

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)]: Ground Magnetic

TOTAL COST: 4,100.00

AUTHOR(S): Walcott, A. , Walcott P.

SIGNATURE(S): A. Walcott

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): Jan 18th-20th,2017

YEAR OF WORK: 2017

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5634262

PROPERTY NAME: SED

CLAIM NAME(S) (on which the work was done): 392163

COMMODITIES SOUGHT: Copper, Gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092ISE196

MINING DIVISION: Kamloops

NTS/BCGS: 92I.047

LATITUDE: 50 ° 26 ' _____ " LONGITUDE: 120 ° 38 ' _____ " (at centre of work)

OWNER(S):

1) Balto Resources Limited

2) _____

MAILING ADDRESS:

401-850 West Hastings Street

Vancouver, B.C. V6C 1E1

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

1) Balto Resources Limited

2) _____

MAILING ADDRESS:

401-850 West Hastings Street

Vancouver, B.C. V6C 1E1

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

Gold, Copper, Nicola Volcanics, Triassic, porphyry

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 28815

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	8000 m		4100.00
Electromagnetic			
Induced Polarization			
Radiometric			
Selsmic			
Other			
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:			4100.00

EVENT NUMBER: 5634262

AN ASSESSMENT REPORT

ON

GROUND MAGNETIC SURVEYING

SED CLAIMS

Logan Lake Area, British Columbia
50° 26'N, 120° 38'W
Kamloops Mining Division
NTS 0921.047

Claim Surveyed: 392163

Survey Date: January 19th, 2017

FOR

BALTO RESOURCES LIMITED.

Vancouver, British Columbia

BY

Alexander Walcott, B.Sc.

PETER E. WALCOTT & ASSOCIATES LIMITED

Vancouver, British Columbia

APRIL 2017

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APPENDIX

Cost of Survey
Personnel Employed on Survey
Certification
Claims List

ACCOMPANYING MAPS AND SECTIONS

Claim and Line Location Map	Scale 1:10,000
Contours of Total Field Intensity (nT)	Scale 1: 2,000
Line Path with Posted TMI (nT)	Scale 1: 2,000

INTRODUCTION.

Between January 18-20th, 2017, Peter E. Walcott & Associates Limited undertook ground magnetic surveying on the Sed claim, located in the Logan Lake area for Balto Resources Limited.

The survey consisted of some 8 line kilometers of ground magnetics, conducted on eight north-south orientated survey lines with a nominal spacing of some 100 m.

The survey was designed augment and expand on historic ground magnetics, in an attempt to located anomalies of potential interest.

PROPERTY LOCATION AND ACCESS.

The property is located within the Kamloops Mining Division immediately south of the Hwy 97D, (Meadow Creek Rd.) intersection with Hwy 5 (Coquihalla Highway), some 32 kilometers southwest of the city of Kamloops, British Columbia.

Access is gained via the Surrey Lake F.S.R south from Meadow Creek Rd. which is easily reached Logan Lake, Kamloops or Merritt via paved highway.

