



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)]: Prospecting

TOTAL COST: \$7,122.69

AUTHOR(S): Lloyd Addie SIGNATURE(S): \_\_\_\_\_

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): \_\_\_\_\_ YEAR OF WORK: 2013

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5464037

PROPERTY NAME: Begbie

CLAIM NAME(S) (on which the work was done): Black Tourmaline 702723 B.B. 834742 Begbie1 1012272 Begbie2 1012273 Begbie3 1012274 Begbie5 1012276 Cliff 1013937 OOHHLALA 1020063

COMMODITIES SOUGHT: Gems and Rare Earths

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 082LNE015

MINING DIVISION: Revelstoke NTS/BCGS: 082L/16 082L 089

LATITUDE: 50 ° 53 ' 22 " LONGITUDE: 118 ° 13 ' 92 " (at centre of work)

OWNER(S):  
1) Lloyd Addie 2) \_\_\_\_\_

MAILING ADDRESS:  
1102 Gordon Road A-801  
Nelson BC V1L 3M4

OPERATOR(S) [who paid for the work]:  
1) Lloyd Addie 2) \_\_\_\_\_

MAILING ADDRESS:  
1102 Gordon Road A-801  
Nelson BC V1L 3M4

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):  
Tourmaline and Beryl bearing Pegmatites cut accross Precambrian-Paleozoic sediments

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: \_\_\_\_\_

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
<b>GEOLOGICAL (scale, area)</b>			
Ground, mapping			
Photo interpretation	3km	702723,834742,1012272,1012273,1012274	\$871.70
<b>GEOPHYSICAL (line-kilometres)</b>			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
<b>GEOCHEMICAL (number of samples analysed for...)</b>			
Soil			
Silt			
Rock	27 rock by 4 Acid Ultratrace ICP-MS	7022723,834742,1012272,1012273,1012274	\$925.21
Other	rock bags and shipping		\$80.53
<b>DRILLING (total metres; number of holes, size)</b>			
Core			
Non-core			
<b>RELATED TECHNICAL</b>			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)	3km	702723,834742,1012272,1012273,1012274	\$4445.25
<b>PREPARATORY / PHYSICAL</b>			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other	Report prep		\$800.00
<b>TOTAL COST:</b>			<b>\$7122.69</b>

# PROSPECTING REPORT ON

## BEGBIE PROPERTY

BC Geological Survey  
Assessment Report  
34399

**MINING DIVISION: REVELSTOKE**

**NTS MAPSHEETS: 082L/16**

**LATITUDE: 50° 53' 22"**

**LONGITUDE: 118° 13' 92"**

**UTM ZONE 11 413340E 5637981N**

**BCGS MAPSHEETS: 082L 089**

**OWNER/OPERATOR/AUTHOR:  
LLOYD ADDIE**

**NOVEMBER 2013**

---

**TABLE OF CONTENTS**  
**BEGBIE PROJECT**

---

	page
1.0 INTRODUCTION	1
2.0 PROJECT RATIONALE	1
3.0 LOCATION AND ACCESS	1
4.0 GENERAL SETTING	5
5.0 MINERAL CLAIMS INFORMATION	5
6.0 HISTORY AND PREVIOUS WORK	5
7.0 GEOLOGY & MINERALIZATION	7
8.0 SAMPLING PROCEDURE	11
9.0 SAMPLE PREPARATION AND ANALYSES	11
10 .0 DATA PRESENTATION	11
11.0 OBSERVATIONS	11
12.0 COMMENTS & RECOMMENDATIONS	11

**FIGURES**

1A PROPERTY LOCATION MAP BC	2
1B CLAIM LOCATION MAP LOCAL	3
3 GEOLOGY MAP	6
4A BEGBIE SAMPLE SITES	8
4B BEGBIE ROCK SAMPLES North	9
4C BEGBIE ROCKS South	10

**APPENDICES**

I	BIBLIOGRAPHY
II	GEOCHEMICAL ANALYSES
III	STATEMENTS OF QUALIFICATIONS
IV	STATEMENT OF COSTS



## **1.0 INTRODUCTION:**

This report has been prepared for the purpose of filing for assessment work credit and fulfilling the requirements of the Mineral Act and Regulations.

