BRITISH COLUMBIA
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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)]: Geological, Geochemical

TOTAL COST: 10, 470.90

AUTHOR(S): Roger MacDonald **SIGNATURE(S):**

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-4-660 **YEAR OF WORK:** 2016

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): SOW# 5642288, 2016/SEP/14 to 2016/Sep/20

PROPERTY NAME: Bluff

CLAIM NAME(S) (on which the work was done): Bluff, Bluff11 and Cow1

COMMODITIES SOUGHT: Au, Cu, Mo, Ag, Zn,

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Au, Cu, Mo, Ag, Zn, Pb **NTS/BCGS:** BCGS 092 N 77

LATITUDE: 51 ° 45 ' 13 " **LONGITUDE:** 124 ° 40 ' 42 " **(at centre of work)**

OWNER(S):
1) Susan Elizabeth Rolston 2)

MAILING ADDRESS:
P.O.Box 4116, Williams Lake, BC, V2G 2V2, Canada

OPERATOR(S) [who paid for the work]:
1) Susan Elizabeth Rolston 2)

MAILING ADDRESS:
P.O.Box 4116, Williams Lake, BC, V2G 2V2, Canada

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Cretaceous volcanics, andesite, basalt, rhyolite flows. intruded by quartz feldspar porphyry, diorite and feldspar porphyry.
mineralization 1 - Cu/Au porphyry and qz/carb, fracture controlled veins 3km x 2.5km. 2 - qz, Pb, Zn, Ag veins 1km x 1km.
3 - Au, As Py in clay altered and silicified shear 200m x 400m. Major structures NNW x SSE and E x W

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 12422, 13780, 17080, 18036, 20860A,
20860B, 21967, 28547, 29526.

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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	1:5,000 scale, 31 hectares	Bluff and Bluff11	$4,438.50
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil	33 samples analysed for 51 elements		$6,032.40
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:	$10, 470.90

TCHAIKAZAN RESOURCES INC.

Box 32, Tatla Lake, British Columbia, Canada
V0L 1V0
Ph: 250 476 1218

BLUFF PROPERTY
Bluff, Bluff11
and Cow1 Claims

Clinton Mining Division
BCGS 092 N 77

Lat 51° 45' 13" N Long 124° 45' 13" W

ASSESSMENT REPORT on the GEOLOGICAL and SOIL GEOCHEMICAL PROGRAM

September 14 to September 20, 2016

By

Roger MacDonald, P.Geo.
8191 River Road
Richmond, BC, Canada
V6X 1CX8

June 16, 2017

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1.0 Summary

The Bluff Property of Tchikazan Resources Inc. is situated about 22 km south of the village of Tatla Lake BC which is on British Columbia Highway 20 about 240 km west of Williams Lake BC. The property is located on BCGS map 092N 077 and consists of Tenures 1012223, 1012228, 541943, 1013712, 547801, 1017460, 848082, 848734, 1019192, 984009, 983993, 1019282, 1019280, 1034569, 1034920, 1030568 and 1034921 owned 100% by Susan Elizabeth Rolston. The property is centered approximately on Latitude 51° 45' 25" N Longitude 124° 41' 04" W.

The Bluff claim block has an exploration history dating back to the 1940's when precious metal veins were discovered on Butler Mountain. The ground was worked for its copper/moly/gold potential by several operators from the 1960's through to the present.

The Bluff Property was staked as a result of prospecting activity by the local landowner during the course of an earlier exploration program by Newmac Resources Inc. on the adjacent property. Sue and Les Rolston own a small local ranch and have provided room, board and logistical assistance to Newmac Resources during the course of previous exploration programs. Mrs. Rolston developed a keen interest in prospecting and had located a single specimen exhibiting malachite and tourmaline mineralization. With encouragement from a Mincord Exploration Consultant she continued her exploration and delineated a broad tourmaline/chalcopyrite zone with occasional spectacular copper carbonate coated cliff faces. When the extent and limits of the mineralization became clearer, claims were staked and a property agreement was struck between Susan Rolston and Newmac.

Late in 2006, a geophysical survey (mag. and IP), was completed by Alan Scott Geophysics on the newly staked Bluff claims. Based on the results of this survey, a diamond drilling program was executed, in two phases, between February 14, 2007 and May 23, 2007. The results of that drilling program were inconclusive. However un-split core still racked on site displays varying degrees of copper mineralization.

Subsequent to the 2007 drill program, surrounding Newmac claims were inadvertently allowed to lapse. As claims became available, Sue Rolston acquired them to reconstitute the land holdings package. Work comprised prospecting and geochemical rock sampling over the core Bluff claims and the newly acquired claims.

In 2012, Susan Rolston formed Tchaikazan Resources Ltd. to manage the expanding land holdings. Work since that time, has been undertaken on behalf of the company.

The 2012 geochemical program consisted of rock sampling on three areas of the Bluff claim block. Notable samples were taken below the Bluff Lake road in the area of Painted Bluff showing. Samples Blu1, Blu2 and Blu3 returned copper values of 3190ppm, 2330ppm and 6250ppm respectively. Sample Blu1 also ran 2.02g/t Au, 2260ppm As and 889ppm Zn. Eight of twelve samples located in the area of the Bornite showing were anomalous in copper.

The 2013 work program comprised geochemical sampling of 22 rocks , 86 drill core intervals and six soils from various locations on the Bluff claims and the newly acquired land package. Assays returned from BL 08-07indicate two broad zones of anomalous copper values: 21.95m @ 221.0ppm Cu from 136.2m to 158.1m and 40.2m @ 146.5ppm Cu from 170.2m to 210.4m. Sample Cow2-107, float located directly beneath a gossanous outcrop on the western bank of , returned assays of 2.01gpt Au, 1070gpt Ag, 5.02% Pb and 5.25% Zn, may indicate the westerly extension of the Cow Vein system. In addition, 7.0 kilometres of trail was GPS surveyed for the purpose of determining the condition of the trails and extent of access they would provide to the north and eastern claims.

The 2014 work program comprised geochemical sampling of 27 rocks and five C-horizon soils from the Butler Lake area, Bornite Zone and Noranda Pits. In addition, 7.0 kilometres of trail was cleared to accommodate ATV access to the north and eastern portions of the claims. In early spring, a compilation of all available historic data was performed. Continued prospecting and geochemical rock sampling is recommended west of Butler Lake and the east fork of Butler Creek upstream of the confluence of East and West Butler Creeks. One diamond drill hole is recommended to test the coincident copper and I.P. anomalies in the area of the Noranda Pits.

The August 2015 work program included prospecting in the West Butler Creek area just upstream from the confluence of East and West Butler Creeks. In addition, a review of mineralized structures in the “Pretty Pile” area, the Painted Bluffs and the Slide area was undertaken to more accurately locate and orient the local copper/gold and molybdenum mineralization. The Pie Grid was established with the cutting of 8.3 kilometres of gridline and trail in preparation for I.P. and Mag surveys that later defined a moderate chargeability/resistivity anomaly. The newly acquired Math claim was prospected and two rock samples were sent for assay. Two rock sample locations in the vicinity of West Butler Creek were resurveyed using GPS for the purpose of incorporating into the Tchaikazan assessment report titled “Assessment Report on the Rock Geochemistry and Geological Program” (MacDonald, R.C., 2015).

The 2016 geochemical program produced a coincident Cu/As/Sb geochemical anomaly over the geophysical anomaly defined in the 2015 program. Mapping along the Hayfield bluff indicate a possible mineralized system in the vicinity of the Painted Bluff copper showing and diamond drill hole BL07-08. A 1,500m diamond drill program is recommended to test targets defined in this and previous reports at an estimated cost of $272,200.00.

The Bluff Property holds potential for mineralization similar to the Fish Lake (Prosperity) Cu/Au deposit located some 70km to the East; The Skinner Mountain lode Ag/Au veins, 18km east and the Blackhorn Mountain lode Au/Ag veins 20km to the south.

2.0 Location and Access

The property is located on BCGS mapsheet 092 N 077 and centered on Lat 51° 45' 54" N Long 124° 39' 36" W. The Bluff property is situated in the Clinton Mining Division approximately 250 km west of Williams Lake BC. There is good all weather paved road access from Williams Lake west on Highway 20 to Tatla Lake. About one kilometre before reaching the village of Tatla Lake, is the Bluff Lake turnoff. Travel south on good all weather gravel road about four kilometres to the Bluff Lake road (exit west) and follow for 19.6 km to the Rolston Ranch access road. Beyond the Ranch, access is difficult and gained only by ATV, foot or helicopter. Local helicopter service is provided by White Saddle Air Services at the south end of Bluff Lake.

3.0 Claims

The Bluff Property comprises seventeen claims totalling 171 units, covering 3,422.25 hectares. The claims are owned 100% by Susan Elizabeth Rolston.

Claim Name	Title Number	Units	Area/ha	Issue Date	Good To Date
BLUFF	541943	37	740.39	2006/sep/25	2019/apr/24
HORNE	547801	10	200.02	2006/dec/21	2018/may/09
BLUFF11	848082	8	160.10	2011/mar/04	2018/mar/24
BLUFF 112	848734	3	60.04	2011/mar/12	2018/mar/22
BORNITE	983993	12	240.10	2012/may/05	2018/may/05
EXT	984009	5	100.02	2012/may/05	2018/may/05
BUTT2	1012223	9	180.13	2012/aug/24	2018/may/24
BUTT 1	1012228	13	260.16	2012/aug/24	2018/may/24
SOUTH BUTLER	1013712	17	340.32	2012/oct/13	2018/apr/05
BLAKE	1017460	6	120.14	2013/mar/03	2018/mar/23
BUTTS2	1019192	12	240.21	2013/may/03	2018/may/03
COW2	1019280	9	180.13	2013/may/06	2017/may/06
COW 1	1019282	13	260.11	2013/may/06	2017/may/06
BLAKE2	1030586	5	100.11	2014/aug/27	2017/mar/24
NEWMAC	1034569	2	40.04	2015/mar/04	2017/mar/24
BLAKE S	1034920	6	120.15	2015/mar/23	2017/mar/23
MATHEX	1034921	4	80.08	2015/mar/23	2017/mar/23

Table 1 – Claim Status

TCHAIKAZAN RESOURCES INC.

