

**BC Geological Survey
Assessment Report
42071**



ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: 2024 Martel Report

TOTAL COST: \$3,568.47

AUTHOR(S): William Nelson (FMC 215213)

SIGNATURE(S):

A handwritten signature in black ink, appearing to read "William Nelson", written over a light blue rectangular background.

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 6025098, 6068645

YEAR OF WORK: 2024, 2025

PROPERTY NAME: Martel

CLAIM NAME(S) (on which work was done): Martel the Hammer, Martel2

COMMODITIES SOUGHT: Cu, Mo, Au

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN: 092INW038

MINING DIVISION:

NTS / BCGS:

LATITUDE: 50°32' 30 "

LONGITUDE: 121° 20' 25" (at centre of work)

UTM Zone: 10 EASTING: 618300

NORTHING:5599860

OWNER(S): William Nelson (FMC 215213)

MAILING ADDRESS: P.O. BOX 1101 , Ashcroft, B.C. V0K 1A0

OPERATOR(S) Owner operated

MAILING ADDRESS:

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. Cache Creek terrane, Molybdenite, Porphyry)

**REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT
NUMBERS: 40406**

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		3D Mag inversion	\$2550.00
Airborne			
GEOCHEMICAL (number of samples analysed for ...)			
Soil			
Silt			
Rock			
RELATED TECHNICAL			
Sampling / Assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)		123.22 Ha	\$1087.47
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Underground development (metres)			
Other			
		TOTAL COST	\$3,568.47

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Mineral Titles Online

Mineral Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: MORRIS-NELSON, WILLIAM IZAK (215213) **Submitter:** MORRIS-NELSON, WILLIAM IZAK (215213)
Recorded: 2025/MAY/09 **Effective:** 2025/MAY/09
D/E Date: 2025/MAY/09

Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: 6068645

Work Type: Technical Work
Technical Items: Geophysical

Work Start Date: 2025/MAY/05
Work Stop Date: 2025/MAY/08
Total Value of Work: \$ 2550.00
Mine Permit No:

Summary of the work value:

Title Number	Claim Name	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value
1113040	MARTEL THE HAMMER	2019/JAN/29	2025/MAY/25	2026/SEP/15	478	41.08	\$ 935.85
1113042	Martel 2	2022/JAN/26	2025/MAY/25	2026/SEP/15	478	123.22	\$ 1613.67

Financial Summary:

Total applied work value: 2549.52

PAC name: William Morris-Nelson

Note: Any PAC debit and credit amounts will be calculated after the assessment report has been submitted and approved.

Please print this page for your records.

The event was successfully saved.

Click [here](#) to return to the Main Menu.

[Print and Close](#)[Cancel](#)

Mineral Titles Online

Mineral Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: MORRIS-NELSON, WILLIAM IZAK (215213) **Submitter:** MORRIS-NELSON, WILLIAM IZAK (215213)
Recorded: 2024/MAY/20 **Effective:** 2024/MAY/20
D/E Date: 2024/MAY/20

Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: 6025098

Work Type: Technical Work
Technical Items: PAC Withdrawal (up to 30% of technical work required), Preparatory Surveys

Work Start Date: 2024/MAY/20
Work Stop Date: 2024/MAY/20
Total Value of Work: \$ 1018.47
Mine Permit No:

Summary of the work value:

Title Number	Claim Name	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value	Sub-mission Fee
1113040	MARTEL THE HAMMER	2019/JAN/29	2024/MAY/20	2025/may/25	370	41.08	\$ 623.48	\$ 0.00
1113042	Martel 2	2022/JAN/26	2024/MAY/20	2025/MAY/25	370	123.22	\$ 824.25	\$ 0.00

Financial Summary:

Total applied work value:\$ 1447.73

PAC name: William Morris-Nelson
Debited PAC amount: \$ 429.26
Credited PAC amount: \$ 0

Total Submission Fees: \$ 0.0

Total Paid: \$ 0.0

Please print this page for your records.

The event was successfully saved.

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2024 Martel Report
of
Tenures 1113040, and 1113042

Kamloops mining division
British Columbia

NTS map 921/11W
Lat. 50 32' Long. 121 20'
Technical work

Event Number: 6025098, 6068645

by:

William Nelson (FMC 215213)

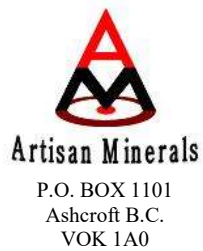


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1.0-Introduction

This report details the exploration activities conducted on the Martel claim group in May 2024. The claim group encompasses two tenures—1113040 and 1113042—covering a total area of 164.30 hectares, which is considered promising for molybdenum (Mo), copper (Cu), and gold (Au). During the exploration, 9.1 line-kilometers of drone photogrammetry were carried out, resulting in the creation of an Orthomosaic and a Digital Elevation Model. The Digital Elevation Model was used to process a 3D inversion with the magnetic data collected in 2022 and documented in the 2022 Martel Report (ARIS 40406).

In May of 2025 SJ Geophysics was contracted to conduct a 3D mag inversion of the data collected in 2022.

1.1-Location and Access

The property is located approximately 13 km north of the unincorporated community of Spences Bridge and 23 km south of village of Ashcroft. The property is reached by traveling on Highway 1 to South Venables Valley Rd. then S.W. for 10 km into Venables Valley. Once in Venables Valley, Two kilometers south on Minaberriet Rd. accesses the old Martel gold mine trail. The old trail runs west and ends just short of the Martel adit portal adjacent to Martel creek. The trail has been maintained and is accessible by vehicle.

1.2-Property Status

<u>Tenure Number</u>	<u>Type</u>	<u>Claim Name</u>	<u>Good Until</u>	<u>Area (ha)</u>
1113040	Mineral	MARTEL THE HAMMER	2025/05/25	41.08
1113042	Mineral	MARTEL2	2025/05/25	123.22

Total Area: 164.30 ha

1.3-Physical Geography and Climate

Much of the property is medium slope uplands, dissected by the steeply falling cut of Martel Creek that flows to the east. The claim lies between 700m and 1150m in elevation. The claim group is in the interior montane bioregion and is thickly forested with interior Douglas fir. The region is arid, and temperatures range from 30°C in the summer to -30°C in winter. A weather station was run for approximately 10 years in the valley bottom, but to date this data has not been accessible.

1.4- Exploration History

Tenure 1113040 hosts the historical Martel adit, (092INW038) which dates from the 1930's. Martel Gold mines worked the property from 1934 to 1938 but gold values in the quartz veining were low and there was little market for the Molybdenum at that time. In 1937 a small shipment was sent to Ottawa for testing at the Mine's Branch. This assayed 0.015 oz. Au, 0.04 oz. Ag, 1.48% MoS₂ and 0.11% Cu. Underground work by Martel Gold Mines comprised 1035 feet of drifting, crosscutting and sinking. In 1967 the adit was cleaned. In 1968 Cannoo Mines Ltd. diamond drilled four holes (128 ft.) but the results have not been found recorded. In 1977 Vantage Resources Ltd. conducted soil sampling for copper, moly, and gold (202 soil samples) The program turned up a Northwesterly trending Molybdenum geochemical soil anomaly, and a coincident copper anomaly. The 28-kilometer magnetometer and electromagnetic survey were inconclusive. In 1978 Vantage Resources diamond drilled 1262 meters on the property but the results have not been published. In 2006 the adit was inspected and found to be in a good state of repair. Four rock samples with visible Molybdenite were assayed and ran 0.201%, 0.129%, 1.12% and 0.105% Mo. In 2007 prospecting on the north side of Martel creek outlined substantial quartz veining and a contact with an intermediate intrusive assumed to be diorite.

2.0- 2024 Work

On May 20th, the author and his assistant traveled to the south of Venables Valley to conduct a comprehensive survey using a DJI drone. The survey covered an area of 123.22 hectares and included a total of 9.1 line-kilometers. Utilizing the advanced capabilities of the DJI drone, they captured 43 high-resolution aerial photographs. These images were meticulously processed to produce a detailed orthomosaic (Figure C, pg. 12) and a high-precision digital elevation model (DEM) (Figure D, pg. 13). A 3D surface was also produced. A preview can be viewed [here](#).

The orthomosaic provides a seamless and accurate visual representation of the surveyed area, while the DEM offers valuable topographical data, including elevation contours and terrain features. Since the completion of the drone survey, the area has been significantly impacted by the Shetland Creek Fire (K70910).

The DEM is a crucial element for performing a 3D inversion of the magnetic data gathered in 2022. Additionally, the creation of a 3D surface in the form of an .obj file is indispensable for integration with HiveMap. This enables advanced geological mapping and visualization, supporting more accurate and comprehensive geological analysis. Learn more about HiveMap [here](#).

2.1- 2025 Work

SJ Geophysics was contracted to process the 2022 mag data to make a 3D Mag Inversion. The detailed summary of this work is in pages 16-40.

3.0-Regional Geology

The Claim group is located near the southern most finger of the eastern belt of the Cache Creek complex. This mélange is largely comprised of radiolarian chert and chert-argillite matrix, with carbonate blocks, local ultramafics and mafic to felsic volcanics. Previously, the ultramafic units have been incorrectly described as “intrusions”; however they are now believed to be fault bound tectonic slivers of mantle rock. To the west of the claim group, the Cache Creek terrane is overlain by middle to late Cretaceous Spence’s Bridge group (mafic to felsic flows, pyroclastics and sandstone). To the east is late Triassic western facies Nicola group mafic to felsic volcanics, pyroclastics, argillite, sandstone and local carbonate. The eastern portion of the Martel claim group covers the north/south trending rift; Venables Valley. The Valley hosts small alkali lakes and glacial till deposits that obscure what is inferred to be several major regional faults (Martel faulting), running parallel to the Thompson river. This faulting has been considered significant since G.M. Dawson of the G.S.C., first explored the area. To the south, the Martel faulting crosses the Trans-Canada highway close to the Martel rail siding, north of Spence’s bridge on the south Thompson River. Tracing the Martel faulting north, they are cut by Oregon Jack creek and continue up over the Cornwall hills, up the Bonaparte river Valley all the way to Clinton where they are obscured by Miocene flood basalts. The Maggie porphyry deposit, located north of Cache Creek in the Bonaparte river valley is thought to occur along the same regional Martel faulting.

3.1-Property Geology

Much of the property covers the open bottom of Venables valley around Home lake. The geology is obscured by deep glacial till. A grey to green argillite unit of the eastern belt of the Cache Creek terrane hosts the mineralized quartz veining exposed in the Martel workings. The outcrop rises steeply out of Venables valley to the Southwest and has visible veining up to 30 cm in width. The veins strike 215 to 220 degrees and dip 70 to 75 degrees northwest and are displaced up to a meter by northwest trending faults. The veins observed in the adit are composed of mainly quartz with lesser calcite; Molybdenite is the most prominent sulphide, observed as stringers within the vein and paralleling it in adjacent wall rock. Lesser amounts of pyrite, pyrrhotite, chalcopyrite and secondary copper minerals have been observed. Prospecting traverses on the north side of Martel creek have identified wide spread veining in argillites, phyllites and green stone.

4.0-Conclusions and Recommendations

The Orthomosaic, DEM and 3D surface (.obj file) were successfully extracted from the drone imaging. These preparatory surveys with the production of the DEM and 3D surface was used for the 3D inversion of the previously collected magnetic data. The 3D mag inversion demonstrated a NW trending anomaly within the survey area that should be further investigated with geochemistry. A grid should be established to test for geochemical signatures. The property should be geologically mapped to better understand the process that brought about the mineralization event. With the Maggie copper porphyry deposit to the north, that is assumed to be on the same regional faulting, and with the presence of felsic to intermediate intrusives, the Martel property has potential for skarn and/or classic type calc-alkaline porphyry.

5.0-Statement of Qualifications

I, William Nelson, of 2053 Hat Creek Road, Ashcroft, British Columbia am the sole proprietor of Artisan Minerals and the Martel claim group. I studied Mining and Mineral Exploration Technology at BCIT and geology classes at the University of Victoria. Since 2005, I have been involved in mineral exploration in Canada, Australia, and South America.

