

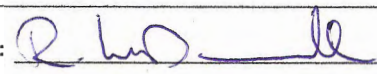
Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Technical Geochemical

TOTAL COST: \$3,799.35

AUTHOR(S): Roger MacDonald P. Geo.

SIGNATURE(S): 

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

YEAR OF WORK: 2012

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5409189, OCTOBER 5, 2012

PROPERTY NAME: Bluff Property

CLAIM NAME(S) (on which the work was done): Bluff, Bluff112

COMMODITIES SOUGHT: Cu/Au/Mo

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Clinton

NTS/BCGS: 92 N 077

LATITUDE: 51 ° 44 '34 " LONGITUDE: 124 ° 42 '51 " (at centre of work)

OWNER(S):

1) Susan Elizabeth Rolston

2)

MAILING ADDRESS:

Box 32, Tatla Lake, BC, Canada, V0L 1V0

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

1) Tchaikazan Resources Ltd. (Susan E. Rolston)

2)

MAILING ADDRESS:

Box 32, Tatla Lake, BC, Canada, V0L 1V0

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

Cu/Au/Mo Porphyry, Cretaceous-Tertiary, Andesites, Crystal Tuffs, Lappilli Tuffs, Diorite, Quartz Diorite Feldspar Porphyry Dykes

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: AR# 29,547, AR# 29526

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 _____			
GEOCHEMICAL (number of samples analysed for...)			
Soil _____			
Silt _____			
Rock 5 _____		Bluff/Bluff112	\$3,039.48/\$759.87
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:	\$3,799.35

TCHAIKAZAN RESOURCES INC.

Box 32, Tatla Lake, British Columbia, Canada

VOL 1V0

Ph: 250 476 1218

**BC Geological Survey
Assessment Report
33599**

BLUFF PROPERTY Bluff, Bluff11, Bluff112 and Horne Claims

Clinton Mining Division
BCGS 092 N 77

Lat 51° 45' 17" N Long 124° 42' 05" W

ASSESSMENT REPORT for the ROCK GEOCHEMISTRY PROGRAM

May 17th to May 22nd, 2012

By

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

January 23, 2013

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Summary

The Bluff Property of Tchikazan Resources Inc. is located about 22 km south of the village of Tatla Lake BC which is on Highway 20 about 240 km west of Williams Lake BC. The property is located on BCGS map 092N 077 and consists of Tenures 541943, 848734, 848082 and 547801 owned 100% by Susan Elizabeth Rolston. The property is centered on approx. Lat. 51° 45.3' N, Long. 124° 42.1' W.

The area adjacent to 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 by the local landowner as a result of prospecting activity 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 and board and logistical assistance to Newmac 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 determined 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, geophysicists. Based on the results of this survey, a diamond drilling program was executed in two parts, between February 14, 2007 and May 23, 2007. The results of that drilling program were inconclusive. However un-split core that is racked on site displays varying degrees of copper mineralization.

The 2012 rock geochemistry program was an effort to expand the area of known mineralization around the flanks of Butler Mountain. With the exception of sample BL017, all samples returned only trace amounts of metals and accessory minerals. Sample BL017 contained 0.742% Cu, 2.4ppm Ag and 100ppm W.

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.

Location and Access

The property is located on BCGS mapsheet 092 N 077 and centered on Lat 51° 45' 17" N Long 124° 42' 05" 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 foot or helicopter. Local helicopter service is provided by White Saddle Air Services at the south end of Bluff Lake.

Claims

The Bluff Property comprises four claims totalling 73 units, covering 1,460.51 hectares. The claims are owned 100% by Susan Elizabeth Rolston.

Claim Name	Tenure Number	Units	Area/ha	Issue Date	Good to Date
Bluff	541943	37	740.39	2006/Sep/25	2012/Oct/05
Bluff112	848734	3	60.04	2011/Mar/12	2013/Mar/12
Bluff11	848082	8	160.10	2011/Mar/04	2013/Mar/04
Horne	547801	25	499.98	2006/Dec/21	2012/Dec/12

Table 1 - Claim Status

TCHAIKAZAN RESOURCES INC.