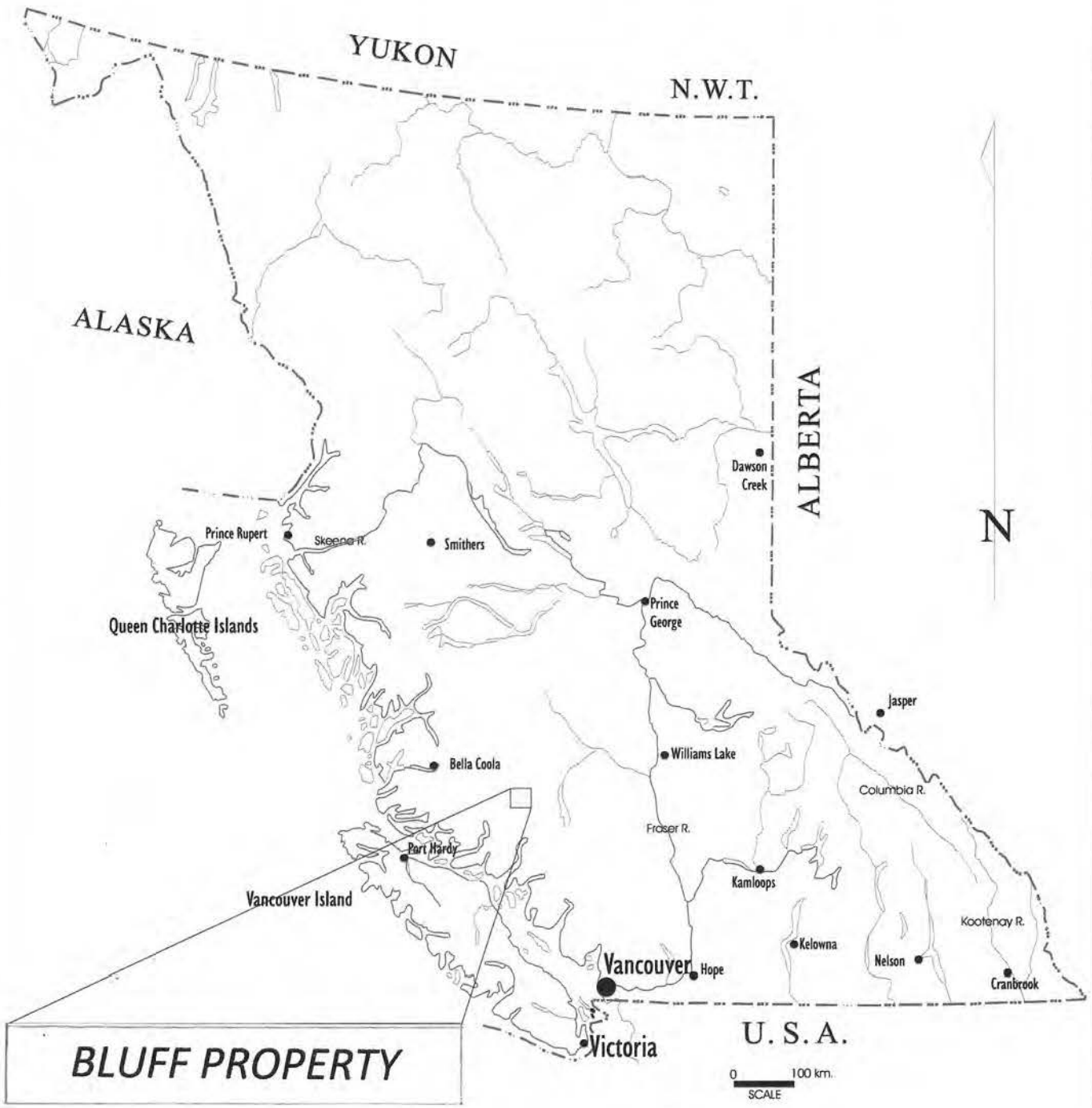
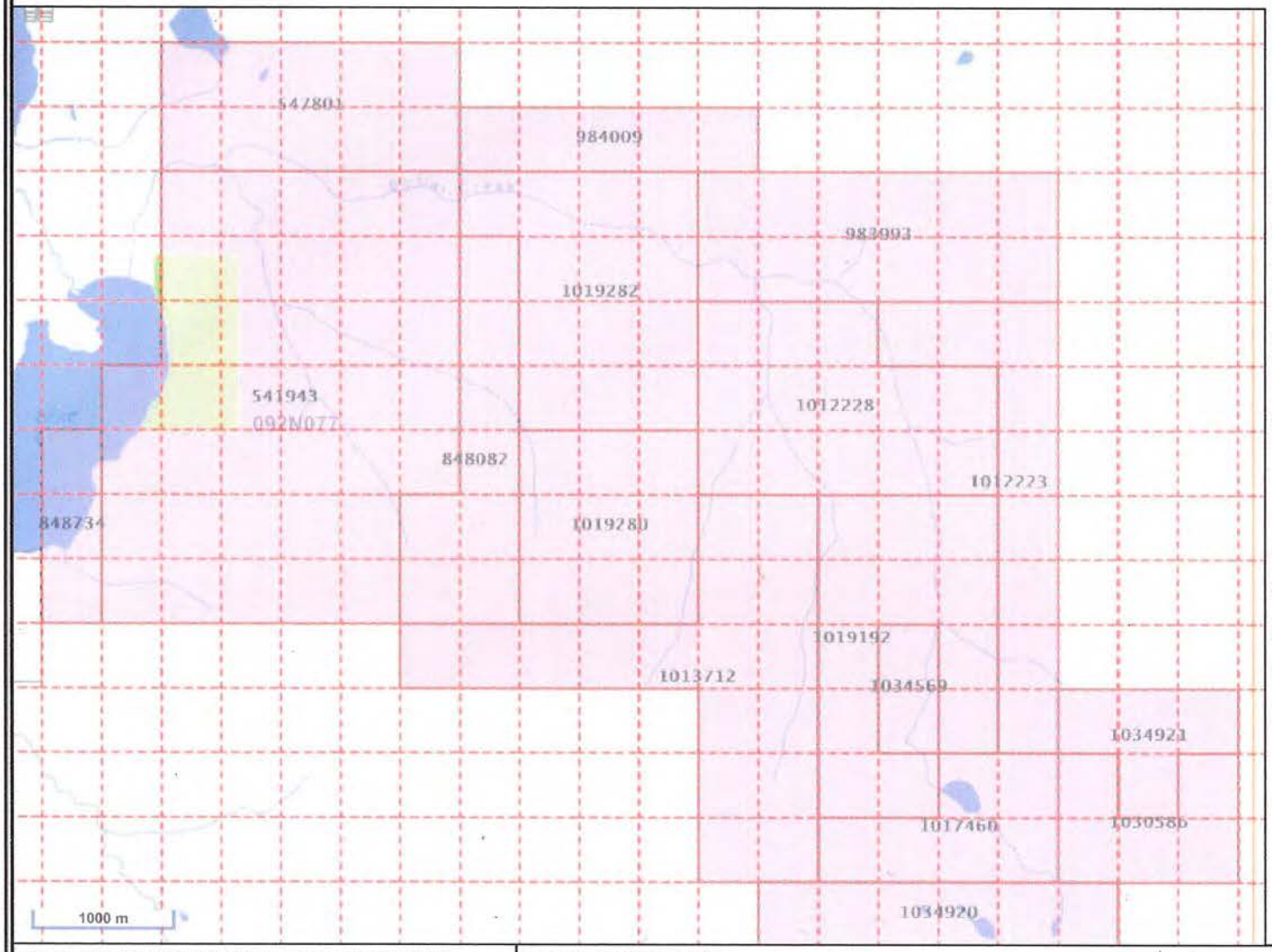


FIGURE 1

LOCATION MAP OF BRITISH COLUMBIA

Bluff Claim Block



Legend

Mineral Titles (MTO)

MTO Grid

Title (current)

LEASE

CLAIM

Reserves

No Registration

Conditional

Heritage/Historic Site

Crown Land Layers (Tantalis)

Land Act Survey Parcels - Tantalis - Legal Descriptions

Label Text

Land Act Survey Parcels - Tantalis - Outlined

Administrative Boundaries

Federal Transfer Lands - Outlined

Federal Transfer Lands - Colour Filled

National Parks - Outlined

National Park

Labels

Labels

National Parks - Colour Filled

Conservancy Areas - Tantalis - Colour Filled

Ecological Reserves - Tantalis - Colour Filled

Protected Areas - Tantalis - Colour Filled

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.
THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Figure 2 - Bluff Claims Map.

Center: 51°44'49", -124°39'51"
Scale: 1 : 67,710
SRS: EPSG:3857
UTM Zone: 10

N

4.0 Physiography and Local Infrastructure

In the vicinity of the property, approaching Bluff Lake, the mountains of the coast range rise dramatically from the generally rolling terrain of the western Chilcotin Plateau. The small relatively shallow ponds and lakes or long sinuous lakes occupying old river beds and valleys of the plateau give way to larger, deeper lakes within ice scoured valleys within a relatively short distance south, from Bluff Lake the highest peaks (in excess of 4000 m) in the coast range are found, with attendant ice fields, numerous valley Glaciers, and related terrain.

The property receives on average, less than one metre of snow annually and is generally snow free from mid-April to mid to late November. With exceptions of the more precipitous and extreme elevations, the property can be worked in all seasons.

The property is extensively covered with glacial overburden consisting of basal and ablation tills and glacio-fluvial deposits, except where slopes are steeper, this includes almost all of the more easily accessible portions of the property. The overburden varies in thickness and reaches more than 100m thick. Outcropping bedrock is nonexistent on the lower and gentler slopes.

Vegetation in the area consists of mainly coniferous forest with local patches of deciduous poplar or aspen. Locally, but not in the work area, there has been clear cut logging and corresponding new roads since the 1980's with earlier re-grown cut blocks evident. In recent decades there has been an endemic infestation of the mountain pine beetle that has affected a vast area of central BC including the Bluff Property.

The settlement of Tatla Lake is on highway 20 near the height of land between Tatla Lake of the Fraser-Chilcotin drainage basin and the coastal drainage of the Mosley Creek-Homathko River and Klinaklini River systems, which drains into Bute Inlet.

Tatla Lake offers basic services: fuel, lodging, meals, a general store and post office. There is also a local health nurse and first aid station. Most supplies must come from Williams Lake, about 220 Km to the east. Freight and transportation services along Highway 20 are very good with generally next day delivery of goods from Williams Lake possible.

5.0 History and Previous Work

Previous to the 1960's and possibly into the 1940's precious metal veins were discovered on "Butler Mountain". The knowledge that there was precious metal potential on Buffer Mountain is supported by the fact that the Butlers, owners of the cattle ranch on the lower reaches of Butler Creek, had panned small amounts of gold and recovered at least one "pea sized" nugget from Butter Creek. The Butlers seasonally grazed cattle in the alpine meadows and herded their cattle to higher

open range on a cow and horse trail that crossed clay altered and gossanous exposures below the Macdonald (Cow trail) veins.

Sometime in the 1960's American Air Force personnel based at Puntzi Lake, became knowledgeable about the precious metal veins on the flank of Butler Mountain and placed claim posts following American federal staking laws. It is doubtful whether these claims were actually recorded in British Columbia.

In 1966, Puntzi Lake Resident, A. McDonald staked the St.Teresa Claims to cover the veins. Sometime after 1966 and for the better part of fifteen years, MacDonald laboured with a small bulldozer to build a pickup truck road to the veins. MacDonald reached the veins about 1982, and died shortly thereafter. The Title to the St.Teresa claim was transferred to his nephew Don Rose.

During the early 1970's, Noranda Exploration Company Limited staked claims in the Butler Lake area after regional sampling indicated anomalous values for copper, moly and gold. Noranda completed geological, geophysical (IP) and geochemical (soil) programs.

In 1983, J.W. Morton travelled up the MacDonald road to investigate a set of quartz veins exposed in three hand trenches. Imperial Metals subsequently optioned the claims from Don Rose and staked additional claims. Soil grid sampling and bulldozer trenching in 1984 yielded assays up to 2.6-oz/ton gold and 20.5 oz/ton silver from trench rubble. Imperial Metals drilled two holes from 1 set up on the vein structure before cold weather ended the program.

In 1984, Ryan Exploration, a subsidiary of US Borax located a significant metal anomaly on the main channel of Butler Creek and staked the area of Butler Lake and the early Noranda discoveries. The claims lapsed in 1987.

In 1987 Canavex Resources Limited purchased the St Teresa claim from Don Rose and staked the Newmac (an acronym for New MacDonald) claims around them. The property was optioned to Jaqueline Gold Corp. that same year. Subsequent work revealed porphyry style mineralization and alteration in Butler Creek bed.

In 1988 Jaqueline Gold expanded their grid and completed an IP survey preparatory to drilling two diamond drill holes later that year. The second drill hole intersected 157m grading 0.18% copper including 17m grading 0.13%Copper and 340 ppb gold. Jaqueline subsequently returned the property to Canavex.

In 1989, Canavex optioned the property to Noranda (their second involvement with the property). They competed 30km of IP survey, 37 km of ground Mag Survey, analysed 1203 soil samples, 158 rock samples, and completed 435 line miles of helicopter airborne geophysical survey. In 1991 Noranda completed 1939 m of diamond drilling in seven holes before returning the property.

In 1998, the Newmac Property was optioned to Ascot Resources Ltd. Ascot completed an additional 4 holes (875m.) The Ascot program while failing to identify economic mineralization, did establish that the porphyry system was potentially a very large deposit.

In 2004, Newmac Resources Inc. acquired the claims from Canavex and conducted 17.8km of IP and mag surveys along the Macdonald road ("C" grid) where altered and pyritic rocks had been noted. In 2006, Newmac completed a total of 6 widely spaced drill holes for a total of 1130.4 m. The widely spaced drilling failed to refine or direct the exploration beyond the knowledge base already at hand.

During 2004 to 2005, while Mincord Exploration Consultants crews were staying with the Rolstons, Mrs. Rolston had shown them rocks and samples she had collected from nearby outcrops on and adjacent to their ranch. She was encouraged to do more prospecting and sampling, which eventually resulted in the staking of the Bluff claims. The Bluff Claims contained widespread tourmalinized, fractured and brecciated volcanic rocks with occasional chalky (intrusive?) clasts and common to locally abundant chalcopyrite, pyrite & bornite. The rocks were primarily located near the base of Butler Mtn. East of Bluff Lake. The obvious potential of the Bluff claims became increasingly apparent as Mrs. Rolston did more sampling.

An option agreement for the claims was concluded and late in 2006, geophysical surveys totalling 28.2 km of IP & mag were completed by Alan Scot, Geophysicist. The geophysical program delineated several targets to be followed up by diamond drilling. In early 2007, a diamond drilling program was initiated which completed 2389.4 m of NQ coring. Results of that program were inconclusive. Drill core was not systematically sampled and that core which was assayed did not return any significant results. However, un-split core stored on site at the Rolston Ranch shows varying degrees of copper mineralization.

Subsequent to the 2007 drill program, surrounding Newmac claims were inadvertently allowed to lapse. As claims became available, Susan Rolston acquired them to reconstitute the land holdings package. Work comprised prospecting and geochemical rock sampling over the core Bluff claims and the newly acquired claims.

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The August 2015 work program included prospecting in the West Butler Creek area just upstream from the confluence of East and West Butler Creeks. Fifteen samples, six grabs and nine chips, were collected for assay from gossanous outcrops exposed along the deeply incised cliff faces bounding West Butler Creek. In addition, a review of mineralized structures in the "Pretty Pile" area, the Painted Bluffs and the Slide area was undertaken to more accurately locate and orient the local copper/gold and molybdenum mineralization. In October 8.3 kilometres of gridline and trail were cut in preparation for I.P. and Mag surveys. The newly acquired Math claim was prospected and two rock samples were sent for assay. Two rock sample locations in the vicinity of West Butler Creek were resurveyed using GPS for the purpose of incorporating into the Tchaikazan assessment report titled "Assessment Report on the Rock Geochemistry and Geological Program" (MacDonald, R.C., 2015).

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6.0 Geology

6.1 Regional Setting

The Bluff claims are located along the southwestern margin of the "Tyaughton Trough", a late Jurassic depositional basin that, in this area, is predominantly filled with Lower Cretaceous volcanic and sedimentary rocks. The Tyaughton Trough in the vicinity of the Bluff Claims is a structural block bounded by two significant breaks:

- The Yalakom Fault is a right lateral transcurrent fault striking west northwest with 130 to 190 km of offset and forms the north bounding structure of the basin.
- The Tchaikazan Fault is also a right lateral, west-northwest trending transcurrent fault, with an estimated offset of 32 km and forms the southern bounding structure.

The Tyaughton Basin collectively represents a defining feature of the Cordillera, which separates the Coast Mountains and Coast Plutonic Complex to the southwest from the Chilcotin Plateau in the Intermontane Belt to the northeast. A third and essentially parallel fault, The Niut Fault, runs through Butler Mountain.