In 2012 I bought the Black Tourmaline and B.B. cells from Herb Hyder based on beryl crystals he showed me. I was more interested in looking for coloured tourmaline that Minfile mentions in 082LNE015. I know 6 prospectors and geologists that have gone looking for coloured tourmaline on Mt Begbie with no luck, I thought I would try. I flew up to the claims with Herb Hyder in the summer of 2012. We camped on the mountain above tree line and endured a thunder and lightning storm with high winds that blew my tent flat on top of me all night. We woke up to an inch of snow in the middle of the summer. Prospecting that day Herb found a boulder with green tourmaline and lepidolite. On closer inspection of the boulder we found both green and pink tourmaline. We made a second trip up that summer after I bought myself an expensive mountain tent and all new camping gear. As we were flying to the showing I spotted a large pegmatite crossing geology. I sent Herb in the Helicopter to go prospect the pegmatite. He found a second showing of green and pink tourmaline in pegmatite.

In 2013 I made two trips up to Mt Begbie, August 6 I flew in a helicopter with a HD video camera and flew around my cells. I then watched the video frame by frame on a big screen TV looking for pegmatites that cross geology. I spotted several targets with one of them being very large. August 15<sup>th</sup> Jack Denny, Bob Denny and I drove with 2 trucks from Nelson to Mt. Begbie. Camped and left one truck on a logging road for safety if the helicopter could not pick us up on the 3<sup>rd</sup> day. We then drove to 3 Valley Gap and flew with Glacier Helicopters to my cells on Mt. Begbie. We camped and prospected for 3 days. 27 rock samples of pegmatite were taken and run for 4 Acid Digestion Ultratrace ICP-MS. The large pegmatite spotted from the helicopter turned out to be the third showing of lepidolite, green and pink tourmaline.

## **2.0 PROJECT RATIONALE:**

I have over 15 years experience prospecting for gems. I have taken courses and attend the Tucson Rock and Gem show to learn about their value. It is only the high value gems that have a chance of competing with Brazil or California. Watermelon or Pink tourmaline can command very high prices for specimens or for cutting stones. I decided to sample every pegmatite for rare earths to see if there was a REE target, and to see if the chemistry gave some sort of vector that could suggest the best place to look for gems.

## **3.0 LOCATION AND ACCESS:**

The Begbie property is located in the Revelstoke Mining Division, about 12 kilometers South West of the City of Revelstoke. Access is via hiking trail or helicopter. To the east of the property is a series of logging roads that come to within 2.5km of the cells.

Figure 1A

Tenure Number	Type	Claim Name	Good Until	Area (ha)
<a href="#">702723</a>	Mineral	BLACK TOURMALINE	20170120	61.1604
<a href="#">834742</a>	Mineral	B.B.	20171001	40.7753
<a href="#">1012272</a>	Mineral	BEGBIE1	20170826	20.3903
<a href="#">1012273</a>	Mineral	BEGBIE2	20160826	20.3886
<a href="#">1012274</a>	Mineral	BEGBIE3	20170826	20.3868
<a href="#">1012276</a>	Mineral	BEGBIE5	20170826	20.3903
<a href="#">1013937</a>	Mineral	CLIFF	20171023	20.3902
<a href="#">1020063</a>	Mineral	OOHHLALA	20170603	20.385

