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

Assessment Report
Title Page and Summary

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

TOTAL COST: 4125.00

AUTHOR(S): Welz, M., Walcott P

SIGNATURE(S): digital

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): Oct 29th-Nov 3rd, 2017

YEAR OF WORK: 2017

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5674729

PROPERTY NAME: Mack/Snowpeak

CLAIM NAME(S) (on which the work was done): Mack (1048104)

COMMODITIES SOUGHT: Cu, Mo, Au

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 104J 014

MINING DIVISION: Liard

NTS/BCGS: 104J08

LATITUDE: 58 ° 27 '23 " **LONGITUDE:** 130 ° 25 '03 " **(at centre of work)**

OWNER(S):

1) United Mineral Services Ltd.

2)

MAILING ADDRESS:

1500-1040 WEST GEORGIA STREET
VANCOUVER, B.C

OPERATOR(S) [who paid for the work]:

1)

2)

MAILING ADDRESS:

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

Molybdenum, Copper, Gold, Tungsten,Intermontane,Stikine,Takwahoni Formation,Late Cretaceous

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 3207,3848,6354,7657

Next Page

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 Interp/Inversion			4125.00
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:	4125.00

EVENT # 5674729

AN ASSESSMENT REPORT

ON

GEOPHYSICAL PROCESSING AND REVIEW

SNOW PEAK PROJECT
Mack Claim
Dease Lake Area, British Columbia

Liard Mining Division
58° 27' 23" N, 130° 25'03" W
NTS 104J/08
BCGS 104J048

Claims: 1048104

Work Dates: October 29th – November 3rd, 2017

for

UNITED MINERAL SERVICES LTD.

VANCOUVER, BRITISH COLUMBIA

by
Marek Welz M.Sc.
Peter E. Walcott, P.Eng

PETER E. WALCOTT & ASSOCIATES LIMITED

Coquitlam, British Columbia
JANUARY 2018

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INTRODUCTION.

Between October 29th and November 3rd, 2017 Peter E. Walcott & Associates Limited undertook a geophysical review on historical data over the Mack Claim – Snowpeak Project for United Mineral Services Ltd.

The review utilized several historical datasets, which were digitized, processed and subsequently inverted in an effort to generate target areas for the upcoming field season.

PROPERTY LOCATION AND ACCESS.

The property is located in the Liard Mining Division of British Columbia some 25 kilometres west of the community of Dease Lake in north western British Columbia.

Access is gained via a helicopter from Dease Lake. Access may also be possible utilizing staging area along Highway 51 some 11 kilometres SSW of the project

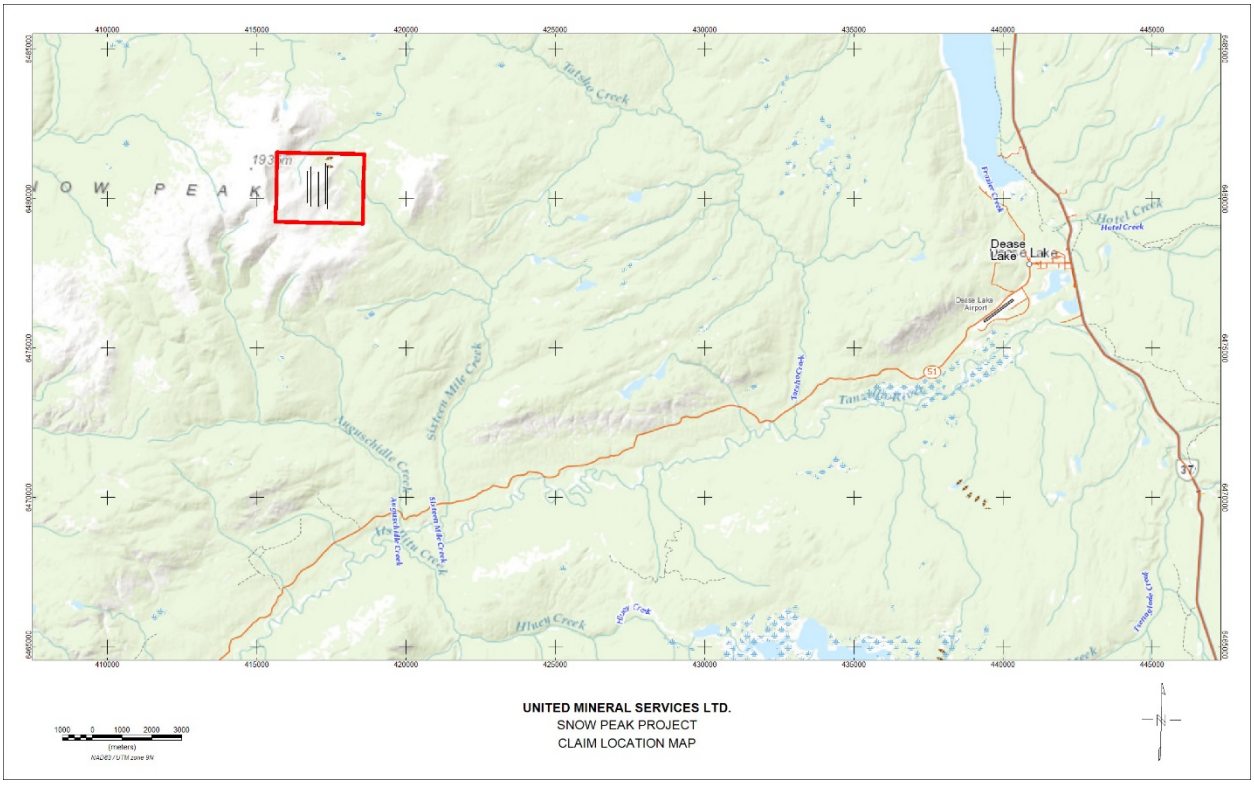


Figure 1. Property Location Map

PROPERTY LOCATION AND ACCESS con't.

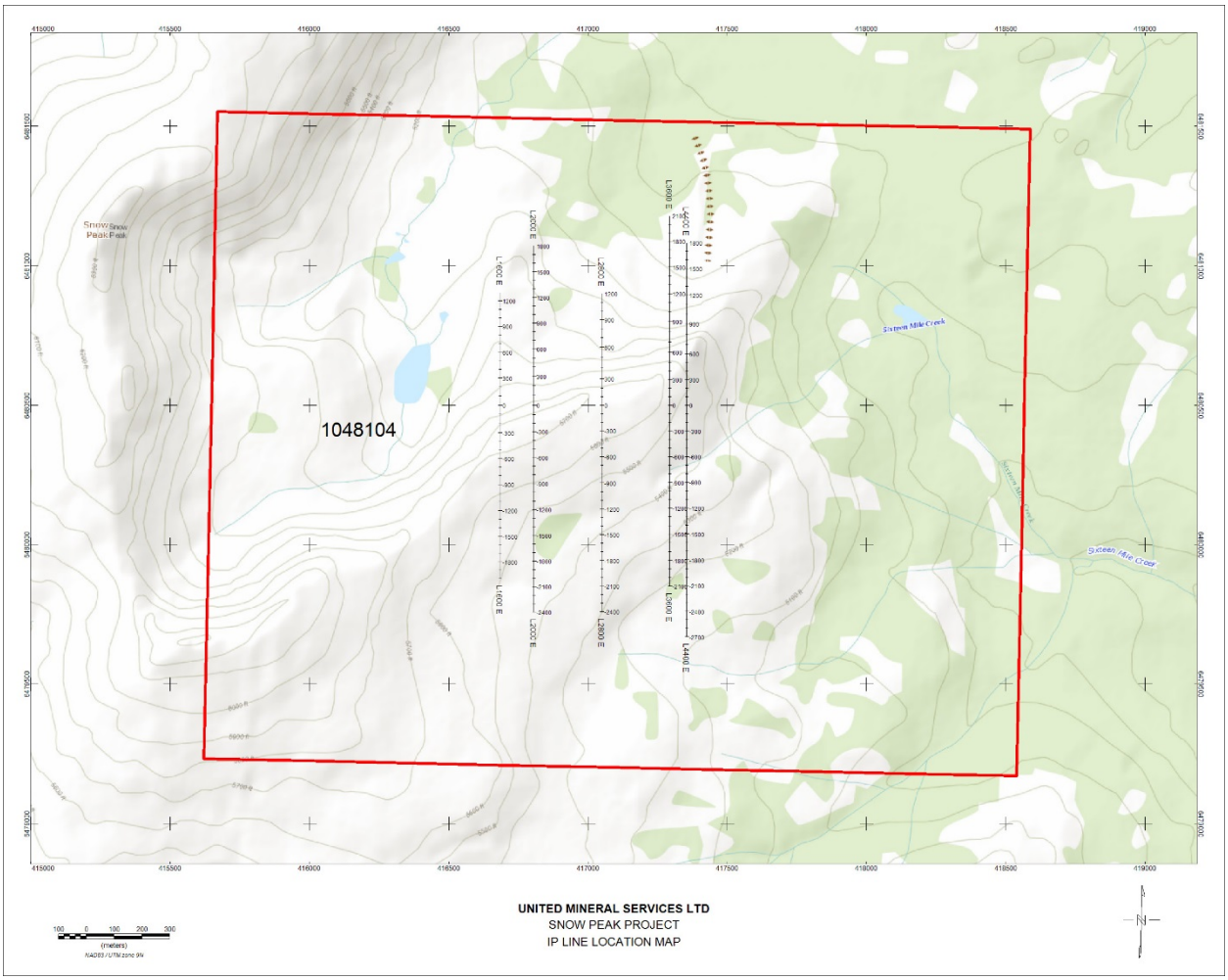


Figure 2. Claim and Historical IP Line Location Map

PREVIOUS WORK.

Sulphide mineralization has been known at Snow Peak since the early 1960's. Showings within the area were originally staked in 1966 by A. Nehase, of Dease Lake.

The claims were allowed to laps the following year and the ground remained open until 1969 when the Mack claims were staked by Tournigan Mining Ltd. Tournigan carried out geochemical and geological investigations in 1970 and 1971.

The Mack Claim Group was transferred to Tormex Resources Ltd. in 1972 (then a subsidiary of Tournigan) and additional claims were added to the group. In 1972, the soil sampling survey was expanded and a 28 line-mile vertical field magnetometer survey was carried out.

During the 1975-1976 assessment years, some road construction and trenching were carried out. Also, an IP survey over an area of approximately 750 by 900m was completed – a total of five lines. During the summer of 1979, the existing trench from 1976 was extended to the east, and two pits were dug to test the IP anomalies.

The Dease Lake Geoscience Project, part of Geoscience BC's QUEST-NW initiative, was launched in 2011 to stimulate exploration in northwestern British Columbia. The Mack project area was covered by bedrock mapping and airborne geophysical surveys as part of this initiative.

For further information the reader is referred to reports held by United Mineral Services Ltd. and to the assessment reports on the ARIS website.

REGIONAL GEOLOGY.

The Mack project is located on the Dease Lake Map Area which straddles the boundary between the Cache Creek and Stikine terranes; this boundary is marked by the King Salmon Fault. At this latitude, the Stikine terrane comprises three overlapping island arc successions: the Stikine assemblage, and the Stuhini and Hazleton groups that span 200 Ma from the Devonian to the Middle Jurassic (Figure 3).

The plutonic suites include the Devono- Carboniferous Forrest Kerr suite, the Late Triassic Stikine and Copper Mountain suites, the Early Jurassic Texas Creek suite and the Middle Jurassic Three Sisters suite (Figure 4). Early Jurassic sedimentary rocks of the Takwahoni Formation overlie the Stikine terrane and form the immediate footwall to the King Salmon fault. The Snow Peak pluton is an equidimensional, latest Cretaceous/Palaeocene granodiorite that intrudes the Early Jurassic Takwahoni sedimentary rocks (Logan et al., 2012).

REGIONAL GEOLOGY con't.

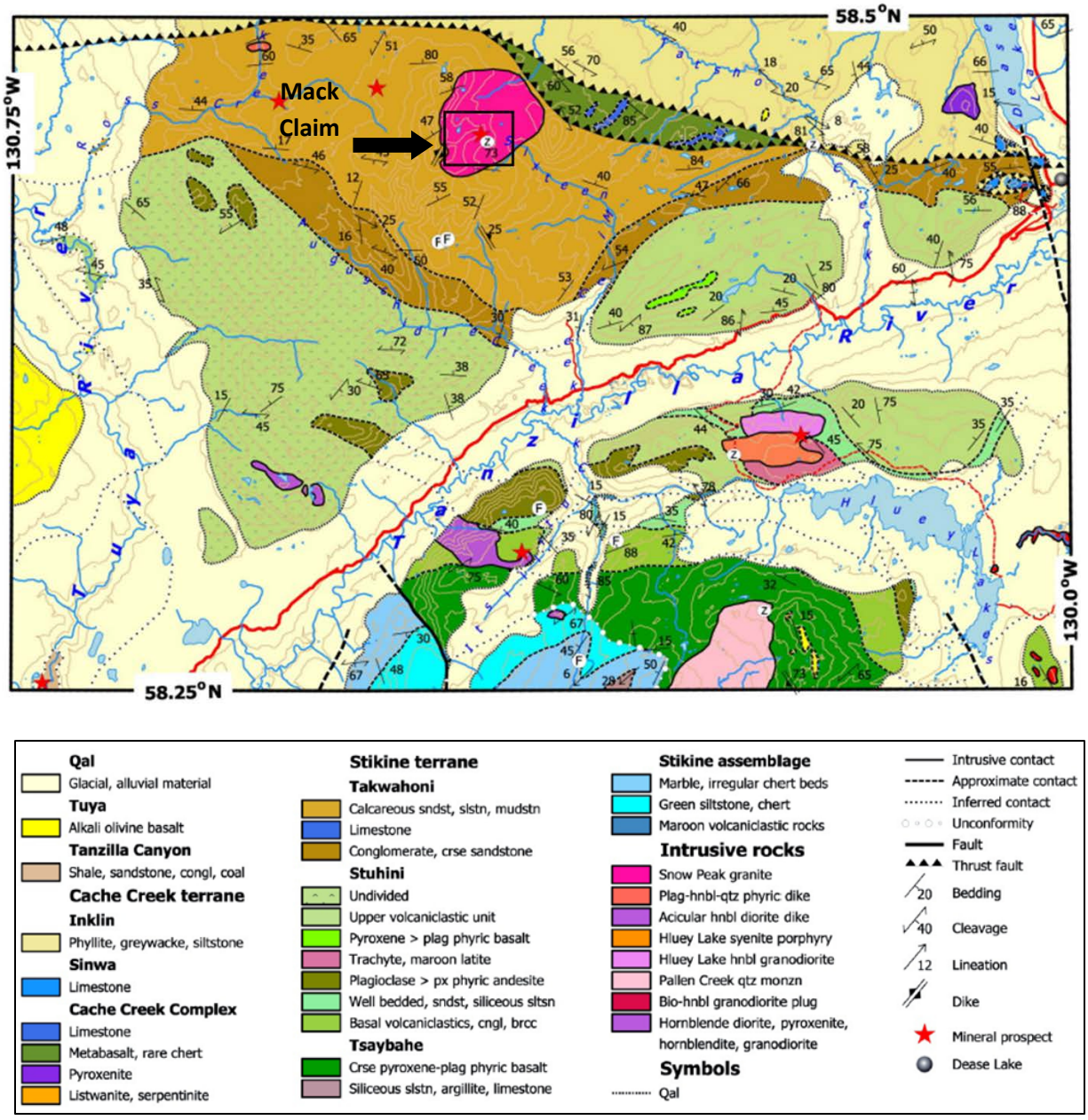


Figure 3. Regional Geology Map. (modified after Logan et al., 2012)

REGIONAL GEOLOGY con't.

