

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)]: Airborne Magnetic Survey

TOTAL COST: 11,173.96

AUTHOR(S): Walcott A., Walcott P

SIGNATURE(S): digital

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): Sept 7-8, 2017, Oct 20-Nov 1, 2017

YEAR OF WORK: 2017

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5676414

PROPERTY NAME: Jake

CLAIM NAME(S) (on which the work was done): Jake 1 & Jake 2

COMMODITIES SOUGHT: Au, Ag, Cu, Mo

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: _____

MINING DIVISION: Omineca

NTS/BCGS: 94D/03

LATITUDE: 56 ° 13.3 ' 0 " LONGITUDE: 127 ° 18.6 ' 0 " (at centre of work)

OWNER(S):

1) United Mineral Services Ltd.

2) _____

MAILING ADDRESS:

1500-1040 WEST GEORGIA STREET

Vancouver, B.C., V6E 4H1

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

1) United Mineral Services Ltd.

2) _____

MAILING ADDRESS:

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
gold, copper, Bulkley Intrusive, Upper Bowser, Kastberg, hornfelsed.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 16838,25931,34666

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	_____	_____	_____
Airborne Magnetic	_____	1048335,1048336	11,173.96
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:	11,173.96

EVENT #5676414
AN ASSESSMENT REPORT
ON
AIRBORNE MAGNETIC SURVEYING
JAKE PROPERTY
SQUINGULA RIVER AREA, BRITISH COLUMBIA

OMINECA M.D.
56° 13.3'N, 127° 18.6'W
NTS 94D/ 03

Claims: 1048335,1048336

Work Dates: September 7th– 8th, 2017

FOR
UNITED MINERAL SERVICES LTD.
VANCOUVER, BRITISH COLUMBIA

BY
PETER E. WALCOTT, P. Eng.
ALEX WALCOTT, B. Sc.

PETER E. WALCOTT & ASSOCIATES LIMITED
Coquitlam, British Columbia

MARCH 2018

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APPENDIX I

Cost of Project
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ACCOMPANYING MAPS

Claim Location Map	Scale 1:20,000
Contours of Total Field Intensity (nT)	Scale 1: 20,000
Contours of Calculated Vertical Derivative	Scale 1: 20,000

INTRODUCTION.

Between September 7th and 8th, 2017, Peter E. Walcott & Associates Limited undertook a heli-borne magnetic survey over the Jake Property, for United Mineral Services Ltd.

The survey consisted of some 163 line kilometers of airborne magnetics flown with a nominal line spacing of 200 meters on east-west orientated lines, and with north-south tie lines spaced with a nominal line spacing of 1000 meters.

PROPERTY LOCATION AND ACCESS

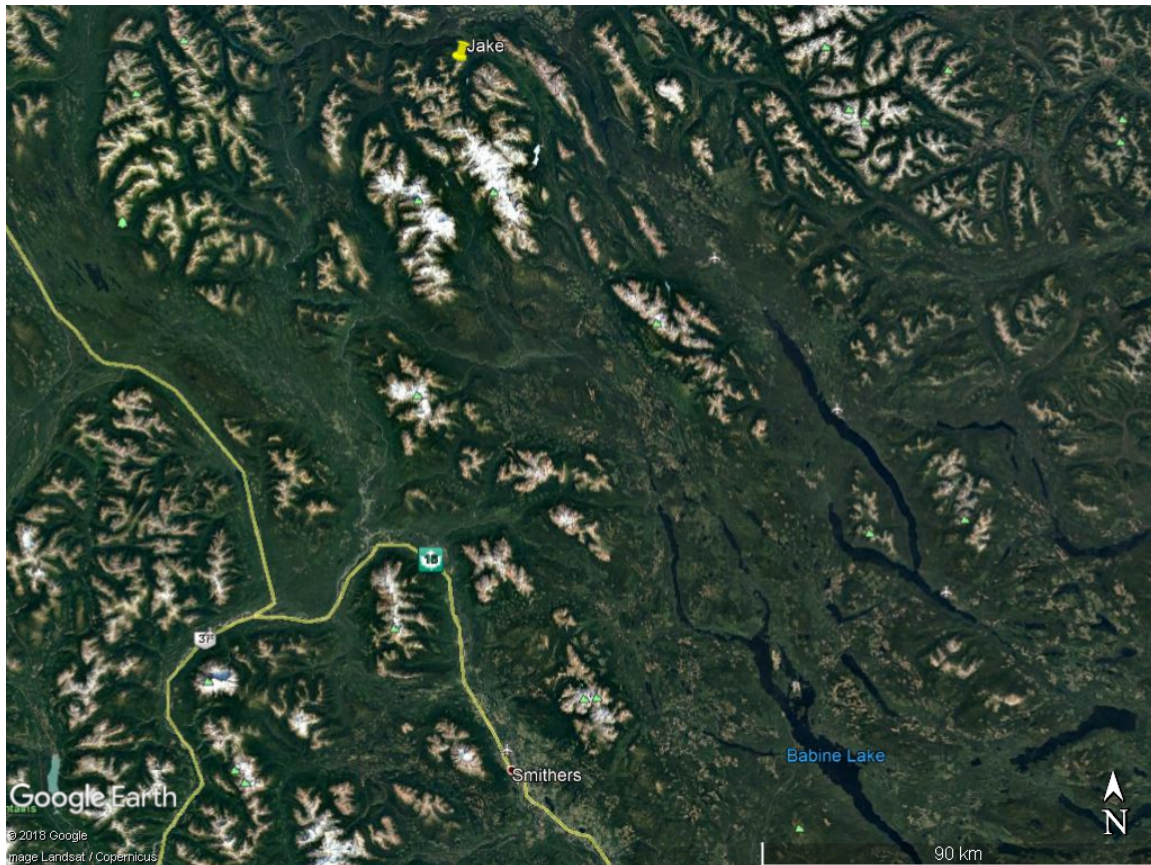
The Jake Property is located in the Omineca Mining Division in north-central British Columbia. The property is some 160 km north of Smithers, British Columbia at latitude 56° 13.3' N, longitude 127° 18.6' E.

The property is comprised of two claim blocks with an area totaling 1943 Ha and is owned 100% by United Mineral Services Ltd. The property was acquired by United Minerals Services Ltd. on December 8th, 2016.

<i>Project</i>	<i>Tenure #</i>	<i>Claim Name</i>	<i>Hectares</i>	<i>Date of Acquisition</i>	<i>Good To Date</i>	<i>Mining Division</i>	<i>Owner</i>
Jake 1	1048335	Jake 1	1313.4	08-Dec-2016	06-Jun-2019	Omineca	United
Jake 2	1048336	Jake 2	629.4	"	"	"	"

