

**BC Geological Survey
Assessment Report
37841**



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

TOTAL COST: 2100

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

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): Sept 1-8th YEAR OF WORK: 2018

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5712312

PROPERTY NAME: Frog North

CLAIM NAME(S) (on which the work was done): 1038628

COMMODITIES SOUGHT: Copper, Gold Silver

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 094E164,094E030

MINING DIVISION: Liard NTS/BCGS: 094L03

LATITUDE: 58.0216 ° ' " LONGITUDE: 127.156 ° ' " (at centre of work)

OWNER(S):
1) Charles Greig, Lorne Warren, Alex Walcott 2) _____

MAILING ADDRESS:
38-181 Ravine Dr, Port Moody, V3H 3T3

OPERATOR(S) [who paid for the work]:
1) as above 2) _____

MAILING ADDRESS:
as above

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Copper, Gold, Silver, Veins,

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 1674, 30681,30934, 33391

| 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 Inversions | _____ | 1038628 | 2100.00 |
| 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: | 2100.00 |

EVENT #5712312
AN ASSESSMENT REPORT
ON
3D MAGNETIC MODELLING
FROG NORTH PROPERTY
TOODOGGONE AREA, BRITISH COLUMBIA

LIARD M.D.
57° 58.9 'N, 127° 12.2'W
NTS 93E/ 14 & 94L/03

Claims: 1038628

Work Dates: September 1st-8th, 2018

FOR
Charles Greig, Lorne Warren, Alex Walcott
BRITISH COLUMBIA

BY
ALEX WALCOTT, B. Sc.

PETER E. WALCOTT & ASSOCIATES LIMITED
Coquitlam, British Columbia

JANUARY 2019

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APPENDIX I

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 Certification
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ACCOMPANYING MAPS

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| Claim & Line Location Map Frog North | Scale 1:10,000 |
| Contours of Total Field Intensity (nT) Frog North | Scale 1: 10,000 |
| 3D Inverted MVI Amplitude Slices of Respective Survey Lines | Scale 1: 10,000 |

INTRODUCTION.

Between September 1st and 8th, 2018, Peter E. Walcott & Associates Limited undertook 3D Magnetic Modelling over the Frog North properties for Charles Greig, Lorne Warren, Alex Walcott

The modelling dataset consisted of some 71-line kilometers of detailed airborne magnetics flown with a nominal line spacing 100 m line spacing flown the previous year.

| Title Number | Area Ha | Issue Date | Expire Date | Owners |
|---------------------|----------------|-------------------|--------------------|--|
| 1038628 | 137.14 | 2015/Sep/18 | 2020/Sep/18 | Charles Greig (33.3%) Lorne Warren (33.3%) Alex Walcott (33.3%) |

Claim List

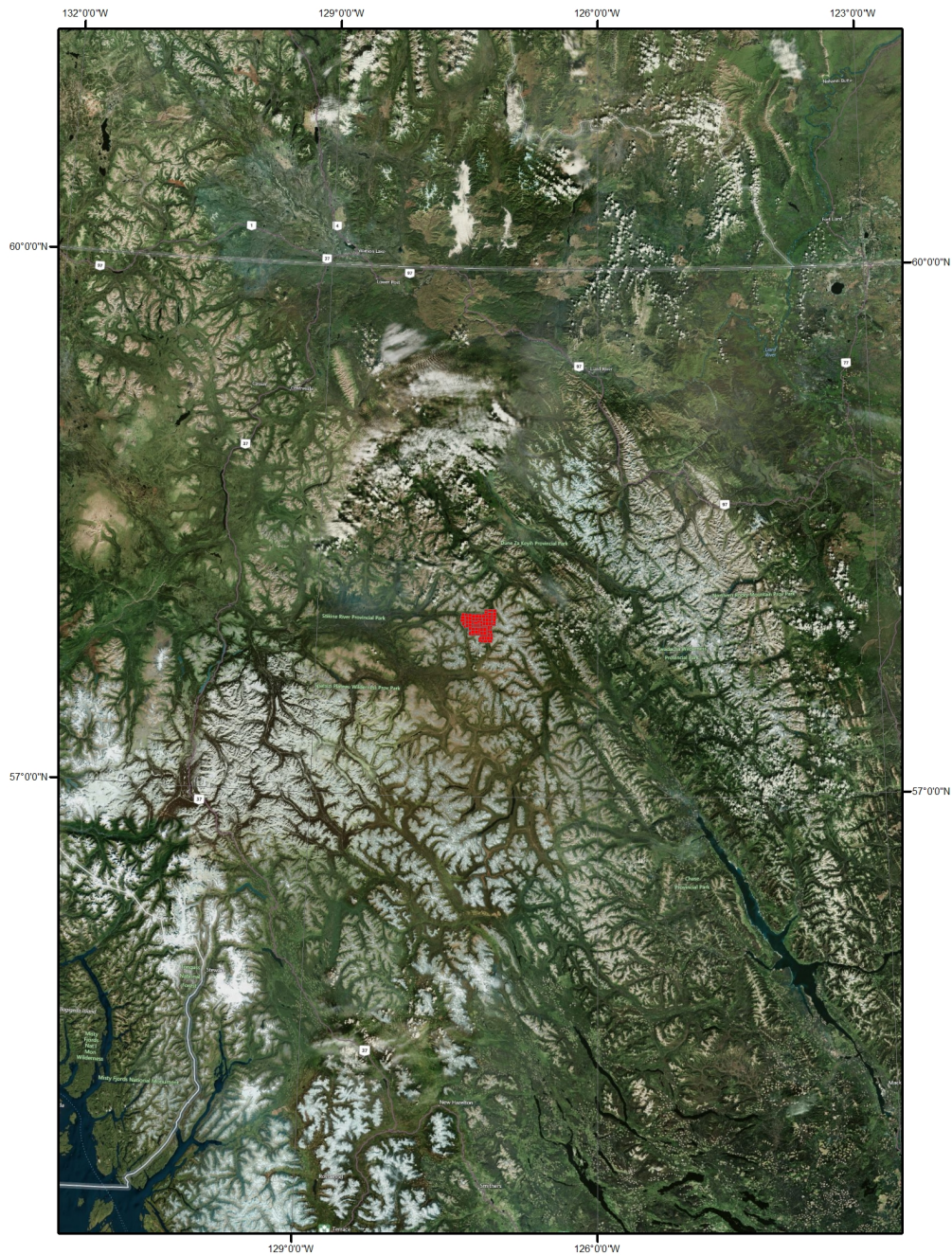
PROPERTY LOCATION AND ACCESS

The Frog property is located some 115 kilometres in the Stikine mountain range northwest of the community of Ft. Ware, British Columbia.

Access to the property is obtained via float plane from Muncho Lake situated on the Alaska Highway, some 137 kilometers to the northeast, and then by helicopter from a small fishing cabin situated on the northern shore of Frog lake.

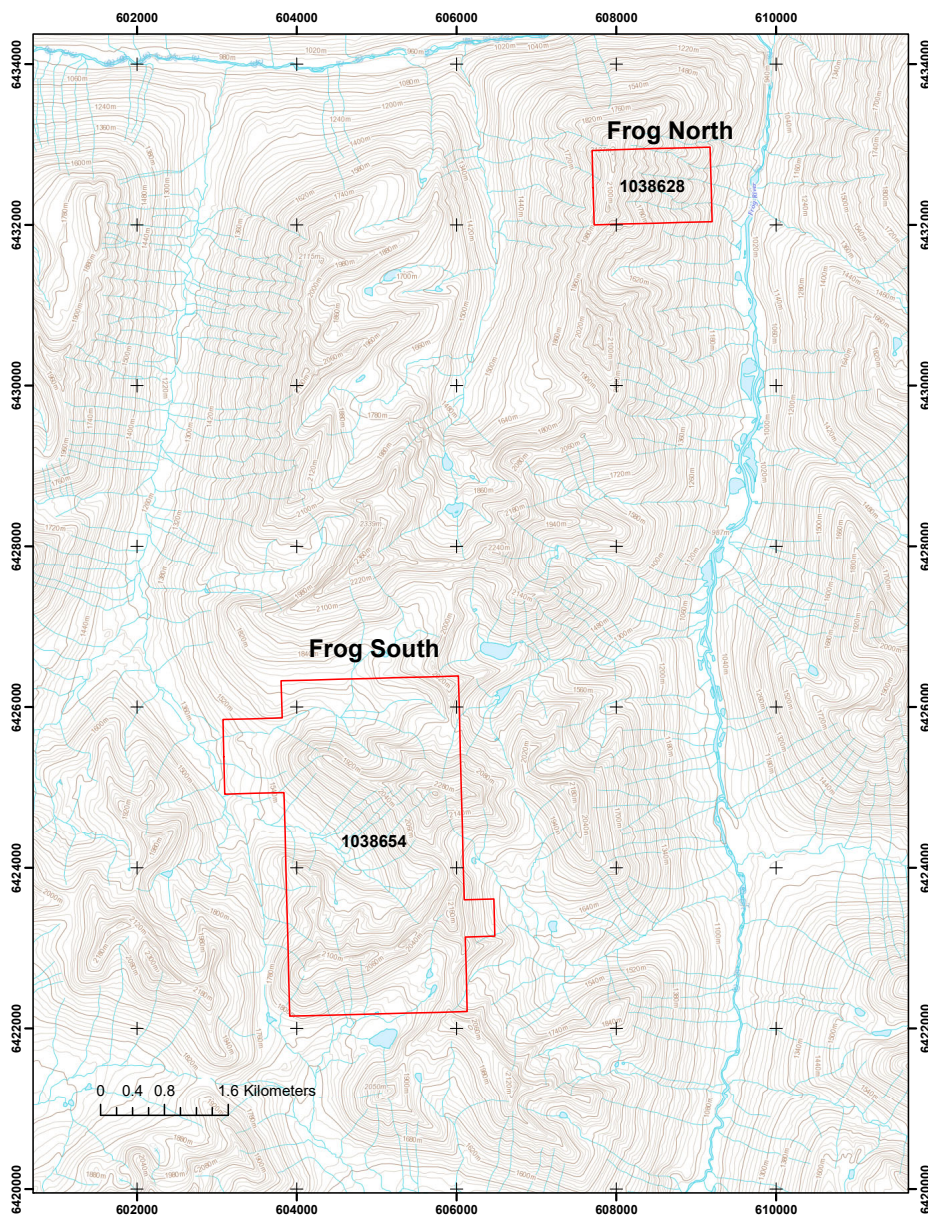
Alternatively, the project can be accessed by helicopter from Kemess mine site some 120 kilometers to the south-southeast where the crew was housed for the duration of this survey.

PROPERTY LOCATION AND ACCESS cont'd



Property Location Map

PROPERTY LOCATION AND ACCESS con't



Claim Map

PREVIOUS WORK.

The first recorded work in the area was conducted in 1968 by Cordilleran Engineering Limited for Quebec Cartier Mining Company. Geological mapping and stream sediment sampling were undertaken, investigating for copper and molybdenum occurrences.

Bitterroot Resources Ltd. staked a portion of the Frog property in April 2007 to investigate elevated RGS stream sediments samples and in July of 2008, a four person crew spent a single day on the property collecting stream sediment samples. The results of the survey yielded extremely anomalous copper and molybdenum, with the highest value being 3200 ppm copper.

In 2011 International Samuel Limited optioned the Frog property from Alex Walcott and Charles Greig, and in late spring of 2011, flew a 1029 kilometer airborne magnetic survey with a nominal line spacing of some 200 meters.

A follow up prospecting and sampling program was later carried out in the summer with the collection of 117 samples. The results of the program proved sufficiently encouraging to conduct a second program in the following year.

In 2012, International Samuel Limited collected some 520 rock and talus samples, and recorded some 80 regional observation points. The results of the program showed highly anomalous copper / molybdenum values over a broad region.

However, given the remoteness of the project, International Samuel Limited terminated the option in September 2014.

In 2015, Peter E. Walcott & Associates undertook a review of geophysical and remote sensing data.

For further information the reader is referred to the Government of British Columbia Aris website.

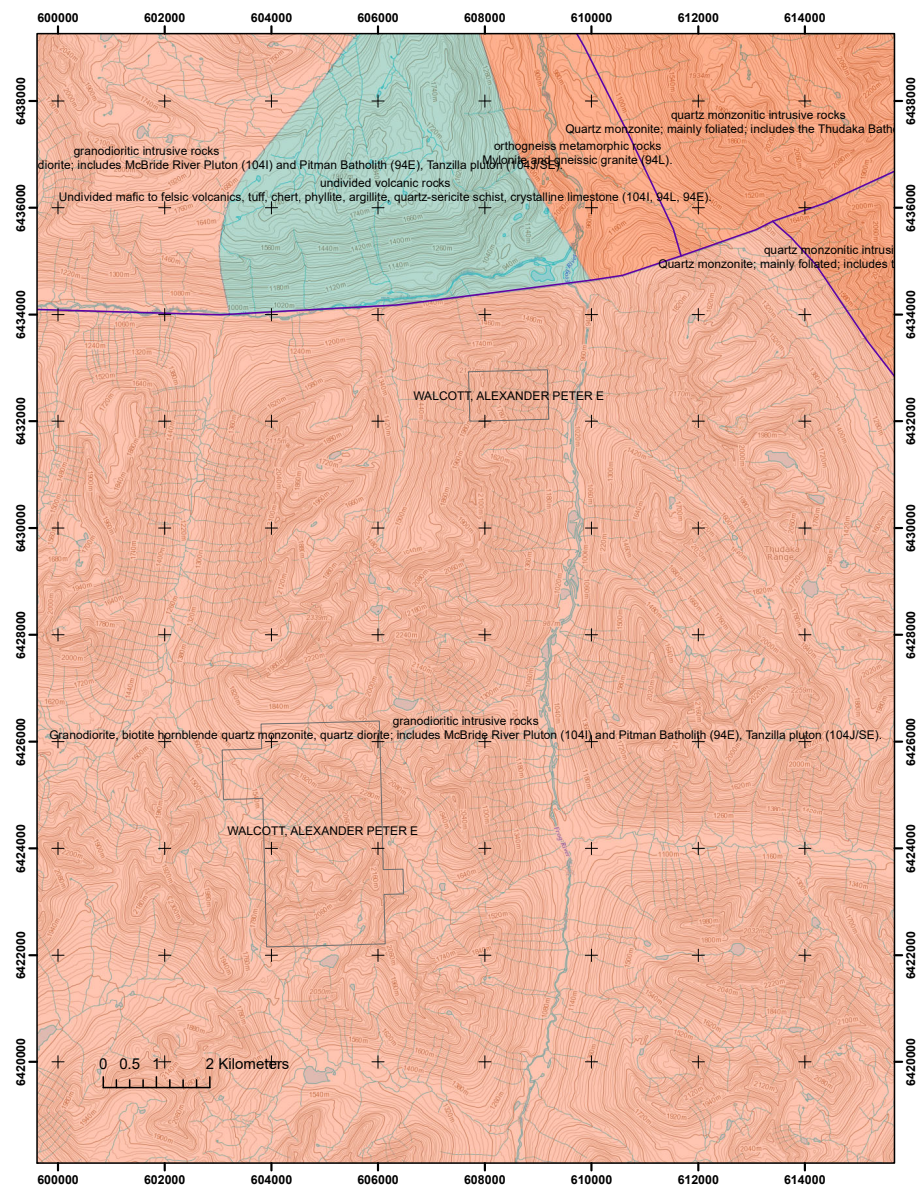
GEOLOGY.

The Frog property located in the Quesnellia terrane. Based on regional mapping the property appears to be underlain entirely by early Jurassic granodiorite intrusive rocks related to the Pitman Batholith. The property is bounded by the Pitman fault to the north, and Frog River fault in the east.