Respectful Submitted,

July 17th, 2024

William Nelson



Revision 2 March 10th 2025

Revision 3 May 9th 2025

FIGURE (A)- Location Map

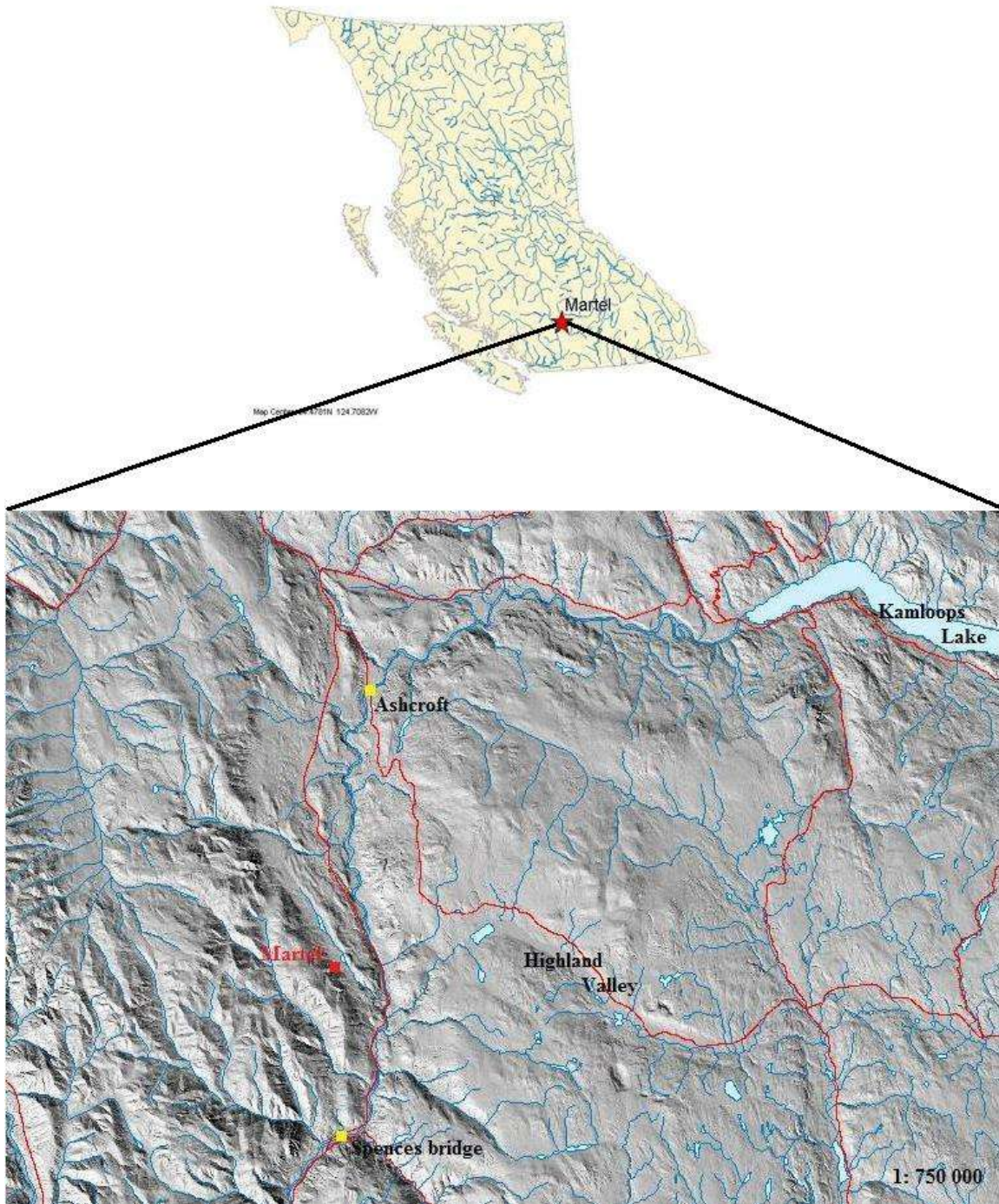


FIGURE (B)- Flight Plan Map

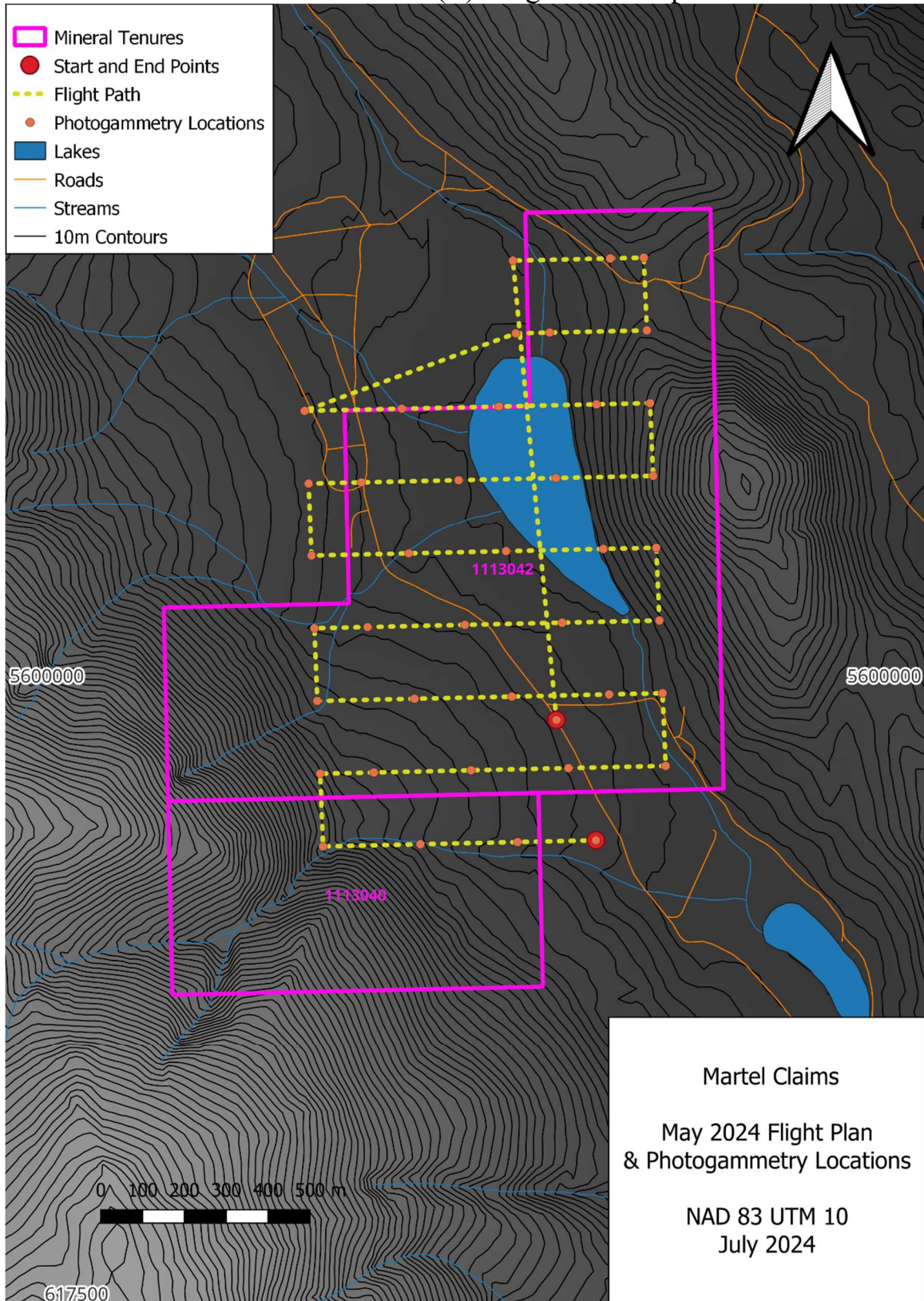


FIGURE (C)- Orthomosaic Map

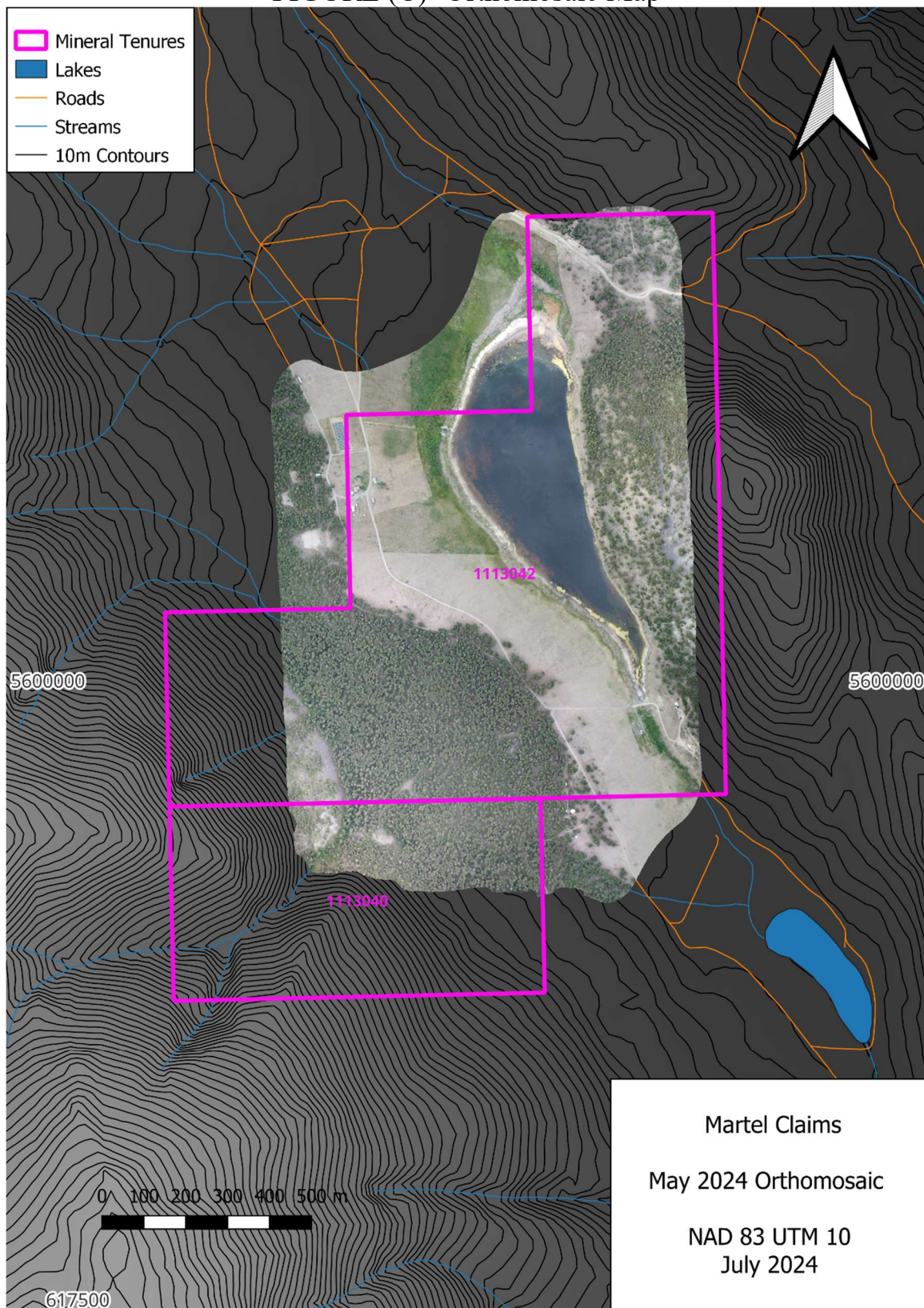


FIGURE (D)- Digital Elevation Model

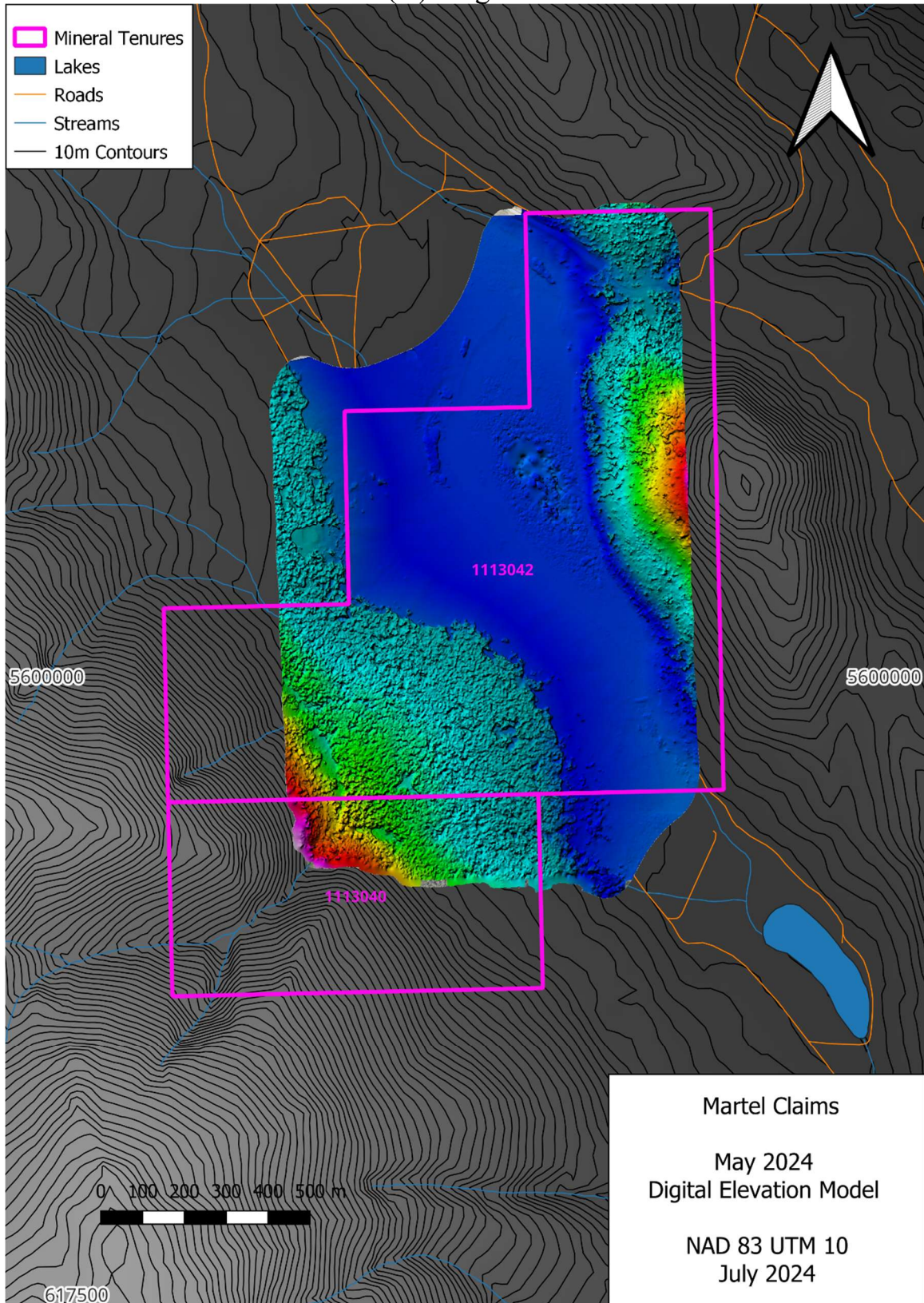


FIGURE (E)- DEM & 2022 Mag Survey

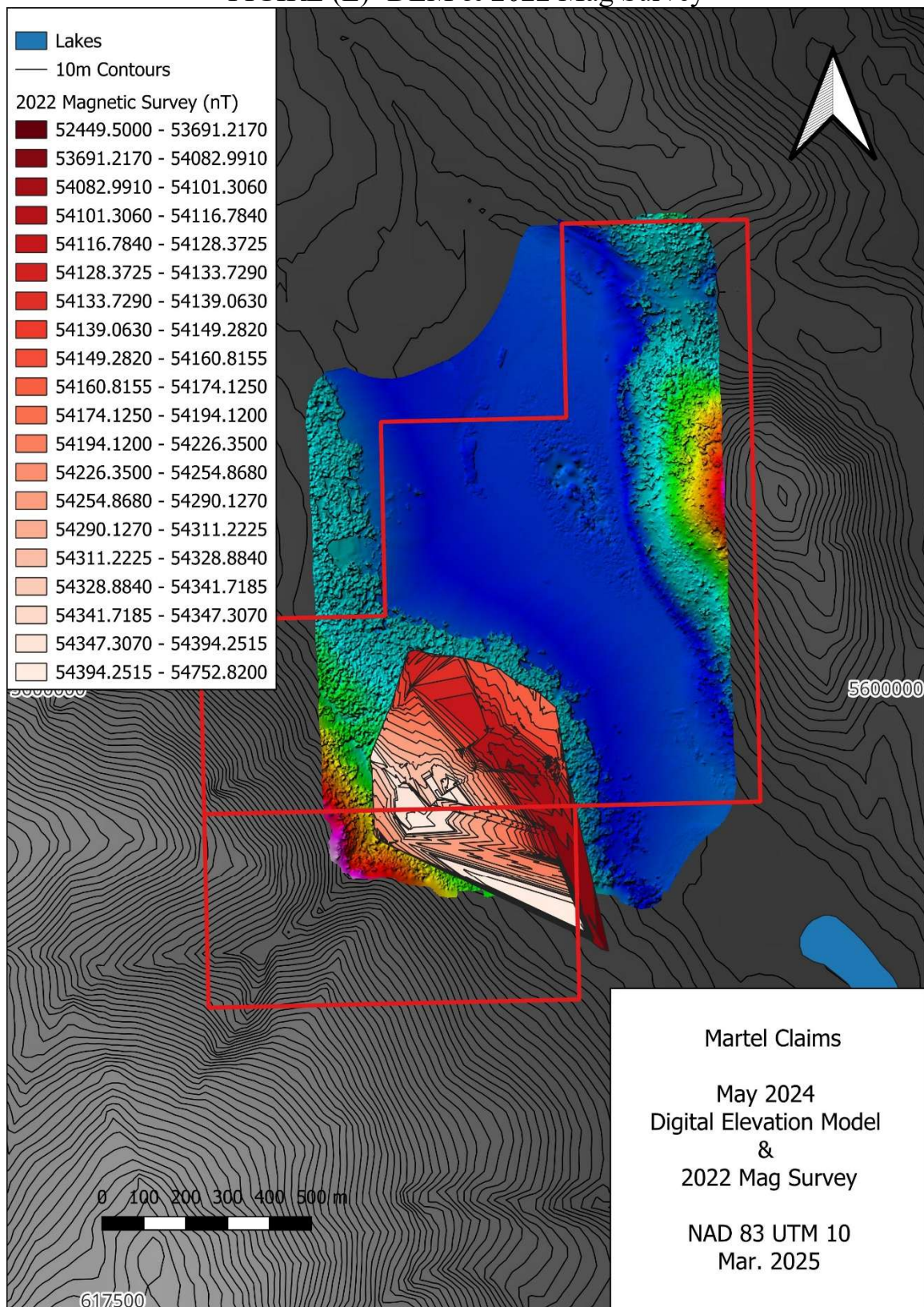
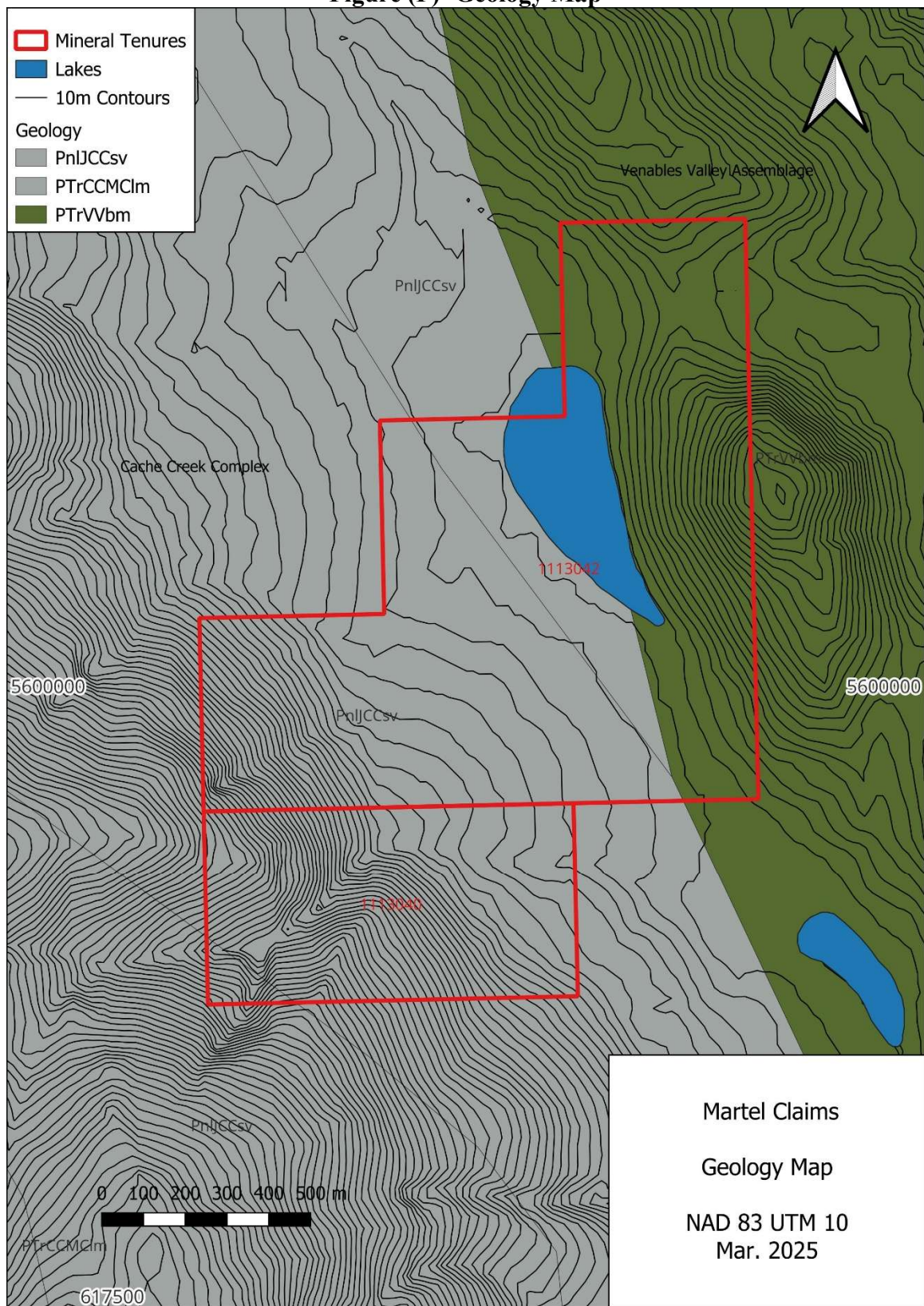


Figure (F)- Geology Map



MEMORANDUM

Date: May 8, 2025
From: Ross Polutnik, P.Geo, S.J.V. Consultants Ltd.
EGBC Firm Permit #1002772
To: William Nelson, Artisan Minerals

SUBJECT: 3D Magnetic Susceptibility Inversion on the Martel Property

At the request of Artisan Minerals, S.J.V. Consultants Ltd. carried out a 3D magnetic susceptibility inversion of ground magnetometer data acquired on the Martel property by Mr. Nelson in February 2022. The Martel property is situated in southern British Columbia, approximately 12.5 km north of Spences Bridge. The ground magnetometer data was acquired in a single day on February 10, 2022. Data was collected along 14 survey lines, varying in length from 250 m to 600 m. A magnetic base unit was not set up for the survey and therefore no diurnal correction was applied to the data.

The ground magnetometer data quality was reviewed prior to inversion. A number of data points were removed due to bad GPS locations. The magnetic data was gridded in Geosoft Oasis montaj using a 12 m cell size and then exported as a .txt file. The regional trend was removed by subtracting the average magnetic response.

The 3D magnetic inversion was carried out using the UBC-GIF MAG3D inversion software. The inversion algorithm is designed to recover a 3D block model of the subsurface showing a possible distribution of rock magnetic susceptibility (SI) that will produce the observed magnetic response. Residual magnetic intensity values are used as input to the inversion, therefore the magnetic susceptibility (SI) values calculated by the inversion are also relative.

An inversion mesh was constructed with 6 m x 6 m horizontal cells (x, y) and 3 m vertical (z) cells. A 20 m resolution DEM (NTS 50k mapsheet 092i11) was used to define the topographic surface. Default inversion parameters were utilized, with the exception of bounds, which were set at -0.5 to 0.5 SI units. The recovered 3D magnetic susceptibility inversion model was reviewed using UBC-GIF MeshTools3D as well as Paraview, an open-source 3D visualization software. The 3D model is shown in Figure 1.

The deliverables for the work consist of the following. The 3D inversion model is in the WGS 84 UTM Zone 10N coordinate system.

- 3D Susceptibility Inversion Model:
 - UBC – Inverted model in UBC-GIF standard format, UTM coordinates (sus).
 - XYZ – ASCII format of model, converted from UBC-GIF format. The value at the centre of each model cell is given.
 - VTK – Inverted model in open-source vtk format (sus).
- 3D Susceptibility Inversion Model Maps:
 - Plan maps/slices at constant depth below topography (pdf & geotiff format).
 - Section maps along survey lines (pdf format).

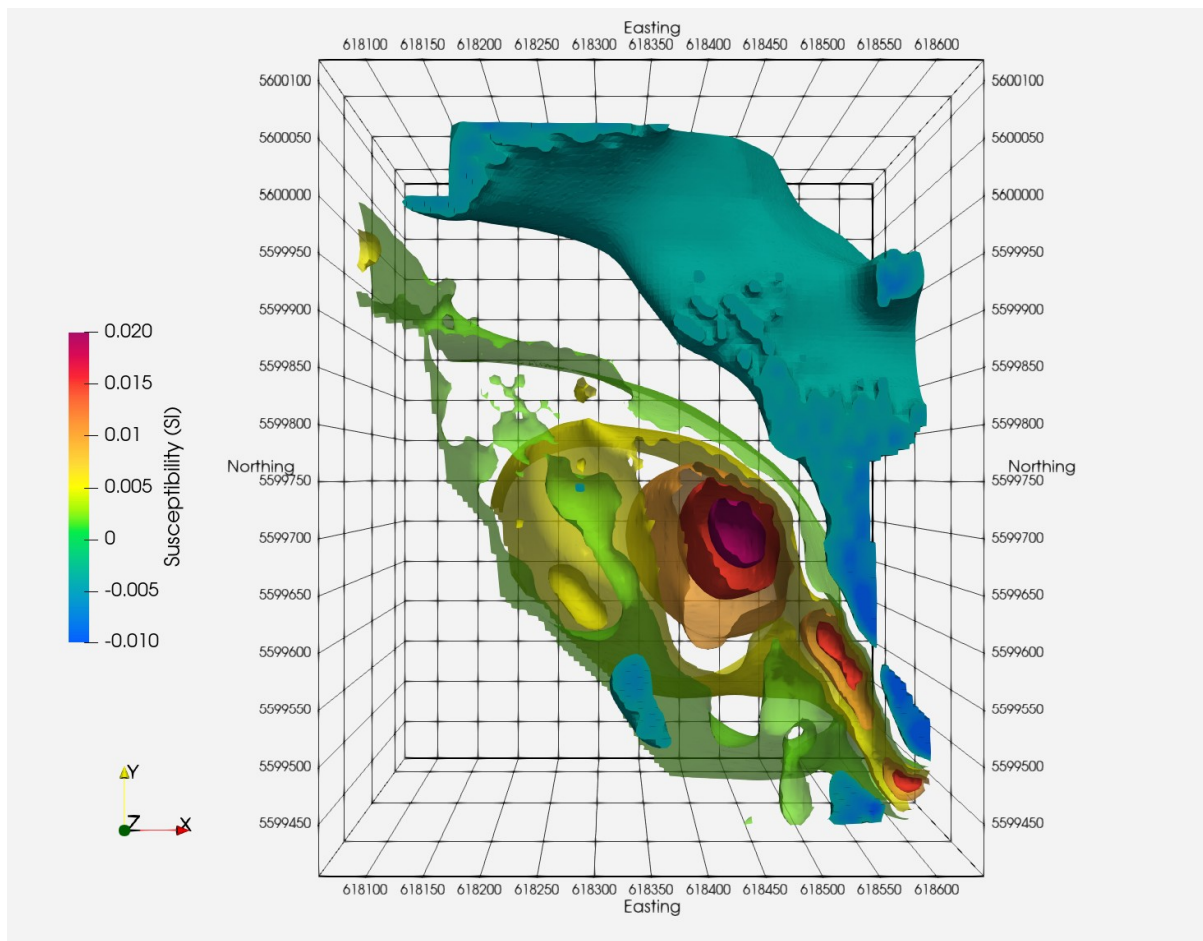
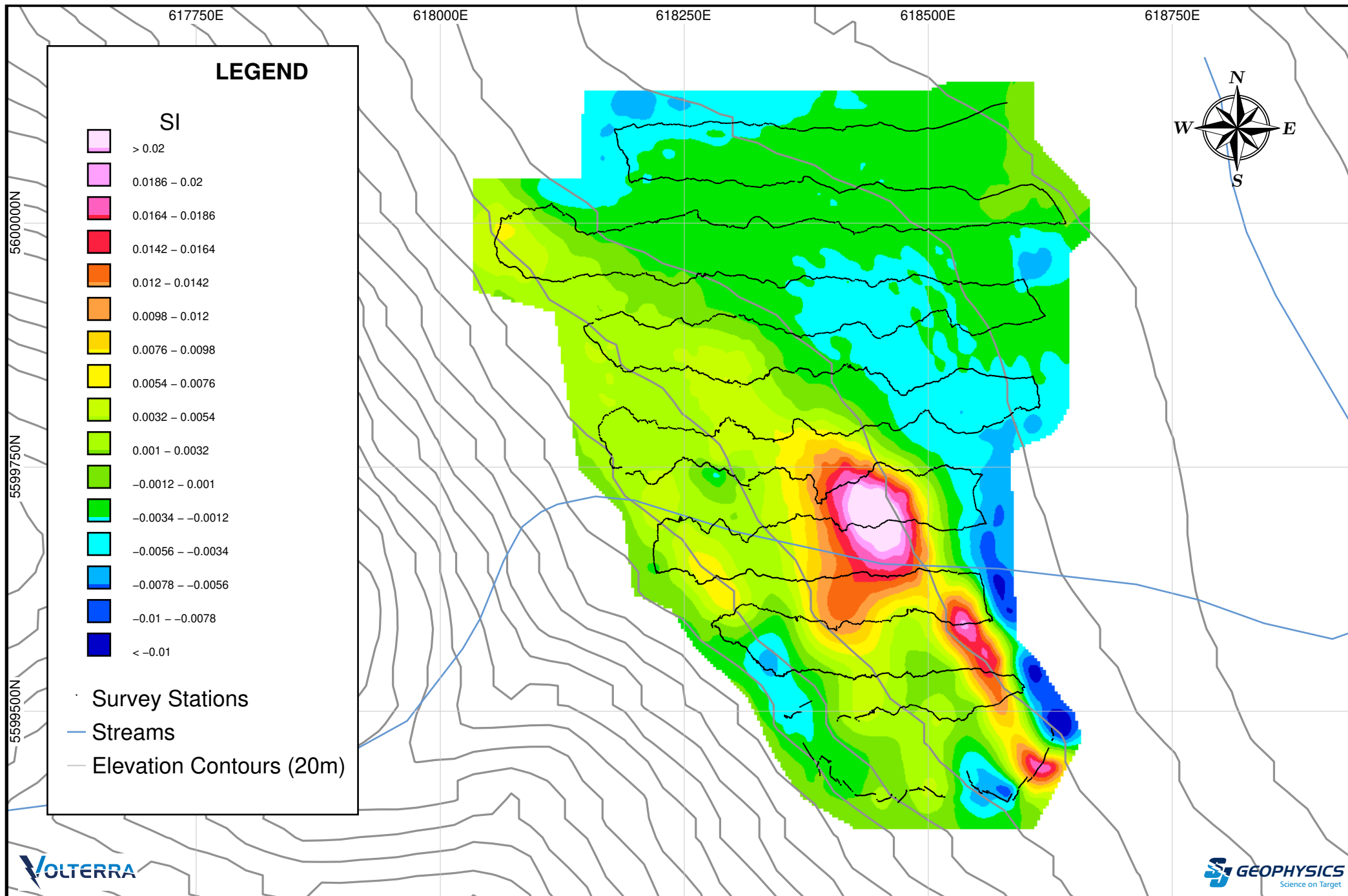


Figure 1: 3D magnetic susceptibility inversion model. Plan view (WGS 84 UTM 10N). Iso-surfaces at -0.004 (blue), 0.002 (green), 0.005 (yellow), 0.01 (orange), 0.015 (red), and 0.02 (purple) SI units.