Total Area: 224.2669 ha

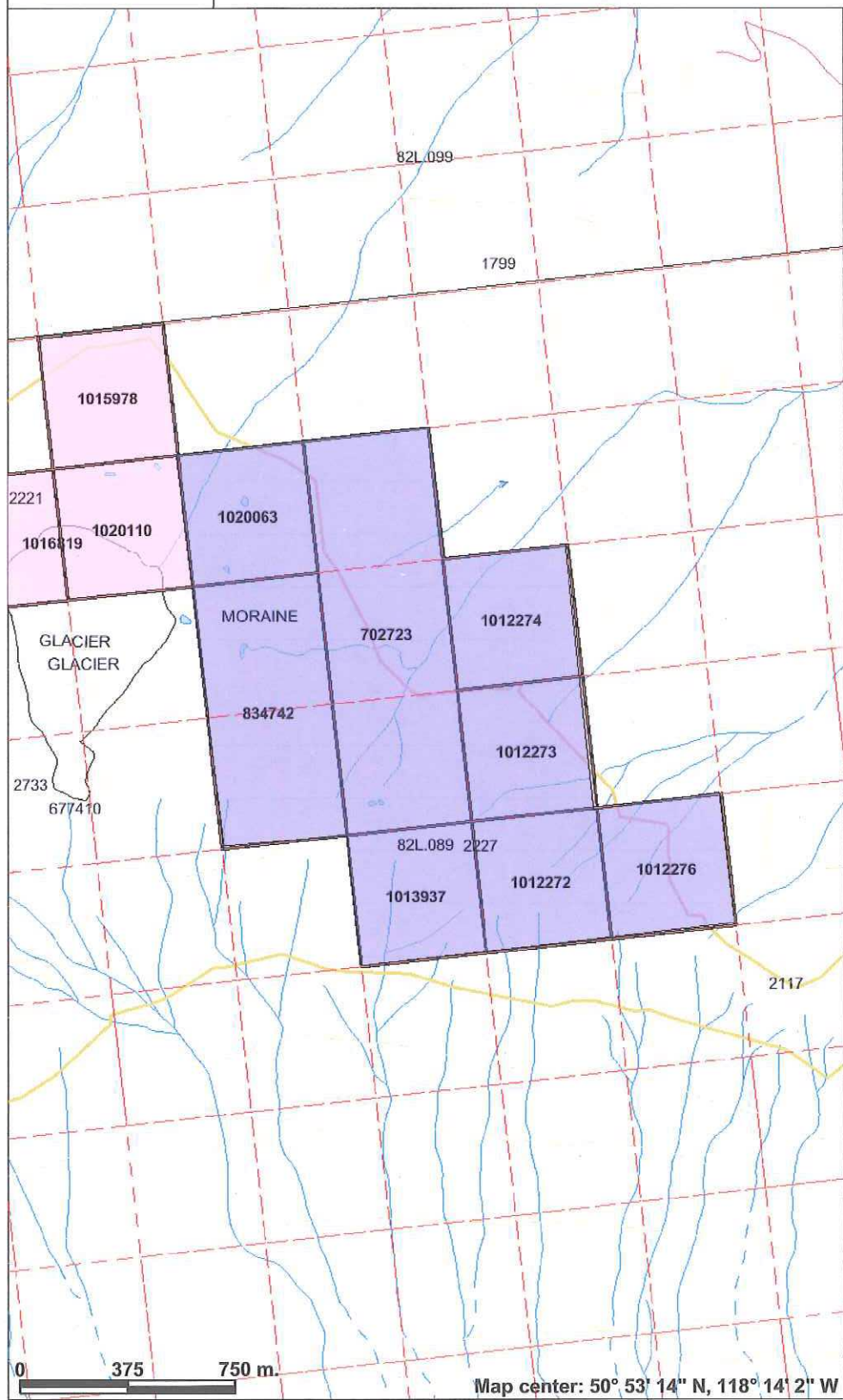


Map Center: 54.4781N 124.7082W



# Begbie Claim Map

FIGURE 1B



### 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
- Integrated Cadastral Fabric
- Survey Parcels
- BCGS Grid
- Contours (1:250K)
- Contour - Index
- Contour - Intermediate
- Area of Exclusion
- Area of Indefinite Contours
- Annotation (1:20K)
- Transportation - Points (TRIM)
- Helipad
- Transportation - Lines (TRIM)
- 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 Undivided) - Not Elevated

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.

#### 4.0 GENERAL SETTING:

Elevations range from about 1800 metres near the East side of the property to about 2200 metres on the West side of the cells. The area is generally snow free from mid July late October. In general, the terrain steep with the exception of the plateau on the south side of the cells.

Outcrop is common at the higher elevations. Treeline is about 2000 metres, lower elevations have overburden that conceals the rocks.

Vegetation in the area consists mainly of coniferous forest and there has been clearcut logging and road construction below the property in recent years.