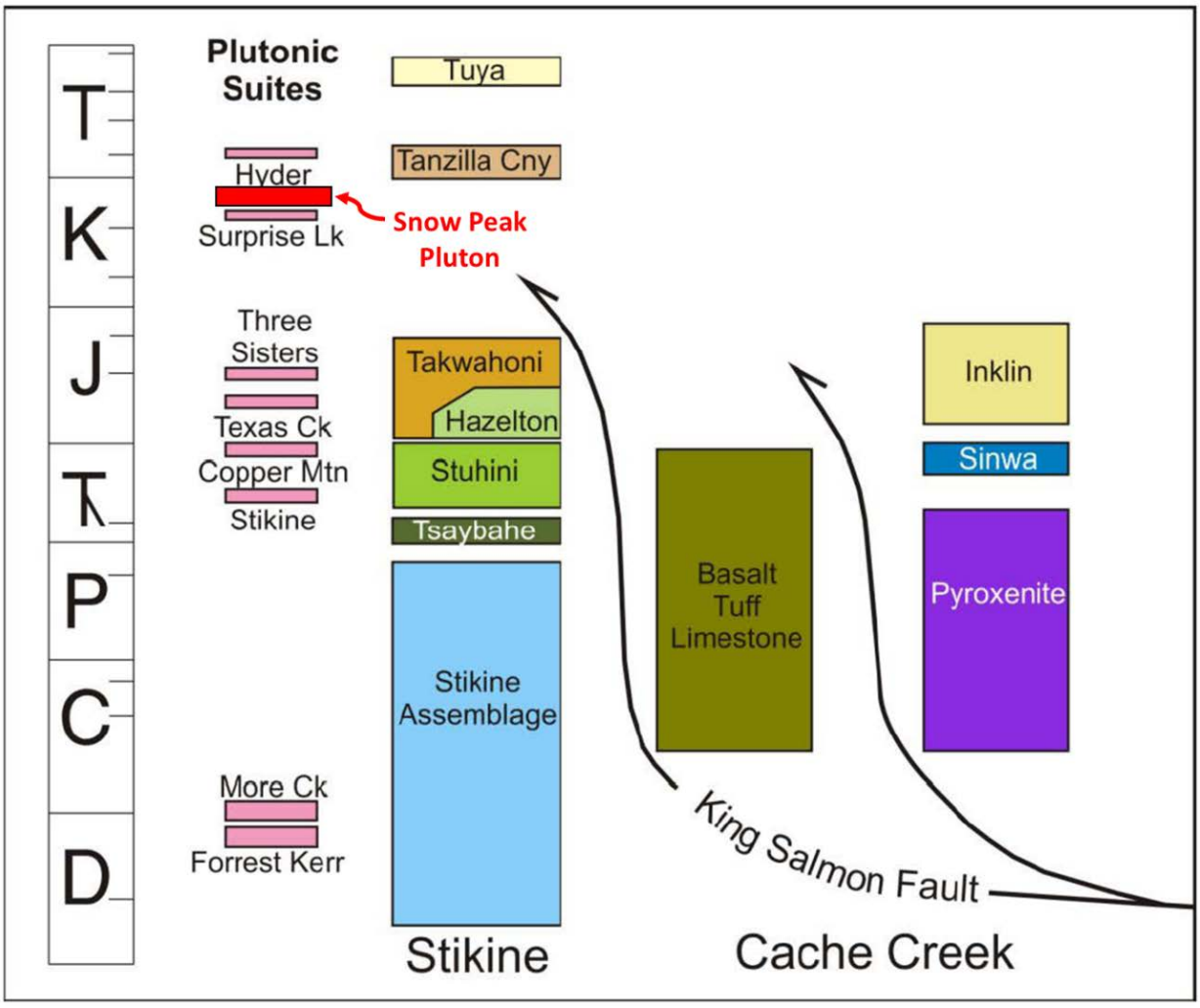


Figure 4. Schematic Stratigraphic/Plutonic/Structural Relationships. (modified after Logan et al., 2012)

PROPERTY GEOLOGY.

The Snow Peak pluton is a steep sided, equidimensional body, ~12 km² in surface extent that intrudes the Early Jurassic rocks of the Takwahoni Formation at 64.4 ± 0.5 Ma (U-Pb Zircon date, Moynihan and Logan, 2012) in the Late Cretaceous/Palaeocene. The intrusion is a biotite hornblende monzodiorite to granodiorite with equigranular and locally K-feldspar porphyritic textures. Mineralization is developed along west-northwest trending brittle fracture planes in the central part of the pluton.

Mineralization

There are two metallic mineral occurrences within and around the Mack Project claim boundaries:

1. The main target is Mack (MINFILE 104J 014) a porphyry Mo-Au-W prospect located within the Snow Peak pluton.
2. A poly metallic Ag – Pb – Zn ± Au quartz vein showing (Mac; MINFILE 104J 064), associated with dikes cutting Takwahoni sedimentary rocks west of the Mack Project area.

Mack is a Mo ± Au + W prospect located in the southern part of the Snow Peak intrusion, near the headwaters of Sixteen Mile Creek. It comprises coarse-grained molybdenite and pyrite crystals, which are disseminated along steeply dipping, west-northwest trending fractures, and/or in narrow quartz veins. These rust-stained fractures are spaced at intervals of ~ 10-50 cm in a zone that extends for around 1 km (Moynihan and Logan, 2012).

PURPOSE.

The purpose of the project was to review historical data, and generate target areas for ground followup during the summer 2018 field season.

DATA PROCESSING & INVERSION.

Datasets

The historic geophysical datasets were obtained from the BC Ministry of Energy and Mines – Assessment Report Indexing System – ARIS and the Geoscience BC website.

The induced polarization data was obtained by the digitization of the raw pseudo sections in the ARIS report number 6354.

The magnetic data was obtained from the Quest-Northwest project, Block 1. Geoscience BC Report 2012-3.

Airborne Magnetic Processing and Inversion

The 2012 airborne magnetic data was downloaded as an Oasis Montaj GDB file. A brief QC exercise was then carried out over the dataset prior to reprocessing. The data was windowed to a 10 km x 9 km area – an area large enough to cover the magnetic feature that is believed to be associated with mineralization on the Mack Claim.

The airborne magnetic survey was flown on east-west orientated lines utilizing a nominal line spacing of some 250 metres with orthogonal tie lines at 2500 metre spacing. The reader is referred to the Geoscience BC Report 2012-2 for detailed information regarding survey parameters.

The magnetic data was then re-gridded utilizing a minimum curvature gridding algorithm with a 40 meter cell size. 2D Filtering was then applied to the resulting grid – Analytic Signal, Tilt Derivative, 1st and 2nd Vertical Derivative, and Gaussian Residual.

3D inversions were then undertaken on some 110 line kilometers utilizing a 100 meter mesh, utilizing Geosoft's Voxi along with UBC-GIF Mag3DInv, with only the former presented in this report.

DATA PROCESSING & INVERSION con't.

Induced Polarization Processing and Inversion

The 1976 induced polarization survey data was first digitized into a Geosoft compatible format from pdf pseudo sections within the ARIS report.

Digital pseudo sections were then regenerated from the newly imported data for comparison and QC checks.

As exact line locations were not available a two point transformation was created to best fit the local grid coordinates to UTM coordinates. Elevations for the electrode stations were then extracted a digital terrain model.

The induced polarization data along with respective elevation data were subsequently exported to text files suitable for import into two-dimensional and three-dimensional inversion software.

Two dimensional smooth model inversion of the resistivity and chargeability was carried out using the Geotomo RES2DINV Algorithm, an algorithm developed by Loke et al. This algorithm uses a 2-D finite element method and incorporates topography in modelling resistivity and I.P. data. Nearly uniform starting models are generated by running broad moving-average filters over the respective lines of data. Model resistivity and chargeability properties are then adjusted iteratively until the calculated data values match the observed as closely as possible, given constraints which keep the model section smooth. The smooth chargeability and resistivity models were then imported into Geosoft format for presentation at the same scale of 1:10,000 on the topographic profile.

Three dimensional smooth model inversions of the DC resistivity and chargeability were then carried out using the Geotomo RES3DINV Algorithm, and algorithm developed by Loke et-al. This algorithm uses a 3-D finite element method and incorporates topography in modeling resistivity and I.P. data.

DATA PROCESSING & INVERSION con't.

Visualization and Presentation

The I.P. data are presented as individual pseudo section plots of Percent Frequency Effect and resistivity at a scale of 1:5,000. Plots of the 21 point moving filter – illustrated on the pseudo section – for the above are also displayed in the top window to better show the location of the anomalous zones.

The inverted I.P. data are presented as individual section plots of modelled Percent Frequency Effect and resistivity also at a scale of 1:5,000.

The 3D modelled Resistivity data are presented as depth slices at 50 metre spaced depths from topography at a scale of 1:5,000.

The magnetic data are presented as plan maps of the TMI, the first vertical derivative and various depth slices at 100 + metre intervals below surface at a scale of 1: 20,000.

DISCUSSION OF RESULTS.

The 2017 geophysical review conducted over the Snow Peak Project – Mack Claim involved reprocessing and inversion of two geophysical datasets – 1976 Induced Polarization data and 2012 Geoscience BC airborne magnetics data.

The historical *Frequency Domain* IP survey was conducted in a Dipole – Dipole configuration utilizing a dipole spacing of 300 feet. The data set covers only a small area roughly at the centre of the claim – total coverage is roughly 700 metres by 1,600 metres. A total of five lines were nominally spaced at 400 feet and 800 feet. All of the lines were located were within the magnetic low. The depth of penetration of the survey was likely less than 200 metres.

Challenges were encountered with the modelling of the IP and Resistivity data.. The resistivity models (2D and 3D) are reasonably consistent while the chargeability (PFE) results were inconsistent - likely due to the weaker chargeability contrast. Despite this, a deeper chargeability feature appears to be at depth proximal to an elevated resistivity response on several lines.

Results of the airborne magnetic survey show a large magnetic high covering most of the Mack claim. (Figure 5).This magnetic high is presumably the expression of the Snow Peak Pluton. The magnetic high is donut shaped with lower mag susceptibilities within the outer ring. Localized variation within the magnetic highs are highlighted by the *first vertical derivative* (Figure 6.)

A 3D magnetic inversion (Magnetization Vector Inversion) - MVI was run and results of the inversion re-affirm the donut shaped structure seen in the *first vertical derivative*.

The lower susceptibility core of the magnetic anomaly may be due to magnetite depletion and intense alteration. Localized weaker magnetic anomalies show that the core of the magnetic feature is not magnetically homogenous. A general south-west to north-east trend with several perpendicular cross cutting features is discernible.

DISCUSSION OF RESULTS con't.

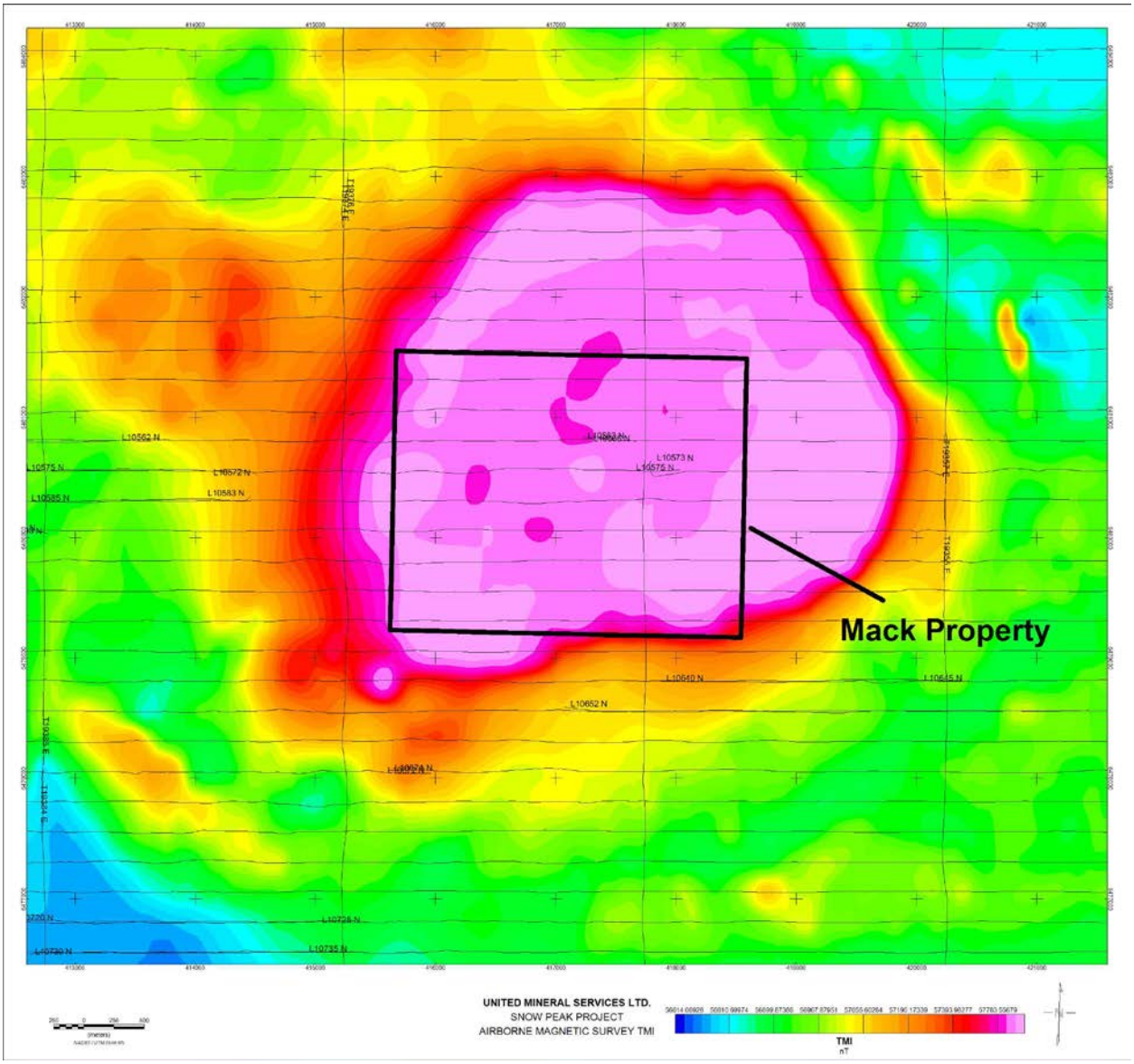


Figure 5. Airborne Magnetic Survey: Total Magnetic Intensity.

DISCUSSION OF RESULTS con't.