Project Information:
Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Inversion Parameters:
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Inversion Model: maginv3d_r2i03.sus

Colour Classification: Modified Linear

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
EPSG Code: 26910
Mapping Date: 08-May-2025

Magnetometer

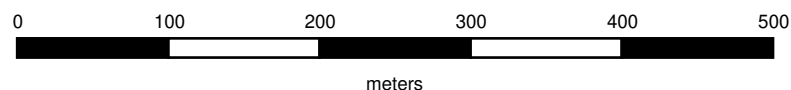
Artisan Minerals

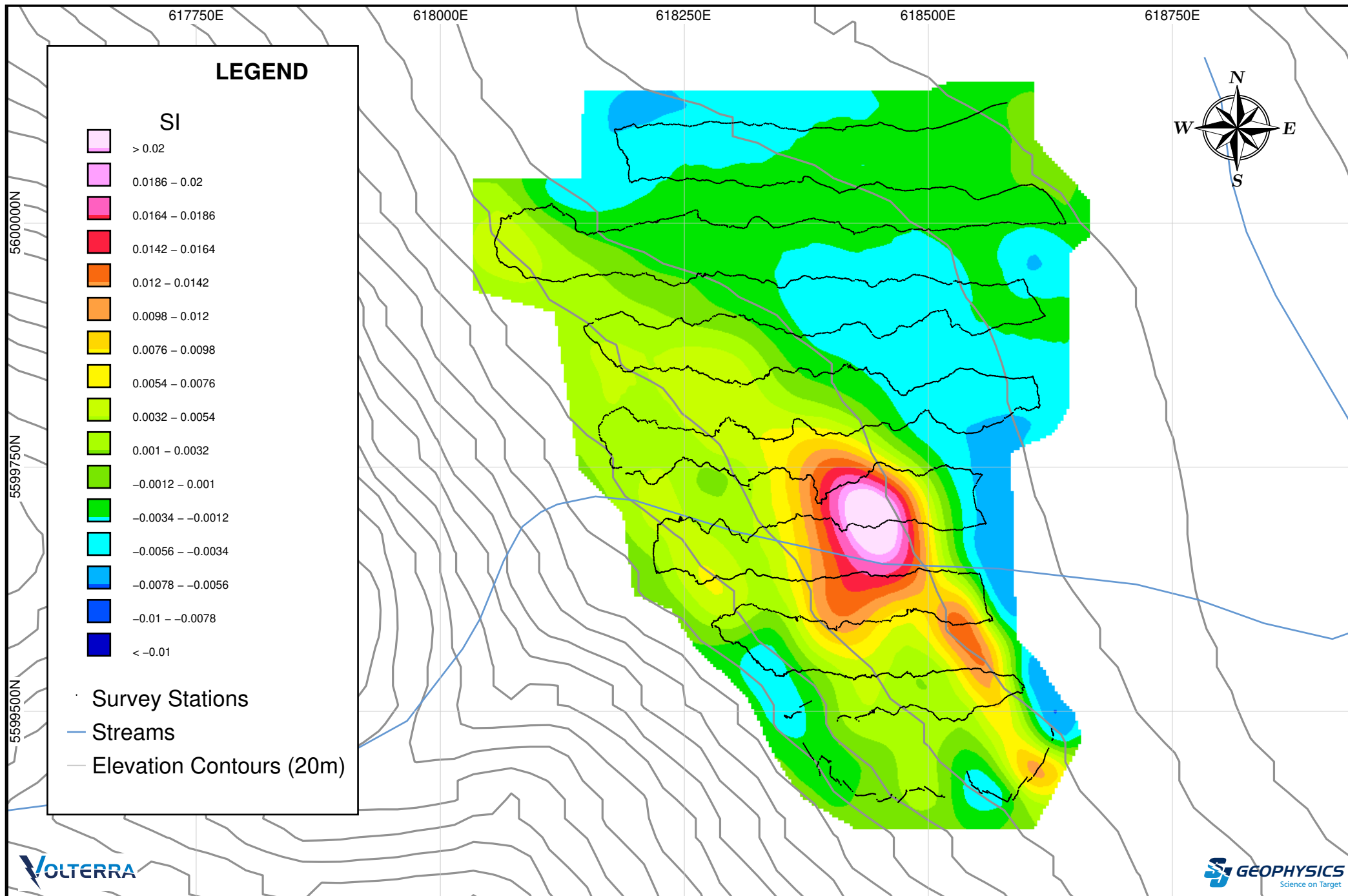
Magnetic Susceptibility Inversion Model (SI)

Martel Claim Group

Depth: 5 m Below Topography

BC, Canada





Project Information:
Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Inversion Parameters:
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Inversion Model: maginv3d_r2i03.sus

Colour Classification: Modified Linear

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
EPSG Code: 26910
Mapping Date: 08-May-2025

Magnetometer

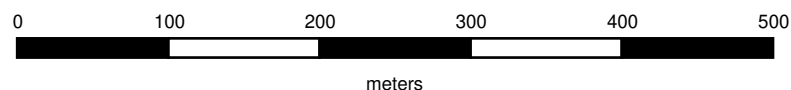
Artisan Minerals

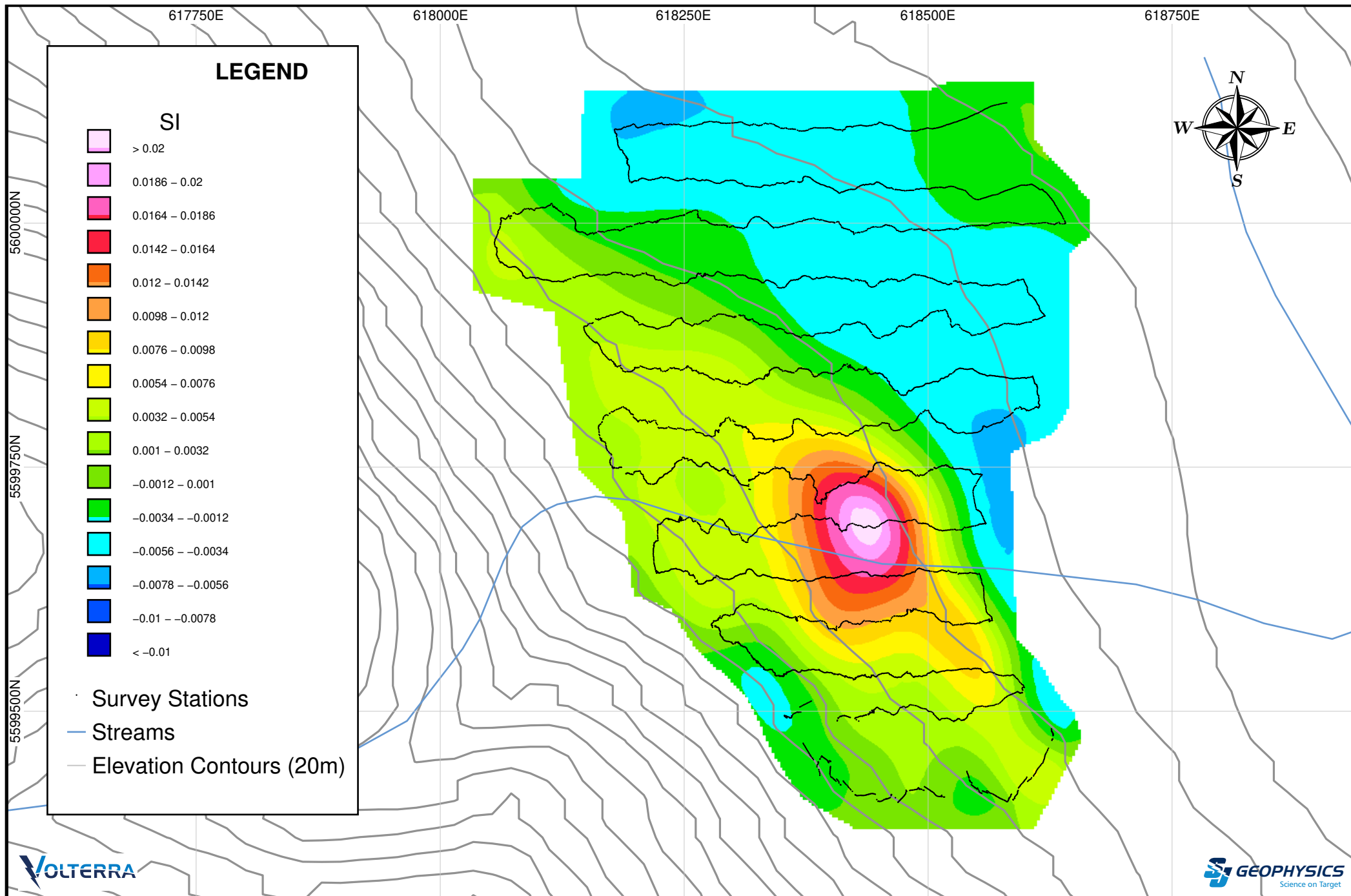
Magnetic Susceptibility Inversion Model (SI)

Martel Claim Group

Depth: 25 m Below Topography

BC, Canada





Project Information:
Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Inversion Parameters:
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Inversion Model: maginv3d_r2i03.sus

Colour Classification: Modified Linear

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
EPSG Code: 26910
Mapping Date: 08-May-2025

Magnetometer

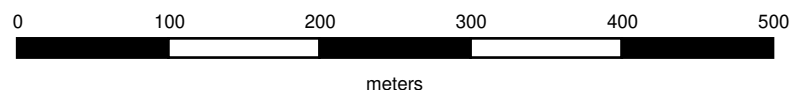
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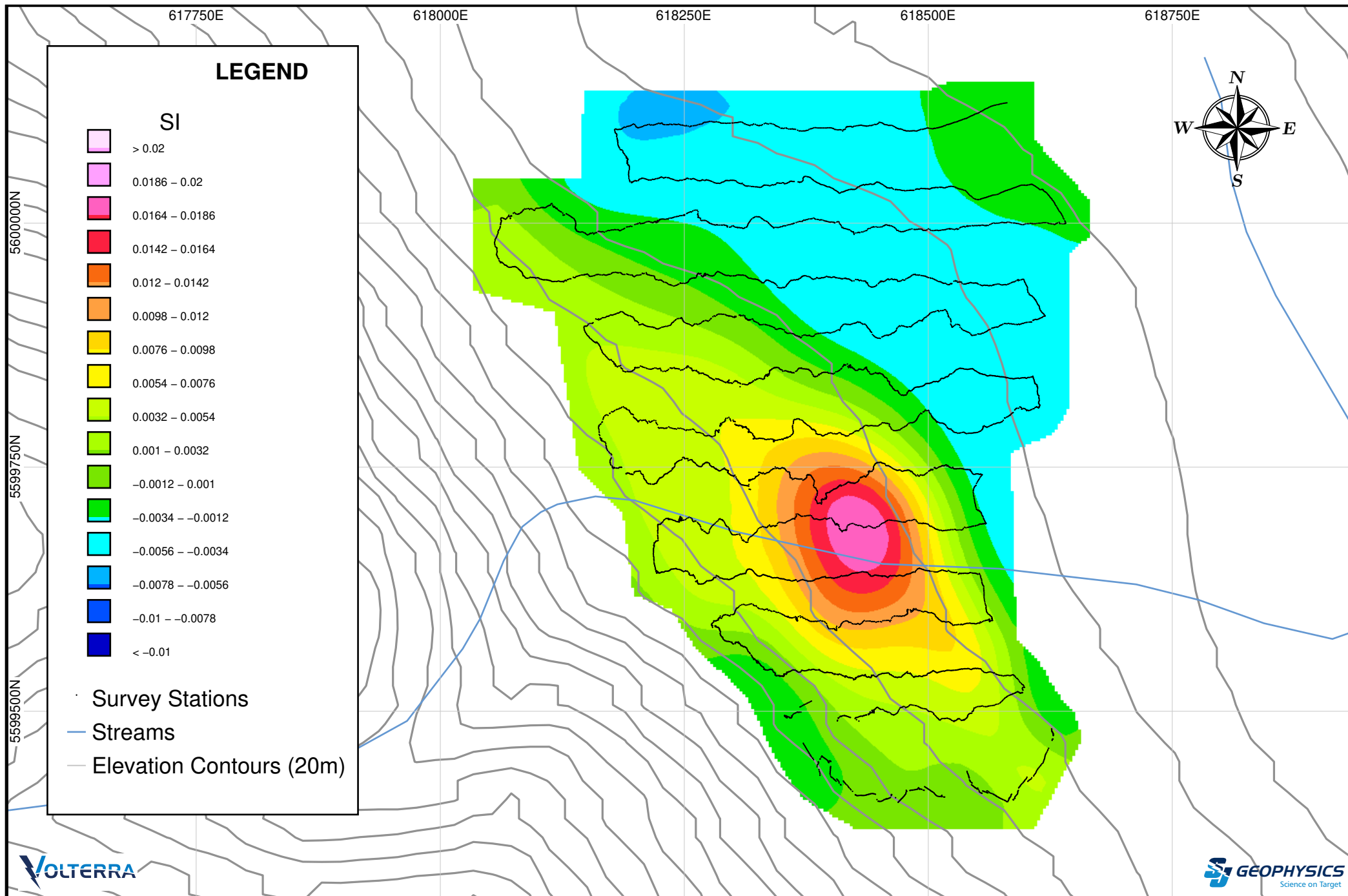
Magnetic Susceptibility Inversion Model (SI)

Martel Claim Group

Depth: 50 m Below Topography

BC, Canada





Project Information:
Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Inversion Parameters:
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Inversion Model: maginv3d_r2i03.sus

Colour Classification: Modified Linear

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
EPSG Code: 26910
Mapping Date: 08-May-2025

Magnetometer

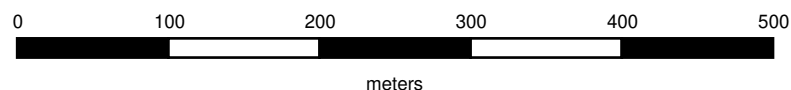
Artisan Minerals

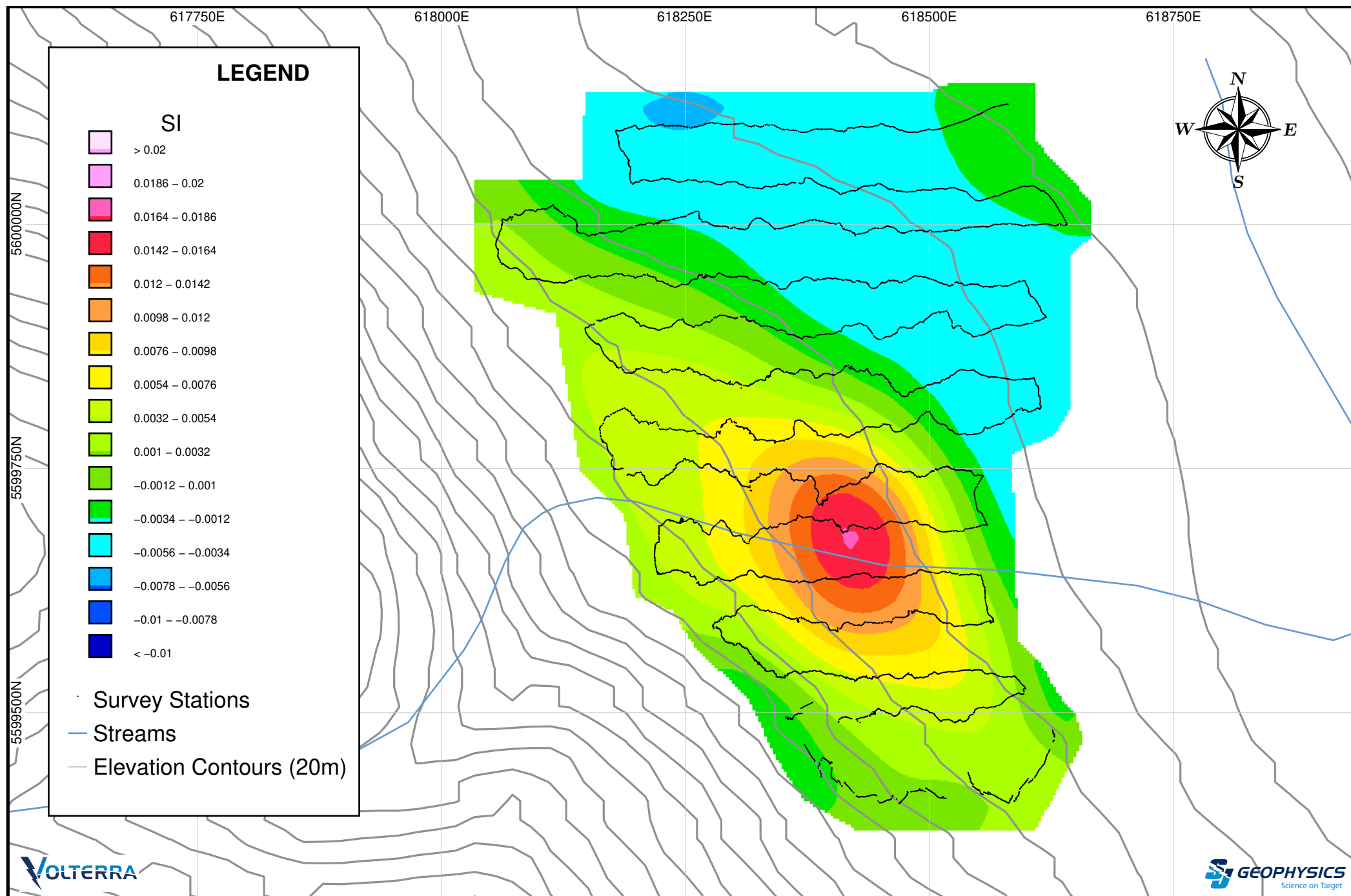
Magnetic Susceptibility Inversion Model (SI)

Martel Claim Group

Depth: 75 m Below Topography

BC, Canada





Project Information:
Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Inversion Parameters:
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Inversion Model: maginv3d_r2i03.sus

Colour Classification: Modified Linear

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
EPSG Code: 26910
Mapping Date: 08-May-2025