To date limited geological mapping has been undertaken in the project area, however the author would refer the reader to Aris reports 1674 and 30934, for a general synopsis of the geology.

For a detailed overview the author would refer the reader to the various assessment reports which contain detailed descriptions of the property geology.

GEOLOGY cont'd.



Property Geology After BCGS

PURPOSE.

The purpose of the of the modelling was to attempt to utilize the data from the detailed high-resolution magnetic survey to locate discrete features potentially associated with high grade copper, gold and silver samples.

SURVEY SPECIFICATIONS.

The Historic Airborne Magnetic Survey.

The airborne magnetic survey was conducted using a bird type system towed on a 65' line by a ASTAR BA (GSKJ) operated by Silver King Helicopters Ltd of Smithers, British Columbia.

The bird unit consists of three main components – C-824 Cesium Magnetometer manufactured by Geometrics San Jose, California, AR3000 Laser Range Finder manufactured by Acuity of Portland, Oregon and a 19x GPS manufactured by Garmin International Inc. of Kansas City, Kansas.

The C-824 Cesium Magnetometer is a highly sensitive magnetic sensor capable of providing sensitivity up to 0.01 nT and sampling rates up to 1000 Hz. On this survey a sampling rate of 10 Hz was employed.

The respective components were in turn connected to the helicopter via a shielded multi-conductor cable within the tow line for power and data transmission to the logging units on the helicopter.

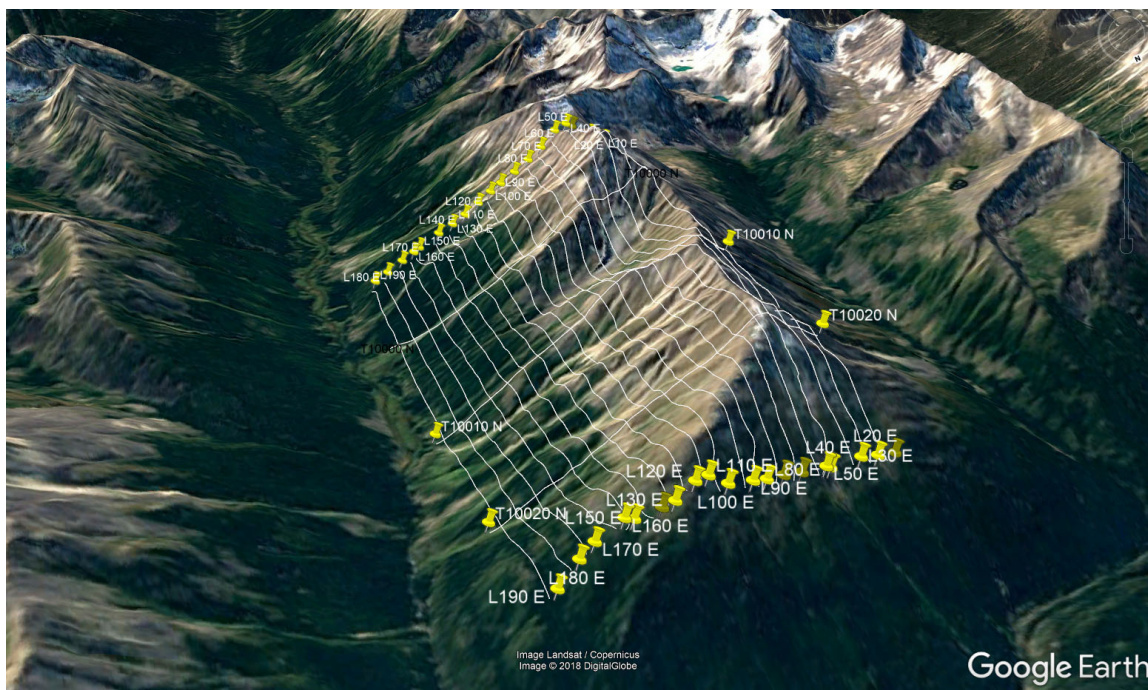
Flight line navigation data was obtained using Hemisphere R330 GNSS receiver with a 10 Hz update rate.

Data logging and navigation were carried out utilizing Geometrics MagLogPro software on a Panasonic CF-19 Toughbook computer with a secondary 7" daylight viewable pilot navigation monitor.

In addition to the airborne unit the survey also utilized two GSM 19 overhauser magnetometer manufactured by GEM Instruments of Richmond Hill, Ontario as base magnetometers. These instruments measure variations in the total intensity of the earth's magnetic field to an accuracy of plus or minus one nanotesla.

SURVEY SPECIFICATIONS cont'd

| Survey Area | # of Lines | # of Tie Lines | Total Distance | Mean Bird Height |
|-------------|------------|----------------|----------------|------------------|
| Frog North | 19 | 3 | 71 km | 59.4 |



Flight Lines Frog North in Google Earth

DATA PROCESSING AND PRESENTATION.

The data was first exported from MagLogPro, where the various sensor inputs were merged into Geosoft compatible ascii files. This merged dataset was then loaded into Geosoft Oasis Montaj for data reduction and processing.

The data was first corrected for diurnal magnetic drift, utilizing the magnetic base stations. The data was then lag corrected to account for positioning errors due to instrument delay and other positional errors. Tie line levelling was then undertaken prior to gridding.

Gridding was then undertaken on the levelled line data utilizing Geosoft's Rangrid algorithm using a 17.5 meter cell size.

The reduced and leveled data set was then subject to several filtering techniques using the Geosoft MagMap module for evaluation and presentation.

The magnetic data for each of the respective blocks presented in this report is Contours of Total Magnetic Intensity.

DATA INVERSION.

The base station corrected results were then exported into two separate datasets; a Geosoft data base and a format compatible with UBC-GIF Mag3dInv.

Topography for the respective models was obtained from BC Trim data, and formatted appropriately for the respective code.

The UBC inversion was done only a secondary check for the Geosoft Voxi inversion code, and was not presented.

Utilizing Geosoft Voxi potential field modelling a 25-meter mesh was generated, and the data imported. The height for the magnetic sensor was obtained from the bird laser. The none leveled corrected data was then uploaded to the model.

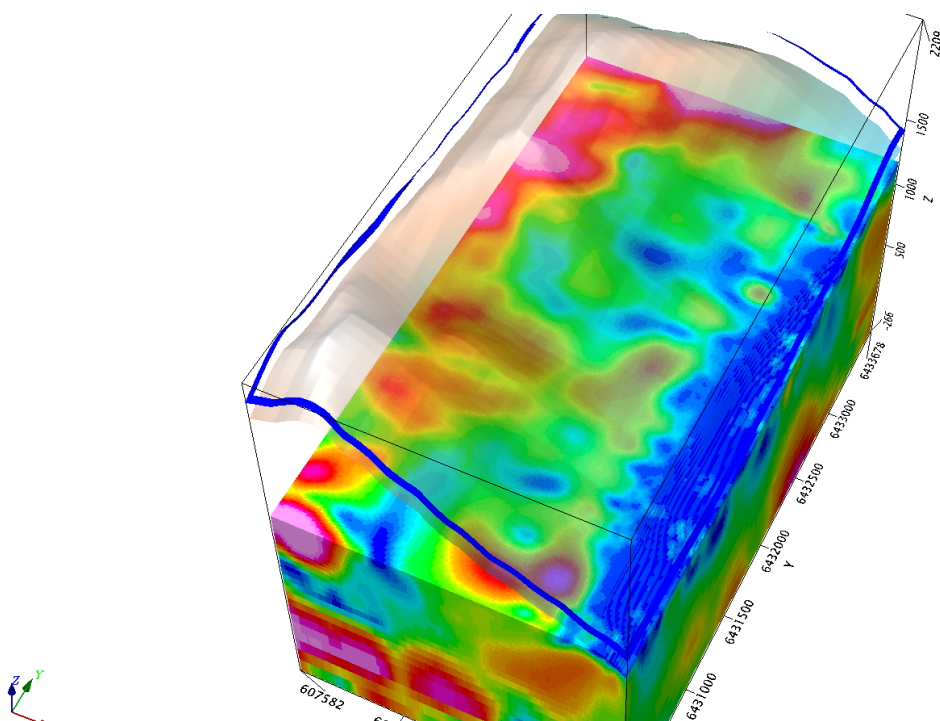
Two separate modelling techniques were utilized. First a conventional magnetic susceptibility model was carried out, and the resulting product was analyzed. A subsequent inversion was then carried out using a magnetic vector inversion. Results for the latter are presented in Appendix A.

DISCUSSION OF RESULTS.

The 2017 high resolution airborne magnetic survey conducted over the Frog property was designed to re-fly select portions of the Frog property which were previously flown by International Samuel Limited in 2011. This was carried out for two reasons; A) to achieve a higher density data B) to attempt to reduce the instrument high by varying the flight line directions.

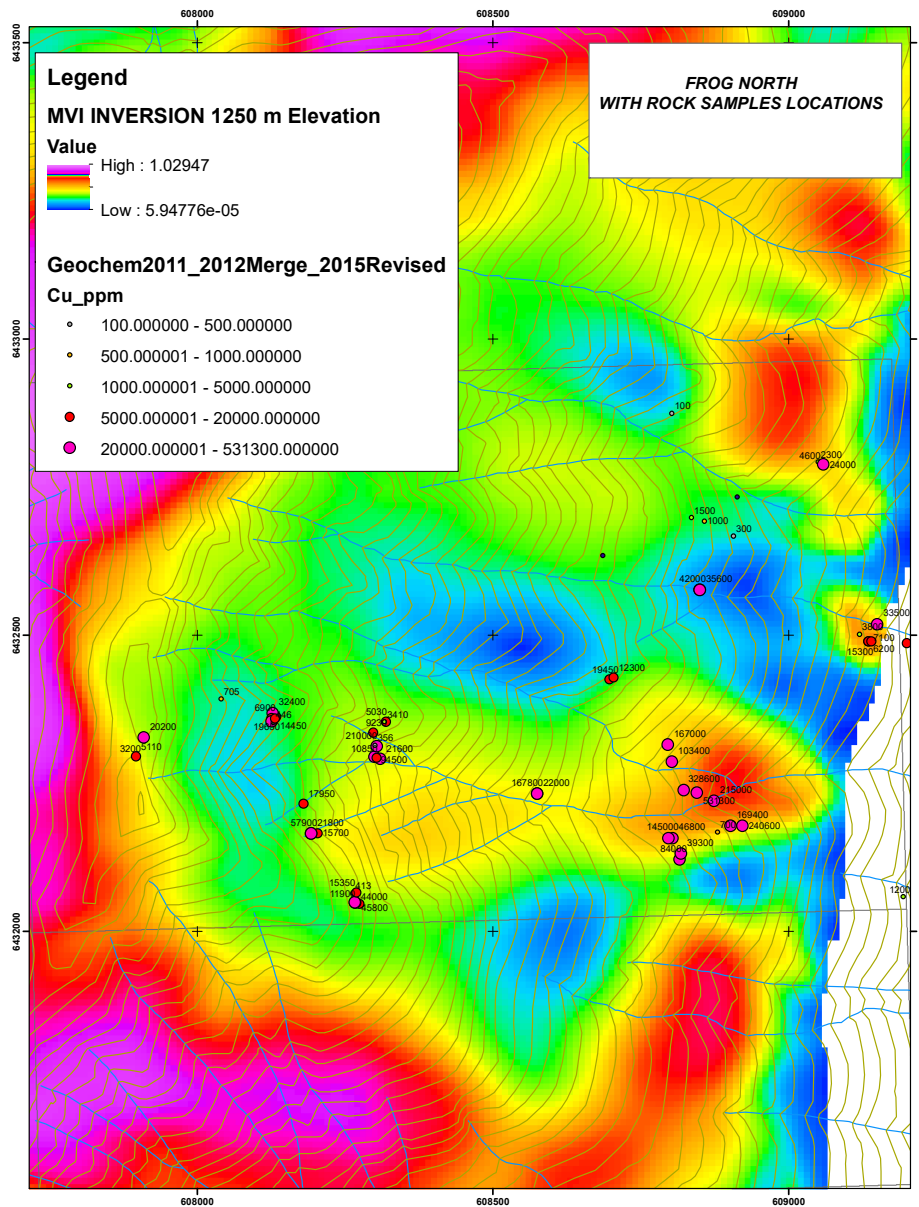
The subsequent 3D inversion of the 2017 high resolution dataset was to attempt to gain any additional information proximal high grade mineralization observed in historic work.

The model yielded a slight zone of elevated magnetic amplitude proximal to high grade samples, however this is inconclusive.



**3D View of MVI Amplitude Voxel
Looking North**

DISCUSSION OF RESULTS cont'd.



SUMMARY, CONCLUSIONS & RECOMMENDATIONS.

Between September 1st and 8th, 2018, Peter E. Walcott & Associates Limited undertook a 3D magnetic inversion over the Frog North properties, located in the Toodoggone area of British Columbia.

The inversion was carried out on a high resolution data set with a nominal spacing of some 100 meters on north-south orientations

The results of the inversion met with limited success only showing a weak correlation to known mineralization.

Additional mapping and field work is still warranted given the high grade nature of the samples, this should be undertaken by an experience geologist.

Respectfully submitted,

PETER E. WALCOTT & ASSOCIATES LTD.

**Alexander Walcott
Geophysicist**

**Coquitlam, B.C.
January 2019**

APPENDIX I

COST OF PROJECT.

Peter E. Walcott & Associates Limited undertook 3D inversion of the Frog property for a flat rate of \$1500.00, and additional \$600.00 was charged for reporting thus the total cost of services provided was \$2,100.00

PERSONNEL EMPLOYED.

| Name | Occupation | Address | Dates |
|----------------------|-------------------|---|--|
| Peter E. Walcott | Geophysicist | Unit 111- 17 Fawcett Rd. Coquitlam, B.C. V3K 6V2 | |
| Alexander Walcott | " | " | Sept 1 th -8 th , 2018 |