6.2 Local Geology

Rock outcropping around the Bluff Property is restricted to the bluffs overlooking Bluff Lake, the slopes of Butter Mountain and to the north, beyond Butler Creek, the upland sides of the valley. The ridge on the western side of the claims overlooking Bluff Lake and backing onto the Rolston Ranch is composed of medium to dark green chloritic andesite , moderately hard, with traces of pyrite, and minor epidote alteration.

As the ridge ascends towards Butler Mountain a hard, medium grey-green andesite with pale, diffuse white feldspar phenocrysts becomes common. This rock has been described elsewhere as "Hornfels". North of Butter Creek, on the valley flanks dark green chloritic andesite is common. It may have quartz and carbonate veining with minor epidote. Higher on the slopes north of Butler Creek and east of Horne Lake, outcropping of the Miocene Chilcotin Basalt is evident. The prominent hay meadow gently sloping from the ranch to the beaver ponds appears to be underlain by sequences of tills and gravels in excess of 100 m thick.

The section underlying claims to the east and north of the Bluff claims includes siltstones, greywackes, conglomerates and volcanic breccias and tuffs. Within this area, Upper Cretaceous to Tertiary diorite, quartz diorite, monzonite and quartz feldspar porphyry stocks and dykes have intruded the volcanic and sedimentary package. A thin layer of vesicular basalt, possibly representative of the Miocene aged Chilcotin plateau basalt, outcrops on the cliff top above Butler Lake and is likely the youngest unit within the project area. In and around Butler Lake and the upper reaches of Butler Creek, the volcanic and sedimentary rocks have been extensively hornfelsed.

The most common intrusive type in the Butler Lake area is quartz feldspar porphyry. Extensive sections of intrusive breccia (quartz-feldspar porphyry and diorite) have been intersected in drill holes on the east side of Butler Creek.

Pyrite, pyrrhotite, chalcopyrite, bornite and molybdenite (and occasionally arsenopyrite) have variably mineralized both the intrusive rocks and the hornfelsed volcanics and sediments. In the Cow Trail Vein area, gold and silver bearing quartz veins and quartz-sulphide stockworks have developed, possibly as distal features to the porphyry mineralization.

7.0 Work Program

The September 2016 work program comprised mapping along the "Hayfield Bluffs" and the "Pie Grid" in an effort to characterise the geology with respect to a genetic model. A soil geochemistry grid was established on the Pie Grid covering two chargeability anomalies defined in the 2015 work program.

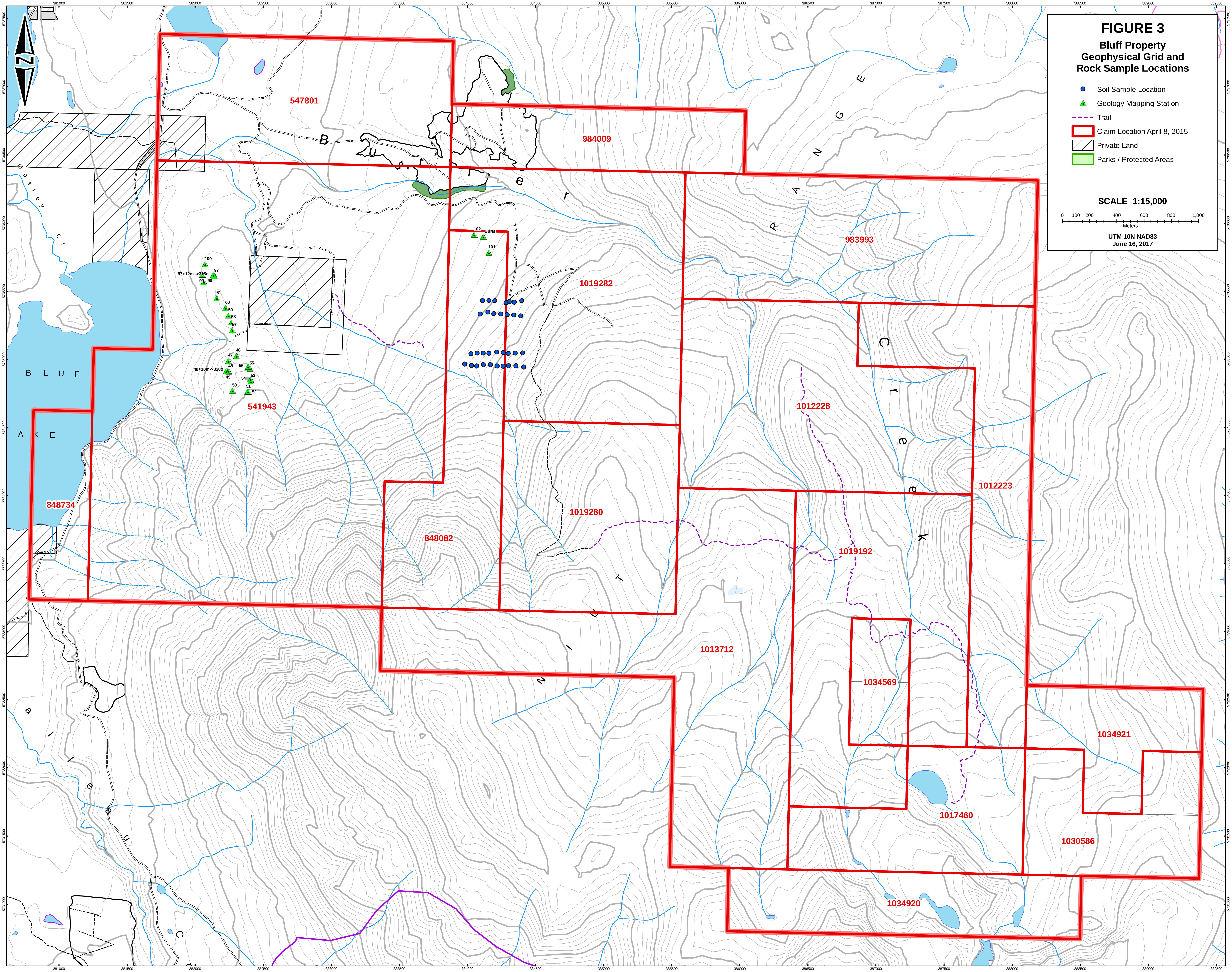


FIGURE 3
Bluff Property
Geophysical Grid and
Rock Sample Locations
Soil Sample Location
Geology Mapping Station
Trail
Claim Location April 8, 2015
Private Land
Parks / Protected Areas
SCALE 1:15,000
0 100 200 400 600 800 1,000
Meters
UTM 10N NAD83
June 16, 2017
547801
984009
983993
1019282
541943
1012228
1012223
848734
848082
1019280
1019192
1013712
1034569
1034921
1017460
1030586
1034920
BLUFF LAKE
Butler Range
Creek

7.1 Geochemical Soil Sampling

On September 16 through September 18 geologist Roger MacDonald performed a geochemical survey, on existing grid, over two chargeability/resistivity anomalies defined in the 2015 geophysical program. Prospector, Sue Rolston assisted on September 16. Thirty three samples were taken on four line totalling 1450 metres. Samples consisted of approximately 300 to 500 grams of B horizon soil taken using a mattock or stainless steel hand spade. They were then described, assigned location ID's and bagged into standard Kraft paper soil bags and transported to camp. Stations were located using a Garmin 62S GPS. Samples were batched then transported by truck to ALS Laboratories in Kamloops BC. Analyses were performed for 51 elements using industry standard ICP- atomic emission spectroscopy and mass spectrometry techniques, plus ICP - mass spectrometry and atomic absorption finish for gold. Observations and selected assays are recorded in Table 2 and represented in Figures 5 through 8. Analytical techniques and results are attached in Appendix I.

SampNo	UTM Zone	UTM Easting	UTM Northing	Type	Horizon	Colour	Slope	Depth/cm	Ag/ppm	Au/ppb	Cu/ppm	Mo/ppm	Pb/ppm	Zn/ppm	As/ppm	Sb/ppm
132N 6700E	10U	384026	5735039	soil	B	yel/brn	moderate	30	0.09	0.2	33.4	0.98	4.4	55	10	0.33
132N 6750E	10U	384072	5735044	soil	B	lt brn	moderate	30	0.07	0.2	17.6	0.62	3.9	145	6.9	0.17
132N 6800E	10U	384117	5735045	soil	B	lt brn	moderate	35	0.16	0.4	17.9	0.7	3.1	98	5.1	0.15
132N 6850E	10U	384159	5735043	soil	B	red/brn	moderate	20	0.13	0.2	18.3	1.18	6.9	58	12.7	0.24
132N 6900E	10U	384214	5735052	soil	B	yel/brn	steep	30	0.08	0.5	40.6	1.08	6	55	13.6	0.51
132N 6950E	10U	384263	5735048	soil	B	yel/brn	steep	30	0.08	0.1	19.4	1.44	4.9	188	9.4	0.25
132N 7000E	10U	384299	5735042	soil	B	red/brn	steep	10	0.07	0.3	26.3	1.24	7.5	76	15	0.33
132N 7050E	10U	384351	5735045	soil	B	yel/brn	steep	20	0.06	0.3	25.7	1.2	7.3	110	11.8	0.37
132N 7100E	10U	384406	5735046	soil	B	lt yel/brn	steep	50	0.09	11.0	35.8	1.63	9.7	70	18.9	0.65
131N 6650E	10U	383979	5734965	soil	B	yel/brn	moderate	25	0.12	0.1	28.6	0.67	3.9	67	6.7	0.19
131N 6700E	10U	384030	5734955	soil	B	lt brn	moderate	20	0.12	0.1	29	0.85	3.7	60	8.3	0.21
131N 6750E	10U	384068	5734950	soil	B	lt brn	moderate	20	0.11	0.2	31.6	0.94	4.9	55	9.4	0.32
131N 6800E	10U	384118	5734960	soil	B	v lt brn	moderate	20	0.13	0.2	21.1	1.07	6.3	93	10.7	0.37
131N 6850E	10U	384169	5734960	soil	B	med brn	moderate	20	0.10	0.1	26.6	1.03	5.9	86	9.9	0.37
131N 6900E	10U	384218	5734951	soil	B	yel/brn	moderate	20	0.05	0.2	28.1	1.11	6.2	62	10	0.39
131N 6950E	10U	384263	5734949	soil	B	lt brn	moderate	20	0.07	0.3	22.4	1.11	6.8	61	10.8	0.42
131N 7000E	10U	384302	5734952	soil	B	red/brn	moderate	15	0.12	0.3	21.9	1.26	7.8	71	12.2	0.44
131N 7050E	10U	384357	5734952	soil	B	yel/brn	steep	20	0.07	0.2	30	1.46	7	60	20.1	0.54
131N 7100E	10U	384412	5734943	soil	B	lt brn	steep	20	0.56	0.3	29.7	1.79	8.8	58	20	0.75
136N 6800E	10U	384112	5735430	soil	B	grey/brn	moderate	20	0.04	0.2	12.8	1.37	5.9	43	6.6	0.36
136N 6850E	10U	384159	5735431	soil	B	lt brn	moderate	40	0.08	0.1	10.8	0.56	3.8	76	3.9	0.19
136N 6900E	10U	384202	5735429	soil	B	red/brn	moderate	35	0.11	0.3	22.3	0.78	4.2	86	12.1	0.31
136N 6950E	10U	384284	5735416	soil	B	red/brn	moderate	30	0.08	0.1	33.2	2.22	10.7	86	23.6	0.73
136N 7000E	10U	384308	5735423	soil	B	grey/brn	moderate	30	0.17	0.7	22.4	1.01	9.8	191	12.1	0.44
136N 7050E	10U	384344	5735419	soil	B	med brn	moderate	15	0.09	0.7	66.7	2.44	11	70	22.8	0.75
136N 7100E	10U	384400	5735430	soil	B	med brn	moderate	20	0.04	0.3	19.4	1.16	9.1	70	15.4	0.49
135N 6800E	10U	384094	5735331	soil	B	yel/brn	moderate	40	0.06	0.2	21.3	0.69	5.1	40	7.4	0.34
135N 6850E	10U	384151	5735346	soil	B	med brn	moderate	60	0.10	0.2	15.3	0.39	4.7	291	4.9	0.23
135N 6900E	10U	384194	5735334	soil	B	med brn	moderate	40	0.17	0.2	8.2	0.56	5	522	3.3	0.23
135N 6950E	10U	384245	5735332	soil	B	red/brn	moderate	20	0.10	11.0	26.6	1.38	7.9	106	18.5	0.6
135N 7000E	10U	384292	5735326	soil	B	red/brn	moderate	20	0.07	0.3	20.5	1.48	8.7	221	16.1	0.4
135N 7050E	10U	384340	5735324	soil	B	lt brn	moderate	15	0.11	0.1	27.4	1.65	12.2	316	22.9	0.76
135N 7100E	10U	384392	5735318	soil	B	red/brn	moderate	15	0.11	0.2	43.6	2.51	15.1	68	30.1	0.96

