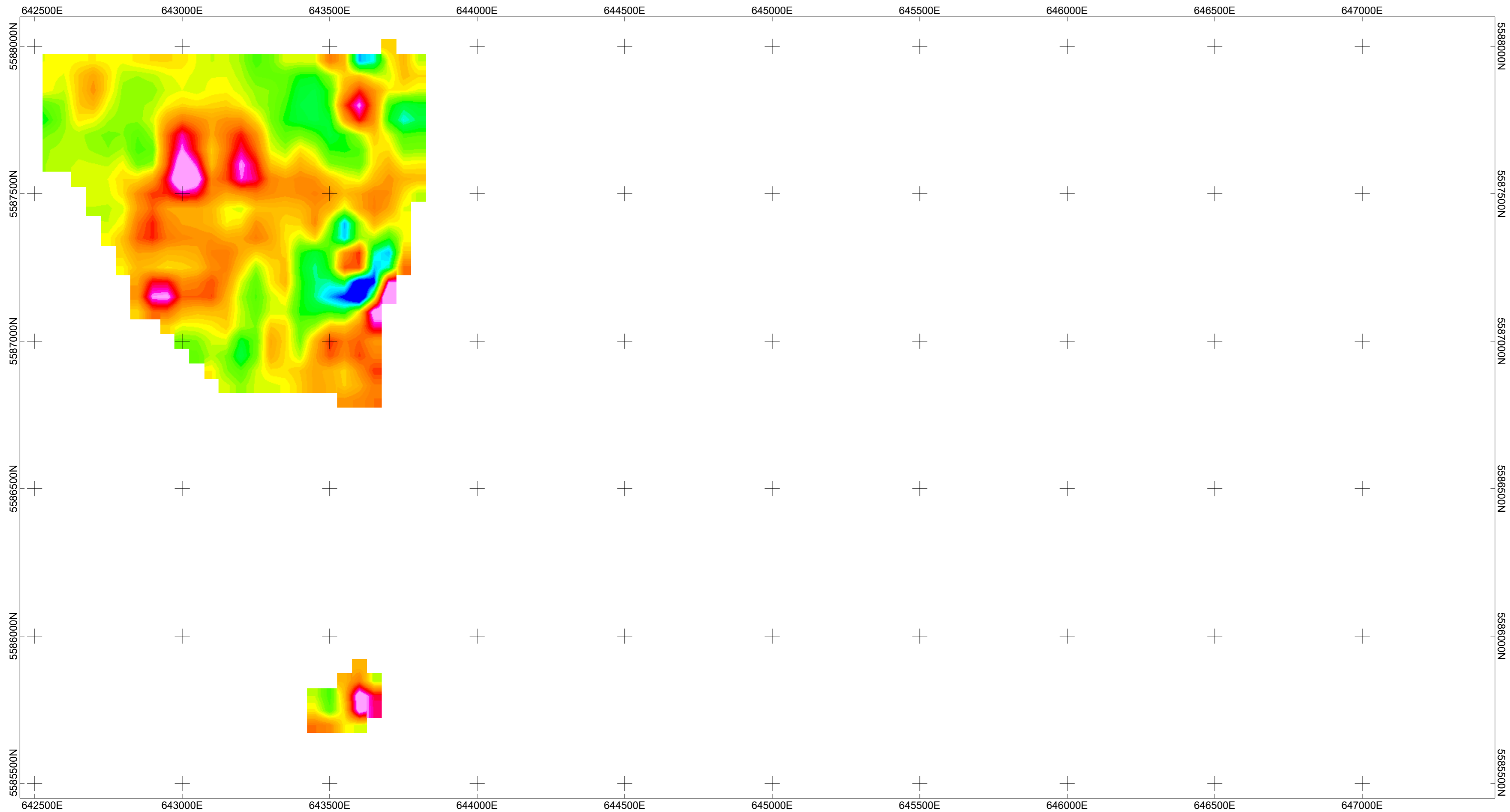
Title Number	Claim Name	Owner	Issue Date	Good To Date	Area (ha)
554803	JL1	278104 100%	2007/MAR/21	2020/FEB/01	20.59
996703		278104 100%	2012/JUN/12	2020/FEB/01	514.87
996742		278104 100%	2012/JUN/12	2020/FEB/01	658.91
1049312		278104 100%	2017/JAN/18	2020/FEB/01	20.59

APPENDIX II



MASCO CAPITAL INC.