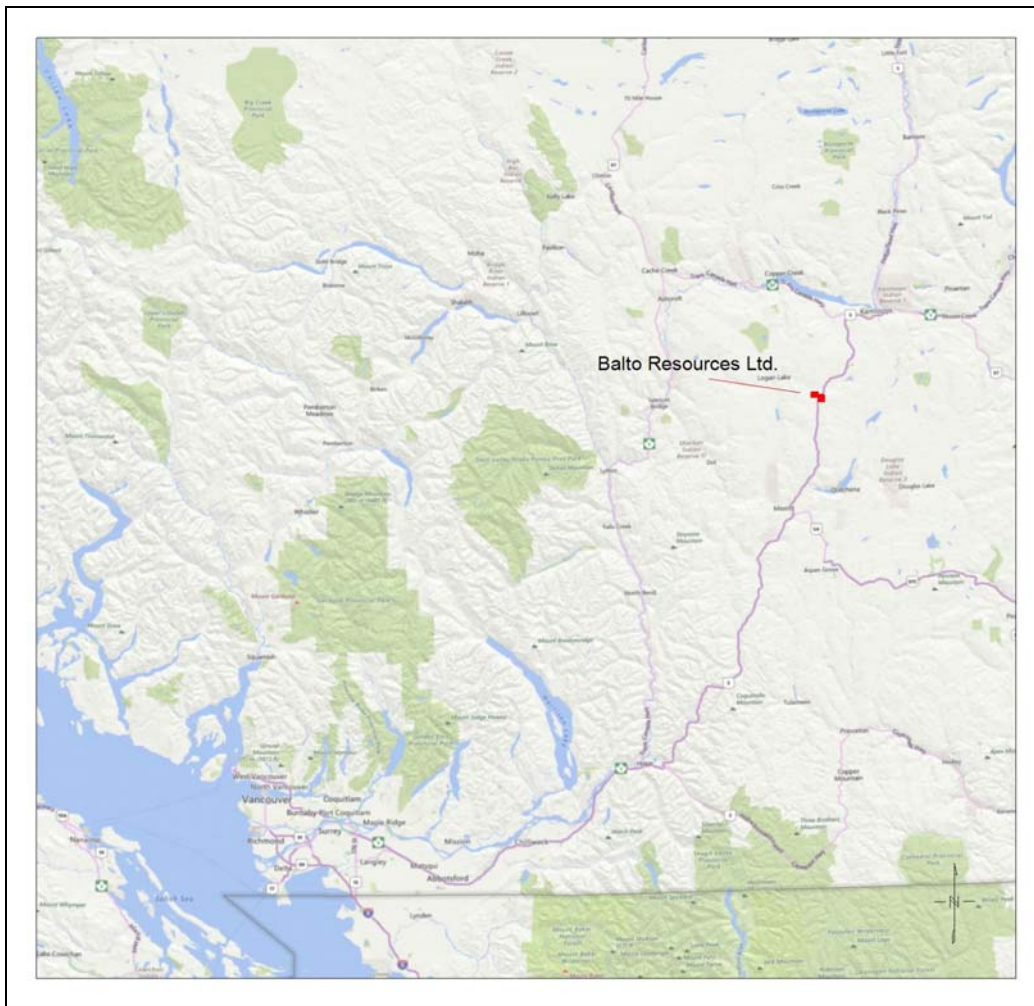


Figure 1 – Project Location Map

PROPERTY LOCATION AND ACCESS cont'd.

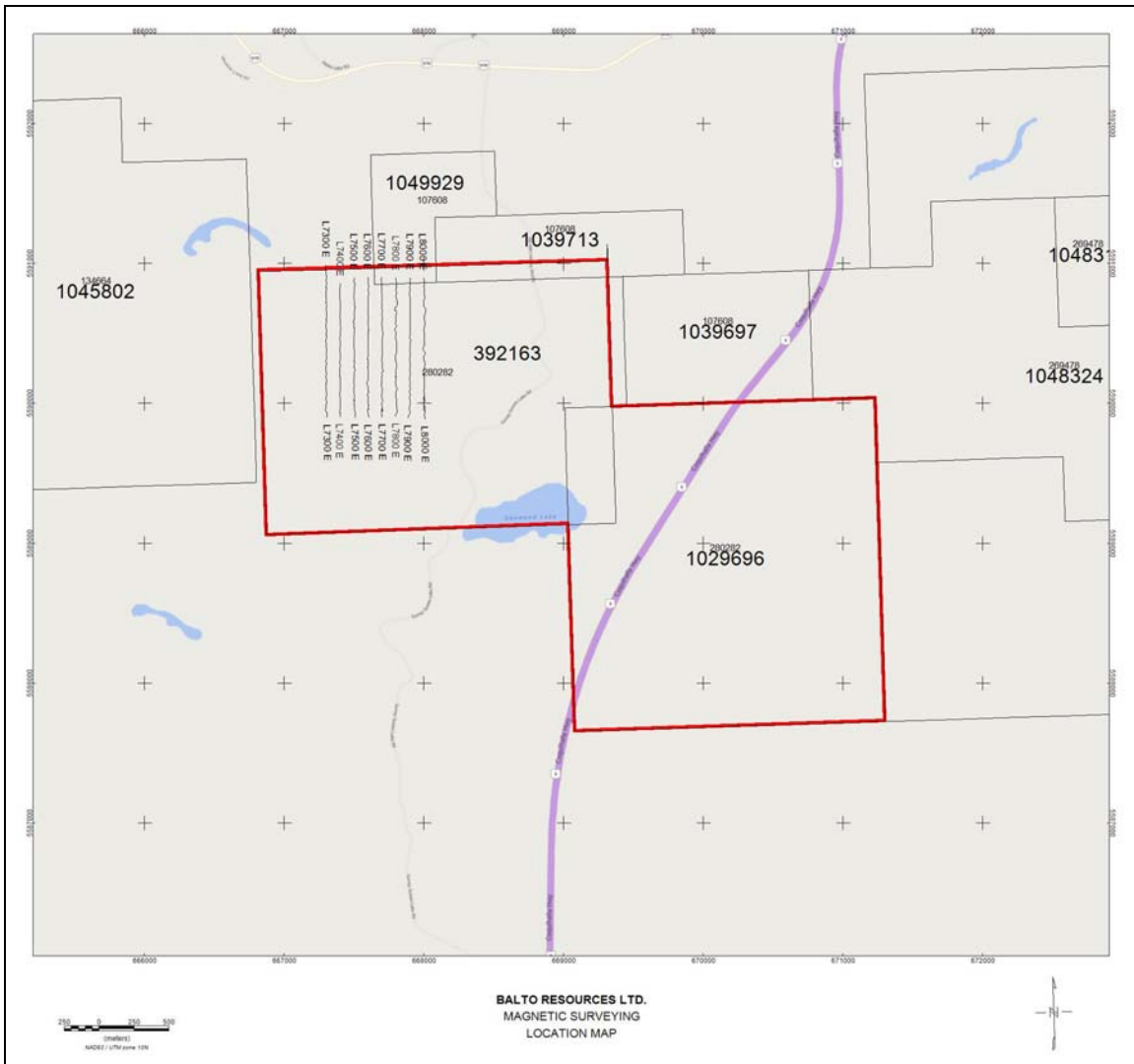


Figure 2 – Survey Block Locations

PREVIOUS WORK.