Table 2 – Soil Sample Assays

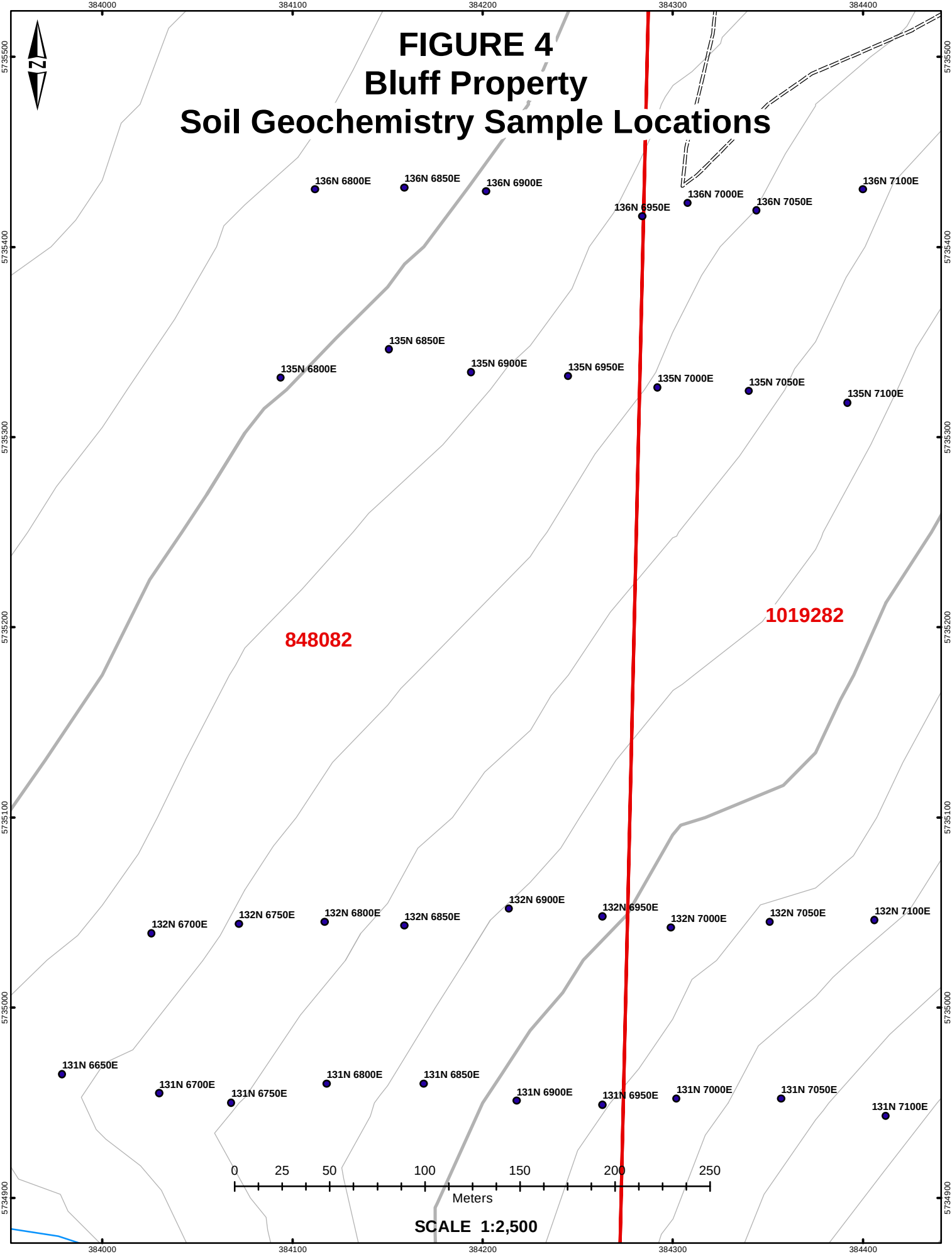
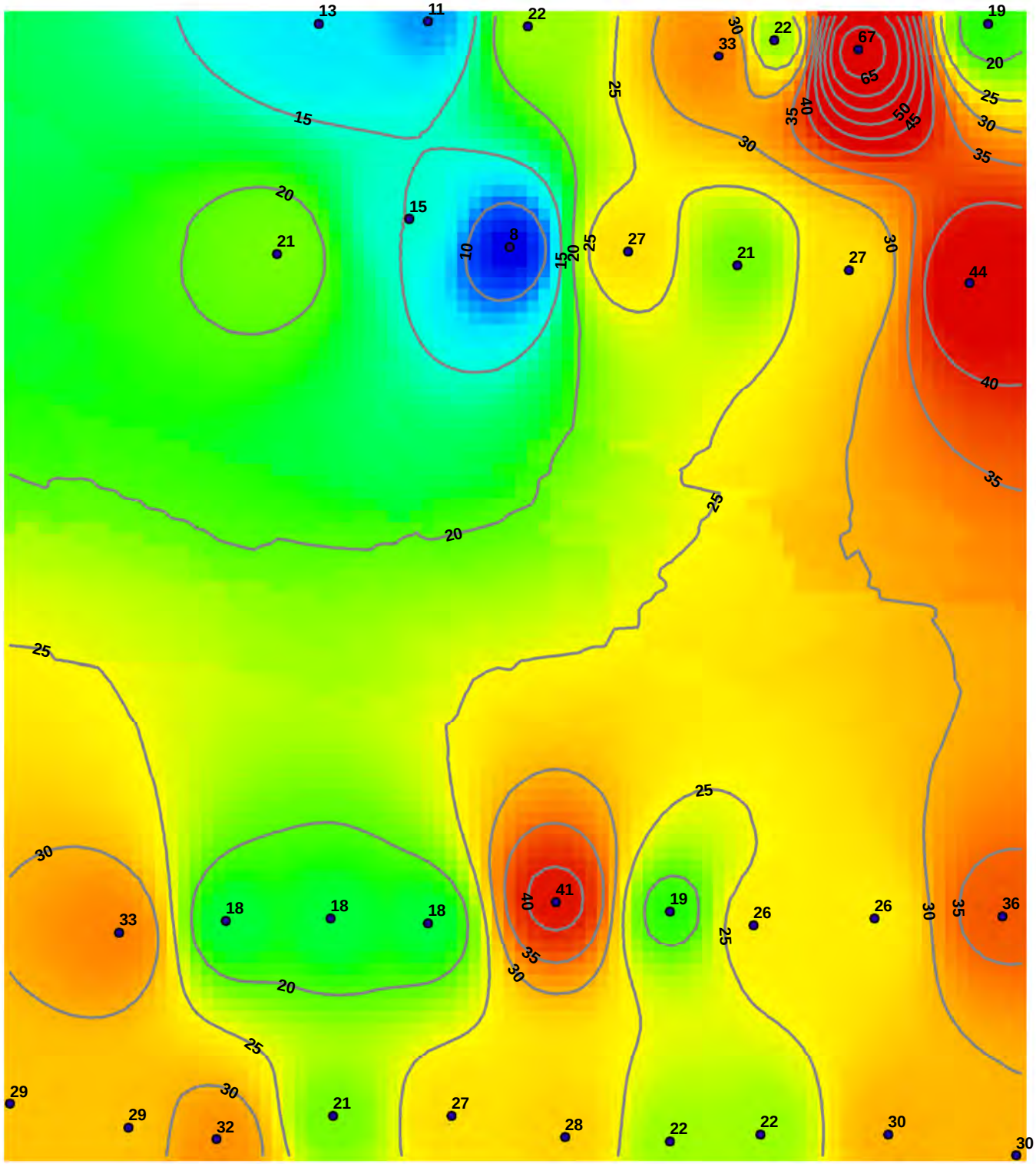


FIGURE 4
Bluff Property
Soil Geochemistry Sample Locations
N
384000
384100
384200
384300
384400
5735500
5735400
5735300
5735200
5735100
5735000
5734900
136N 6800E
136N 6850E
136N 6900E
136N 6950E
136N 7000E
136N 7050E
136N 7100E
135N 6800E
135N 6850E
135N 6900E
135N 6950E
135N 7000E
135N 7050E
135N 7100E
848082
1019282
132N 6700E
132N 6750E
132N 6800E
132N 6850E
132N 6900E
132N 6950E
132N 7000E
132N 7050E
132N 7100E
131N 6650E
131N 6700E
131N 6750E
131N 6800E
131N 6850E
131N 6900E
131N 6950E
131N 7000E
131N 7050E
131N 7100E
0
25
50
100
150
200
250
Meters
SCALE 1:2,500