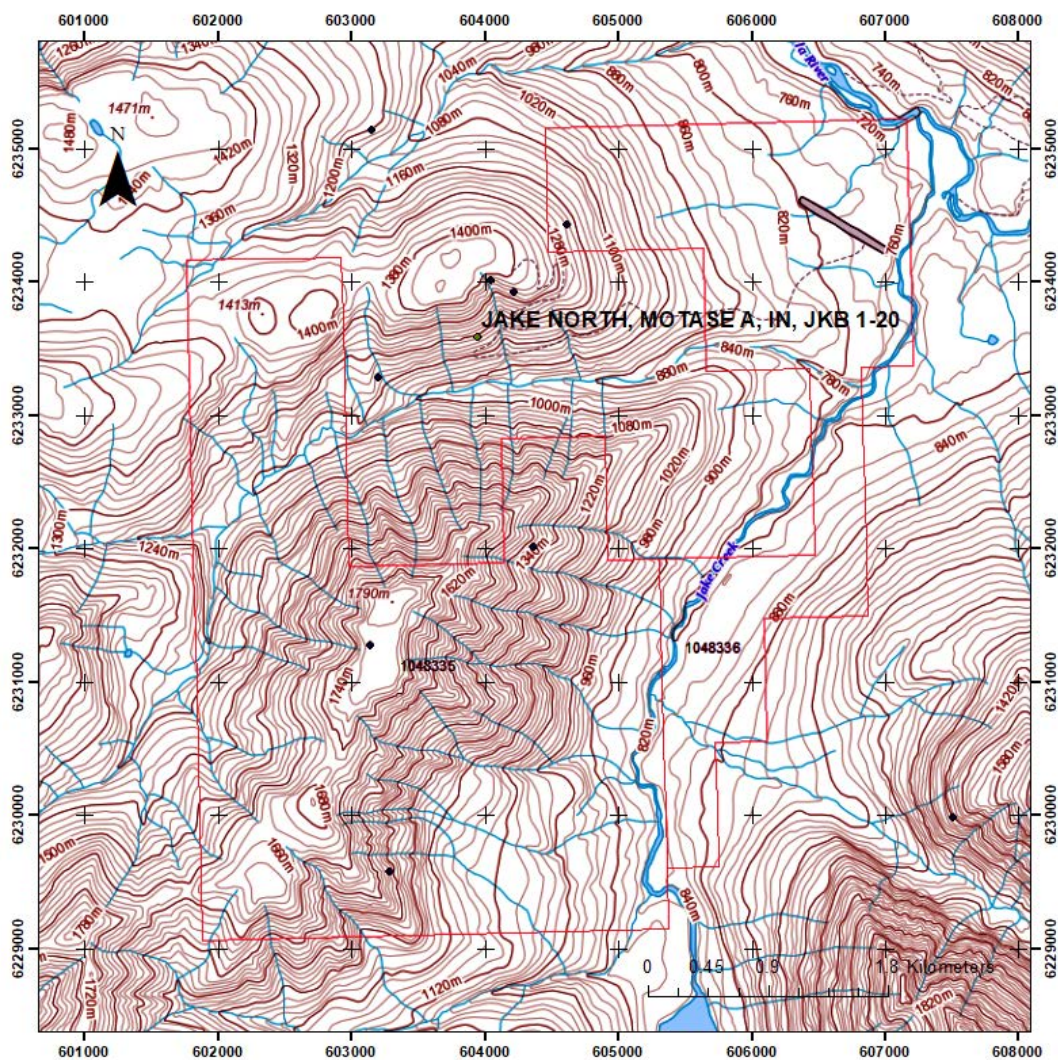
Access to the property was gained via helicopter from Smithers, British Columbia.

PROPERTY LOCATION AND ACCESS



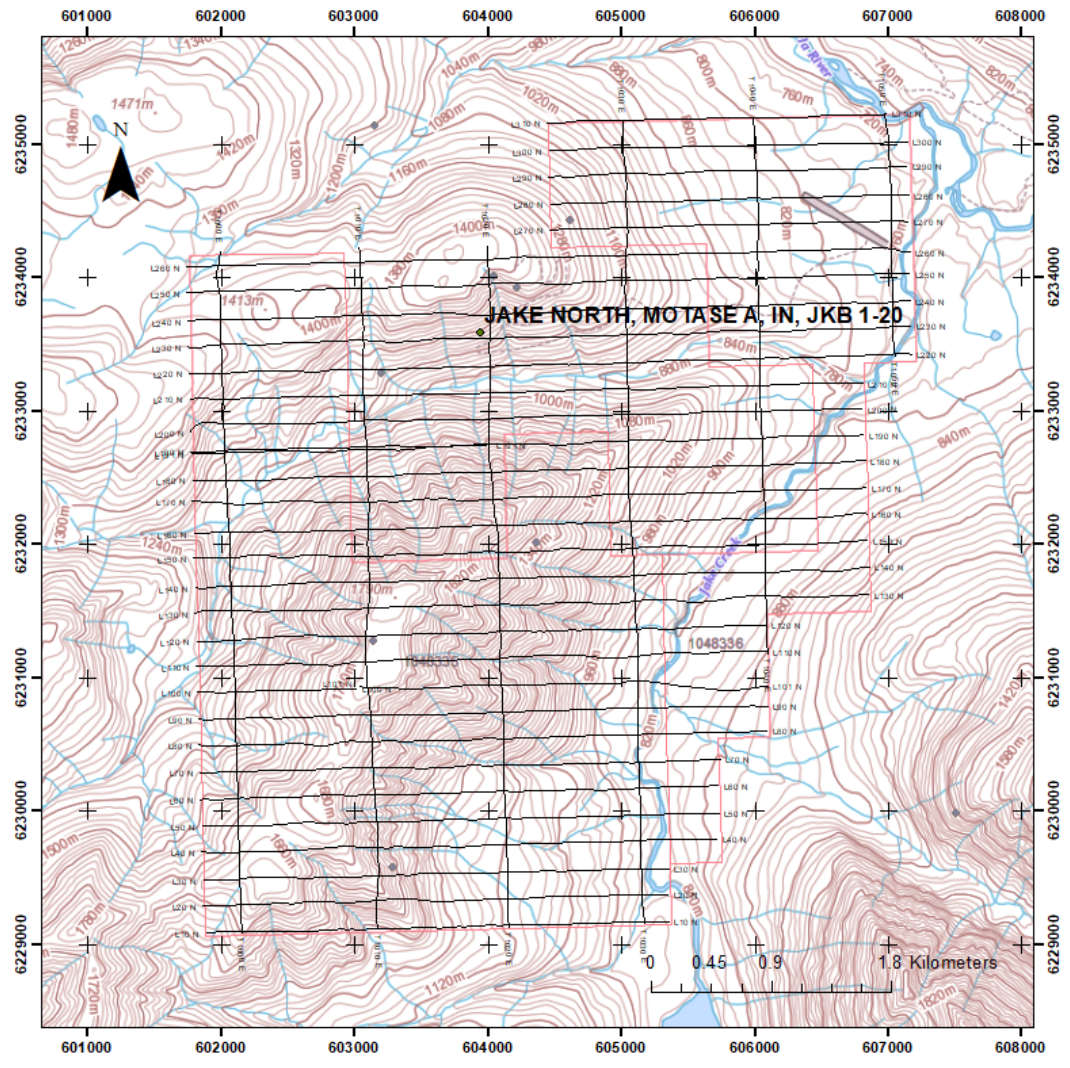
Google Earth - Property Location Map

PROPERTY LOCATION AND ACCESS cont'd.



*Claim Location Map
With Minfile Occurrences*

PROPERTY LOCATION AND ACCESS cont'd.



Claim Map with Flight Lines

PREVIOUS WORK.

The property was discovered by Kennco in 1965 who conducted geochemical sampling and drilled two Ax holes (55.5 m). Exploration work has been conducted sporadically by a variety of operators since then, however, all historical drilling programs took place on the north ridge and outside the current UMS targets.

In 1968, Canadian Superior Exploration Limited staked the JKB claims and conducted geochemical sampling. Canadian Superior re-staked the area as the IN Group in 1971; initial sampling results from a large gossanous area indicated up to 0.4% Cu in altered feldspar porphyry.

In 1972, 1973 and 1976, exploration programs by Canadian Superior included geochemical sampling (soil, rock, trenching) geological mapping, a ground magnetic survey and diamond drilling. The diamond drilling program consisted of 3 X-ray holes (94.5 m), 7 NQ holes (900.5 m) and 2 BQ holes (305 m).