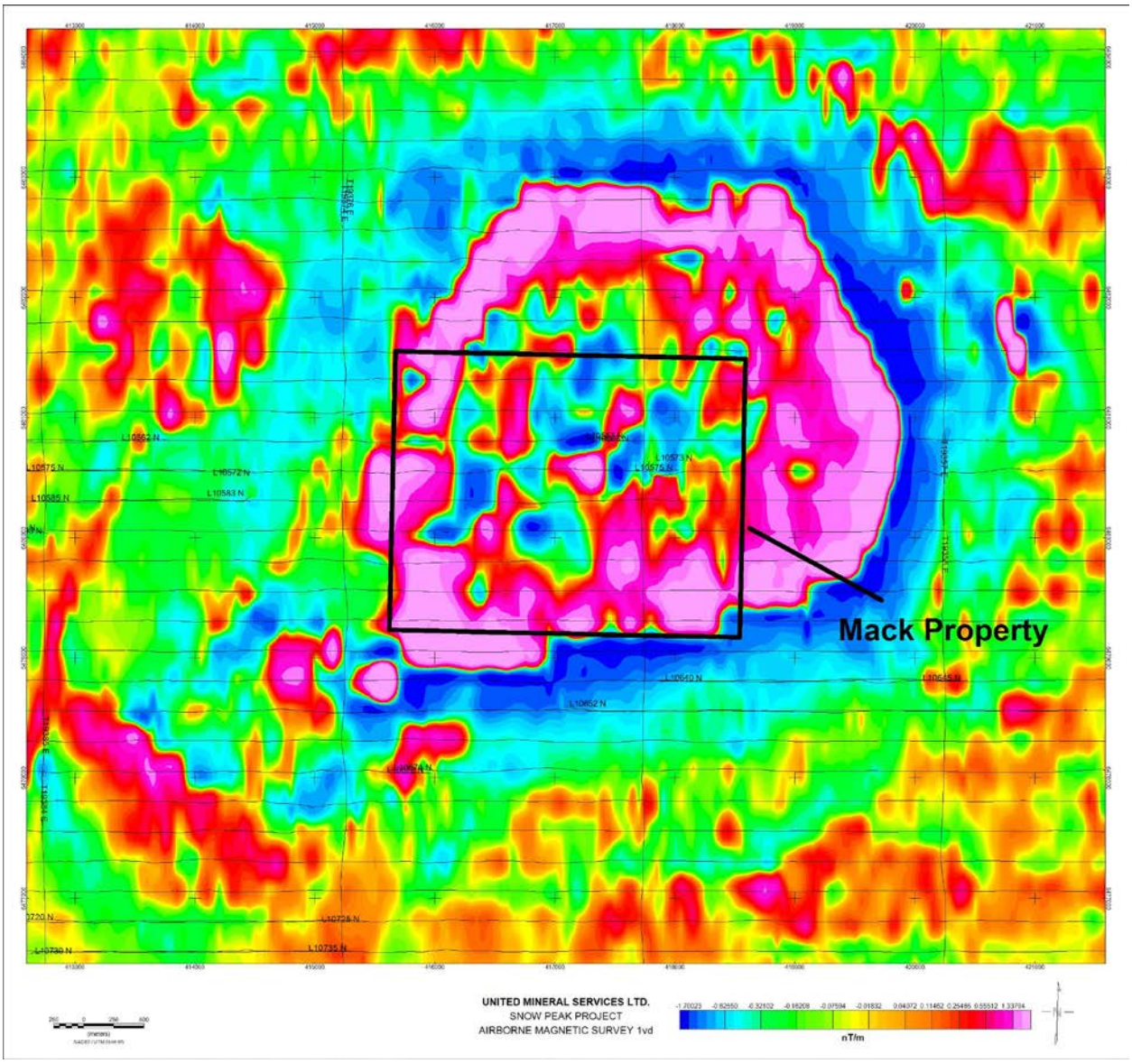


Figure 6. Airborne Magnetic Survey: First Vertical Derivative.

DISCUSSION OF RESULTS con't.

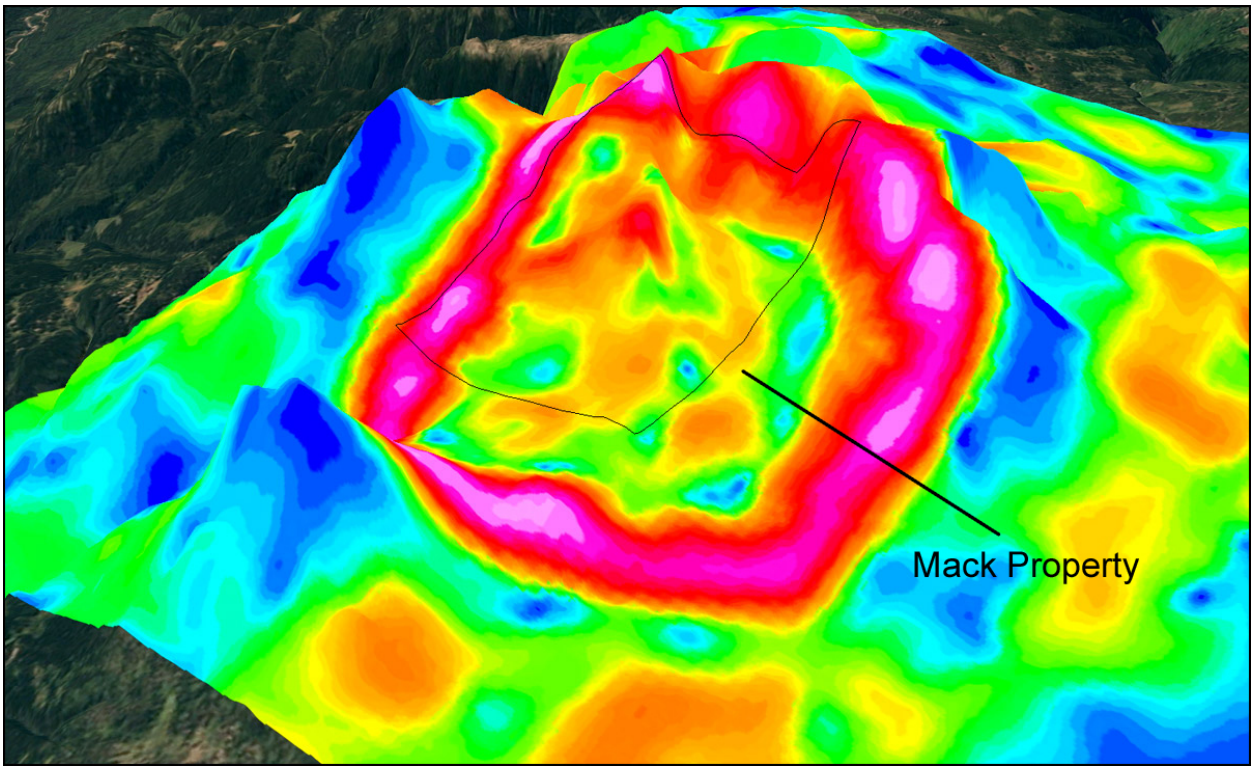


Figure 7. MVI model at depth 300 metres draped over topography (Vertical exaggeration 3:1)

Figure 7. is a depth slice of the MVI model at 300 metres draped over topography (3:1 vertical exaggeration). It is interesting to note that the modelled magnetic high partially follows the topographic highs – these topographic highs appear to be coincident with zones where the magnetic ring is seen to be more extensive.

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS.

Between October 29th and November 3rd, 2017, Peter E. Walcott & Associates undertook inversion of historic geophysical data over United Mineral Services Ltd.'s Mack claim, located west of Dease Lake, in north-western British Columbia.

The project consisted of 2D/3D inversions of historic IP data and 3D inversion of Geoscience BC airborne magnetic data,

Although the historical IP coverage is scant with limited survey penetration and location control the IP survey did outline some features of potential interest.

A high resistivity feature is seen wrapping around a low resistivity feature in the centre of the grid. This feature is associated with a chargeability feature on both its northern, and southern flank and a NW SW trend can be discerned from the resistivity data

Processing and inversion of the airborne magnetic data shows a donut like magnetic body containing lower susceptibility values within the magnetic outer ring. As the inside of the magnetic feature may be associated with alteration and mineralization possibly at depth a deep penetrating IP survey is recommended. This survey should extend beyond the edges of the magnetic anomaly to cover the zone of interest.

Historic geochemical along with any other geological information should also be digitized to aid design of any ground program.

Respectfully submitted,

PETER E. WALCOTT & ASSOCIATES LIMITED

Marek Welz, M.Sc.
Geophysicist

Peter E. Walcott, P.Eng
Geophysicist

APPENDIX I

COST STATEMENT.

Peter E. Walcott & Associates Limited undertook the compilation for the following rates.

Description of Work	Units	Rate	Total
Digitization and 2D/3D Modelling of Historic Induced Polarization	5	$225.00	$1,125.00
3D Magnetic Inversion (Susc & MVI)	2	$875.00	$1,750.00
Compilation	1	$500.00	$500.00
Reporting	1	$750.00	$750.00
			$4,125.00

PERSONNEL EMPLOYED ON SURVEY.

Name	*Occupation*	*Address*	*Dates*
Peter E. Walcott	***Geophysicist***	111-17 Fawcett Rd. Coquitlam, B.C. V3K 6V2	
Marek Welz	"	"	
Alexander Walcott	"		October 29th-November 3rd, 2017

CERTIFICATION.

I, Peter E. Walcott of 605 Rutland Court, Coquitlam, British Columbia, hereby certify that:

1. I am a graduate of the University of Toronto in 1962 with a B.A.Sc. in Engineering Physics, Geophysics Option.

2. I have been practicing my profession for the last fifty four years.

3. I am a member of the Association of Professional Engineers of British Columbia and Ontario.

4. I hold no interest, direct or indirect in United Mineral Services, nor do I expect to receive any.

Peter E. Walcott, P.Eng

Vancouver, B.C.
January 2018

CERTIFICATION.

I, Marek Welz of 1605 West 14th Ave, Vancouver, British Columbia, hereby certify that:

1. I am a graduate of the University of Alberta in 2006 with a M.Sc. in Geophysics.

5. I have been practicing my profession for the last twenty five years.

6. I hold no interest, direct or indirect in United Mineral Services, nor do I expect to receive any.

Marek Welz, M.Sc

Coquitlam, B.C.
January 2018

REFERENCES.

Cochrane D. R., Geochemical Report on the Mack Claims, 1971, BC Assessment Report 3,207

Sadler-Brown T. L., A Report on a Geological Survey of the Mack Claims, 1976, BC Assessment Report 6,354

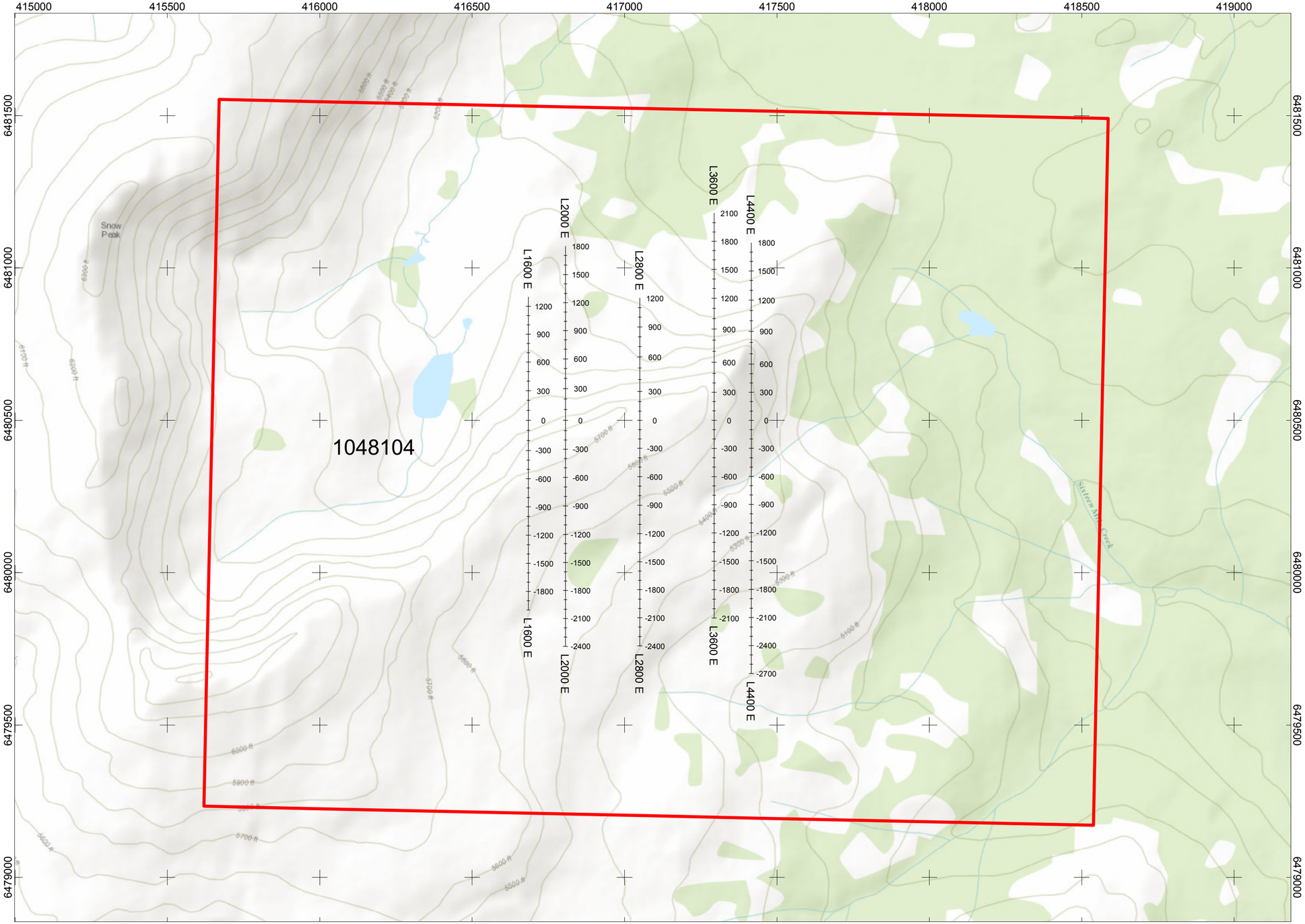
Kern F., A Report on a Work Program on the Mack Claims, 2006, BC Assessment Report 7,657

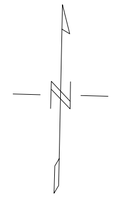
Logan J. M., et al, Dease Lake Geoscience Project, Part 1: Geology and Mineralization of the Dease Lake (NTS 104J/08) and East-Half of the Little Tuya River (NTS 104J/07E) Map Sheets, Northern British Columbia, 2012

Moynihan D.P. and Logan J.M., Dease Lake Geoscience Project, Part III: Age, Emplacement and Mineralization of the Snow Peak Pluton (NTS 104J/08), 2012

Aeroquest, Report on a Helicopter-Borne Magnetic Survey. Aeroquest Job#11-046, Geoscience BC Report 2012-2, 2012

Macleod I.N., Ellis R.G., Magnetic Vector Inversion, a simple approach to the challenge of varying direction of rock magnetization. 2013





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(meters)

NAD83 / UTM zone 9N

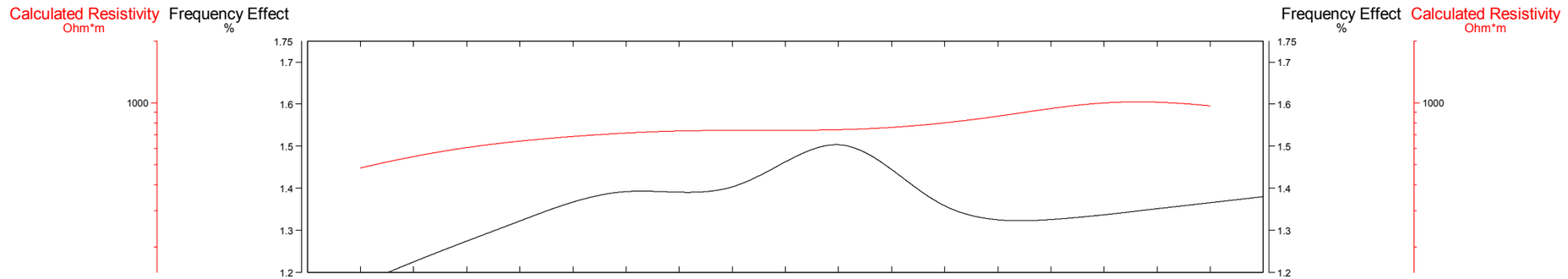
UNITED MINERAL SERVICES LTD.