Magnetometer

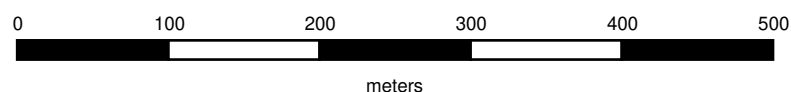
Artisan Minerals

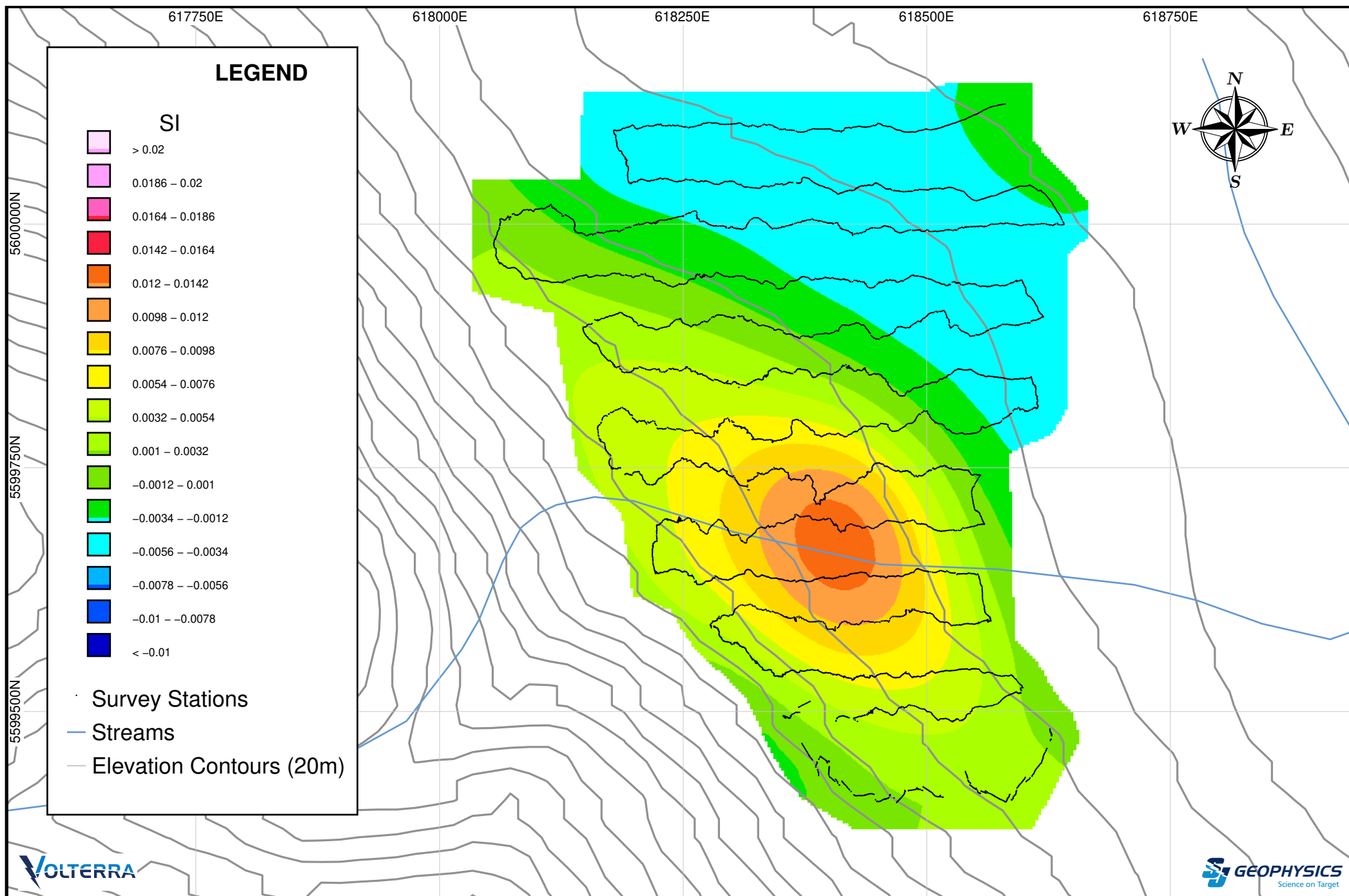
Magnetic Susceptibility Inversion Model (SI)

Martel Claim Group

Depth: 100 m Below Topography

BC, Canada





Project Information:
Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Inversion Parameters:
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Inversion Model: maginv3d_r2i03.sus

Colour Classification: Modified Linear

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
EPSG Code: 26910
Mapping Date: 08-May-2025

Magnetometer

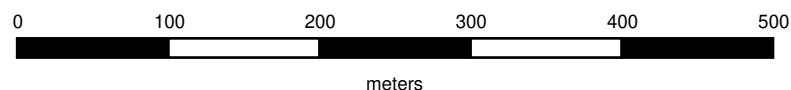
Artisan Minerals

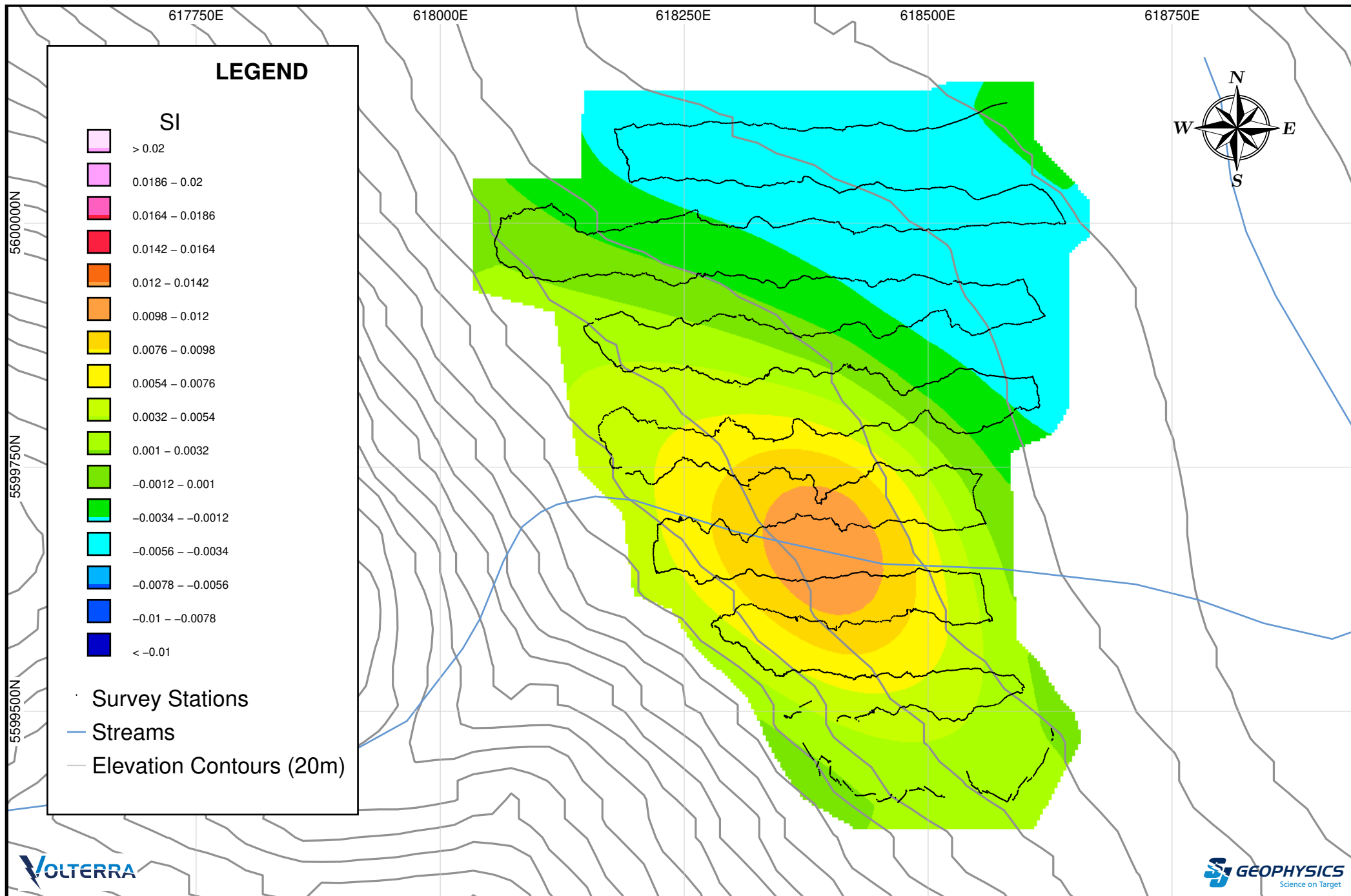
Magnetic Susceptibility Inversion Model (SI)

Martel Claim Group

Depth: 150 m Below Topography

BC, Canada





Project Information:
Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Inversion Parameters:
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Inversion Model: maginv3d_r2i03.sus

Colour Classification: Modified Linear

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
EPSG Code: 26910
Mapping Date: 08-May-2025

Magnetometer

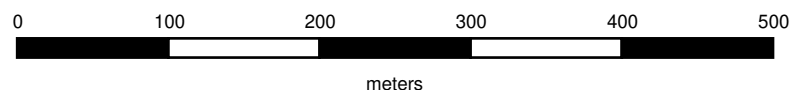
Artisan Minerals

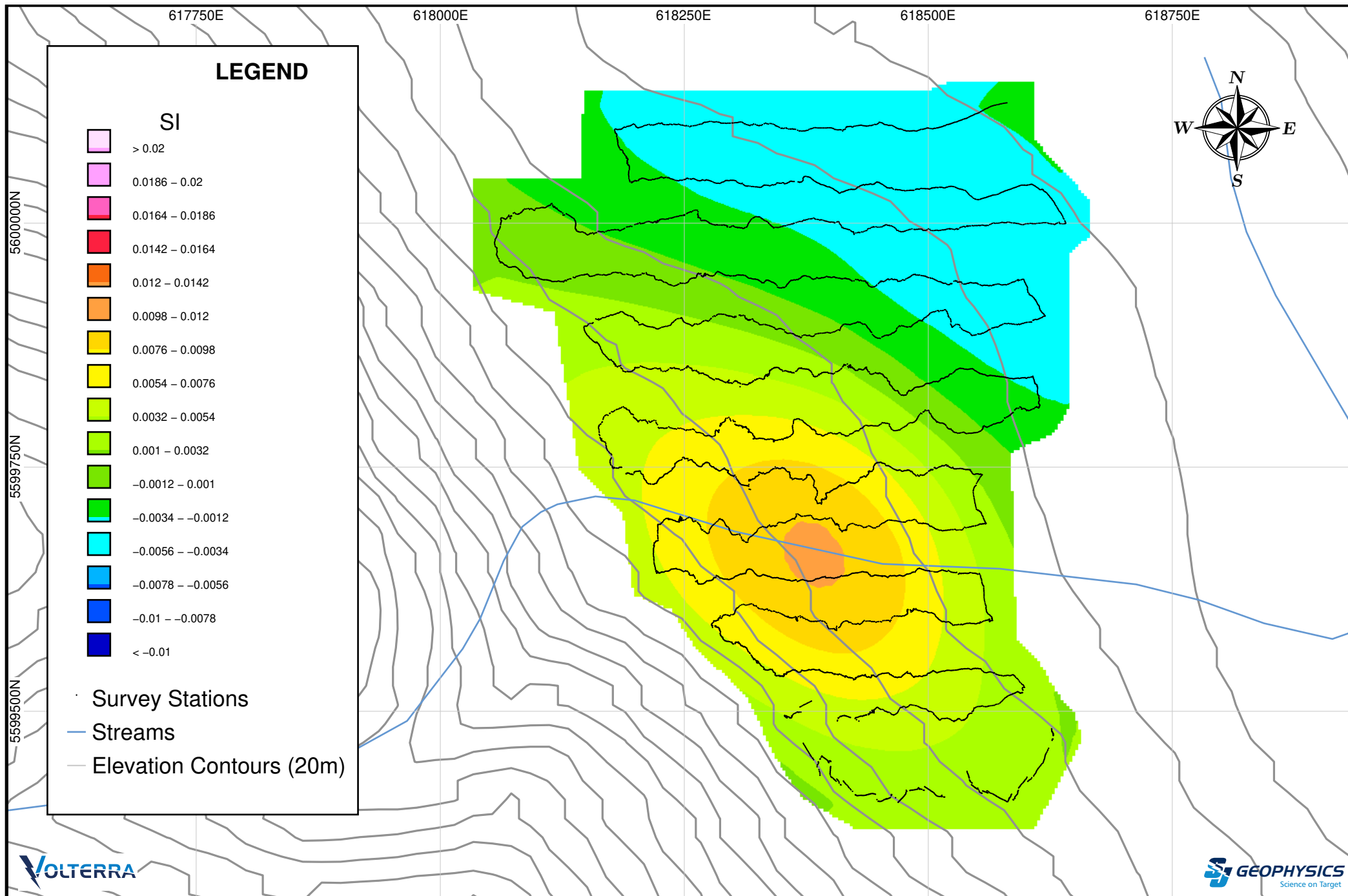
Magnetic Susceptibility Inversion Model (SI)

Martel Claim Group

Depth: 200 m Below Topography

BC, Canada





Project Information:
Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Inversion Parameters:
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Inversion Model: maginv3d_r2i03.sus

Colour Classification: Modified Linear

Mapping Information:
Datum: NAD83
Projection: UTM Zone 10N
EPSG Code: 26910
Mapping Date: 08-May-2025

Magnetometer

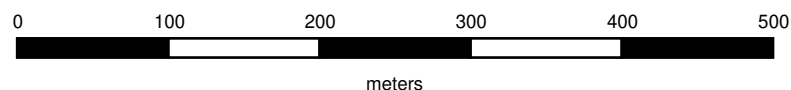
Artisan Minerals

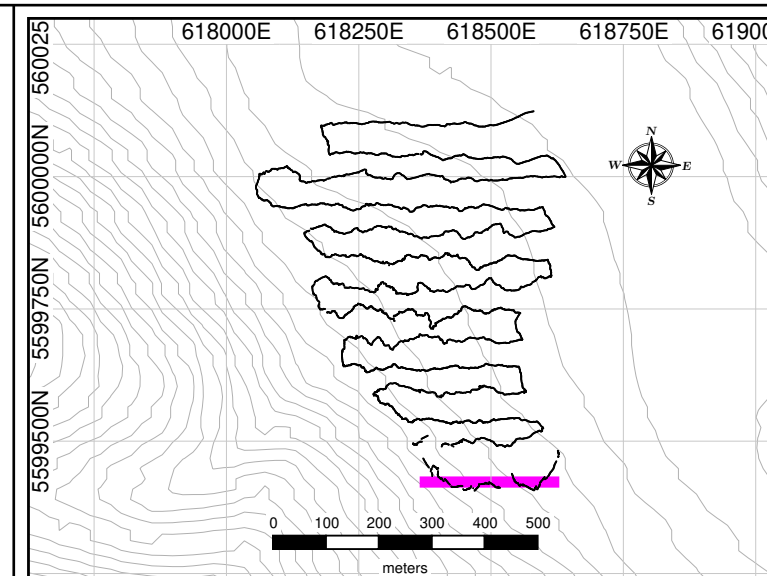
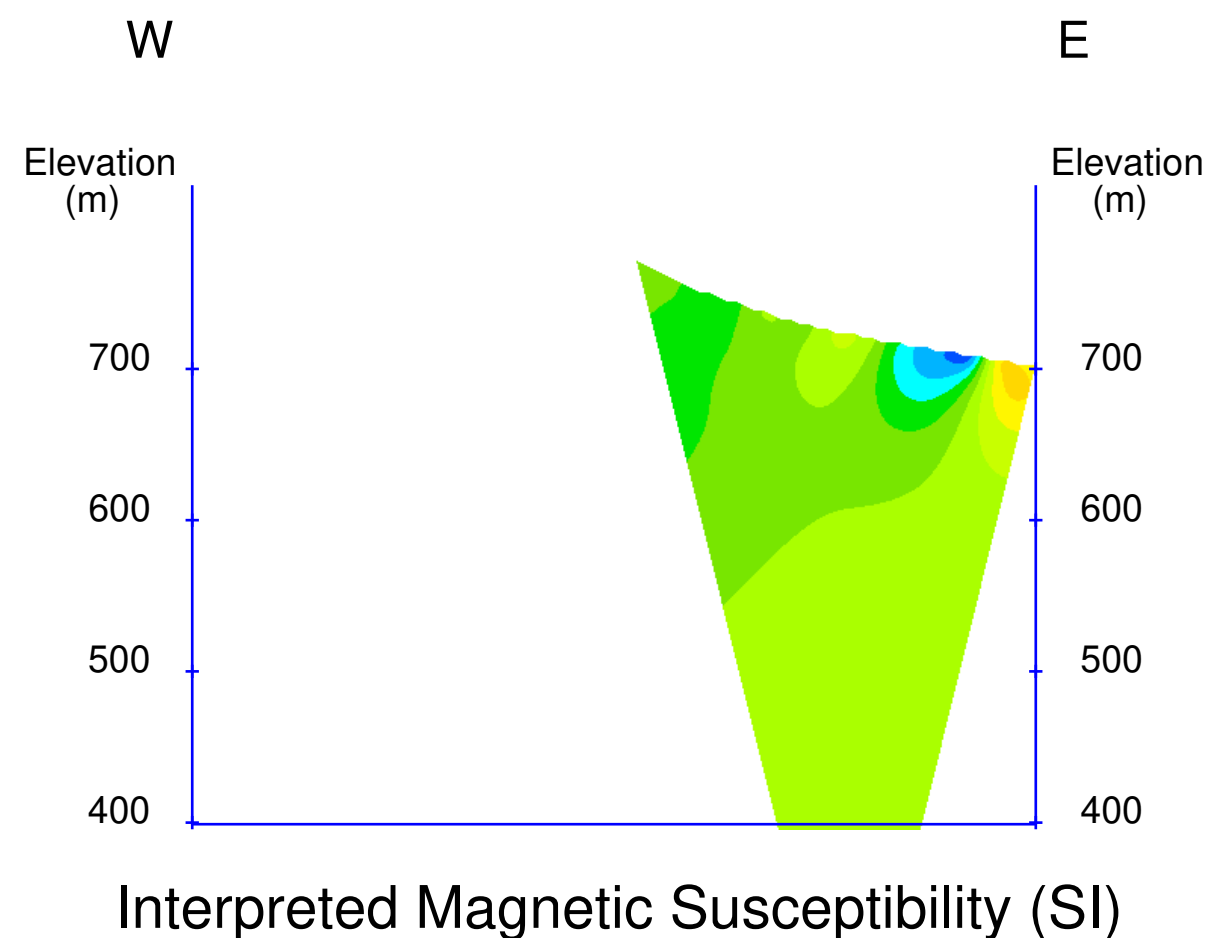
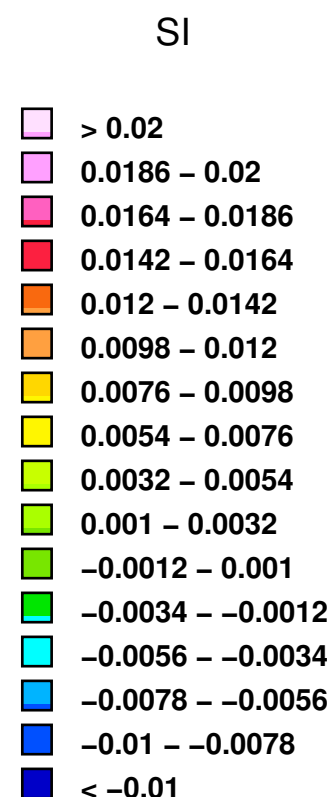
Magnetic Susceptibility Inversion Model (SI)

Martel Claim Group

Depth: 250 m Below Topography

BC, Canada





INDEX MAP: 599420N

Project Information:

Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Instrumentation:

Receiver: GEM-19 (Overhauser) magnetometer

Inversion Parameters:

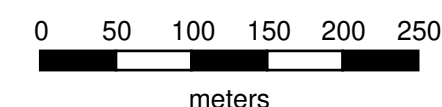
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Magnetic Inversion Model: maginv3d_r2i03.sus

Colour Classification:

Magnetic: Modified Linear

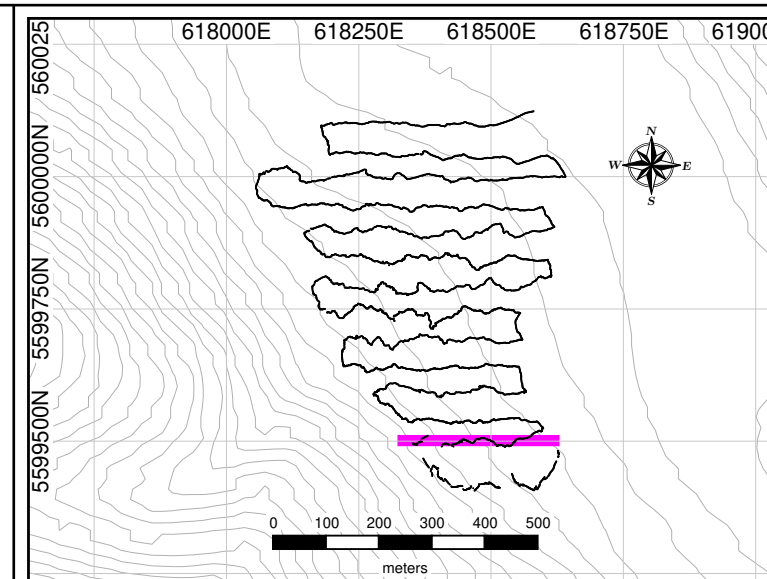
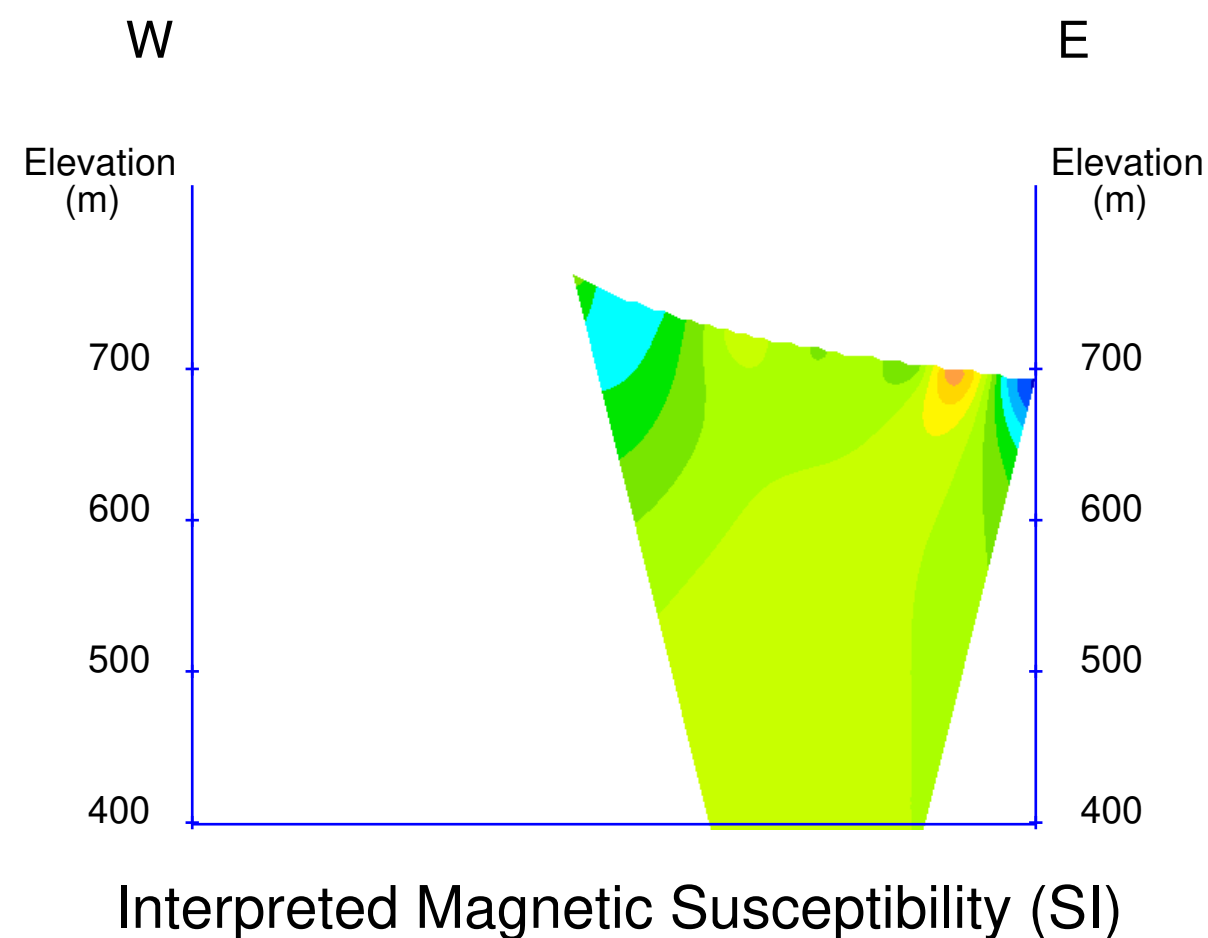
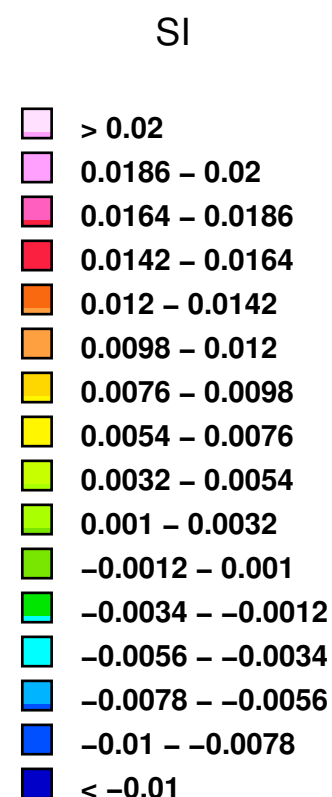
Mapping Information:

Index Map Datum: NAD83
Index Map Projection: UTM Zone 10N
EPSG Code: 26910
Section Map Projection: UTM Coordinate System
Mapping Date: 08-May-2025



Artisan Minerals
Martel Claim Group
BC, Canada

Magnetometer Survey
Magnetic Susceptibility
Cross Section: 599420N



INDEX MAP: 599500N

Project Information:

Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Instrumentation:

Receiver: GEM-19 (Overhauser) magnetometer

Inversion Parameters:

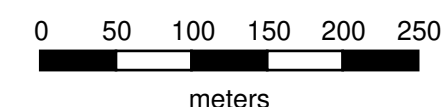
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Magnetic Inversion Model: maginv3d_r2i03.sus

Colour Classification:

Magnetic: Modified Linear

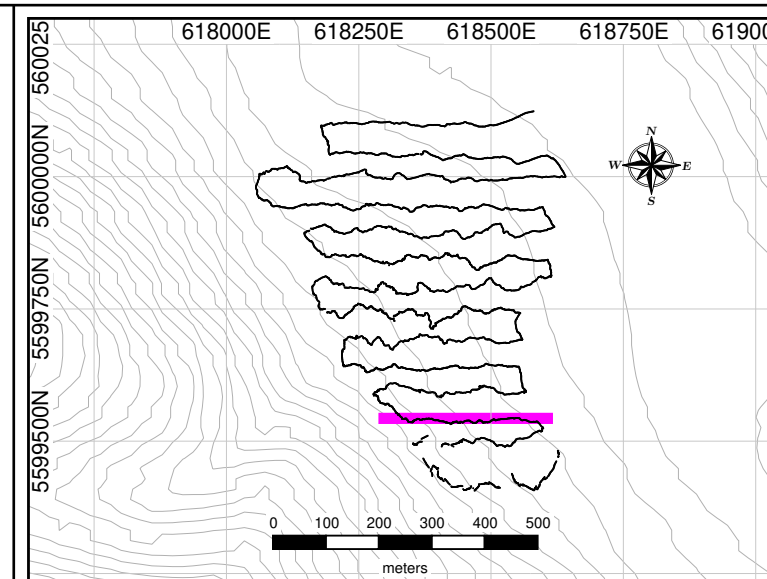
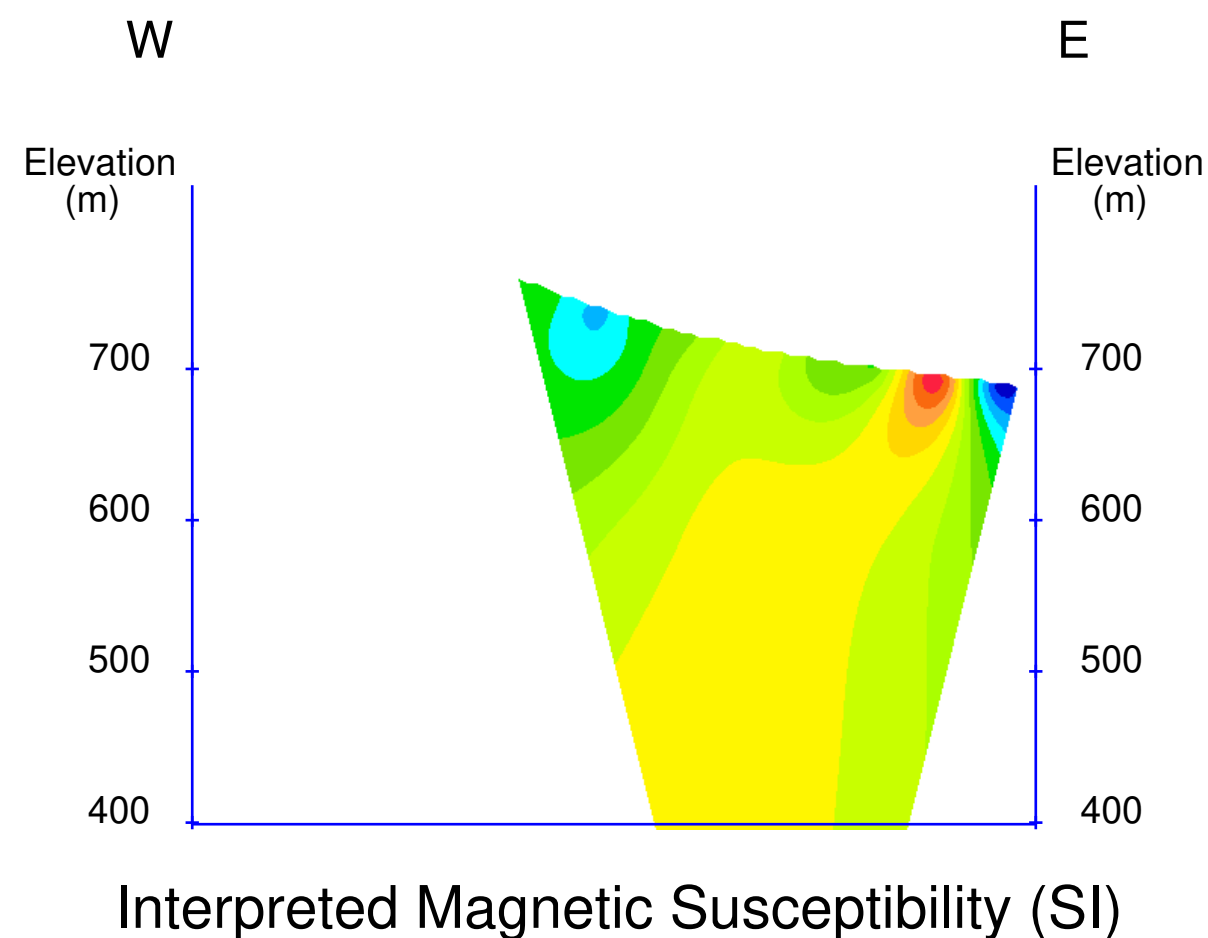
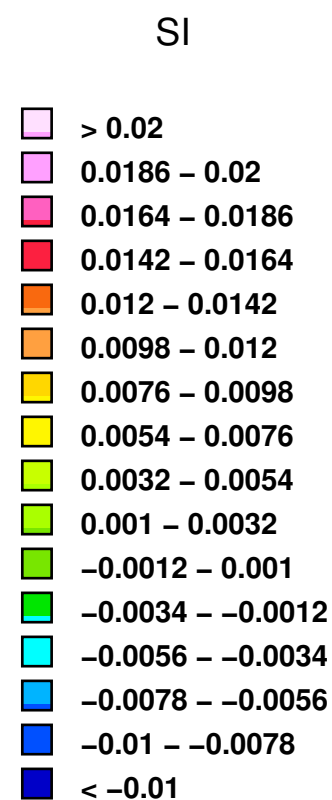
Mapping Information:

Index Map Datum: NAD83
Index Map Projection: UTM Zone 10N
EPSG Code: 26910
Section Map Projection: UTM Coordinate System
Mapping Date: 08-May-2025



Artisan Minerals
Martel Claim Group
BC, Canada

Magnetometer Survey
Magnetic Susceptibility
Cross Section: 599500N



INDEX MAP: 599540N

Project Information:

Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Instrumentation:

Receiver: GEM-19 (Overhauser) magnetometer

Inversion Parameters:

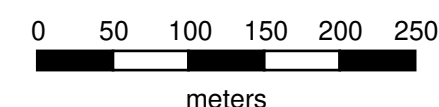
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Magnetic Inversion Model: maginv3d_r2i03.sus

Colour Classification:

Magnetic: Modified Linear

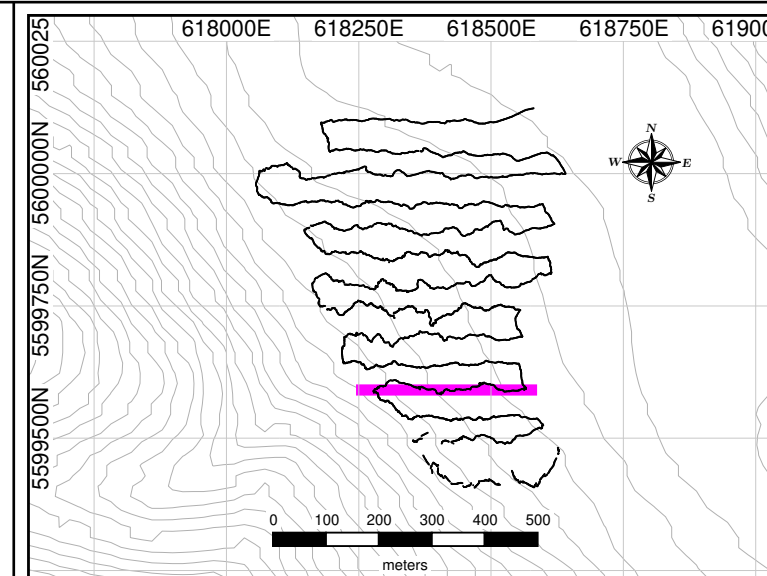
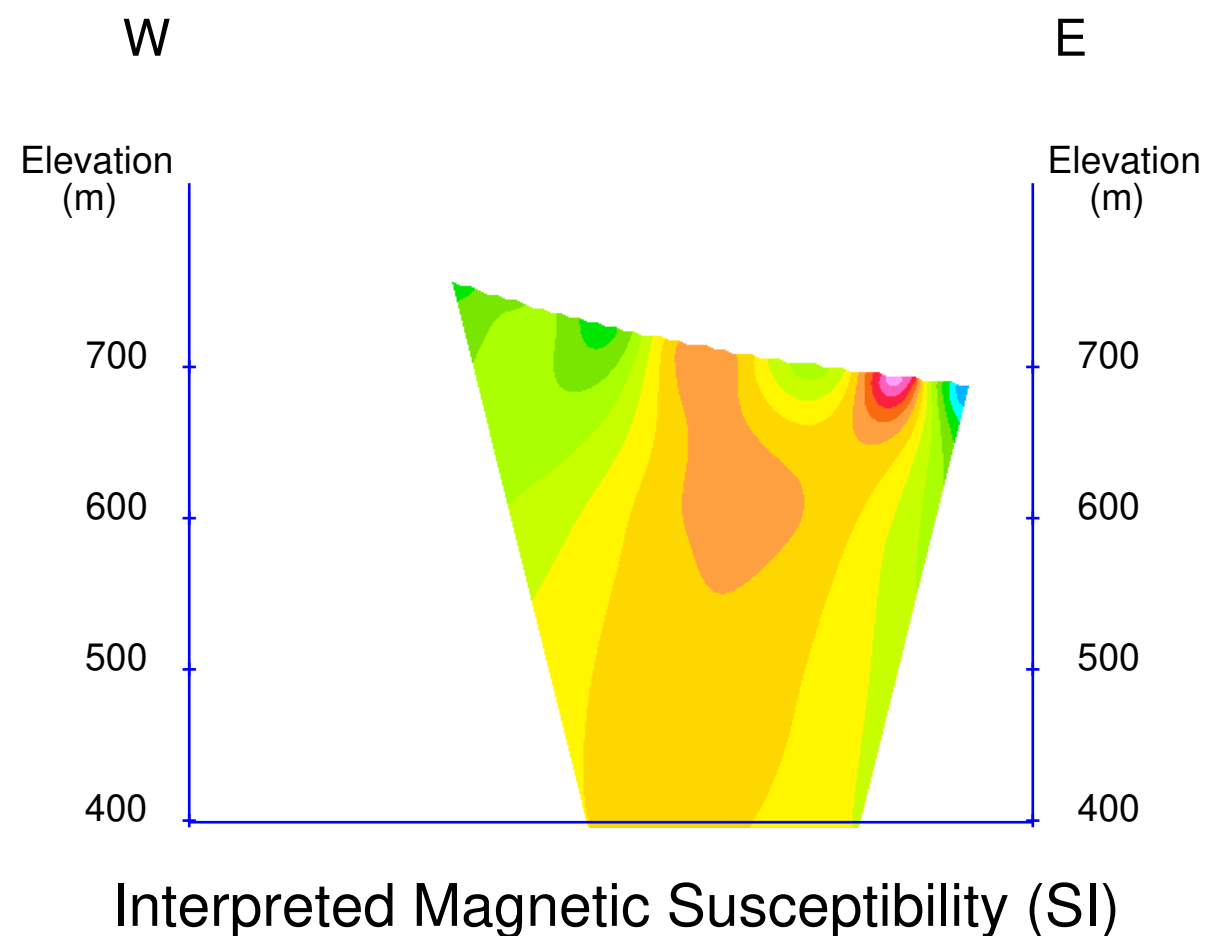
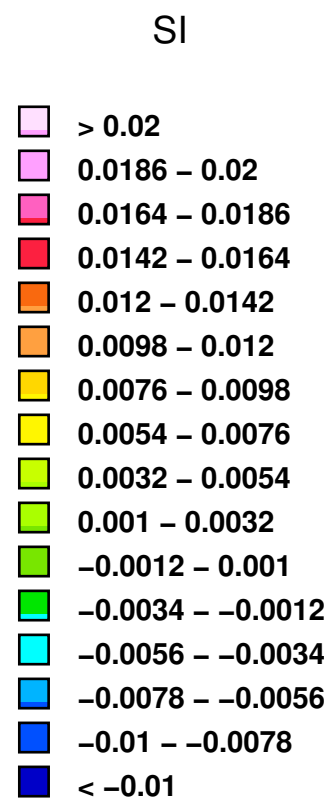
Mapping Information:

Index Map Datum: NAD83
Index Map Projection: UTM Zone 10N
EPSG Code: 26910
Section Map Projection: UTM Coordinate System
Mapping Date: 08-May-2025



Artisan Minerals
Martel Claim Group
BC, Canada

Magnetometer Survey
Magnetic Susceptibility
Cross Section: 599540N



INDEX MAP: 599590N

Project Information:

Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Instrumentation:

Receiver: GEM-19 (Overhauser) magnetometer

Inversion Parameters:

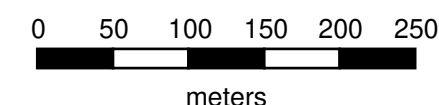
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Magnetic Inversion Model: maginv3d_r2i03.sus

Colour Classification:

Magnetic: Modified Linear

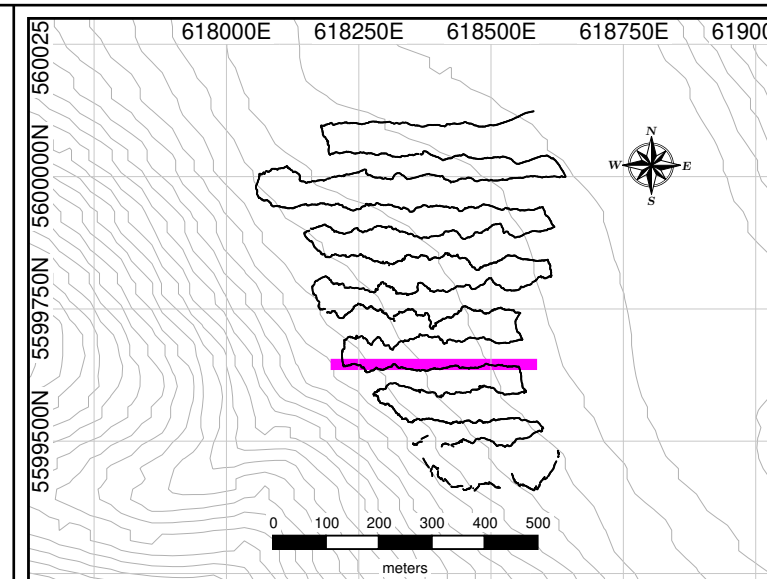
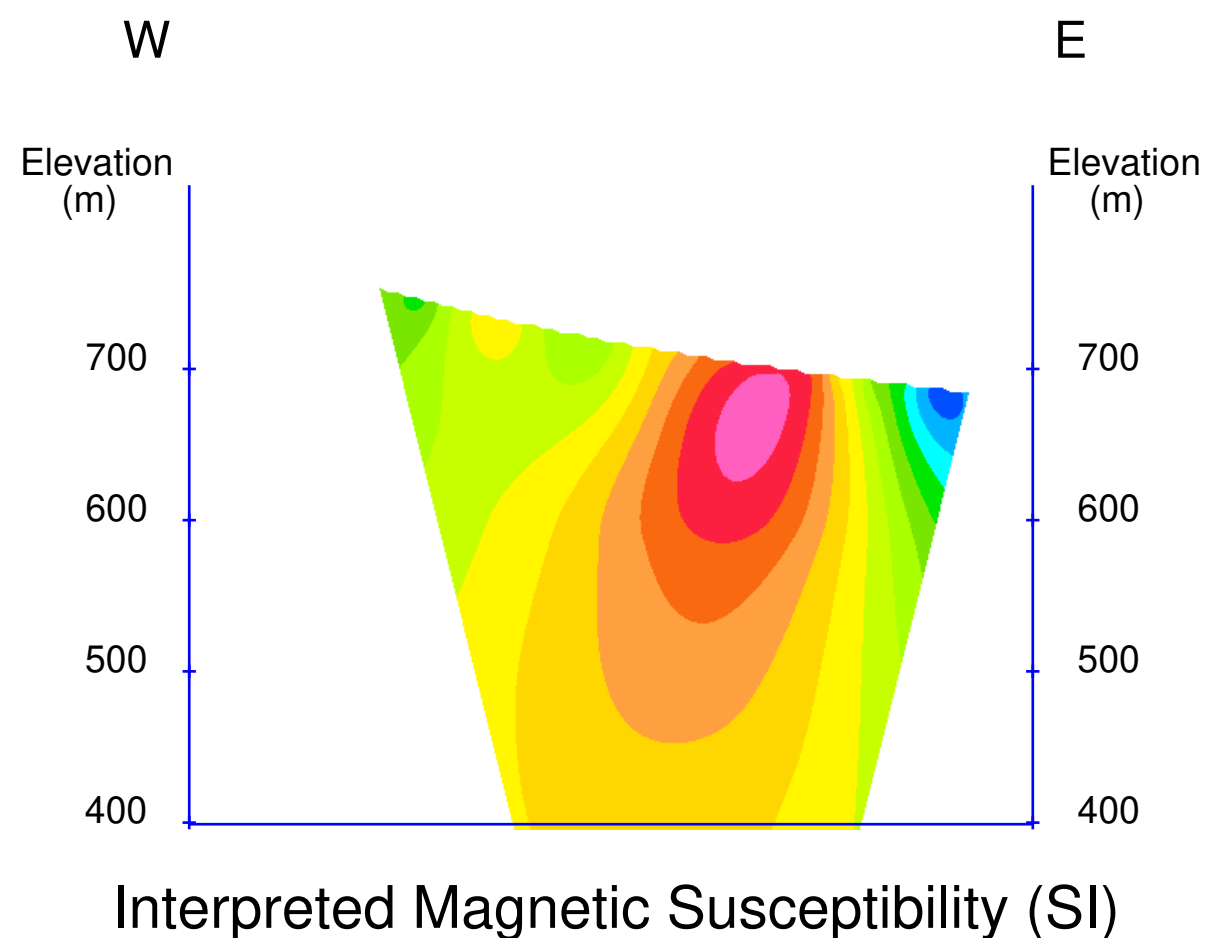
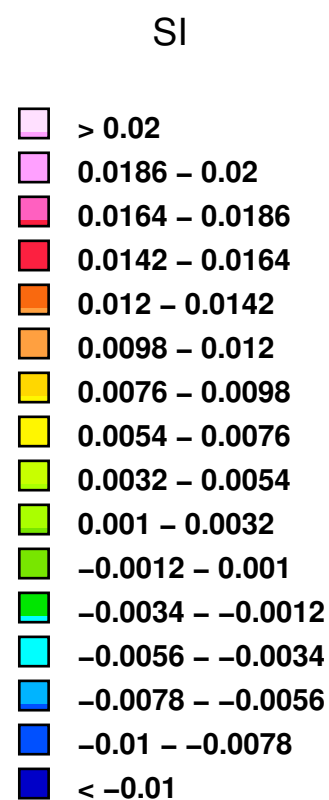
Mapping Information:

Index Map Datum: NAD83
Index Map Projection: UTM Zone 10N
EPSG Code: 26910
Section Map Projection: UTM Coordinate System
Mapping Date: 08-May-2025



Artisan Minerals
Martel Claim Group
BC, Canada

Magnetometer Survey
Magnetic Susceptibility
Cross Section: 599590N



INDEX MAP: 599640N

Project Information:

Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Instrumentation:

Receiver: GEM-19 (Overhauser) magnetometer

Inversion Parameters:

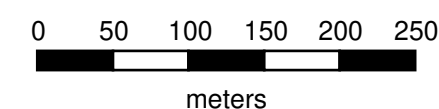
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Inversion Software: UBC-GIF MAG3D
Magnetic Inversion Model: maginv3d_r2i03.sus

Colour Classification:

Magnetic: Modified Linear

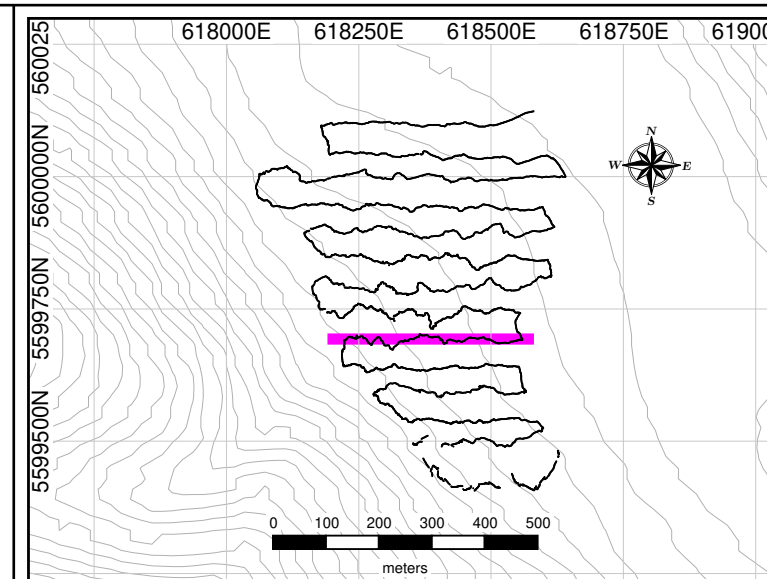
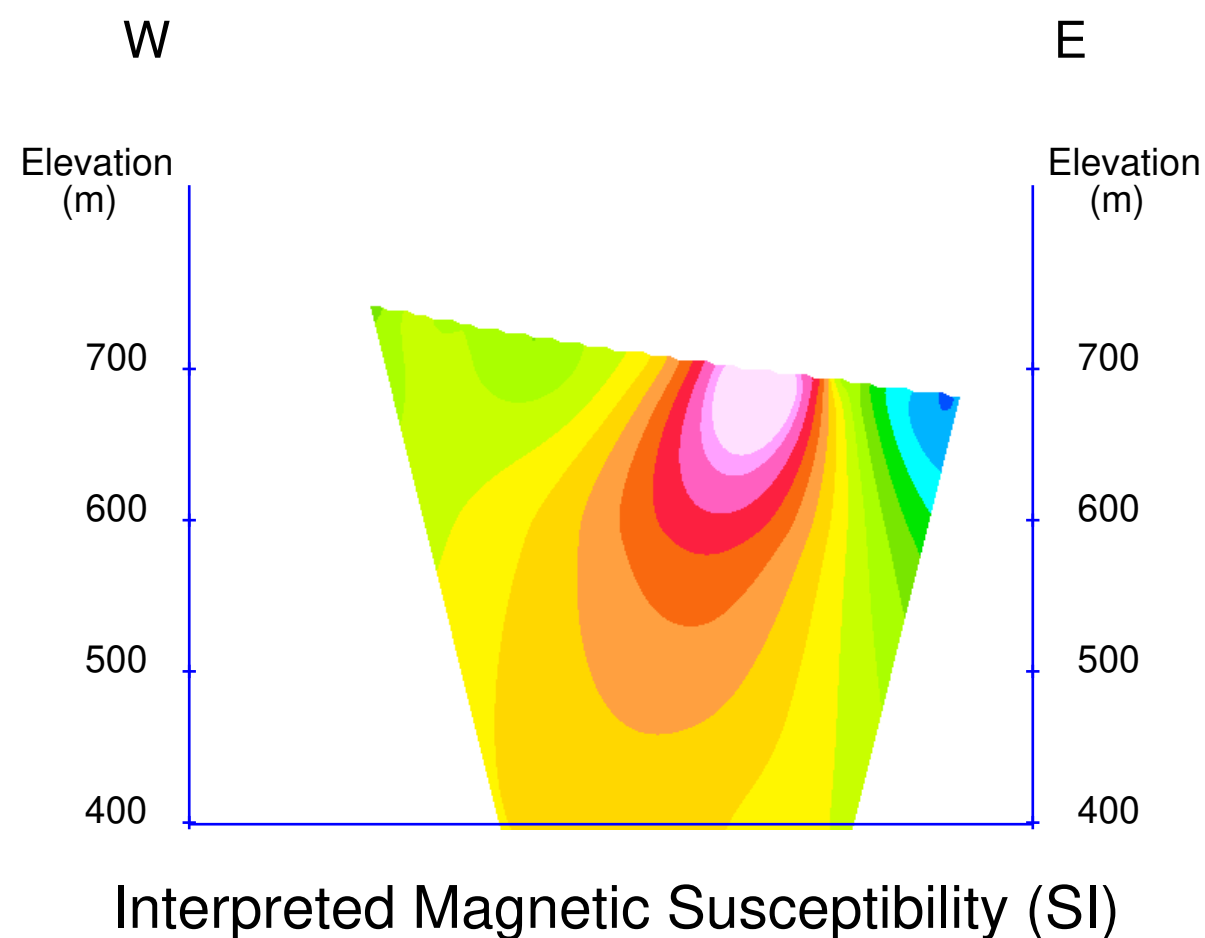
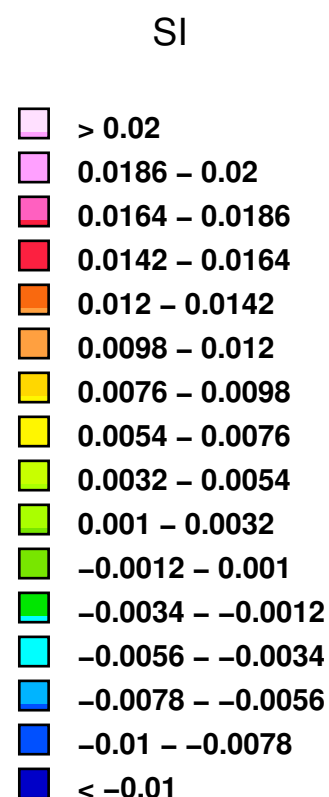
Mapping Information:

Index Map Datum: NAD83
Index Map Projection: UTM Zone 10N
EPSG Code: 26910
Section Map Projection: UTM Coordinate System
Mapping Date: 08-May-2025



Artisan Minerals
Martel Claim Group
BC, Canada

Magnetometer Survey
Magnetic Susceptibility
Cross Section: 599640N



INDEX MAP: 599690N

Project Information:

Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Instrumentation:

Receiver: GEM-19 (Overhauser) magnetometer

Inversion Parameters:

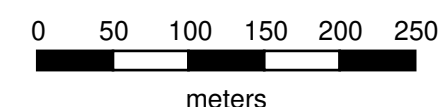
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Magnetic Inversion Model: maginv3d_r2i03.sus

Colour Classification:

Magnetic: Modified Linear

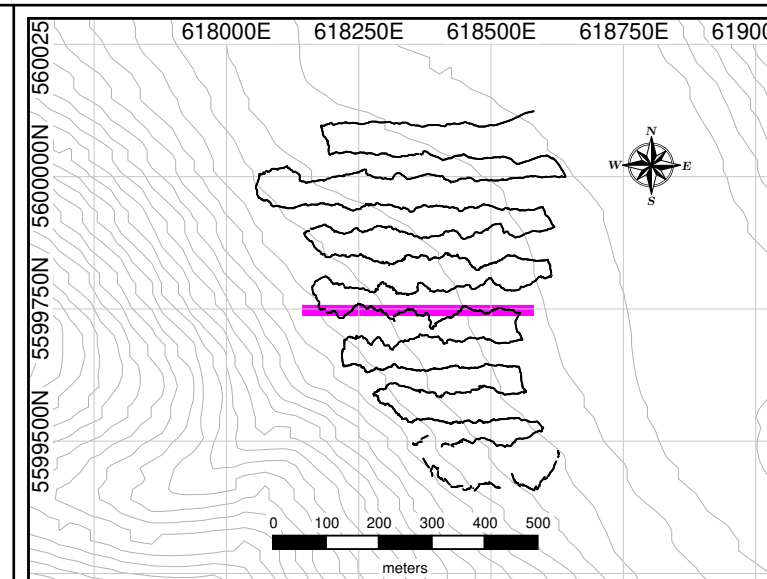
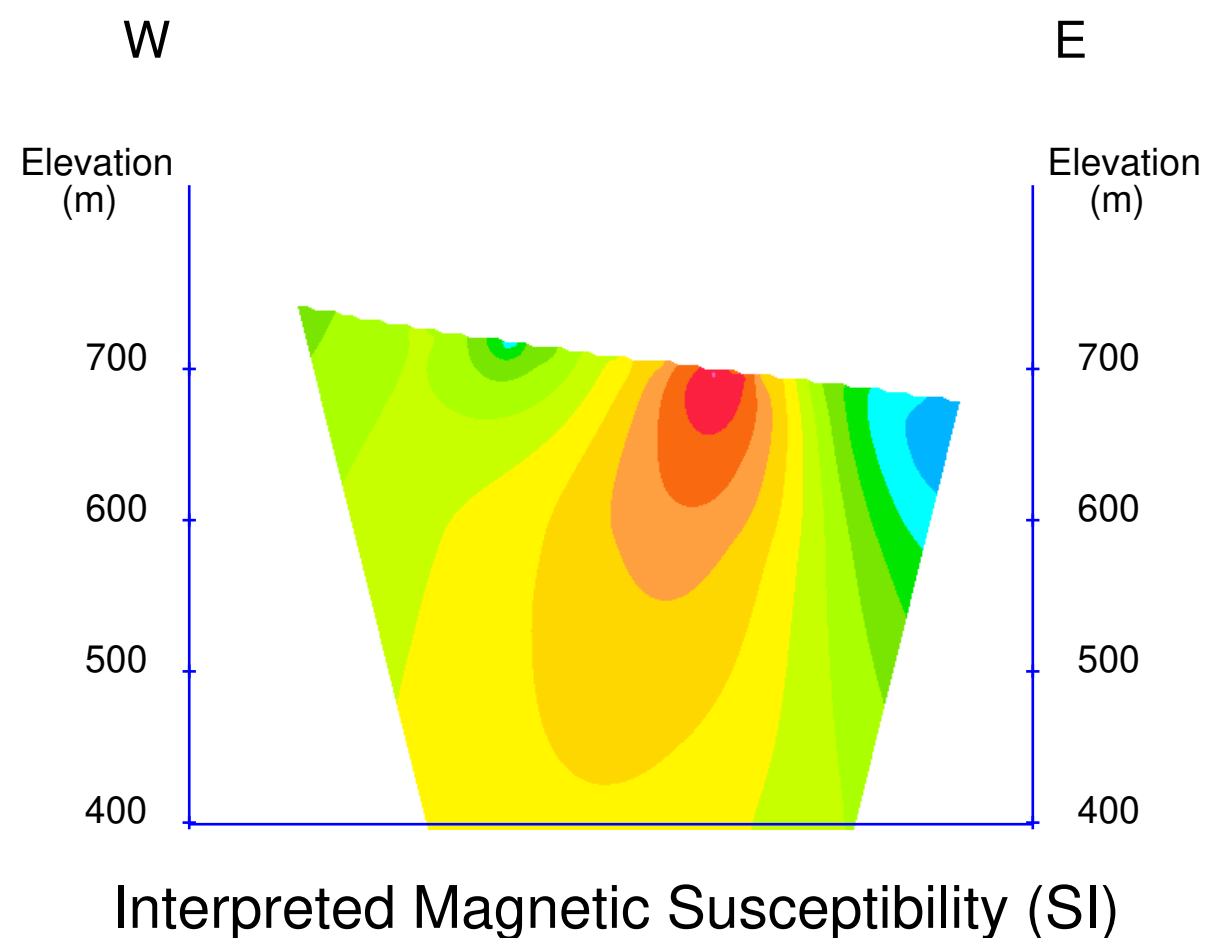
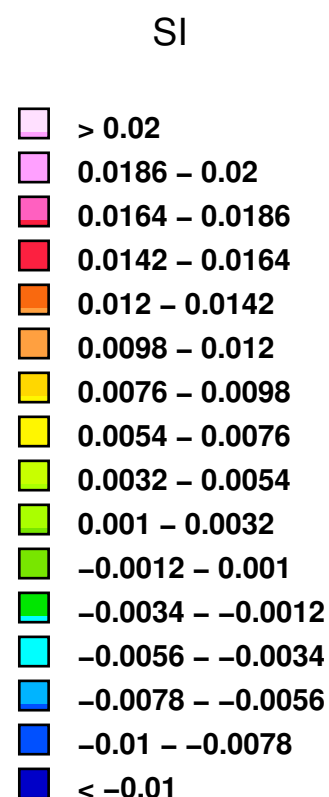
Mapping Information:

Index Map Datum: NAD83
Index Map Projection: UTM Zone 10N
EPSG Code: 26910
Section Map Projection: UTM Coordinate System
Mapping Date: 08-May-2025



Artisan Minerals
Martel Claim Group
BC, Canada

Magnetometer Survey
Magnetic Susceptibility
Cross Section: 599690N



INDEX MAP: 599745N

Project Information:

Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Instrumentation:

Receiver: GEM-19 (Overhauser) magnetometer

Inversion Parameters:

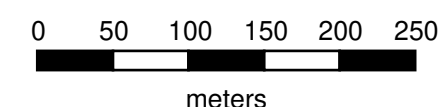
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Magnetic Inversion Model: maginv3d_r2i03.sus

Colour Classification:

Magnetic: Modified Linear

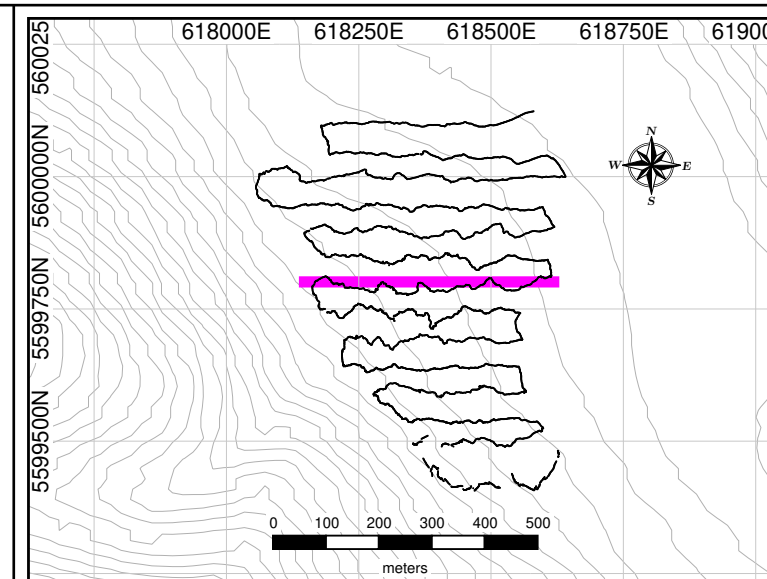
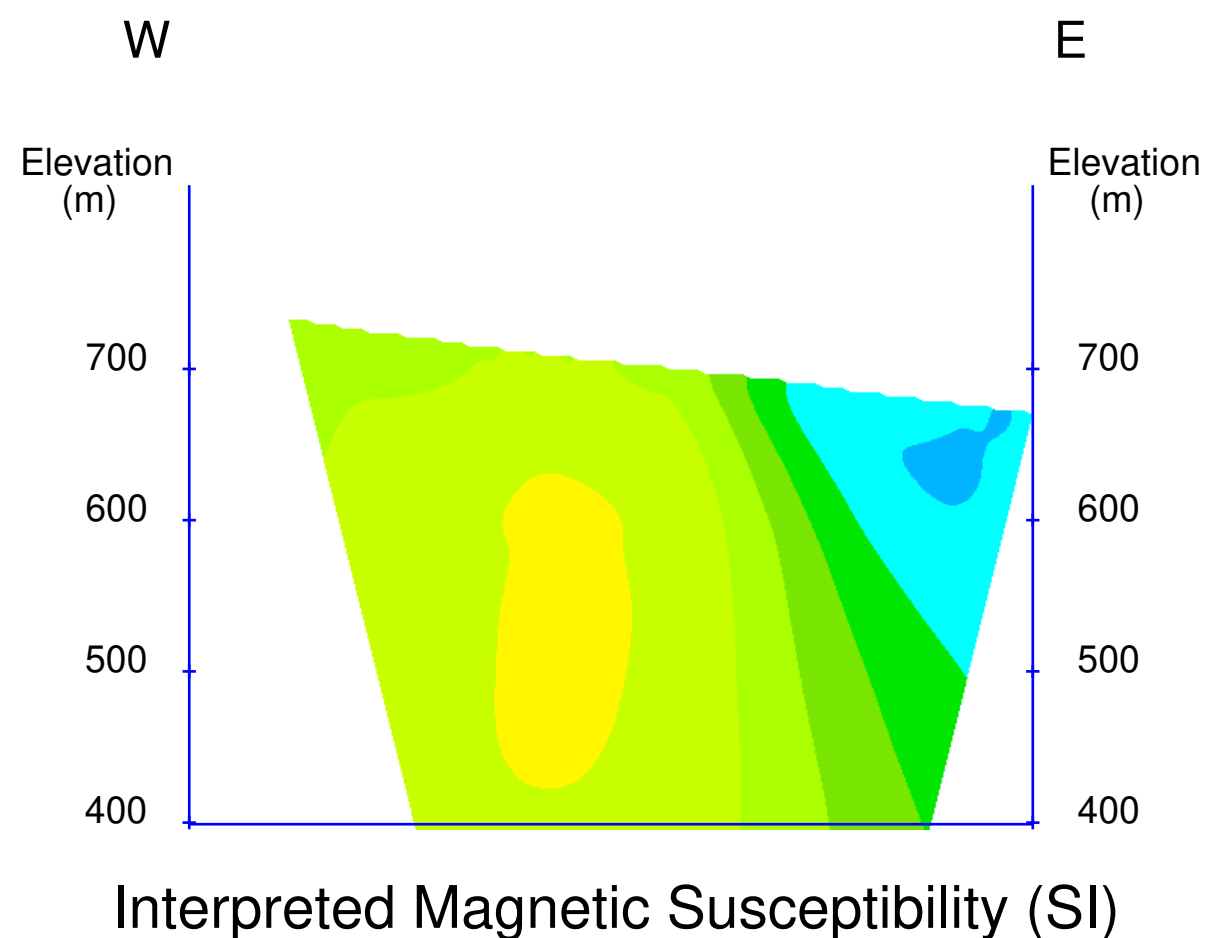
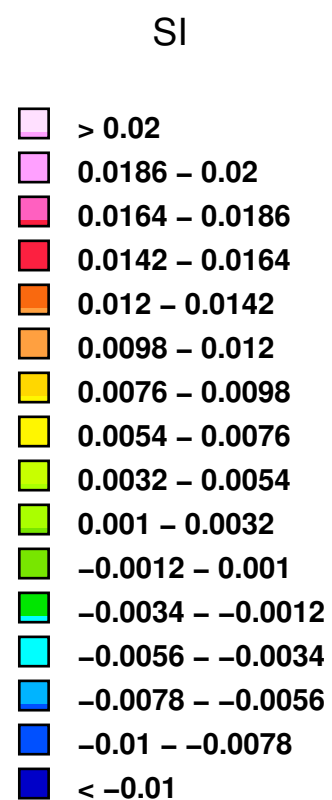
Mapping Information:

Index Map Datum: NAD83
Index Map Projection: UTM Zone 10N
EPSG Code: 26910
Section Map Projection: UTM Coordinate System
Mapping Date: 08-May-2025



Artisan Minerals
Martel Claim Group
BC, Canada

Magnetometer Survey
Magnetic Susceptibility
Cross Section: 599745N



INDEX MAP: 599800N

Project Information:

Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Instrumentation:

Receiver: GEM-19 (Overhauser) magnetometer

Inversion Parameters:

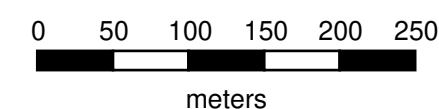
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Magnetic Inversion Model: maginv3d_r2i03.sus

Colour Classification:

Magnetic: Modified Linear

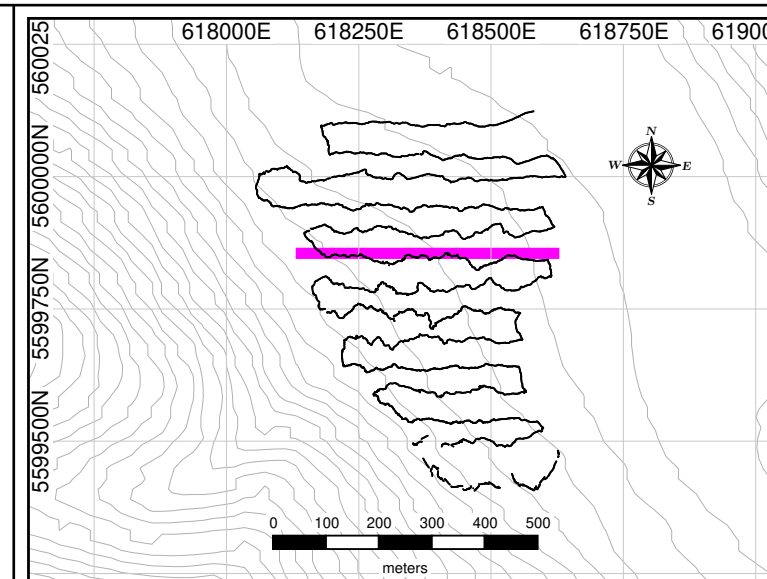
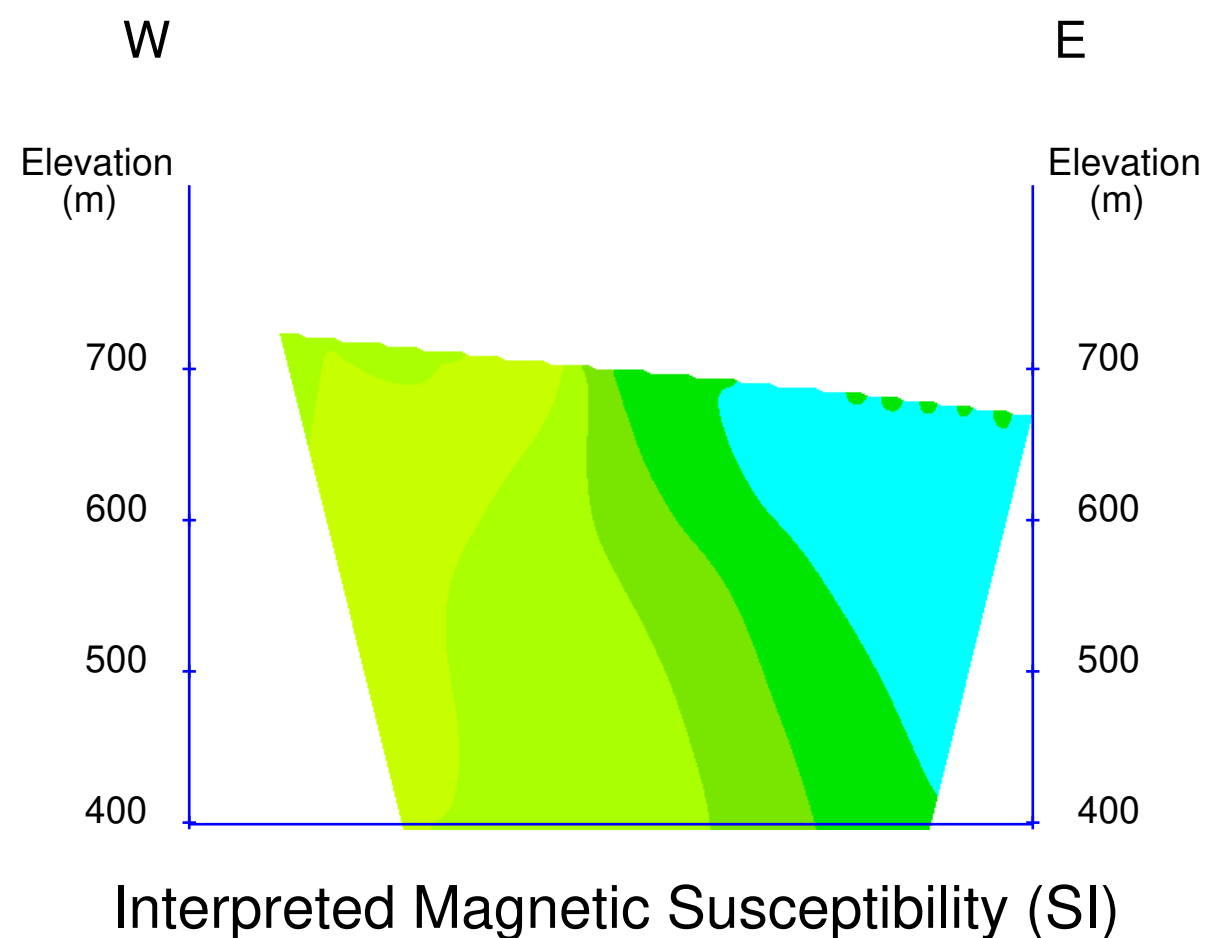
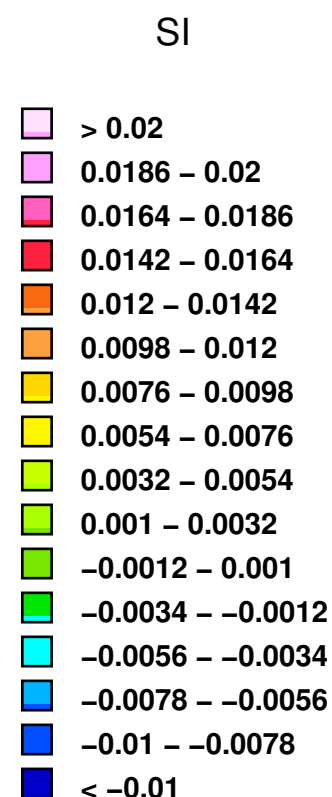
Mapping Information:

Index Map Datum: NAD83
Index Map Projection: UTM Zone 10N
EPSG Code: 26910
Section Map Projection: UTM Coordinate System
Mapping Date: 08-May-2025



Artisan Minerals
Martel Claim Group
BC, Canada

Magnetometer Survey
Magnetic Susceptibility
Cross Section: 599800N



INDEX MAP: 599850N

Project Information:

Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Instrumentation:

Receiver: GEM-19 (Overhauser) magnetometer

Inversion Parameters:

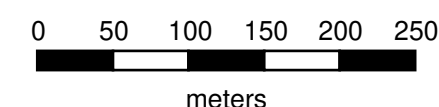
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Inversion Software: UBC-GIF MAG3D
Magnetic Inversion Model: maginv3d_r2i03.sus

Colour Classification:

Magnetic: Modified Linear

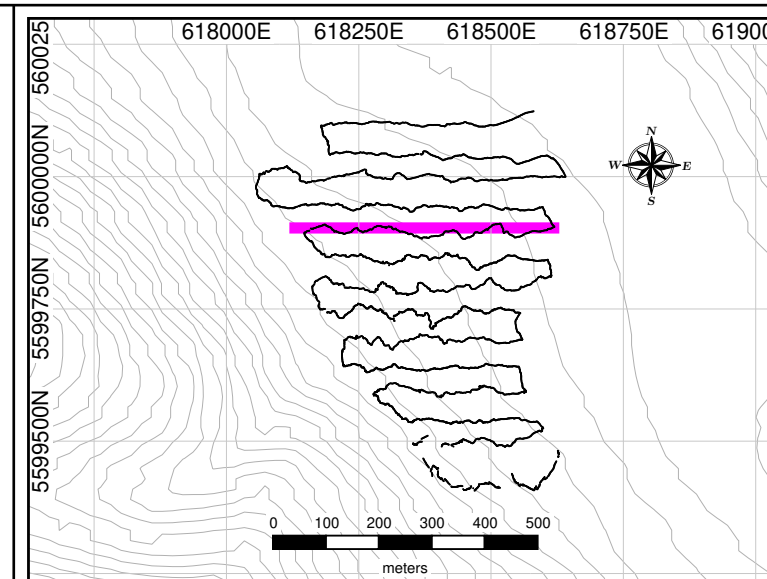
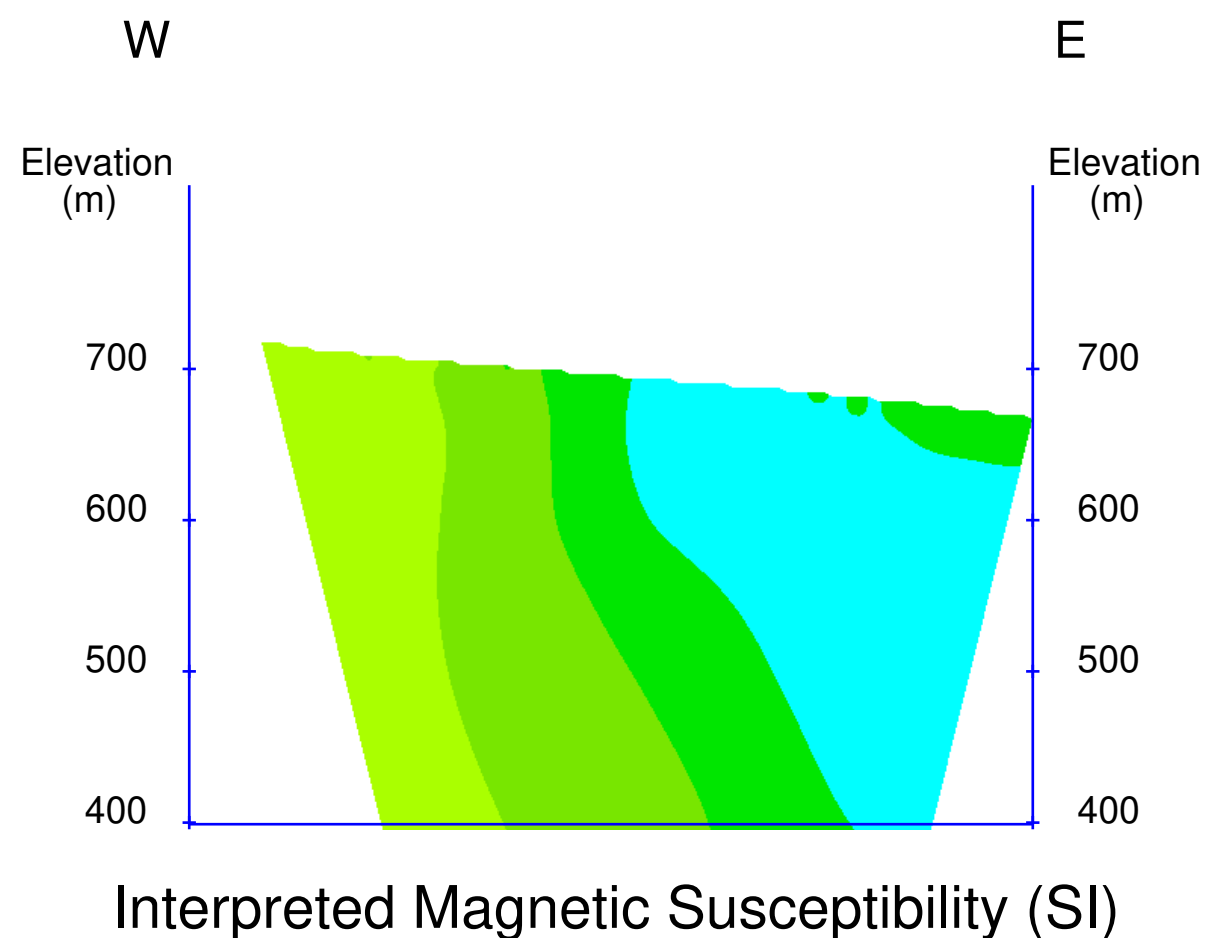
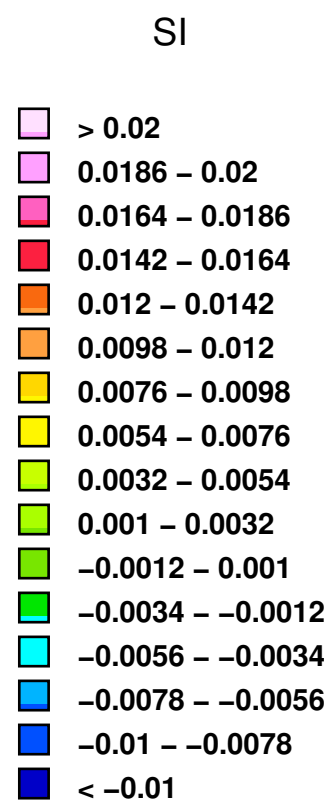
Mapping Information:

Index Map Datum: NAD83
Index Map Projection: UTM Zone 10N
EPSG Code: 26910
Section Map Projection: UTM Coordinate System
Mapping Date: 08-May-2025



Artisan Minerals
Martel Claim Group
BC, Canada

Magnetometer Survey
Magnetic Susceptibility
Cross Section: 599850N



INDEX MAP: 599900N

Project Information:

Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Instrumentation:

Receiver: GEM-19 (Overhauser) magnetometer

Inversion Parameters:

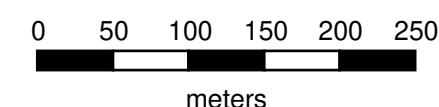
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Magnetic Inversion Model: maginv3d_r2i03.sus

Colour Classification:

Magnetic: Modified Linear

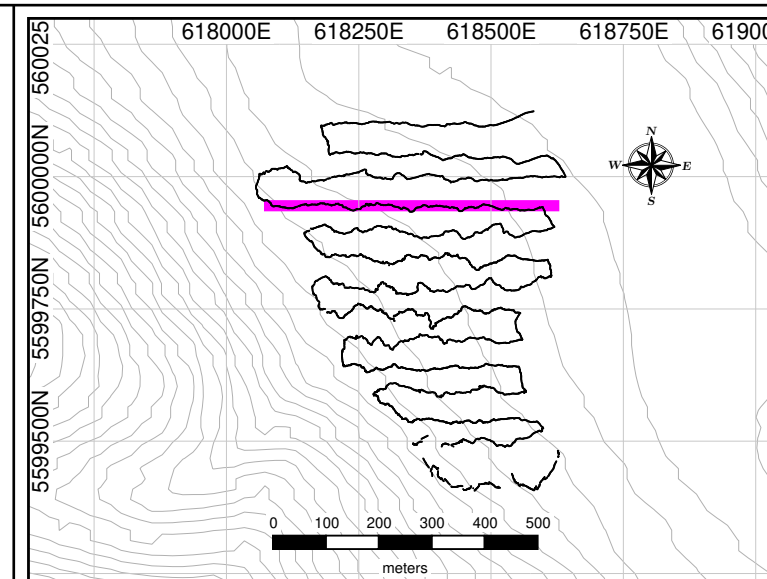
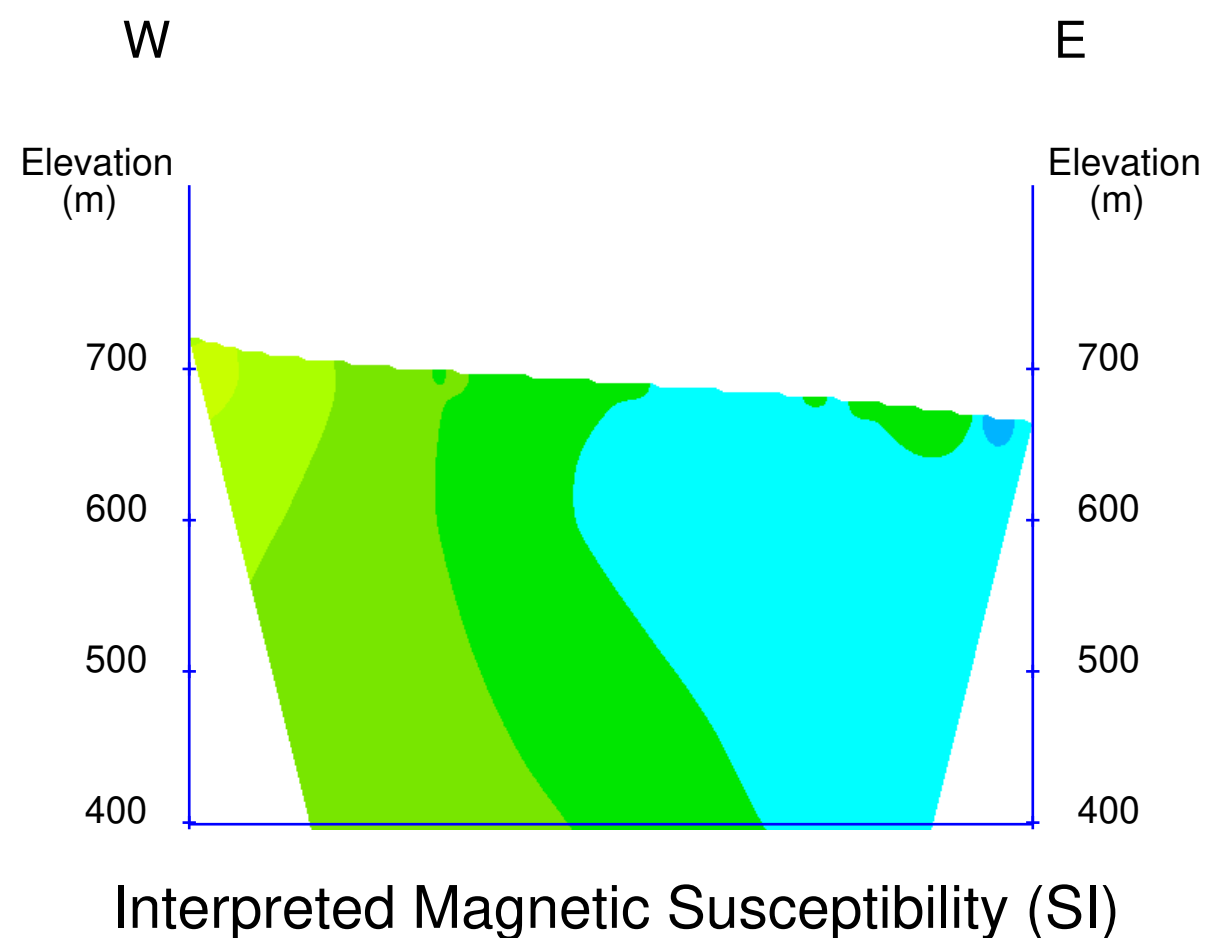
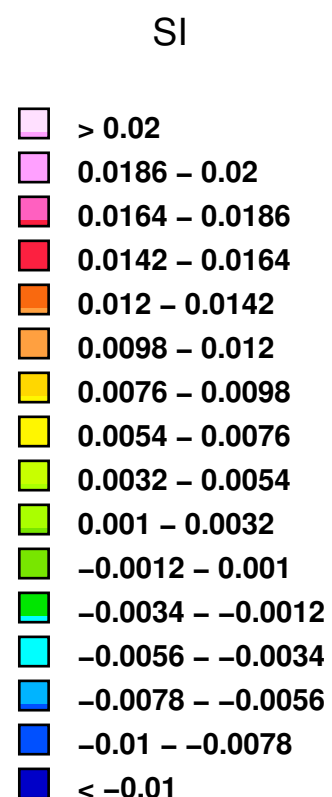
Mapping Information:

Index Map Datum: NAD83
Index Map Projection: UTM Zone 10N
EPSG Code: 26910
Section Map Projection: UTM Coordinate System
Mapping Date: 08-May-2025



Artisan Minerals
Martel Claim Group
BC, Canada

Magnetometer Survey
Magnetic Susceptibility
Cross Section: 599900N



INDEX MAP: 599940N

Project Information:

Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Instrumentation:

Receiver: GEM-19 (Overhauser) magnetometer

Inversion Parameters:

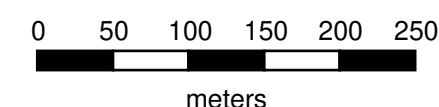
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Magnetic Inversion Model: maginv3d_r2i03.sus

Colour Classification:

Magnetic: Modified Linear

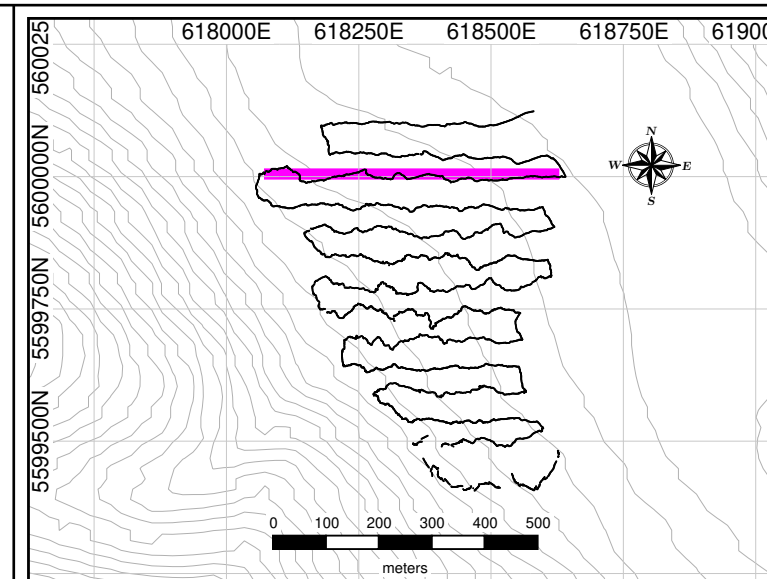
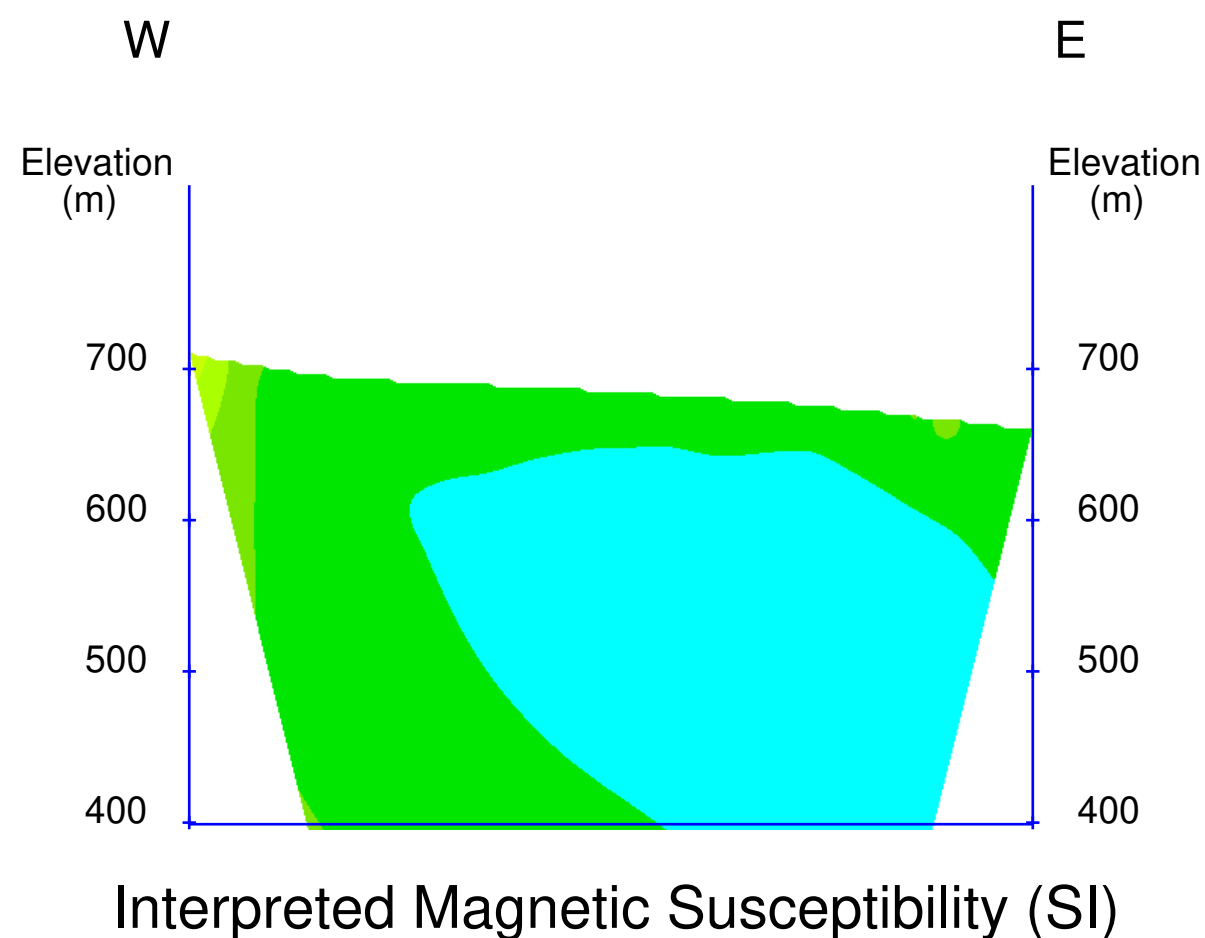
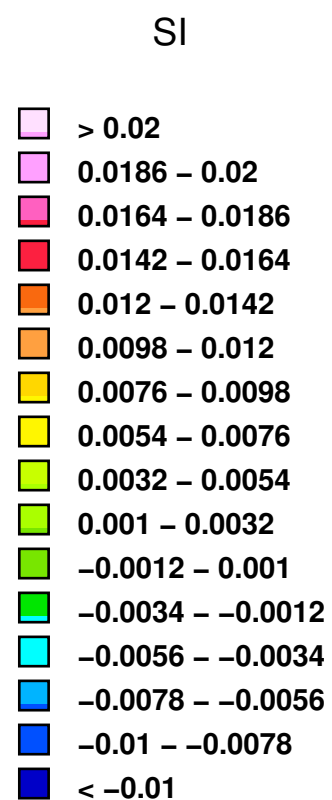
Mapping Information:

Index Map Datum: NAD83
Index Map Projection: UTM Zone 10N
EPSG Code: 26910
Section Map Projection: UTM Coordinate System
Mapping Date: 08-May-2025



Artisan Minerals
Martel Claim Group
BC, Canada

Magnetometer Survey
Magnetic Susceptibility
Cross Section: 599940N



INDEX MAP: 600000N

Project Information:

Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Instrumentation:

Receiver: GEM-19 (Overhauser) magnetometer

Inversion Parameters:

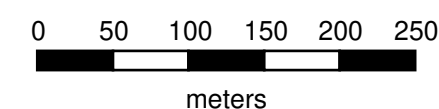
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Magnetic Inversion Model: maginv3d_r2i03.sus

Colour Classification:

Magnetic: Modified Linear

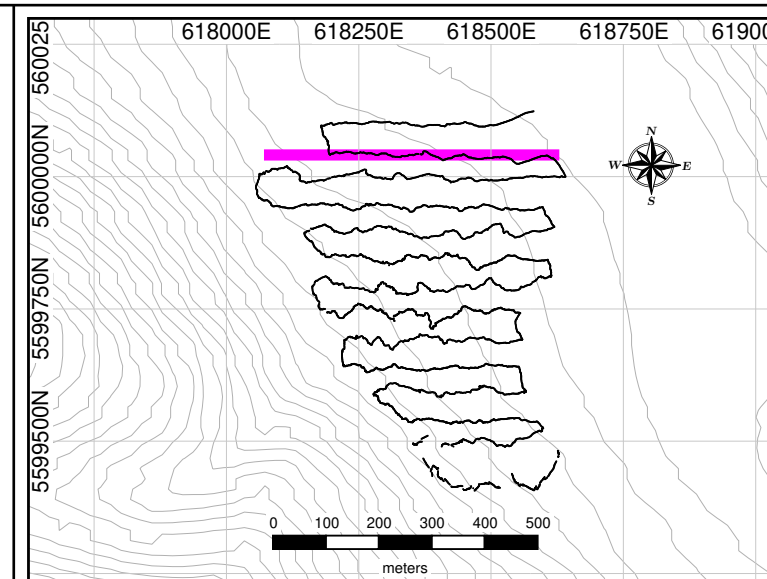
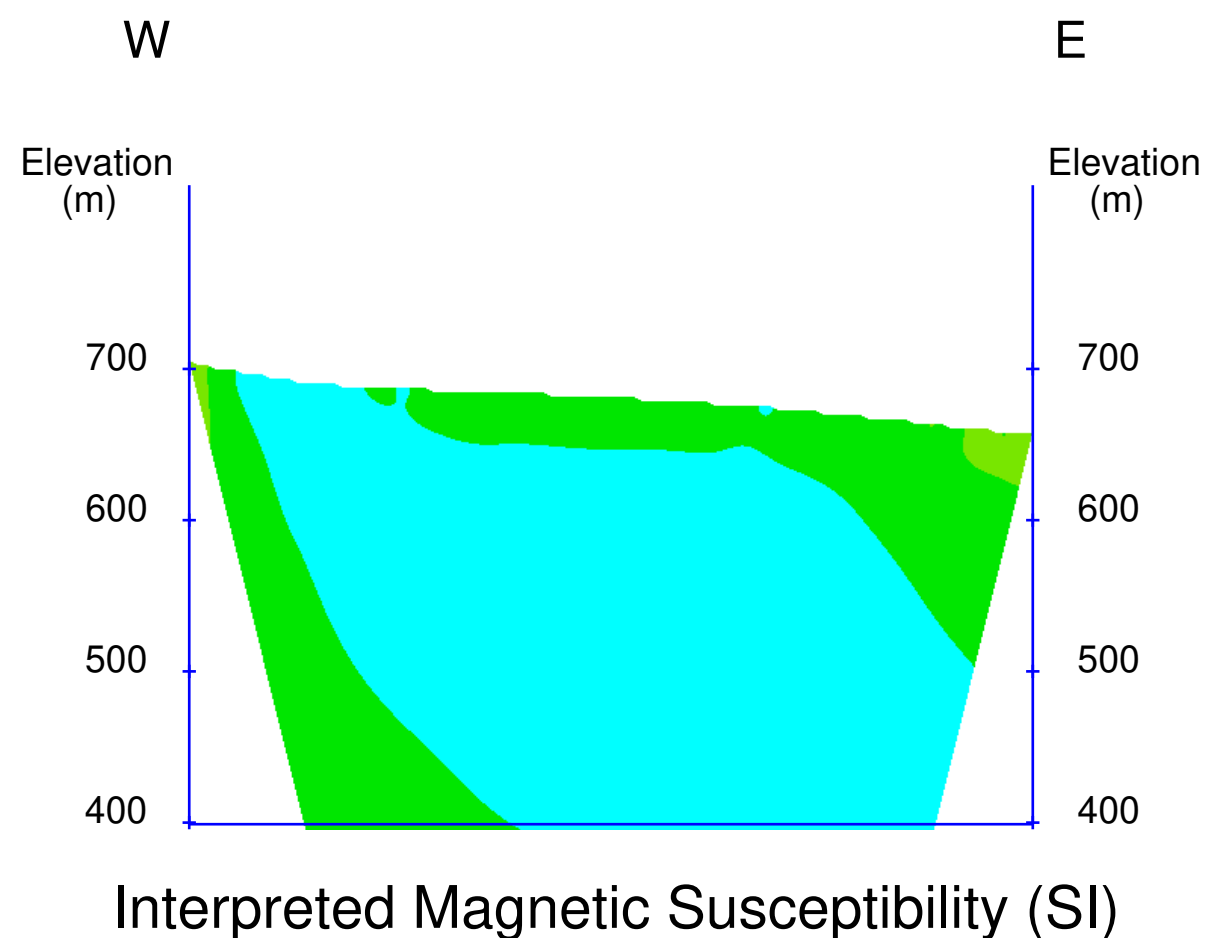
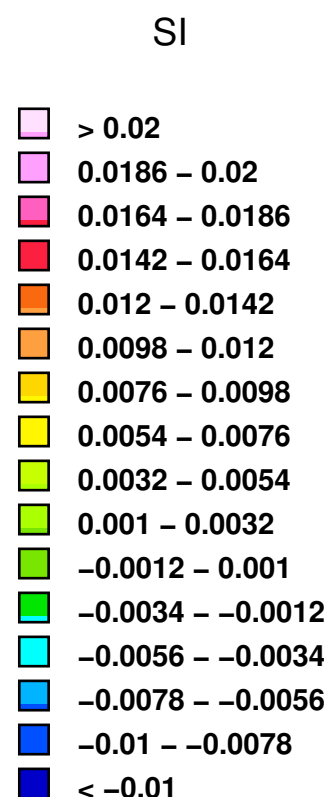
Mapping Information:

Index Map Datum: NAD83
Index Map Projection: UTM Zone 10N
EPSG Code: 26910
Section Map Projection: UTM Coordinate System
Mapping Date: 08-May-2025



Artisan Minerals
Martel Claim Group
BC, Canada

Magnetometer Survey
Magnetic Susceptibility
Cross Section: 600000N



INDEX MAP: 600040N

Project Information:

Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Instrumentation:

Receiver: GEM-19 (Overhauser) magnetometer

Inversion Parameters:

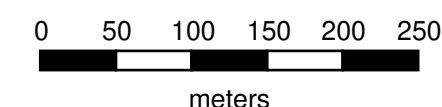
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Magnetic Inversion Model: maginv3d_r2i03.sus

Colour Classification:

Magnetic: Modified Linear

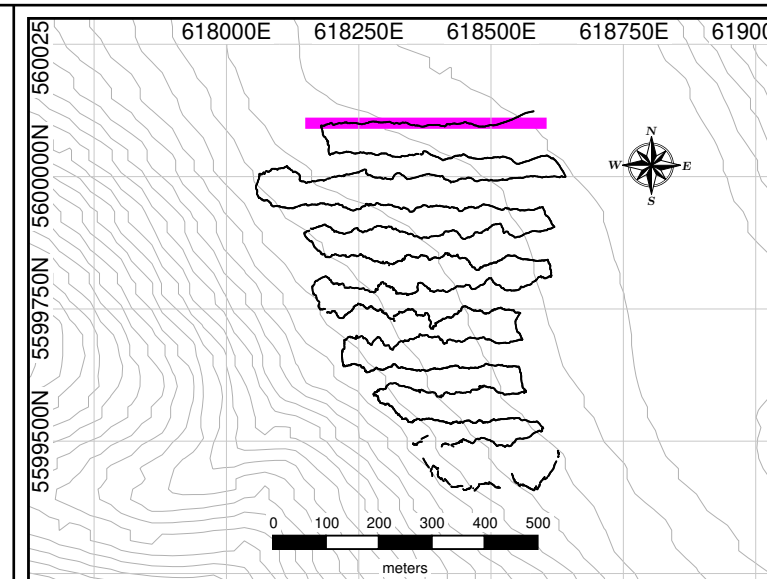
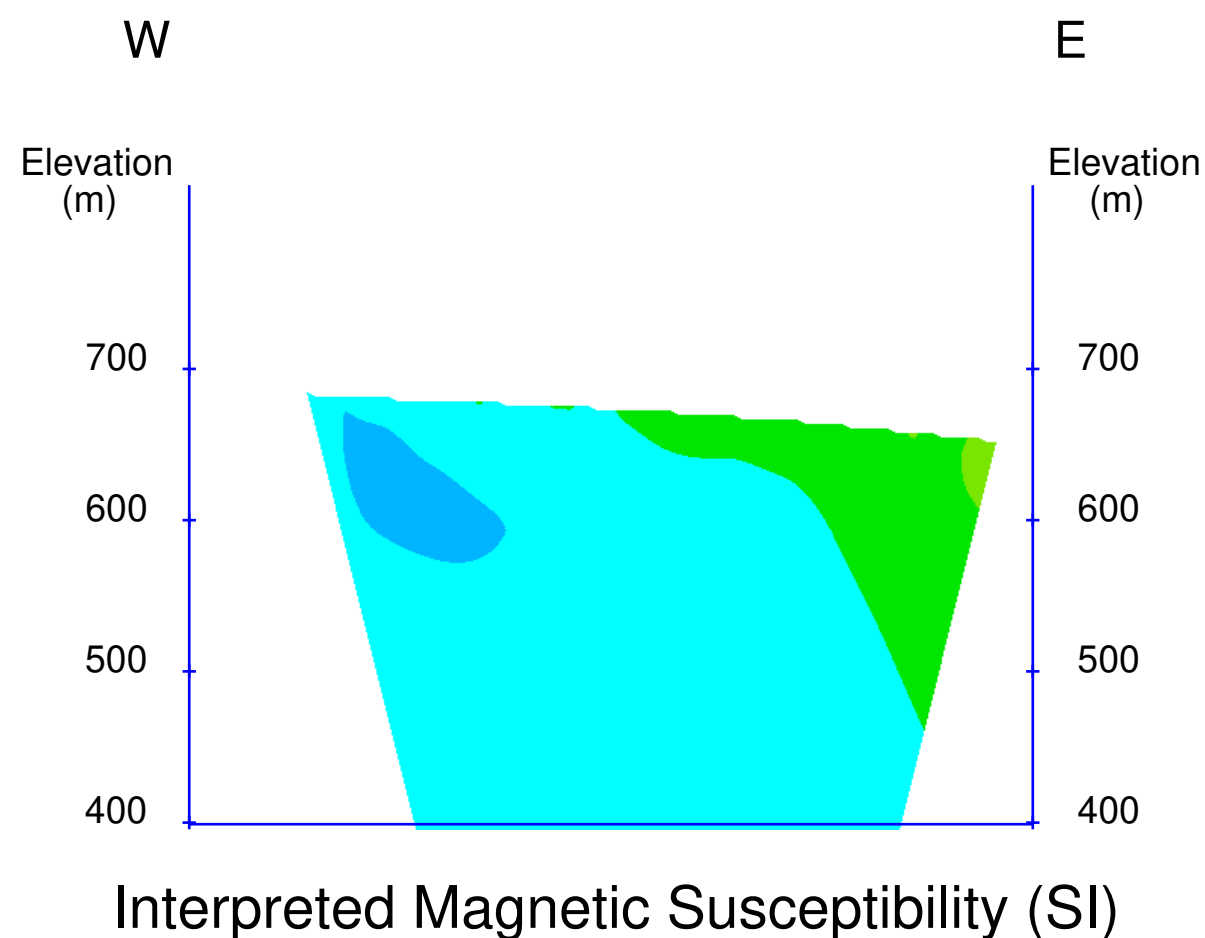
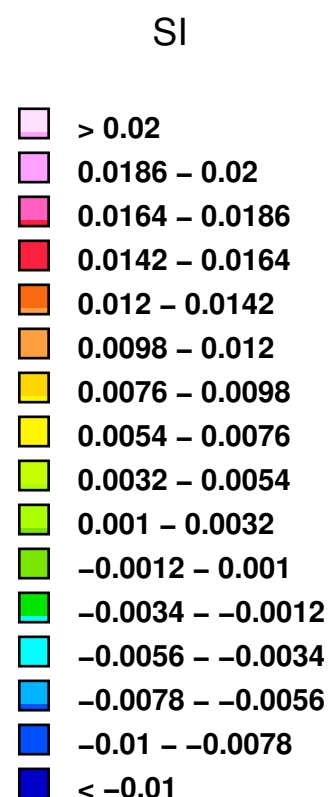
Mapping Information:

Index Map Datum: NAD83
Index Map Projection: UTM Zone 10N
EPSG Code: 26910
Section Map Projection: UTM Coordinate System
Mapping Date: 08-May-2025



Artisan Minerals
Martel Claim Group
BC, Canada

Magnetometer Survey
Magnetic Susceptibility
Cross Section: 600040N



INDEX MAP: 600100N

Project Information:

Survey by: William Nelson
Survey Type: Ground Magnetic
Survey Date: Feb10, 2022

Instrumentation:

Receiver: GEM-19 (Overhauser) magnetometer

Inversion Parameters:

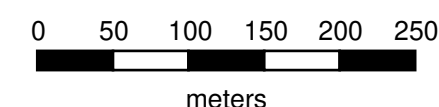
Inversion by: S.J.V. Consultants Ltd.
Inversion Software: UBC-GIF MAG3D
Magnetic Inversion Model: maginv3d_r2i03.sus

Colour Classification:

Magnetic: Modified Linear

Mapping Information:

Index Map Datum: NAD83
Index Map Projection: UTM Zone 10N
EPSG Code: 26910
Section Map Projection: UTM Coordinate System
Mapping Date: 08-May-2025



Artisan Minerals
Martel Claim Group
BC, Canada

Magnetometer Survey
Magnetic Susceptibility
Cross Section: 600100N

APPENDIX 1

Exploration Work type	Comment	Days			Totals
Personnel	Field Days	Days	Rate	Subtotal*	
William Nelson, Prospector	May 20th , 2024	0.5	\$500.00	\$250.00	
Jean Phillipe St Louis, Assistant	May 20th , 2024	0.5	\$300.00	\$150.00	
				\$400.00	\$400.00
Office Studies	List Personnel				
Report preparation	William Nelson	0.5	\$500.00	\$250.00	
				\$250.00	\$250.00
Airborne Exploration Surveys	Line Kilometres				
Digital terrain modelling	9.1 km	1.0	\$100.00	\$100.00	
				\$100.00	\$100.00
Remote Sensing	Area in Hectares				
Aerial photography	140 Ha		\$100.00	\$100.00	
3D Mag Inversion	140 Ha		\$2550.00	\$2550.0	5
				\$2650.00	\$2650.00
Transportation		No.	Rate	Subtotal	
truck rental		0.50	\$100.00	\$50.00	
fuel		1.00	\$35.62	\$35.62	
				\$85.62	\$85.62
Accommodation & Food	Rates per day				
Meals	actual costs		\$32.85	\$32.85	
				\$32.85	\$32.85
Equipment Rentals					
Field Gear (Specify)	DJI Mavic Pro		\$50.00	\$50.00	
				\$50.00	\$50.00
<i>TOTAL Expenditures</i>					\$3,568.47