In 1977, Cities Service Minerals Corporation optioned the property and conducted additional geochemical sampling, geological mapping and 437 m of diamond drilling in two holes; in the “discovery zone”, sampling across a surface exposure of 27.5 m returned 0.39% Cu and 27.4 g/t Ag.

In 1986, Placer Development Limited conducted heavy mineral sampling throughout the area. Analytical results indicated a pronounced Au-As anomaly on north and south ridge; south ridge especially showed enrichment in As and Sb.

Placer Development Limited suggested a possibility for an Au-As mineralization in the rocks capping the porphyry system south of the main creek. Accordingly, they recommended that the down-thrown block south of the main creek should be explored for a structurally-controlled, epithermal, precious-metal deposit characterized by breccia pipes, fault-controlled alteration zones and large areas of crackle breccia.

During 1997-1999, Teck Corp conducted geological mapping, geochemical sampling, petrographic studies and diamond drilling on the north ridge, however, the 1999 drilling results were not filed and are not in the public domain.

Electrum Resources Corp has carried out geological and geochemical exploration programs and regional satellite imagery studies, in and around current Jake property, since 2007.

PREVIOUS WORK cont'd.

In December 2016, UMS acquired the Jake claims by staking. Claims comprise large portions of a strong Au-Cu-Pb-Zn-Ag-Sb geochemical anomaly, mainly covering the south ridge; this area has never been drill tested. There is also no record of an Induced Polarization (IP) geophysical survey over the target area.

The 2017 exploration program conducted by UMS consisted of airborne magnetics geophysical survey, which covered the full extent of the company's Jake mineral claims.

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

GEOLOGY.

Regional

The Jake project is located near the edge of the Bowser Basin and is underlain by the Middle to Upper Jurassic Bowser Lake Group. This shallow marine-lacustrine alluvial suite lies conformably on the sedimentary and volcanic rocks of the Lower to Middle Jurassic Hazelton group.

Intruding this sedimentary sequence is a number of Late Cretaceous Bulkley intrusives of granodiorite to quartz diorite composition. Later Tertiary Kastberg and Babine intrusives also intruded the Bowser Basin as small isolated plugs throughout the area. During the Cretaceous time, the basin was uplifted and deformed to form the Skeena Fold Belt (Gagnon, 2010).

A diverse number of Cu +/- Mo, Ag, Au, W porphyry systems are related to Bulkley intrusives including Huckleberry, Glacier Gulch, Ox Lake and Louise Lake. The Babine Cu-Au porphyries are well known with production from Bell and Granisle past producers.

The structure in the area is dominated by block faulting with typical lower Bowser sediments and intrusives within domed portions as probable horsts (generally topographic highs). Upper Bowser sediments are more typically located in grabens within valley bottoms. Bowser Basin is dominated by contractional folding and faulting (Evanchick et. al., 2009).

Local

The property and surrounding areas cover a prominent gossan along a north/northeast trending series of Kastberg (?) dyke swarms and associated stock or plug. The gossan continues across a deeply incised east/west valley that runs through the northern part of the claim group and separates the north ridge and south ridge.

The intrusive rocks were emplaced within a sequence of volcanoclastics and sediments of the Bowser Lake Group. The sediments are hornfelsed for 200-300 meters, which suggests the dykes merge into a larger intrusive body at depth. Sediments are generally sub-vertical near the intrusives while gently folded and more flat lying elsewhere on the property.

GEOLOGY cont'd.

Petrographic work appears to show the volcanoclastics (crystal lithic tuffs) to be waterlain. The clasts show weak orientation with local bedding. Generally fine crystal-lithic tuffs consisting mainly of tuffaceous lithic fragments with lesser plagioclase and quartz crystal fragments. Carbonate and quartz are commonly present in small microveins near the intrusives.

The intrusives were categorized into three porphyritic phases (from oldest to youngest): diorite, feldspar porphyry and monzonite. Petrographic work on the intrusive rocks found them all to be of a latite to quartz latite composition with hypabyssal textures. They are thought to be separate phases of the same intrusive event, but may be more alteration related (AR # 25931, 1999).

Mineralization

Within and around the project area, most of the observed mineralization appears to be related to proximal intrusions and intrusive activities. The intrusive rocks in the areas of mineralization are thought to be part of the Eocene Katsberg Plutonic Suite or older Babine Intrusions. Babine Intrusions are associated with porphyry copper deposits situated approximately 100km to the southeast along the regional northwest-southeast structural trend.

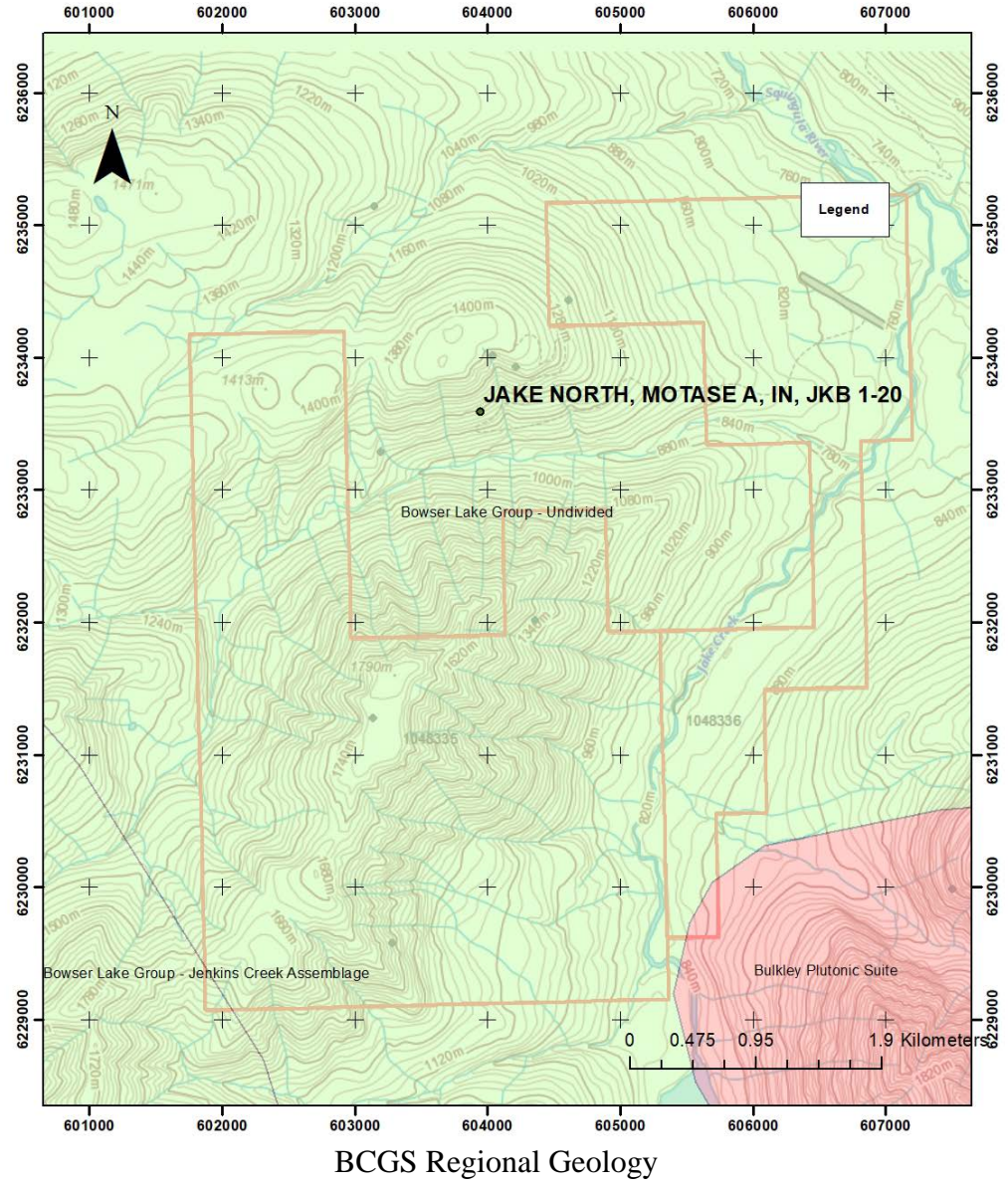
Studies on geological/geochemical patterns in the area suggests that the Babine intrusions are early in the erosional process of being “unroofed” and therefore there may be additional areas that are underlain by intrusive rocks at relatively shallow depths. The Bear property (Roste, 2008) and possibly the Jake property (Ronning, 2007; and Smith, 1999) provide evidence of the potential for copper (+/- Mo or Au) porphyry style mineralization within the district (AR 34666, 2014).