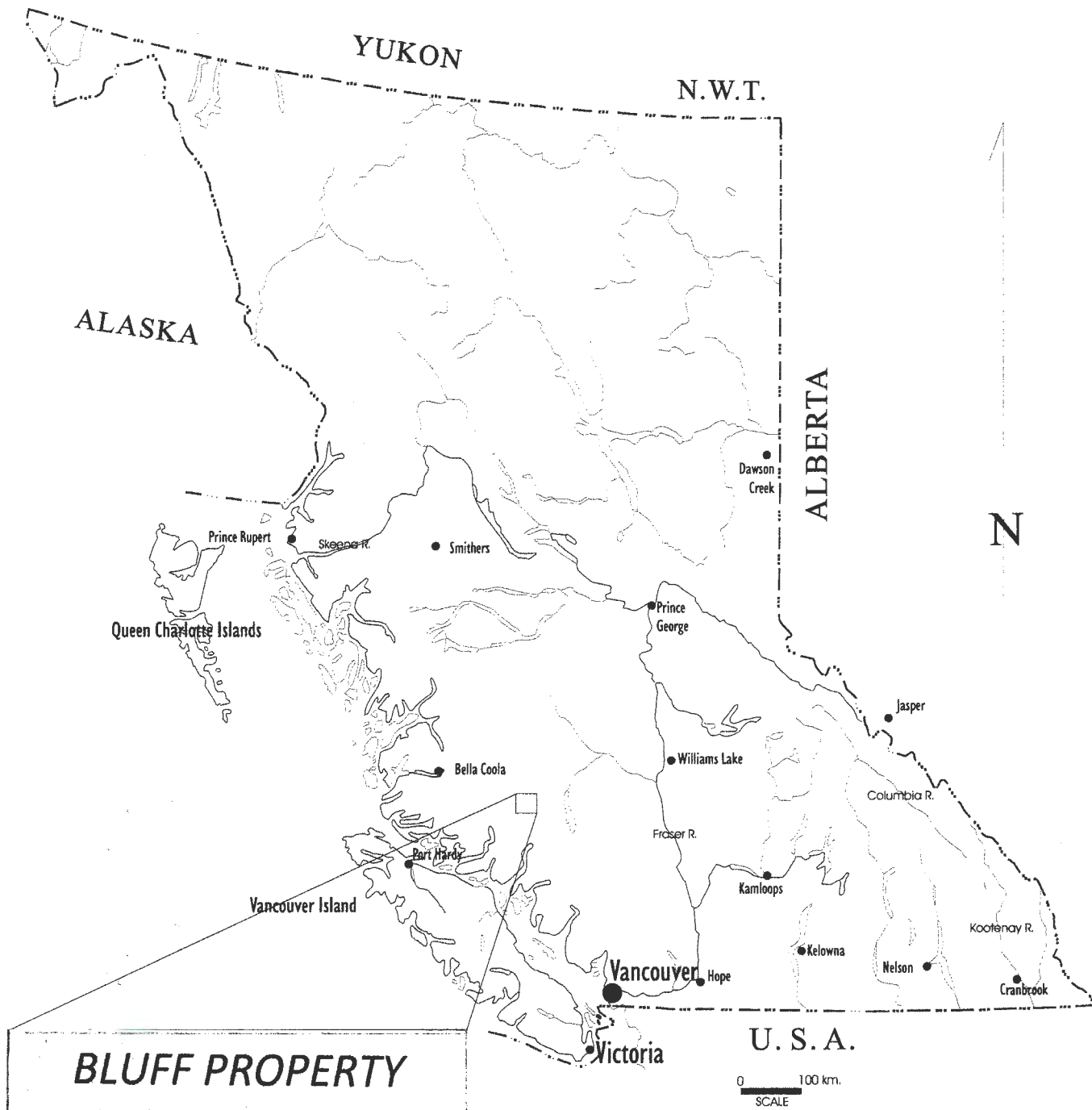
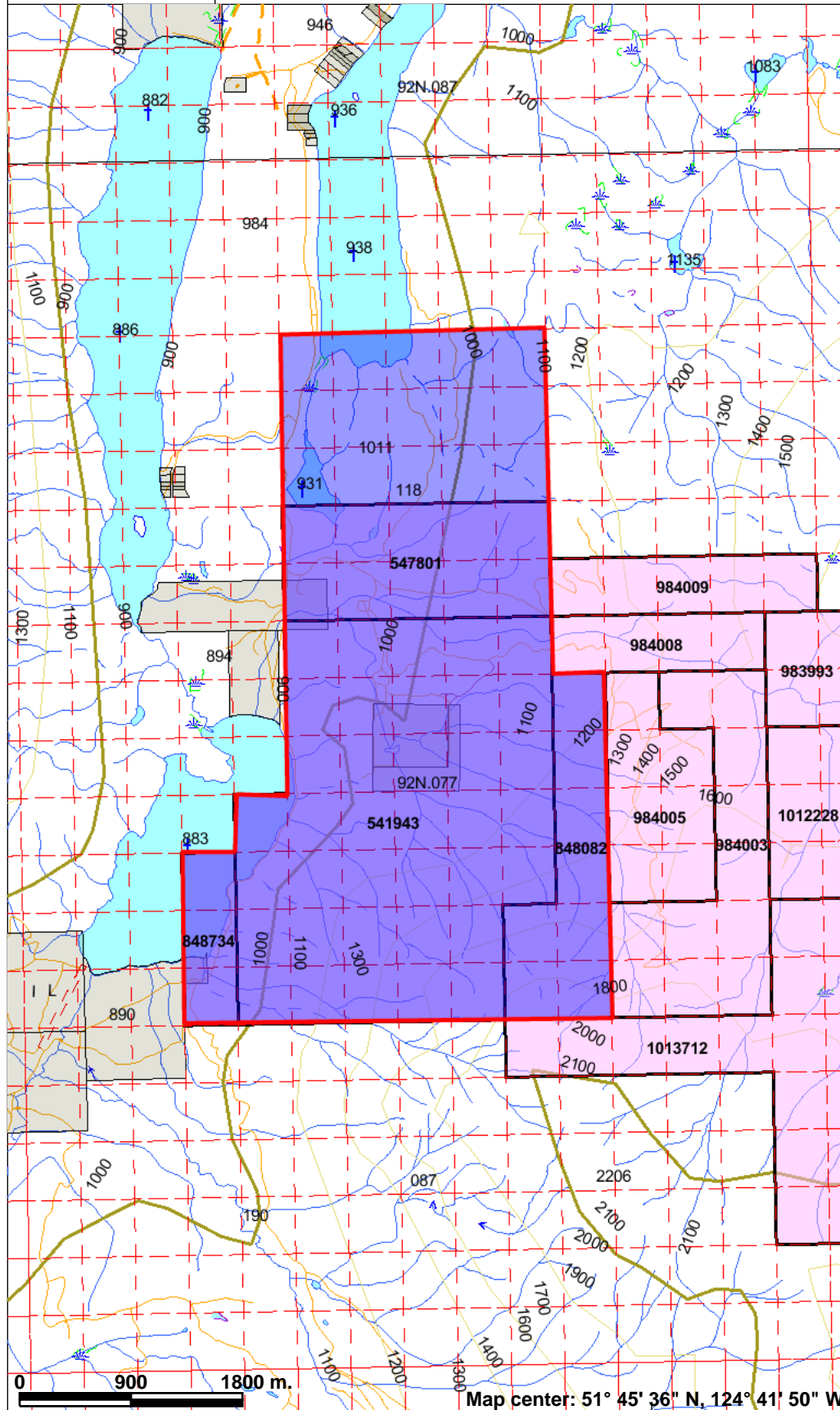