The property and surrounding areas have been the subject of numerous exploration campaigns dating back to the 1970's which included geological mapping, soil sampling and numerous geophysical surveys.

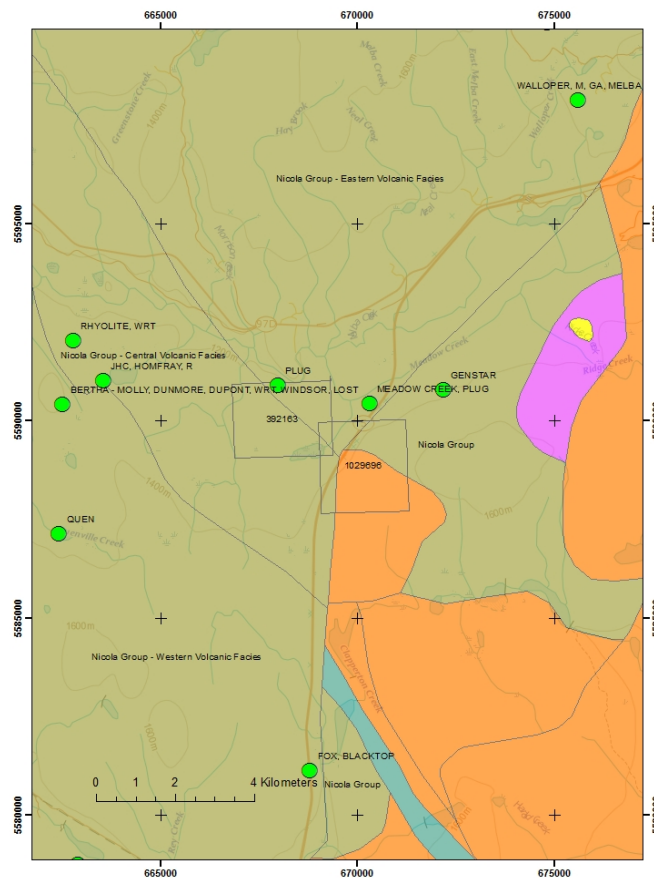
Starting in 2005 and spanning 11 years, numerous VLF surveys were conducted in the western portion of the SED Claim. These surveys identified several structural zones and potential conductors.

For further information the reader is referred to reports held by Balto Resources Limited. and to the assessment reports on the ARIS website.

REGIONAL GEOLOGY.

The Sed property lies in the southern extent of the Upper Triassic to Lower Jurassic Quesnellia Terrane, which hosts numerous alkalic porphyry copper-gold deposits within British Columbia

The property is dominantly underlain by Upper Triassic Nicola Group rocks, consisting of mafic to felsic pyroclastic rocks, argillite, sandstone and local carbonate. Numerous granitic intrusions can be found on the property, similar to that of the Plug (Minfile 092ISE196) showing in the northern portion of the property.



Regional Geology

For further information the reader is referred to the many publications of the B.C. Ministry of Mines, Energy and Petroleum Resources .

PURPOSE.

The purpose of the survey was to augment and expanded on previous ground geophysical surveys in an attempt to identify additional features of potential interest associated with copper and gold mineralization.

SURVEY SPECIFICATIONS.

The Magnetic Survey.

The magnetic survey was conducted using a GSM-19W proton precession walking magnetometer system manufactured by Gem Systems of Markham, Ontario, Canada. The system consisted of rover and base magnetometers.

Field Procedure.

North – south lines spaced at 100 metres were established using handheld Garmin GPS, and surveyed using a GSM-19T magnetometers. The magnetometers were synchronized to GPS times and readings were taken at 1 second intervals.

Correction for diurnal variation in the earth’s magnetic field were made by comparison with readings obtained from a similar magnetometer every 5 seconds, set up at a fixed location – the base.

Magnetometer units are checked daily to ensure that they were reading the same values and that all units used are synchronized to GPS time.

Data Processing.

The field data was subsequently downloaded from the respective instruments, utilizing *GemLink* software. Rover data was then post processed using the base data in order to account for variations within the magnetic field during the course of the day. The data was subsequently loaded into Geosoft for additional processing and presentation. The X,Y and Z position of every reading was taken from the handheld GPS unit. Data was then sampled at 2 metre intervals and smoothed using a low pass filter.