Mineralization consisted of sulphide +/- quartz veinlets was noted within the hornfelsed sediments adjacent to mineralized intrusives (Evans, 1997). These veinlets range in width from 1 mm to 10 cm in thickness and consist of pyrite, arsenopyrite +/- chalcopyrite and lesser sphalerite and galena.

The mineralization are related to both potassic altered monzonites and the argillic altered zones of the feldspar porphyry. Both the feldspar porphyry and the monzonite have altered biotite and exhibit zones of quartz sericite alteration. The feldspar porphyry is generally associated with stronger argillic alteration, while the monzonite exhibits stronger potassic alteration. The argillic alteration phase, associated most strongly with the feldspar porphyry unit, appears late in the porphyry system and overprints the potassic phase.

GEOLOGY cont'd.

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



PURPOSE.

The purpose of the survey was to obtain high resolution magnetics over the Jake property in an effort to define additional target areas within the claims block for porphyry style mineralization.

SURVEY SPECIFICATIONS.

The 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.

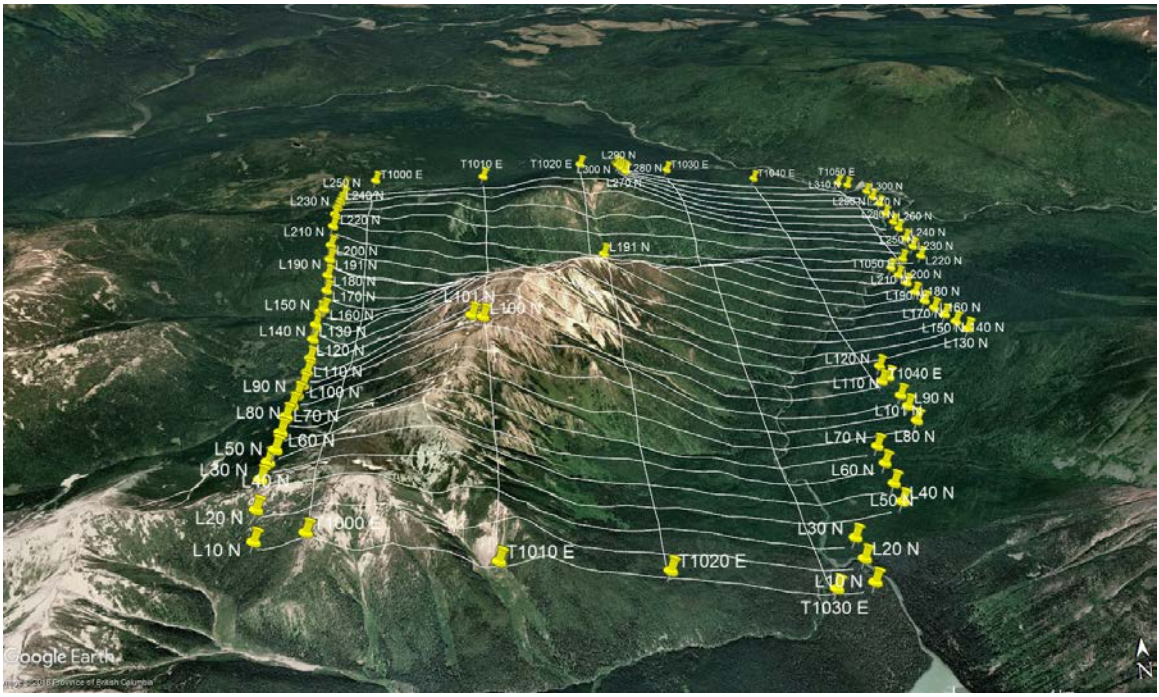
In addition to the airborne unit the survey also utilized two GSM 19 overhauser magnetometer manufactured by GEM Instruments of Richmond Hill, Ontario as base magnetometers. These instruments measure variations in the total intensity of the earth's magnetic field to an accuracy of plus or minus one nanotesla.

SURVEY SPECIFICATIONS cont'd

The survey coverage consisted of some 31 east-west orientated flight lines and 6 orthogonal tie lines.

The survey was carried out with a mean bird height of some 48 meters.

Survey Area	# of Lines	# of Tie Lines	Total Distance
Jake	31	6	163 km



Flight Lines draped 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.

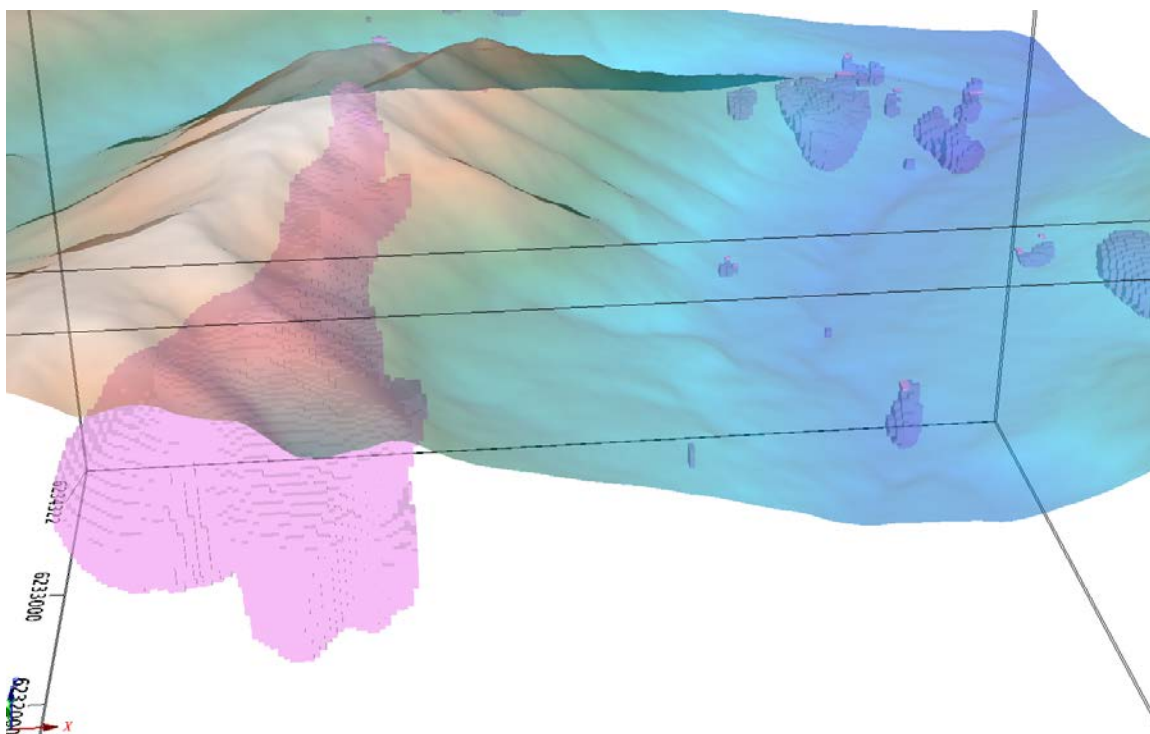
The magnetic data for each of the respective blocks presented in this report is Contours of Total Magnetic Intensity, and Contours Calculated First Vertical Derivative.