FIGURE 4
Bluff Property
Cu Soil Geochemistry in ppm

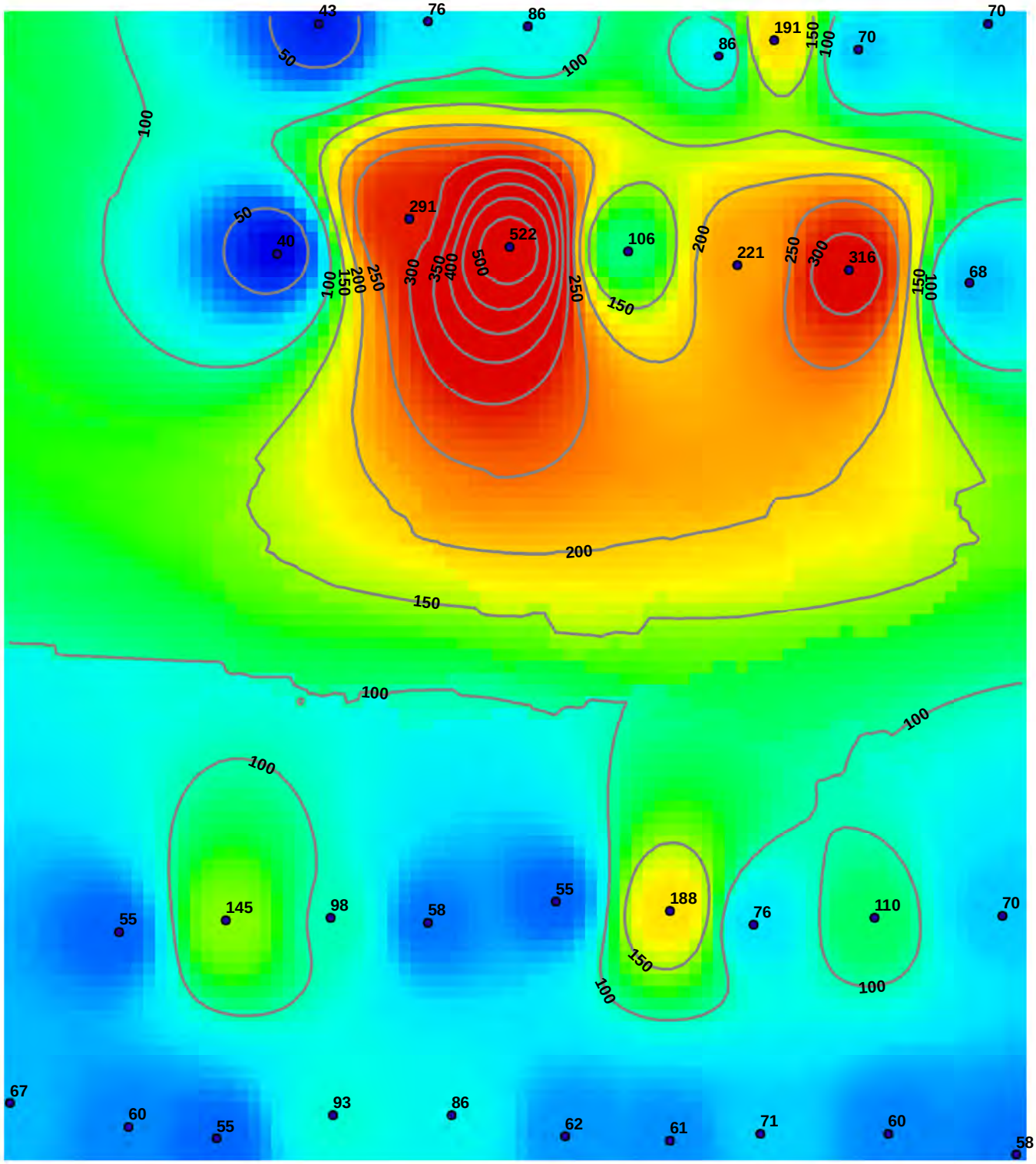


0 25 50 100 150 200 250

Meters

SCALE 1:2,500

FIGURE 5
Bluff Property
Zn Soil Geochemistry in ppm

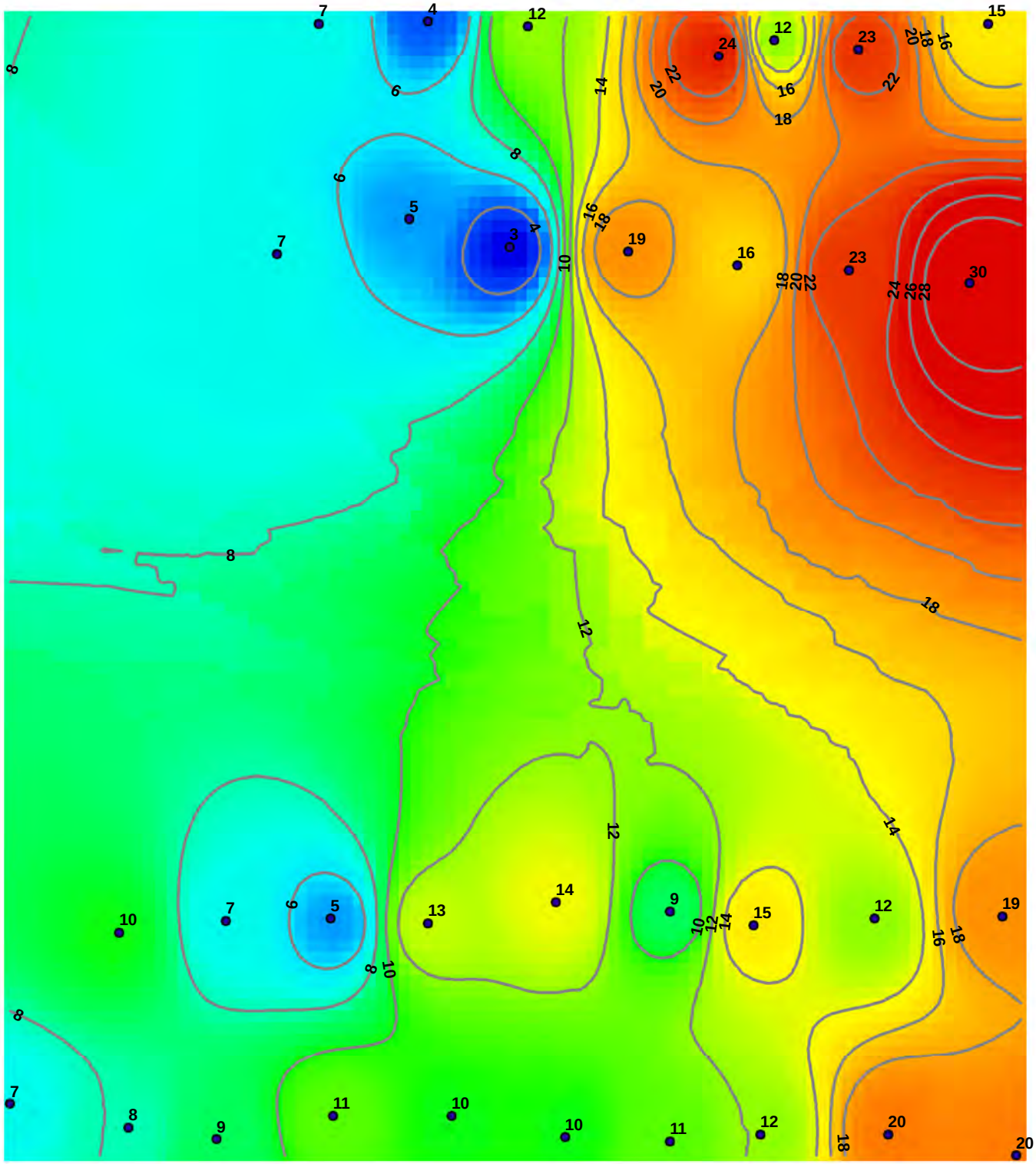


0 25 50 100 150 200 250

Meters

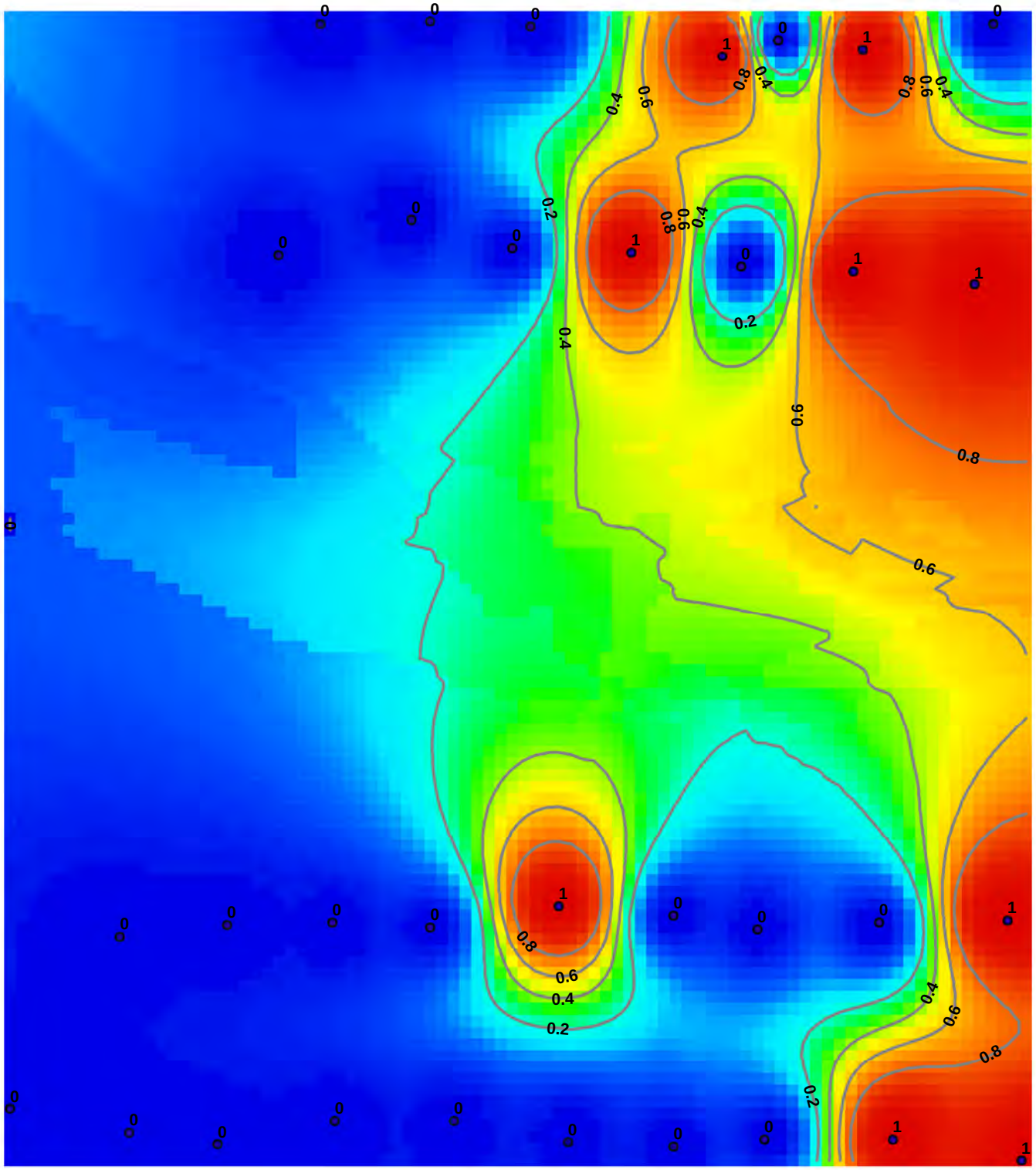
SCALE 1:2,500

FIGURE 6
Bluff Property
As Soil Geochemistry in ppm



SCALE 1:2,500

FIGURE 7
Bluff Property
Sb Soil Geochemistry in ppm



384000 384100 384200 384300 384400

5735500 5735400 5735300 5735200 5735100 5735000 5734900

0 25 50 100 150 200 250

Meters

SCALE 1:2,500

7.2 Geological Mapping

On September 15, 17 and 19, 2015, geologist Roger MacDonald examined hayfield bluffs located immediately west of the Rolston Ranch hayfield. Prospector Susan Rolston assisted on September 19. During the course of mapping, stations were located using a Garmin 62S GPS. The purpose of the examination was map rock type, structure and associated alteration as it relates to porphyry style mineralization. Observations are contained in Table 3 and represented in Figures 8 and 9.

GPS ID	UTM Zone	UTM E	UTM N	Description
46	10U	382300	5735026	S/OC. Med-drk green, fg-mg andesite xtl tuff
47	10U	382241	5734989	O/C. Tourmaline shear to 1.5m @ 104°/70° SW in andesitic xtl tuff with 10-15 bleached envelope. Tourm is vfg with local clots of milky qz to 2-3cm
48	10U	382244	5734910	O/C. Top of rock bluff trending 344°. Fg xtl tuff. Andesitic, locally luecocratic and bleached. Hand sample RM1601
48+10m->328°	10U	382238.7	5734918.4	O/C-SO/C. Tourm/qz bx with ep clots to 2cm locally. Vuggy with euhedral qz infill. Hand sample RM1602
49	10U	382224	5734913	O/C. 30cm silicified shear @ 090°/68°S. remnant textures of fg andesitic xtl tuff.
50	10U	382271	5734770	O/C. Fg andesite xlt tuff. Anhedral xtls. Weak ch, weak ep. Bluff trending 286°. Dominant regular fracture @ 212°/85°SE
51	10U	382382	5734762	O/C. Fg andesite xlt tuff with light to med grey grounmass. Med pervasive silicification.
52	10U	382386	5734763	O/C. Top of rock bluff. Fg fg andesitic xtl tuff. Mod silicification, med brown groundmass
53	10U	382407	5734839	O/C. Top of rock bluff. Grey matrix supported andesite lapilli tuff. Clasts 1-3cm. Wk-mod pervasive silicification. Subhedral xts in groundmass
54	10U	382404	5734854	O/C. As above. Clasts increasing to 2-5cm, on average2-3cm.
55	10U	382398	5734931	O/C. Fg andesite xtl tuff. Wk silic, wk chl in groundmass
56	10U	382386	5734946	2008 geophys grid station 17+00E 14+00N
57	10U	382270	5735214	O/C. Fg-mg andesite xtl tuff. Wk-mod silic, wk chl, with local ep on fracture and isolated phenos
58	10U	382264	5735271	O/C. Tuff as above. Ep increasing to mod. Ep on fracture @ 270°/90°
59	10U	382242	5735322	O/C. Regular jointing @ 326°/72°NE in andesite tuff as above.
60	10U	382221	5735377	O/C. Matrix suprted andesite lapilli tuff. Wk silic, wk chl. Ctr of proposed drill pad.
61	10U	382156	5735448	O/C. Fg andesite xtl tuff. Mod-str chl in groundmass, wk silic, trace fg pyrite. Sub-mm tourm in shear orientation undetermined
97	10U	382139	5735611	O/C. Mod chloritic fg andesite xtl tuff. Dominant fracture @067°/74°SE and 206°/58°NW.
97+12m ->315°	10U	382130.5	5735619.5	O/C. Qz/cb/tourm pinch and swell shear @ 090°/68°S in mod chloritic andesite xtl tuff. Tr malachite(?) at selvage. Hand sample RM1605
98	10U	382060	5735568	O/C. As above. Fracture @ 315°/85°NE
99	10U	382051	5735621	O/C. Matrix suported andesite lapilli tuff with clasts to 3cm. Mod chl.
100	10U	382069	5735697	O/C. As at station 97. chl increasing to mod-strong
101	10U	384154	5735783	O/C. Strong pervasive chl in fg andesitic xtl tuff. Site of O/C1 located in 2015 geophys program.
102	10U	384046	5735915	SO/C. Med-str pervasive chl in mg andesite xtl tuff. Tr-1% mg py. Abundant angular float of mg andesite xtl tuff with 5-8% mg dissem py
Burls	10U	384113	5735901	Stand of burled trees.
Abbreviations:	fg - fine grained, mg - medium grained, cg - coarse grained, py - pyrite, cpy - chalcopyrite, hem - hematite, ep - epidote, ga - galena, bo - bornite			
	sph - sphalerite, chl - chlorite, mod - moderate, st - strong, qz - quartz, cb - carbonate, vnlt - veinlet, dissem - disseminated, sx - sulphides			
	az - azurite, ma - malachite, str - stringers, w/ - with, and - andesite, porph - porphyry, silic - silicification, O/C - outcrop, SO/C - sub-outcrop			
	aspy - arsenopyrite, QFP - quartz feldspar porphyry, HW-hanging wall			