CLAIM LOCATION MAP
GNAWED MOUNTAIN PROPERTY

0 0.25 0.5 1
Kilometers

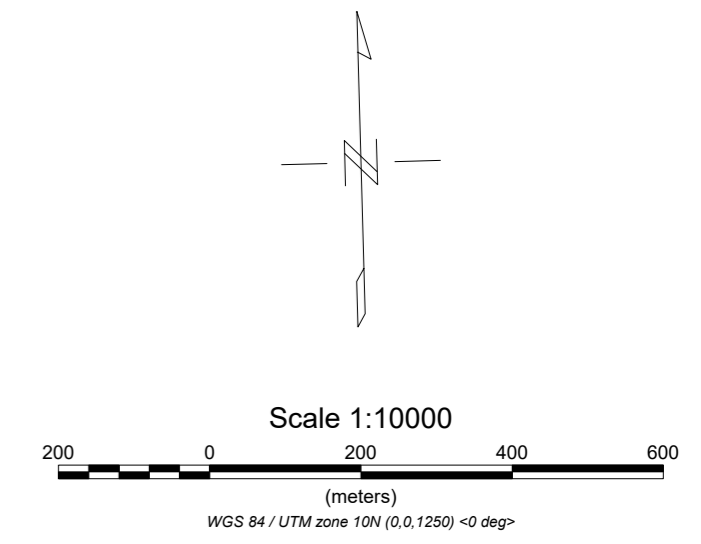
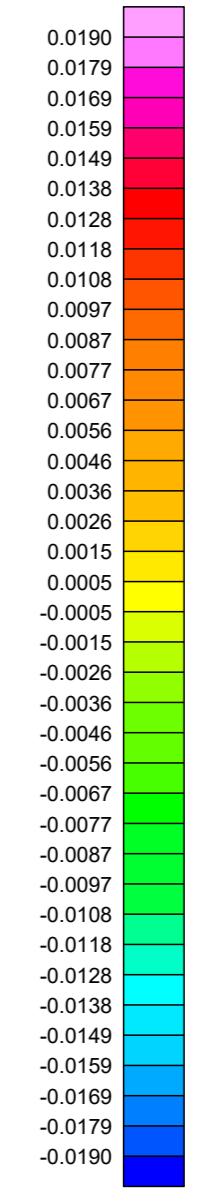
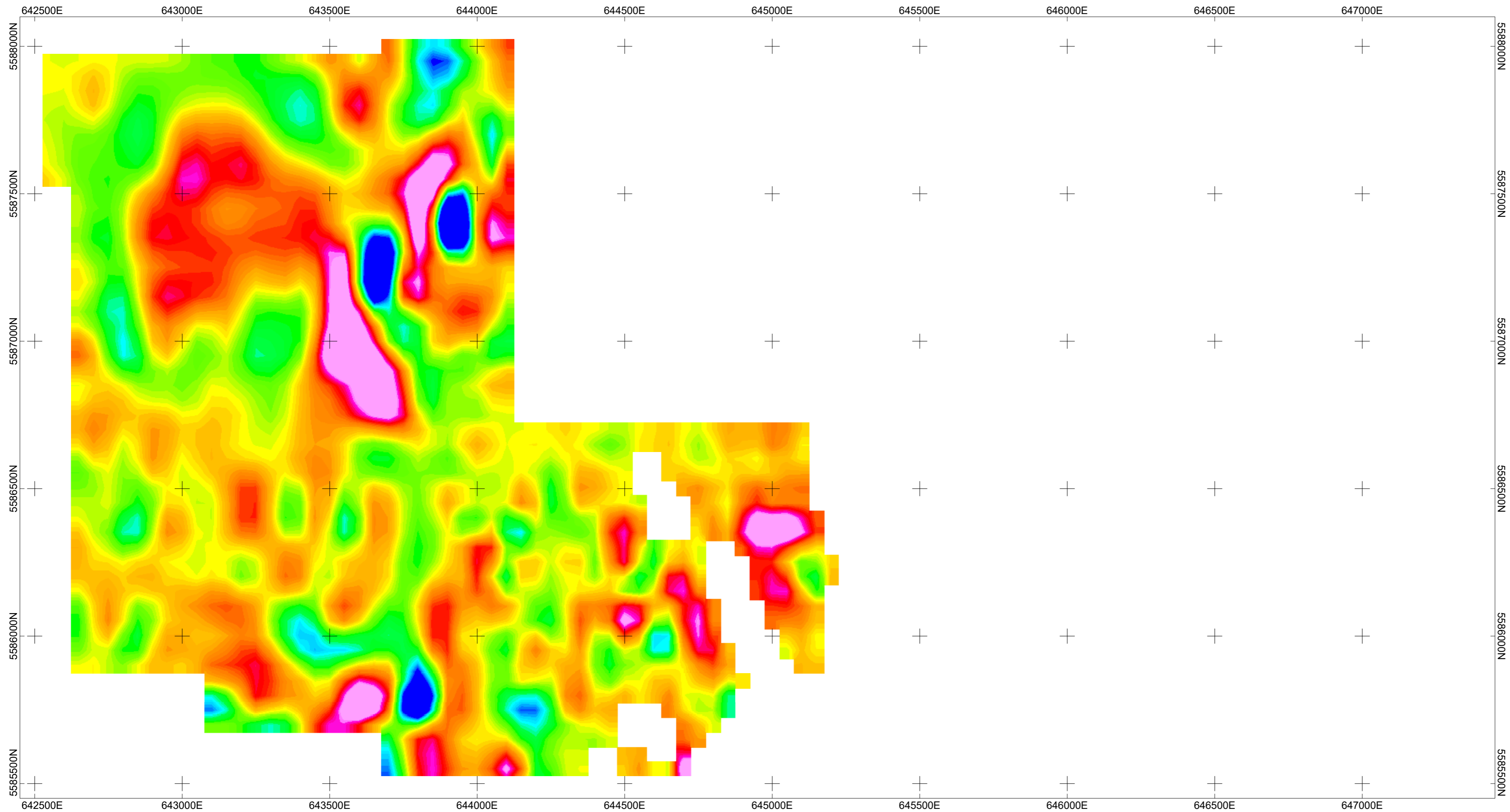


MASCO CAPITAL INC.