A 3D magnetic vector inversion was also carried out on the dataset.

DISCUSSION OF RESULTS.

The results of the airborne magnetic survey highlight two areas of interest within the survey block, associated with zones of elevated magnetics.

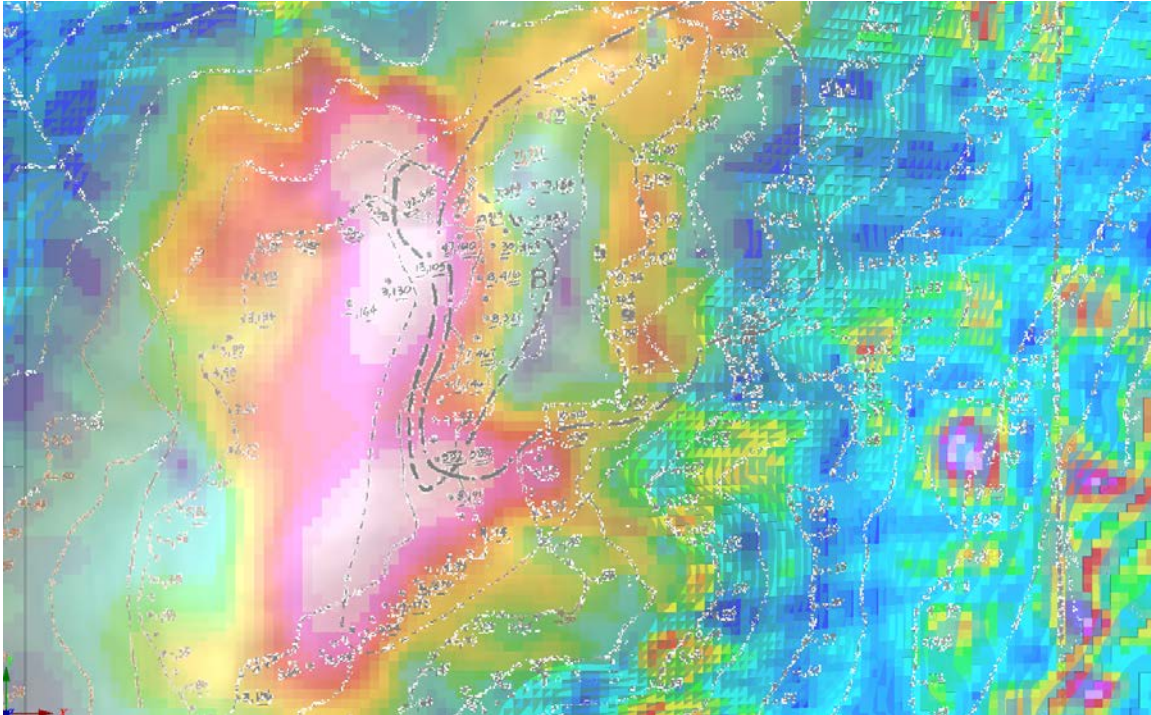
Anomaly mHA is a large intense magnetic feature situated on the Jake 1 claim block. This feature is likely associated with a large intrusive body beneath the mountain top which appears to be westerly dipping.



*3D VIEW Looking Towards the North
MVI SUSCEPTIBILITY AMPLITUDE (0.008 Cutoff)*

Flanking the eastern edge of the near surface expression of this anomaly a broad zone of anomalous gold and copper geochemistry can be observed within historic geochemical data.

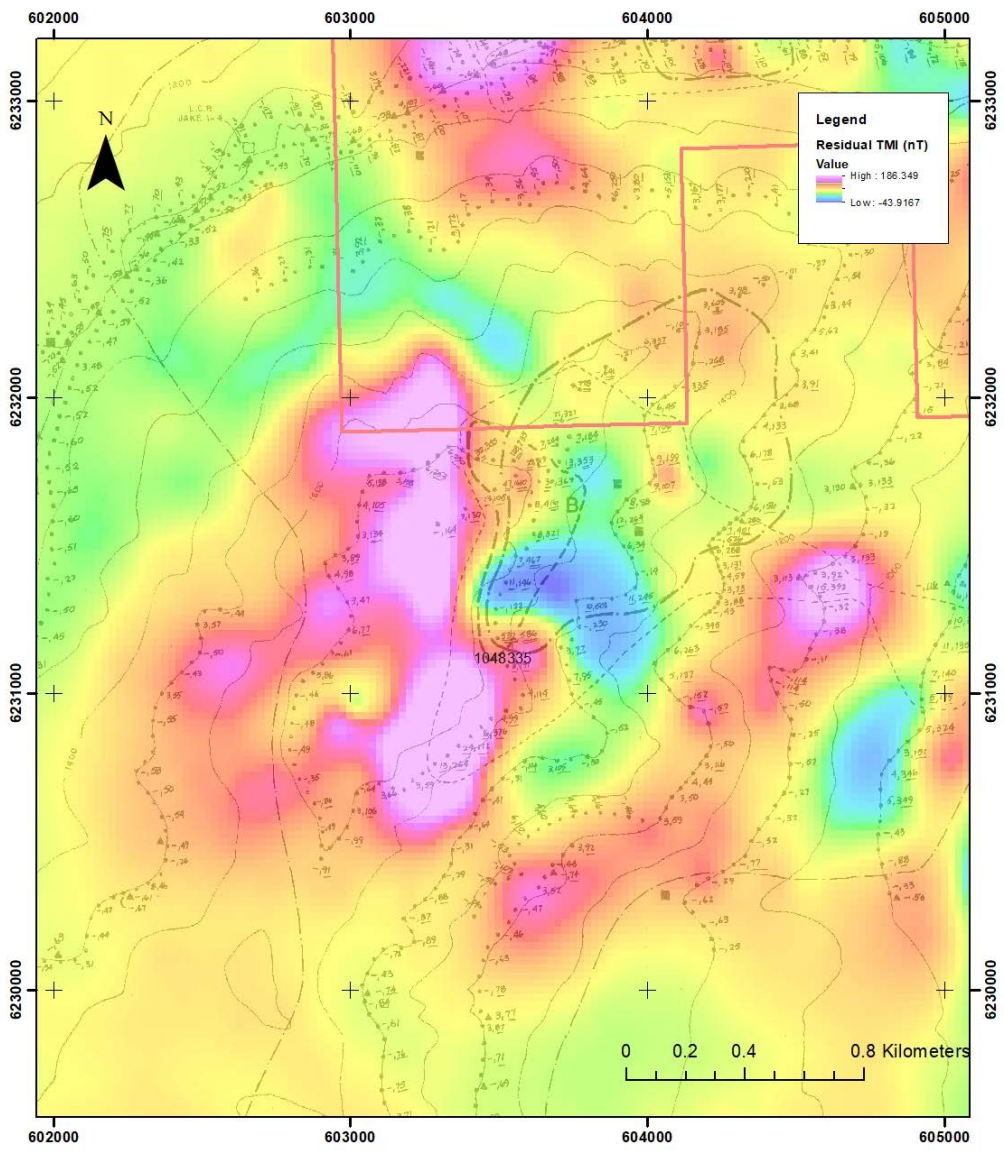
This geochemistry anomaly appears to be situated within a zone of reduced magnetics tracking a north-south orientation, as illustrated below.