#### 5.0 MINERAL CLAIMS INFORMATION:

The Begbie Property currently consists of 8 contiguous Mineral Cells covering an area of about 224 hectares. The following information reflects expiry dates which are subject to the approval of this report:

<u>Tenure Number</u>	<u>Type</u>	<u>Claim Name</u>	<u>Good Until</u>	<u>Area (ha)</u>
<a href="#">702723</a>	Mineral	BLACK TOURMALINE	20170120	61.1604
<a href="#">834742</a>	Mineral	B.B.	20171001	40.7753
<a href="#">1012272</a>	Mineral	BEGBIE1	20170826	20.3903
<a href="#">1012273</a>	Mineral	BEGBIE2	20160826	20.3886
<a href="#">1012274</a>	Mineral	BEGBIE3	20170826	20.3868
<a href="#">1012276</a>	Mineral	BEGBIE5	20170826	20.3903
<a href="#">1013937</a>	Mineral	CLIFF	20171023	20.3902
<a href="#">1020063</a>	Mineral	OOHHLALA	20170603	20.385

The Figure 2 map contained in this report shows the Mineral Claims comprising the Begbie Property.

#### 6.0 HISTORY AND DEVELOPMENT:




As best as I can determine, there is no record of previous exploration on my Begbie cells. Minfile 082LNE015 says "One small dike (up to 1.5 metres wide) on the northeast side of Mount Begbie peak, on the lower edge of a snowfield, contains black, green and red varieties of tourmaline, green beryl, garnet and lepidolite. The crystals of tourmaline are scattered and are up to 2.5 centimetres." This quote is almost identical to the Begbie 1 showing so it could be the same one or a similar one. No evidence of past work such as broken rock was seen on any of the 3 showings (Begbie 1, Herb, or Giagantor).



**MTO Mineral Titles Layers**

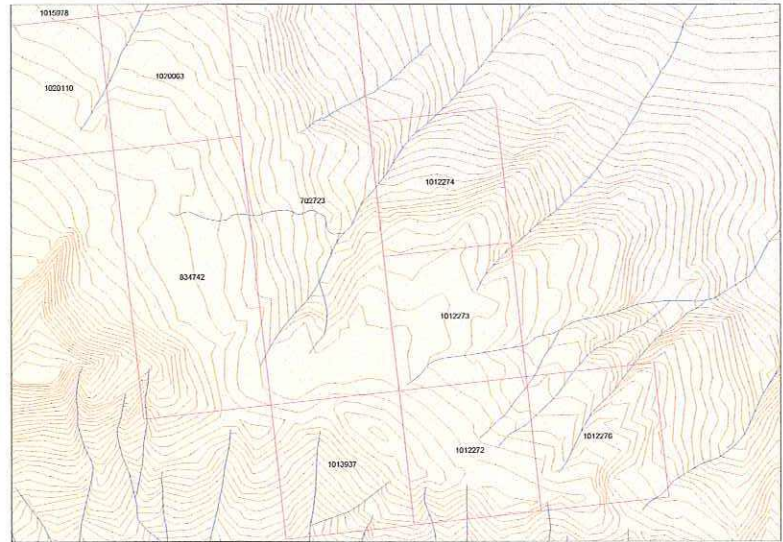
-  MTO Mineral Claim Outlines
-  Mineral

**Topographic Layers**

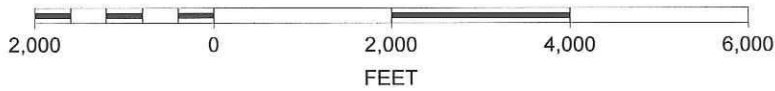
-  Contours east 1:20K (<100K)
-  Lakes 1:50K (<300K)
-  Large Rivers 1:50K (<300K)
-  Rivers 1:50K (<300K)
-  Rivers 1:20K (<100K)
-  Sea

**Grid Layers**

- 



SCALE 1 : 25,921



N



## **7.0 GEOLOGY AND MINERALIZATION:**

Mapplace shows the Begbie property to be underlain by flat lying PrPzMmc Proterozoic to Lower Paleozoic Monashee Complex calcsilicate metamorphic rock. The 4 pegmatites of interest discovered by this prospecting program all cut across the flat lying metamorphic rocks. There are many pegmatites that follow the geology but none showed a lithium concentration.