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.
January 2018**

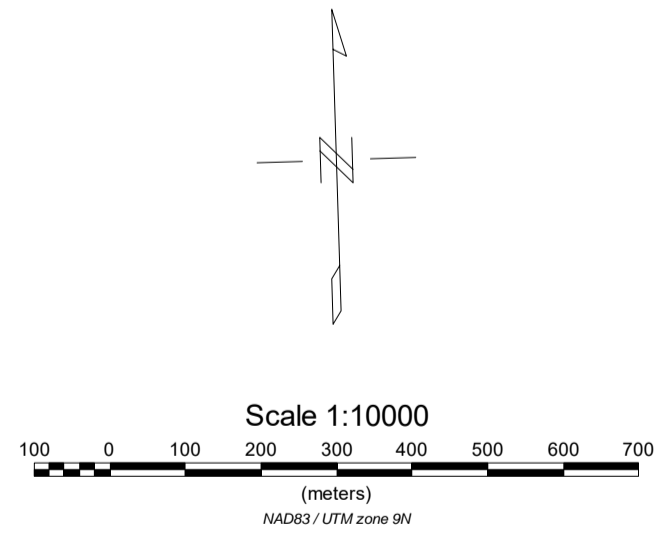
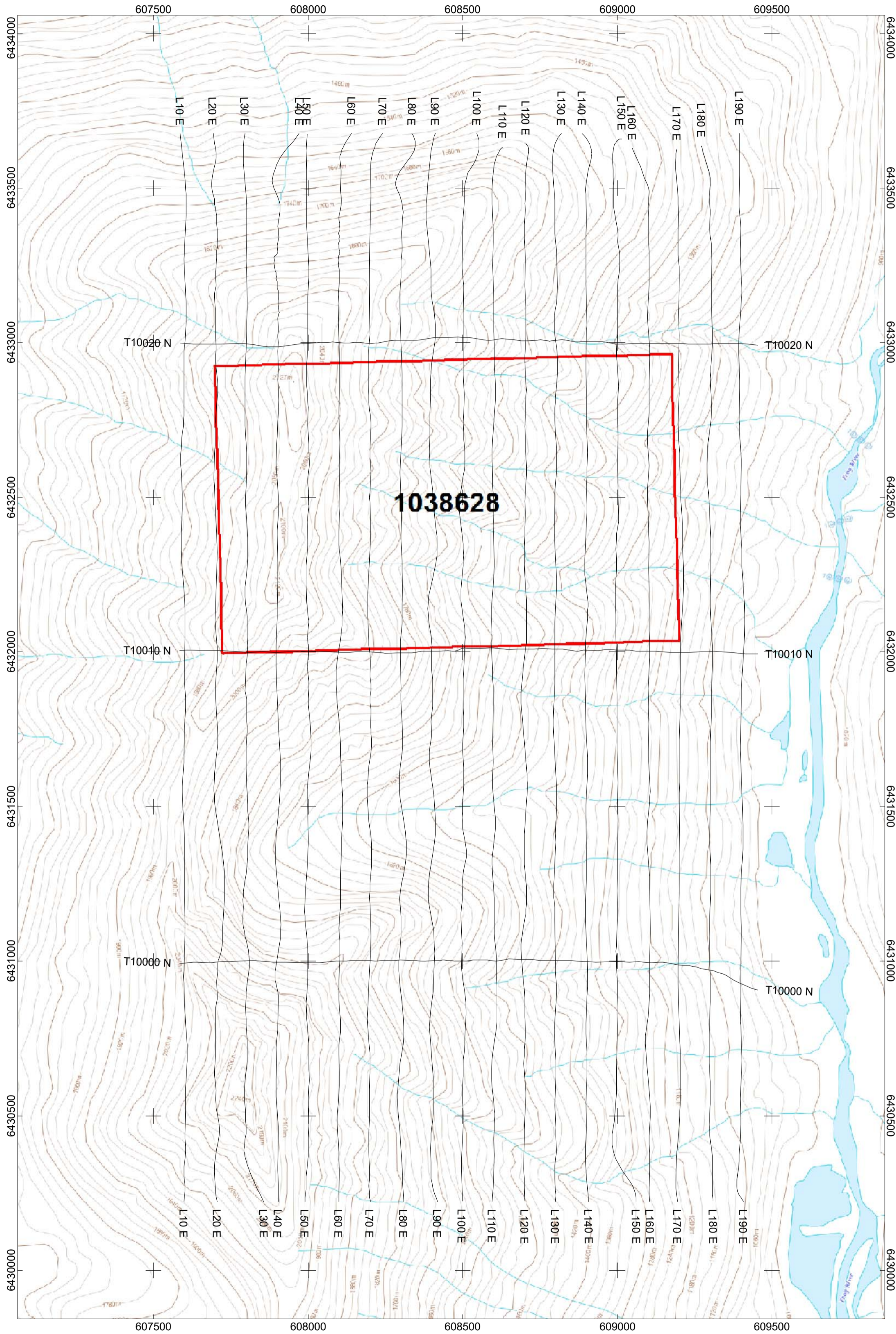
REFERENCES.

Bell, T. , A geochemical and Prospecting Report on the Copper Frog Property,
Liard Mining Division, British Columbia, Assessment Report 30934

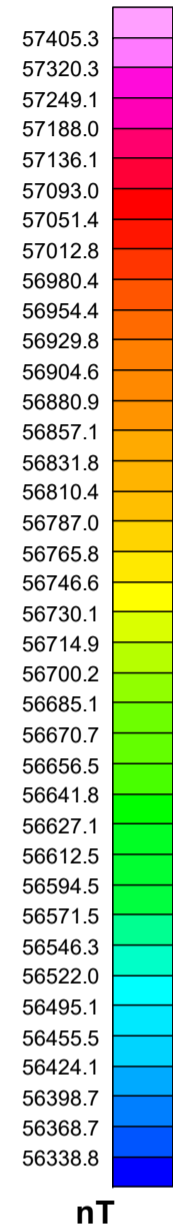
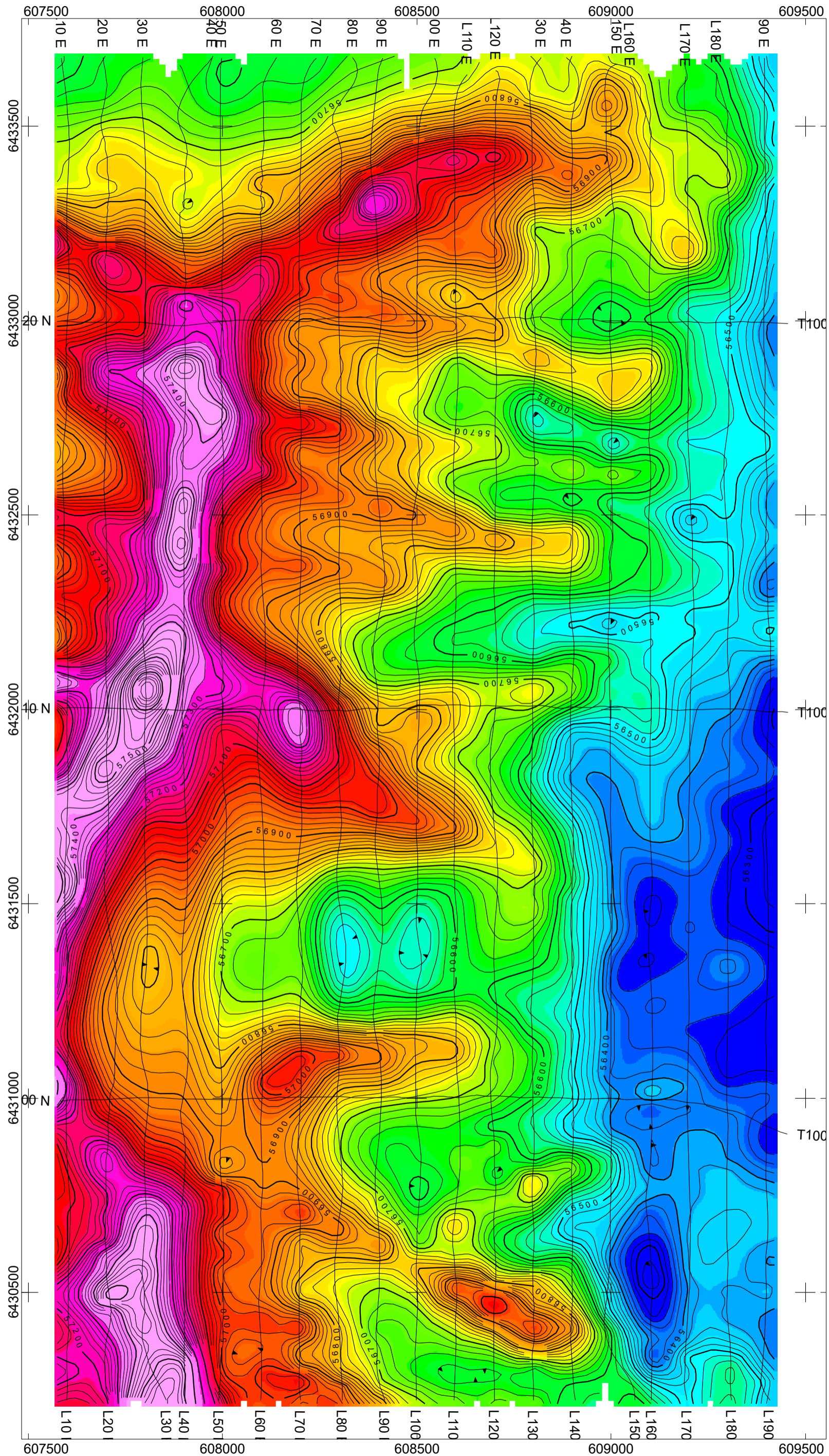
Flasha, S.T. and Greig C.J. , 2008 Stream Sediment Geochemistry,
Pit Bullfrog Property, Toodoggone River Area
Liard Mining Division, Northern British Columbia, Assessment Report 30681.

Kalninus, T. and Stollery, J.W. , Geological and Geochemical Report from July 21 to
August6, 1968 on the TK Nos. 1 – 88 Claims,
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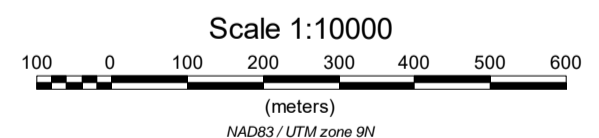
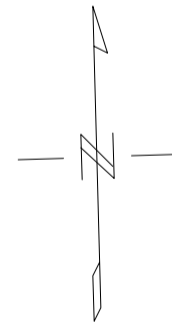
Strickland, Derrick, Assessment Report on the Frog Property,
Liard Mining Division, Northern British Columbia, Assessment Report 33391



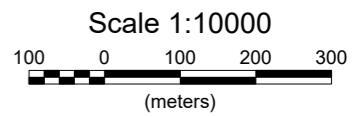
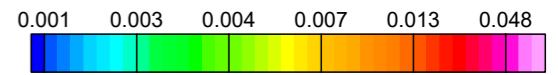
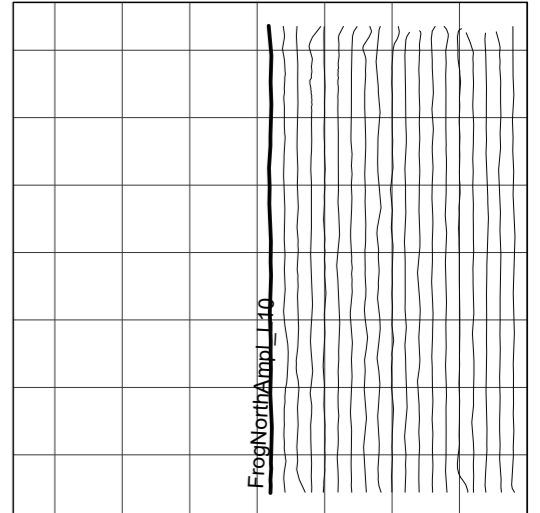
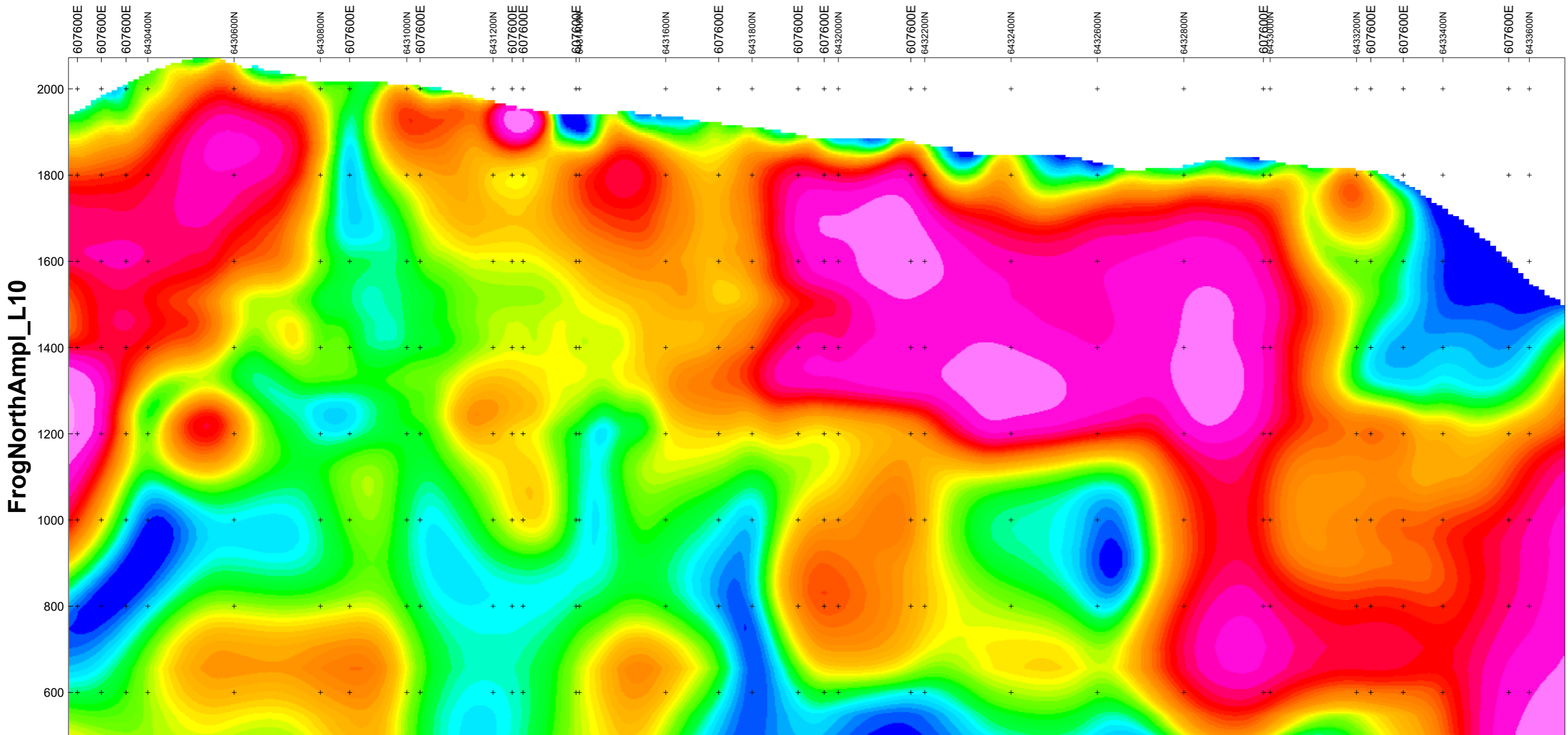
GREIG, WARREN, WALCOTT
AIRBORNE MAGNETIC SURVEY
CLAIM AND FLIGHT LINE LOCATION MAP
 FROG NORTH
 TOODOGGONE AREA, BRITISH COLUMBIA
 SEPTEMBER 2018
PETER E. WALCOTT & ASSOCIATES LIMITED