Table 3 – Geological Mapping Descriptions

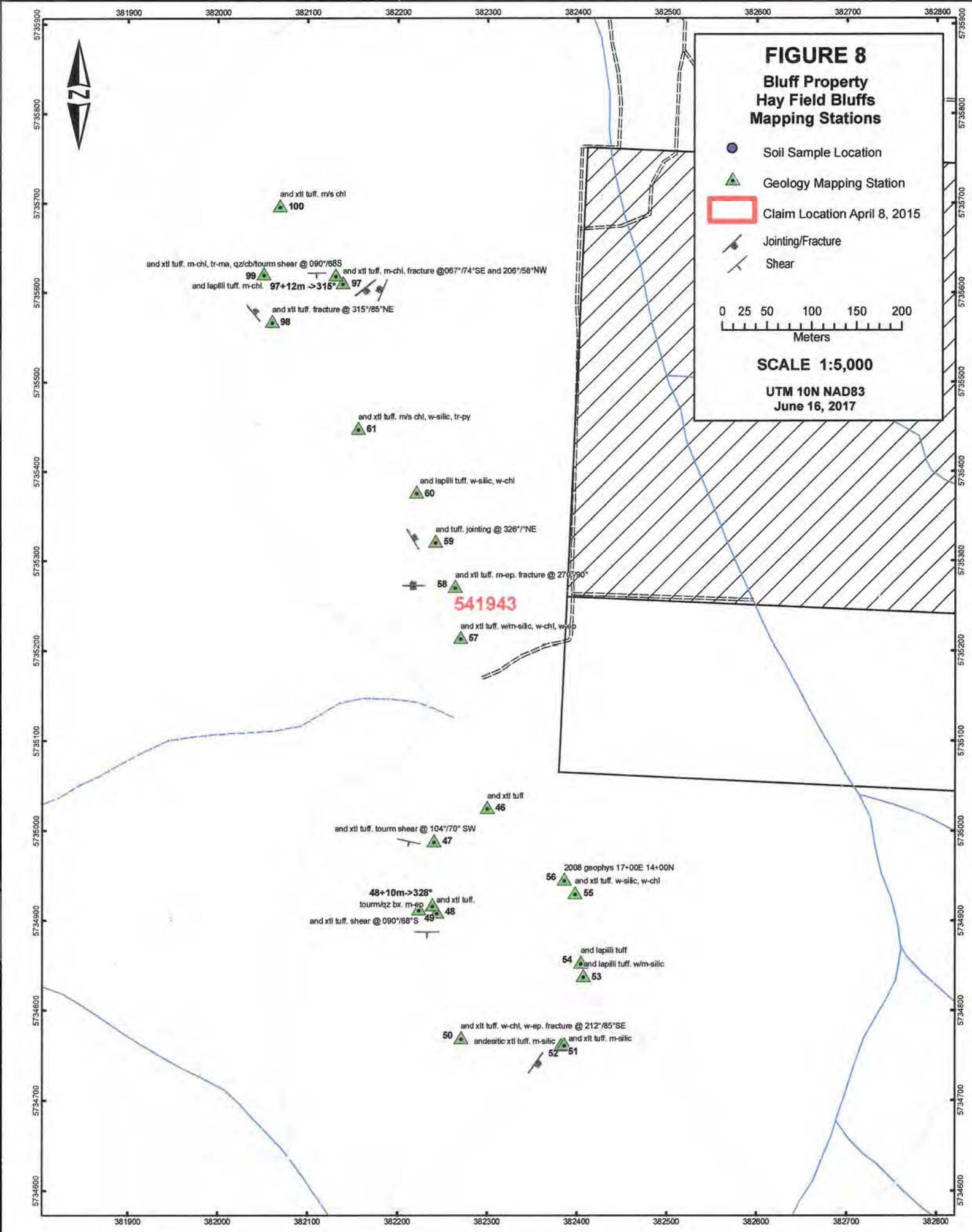


FIGURE 8
Bluff Property
Hay Field Bluffs
Mapping Stations
Soil Sample Location
Geology Mapping Station
Claim Location April 8, 2015
Jointing/Fracture
Shear
0 25 50 100 150 200
Meters
SCALE 1:5,000
UTM 10N NAD83
June 16, 2017
N
381900
382000
382100
382200
382300
382400
382500
382600
382700
382800
5735900
5735800
5735700
5735600
5735500
5735400
5735300
5735200
5735100
5735000
5734900
5734800
5734700
5734600
and xtl tuff. m/s chl
100
and xtl tuff. m-chl, tr-ma, qz/cb/tourm shear @ 090°/68S
99
and xtl tuff. m-chl. fracture @067°/74°SE and 206°/58°NW
and lapilli tuff. m-chl.
97+12m ->315°
97
and xtl tuff. fracture @ 315°/85°NE
98
and xtl tuff. m/s chl, w-silic, tr-py
61
and lapilli tuff. w-silic, w-chl
60
and tuff. jointing @ 326°/°NE
59
and xtl tuff. m-ep. fracture @ 270°/90°
58
541943
and xtl tuff. w/m-silic, w-chl, w-ep
57
and xtl tuff
46
and xtl tuff. tourm shear @ 104°/70° SW
47
2008 geophys 17+00E 14+00N
56
and xtl tuff. w-silic, w-chl
55
48+10m->328°
tourm/qz bx. m-ep
and xtl tuff.
48
and xtl tuff. shear @ 090°/68°S
49
and lapilli tuff
54
and lapilli tuff. w/m-silic
53
and xlt tuff. w-chl, w-ep. fracture @ 212°/85°SE
50
andesitic xtl tuff. m-silic
and xlt tuff. m-silic
51
52

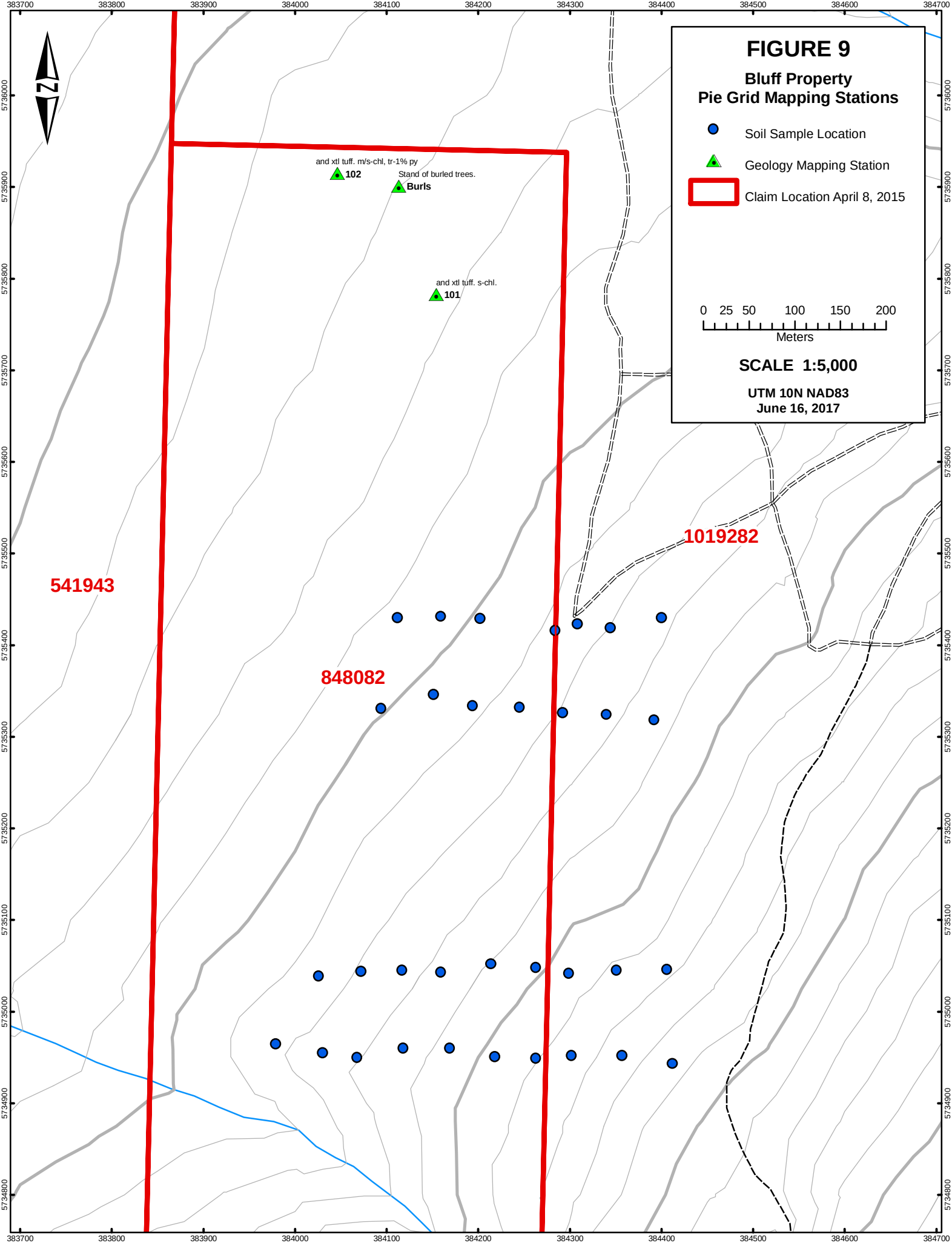


FIGURE 9
Bluff Property
Pie Grid Mapping Stations
Soil Sample Location
Geology Mapping Station
Claim Location April 8, 2015
0 25 50 100 150 200
Meters
SCALE 1:5,000
UTM 10N NAD83
June 16, 2017
N
and xtl tuff. m/s-chl, tr-1% py
102
Stand of burled trees.
Burls
and xtl tuff. s-chl.
101
541943
848082
1019282
383700
383800
383900
384000
384100
384200
384300
384400
384500
384600
384700
5736000
5735900
5735800
5735700
5735600
5735500
5735400
5735300
5735200
5735100
5735000
5734900
5734800

8.0 Discussion and Interpretation

The geochemical program identified a moderate Cu/As/Sb anomaly over the target of possible porphyry style mineralization between lines 135+00N and 137+00N and a weak Cu/As/Sb anomaly over a secondary chargeability/resistivity anomaly located on lines 131+00N and 133+00N. The subdued assay values (Cu: 8.2-66ppm, As:3.3-30.1ppm, Sb: 0.4-96ppm and Zn: 40-520ppm) may indicate a mineralized system at depth or may be masked by glacial cover and/or entrainment of regolith from up-slope.

The Hayfield Bluffs, located to the west of the Rolston ranch hayfield, are underlain by a thick pile of fine to medium grained andesite crystal tuff with local bands of matrix supported andesite lapilli tuff with fragments ranging from 1 to 5cm. Propylitization increases to the north with pervasive chloritization ranging from weak in the south to moderate to strong in the north of the mapping area. Epidote is locally pervasive and generally increasing to the north but is typically confined to shears and is locally associated with tourmaline rich shears. This may indicate a porphyry style mineralizes system to the south in the vicinity of the Painted Bluff copper showing some 300 metres to the southwest and the copper/molybdenum mineralization encountered in drill hole BL07-08 located 470 metres to the south southeast.

A 1,500m diamond drill program comprising eight 150 to 200 metre holes is proposed to test targets defined in this and previous reports. Cost is estimated at approximately $272,200.00. The Bluff Property holds potential for mineralization similar to the Fish Lake (Prosperity) Cu/Au deposit located some 70km to the East; The Skinner Mountain lode Ag/Au veins, 18km east and the Blackhorn Mountain lode Au/Ag veins 20km to the south

9.0 Statement of Costs

Item	Rate		Amt	Item	Start	Duration	End	Total
Manpower								
Roger MacDonald (Geo)	$500.00	per day	6	days	14/09/2016	to	20/09/2016	$3,000.00
Report writing and interpretation	$500.00	per day	2	days	16/06/2017	and	17/06/2017	$1,000.00
Susan Rolston (Field Assistant)	$350.00	per day	2	days	16/09/2016	and	17/09/2016	$700.00
Susan Rolston (Travel)	$25.00	per hr	8	hrs	14/09/2016	and	20/09/2016	$200.00
Rentals								
Raz	$225.00	per day	2	days	16/09/2016	and	17/09/2016	$450.00
ATV800	$125.00	per day	2	days	17/09/2016	and	19/09/2016	$250.00
Radio	$10.00	x2 per day	10	days	15/09/2016	to	19/09/2016	$100.00
Fuel	$1.27	per litre	600	litres	14/09/2016	to	20/09/2016	$762.00
Sundries	$25.00	per day	5	days	15/09/2016	to	19/09/2016	$125.00
Truck	$150.00	per day	2	days	14/09/2016	and	20/09/2016	$300.00
Food & Accom	$120.00	per day	7	days	14/09/2016	to	20/09/2016	$840.00
Driving kilometres	$0.65	km	1000	km	14/09/2016	and	20/09/2016	$650.00
Air Fair					14/09/2016	and	20/09/2016	$400.00
Food (Travel Days)	$50.00	per day	2	days	14/09/2016	and	20/09/2016	$100.00
Geochem								
Soil Sample Analysis	$48.30	per sample	33	samples				$1,593.90
								$0.00
							Total	$10,470.90

Table 4 – Statement of Costs

I, Roger C. MacDonald P.Geo, do hereby certify that,

1.) I currently reside at 8191 River Road, Richmond, BC, Canada, V6X 1X8 and I am self employed as a consulting geologist.
2.) This certificate applies to the Assessment Report on the Bluff Property dated June 6, 2017.
3.) I graduated with a Bachelors Degree of Science (Department of Geology) from the University of British Columbia in 1988. I have worked twenty-five years as a geologist, throughout the BC/Yukon Cordillera, NWT/Nunavut, Guiana Shield, SA, Canadian Shield in Ontario, Trudos ophiolite Complex, Cyprus and ophiolite massifs of SW Turkey, since my graduation. I am a member in good standing with the Association of Professional Engineers and Geoscientists of BC.
4.) I have been involved in various exploration programs on the Bluff Property from 2004 through 2016.

Sealed and Signed at Vancouver, British Columbia, on June 16, 2017

Roger C. MacDonald, P.Geo.

I, Susan E Rolston, do hereby certify that

1.) I currently reside at 6705 Bluff Lake Road, Tatla Lake, BC, V0L 1V0.
2.) I have been working as a prospector and sampler for 11 years, primarily on my own mineral tenures.
3.) I have worked for several companies in the mining and mineral exploration industry since 2005 as a prospector, sampler, core splitter, OHS Level 3 First Aid Attendant, cook and camp manager.
4.) I completed the online "Mine 1003" course on Mining and Prospecting through the British Columbia Institute of Technology.
5.) I am 100% Owner of Tchaikazan Resources Inc., a private exploration company.
6.) I performed and supervised the work described in this report.

Signed at Tatla Lake, British Columbia, June 16, 2017.

Susan E. Rolston

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Appendix I – Soil Geochemistry Assays

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SAMPLE PREPARATION PACKAGE

PREP- 41

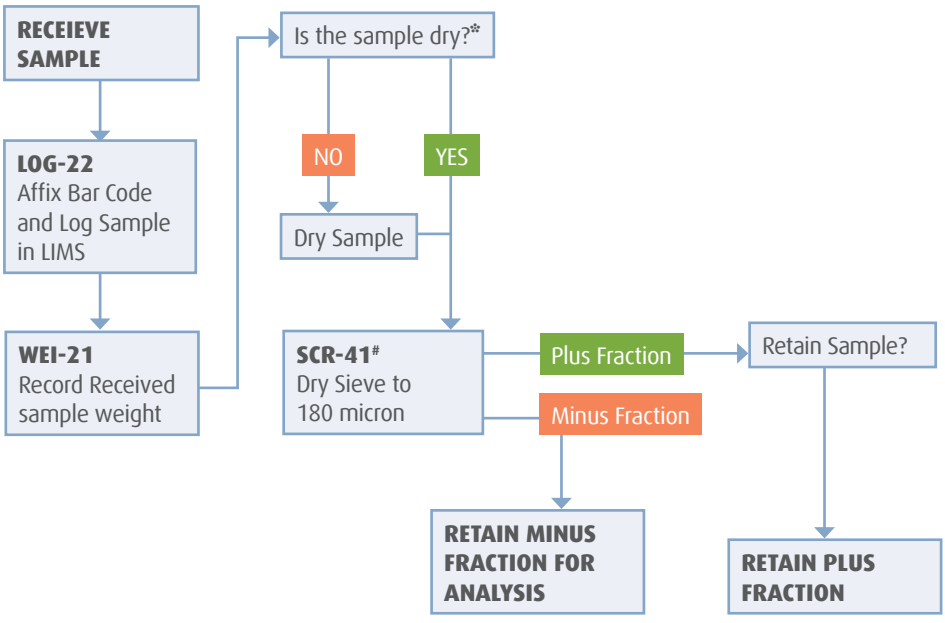
STANDARD PREPARATION: DRY SAMPLE AND DRY- SIEVE TO –180 MICRON

Sample preparation is the most critical step in the entire laboratory operation. The purpose of preparation is to produce a homogeneous analytical sub-sample that is fully representative of the material submitted to the laboratory.