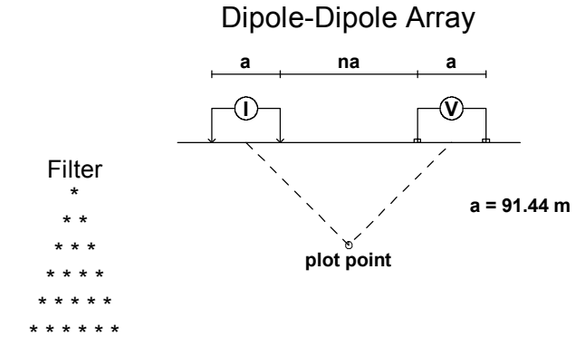
HISTORIC INDUCED POLARIZATION SURVEYING
SNOW PEAK PROJECT
IP LINE LOCATION MAP

JANUARY 2018

PETER E. WALCOTT & ASSOCIATES LIMITED

16+00 E





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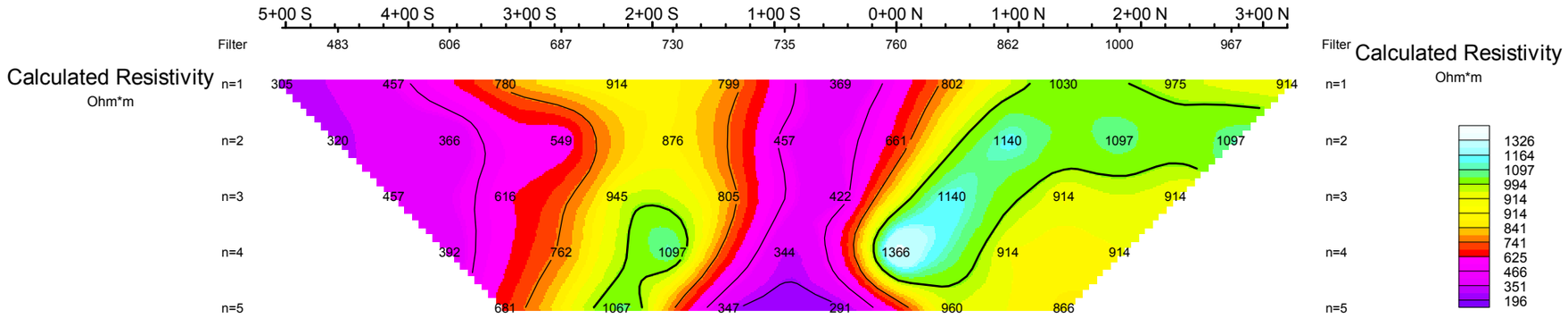

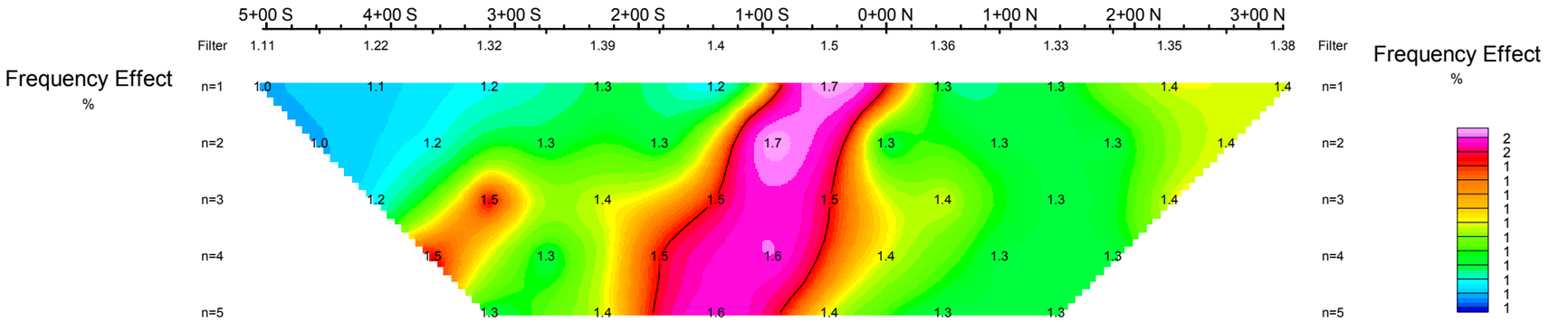

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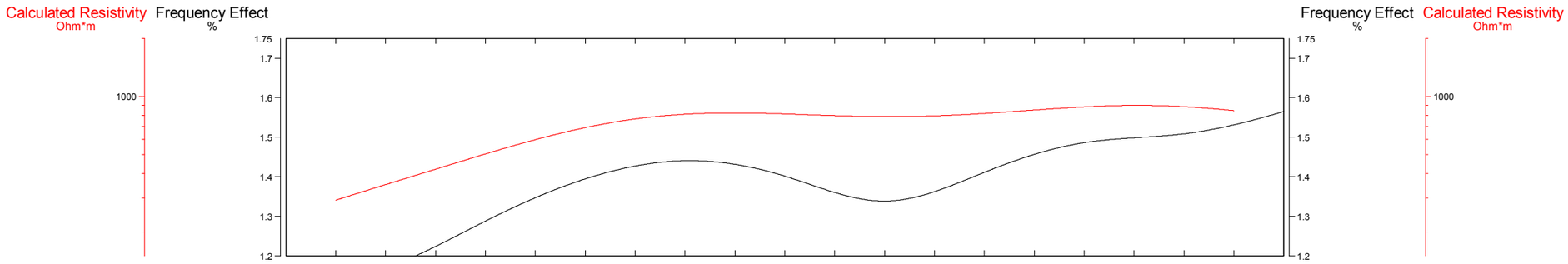
HISTORIC IP DATA
FREQUENCY DOMAIN
Collected Summer 1976

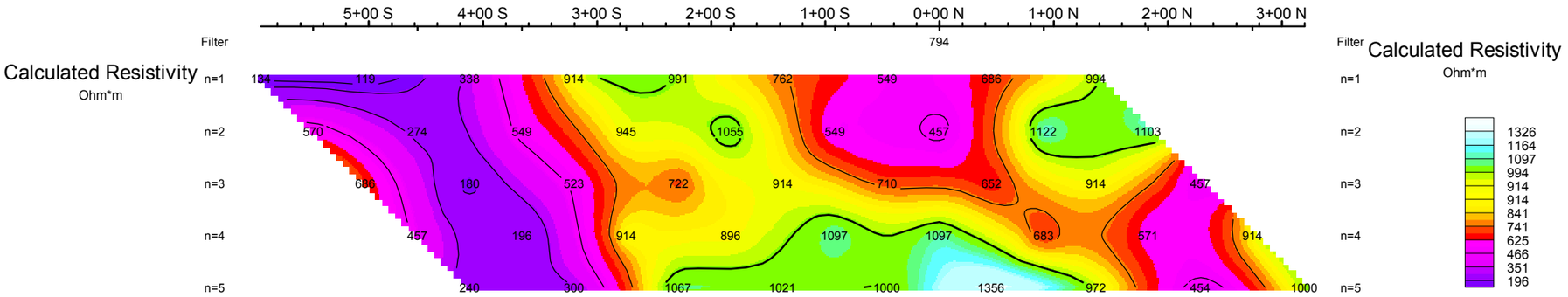
UNITED MINERAL SERVICES LTD.
SNOW PEAK PROJECT

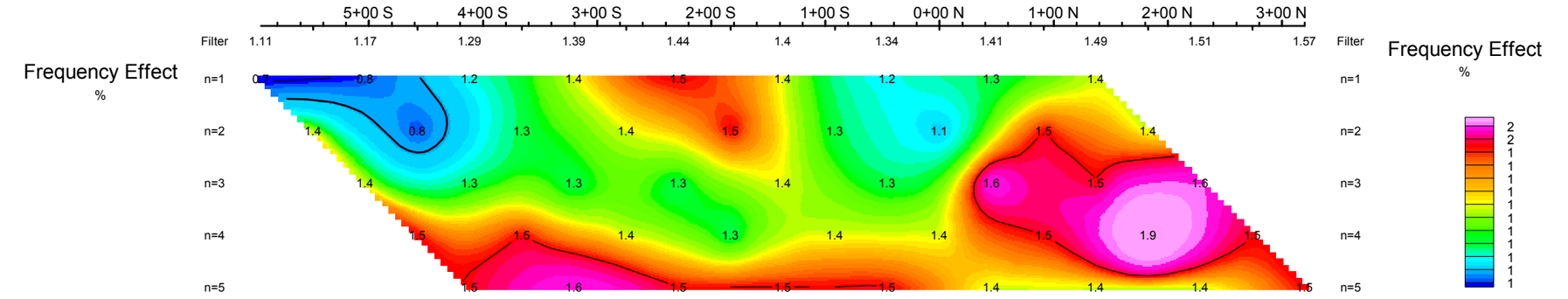
INDUCED POLARIZATION SURVEY

Date: JANUARY 2018
Interpretation:

PETER E. WALCOTT & ASSOCIATES LIMITED







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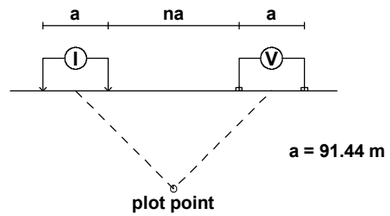
Dipole-Dipole Array



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HISTORIC IP DATA
FREQUENCY DOMAIN
Collected Summer 1976

Scale 1:5000

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(meters)

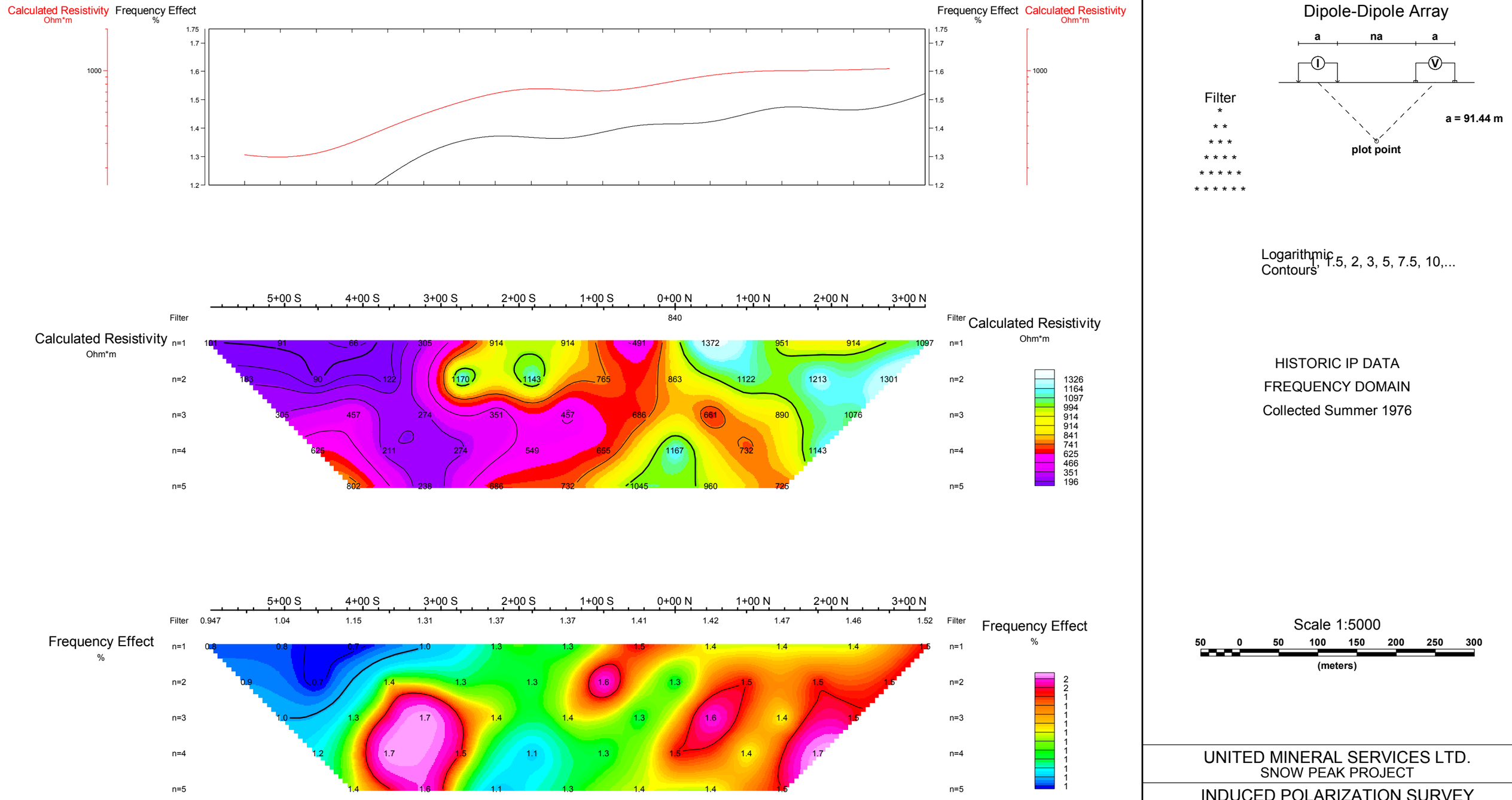
UNITED MINERAL SERVICES LTD.
SNOW PEAK PROJECT

INDUCED POLARIZATION SURVEY

Date: JANUARY 2018
Interpretation:

PETER E. WALCOTT & ASSOCIATES LIMITED

28+00 E



Dipole-Dipole Array

Filter

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

HISTORIC IP DATA

FREQUENCY DOMAIN

Collected Summer 1976

Scale 1:5000

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(meters)

UNITED MINERAL SERVICES LTD.