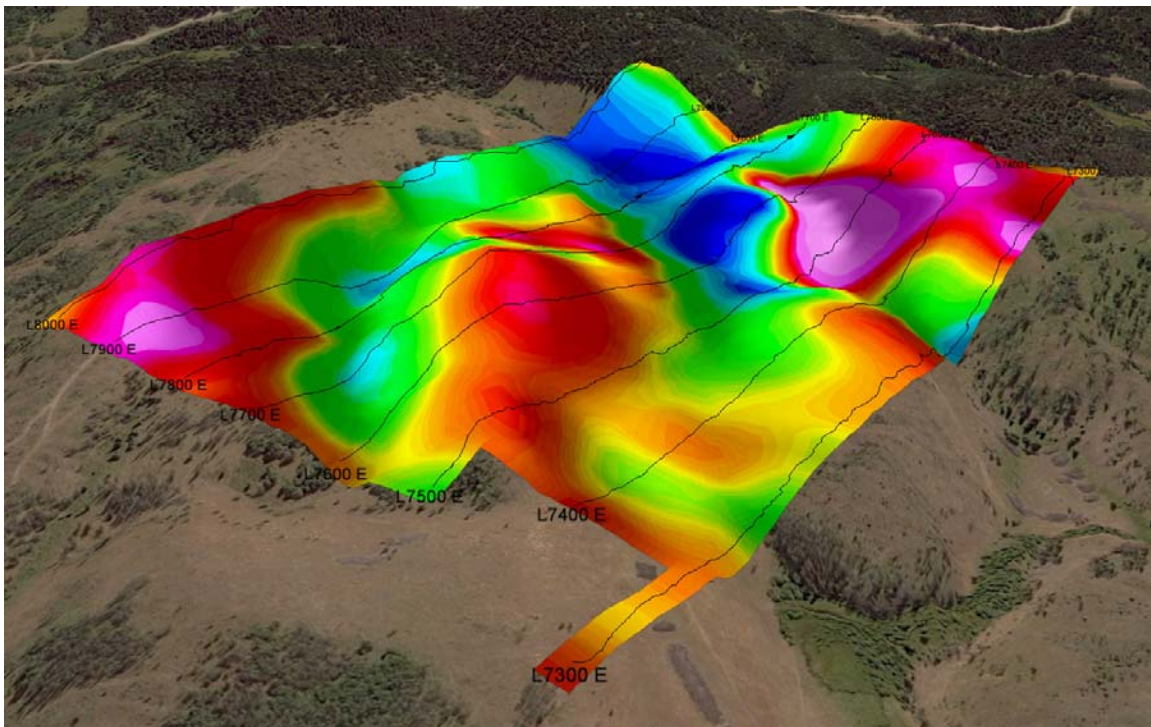
The data is presented in plan map form of “Contours of Total Magnetic Intensity” at a scale of 1:5,000.

DISCUSSION OF RESULTS.

The results of the magnetic survey show several features of potential interest.

A distinct north-northwesterly trend is readily apparent within the contoured total field data. These features appear to have good correlation with topographic depressions.

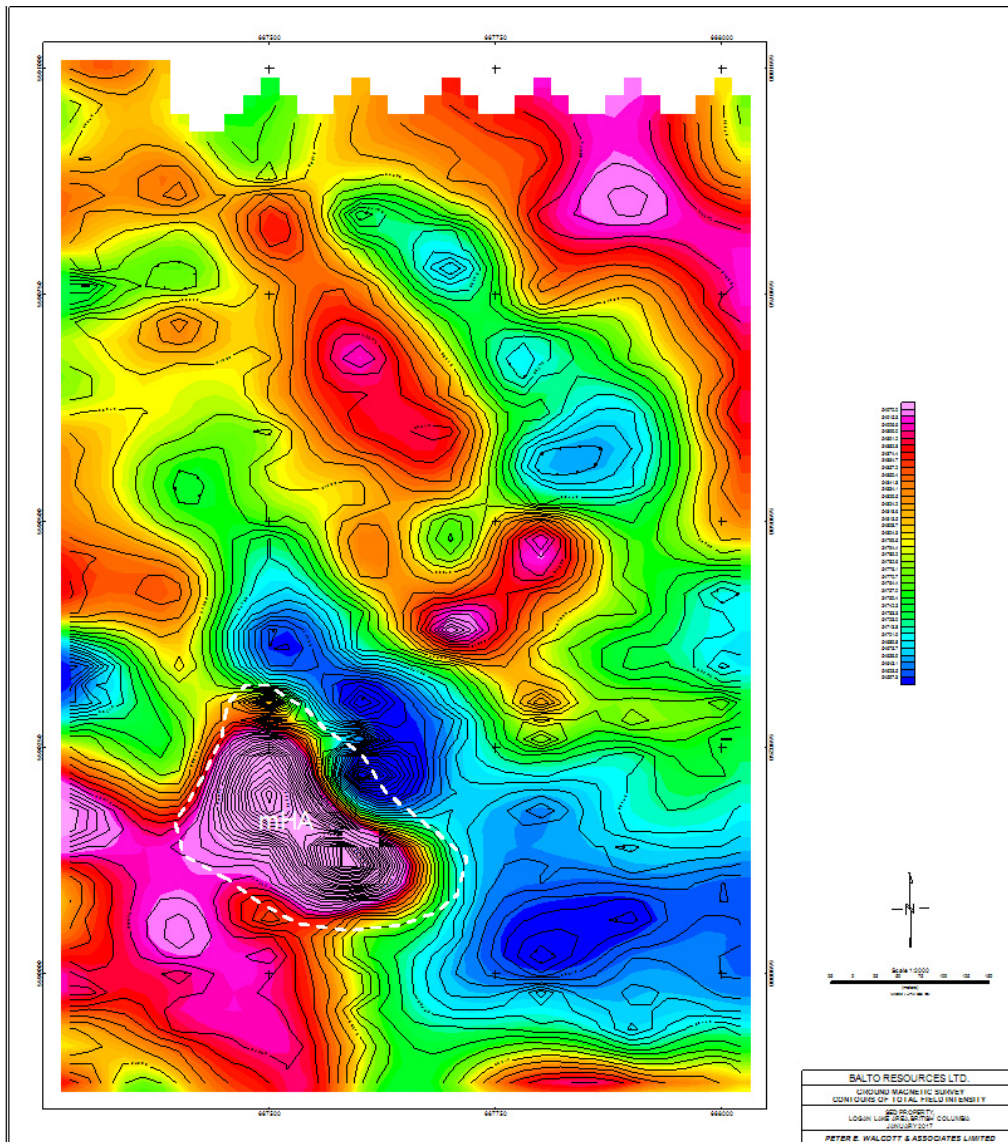
In the southwestern corner of the survey area a zone of elevated magnetics is readily observed (mHA). This feature also appears to have a slight north-westerly orientation, with south-westerly dip.