An entire sample is dried and then dry-sieved using a 180 micron (Tyler 80 mesh) screen. The plus fraction is retained unless disposal is requested. This method is appropriate for soil or sediment samples up to 1 kg in weight.

METHOD CODE	DESCRIPTION
LOG-22	Sample is logged in tracking system and a bar code label is attached.
DRY-22	Low temperature drying of excessively wet samples where the oven temperature is not to exceed 60°C. This method is suitable for more soil and sediment samples that are analyzed for volatile elements.
SCR-41	Sample is dry-sieved to – 180 micron and both the plus and minus fractions are retained.

SAMPLE PREPARATION FLOWCHART PACKAGE –PREP- 41



*If samples air-dry overnight, no charge to client. If samples are excessively wet, the sample should be dried to a maximum of 120°C. (**DRY-21**)

#The plus fraction is the material remaining on the screen. The minus fraction is the material passing through the screen.

†The plus fraction is retained unless disposal is requested.

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GEOCHEMICAL PROCEDURE

Au-TL43, Au-TL44

DETERMINATION OF TRACE LEVEL GOLD BY SOLVENT EXTRACTION – GRAPHITE FURNACE AAS OR ICPMS FINISH

SAMPLE DECOMPOSITION

Aqua regia gold digestion (GEO-AuAR01/02)

ANALYTICAL METHOD

Inductively coupled mass spectrometry (ICPMS) or Atomic absorption spectrometry (AAS)

A finely pulverised sample (25 – 50 g) is digested in a mixture of 3 parts hydrochloric acid and 1 part nitric acid (aqua regia). This acid mixture generates nascent chlorine and nitrosyl chloride, which will dissolve free gold and gold compounds such as calaverite, $AuTe_2$.

The dissolved gold is complexed and extracted with Kerosene/DBS and determined by graphite furnace AAS. Alternatively gold is determined by ICPMS directly from the digestion liquor. This method allows for the simple and economical addition of extra elements by running the digestion liquor through the ICPAES or ICPMS.

NOTE: Samples high in sulphide or carbon content may lead to low gold recoveries unless they are roasted prior to digestion.

METHOD CODE	ELEMENT	SYMBOL	UNITS	SAMPLE MASS (G)	LOWER LIMIT	UPPER LIMIT	DEFAULT OVERLIMIT METHOD
Au-TL43	Gold	Au	ppm	25	0.001	1	Au-OG43
Au-TL44	Gold	Au	ppm	50	0.001	1	Au-OG44

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GEOCHEMICAL PROCEDURE

ME- MS41

ULTRA- TRACE LEVEL METHODS USING ICP- MS AND ICP- AES

SAMPLE DECOMPOSITION

Aqua Regia Digestion (GEO-AR01)

ANALYTICAL METHOD

Inductively Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES)
Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

A prepared sample (0.50 g) is digested with aqua regia in a graphite heating block. After cooling, the resulting solution is diluted to with deionized water, mixed and analyzed by inductively coupled plasma-atomic emission spectrometry. Following this analysis, the results are reviewed for high concentrations of bismuth, mercury, molybdenum, ment spectral interferences.

ELEMENT	SYMBOL	UNITS	LOWER LIMIT	UPPER LIMIT
Silver	Ag	ppm	0.01	100
Aluminum	Al	%	0.01	25
Arsenic	As	ppm	0.1	10 000
Gold	Au	ppm	0.2	25
Boron	B	ppm	10	10 000
Barium	Ba	ppm	10	10 000
Beryllium	Be	ppm	0.05	1 000
Bismuth	Bi	ppm	0.01	10 000
Calcium	Ca	%	0.01	25
Cadmium	Cd	ppm	0.01	1 000
Cerium	Ce	ppm	0.02	500
Cobalt	Co	ppm	0.1	10 000
Chromium	Cr	ppm	1	10 000
Cesium	Cs	ppm	0.05	500
Copper	Cu	ppm	0.2	10 000
Iron	Fe	%	0.01	50
Gallium	Ga	ppm	0.05	10 000
Germanium	Ge	ppm	0.05	500
Hafnium	Hf	ppm	0.02	500

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ME- MS41

ELEMENT	SYMBOL	UNITS	LOWER LIMIT	UPPER LIMIT
Mercury	Hg	ppm	0.01	10 000
Indium	In	ppm	0.005	500
Potassium	K	%	0.01	10
Lanthanum	La	ppm	0.2	10 000
Lithium	Li	ppm	0.1	10 000
Magnesium	Mg	%	0.01	25
Manganese	Mn	ppm	5	50 000
Molybdenum	Mo	ppm	0.05	10 000
Sodium	Na	%	0.01	10
Niobium	Nb	ppm	0.05	500
Nickel	Ni	ppm	0.2	10 000
Phosphorus	P	ppm	10	10 000
Lead	Pb	ppm	0.2	10 000
Rubidium	Rb	ppm	0.1	10 000
Rhenium	Re	ppm	0.001	50
Sulphur	S	%	0.01	10
Antimony	Sb	ppm	0.05	10 000
Scandium	Sc	ppm	0.1	10 000
Selenium	Se	ppm	0.2	1 000
Tin	Sn	ppm	0.2	500
Strontium	Sr	ppm	0.2	10 000
Tantalum	Ta	ppm	0.01	500
Tellurium	Te	ppm	0.01	500
Thorium	Th	ppm	0.2	10000
Titanium	Ti	%	0.005	10
Thallium	Tl	ppm	0.02	10 000
Uranium	U	ppm	0.05	10 000
Vanadium	V	ppm	1	10 000
Tungsten	W	ppm	0.05	10 000
Yttrium	Y	ppm	0.05	500
Zinc	Zn	ppm	2	10 000
Zirconium	Zr	ppm	0.5	500

NOTE: In the majority of geological matrices, data reported from an aqua regia leach should be considered as representing only the leachable portion of the particular analyte.

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To: TCHAIKAZAN RESOURCES INC.
BOX 32
TATLA LAKE BC V0L 1V0

Finalized Date: 30- OCT- 2016
This copy reported on
31- OCT- 2016
Account: TCHRES

CERTIFICATE KL16173472

Project: Bluff

This report is for 33 Soil samples submitted to our lab in Kamloops, BC, Canada on 11- OCT- 2016.

The following have access to data associated with this certificate:

TCHAIKAZAN RESOURCES INC.	ROGER MACDONALD	SUSAN ROLSTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- TL43	Trace Level Au - 25g AR	ICP- MS
ME- MS41	Ultra Trace Aqua Regia ICP- MS	

To: TCHAIKAZAN RESOURCES INC.
ATTN: ROGER MACDONALD
BOX 32
TATLA LAKE BC V0L 1V0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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To: TCHAIKAZAN RESOURCES INC.
BOX 32
TATLA LAKE BC V0L 1V0

Finalized Date: 30- OCT- 2016
Account: TCHRES

Project: Bluff

CERTIFICATE OF ANALYSIS KL16173472

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-TL43 Au ppm 0.001	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1
132N 6700E		0.37	0.002	0.09	2.50	10.0	<0.2	<10	50	0.23	0.12	0.32	0.06	4.44	10.6	22
132N 6750E		0.30	0.002	0.07	2.11	6.9	<0.2	<10	40	0.23	0.12	0.32	0.17	4.79	14.3	18
132N 6800E		0.35	0.004	0.16	2.17	5.1	<0.2	<10	40	0.25	0.11	0.33	0.12	5.30	10.9	15
132N 6850E		0.32	0.002	0.13	2.27	12.7	<0.2	<10	40	0.22	0.17	0.35	0.07	4.77	10.2	18
132N 6900E		0.45	0.005	0.08	2.62	13.6	<0.2	<10	50	0.24	0.14	0.37	0.07	4.95	10.8	20
132N 6950E		0.36	0.001	0.08	2.04	9.4	<0.2	<10	40	0.26	0.17	0.37	0.26	5.11	12.8	16
132N 7000E		0.36	0.003	0.07	2.34	15.0	<0.2	<10	40	0.20	0.28	0.39	0.17	4.37	12.5	18
132N 7050E		0.43	0.003	0.06	1.60	11.8	<0.2	<10	40	0.18	0.22	0.39	0.41	4.60	12.0	15
132N 7100E		0.50	0.011	0.09	2.01	18.9	<0.2	<10	50	0.19	0.26	0.42	0.14	4.65	10.8	18
131N6650E		0.26	0.001	0.12	2.41	6.7	<0.2	<10	60	0.22	0.11	0.35	0.06	5.16	8.1	17
131N6700E		0.43	0.001	0.12	2.70	8.3	<0.2	<10	40	0.22	0.09	0.39	0.06	4.72	10.6	18
131N6750E		0.43	0.002	0.11	3.23	9.4	<0.2	<10	50	0.26	0.08	0.46	0.07	4.90	11.4	21
131N6800E		0.31	0.002	0.13	2.11	10.7	<0.2	<10	50	0.30	0.17	0.34	0.12	6.08	11.8	16
131N6850E		0.34	0.001	0.10	2.43	9.9	<0.2	<10	40	0.25	0.11	0.45	0.11	5.15	12.0	19
131N6900E		0.40	0.002	0.05	2.18	10.0	<0.2	<10	40	0.26	0.15	0.34	0.08	5.42	14.8	17
131N6950E		0.40	0.003	0.07	1.87	10.8	<0.2	<10	40	0.25	0.18	0.36	0.09	5.46	11.9	16
131N7000E		0.38	0.003	0.12	2.07	12.2	<0.2	<10	70	0.24	0.24	0.44	0.17	5.24	13.6	16
131N7050E		0.44	0.002	0.07	2.56	20.1	<0.2	<10	40	0.26	0.29	0.42	0.09	5.47	10.9	17
131N7100E		0.34	0.003	0.56	2.49	20.0	<0.2	<10	30	0.28	0.28	0.27	0.06	5.89	8.6	16
136N6800E		0.37	0.002	0.04	1.30	6.6	<0.2	<10	30	0.13	0.15	0.32	0.04	4.36	6.5	12
136N6850E		0.39	0.001	0.08	1.22	3.9	<0.2	<10	20	0.15	0.09	0.30	0.08	4.67	5.2	10
136N6900E		0.40	0.003	0.11	2.35	12.1	<0.2	<10	30	0.22	0.12	0.47	0.23	5.10	8.8	17
136N6950E		0.50	0.001	0.08	2.20	23.6	<0.2	<10	40	0.18	0.28	0.32	0.31	4.46	8.0	19
136N7000E		0.47	0.007	0.17	2.10	12.1	<0.2	10	50	0.22	0.17	0.53	0.31	5.76	10.1	17
136N7050E		0.47	0.007	0.09	2.88	22.8	<0.2	<10	70	0.22	0.28	0.46	0.19	6.36	10.0	20
136N7100E		0.36	0.003	0.04	1.87	15.4	<0.2	<10	50	0.17	0.24	0.41	0.18	4.35	6.0	16
135N6800E		0.40	0.002	0.05	1.99	7.4	<0.2	<10	40	0.14	0.11	0.55	0.04	4.56	6.6	15
135N6850E		0.37	0.002	0.10	1.34	4.9	<0.2	<10	30	0.35	0.09	0.45	0.06	5.51	5.7	12
135N6900E		0.38	0.002	0.17	1.21	3.3	<0.2	<10	20	0.29	0.13	0.33	0.21	4.88	6.5	10
135N6950E		0.38	0.011	0.10	1.88	18.5	<0.2	<10	30	0.17	0.21	0.39	0.24	3.94	7.8	17
135N7000E		0.38	0.003	0.07	2.02	16.1	<0.2	<10	40	0.23	0.25	0.30	1.04	4.89	11.2	17
135N7050E		0.39	0.001	0.11	1.94	22.9	<0.2	<10	50	0.18	0.32	0.42	1.71	4.92	7.9	19
135N7100E		0.43	0.002	0.11	2.56	30.1	<0.2	<10	60	0.23	0.43	0.33	0.12	4.42	6.7	21