nT



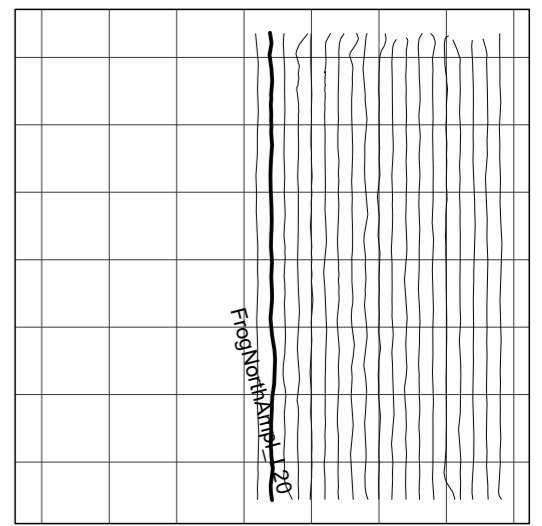
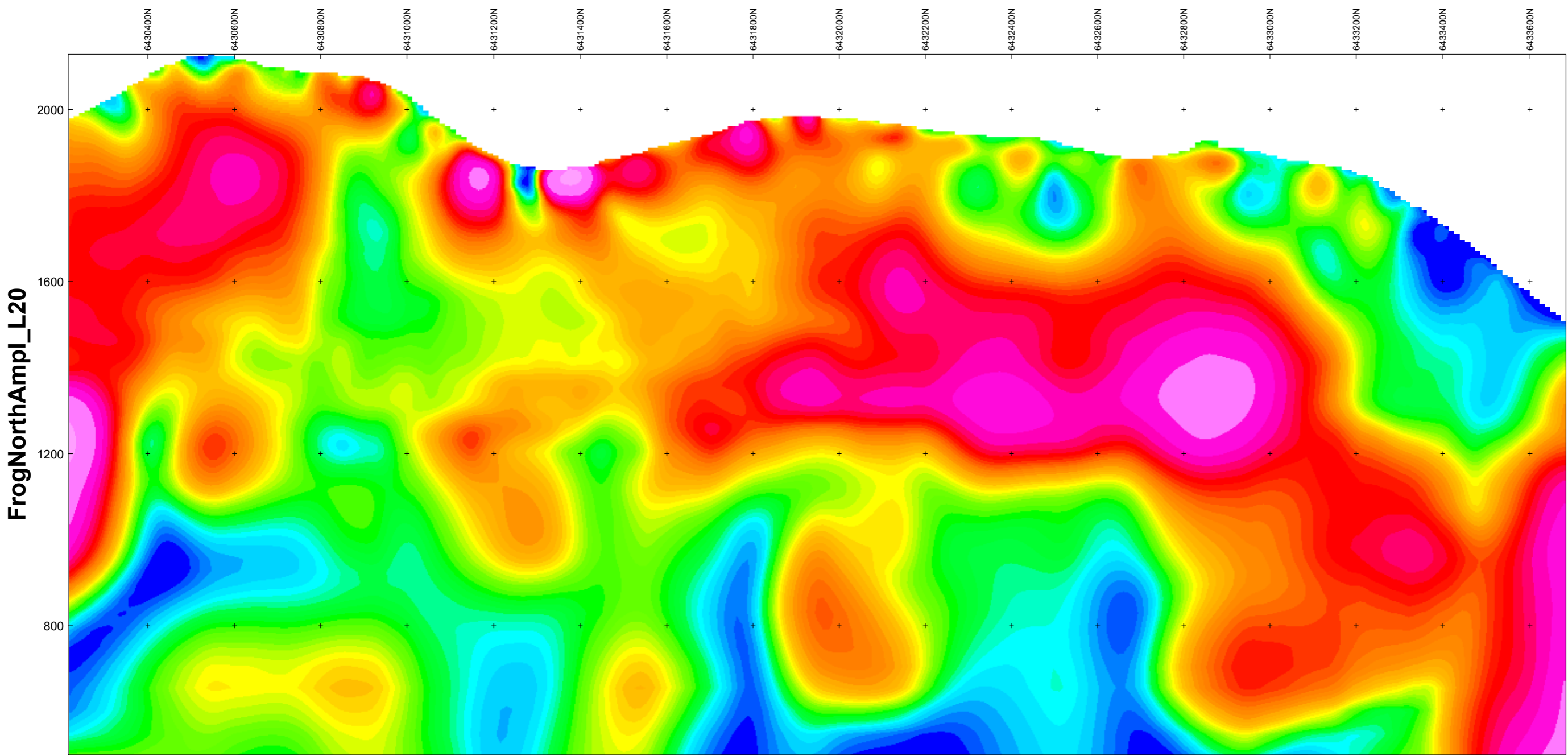
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AIRBORNE MAGNETIC SURVEY
CONTOURS OF TOTAL FIELD INTENSITY (nT)
 FROG NORTH
 TOODOGGONE AREA, BRITISH COLUMBIA
 SEPTEMBER 2018
PETER E. WALCOTT & ASSOCIATES LIMITED



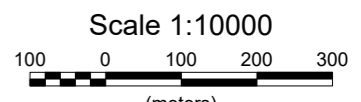
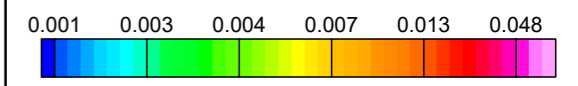
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**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH



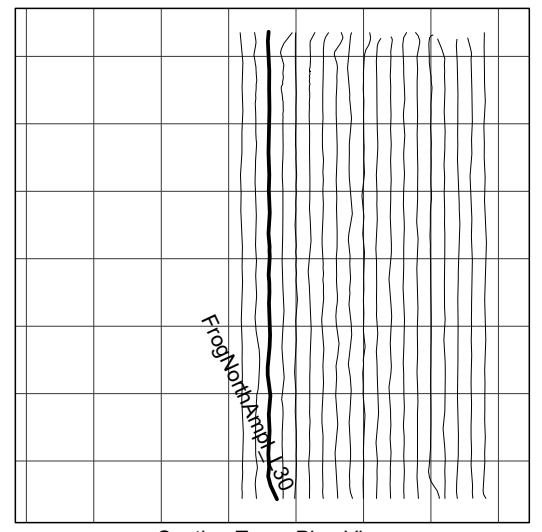
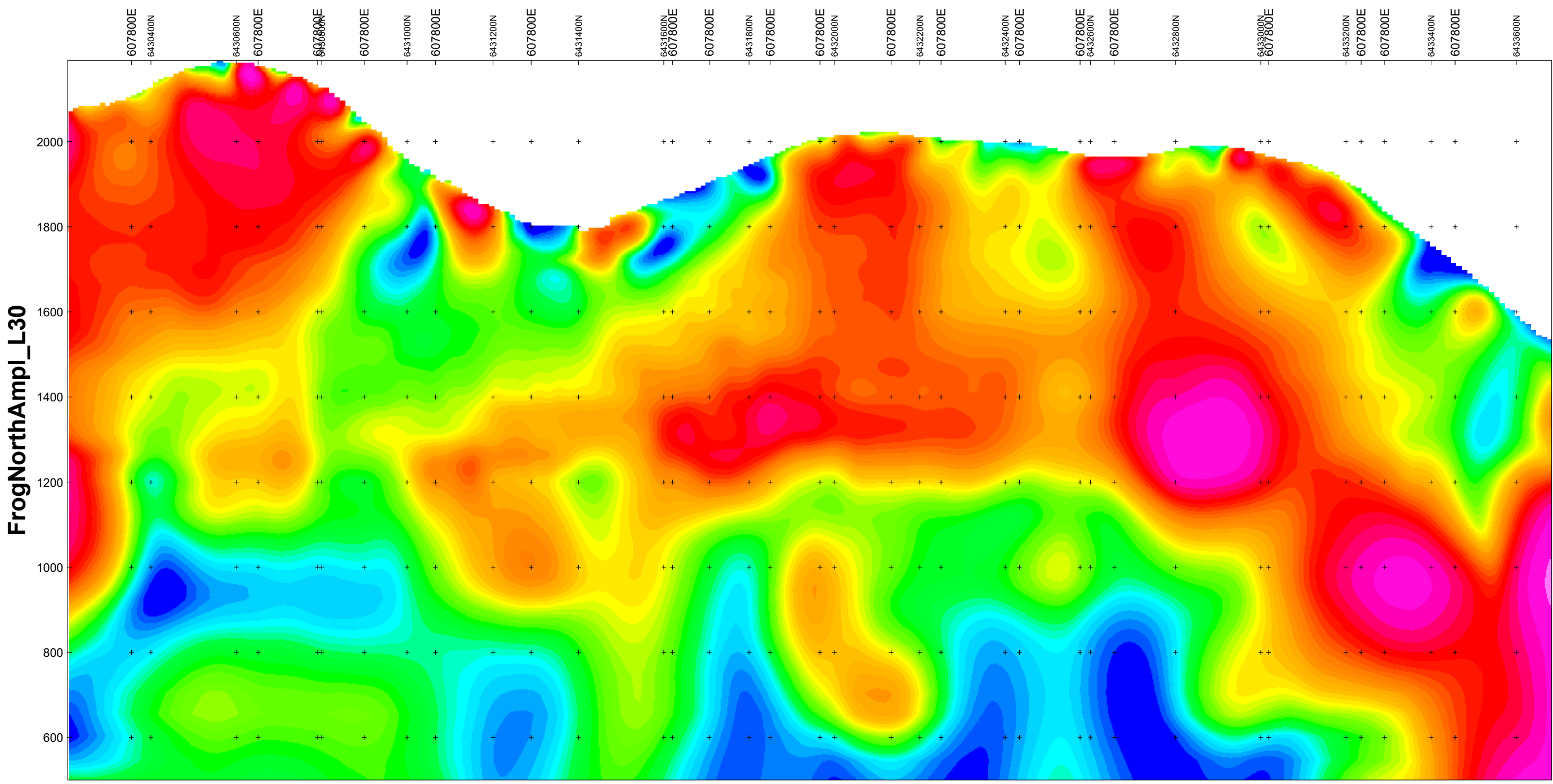
Section Trace Plan View



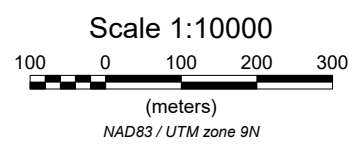
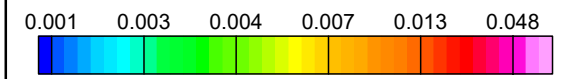
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**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH



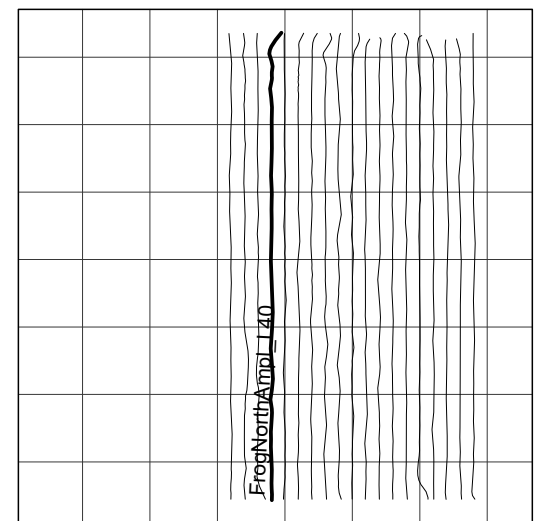
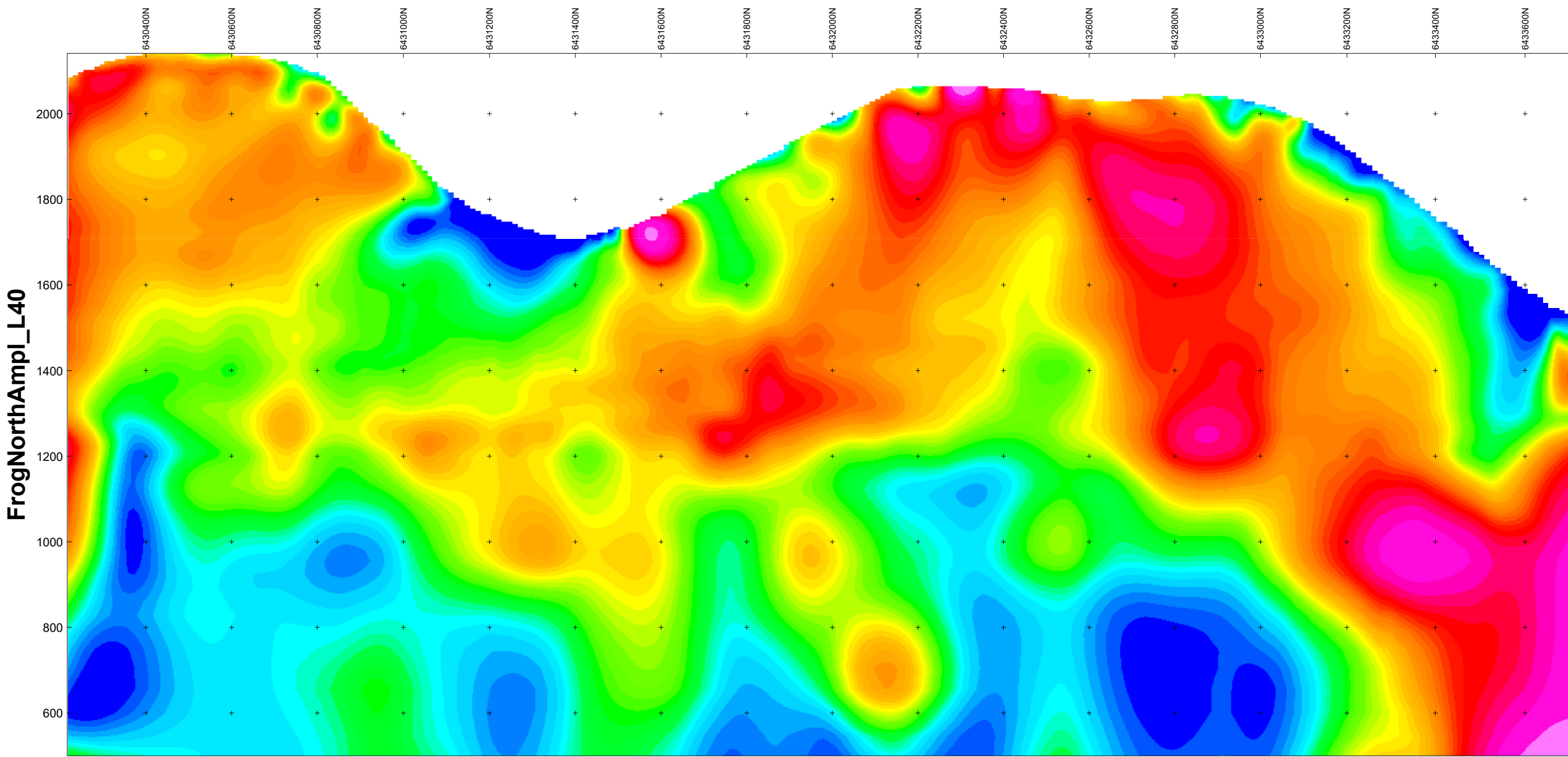
Section Trace Plan View



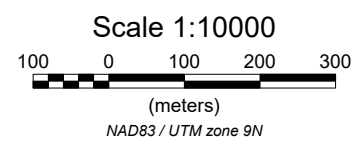
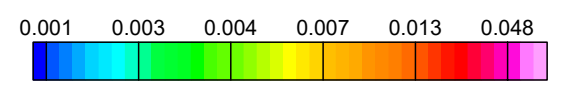
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**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH



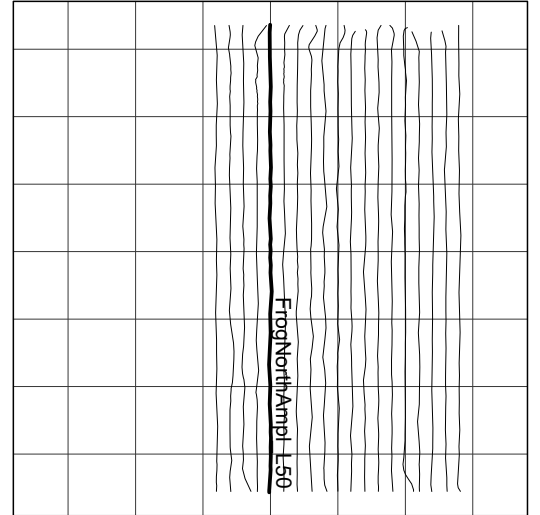
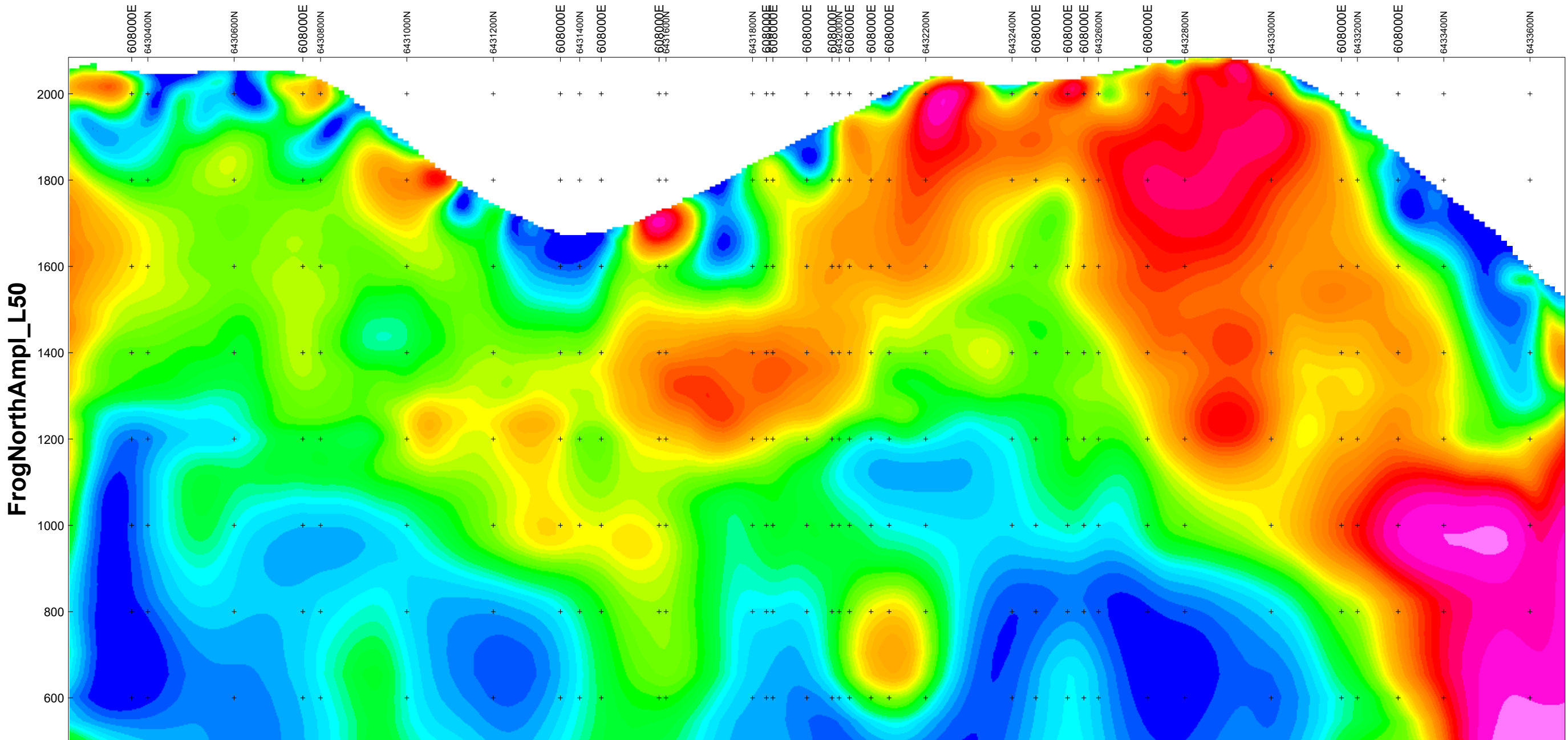
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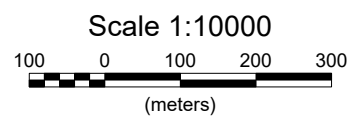
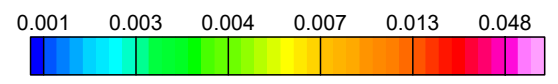
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**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH



Section Trace Plan View

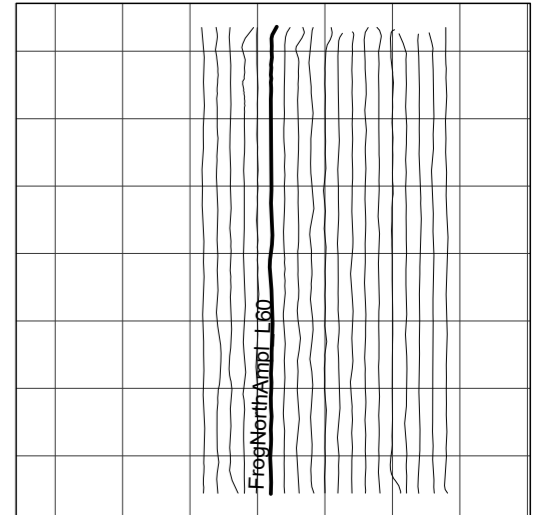
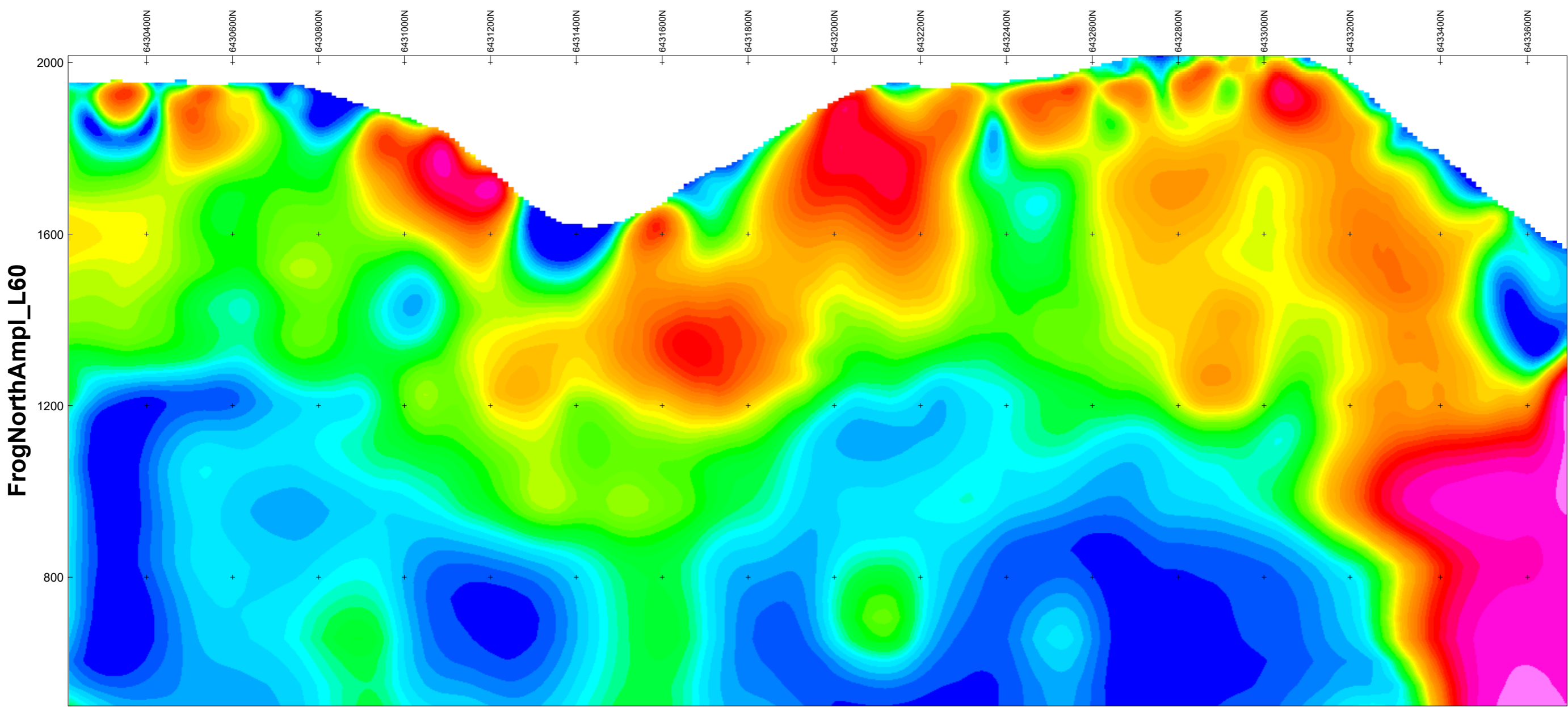


NAD83 / UTM zone 9N

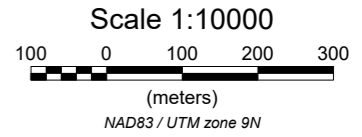
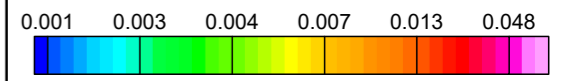
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**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH



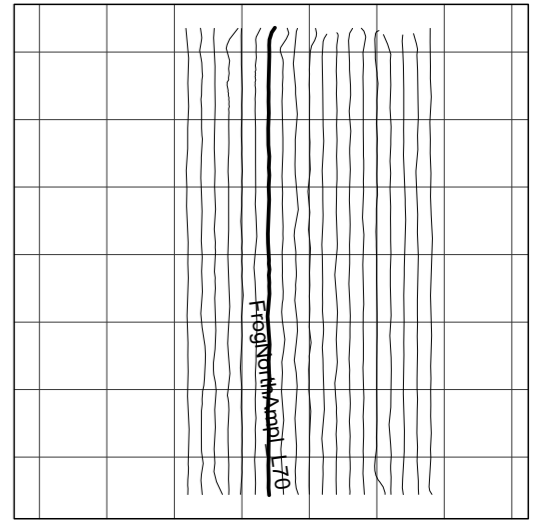
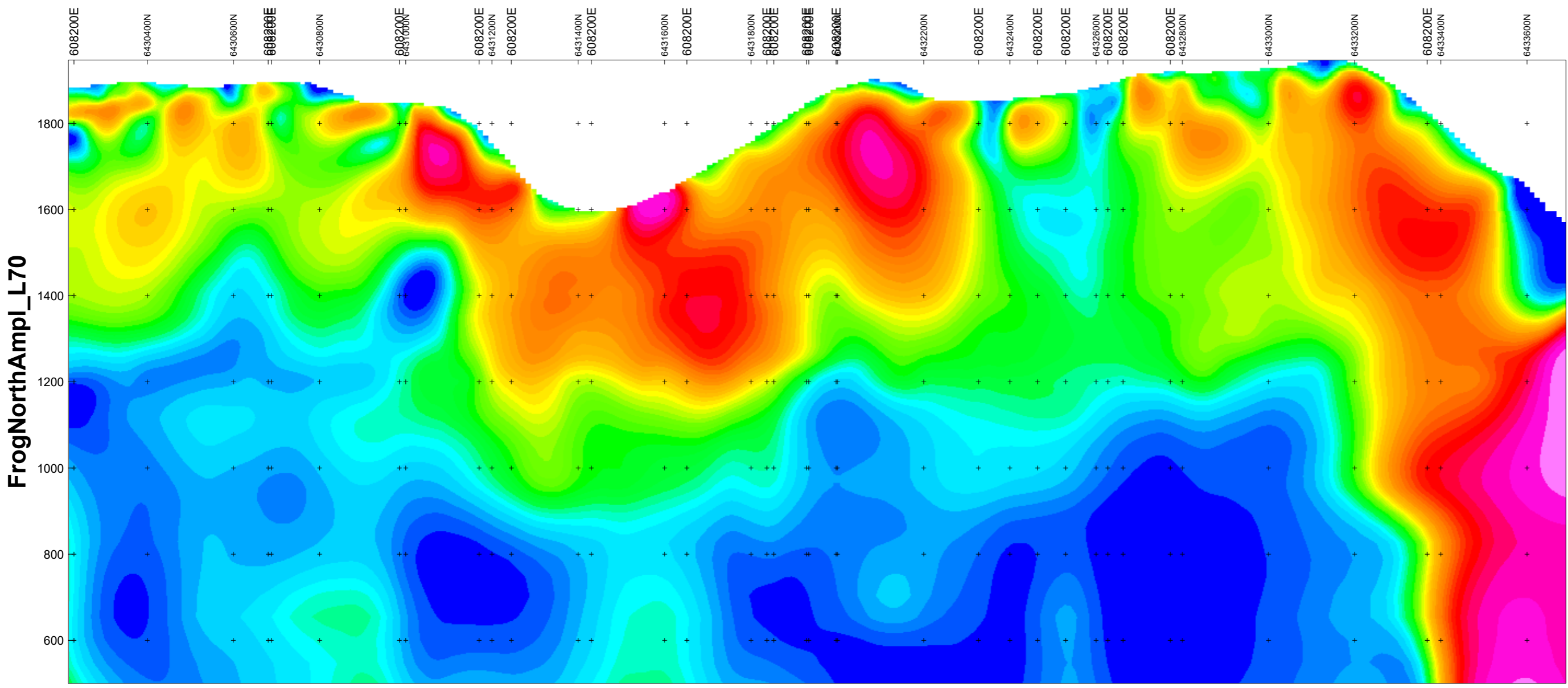
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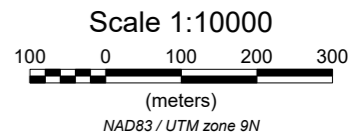
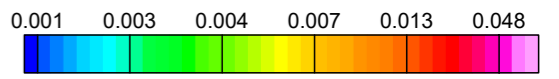
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**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH



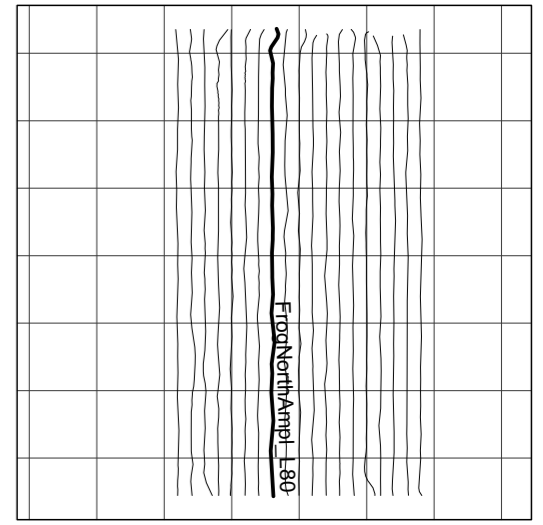
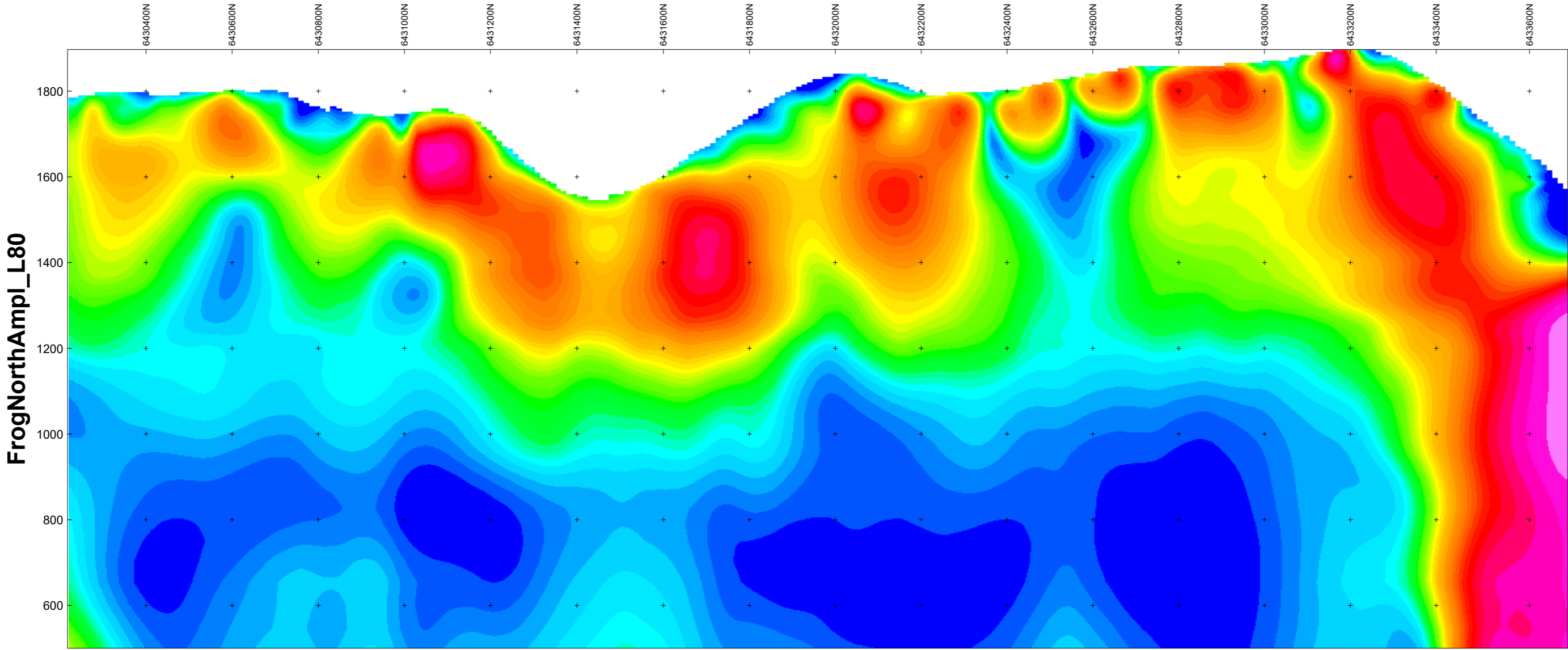
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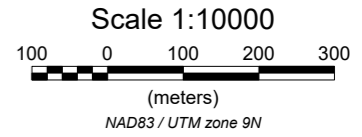
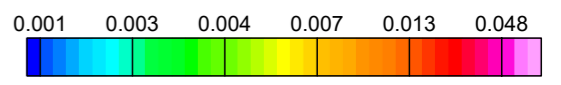
Vertical Exaggeration: 1