The pegmatites of interest are Begbie 1 which is located on cell 834742 at an elevation of 2100M, the showing has two boulders of pegmatite with small areas of lepidolite, green, pink and black tourmaline, minor beryl and garnet. One small vug had a 1cm long quartz crystal with a tiny gem quality green tourmaline and a small pink tourmaline. Other pink tourmalines of specimen quality (non gem) were found up to 3cm long and 1cm wide. The boulders are 15 metres below an outcrop that looks like a perfect fit. The pegmatite in outcrop is 2 metres wide and strikes 110 degrees with a steep dip.

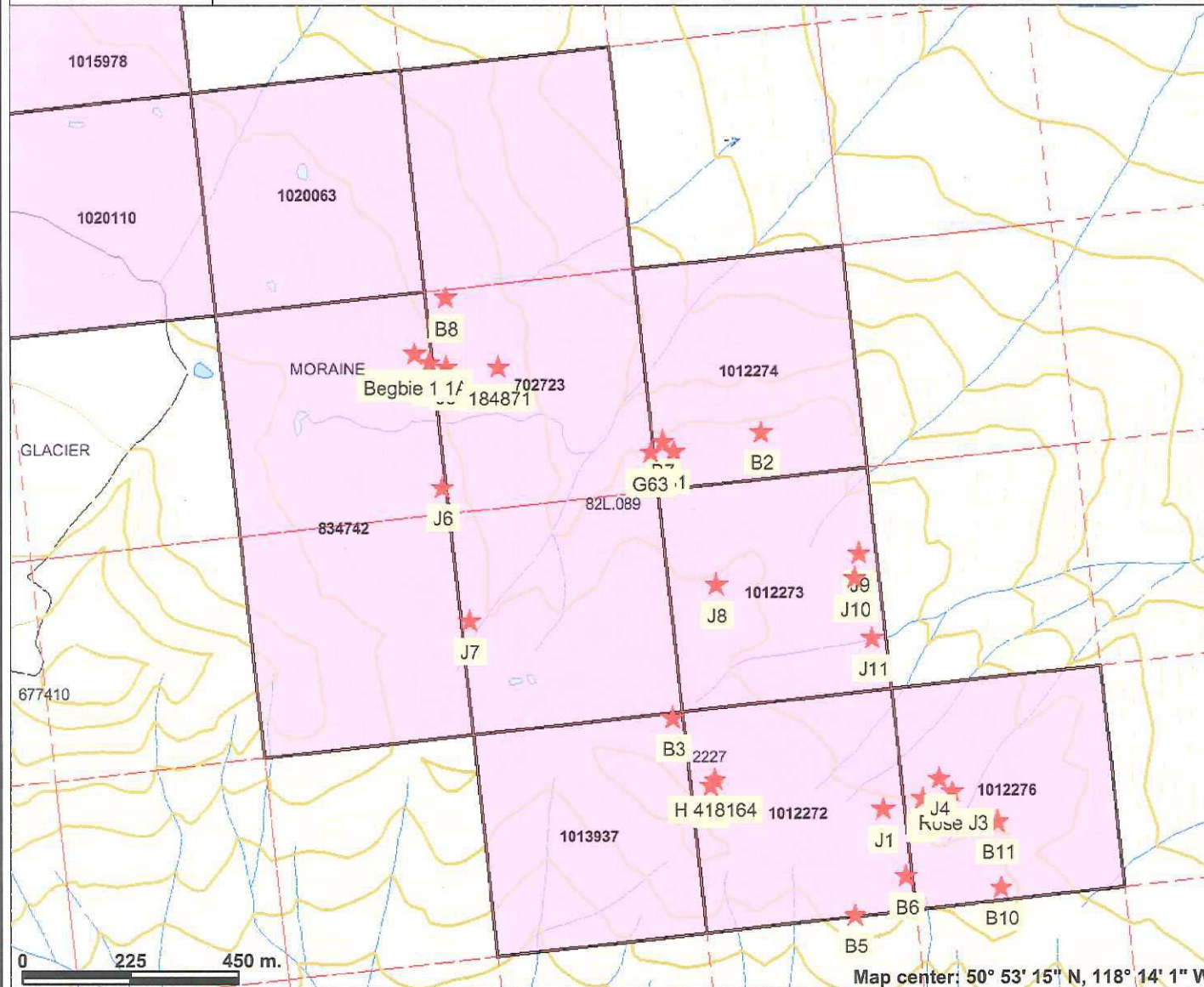
The Giagantor showing is located on cell 1012274 at an elevation of 2000M. Two large pegmatites are exposed in a cliff, the one on the east is 6 metres wide and the one on the west side is 2 metres wide. Large amounts of black tourmaline are in both dikes but only one lepidolite pocket was found in the dike on the west side. Green and Pink tourmaline up to 2cm wide and 6cm long were found but they are opaque. The dike strikes 105 degrees and dips 75 degrees North.