DISCUSSION OF RESULTS cont'd.

*3D Screen Capture of MVI Susceptibility – 1350 m level
with Historic Molybdenum and Copper Results*

A northeastern trending magnetic fabric can also be observed within the residual TMI (nT) cross cutting this both the dominant magnetic feature and soil anomaly.

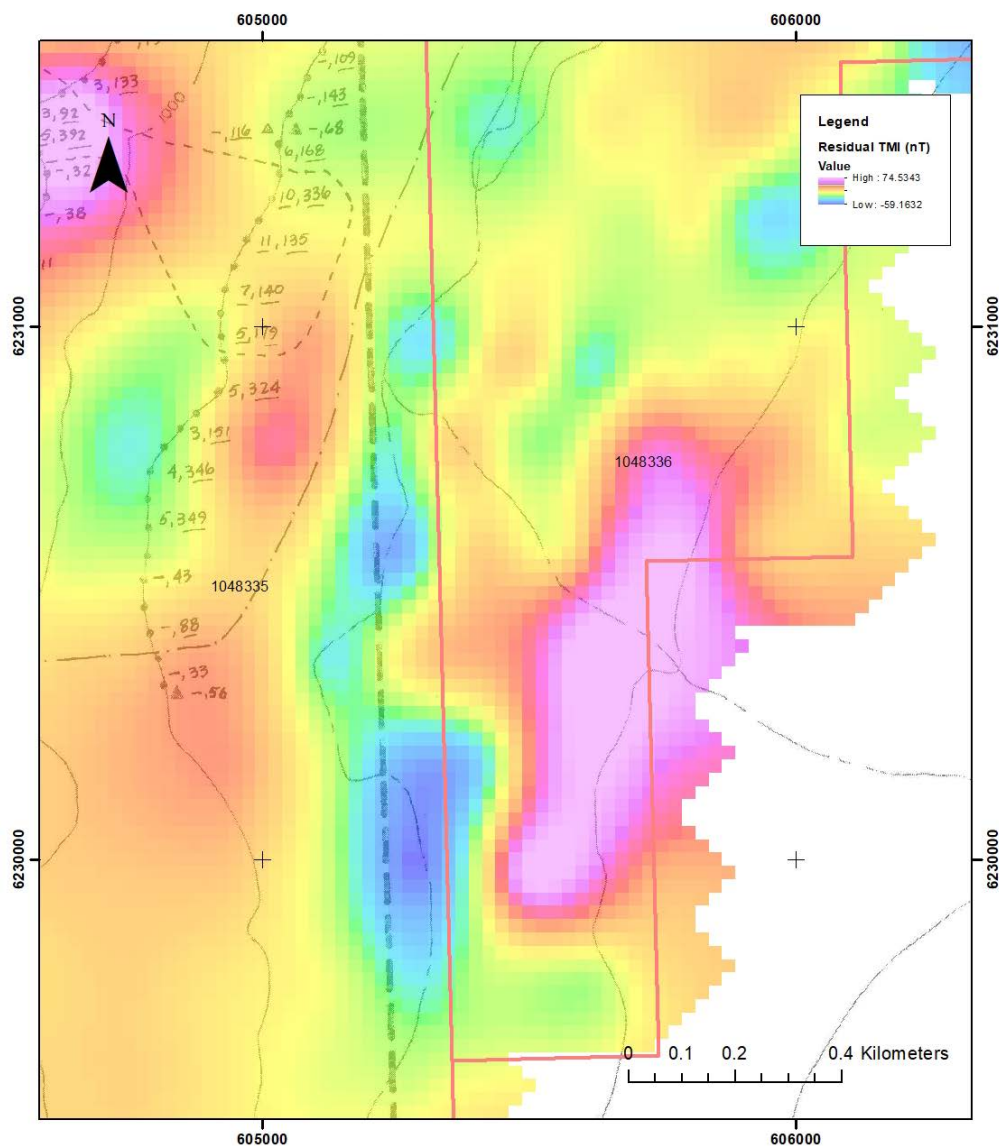
DISCUSSION OF RESULTS cont'd.



*Anomaly mHA - Residual TMI (nT)
with Historic Molybdenum and Copper Results*

DISCUSSION OF RESULTS cont'd.

Anomaly mHB is situated on the south east boundary of the Jake 2 block. This discrete north-northwesterly trending anomaly is some 1 kilometer in length and 0.4 kilometers in width and remains open to the east. This anomaly is situated within a different magnetic domain as to Anomaly mHA, reflecting a change in lithology. A distinct north-south trending magnetic contact can also be observed immediately to the west of this feature as observed in the TMI data.



Anomaly mHB - Residual TMI (nT)

SUMMARY, CONCLUSIONS & RECOMMENDATIONS.

Between September 7st and 8th, 2017, Peter E. Walcott & Associates Limited undertook a high resolution airborne magnetic survey over United Mineral Services Ltd., Jake property, located in the Squingula River area of British Columbia.

The survey was conducted using east-west flight lines with a nominal spacing of some 200 meters and north-south orientated tie lines with a nominal spacing of some 1000 meters. In total some 163 line-kilometers of airborne magnetics was completed.

The survey identified several targets of potential interest which should be followed up. Anomaly mHA appears to be the most prevalent and interesting feature within the survey area.

A detailed compilation of all historic data should be undertaken. Additional geological prospecting and mapping should be carried out proximal to the respective anomalies. Induced Polarization survey should also be considered over Anomaly mHA.

Respectfully submitted,

PETER E. WALCOTT & ASSOCIATES LTD.

**Alexander Walcott
Geophysicist**

**Peter E. Walcott, P.Eng.
Geophysicist**

**Coquitlam, B.C.
March 2018**

APPENDIX I

COST OF PROJECT.

Peter E. Walcott & Associates Limited undertook airborne magnetic surveying on a fixed rate of \$9,673.96.

Reporting and modelling costs of \$1500.00 were also incurred thus the total cost of the project was \$11,173.96.

PERSONNEL EMPLOYED.

Name	Occupation	Address	Dates
Peter E. Walcott	Geophysicist	Unit 111- 17 Fawcett Rd. Coquitlam, B.C. V3K 6V2	
Alexander Walcott	"	"	Sept 7 st -8 th , 2017 October 20 th , 2017
Pierre Bernier	Pilot	Silver King Helicopters.	Sept 7 th , 2017
F. Shirmohammad	Geologist	United Mineral Services Ltd.	October 30 th , 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 two 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 the property, nor do I expect to receive any.

Peter E .Walcott, P.Eng.

**Coquitlam, B.C.
March 2017**

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.