**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH



Section Trace Plan View

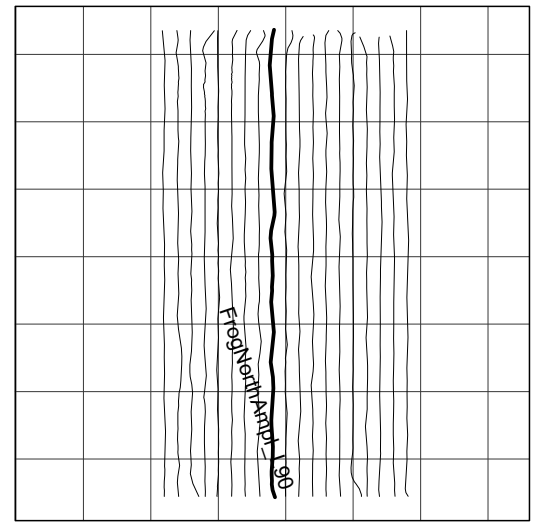
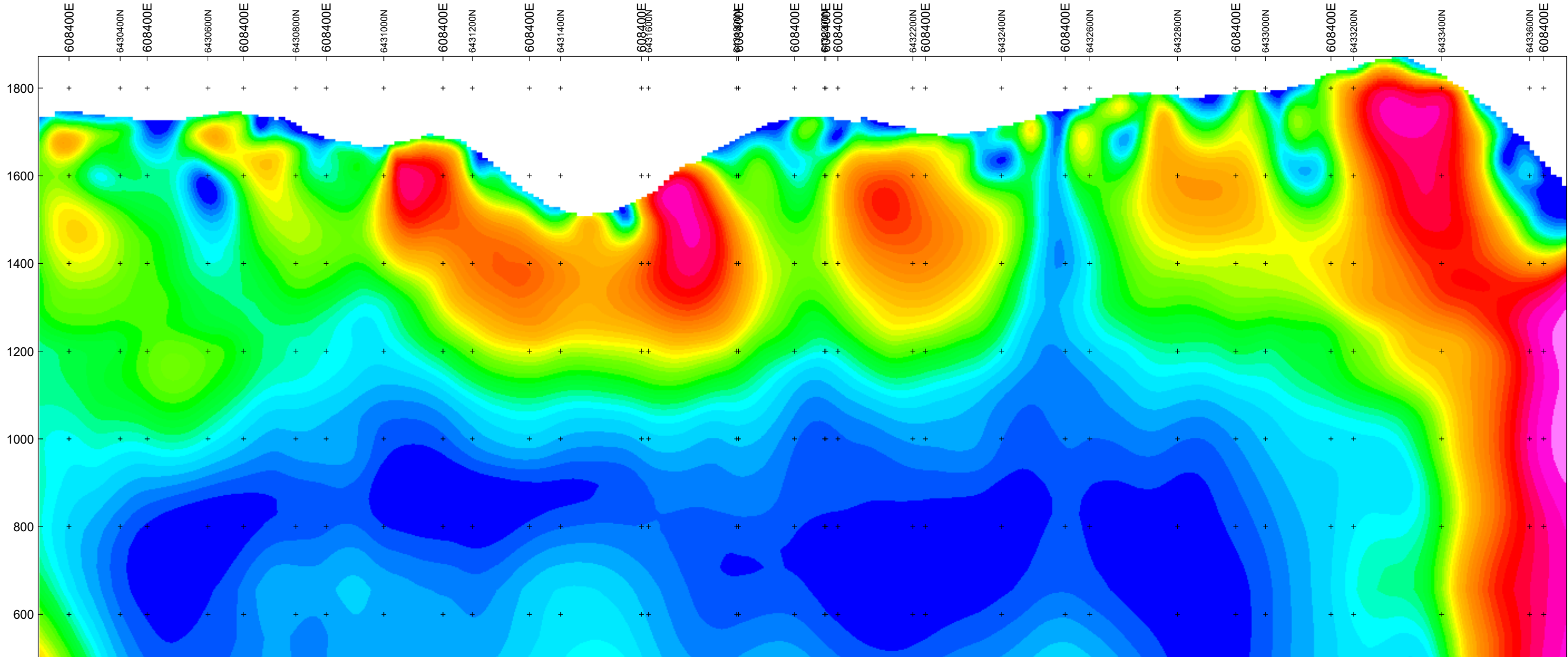


Vertical Exaggeration: 1

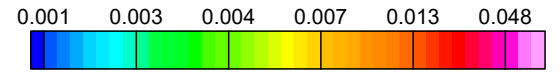
**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH

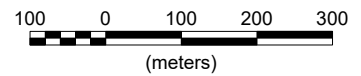
FrogNorthAmpl_L90



Section Trace Plan View



Scale 1:10000



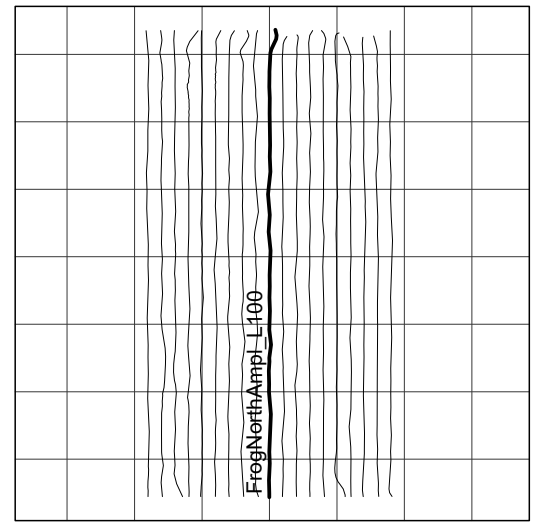
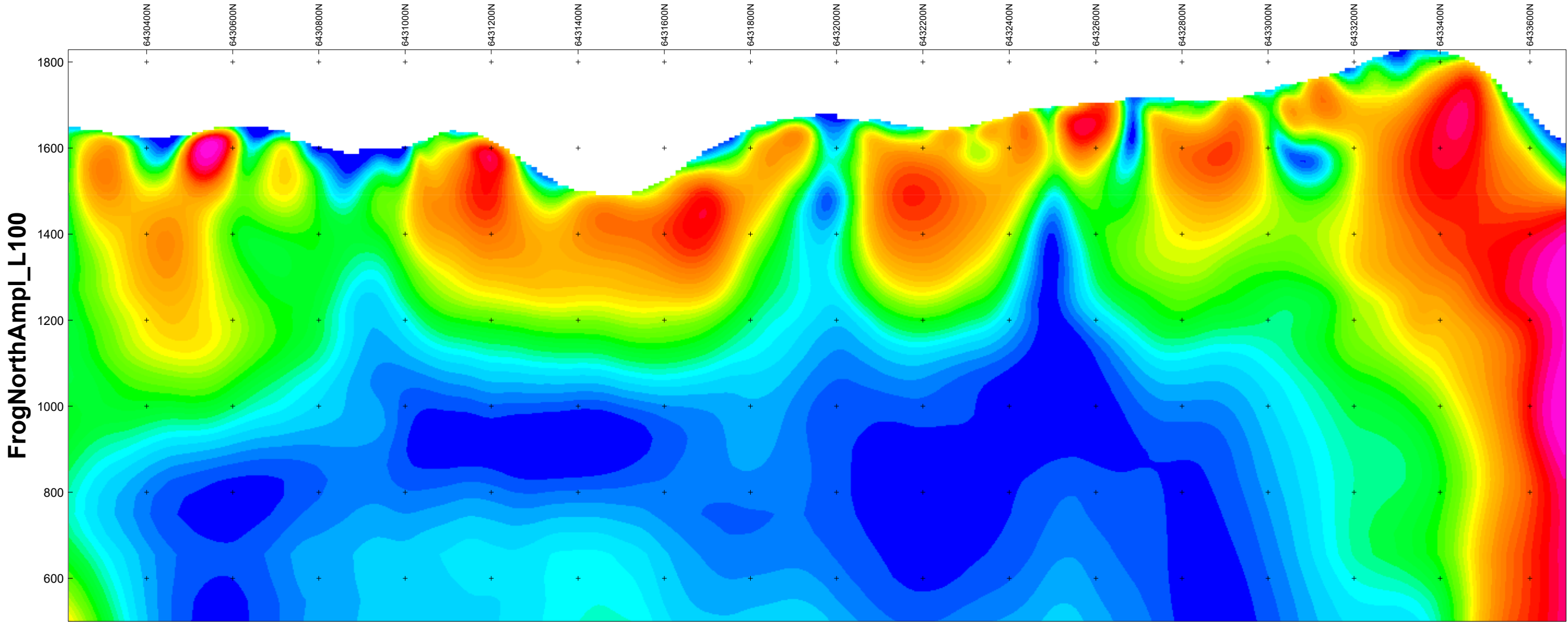
(meters)

NAD83 / UTM zone 9N

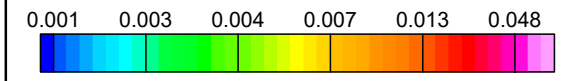
Vertical Exaggeration: 1

**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

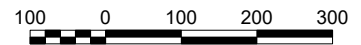
FROG NORTH



Section Trace Plan View



Scale 1:10000

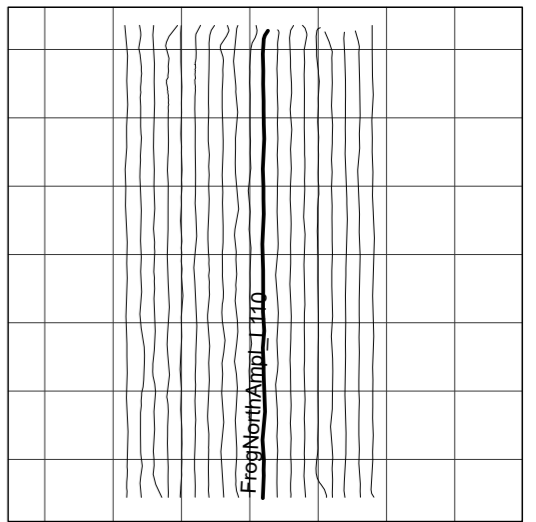
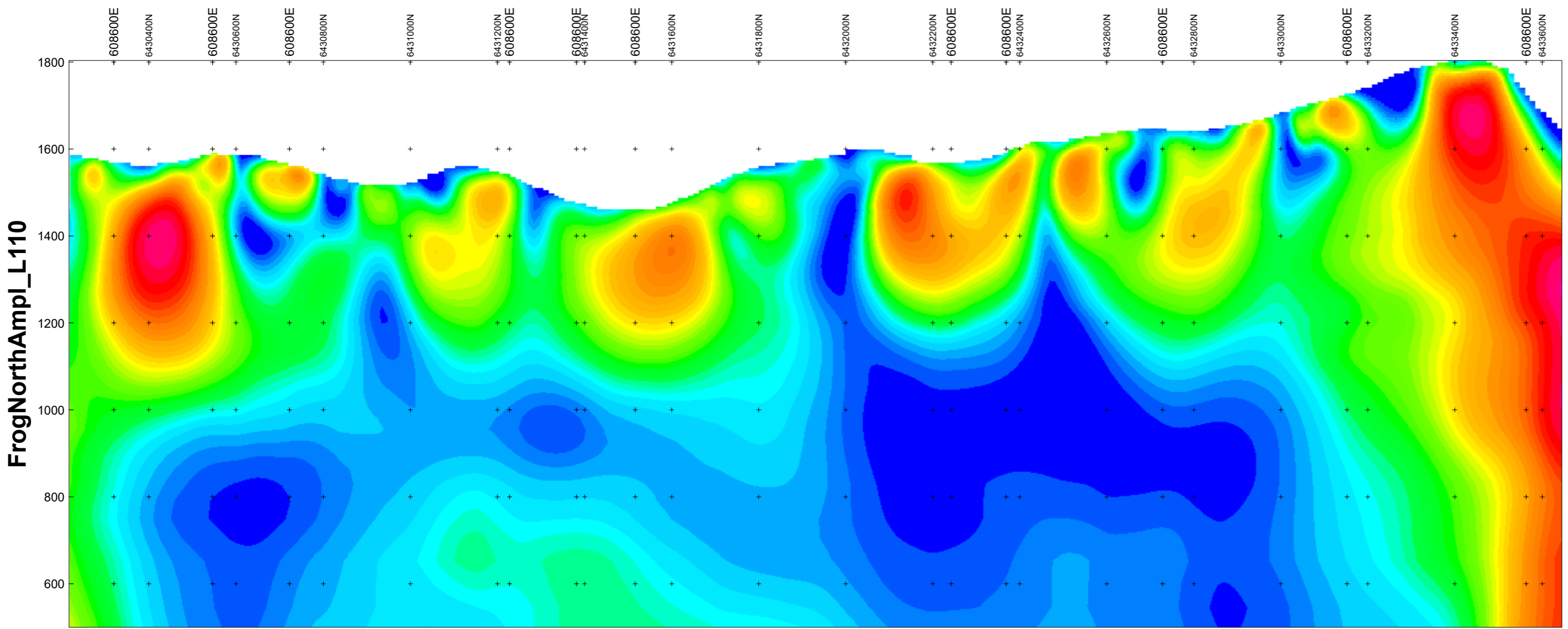


(meters)
NAD83 / UTM zone 9N

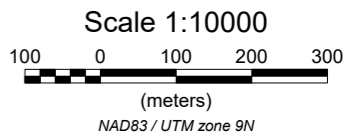
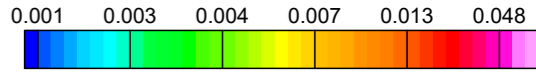
Vertical Exaggeration: 1