Total Field Magnetics (nT) on Topography

DISCUSSION OF RESULTS cont'd.

This feature is of potential interest, however maybe limited in size. A detailed compilation of historic work would need to be undertaken prior to any further comments.



Contours of Total Field Intensity (nT)

SUMMARY, CONCLUSIONS & RECOMMENDATIONS.

Between January 18th and 20th, 2017, Peter E. Walcott & Associates Limited undertook a magnetometer survey for Balto Resources Limited on their Sed property, located near Logan Lake, British Columbia.

Some 8 kilometres of magnetic surveying were conducted on 8 traverses oriented in a north-south direction with a nominal 100 m line separation.

The survey was designed to augment and expand on historic geophysical grids, conducted in numerous historical survey campaigns.

A detailed review and compilation should be undertaken, prior to any additional work being completed on the ground.

Respectfully submitted,

PETER E. WALCOTT & ASSOCIATES LIMITED

**Alexander Walcott
Geophysicist**

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

**Coquitlam, B.C.
April 2017**

APPENDIX

COST OF SURVEY.

Peter E. Walcott & Associates Limited undertook survey on daily basis providing 2 senior operators, two walking magnetometers, base magnetometer, 4x4 truck, and snowmobile at \$1,850.00 per day.

Mobilization and accommodations costs of \$1,750.00 were also incurred along with \$500.00 for reporting, thus the total cost of services provided was \$4,100.00.

PERSONNEL EMPLOYED ON SURVEY.

Name	Occupation	Address	Dates
Peter E. Walcott	Geophysicist	111-17 Fawcett Rd. Coquitlam, B.C. V3K 6V2	
A. Walcott	Geophysicist	“	
Tom Kocan	Geophysical Operator	“	January 18-20 th , 2017
Matt Magee	“	“	“

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 the property, nor do I expect to receive any.

Peter E. Walcott, P.Eng.

**Coquitlam, B.C.
April 2017**

CERTIFICATION.

I, Alexander Walcott, of 38-181 Ravine Dr., Port Moody, British Columbia, hereby certify that:

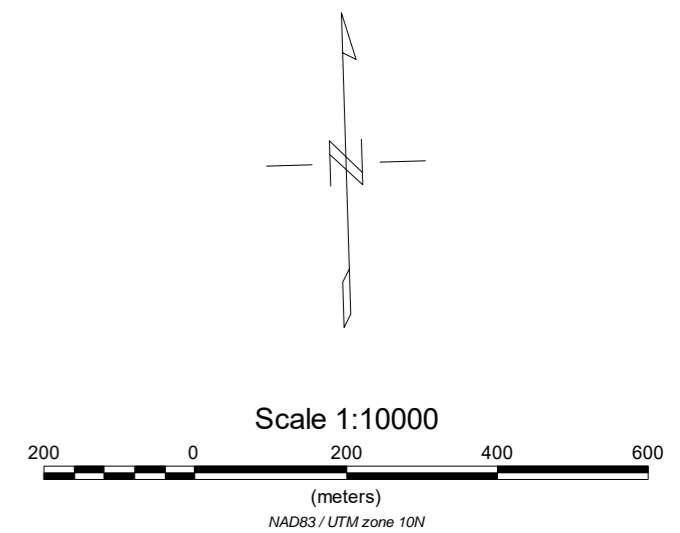
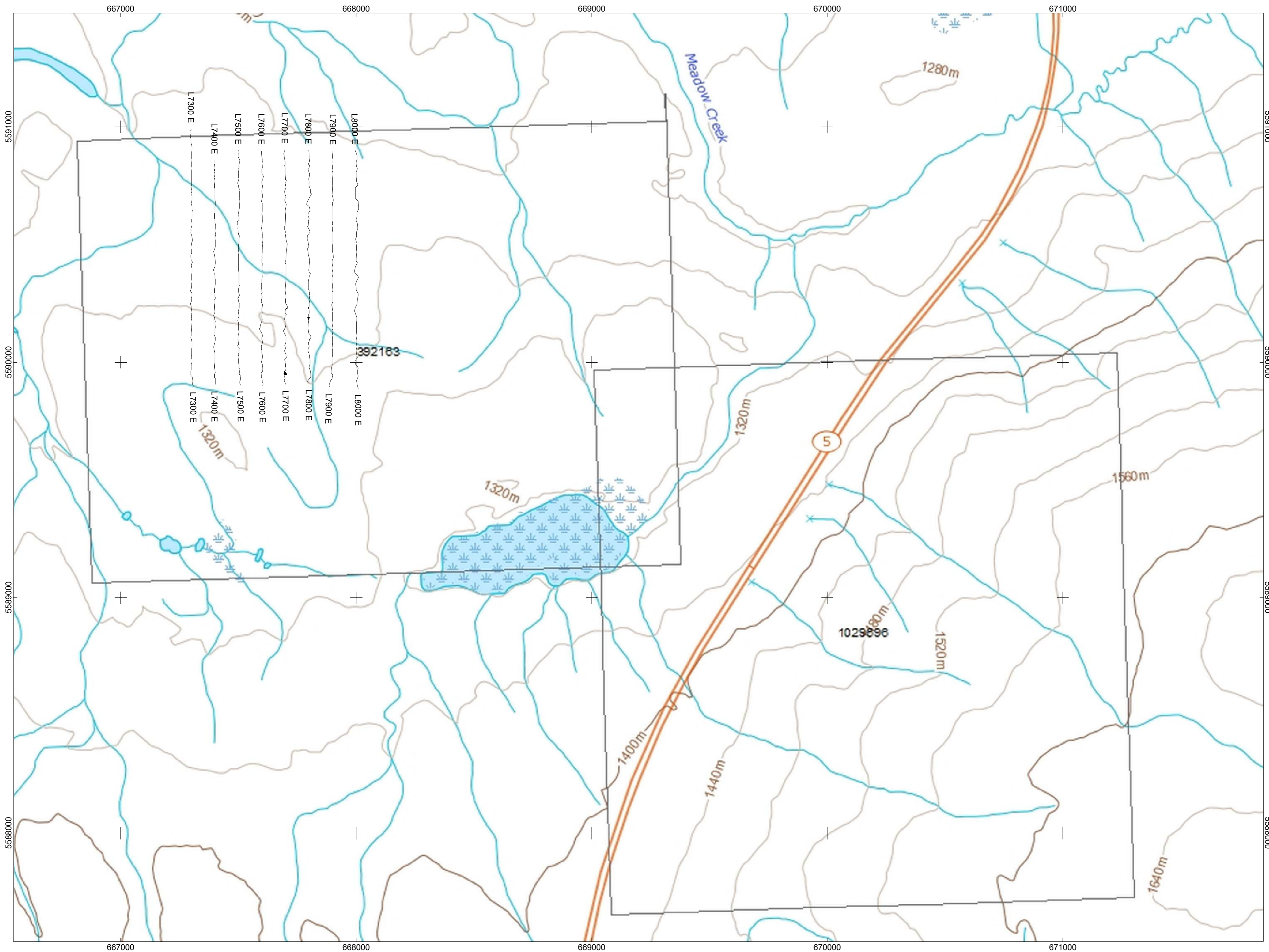
1. I am a graduate of the University of Alberta with a B.Sc. Earth Sciences Major, with a Physics Minor.
2. I have been active in mineral exploration for the past 20 years.
3. I hold no interest, direct or indirect, in the property, nor do I expect to receive any.