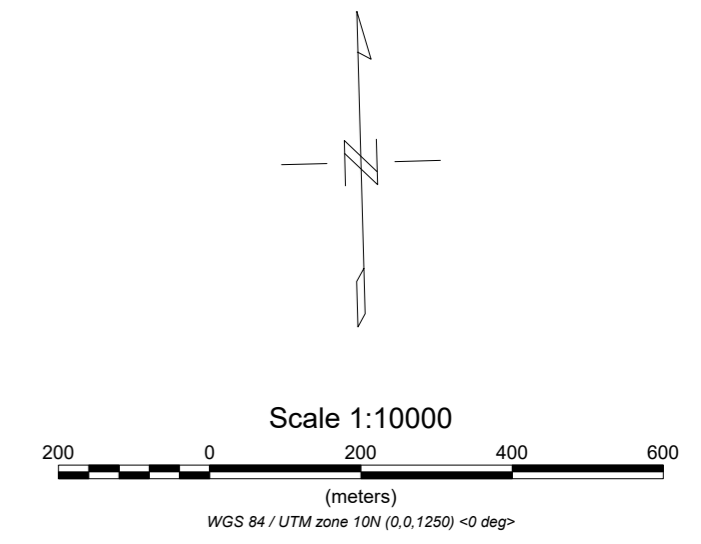
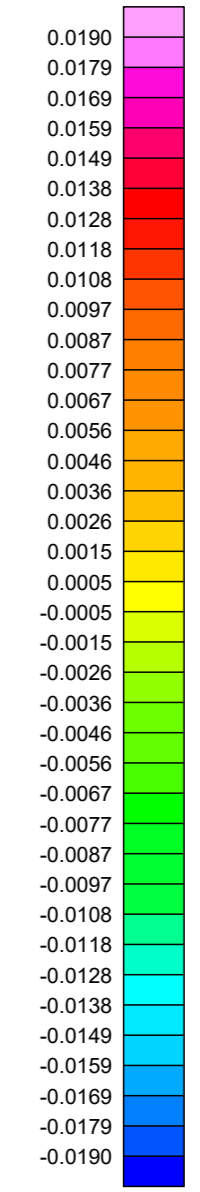
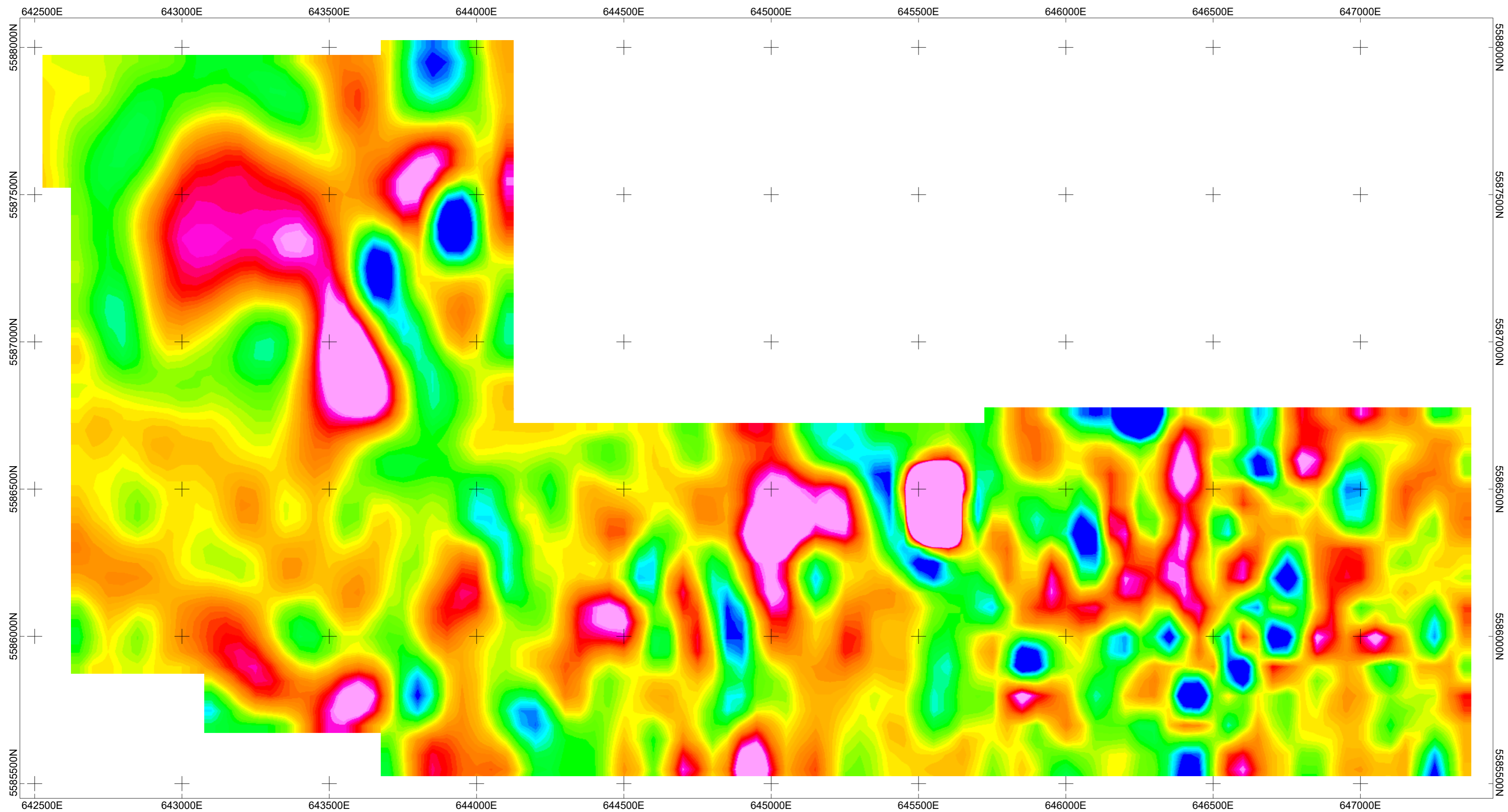
**3D MAGNETIC MODEL
CONTOURS OF 3D MODELLED SUSCEPTIBILITY
1700 M ASL**

LOGAN LAKE AREA
BRITISH COLUMBIA
NOVEMBER 2019

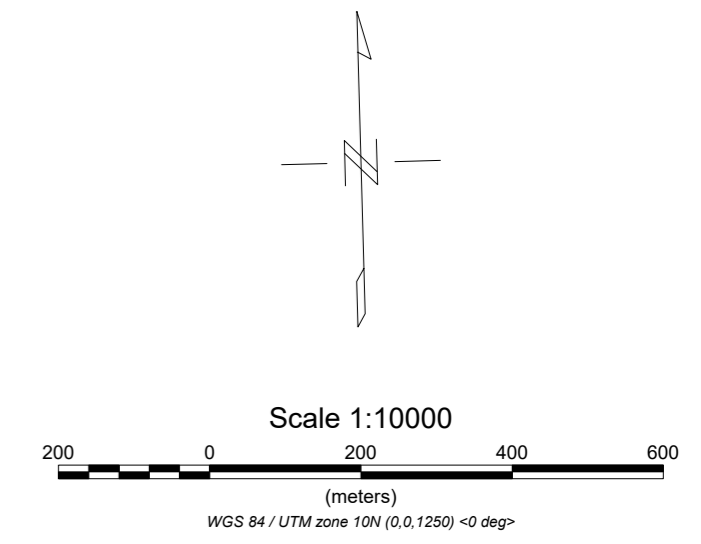