FIGURE 1

LOCATION MAP OF BRITISH COLUMBIA

Fig 2 - Claim map



Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands
- MTO Grid (MTO)
- Mineral Tenure (current)
- Mineral Claim
- Mineral Lease
- Mineral Reserves (current)
- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- First Nations Treaty Related Lands
- First Nations Treaty Lands
- Survey Parcels
- BCGS Grid
- Contours (1:250K)
- Contour - Index
- Contour - Intermediate
- Area of Exclusion
- Area of Indefinite Contours
- Transportation - Points (TRIM)
- Transportation - Lines (TRIM)
- Helipad
- Airfield
- Airport
- Airstrip
- Airport Abandoned
- Ferry Route
- Road (Gravel Undivided) - 1 Lane
- Road (Gravel Undivided) - 2 Lanes
- Road (Gravel Undivided) - U/C - 1 Lane
- Road (Gravel Undivided) - U/C - 2 Lanes
- Road (Paved Divided) - Not Elevated - 1 Lane Each Way
- Road (Paved Divided) - Not Elevated - 2 Lanes Each Way
- Road (Paved Divided) - U/C - Not Elevated - 2 Lanes Each Way
- Road (Paved Divided) - U/C - Not Elevated - 4 Lanes
- Road (Paved Undivided) - Not Elevated - 1 Lane
- Road (Paved Undivided) - Not Elevated - 2 Lanes
- Road (Paved Undivided) - Not Elevated - 3 Lanes
- Road (Paved Undivided) - Not Elevated - 4 Lanes
- Road (Unimproved)
- Cut (Roadway)
- Embankment/Fill (Roadway)
- Trail
- Bridge - Foot
- Bridge - Trestle
- Tunnel
- Bridge
- Rail Line (Double Track)
- Rail Line (Multiple Track)
- Rail Line (Single Track)
- Rail Line - Abandoned Track
- Spur
- Water - Points (TRIM)
- Rapids
- Dam
- Flooded Land - Inundated
- Marsh
- Swamp
- Sand/Gravel Bar
- Flow Arrow
- Arrowhead
- Island - Definite
- Island - Position Approximate
- Sinkhole
- Water Level
- Water - Lines (TRIM)
- Canal
- Dam
- Dam - Beaver
- Ditch
- Falls
- Flume
- Rapids
- River/Stream - Definite
- River/Stream - Dry
- River/Stream - Indefinite
- River/Stream - Left Bank
- River/Stream - Right Bank
- Dam - section.Base
- Flooded Land - Inundated
- Lake - Definite
- Lake - Indefinite
- Lake - Intermittent
- Reservoir - Definite
- Reservoir - Intermittent
- Marsh
- Swamp
- Glacier
- Icefield (cont)



Scale: 1:50,000

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.

Physiography and Local Infrastructure

The area of sampling is located on and around the northeastern to southern marginal areas of the Rolston Ranch located approximately 1.5 km east of the north end of Bluff Lake, on part of a perched outwash fan from Butler Creek. The work area lies between 900 and 1250 m above sea level on generally northwesterly slope near the base of "Butler Mtn." Above 1000m elevation, the mountain slopes become steep and are locally precipitous.