SNOW PEAK PROJECT

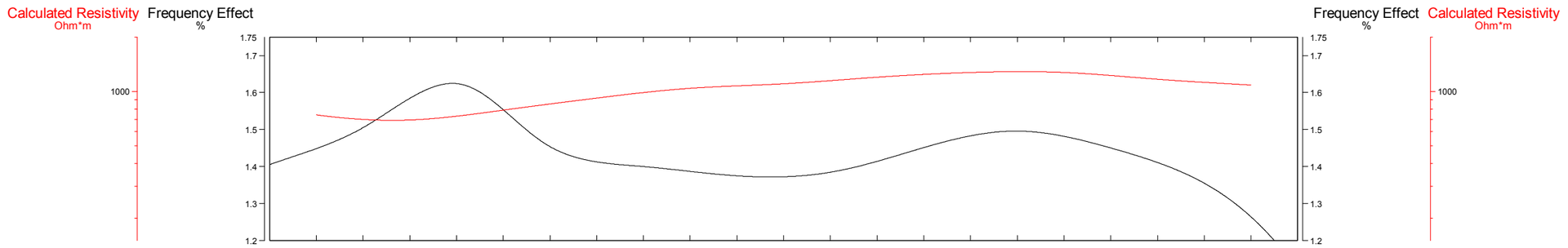
INDUCED POLARIZATION SURVEY

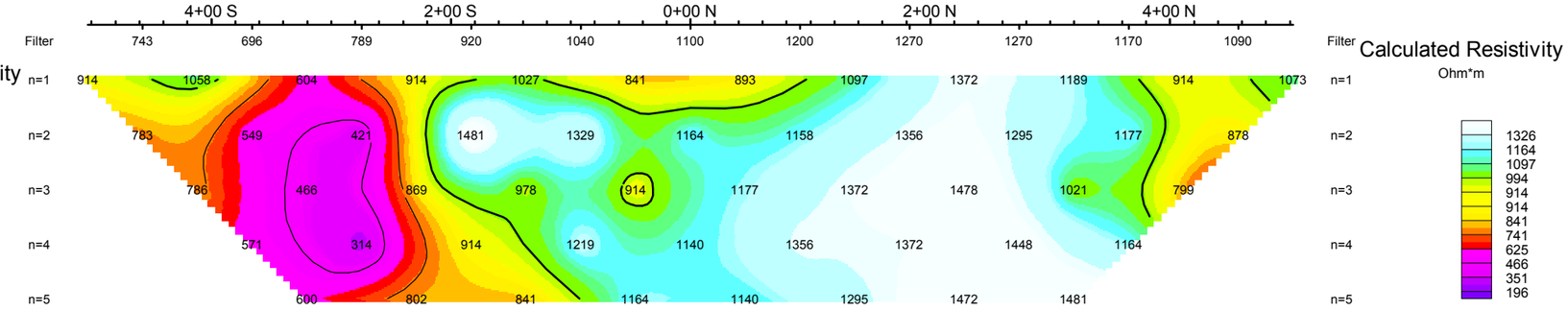
Date: JANUARY 2018

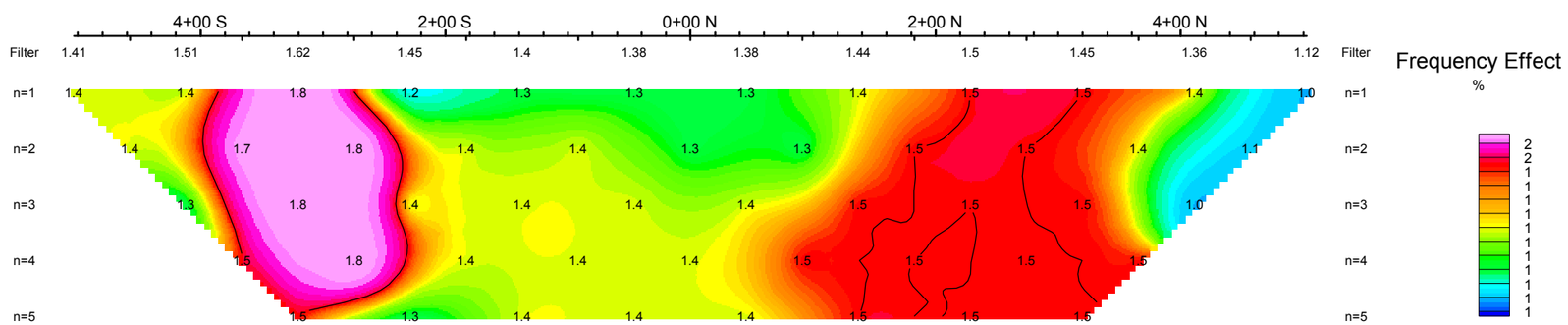
Interpretation:

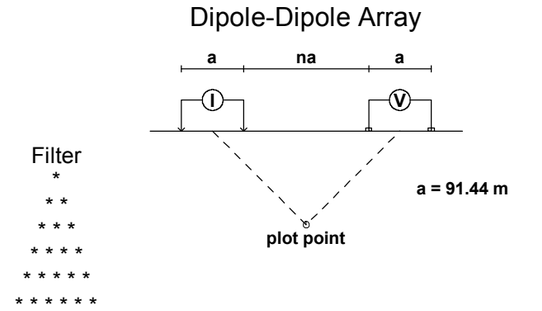
PETER E. WALCOTT & ASSOCIATES LIMITED

36+00 E









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

HISTORIC IP DATA

FREQUENCY DOMAIN

Collected Summer 1976

Scale 1:5000

50 0 50 100 150 200 250 300

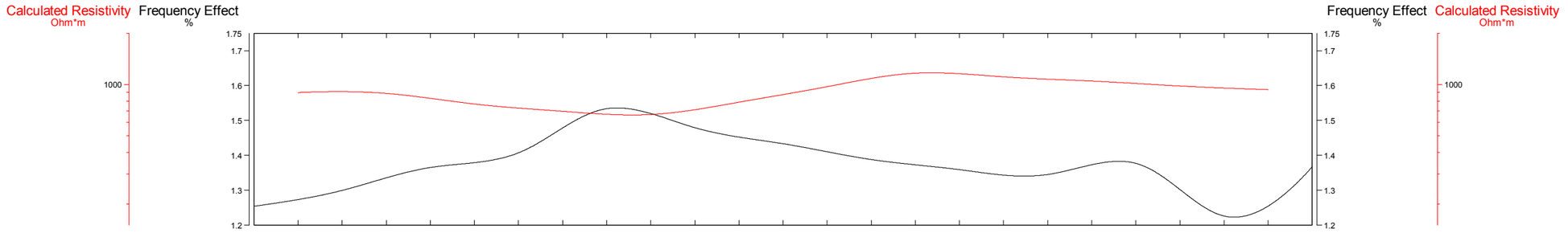
(meters)

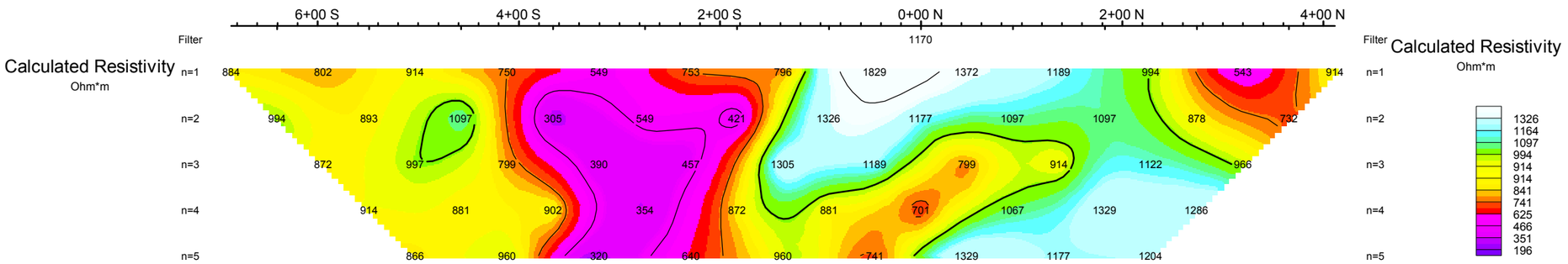
UNITED MINERAL SERVICES LTD.
SNOW PEAK PROJECT

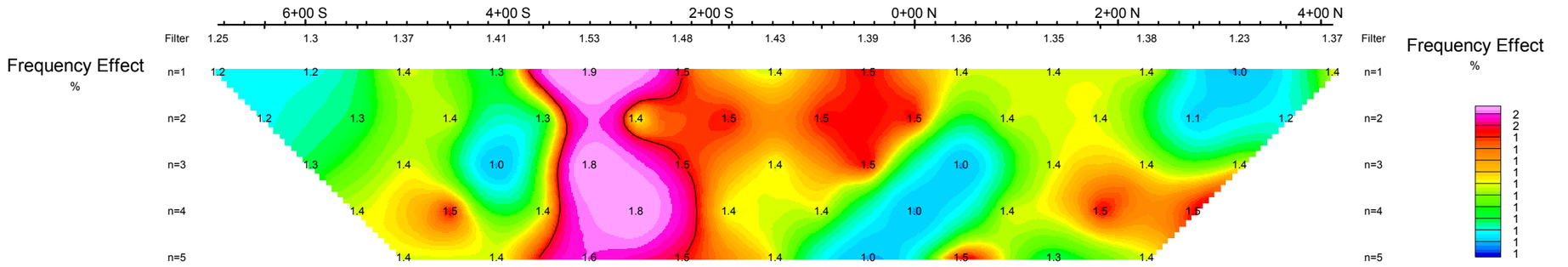
INDUCED POLARIZATION SURVEY

Date: JANUARY 2018
Interpretation:

PETER E. WALCOTT & ASSOCIATES LIMITED

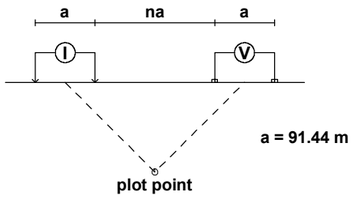






44+00 E

Dipole-Dipole Array



Filter

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

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

HISTORIC IP DATA
FREQUENCY DOMAIN
Collected Summer 1976

Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

UNITED MINERAL SERVICES LTD.
SNOW PEAK PROJECT

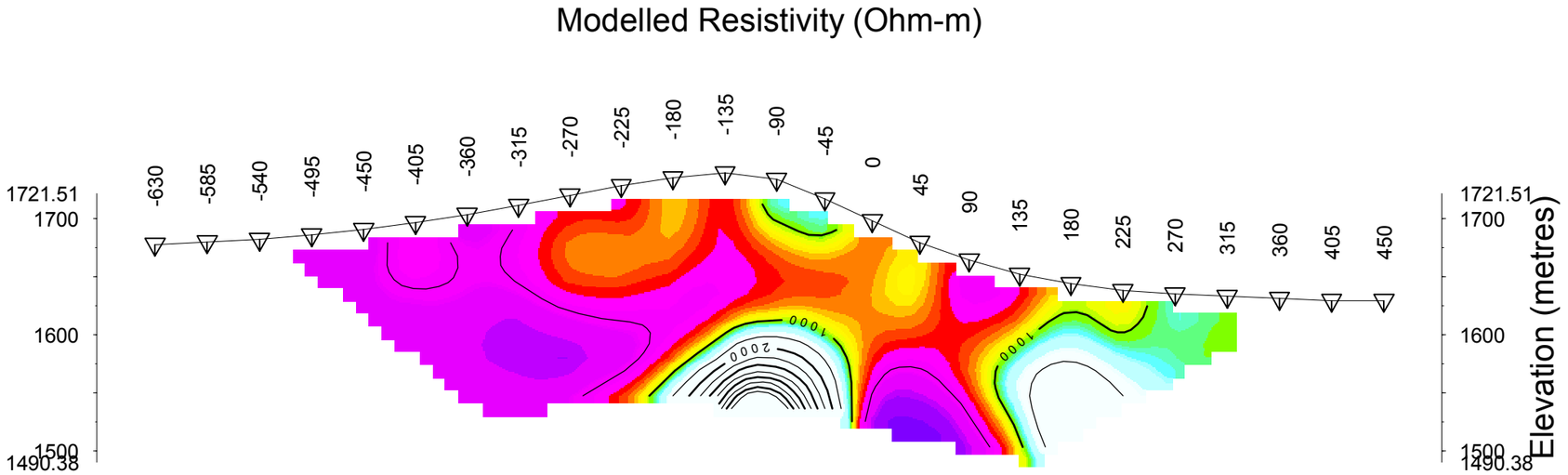
INDUCED POLARIZATION SURVEY

Date: JANUARY 2018
Interpretation:

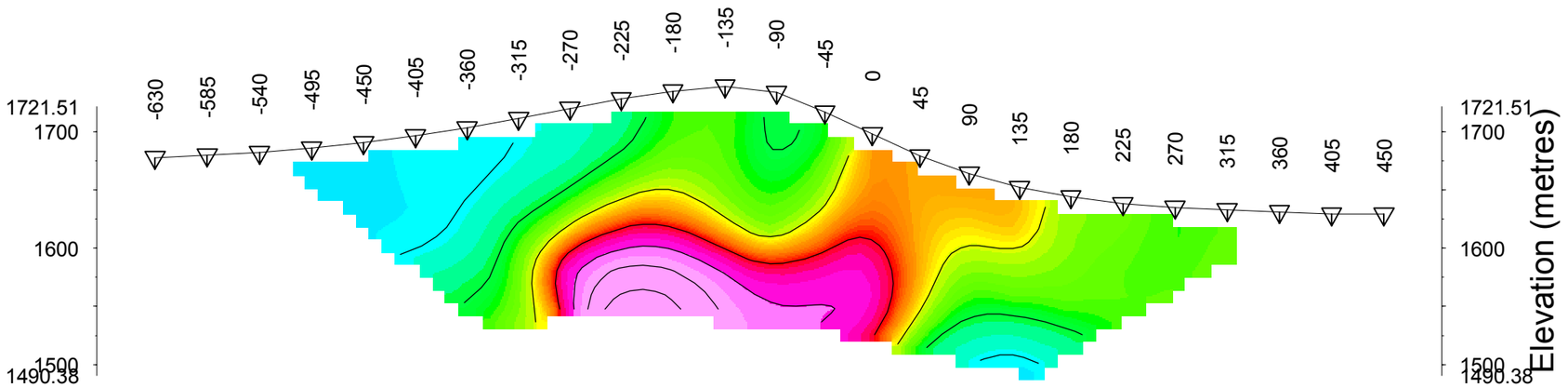
PETER E. WALCOTT & ASSOCIATES LIMITED

1600E

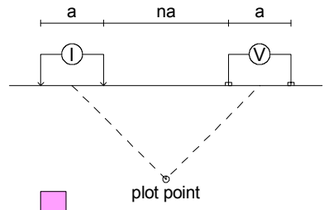
Modelled Resistivity (Ohm-m)

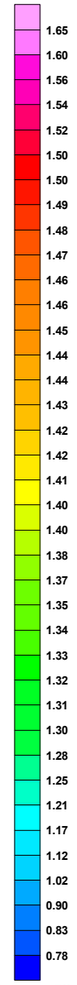


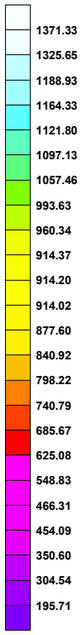
Modelled Chargeability (mV/V)