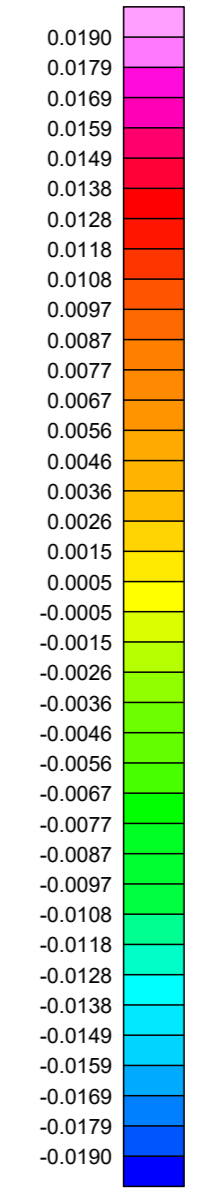
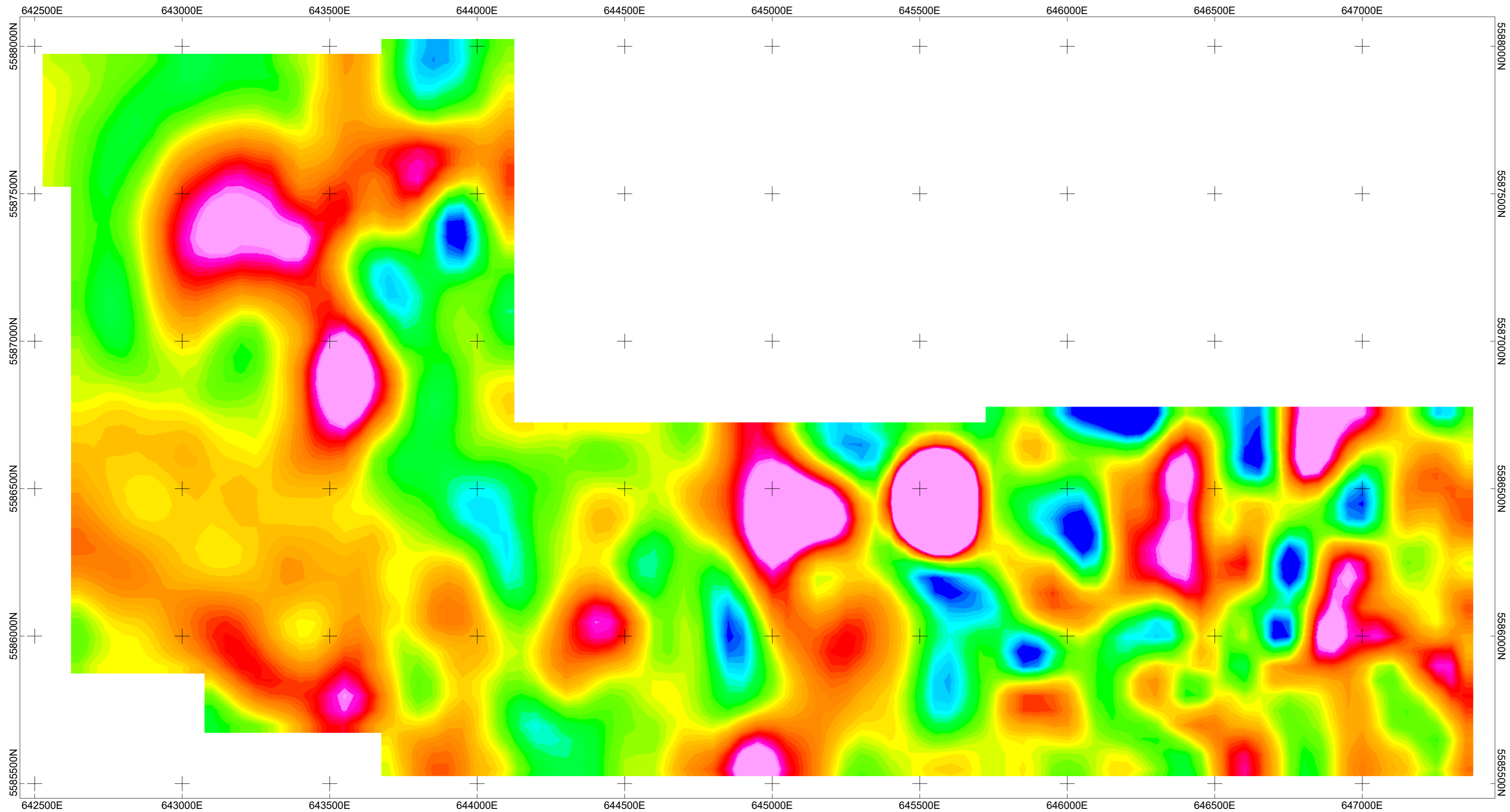
PETER E. WALCOTT & ASSOCIATES LIMITED



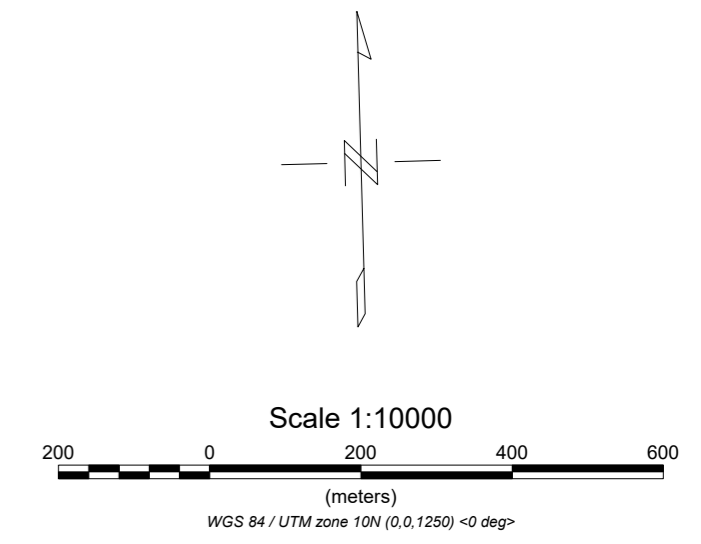
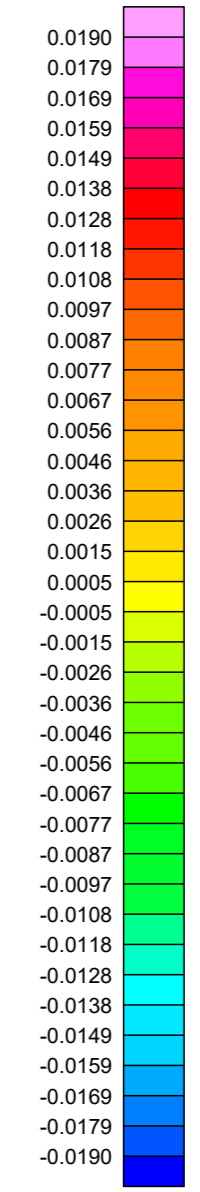
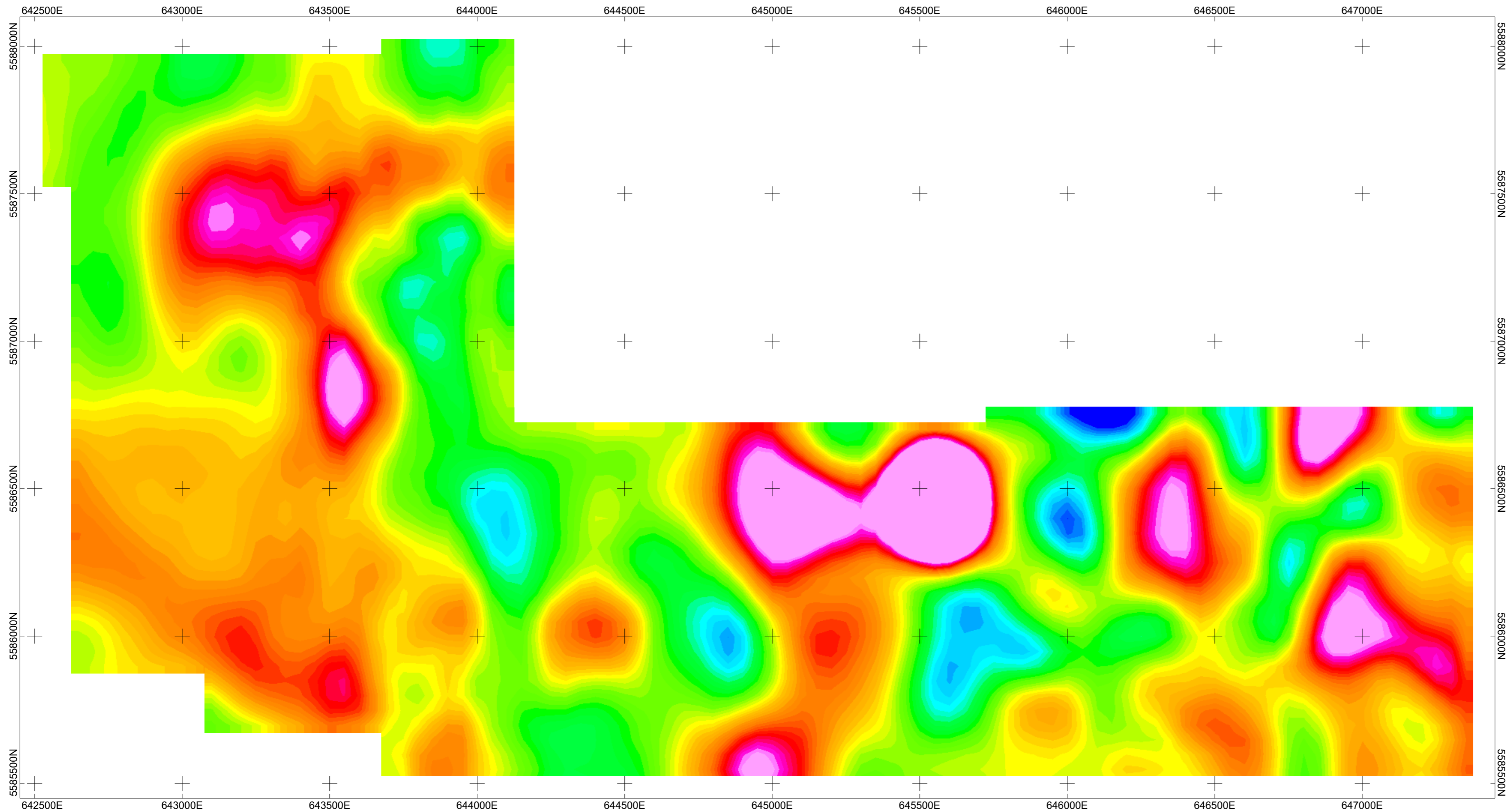
MASCO CAPITAL INC.
3D MAGNETIC MODEL CONTOURS OF 3D MODELLED SUSCEPTIBILITY 1600 M ASL