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.

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 Butler 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 Butler 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, JW Morton travelled up the MacDonald road and investigated 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 completed 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, Newrnac 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 outcropping rock 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 and 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.

Geology

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.

A third and essentially parallel fault, The Niut Fault runs through Butler Mountain.

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 "Homfels". 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.

Geochemistry

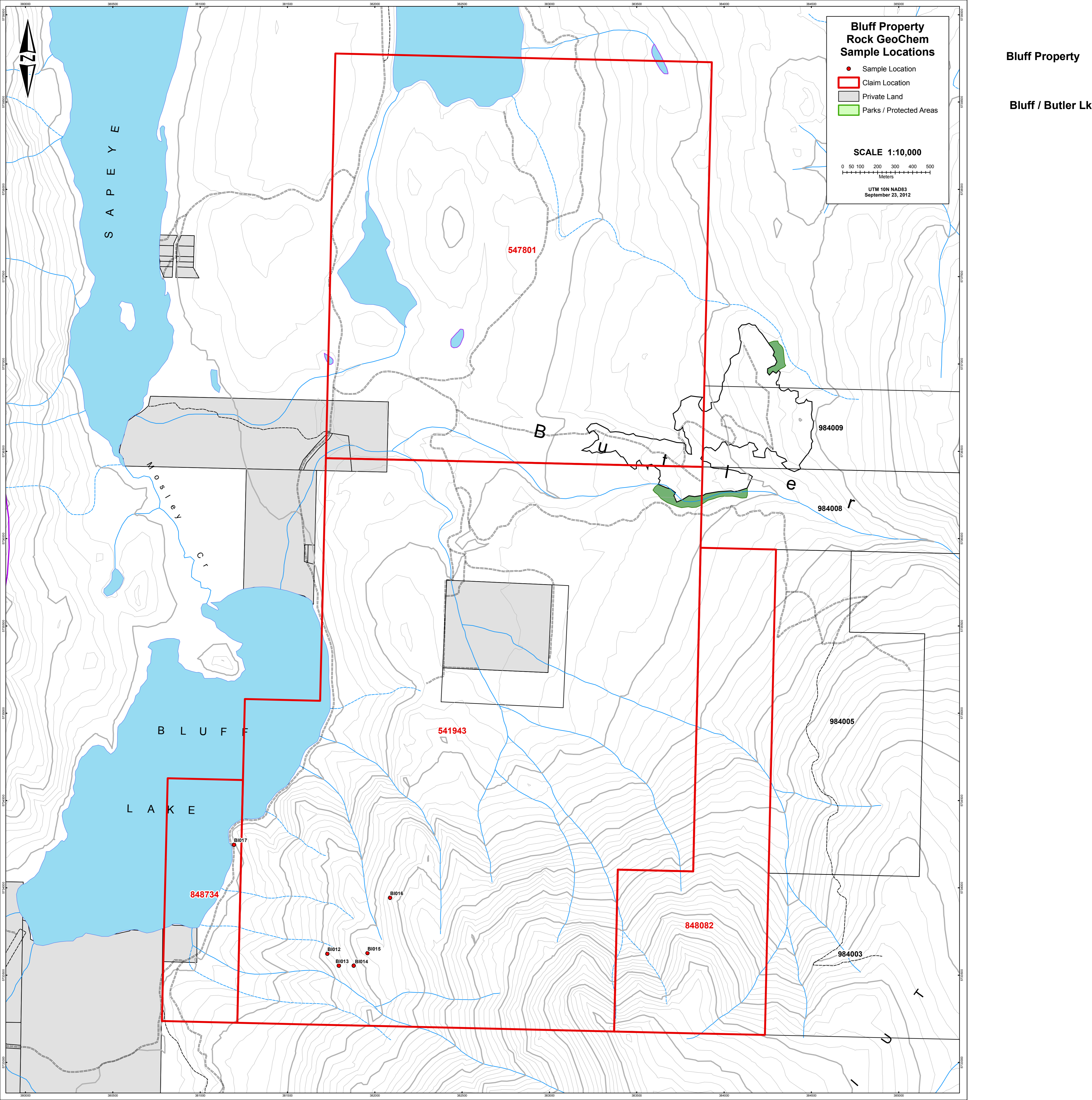
The 2012 geochemical program consisted of rock sampling, by Susan Rolston, on the Bluff and Bluff112 claims during the period May 17 to May 22, 2012. The purpose of the program was to expand the area of known mineralization around the Painted Bluff south and east to the flanks of Butler Mountain. Samples BL012 through BL016 were taken in areas of visible shearing with

developed gossen. Due to the difficult terrain, only five samples were taken on the flank of Butler Mountain. Sample B017 was taken from the bluff immediately above the bluff lake road where rock was being blasted for widening of the Bluff Lake road.