Dipole-Dipole Array







Scale 1:5000

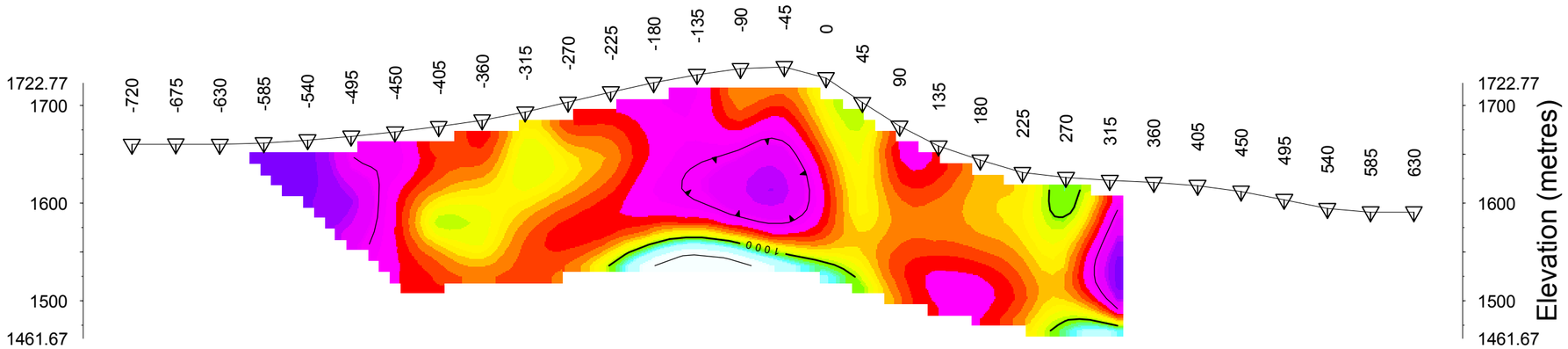
50 0 50 100 150 200 250 300 350

(meters)

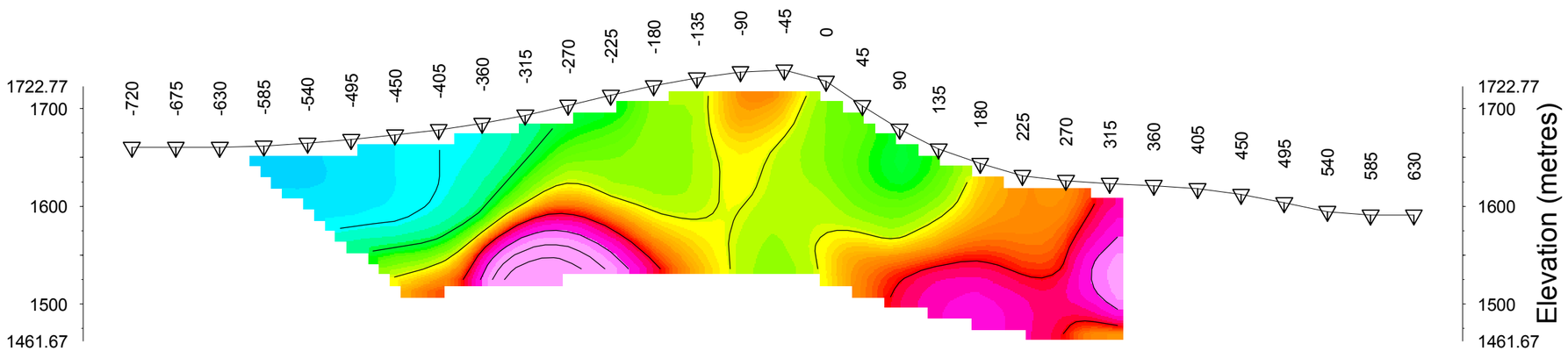
UNITED MINERAL SERVICES LTD.
INDUCED POLARIZATION SURVEY SNOW PEAK PROJECT
JANUARY 2018 RES2DINV:
Inversion By: PETER E. WALCOTT & ASSOCIATES LIMITED

2000E

Modelled Resistivity (Ohm-m)

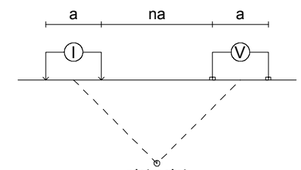


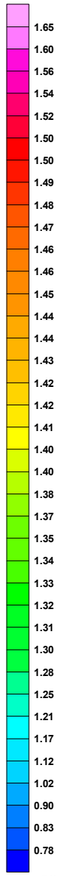
Modelled Chargeability (mV/V)

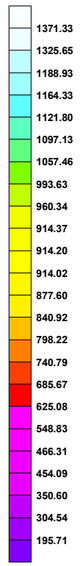


Elevation (metres)

Dipole-Dipole Array







Scale 1:5000

100 0 100 200 300

(meters)

UNITED MINERAL SERVICES LTD.

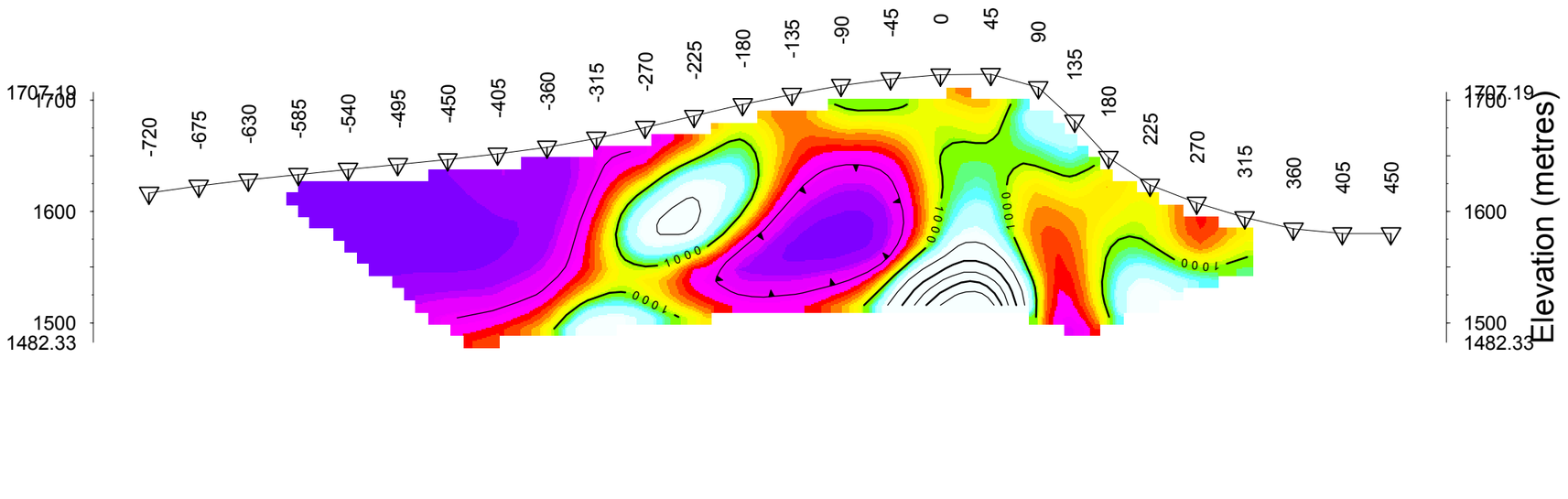
INDUCED POLARIZATION SURVEY
SNOW PEAK PROJECT

JANUARY 2018
RES2DINV:

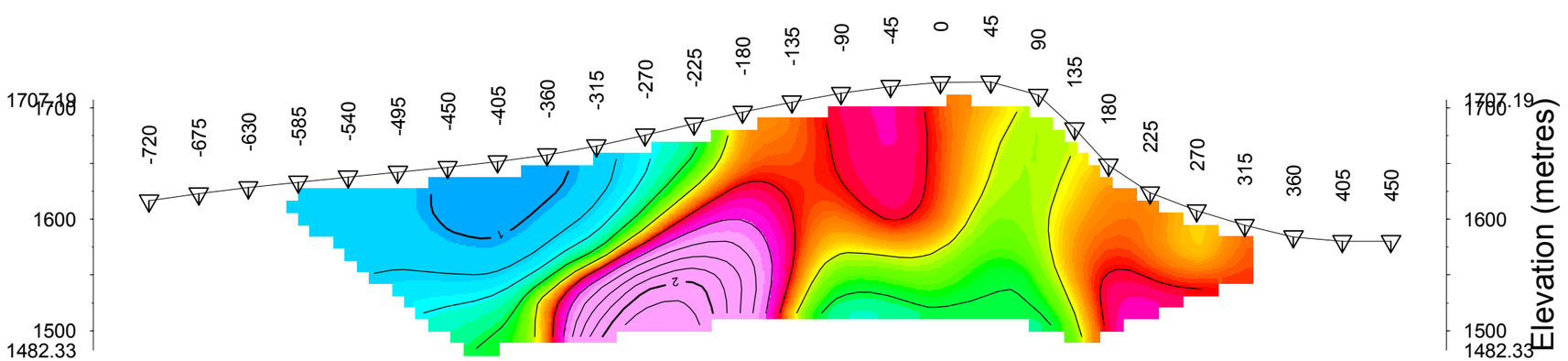
Inversion By: PETER E. WALCOTT & ASSOCIATES LIMITED

2800E

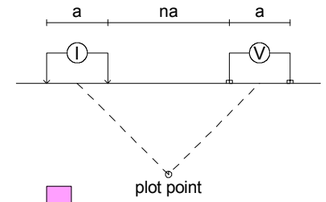
Modelled Resistivity (Ohm-m)

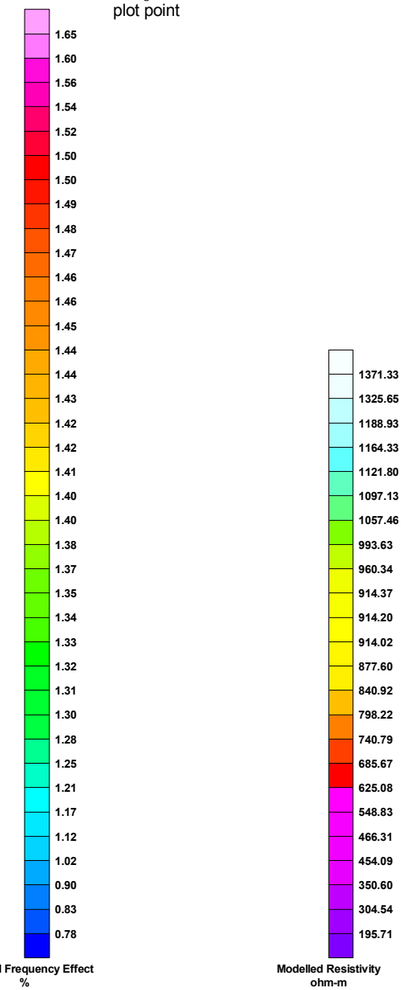


Modelled Chargeability (mV/V)



Dipole-Dipole Array





Scale 1:5000

50 0 50 100 150 200 250 300 350

(meters)

UNITED MINERAL SERVICES LTD.

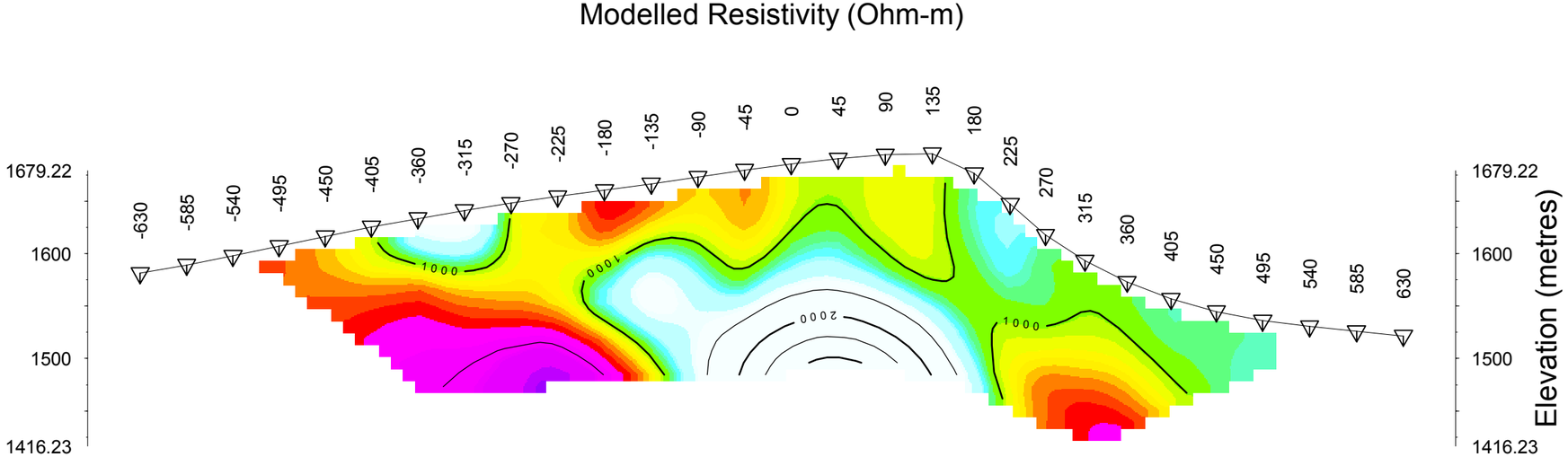
INDUCED POLARIZATION SURVEY
SNOW PEAK PROJECT

JANUARY 2018
RES2DINV:

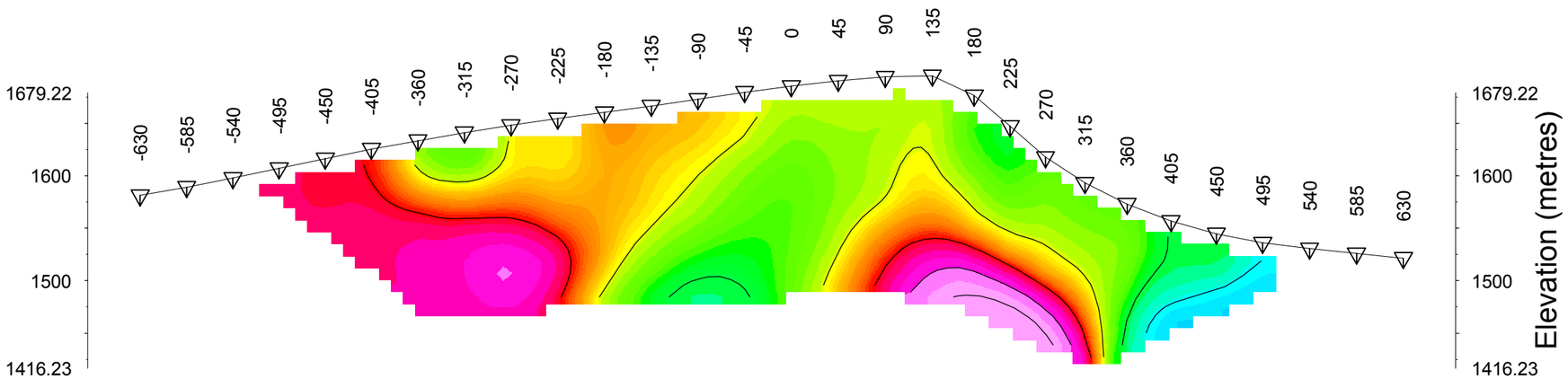
Inversion By: PETER E. WALCOTT & ASSOCIATES LIMITED

3600E

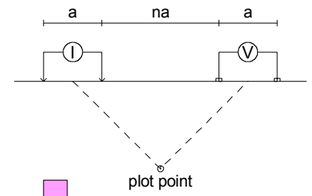
Modelled Resistivity (Ohm-m)

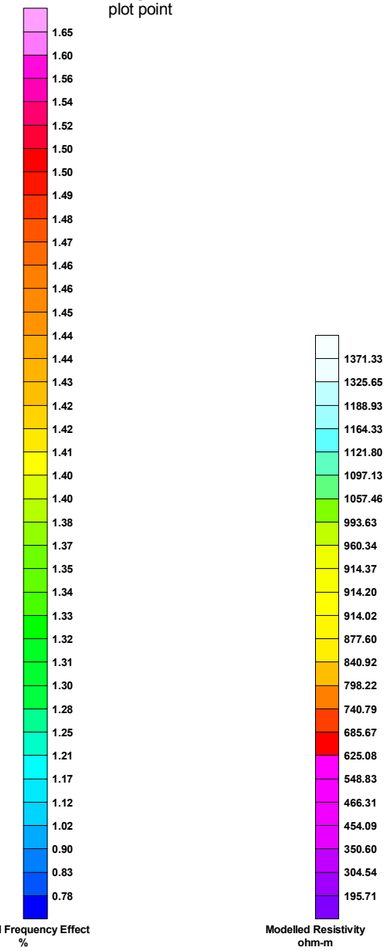


Modelled Chargeability (mV/V)



Dipole-Dipole Array





Scale 1:5000

50 0 50 100 150 200 250 300 350

(meters)

UNITED MINERAL SERVICES LTD.