LOGAN LAKE AREA BRITISH COLUMBIA NOVEMBER 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



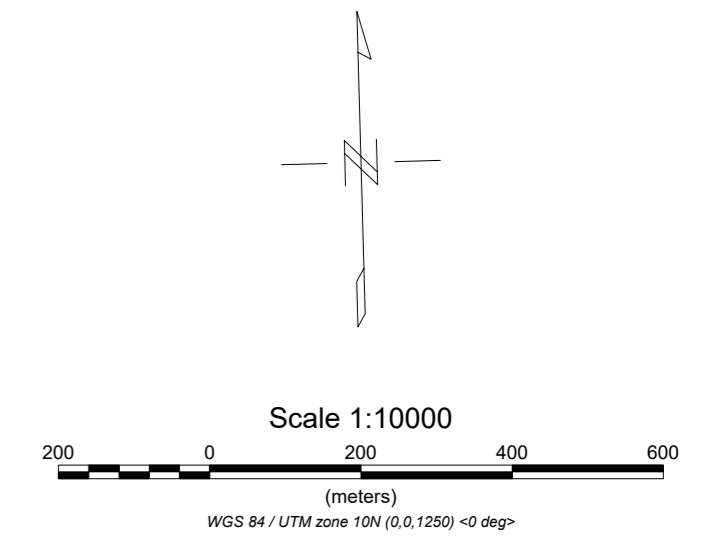
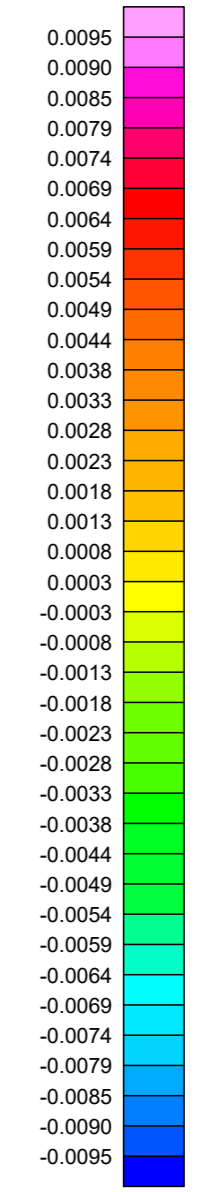
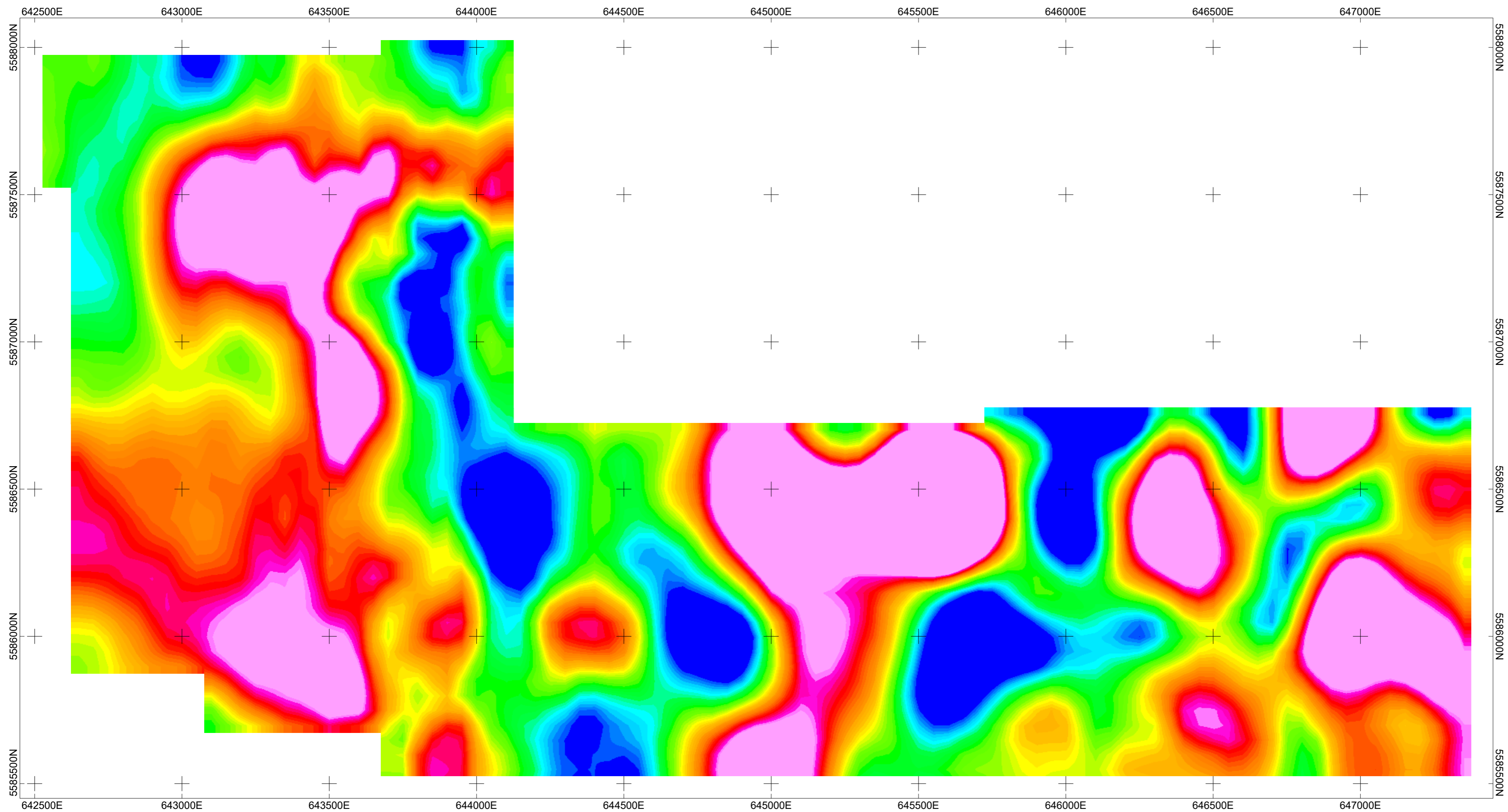
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LOGAN LAKE AREA