Alexander Walcott

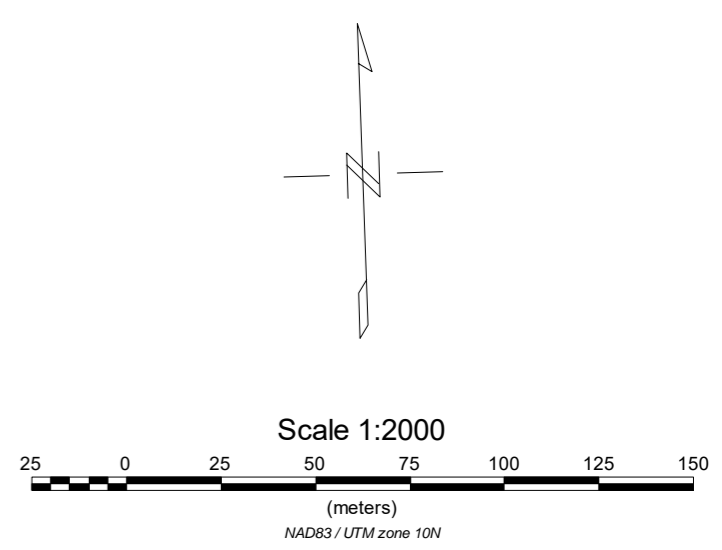
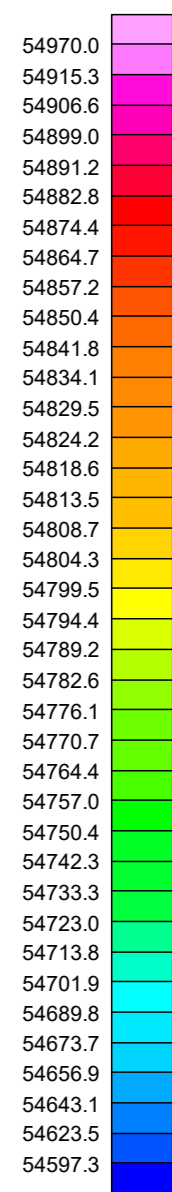
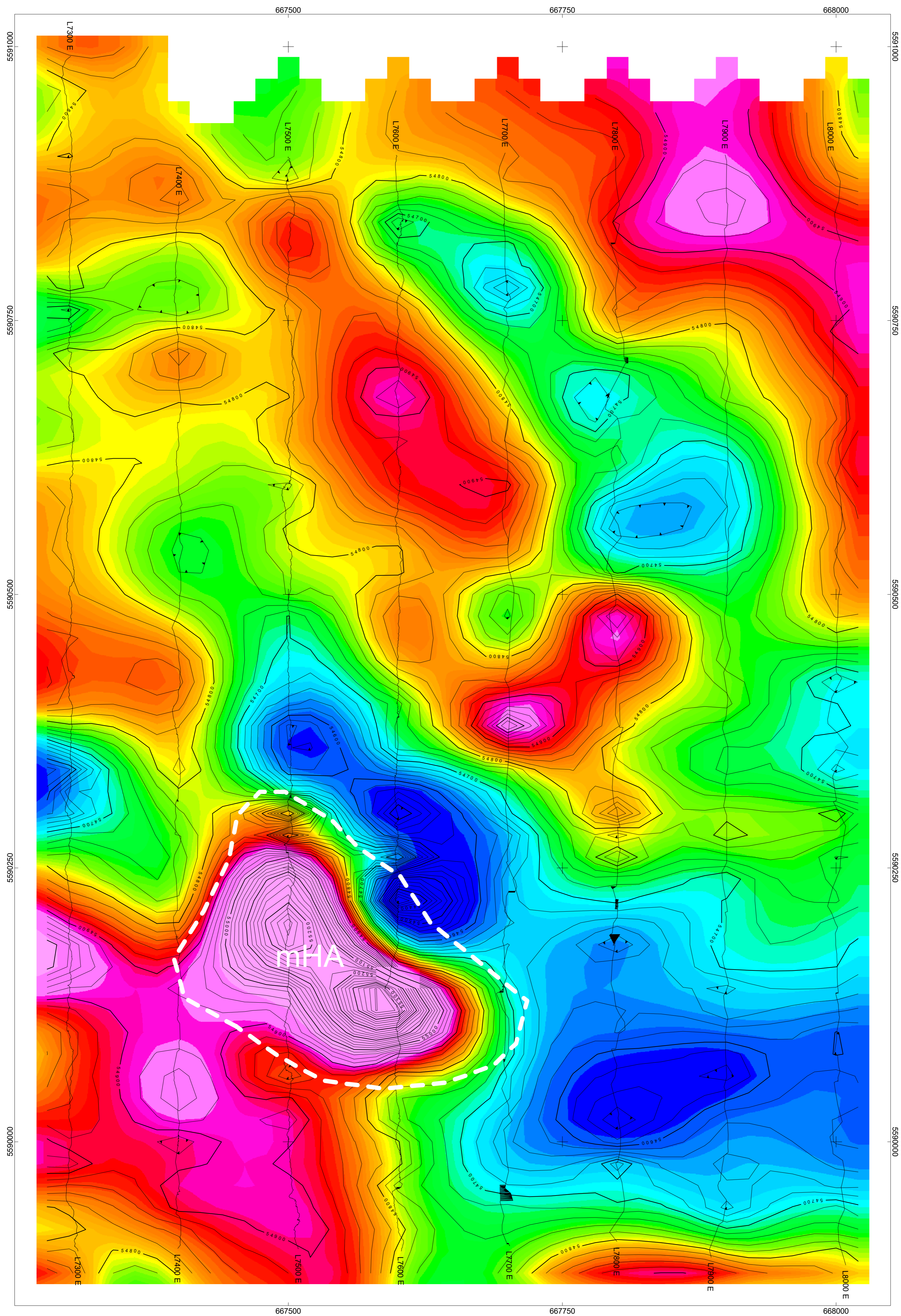
**Coquitlam, B.C.
April 2015**

CLAIM LIST.