Sample No.	UTM Zone	UTM E	UTM N	Description
BL012	10 U	381729	5733622	rusty outcrop, cg diorite, strong hematite on fractures, 1% pyrite
BL013	10 U	381749	5733554	Float, fg diorite, strongly sheared, strong hematite on shear and fractures, 1% fg py
BL014	10 U	381880	5733552	O/C, diorite, fractured, tr arsenopyrite?, trace fg py.
BL015	10 U	381958	5733625	Float, fg andesite, silicified, qz flooded fractures, strong hematite on fracture, 1-2% py
BL016	10 U	382088	5733943	O/C, mg diorite, clay altered, 1% arsenopyrite?, 1-2% fg py, mod silicification, 3mm qz vnl
BL017	10 U	381194	5734247	O/C, fg andesite, tr epidote, mod silicification, 1-3% fg cpy, 1% fg py, with qz/carb veining.
Abbreviations: fg - fine grained, mg - medium grained, cg - coarse grained, py - pyrite, cpy - chalcopyrite,				
mod - moderate, qz - quartz, vnl - veinlet				

Table 2 - Rock Descriptions

Samples consisted of approximately 1.2 to 2.0kg of rock taken from outcrop or float in areas of particular interest. Samples were then described, numbered and bagged into standard poly ore bags and transported to camp. Samples were batched then transported by truck to a bonded cartage company in Williams Lake, which transported them to ALS Laboratories in Kamloops BC. Analyses were performed for 35 elements using industry standard ICP- Spectroscopy techniques, plus fire assay with atomic absorption finish for gold. Analytical descriptions are attached in Appendix 1.



**Bluff Property
Rock GeoChem
Sample Locations**

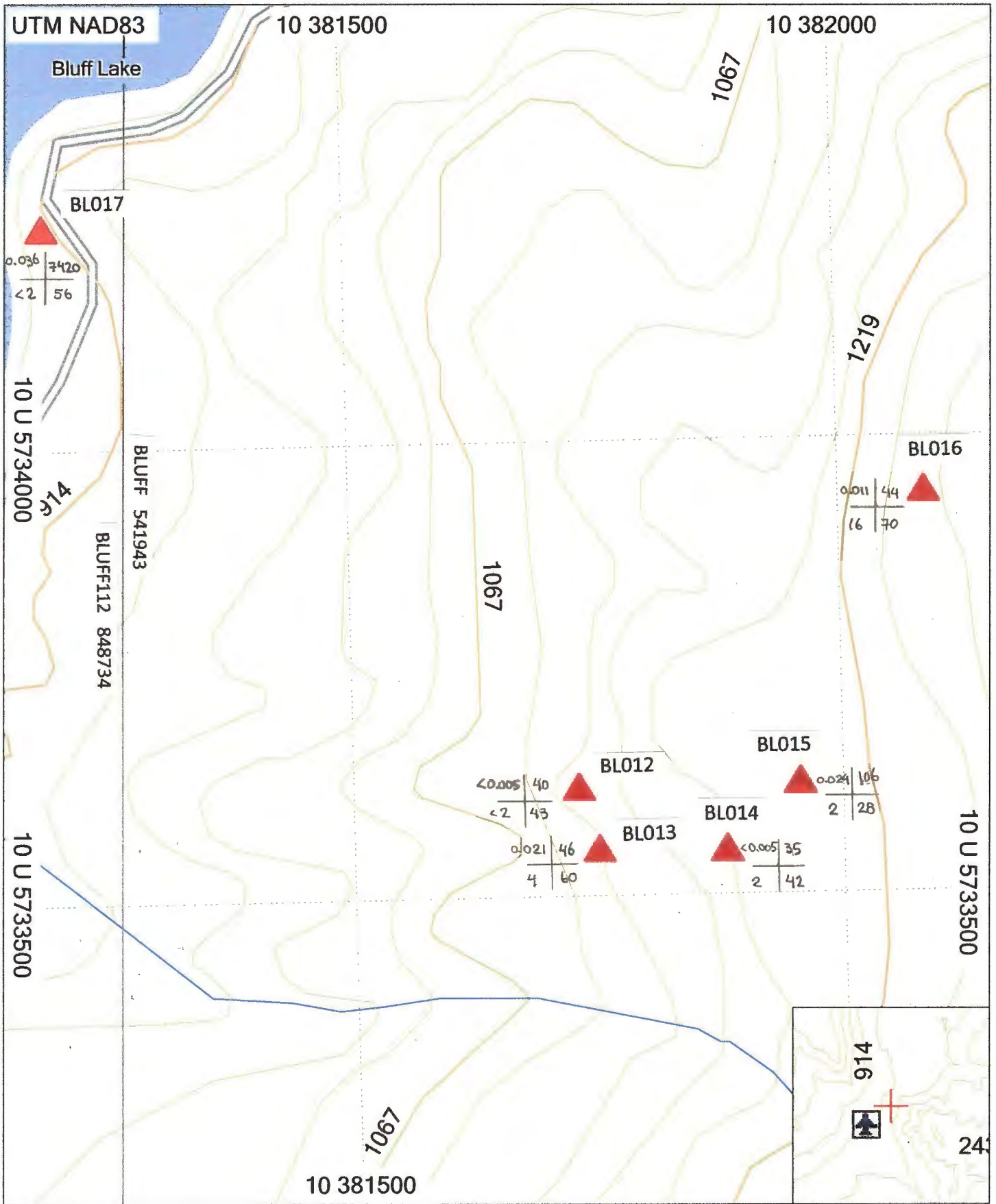
- Sample Location
- Claim Location
- Private Land
- Parks / Protected Areas