The Herb showing is located on cell 1012272 at an elevation of 2200M. The pegmatite is 2M wide and exposed off and on for 50M. One pocket of lepidolite with green and pink tourmaline was found but the quality is low. Small gemmy fragments of pink tourmaline were found giving some hope that larger pieces could exist. The dike strikes 020 degrees and dips 60 degrees N.W. The dike also has large amounts of black tourmaline and one area with beryl crystals.

The Rose showing is located on cell 1012272 at an elevation of 2100M. The showing is a large zoned pegmatite with widths of 2 to 4M. Rose Quartz, some of gem quality exists in the core of the pegmatite. I had two small stones cut, the value is low. The dike strikes 110 degrees and dips 90 degrees. The dike also has large amounts of black tourmaline and one patch of beryl.



# Begbie sample sites



## 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
- Integrated Cadastral Fabric
- Survey Parcels
- BCGS Grid
- Contours (TRIM)
-  Contour - Index
-  Contour - Index.Indefinite
-  Contour - Index.Depression
-  Contour - Index.Depression Indefinite
-  Contour - Intermediate
-  Contour - Intermediate.Indefinite
-  Contour - Intermediate.Depression

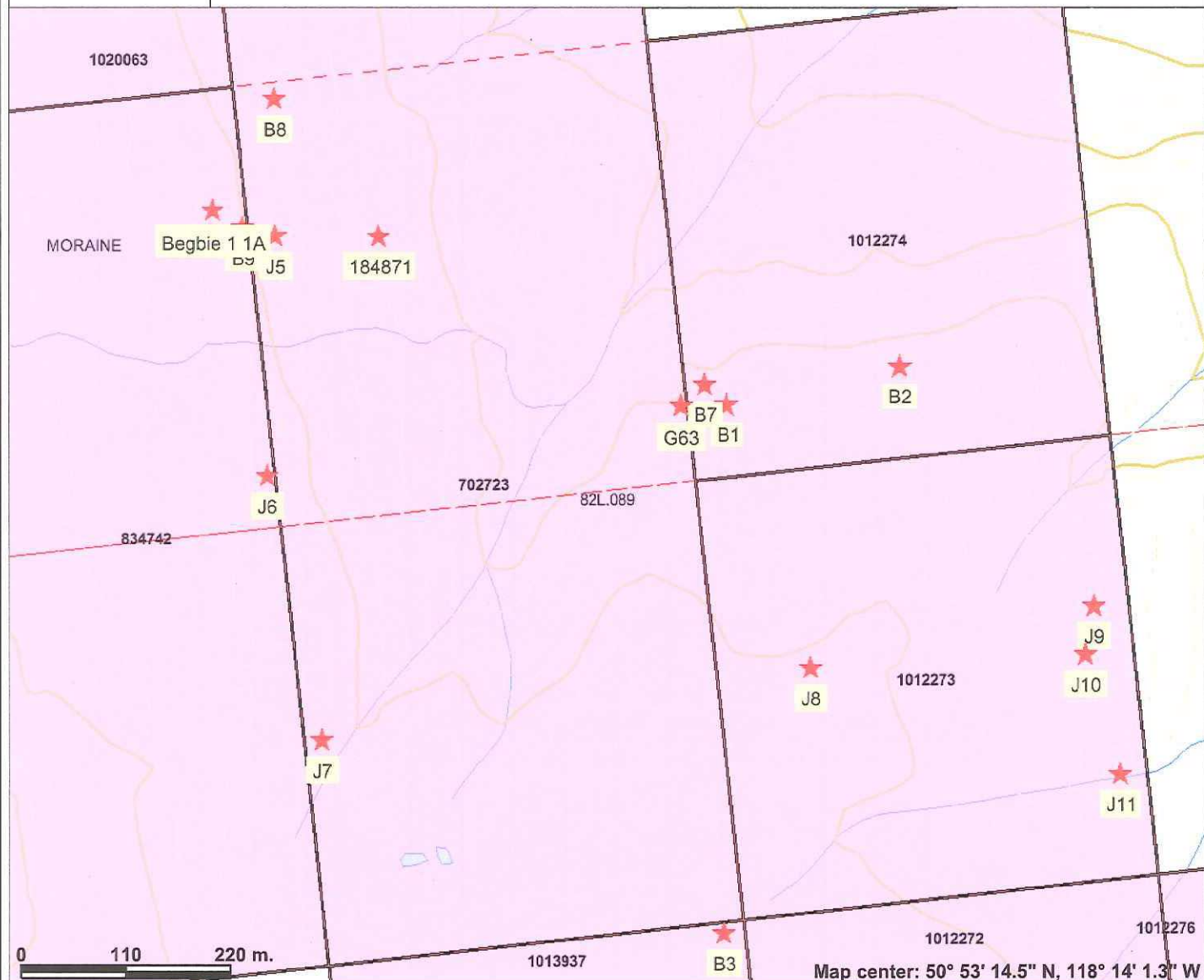


Scale: 1:12,630

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.



# Begbie rock samples



### Legend

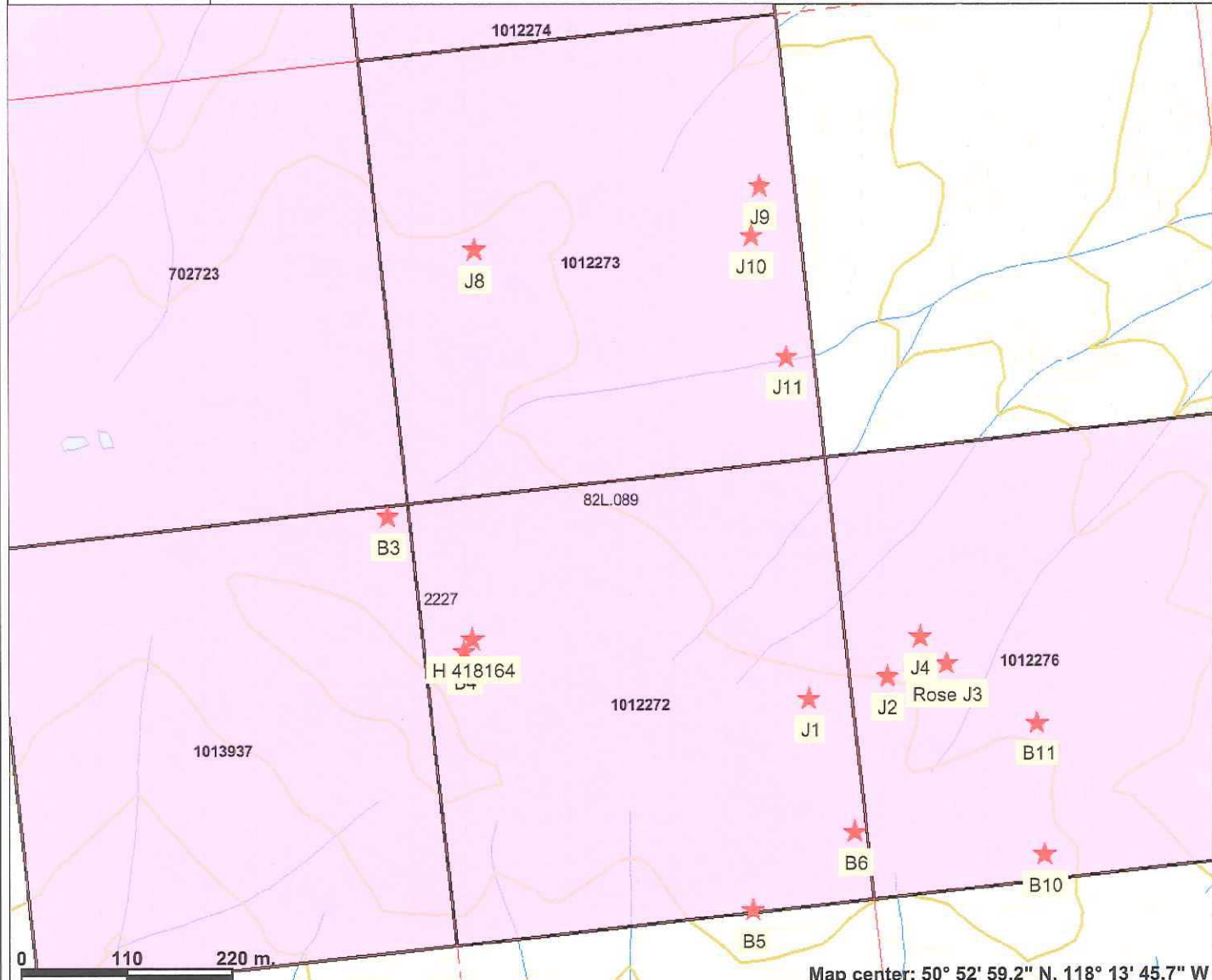
- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands
- MTO Grid (MTO)
- Mineral Tenure (current)**
- Mineral Claim
- Mineral Lease
- Mineral Reserves (current)**
- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- First Nations Treaty Related Lands
- First Nations Treaty Lands
- Integrated Cadastral Fabric
- Survey Parcels
- BCGS Grid
- Contours (TRIM)**
- Contour - Index
- Contour - Index.Indefinite
- Contour - Index.Depression
- Contour - Index.Depression Indefinite
- Contour - Intermediate
- Contour - Intermediate.Indefinite
- Contour - Intermediate.Depression