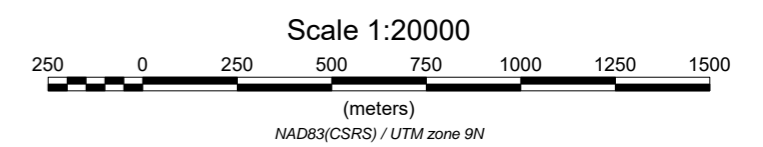
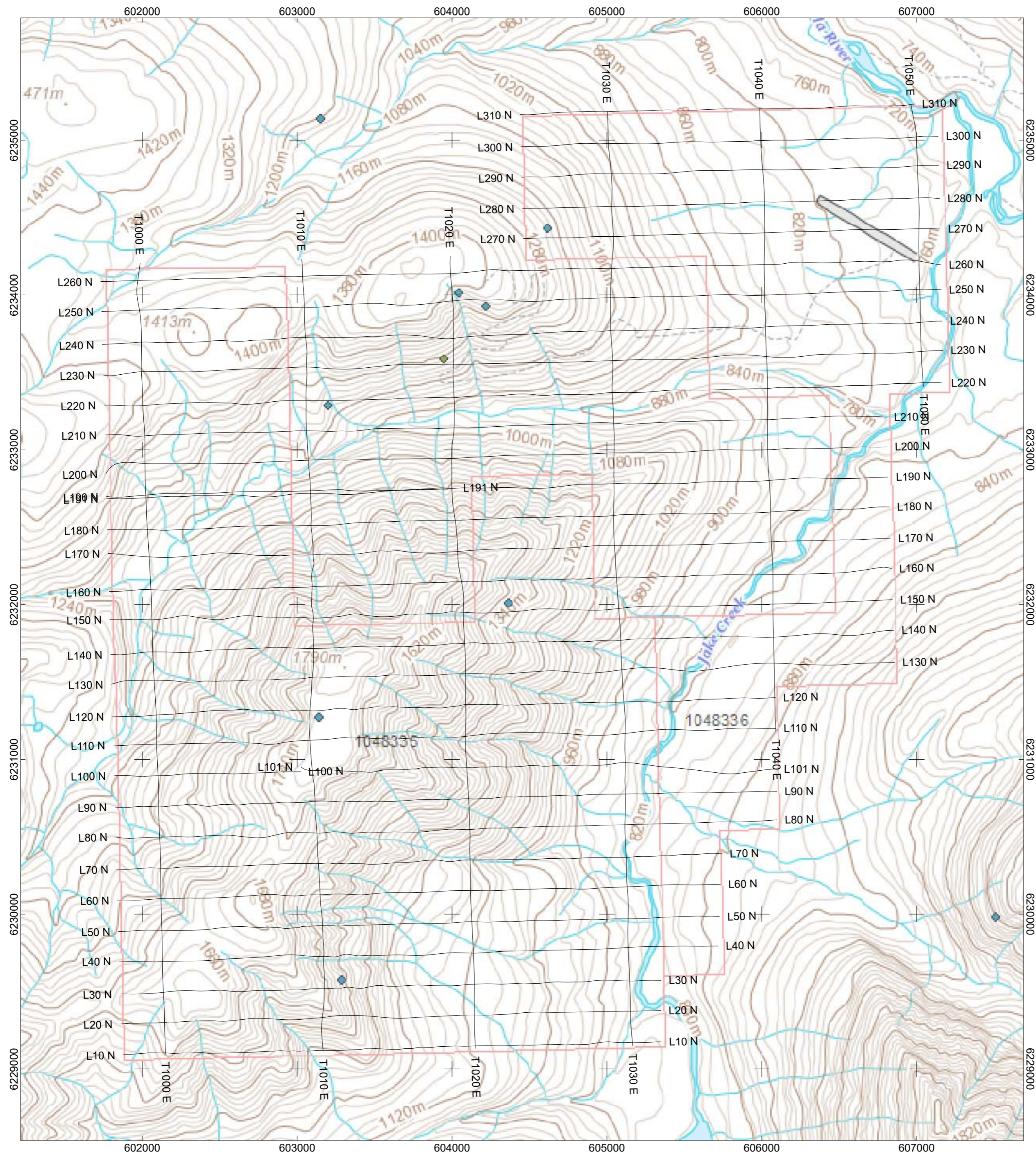
**Coquitlam, B.C.
March 2017**

REFERENCES.

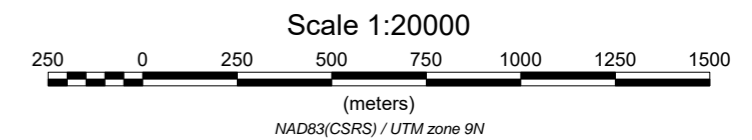
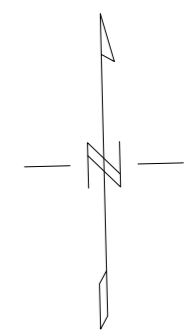
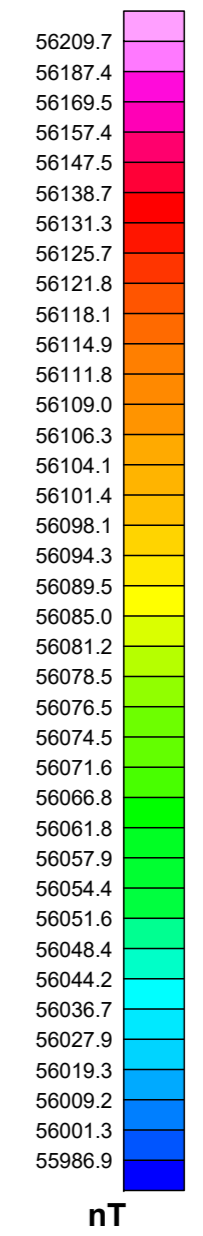
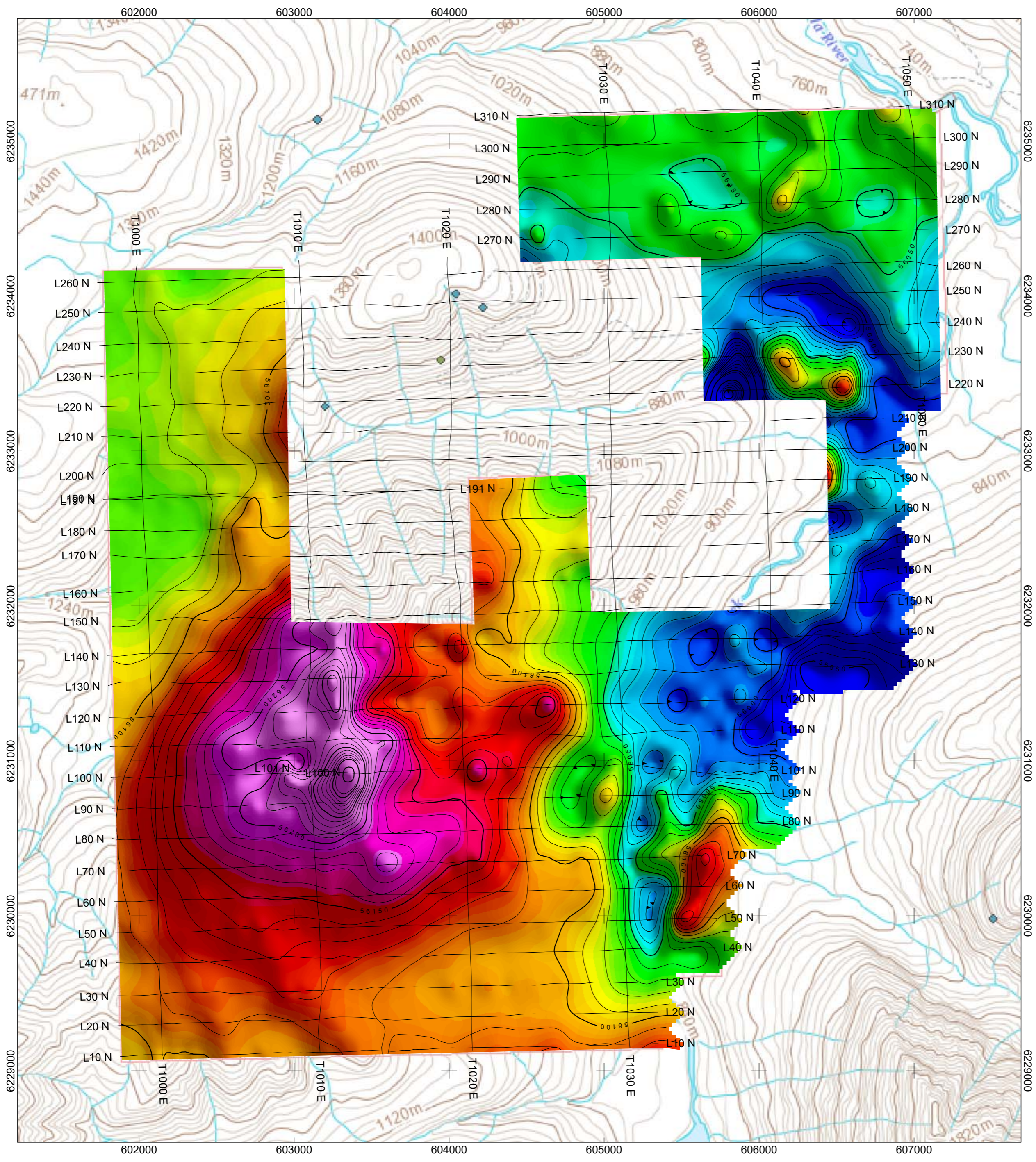
Holbek, P.M., Soil Geochemical Program on the Sustut Porphyry Property, 2014,BC Assessment Report, 34,666