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Meters

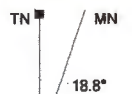
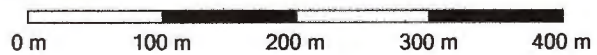
UTM 10N NAD83
September 23, 2012

Bluff Property
Bluff / Butler Lk



Topo Canada v4
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 ©DMTI Spatial 2008

1:5,714



Bluff Property

Figure 4 – Rock Assay Results Au/Cu/Pb/Zn

LEGEND

Au/gpt	Cu/ppm
Pb/ppm	Zn/ppm

GARMIN.

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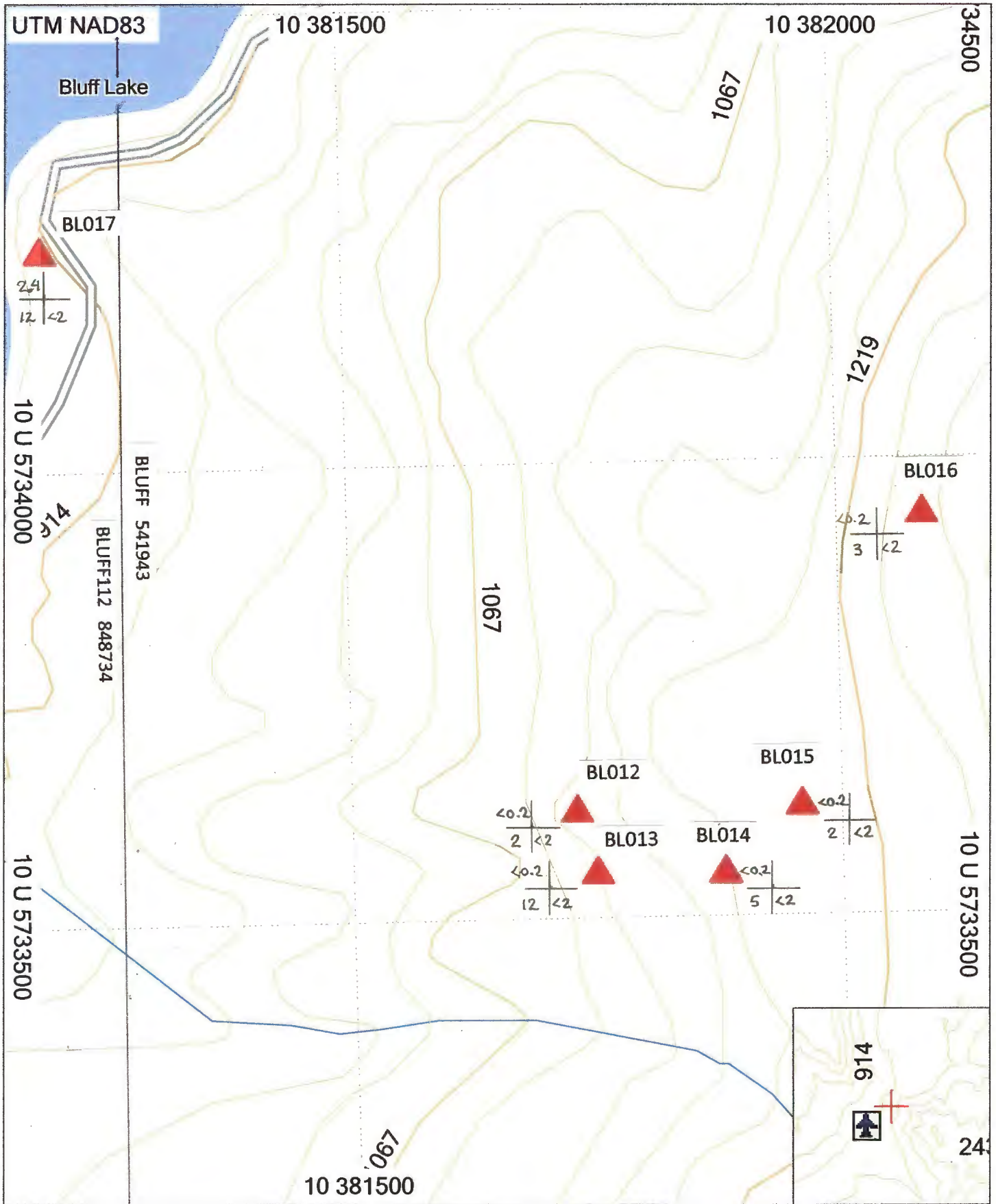


Figure 5 - Rock Assay Results Ag/As/Sb

Discussion and Interpretation

Of the six samples taken, only BL017 returned significant assay values; 0.742% Cu, 2.4ppm Ag and 100ppm W. This sample is consistent with the mineralization observed in the vicinity of the Painted Bluffs 900 metres east and hole BL 07-08, 1,300 metres east.