***** See Appendix Page for comments regarding this certificate *****

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To: TCHAIKAZAN RESOURCES INC.
BOX 32
TATLA LAKE BC V0L 1V0

Finalized Date: 30- OCT- 2016
Account: TCHRES

Project: Bluff

CERTIFICATE OF ANALYSIS KL16173472

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
132N 6700E		0.95	33.4	2.95	6.73	<0.05	0.09	0.02	0.016	0.04	2.2	8.6	0.74	302	0.98	0.01
132N 6750E		1.19	17.6	2.57	7.02	<0.05	0.06	0.01	0.017	0.06	2.4	9.5	0.55	369	0.62	0.01
132N 6800E		1.29	17.9	2.45	7.26	<0.05	0.04	0.02	0.018	0.06	2.7	10.2	0.57	297	0.70	0.01
132N 6850E		1.26	18.3	3.21	7.20	<0.05	0.06	0.02	0.020	0.06	2.3	9.6	0.57	262	1.18	0.01
132N 6900E		0.77	40.6	3.15	6.21	<0.05	0.08	0.02	0.016	0.04	2.3	8.9	0.75	326	1.08	0.01
132N 6950E		1.47	19.4	2.61	6.23	<0.05	0.06	0.01	0.020	0.06	2.4	10.0	0.57	445	1.44	0.01
132N 7000E		1.48	26.3	3.48	7.89	<0.05	0.05	0.02	0.020	0.06	2.1	10.9	0.72	363	1.24	0.01
132N 7050E		1.05	25.7	2.85	6.37	<0.05	0.03	0.01	0.017	0.07	2.2	9.1	0.51	546	1.20	0.01
132N 7100E		0.87	35.8	3.33	6.39	<0.05	0.05	0.01	0.020	0.07	2.3	9.6	0.73	443	1.63	0.01
131N6650E		0.95	28.6	2.37	6.49	<0.05	0.06	0.02	0.017	0.05	2.5	8.9	0.58	261	0.67	0.01
131N6700E		0.97	29.0	2.85	7.50	<0.05	0.04	0.02	0.018	0.05	2.3	8.9	0.67	281	0.85	0.01
131N6750E		0.84	31.6	3.43	8.69	<0.05	0.04	0.02	0.027	0.06	2.4	11.1	0.91	373	0.94	0.02
131N6800E		1.19	21.1	2.77	6.71	<0.05	0.04	0.01	0.028	0.06	3.0	10.8	0.58	334	1.07	0.01
131N6850E		0.92	26.6	3.05	7.46	<0.05	0.05	0.01	0.025	0.05	2.5	10.8	0.72	384	1.03	0.01
131N6900E		1.08	28.1	2.93	7.12	<0.05	0.06	0.02	0.027	0.05	2.6	11.4	0.61	316	1.11	0.01
131N6950E		1.48	22.4	2.83	7.10	<0.05	0.03	0.01	0.025	0.05	2.6	11.8	0.58	382	1.11	0.01
131N7000E		1.71	21.9	2.93	7.32	<0.05	0.03	0.02	0.028	0.05	2.5	11.2	0.51	522	1.26	0.01
131N7050E		1.16	30.0	3.53	7.45	<0.05	0.04	0.02	0.027	0.04	2.6	10.3	0.73	346	1.46	0.01
131N7100E		2.21	29.7	3.18	6.47	<0.05	0.07	0.03	0.026	0.04	2.8	9.6	0.59	266	1.79	0.01
136N6800E		0.73	12.8	1.93	4.59	<0.05	0.02	0.01	0.020	0.05	2.2	14.5	0.47	285	1.37	0.01
136N6850E		0.82	10.8	1.51	4.42	<0.05	0.02	0.01	0.016	0.04	2.3	16.0	0.38	176	0.56	0.01
136N6900E		0.78	22.3	2.75	5.57	<0.05	0.03	0.01	0.020	0.06	2.3	8.1	0.58	300	0.78	0.02
136N6950E		1.03	33.2	3.71	7.01	<0.05	0.04	0.02	0.027	0.08	2.2	11.2	0.71	349	2.22	0.01
136N7000E		0.82	22.4	2.55	5.74	<0.05	0.05	0.03	0.023	0.09	2.4	13.5	0.66	357	1.01	0.01
136N7050E		0.84	66.7	3.96	6.90	<0.05	0.03	0.03	0.026	0.10	2.8	12.4	0.90	457	2.44	0.01
136N7100E		0.72	19.4	2.71	5.09	<0.05	0.04	0.01	0.021	0.10	2.0	9.0	0.68	450	1.16	0.01
135N6800E		0.68	21.3	2.30	5.44	<0.05	0.07	0.01	0.018	0.04	2.2	17.2	0.62	304	0.69	0.02
135N6850E		0.62	15.3	1.78	3.60	<0.05	0.03	0.01	0.016	0.03	3.1	23.2	0.43	272	0.39	0.02
135N6900E		1.11	8.2	1.52	4.25	<0.05	<0.02	0.01	0.017	0.03	2.4	23.9	0.36	316	0.56	0.01
135N6950E		0.72	26.6	2.95	5.63	<0.05	<0.02	0.01	0.022	0.06	2.0	9.8	0.68	315	1.38	0.01
135N7000E		1.45	20.5	3.17	6.50	<0.05	0.04	0.01	0.023	0.08	2.4	11.7	0.60	381	1.48	0.01
135N7050E		1.49	27.4	3.23	5.83	<0.05	0.03	0.02	0.026	0.07	2.4	13.3	0.82	587	1.65	0.01
135N7100E		1.32	43.6	4.12	6.63	<0.05	0.02	0.02	0.030	0.07	2.2	12.2	0.95	479	2.51	0.01

***** See Appendix Page for comments regarding this certificate *****

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To: TCHAIKAZAN RESOURCES INC.
BOX 32
TATLA LAKE BC V0L 1V0

Project: Bluff

CERTIFICATE OF ANALYSIS KL16173472

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
132N 6700E		0.83	13.7	530	4.4	8.1	<0.001	0.01	0.33	3.8	0.2	0.3	15.2	<0.01	0.09	0.6
132N 6750E		0.90	11.6	410	3.9	13.3	0.001	0.01	0.17	3.2	0.2	0.4	12.9	<0.01	0.04	0.8
132N 6800E		1.34	10.3	410	3.1	10.7	<0.001	0.01	0.15	3.0	0.2	0.4	13.7	<0.01	0.01	0.6
132N 6850E		0.73	10.0	350	6.9	16.6	<0.001	0.01	0.24	3.4	<0.2	0.4	14.5	<0.01	0.14	0.5
132N 6900E		0.83	12.0	490	6.0	7.8	<0.001	0.01	0.51	3.9	0.4	0.3	13.5	<0.01	0.16	0.6
132N 6950E		1.36	15.6	490	4.9	12.3	<0.001	0.01	0.25	3.1	0.2	0.4	13.4	<0.01	0.11	0.7
132N 7000E		0.84	12.8	460	7.5	14.1	<0.001	0.02	0.33	3.9	0.6	0.5	18.6	<0.01	0.17	0.4
132N 7050E		0.91	8.7	480	7.3	14.4	<0.001	0.02	0.37	3.1	0.5	0.4	15.5	<0.01	0.18	0.5
132N 7100E		0.78	9.6	520	9.7	10.2	<0.001	0.02	0.65	3.9	0.7	0.4	17.0	<0.01	0.34	0.5
131N6650E		0.85	11.0	530	3.9	9.7	<0.001	0.01	0.19	3.2	0.2	0.4	15.2	<0.01	0.05	0.7
131N6700E		0.90	11.6	520	3.7	10.0	<0.001	0.02	0.21	3.6	0.2	0.3	16.5	<0.01	0.06	0.6
131N6750E		0.79	12.8	520	4.9	7.4	<0.001	0.02	0.32	3.9	0.5	0.4	18.0	<0.01	0.05	0.6
131N6800E		1.28	11.2	390	6.3	12.1	0.001	0.02	0.37	3.0	0.5	0.5	16.0	<0.01	0.12	0.7
131N6850E		0.82	12.4	510	5.9	10.8	<0.001	0.02	0.37	3.6	0.4	0.4	15.6	<0.01	0.08	0.6
131N6900E		0.98	11.5	410	6.2	7.5	0.001	0.02	0.39	3.2	0.3	0.4	15.6	<0.01	0.09	0.6
131N6950E		0.96	9.6	440	6.8	14.6	0.001	0.02	0.42	3.1	0.3	0.4	17.0	<0.01	0.11	0.8
131N7000E		0.80	8.6	460	7.8	12.8	0.001	0.02	0.44	3.1	0.2	0.5	19.9	<0.01	0.14	0.5
131N7050E		0.83	10.1	570	7.0	10.8	<0.001	0.02	0.54	3.8	0.5	0.4	19.5	<0.01	0.20	0.5
131N7100E		1.06	9.3	430	8.8	6.0	<0.001	0.02	0.75	3.4	0.5	0.5	14.3	0.01	0.25	0.9
136N6800E		0.63	5.6	180	5.9	13.5	<0.001	0.02	0.36	2.3	0.4	0.3	11.8	<0.01	0.12	0.4
136N6850E		0.75	5.8	140	3.8	9.7	<0.001	0.02	0.19	2.0	0.4	0.3	12.5	<0.01	0.05	0.4
136N6900E		0.73	11.1	490	4.2	8.8	<0.001	0.03	0.31	3.0	0.6	0.3	14.9	0.01	0.11	0.7
136N6950E		0.73	9.3	430	10.7	10.0	<0.001	0.02	0.73	3.4	0.6	0.5	14.6	<0.01	0.44	0.5
136N7000E		0.64	9.8	200	6.8	12.7	0.002	0.02	0.44	4.1	0.7	0.4	18.4	<0.01	0.19	0.4
136N7050E		0.74	10.8	380	11.0	7.6	0.001	0.07	0.75	4.9	1.9	0.5	20.1	<0.01	0.49	0.6
136N7100E		0.54	6.4	280	9.1	11.3	<0.001	0.02	0.49	3.3	0.3	0.4	19.4	<0.01	0.29	0.4
135N6800E		0.65	7.6	220	5.1	7.6	<0.001	0.01	0.34	3.6	0.4	0.3	20.2	<0.01	0.10	0.4
135N6850E		0.65	8.3	170	4.7	5.3	0.001	0.02	0.23	2.6	0.5	0.3	15.6	<0.01	0.04	0.5
135N6900E		0.58	5.6	220	5.0	8.7	<0.001	0.02	0.23	2.0	0.3	0.3	12.1	<0.01	0.07	0.3
135N6950E		0.57	9.1	360	7.9	9.3	<0.001	0.03	0.60	3.1	0.6	0.3	15.6	<0.01	0.28	0.3
135N7000E		0.61	9.5	360	8.7	17.6	<0.001	0.02	0.40	2.8	0.4	0.4	15.1	<0.01	0.28	0.6
135N7050E		0.51	8.6	370	12.2	14.0	<0.001	0.03	0.76	3.8	1.0	0.4	19.9	<0.01	0.53	0.3
135N7100E		0.61	8.2	490	15.1	8.9	<0.001	0.03	0.96	3.7	1.5	0.5	21.5	<0.01	0.68	0.3

***** See Appendix Page for comments regarding this certificate *****

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www.alsglobal.com

To: TCHAIKAZAN RESOURCES INC.
BOX 32
TATLA LAKE BC V0L 1V0

Finalized Date: 30- OCT- 2016
Account: TCHRES

Project: Bluff

CERTIFICATE OF ANALYSIS KL16173472

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.005	0.02	0.05	1	0.05	0.05	2	0.5
132N 6700E		0.093	0.06	0.19	66	0.19	2.58	55	2.3
132N 6750E		0.100	0.06	0.16	62	0.18	2.44	145	1.4
132N 6800E		0.100	0.06	0.19	55	0.30	2.30	98	1.0
132N 6850E		0.085	0.08	0.15	73	0.13	2.15	58	1.3
132N 6900E		0.092	0.06	0.23	65	0.17	2.92	55	2.1
132N 6950E		0.088	0.06	0.20	52	0.28	2.75	188	1.4
132N 7000E		0.085	0.06	0.16	73	0.15	2.55	76	1.0
132N 7050E		0.094	0.06	0.17	60	0.14	2.26	110	0.8
132N 7100E		0.101	0.04	0.17	65	0.14	2.78	70	1.2
131N6650E		0.095	0.06	0.22	54	0.17	2.36	67	1.5
131N6700E		0.091	0.05	0.21	66	0.33	2.69	60	1.0
131N6750E		0.095	0.04	0.23	78	0.22	3.06	55	1.3
131N6800E		0.100	0.05	0.22	58	0.24	2.48	93	1.5
131N6850E		0.093	0.05	0.20	69	0.21	2.64	86	1.5
131N6900E		0.093	0.04	0.19	63	0.22	2.41	62	1.6
131N6950E		0.095	0.05	0.18	62	0.19	2.32	61	1.1
131N7000E		0.087	0.06	0.17	65	0.17	2.51	71	1.0
131N7050E		0.108	0.04	0.22	72	0.25	3.20	60	1.4
131N7100E		0.101	0.05	0.29	61	0.20	2.80	58	2.2
136N6800E		0.078	0.04	0.13	41	0.11	1.96	43	0.8
136N6850E		0.077	0.04	0.15	35	0.12	1.91	76	0.5
136N6900E		0.091	0.03	0.21	59	0.22	3.06	86	1.1
136N6950E		0.100	0.05	0.14	68	0.15	1.85	86	1.2
136N7000E		0.101	0.05	0.17	55	0.11	3.86	191	1.4
136N7050E		0.105	0.05	0.22	68	0.15	3.58	70	1.0
136N7100E		0.091	0.04	0.12	55	0.10	2.28	70	1.1
135N6800E		0.109	0.04	0.17	58	0.13	3.31	40	1.9
135N6850E		0.084	0.04	0.19	43	0.16	5.53	291	0.9
135N6900E		0.063	0.05	0.14	35	0.12	3.15	522	<0.5
135N6950E		0.075	0.04	0.13	60	0.12	2.23	106	<0.5
135N7000E		0.094	0.06	0.16	61	0.16	2.48	221	1.1
135N7050E		0.082	0.06	0.12	60	0.10	3.35	316	0.9
135N7100E		0.081	0.06	0.13	67	0.12	1.99	68	0.7

***** See Appendix Page for comments regarding this certificate *****

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To: TCHAIKAZAN RESOURCES INC.
BOX 32
TATLA LAKE BC V0L 1V0

Project: Bluff

CERTIFICATE OF ANALYSIS KL16173472

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).
ME- MS41

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Kamloops located at 2953 Shuswap Drive, Kamloops, BC, Canada.
LOG- 22 SCR- 41 WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au- TL43 ME- MS41