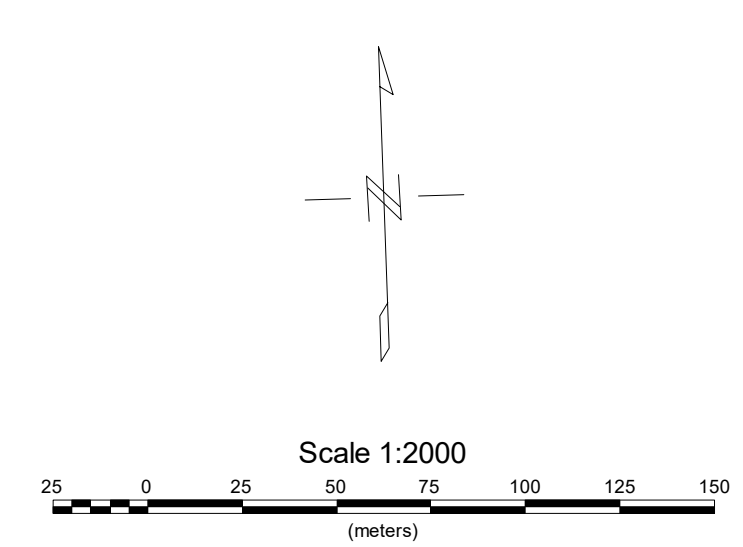
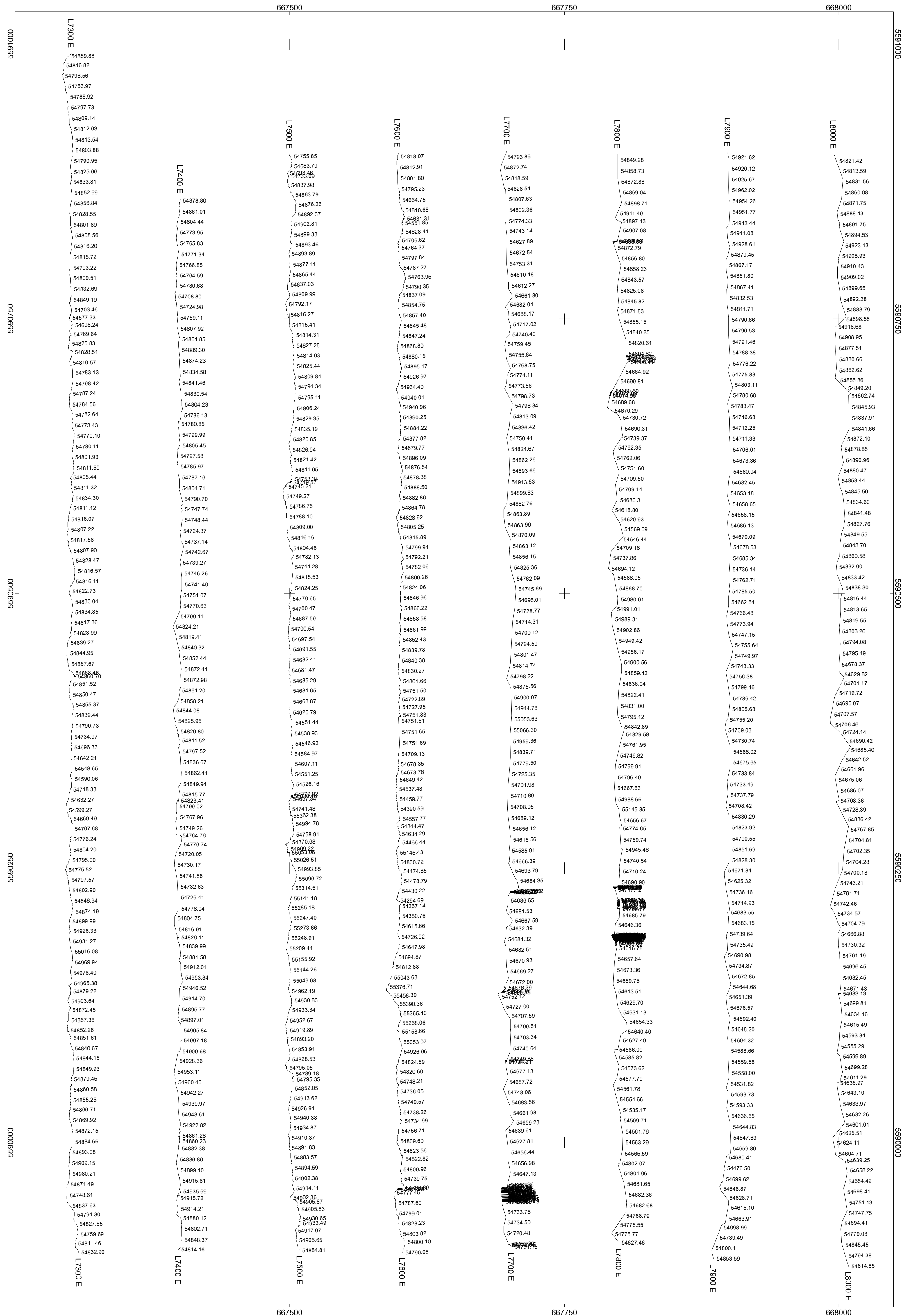
Title Number	Claim Name	Owner No.	Owner Name	Issue Date	Good To Date	Area (ha)
392163	SED	280282 (100%)	0921047	2002/FEB/17	2017/JUN/26	500.0
1029696		280282 (100%)	0921	2014/JUL/18	2017/JUN/26	514.6567



BALTO RESOURCES LTD.
CLAIM AND LINE LOCATION MAP
SED PROPERTY, LOGAN LAKE AREA, BRITISH COLUMBIA JANUARY 2017
PETER E. WALCOTT & ASSOCIATES LIMITED



BALTO RESOURCES LIMITED
GROUND MAGNETIC SURVEY
CONTOURS OF TOTAL FIELD INTENSITY
 SED PROPERTY,
 LOGAN LAKE AREA, BRITISH COLUMBIA
 JANUARY 2017
PETER E. WALCOTT & ASSOCIATES LIMITED



BALTO RESOURCES LIMITED
GROUND MAGNETIC SURVEY
POSTED TMI (nT)
 SED PROPERTY,
 LOGAN LAKE AREA, BRITISH COLUMBIA
 JANUARY 2017
PETER E. WALCOTT & ASSOCIATES LIMITED