**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH



Section Trace Plan View

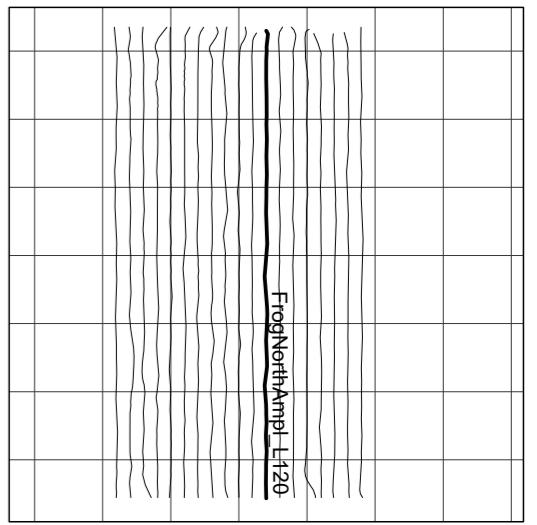
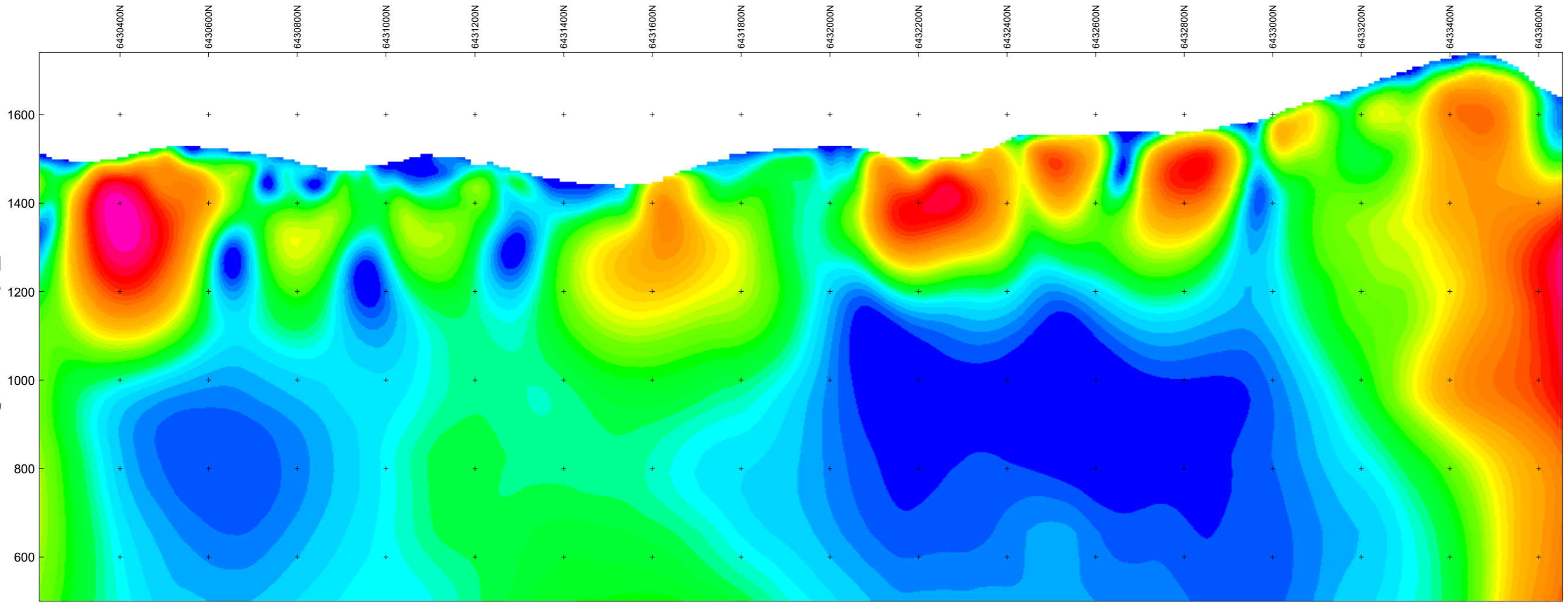


Vertical Exaggeration: 1

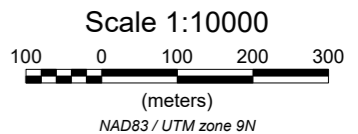
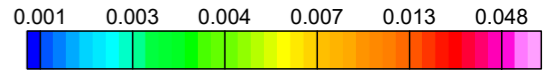
**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH

FrogNorthAmpl_L120



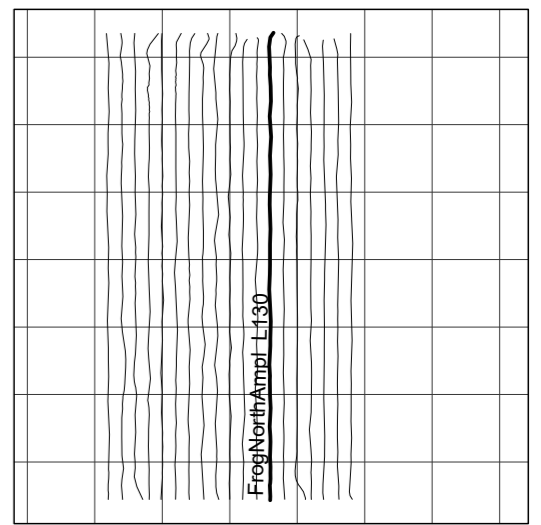
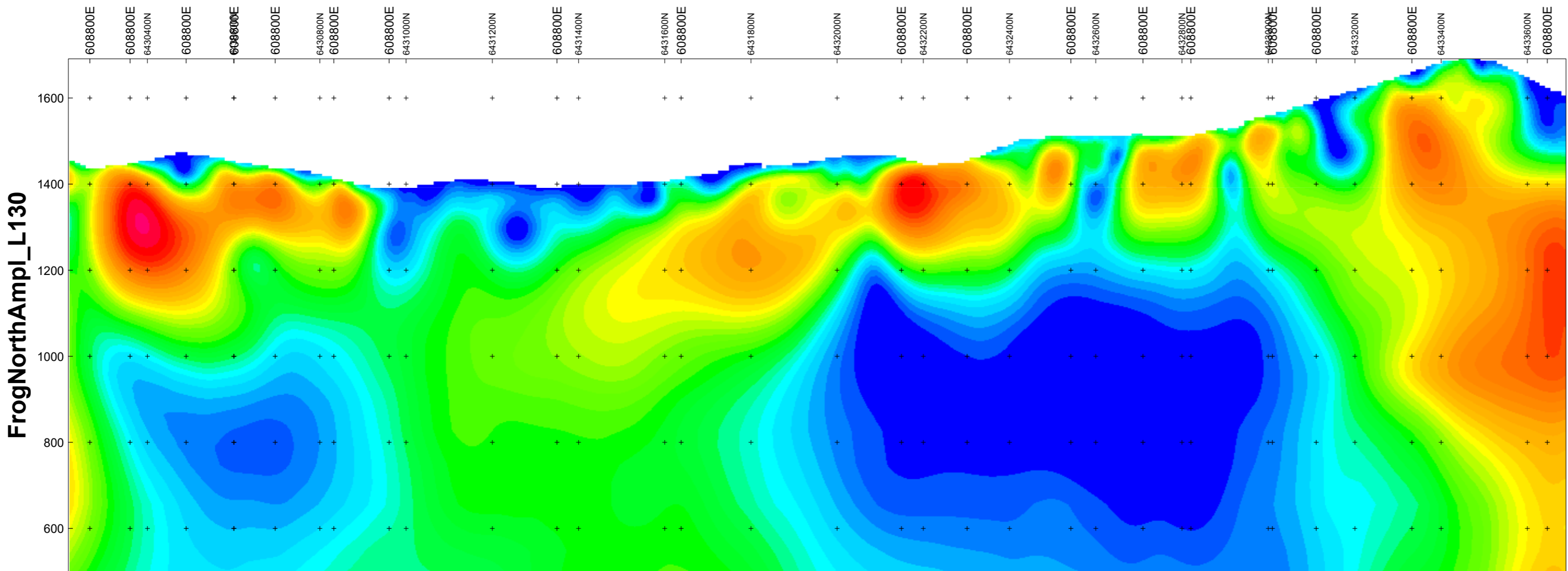
Section Trace Plan View



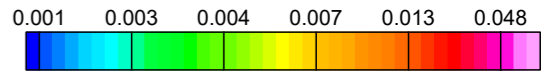
Vertical Exaggeration: 1

**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

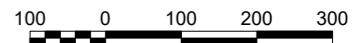
FROG NORTH



Section Trace Plan View



Scale 1:10000

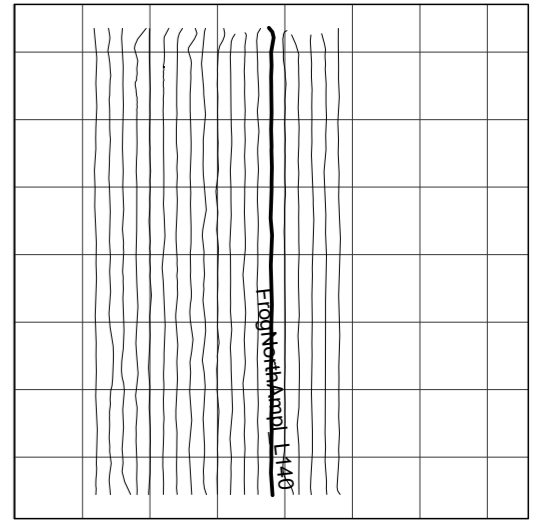
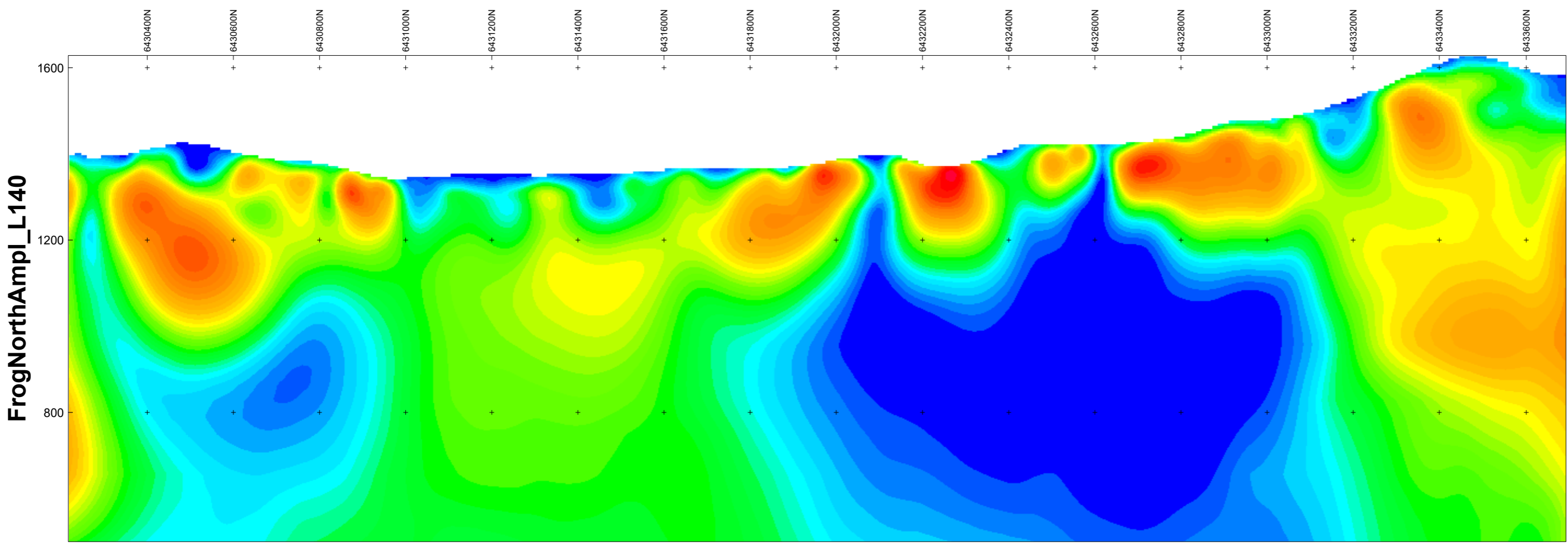


(meters)
NAD83 / UTM zone 9N

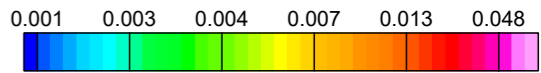
Vertical Exaggeration: 1

**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

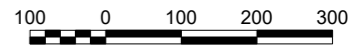
FROG NORTH



Section Trace Plan View



Scale 1:10000



(meters)

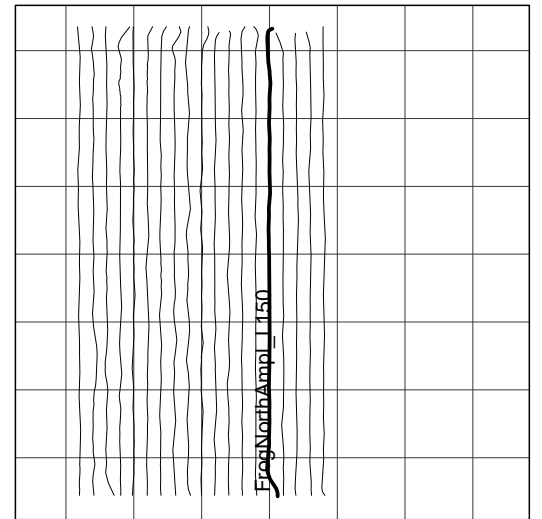
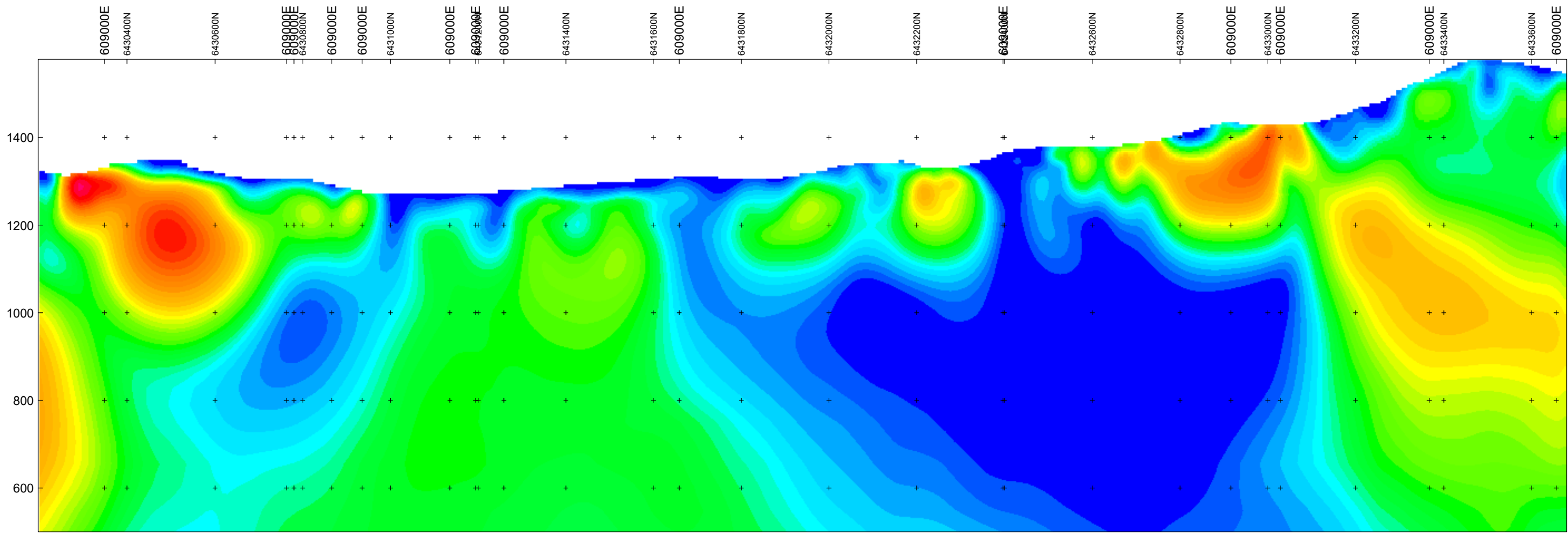
NAD83 / UTM zone 9N