The Bluff Property holds potential for mineralization similar to the Fish Lake 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.

Continued reconnaissance rock geochem sampling is recommended in addition to a compilation of historical work performed on the property and adjacent areas.

Statement of Costs

Description	Amt			Rate	Total
Prospector/Sampler	5	days	@	\$400.00 /day	\$2,000.00
Room & Board	5	days	@	\$60.00 /day	\$300.00
Truck	450	km	@	\$0.55 /km	\$247.50
Shipping					\$25.89
Assays					\$288.85
Drafting					\$337.11
Report	1	day	@	\$600.00 /day	\$600.00
				Total	\$3,799.35

Table 3 - Statement of Costs

Statements of Qualifications

I, Roger C. MacDonald P.Geol, 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 January 23, 2013, of which I am the author.
- 3.) I graduated with a Bachelors Degree of Science (Department of Geology) from the University of British Columbia in 1988. I have worked twenty-two years as a geologist, throughout the BC/Yukon Cordillera, NWT/Nunavut, the Guiana Shield, SA and the Canadian Shield in Ontario since my graduation. I am a member in good standing with the Association of Professional Engineers and Geoscientists of BC and the Association of Professional Geoscientists of Ontario.
- 4.) I have been involved in exploration programs on the Bluff Property and adjacent claims from 2004 through 2012 and directed the work contained in this report.

Sealed and Signed at Vancouver, British Columbia, on January 23, 2013



Roger C. MacDonald, P.Geol.

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 7 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, January 24, 2013.



Susan E. Rolston

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Appendix I – Assay Certificates

GEOCHEMICAL PROCEDURE

ME-ICP41

TRACE LEVEL METHODS USING CONVENTIONAL ICP-AES ANALYSIS

SAMPLE DECOMPOSITION

Nitric Aqua Regia Digestion (GEO-AR01)

ANALYTICAL METHOD

Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP - AES)

A prepared sample is digested with aqua regia in a graphite heating block. After cooling, the resulting solution is diluted to 12.5 mL with deionized water, mixed and analyzed by inductively coupled plasma-atomic emission spectrometry. The analytical results are corrected for inter-element spectral interferences.

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.

ELEMENT	SYMBOL	UNITS	LOWER LIMIT	UPPER LIMIT	DEFAULT OVER-LIMIT METHOD
Silver	Ag	ppm	0.2	100	Ag-OG46
Aluminum	Al	%	0.01	25	
Arsenic	As	ppm	2	10,000	
Boron	B	ppm	10	10,000	
Barium	Ba	ppm	10	10,000	
Beryllium	Be	ppm	0.5	1,000	
Bismuth	Bi	ppm	2	10,000	
Calcium	Ca	%	0.01	25	
Cadmium	Cd	ppm	0.5	1,000	
Cobalt	Co	ppm	1	10,000	
Chromium	Cr	ppm	1	10,000	
Copper	Cu	ppm	1	10,000	Cu-OG46
Iron	Fe	%	0.01	50	
Gallium	Ga	ppm	10	10,000	
Mercury	Hg	ppm	1	10,000	
Potassium	K	%	0.01	10	
Lanthanum	La	ppm	10	10,000	

ME-ICP41

ELEMENT	SYMBOL	UNITS	LOWER LIMIT	UPPER LIMIT	DEFAULT OVER-LIMIT METHOD
Magnesium	Mg	%	0.01	25	
Manganese	Mn	ppm	5	50,000	
Molybdenum	Mo	ppm	1	10,000	
Sodium	Na	%	0.01	10	
Nickel	Ni	ppm	1	1,000	
Phosphorus	P	ppm	10	1,000	
Lead	Pb	ppm	2	1,000	Pb-OG46
Sulfur	S	%	0.01	10	
Antimony	Sb	ppm	2	1,000	
Scandium	Sc	ppm	1	1,000	
Strontium	Sr	ppm	1	1,000	
Thorium	Th	ppm	20	1,000	
Titanium	Ti	%	0.01	10	
Thallium	Tl	ppm	10	1,000	
Uranium	U	ppm	10	1,000	
Vanadium	V	ppm	1	1,000	
Tungsten	W	ppm	10	1,000	
Zinc	Zn	ppm	2	1,000	Zn-OG46

ELEMENTS LISTED BELOW ARE AVAILABLE UPON REQUEST

ELEMENT	SYMBOL	UNITS	LOWER LIMIT	UPPER LIMIT	DEFAULT OVER-LIMIT METHOD
Cerium	Ce	ppm	10	10,000	
Hafnium	Hf	ppm	10	10,000	
Indium	In	ppm	10	10,000	
Lithium	Li	ppm	10	10,000	
Niobium	Nb	ppm	10	10,000	
Rubidium	Rb	ppm	10	10,000	
Selenium	Se	ppm	10	10,000	
Silicon	Si	ppm	10	10,000	
Tin	Sn	ppm	10	10,000	
Tantalum	Ta	ppm	10	10,000	
Tellurium	Te	ppm	10	10,000	
Yttrium	Y	ppm	10	10,000	
Zirconium	Zr	ppm	5	10,000	

FIRE ASSAY PROCEDURE

Au-AA23 & Au-AA24

FIRE ASSAY FUSION, AAS FINISH

SAMPLE DECOMPOSITION

Fire Assay Fusion (FA-FUS01 & FA-FUS02)

ANALYTICAL METHOD

Atomic Absorption Spectroscopy (AAS)

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead.