Sketchley, D.A., Jake Mineral Claims, Geology and Geochemistry, 1988, BC Assessment Report, 16,838

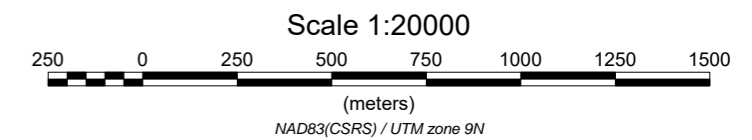
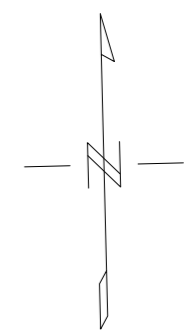
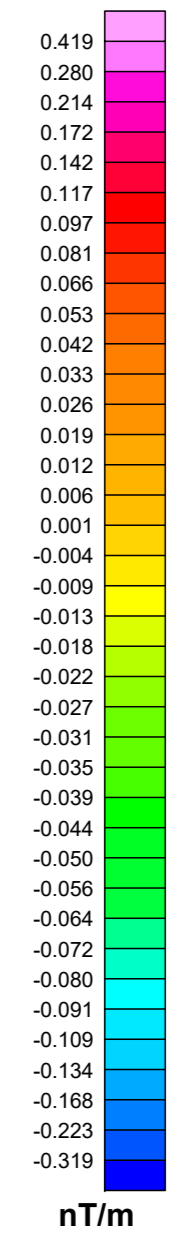
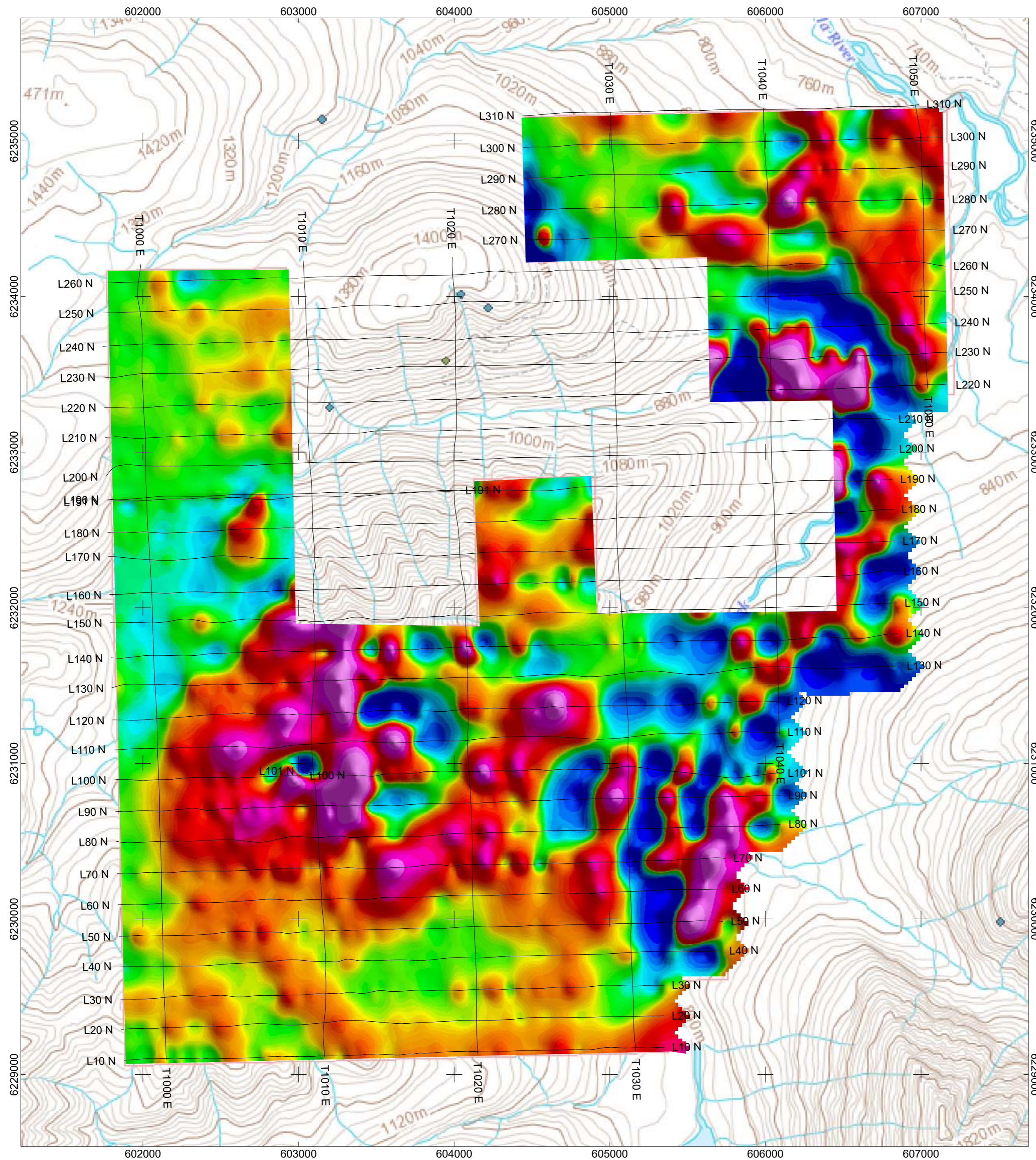
Smith, S.W., Geological Report on the Jake Property, 1999, BC Assessment Report, 25,931



UNITED MINERAL SERVICES LTD.
AIRBORNE MAGNETIC SURVEY CLAIM AND LINE LOCATION MAP
JAKE PROPERTY BRITISH COLUMBIA
PETER E. WALCOTT & ASSOCIATES LIMITED



UNITED MINERAL SERVICES LTD.
**AIRBORNE MAGNETIC SURVEY
 CONTOURS ON TOTAL FIELD INTENSITY (nT)**
 JAKE PROPERTY
 BRITISH COLUMBIA
PETER E. WALCOTT & ASSOCIATES LIMITED



UNITED MINERAL SERVICES LTD.

**AIRBORNE MAGNETIC SURVEY
CONTOURS OF 1VD of TMI (nT/m)**

JAKE PROPERTY
BRITISH COLUMBIA

PETER E. WALCOTT & ASSOCIATES LIMITED