Vertical Exaggeration: 1

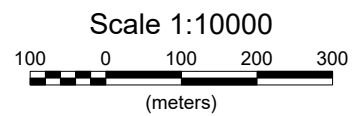
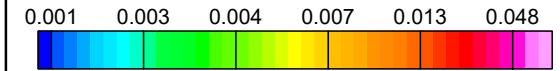
**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH

FrogNorthAmpl_L150



Section Trace Plan View

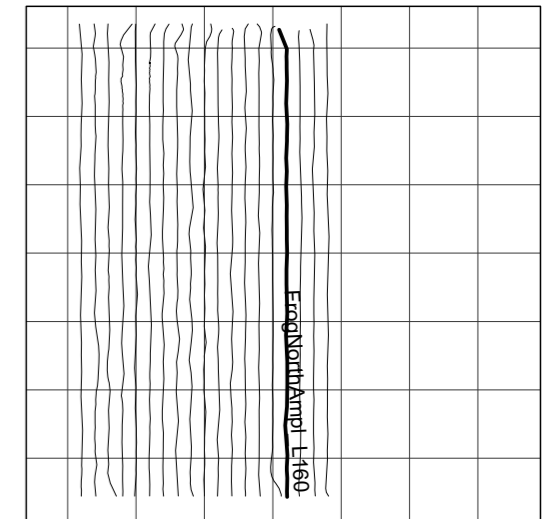
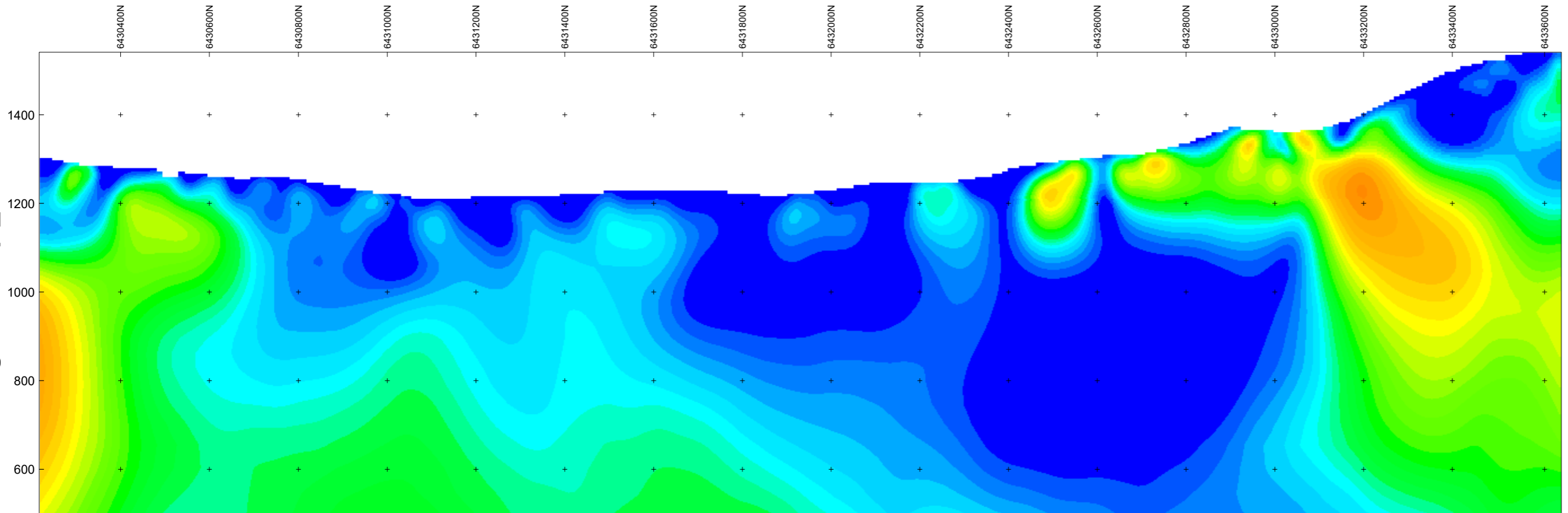


Vertical Exaggeration: 1

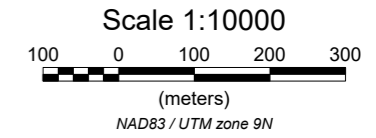
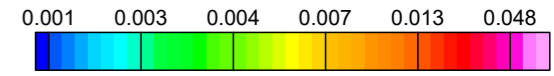
**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH

FrogNorthAmpl_L160



Section Trace Plan View

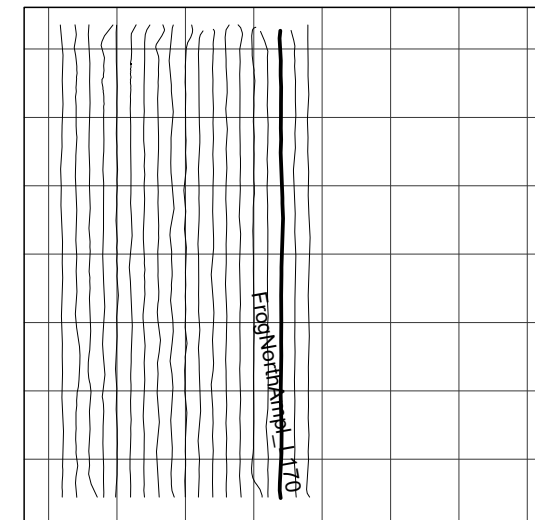
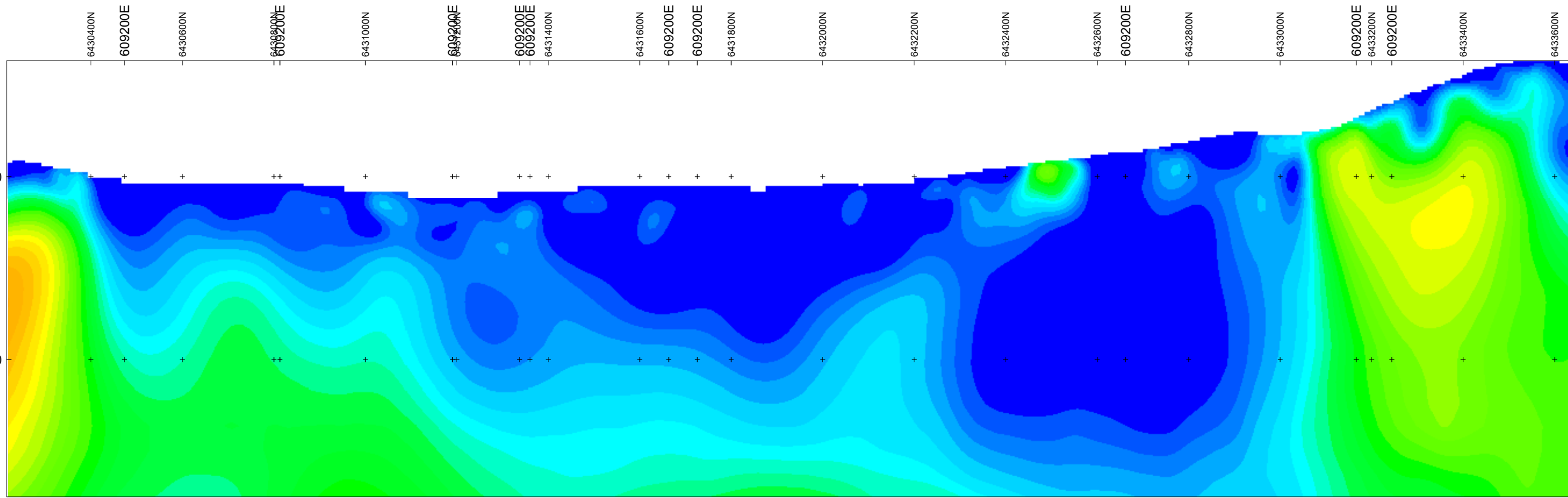


Vertical Exaggeration: 1

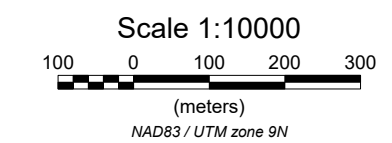
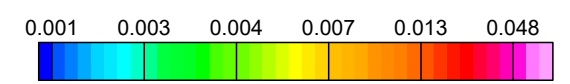
**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH

FrogNorthAmpl_L170



Section Trace Plan View

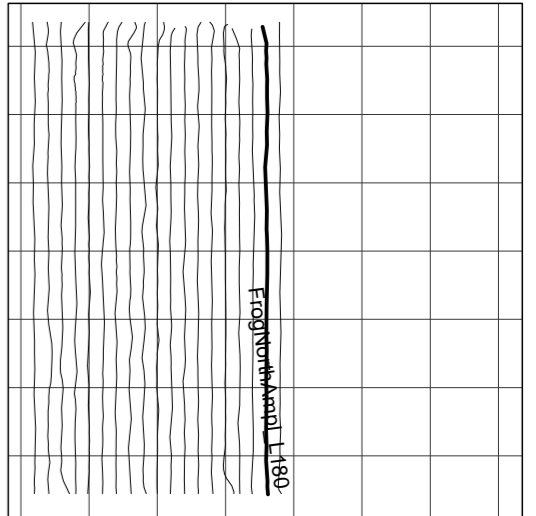
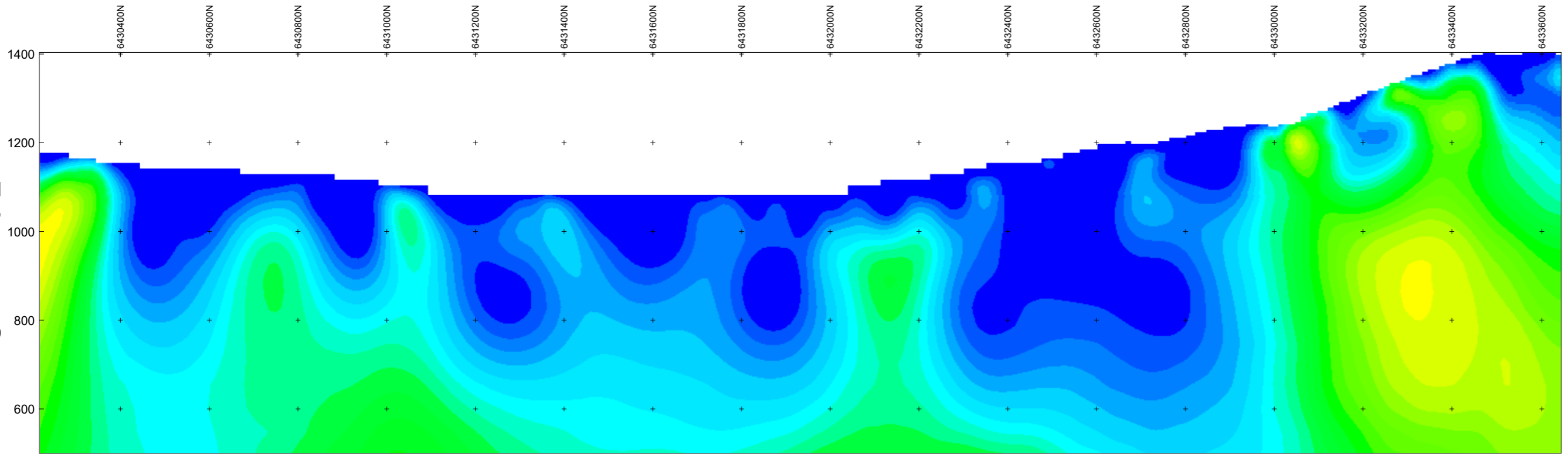


Vertical Exaggeration: 1

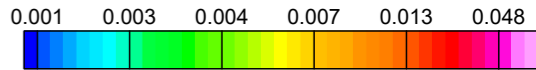
**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH

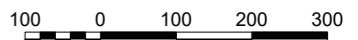
FrogNorthAmpl_L180



Section Trace Plan View



Scale 1:10000



(meters)

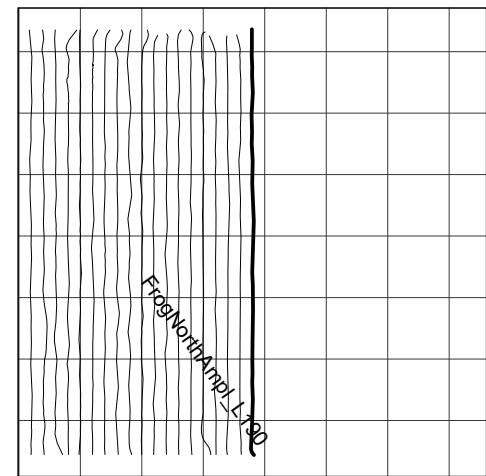
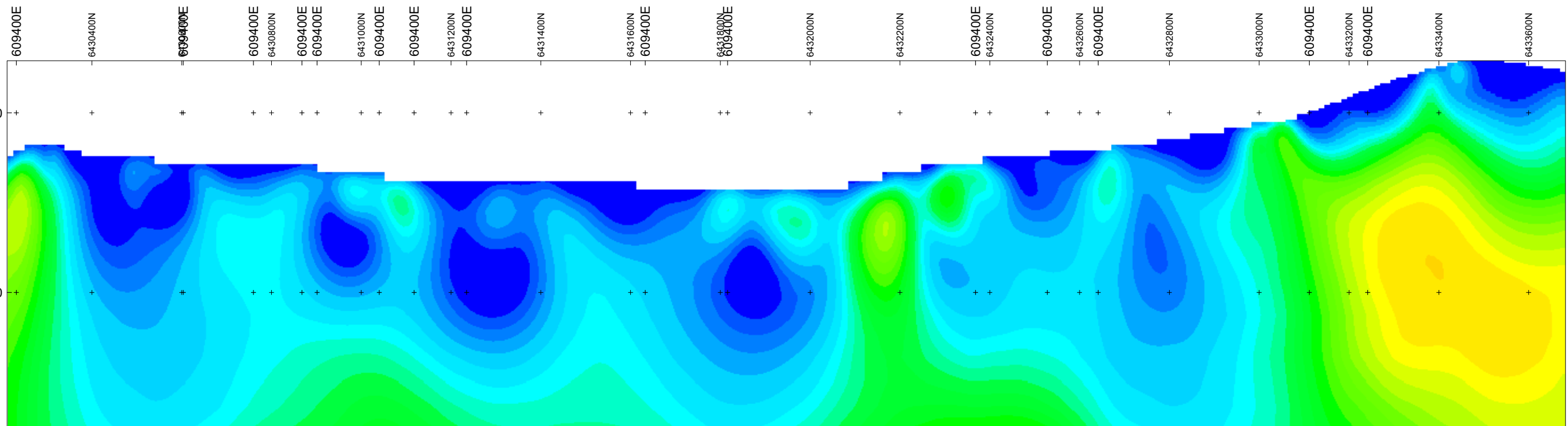
NAD83 / UTM zone 9N

Vertical Exaggeration: 1

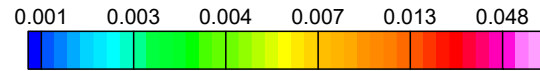
**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH

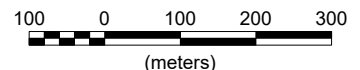
FrogNorthAmpl_L190



Section Trace Plan View



Scale 1:10000



NAD83 / UTM zone 9N

Vertical Exaggeration: 1

**3D MVI MODEL
CONTOURS OF MAGNETIC AMPLITUDE**

FROG NORTH