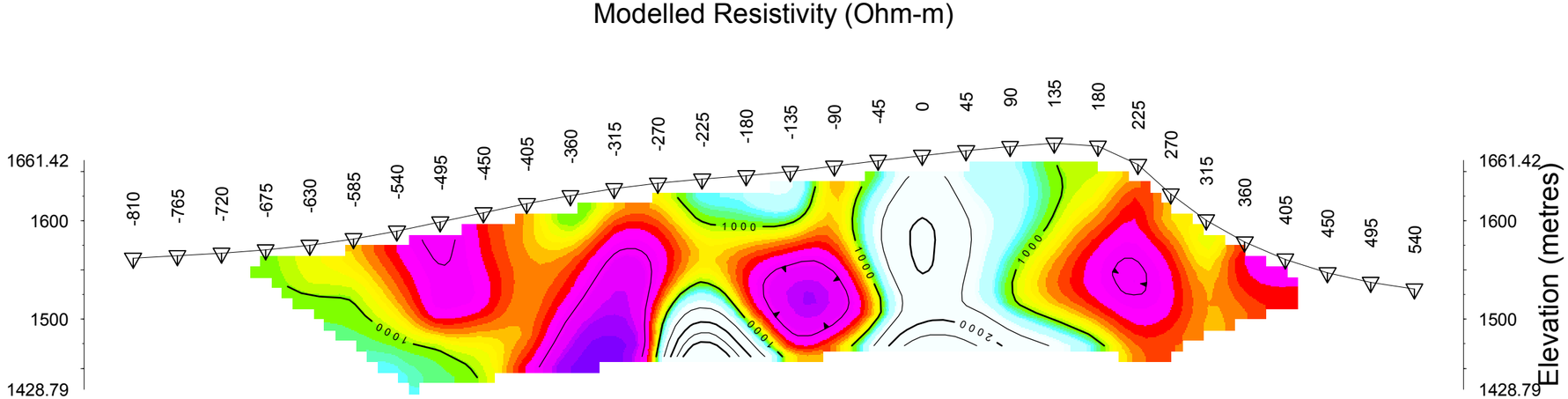
INDUCED POLARIZATION SURVEY
SNOW PEAK PROJECT

JANUARY 2018
RES2DINV:

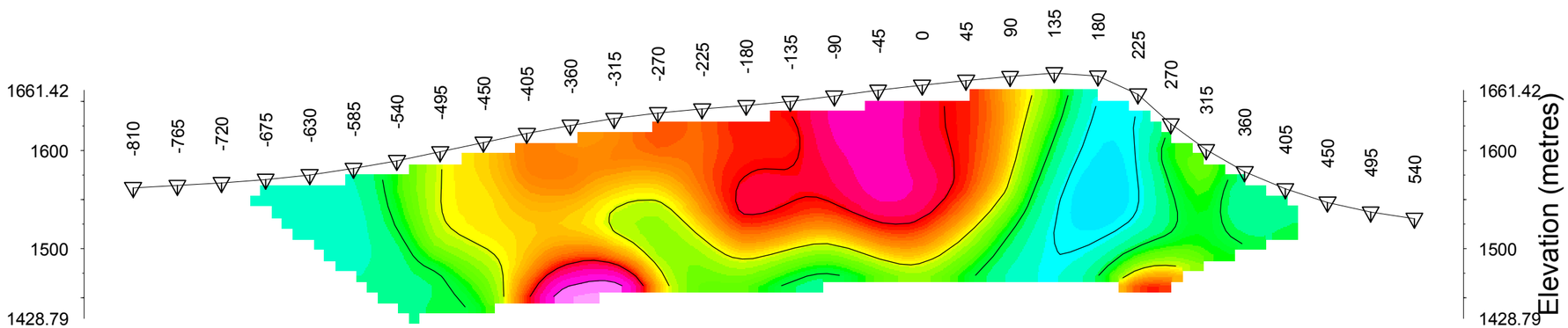
Inversion By: PETER E. WALCOTT & ASSOCIATES LIMITED

4400E

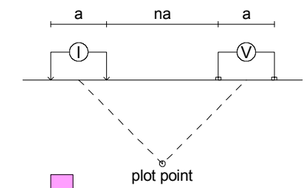
Modelled Resistivity (Ohm-m)

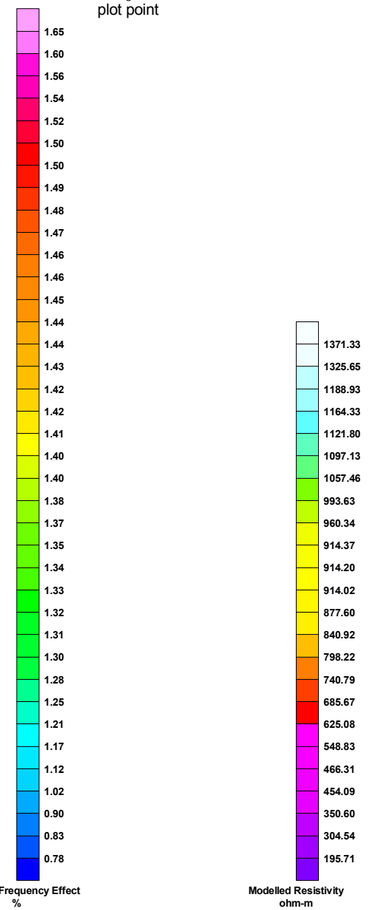


Modelled Chargeability (mV/V)

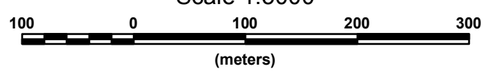


Dipole-Dipole Array





Scale 1:5000



UNITED MINERAL SERVICES LTD.

INDUCED POLARIZATION SURVEY
SNOW PEAK PROJECT

JANUARY 2018
RES2DINV:

Inversion By: PETER E. WALCOTT & ASSOCIATES LIMITED

416500 416750 417000 417250 417500

6481250 6481000 6480750 6480500 6480250 6480000 6479750 6479500

L1600 E L2000 E L2800 E L3600 E L4400 E

2100 1800 1500 1200 900 600 300 0 -300 -600 -900 -1200 -1500 -1800 -2100 -2400 -2700

1000 500

1371
1326
1189
1164
1122
1097
1057
994
960
914
914
914
878
841
798
741
686
625
549
466
454
351
305
196

Resistivity
Ohm*m

Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

NAD83 / UTM zone 9N

UNITED MINERAL SERVICES LTD.

INDUCED POLARIZATION SURVEY
CONTOURS OF MODELLED RESISTIVITY
DEPTH 25m

SNOW PEAK PROJECT
JANUARY 2018

PETER E. WALCOTT & ASSOCIATES LIMITED

416500 416750 417000 417250 417500

6481250 6481000 6480750 6480500 6480250 6480000 6479750 6479500

L1600 E L2000 E L2800 E L3600 E L4400 E

1371
1326
1189
1164
1122
1097
1057
994
960
914
914
914
878
841
798
741
686
625
549
466
454
351
305
196

Resistivity
Ohm*m

Scale 1:5000

50 0 50 100 150 200 250 300
(meters)

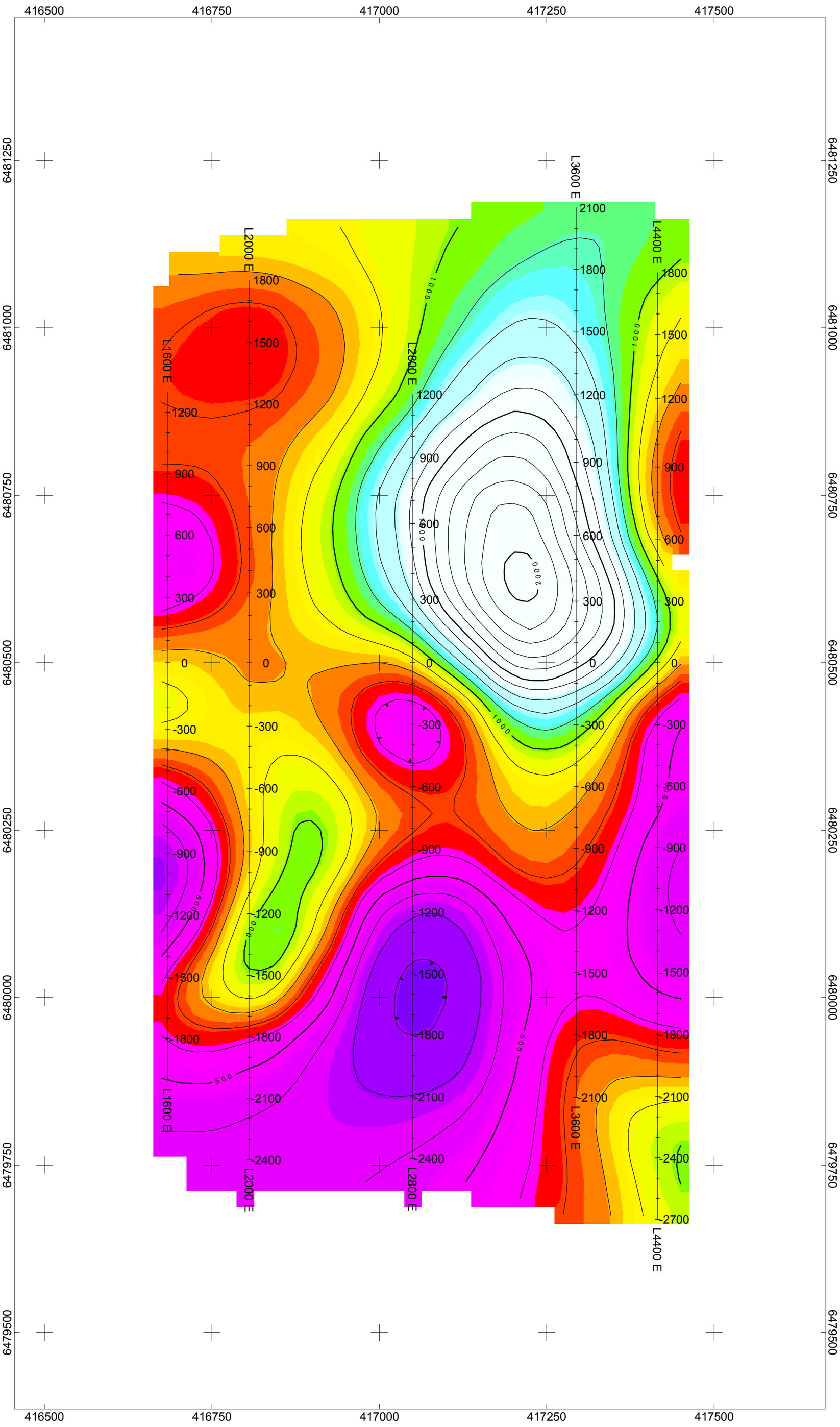
NAD83 / UTM zone 9N

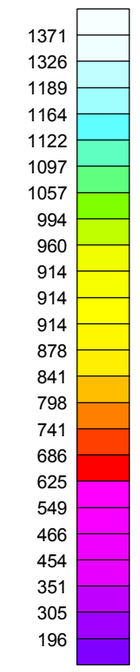
UNITED MINERAL SERVICES LTD.

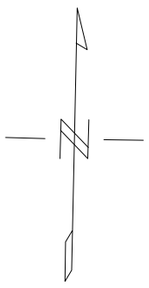
INDUCED POLARIZATION SURVEY
CONTOURS OF MODELLED RESISTIVITY
DEPTH 75m

SNOW PEAK PROJECT
JANUARY 2018

PETER E. WALCOTT & ASSOCIATES LIMITED







Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

NAD83 / UTM zone 9N

UNITED MINERAL SERVICES LTD.

INDUCED POLARIZATION SURVEY
CONTOURS OF MODELLED RESISTIVITY
DEPTH 125m

SNOW PEAK PROJECT
JANUARY 2018

PETER E. WALCOTT & ASSOCIATES LIMITED

413000 414000 415000 416000 417000 418000 419000 420000 421000

6484000 6483000 6482000 6481000 6480000 6479000 6478000 6477000

Dease Forest

T19376 E

T19374 E

Snow Peak

L10562 N

L10575 N

L10572 N

L10583 N

L10585 N

L10563 N

L10573 N

L10575 N

Sixteen Mile Creek

T19357 E

T19355 E

Sixteen Mile Creek

L10640 N

L10645 N

L10652 N

T19385 E

T19384 E

L10671 N

L10672 N

L10725 N

L10730 N

L10735 N

Scale 1:20000

250 0 250 500 750 1000 1250 1500

(meters)

NAD83 / UTM zone 9N

UNITED MINERAL SERVICES LTD.