The bead is digested in 0.5 mL dilute nitric acid in the microwave oven, 0.5 mL concentrated hydrochloric acid is then added and the bead is further digested in the microwave at a lower power setting. The digested solution is cooled, diluted to a total volume of 4 mL with de-mineralized water, and analyzed by atomic absorption spectroscopy against matrix-matched standards.

METHOD CODE	ELEMENT	SYMBOL	UNITS	SAMPLE WEIGHT (G)	LOWER LIMIT	UPPER LIMIT	DEFAULT OVERLIMIT METHOD
Au-AA23	Gold	Au	ppm	30	0.005	10.0	Au-GRA21
Au-AA24	Gold	Au	ppm	50	0.005	10.0	Au-GRA21



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BOX 32
TATLA LAKE BC V0L 1V0

Page: 1
Finalized Date: 20-JUN-2012
Account: TCHRES

CERTIFICATE VA12138470

Project: Bluff

P.O. No.:

This report is for 6 Rock samples submitted to our lab in Kamloops, BC, Canada on 18-JUN-2012.

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
FND- 03	Find Reject for Addn Analysis
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA23	Au 30g FA- AA finish	AAS

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.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 2 (A)
 Finalized Date: 20-JUN-2012
 Account: TCHRES

Project: Bluff

CERTIFICATE OF ANALYSIS VA12138470

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA23 Au ppm 0.005
BL012		1.81	<0.005
BL013		1.46	0.021
BL014		1.84	<0.005
BL015		2.00	0.024
BL016		1.58	0.011
BL017		1.17	0.038



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Page: 1
Finalized Date: 1- JUN- 2012
This copy reported on
4- JUN- 2012
Account: TCHRES

CERTIFICATE KL12116304

Project: Bluff

P.O. No.:

This report is for 6 Rock samples submitted to our lab in Kamloops, BC, Canada on 28- MAY- 2012.

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
CRU- QC	Crushing QC Test
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um


ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: TCHAIKAZAN RESOURCES INC.
ATTN: SUSAN ROLSTON
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.

Signature:



Colin Ramshaw, Vancouver Laboratory Manager



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Project: Bluff

CERTIFICATE OF ANALYSIS KL12116304

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %	ME- ICP41 Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
BL012		1.81	<0.2	2.02	2	<10	10	<0.5	<2	1.12	<0.5	10	37	40	2.57	10
BL013		1.46	<0.2	5.35	12	<10	<10	<0.5	<2	3.91	<0.5	10	43	46	3.78	10
BL014		1.84	<0.2	3.29	5	<10	10	<0.5	<2	2.16	<0.5	10	42	35	3.20	10
BL015		2.00	<0.2	2.41	2	<10	10	<0.5	<2	2.08	<0.5	18	36	106	3.11	10
BL016		1.58	<0.2	2.57	3	<10	20	<0.5	<2	1.15	0.5	27	48	44	4.28	10
BL017		1.17	2.4	4.17	12	<10	30	<0.5	2	2.76	<0.5	19	14	7420	2.47	10



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Project: Bluff

CERTIFICATE OF ANALYSIS KL12116304

Sample Description	Method Analyte Units LOR	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Th ppm
BL012		<1	0.08	<10	1.02	347	<1	0.10	11	410	<2	0.37	<2	4	15	<20
BL013		<1	0.01	<10	1.87	572	<1	0.03	8	350	4	0.11	<2	10	9	<20
BL014		1	0.04	<10	1.44	512	<1	0.06	12	410	2	0.21	<2	8	6	<20
BL015		<1	0.03	<10	1.01	414	<1	0.08	26	430	2	1.04	<2	3	10	<20
BL016		1	0.10	<10	1.64	276	<1	0.23	30	490	16	1.82	<2	4	36	<20
BL017		<1	0.08	<10	0.63	196	<1	0.34	14	390	<2	0.75	<2	3	105	<20



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Project: Bluff

CERTIFICATE OF ANALYSIS KL12116304

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti	Ti	U	V	W	Zn
		%	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2
BL012		0.15	<10	<10	61	<10	43
BL013		0.16	<10	<10	92	<10	60
BL014		0.15	<10	<10	79	<10	42
BL015		0.14	<10	<10	49	<10	28
BL016		0.17	<10	<10	74	<10	70
BL017		0.10	<10	<10	40	100	56