BRITISH COLUMBIA NOVEMBER 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



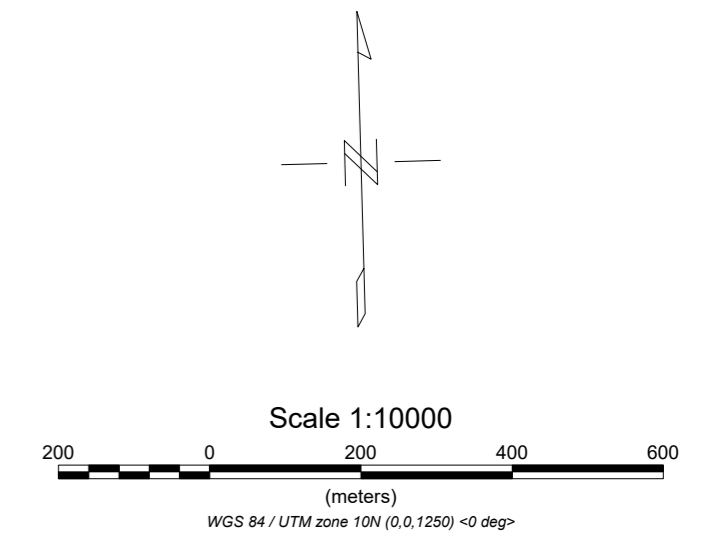
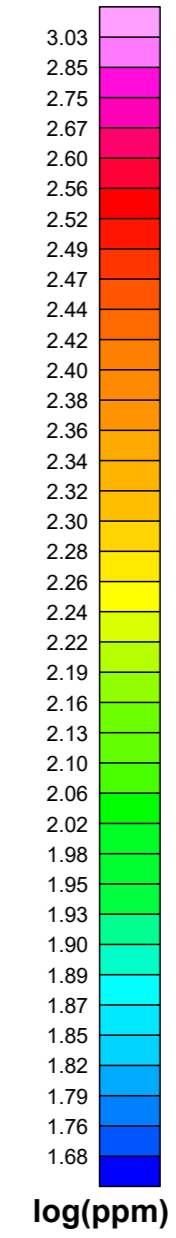
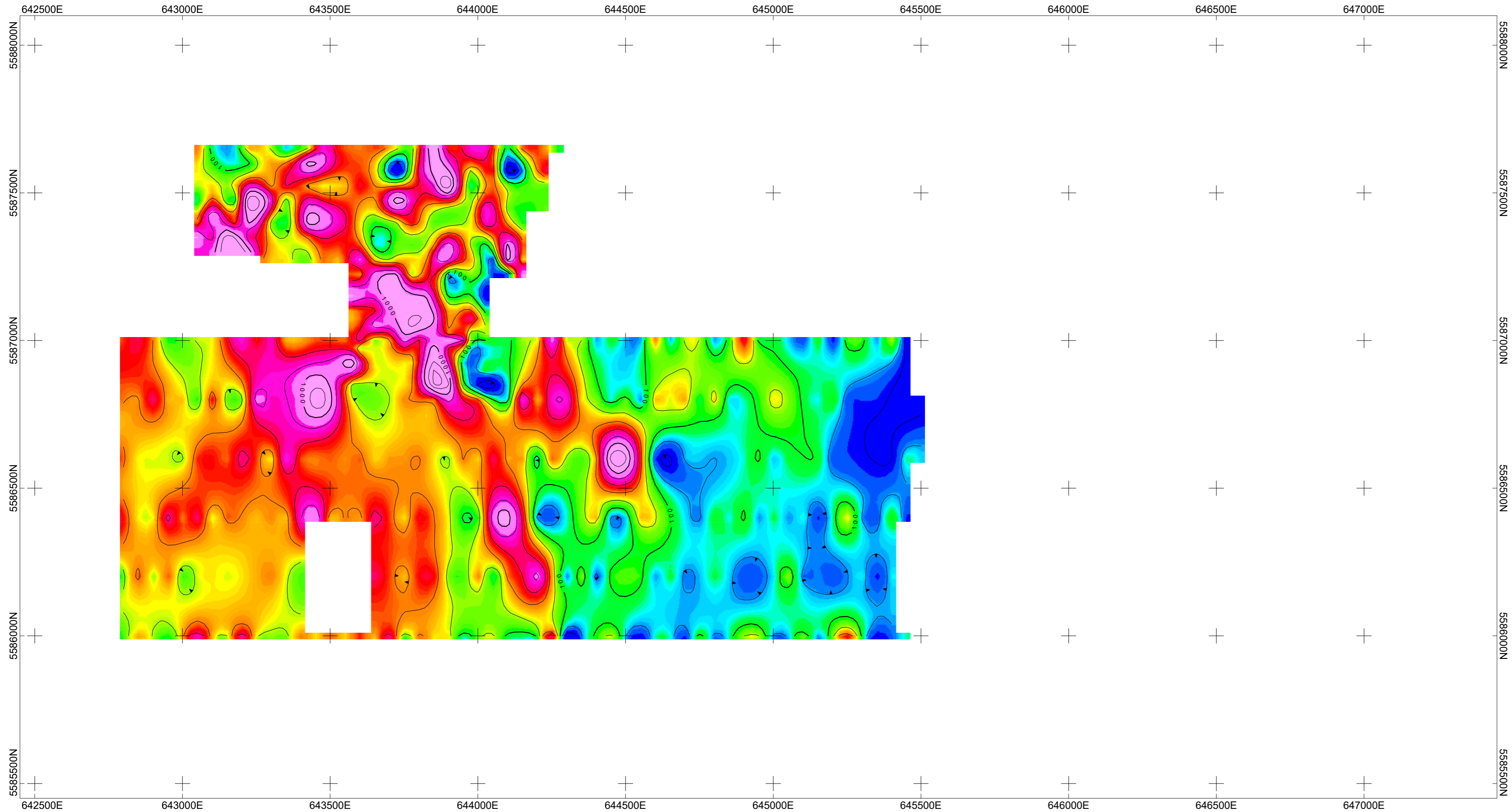
MASCO CAPITAL INC.
3D MAGNETIC MODEL CONTOURS OF 3D MODELLED SUSCEPTIBILITY 1400 M ASL
LOGAN LAKE AREA BRITISH COLUMBIA NOVEMBER 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



MASCO CAPITAL INC.
3D MAGNETIC MODEL CONTOURS OF 3D MODELLED SUSCEPTIBILITY 1300 M ASL
LOGAN LAKE AREA BRITISH COLUMBIA NOVEMBER 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



MASCO CAPITAL INC.
3D MAGNETIC MODEL CONTOURS OF 3D MODELLED SUSCEPTIBILITY 1200 M ASL
LOGAN LAKE AREA BRITISH COLUMBIA NOVEMBER 2019
PETER E. WALCOTT & ASSOCIATES LIMITED



ROBAK INDUSTRIES LTD.
HISTORIC SOIL GEOCHEMISTRY CONTOURS OF COPPER (PPM)
LOGAN LAKE AREA BRITISH COLUMBIA NOVEMBER 2019
PETER E. WALCOTT & ASSOCIATES LIMITED