AIRBORNE MAGNETIC SURVEY
LINE LOCATION MAP

SNOW PEAK PROJECT
JANUARY 2018

PETER E. WALCOTT & ASSOCIATES LIMITED

413000 414000 415000 416000 417000 418000 419000 420000 421000

6484000 6483000 6482000 6481000 6480000 6479000 6478000 6477000

T19374 E

T19375 E

T19357 E

T19355 E

T19385 E

T19384 E

L10562 N

L10575 N

L10572 N

L10583 N

L10585 N

L10573 N

L10575 N

L10640 N

L10645 N

L10652 N

L10725 N

L10730 N

L10735 N

58202
57938
57784
57666
57580
57509
57449
57394
57343
57300
57259
57223
57190
57160
57131
57104
57078
57056
57035
57016
56998
56982
56968
56955
56943
56930
56915
56900
56883
56866
56849
56830
56811
56788
56764
56735
56695
56614

TMI
nT

Scale 1:20000

250 0 250 500 750 1000 1250 1500

(meters)

NAD83 / UTM zone 9N

UNITED MINERAL SERVICES LTD.

AIRBORNE MAGNETIC SURVEY
CONTOURS OF TMI (nT)

SNOW PEAK PROJECT
JANUARY 2018

PETER E. WALCOTT & ASSOCIATES LIMITED

413000 414000 415000 416000 417000 418000 419000 420000 421000

6484000 6483000 6482000 6481000 6480000 6479000 6478000 6477000

T19374 E

T19355 E

T19385 E

T19384 E

L10562 N

L10575 N

L10572 N

L10583 N

L10585 N

L10563 N

L10573 N

L10575 N

L10640 N

L10645 N

L10652 N

L10725 N

L10730 N

L10735 N

2.13	
1.34	
0.97	
0.72	
0.56	
0.43	
0.33	
0.25	
0.20	
0.15	
0.11	
0.08	
0.06	
0.04	
0.02	
0.01	
-0.01	
-0.02	
-0.03	
-0.04	
-0.06	
-0.08	
-0.09	
-0.11	
-0.14	
-0.16	
-0.19	
-0.23	
-0.27	
-0.32	
-0.38	
-0.44	
-0.52	
-0.63	
-0.75	
-0.93	
-1.19	
-1.70	

nT/m

Scale 1:20000

250 0 250 500 750 1000 1250 1500

(meters)

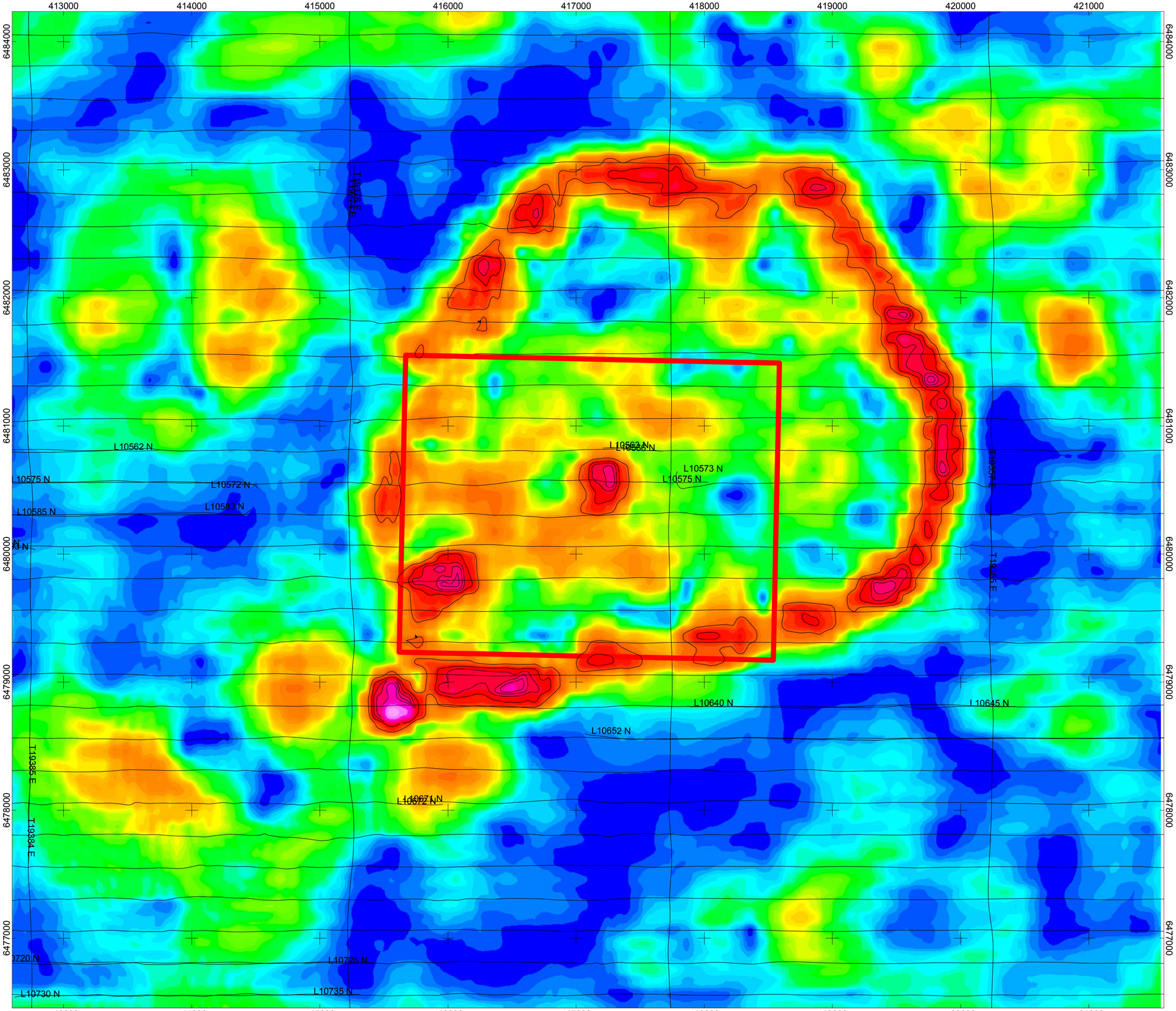
NAD83 / UTM zone 9N

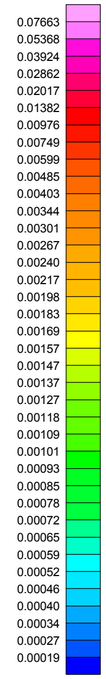
UNITED MINERAL SERVICES LTD.

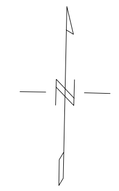
AIRBORNE MAGNETIC SURVEY
CONTOURS OF FiRST VERTICAL DERIVATIVE (nT/m)

SNOW PEAK PROJECT
JANUARY 2018

PETER E. WALCOTT & ASSOCIATES LIMITED







Scale 1:20000

250 0 250 500 750 1000 1250 1500

(meters)

NAD83 / UTM zone 9N

UNITED MINERAL SERVICES LTD.

AIRBORNE MAGNETIC SURVEY
CONTOURS OF MODELLED MVI
DEPTH 100m

SNOW PEAK PROJECT
JANUARY 2018

PETER E. WALCOTT & ASSOCIATES LIMITED

413000 414000 415000 416000 417000 418000 419000 420000 421000

6484000 6483000 6482000 6481000 6480000 6479000 6478000 6477000

T19374 E

T19375 E

T19355 E

T19385 E

T19384 E

L10562 N

L10563 N

L10573 N

L10575 N

L10572 N

L10583 N

L10585 N

L10640 N

L10645 N

L10652 N

L10671 N

L10672 N

L10725 N

L10730 N

L10735 N

0.07663
0.05368
0.03924
0.02862
0.02017
0.01382
0.00976
0.00749
0.00599
0.00485
0.00403
0.00344
0.00301
0.00267
0.00240
0.00217
0.00198
0.00183
0.00169
0.00157
0.00147
0.00137
0.00127
0.00118
0.00109
0.00101
0.00093
0.00085
0.00078
0.00072
0.00065
0.00059
0.00052
0.00046
0.00040
0.00034
0.00027
0.00019

Scale 1:20000

250 0 250 500 750 1000 1250 1500

(meters)

NAD83 / UTM zone 9N

UNITED MINERAL SERVICES LTD.

AIRBORNE MAGNETIC SURVEY
CONTOURS OF MODELLED MVI
DEPTH 200m

SNOW PEAK PROJECT
JANUARY 2018

PETER E. WALCOTT & ASSOCIATES LIMITED

413000 414000 415000 416000 417000 418000 419000 420000 421000

6484000 6483000 6482000 6481000 6480000 6479000 6478000 6477000

T19374 E

T19376 E

T19357 E

T19355 E

T19385 E

T19384 E

L10562 N

L10563 N

L10573 N

10575 N

L10572 N

L10575 N

L10583 N

L10585 N

L10640 N

L10645 N

L10652 N

L10671 N

L10672 N

L10725 N

L10730 N

L10735 N

0.07663
0.05368
0.03924
0.02862
0.02017
0.01382
0.00976
0.00749
0.00599
0.00485
0.00403
0.00344
0.00301
0.00267
0.00240
0.00217
0.00198
0.00183
0.00169
0.00157
0.00147
0.00137
0.00127
0.00118
0.00109
0.00101
0.00093
0.00085
0.00078
0.00072
0.00065
0.00059
0.00052
0.00046
0.00040
0.00034
0.00027
0.00019

Scale 1:20000

250 0 250 500 750 1000 1250 1500

(meters)

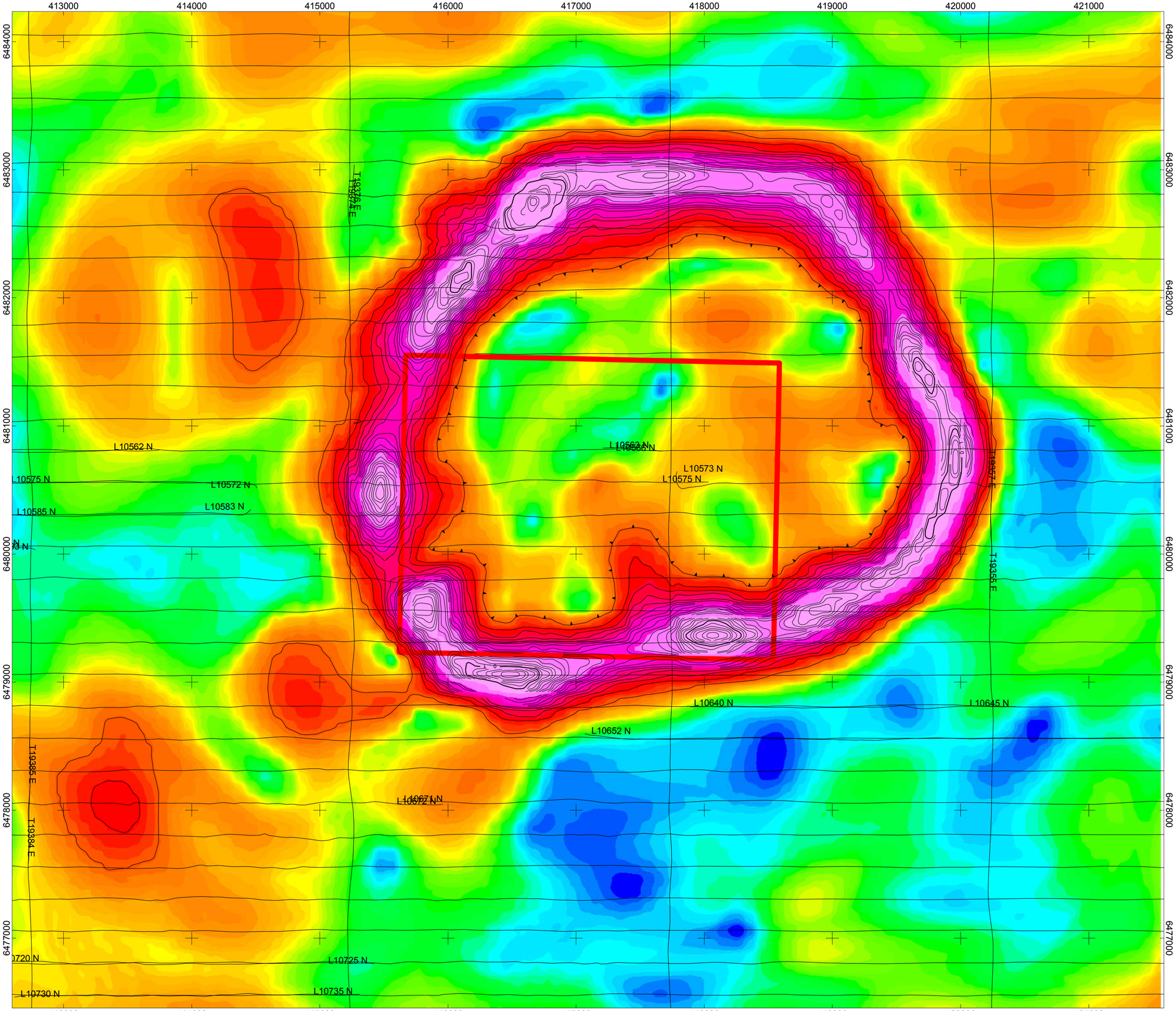
NAD83 / UTM zone 9N

UNITED MINERAL SERVICES LTD.

AIRBORNE MAGNETIC SURVEY
CONTOURS OF MODELLED MVI
DEPTH 300m

SNOW PEAK PROJECT
JANUARY 2018

PETER E. WALCOTT & ASSOCIATES LIMITED



0.07663
0.05368
0.03924
0.02862
0.02017
0.01382
0.00976
0.00749
0.00599
0.00485
0.00403
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0.00267
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0.00217
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0.00093
0.00085
0.00078
0.00072
0.00065
0.00059
0.00052
0.00046
0.00040
0.00034
0.00027
0.00019

Scale 1:20000

250 0 250 500 750 1000 1250 1500

(meters)

NAD83 / UTM zone 9N

UNITED MINERAL SERVICES LTD.

AIRBORNE MAGNETIC SURVEY
CONTOURS OF MODELLED MVI
DEPTH 500m

SNOW PEAK PROJECT
JANUARY 2018

PETER E. WALCOTT & ASSOCIATES LIMITED

413000 414000 415000 416000 417000 418000 419000 420000 421000

6484000 6483000 6482000 6481000 6480000 6479000 6478000 6477000

T19374 E

T19376 E

T19385 E

T19384 E

T19357 E

T19355 E

L10562 N

L10563 N

L10573 N

10575 N

L10572 N

L10575 N

L10583 N

L10585 N

L10640 N

L10645 N

L10652 N

L10671 N

L10672 N

L10720 N

L10725 N

L10730 N

L10735 N

0.07663
0.05368
0.03924
0.02862
0.02017
0.01382
0.00976
0.00749
0.00599
0.00485
0.00403
0.00344
0.00301
0.00267
0.00240
0.00217
0.00198
0.00183
0.00169
0.00157
0.00147
0.00137
0.00127
0.00118
0.00109
0.00101
0.00093
0.00085
0.00078
0.00072
0.00065
0.00059
0.00052
0.00046
0.00040
0.00034
0.00027
0.00019

Scale 1:20000

250 0 250 500 750 1000 1250 1500

(meters)

NAD83 / UTM zone 9N

UNITED MINERAL SERVICES LTD.

AIRBORNE MAGNETIC SURVEY
CONTOURS OF MODELLED MVI
DEPTH 700m

SNOW PEAK PROJECT
JANUARY 2018

PETER E. WALCOTT & ASSOCIATES LIMITED