Scale: 1:6,315

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.



# Begbie rocks



### 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
- Integrated Cadastral Fabric
- Survey Parcels
- BCGS Grid
- Contours (TRIM)
- Contour - Index
- Contour - Index.Indefinite
- Contour - Index.Depression
- Contour - Index.Depression Indefinite
- Contour - Intermediate
- Contour - Intermediate.Indefinite
- Contour - Intermediate.Depression

Scale: 1:6,315

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.

Map center: 50° 52' 59.2" N, 118° 13' 45.7" W

## **8.0 SAMPLING PROCEDURE:**

In 2013, 27 pegmatites were sampled, bagged, flagged and notes taken. All samples were shipped by Greyhound to Acme Analytical Labs in Vancouver for geochemical analyses.

## **9.0 SAMPLE PREPARATION AND ANALYSIS:**

Rock samples were crushed and pulverized by Acme Labs to a 250 g sample, then a split of 0.25g is analysed by 4 Acid Digestion Ultratrace ICP-MS

## **10.0 DATA PRESENTATION:**

The rock sample locations are plotted on maps, the 4 pegmatites with anything of interest are shown as Begbie1, G63(Giangantor), H 418164 (Herb) and Rose. All other sample locations are plotted with the same letters as the assay sheet. I showed my assay sheets to an expert on Rare Earth Elements and he told me the numbers are way too low to be a rare earth target. The only numbers that were high were Lithium but the lithium occurs as lepidolite pockets that occur rarely along an otherwise barren pegmatite. The lithium is also in the same place as the coloured tourmaline so the Begbie1, G63(Giangantor), H 418164 (Herb) are the only dikes of any possible economic interest.

## **11.0 OBSERVATIONS:**

The distance between the Begbie 1 showing and the Giagantor showing is approximately 450M. The two showings have a similar strike and there is a 100M difference in elevation. The Herb showing is a further 600M from Giagantor and 200M higher in elevation with a totally different strike than the other two showings. There are large areas of outcrop at higher elevations and the dikes that cross the geology are not that common.

## **12.0 COMMENTS & RECOMMENDATIONS:**

1. Rare Earth analysis of the 27 pegmatites has shown anomalous concentrations but not in economic amounts.
2. The chemistry did not produce any vector. The 3 showings with coloured tourmaline all have similar chemistry yet they located far apart in both distance and elevation.
3. Prospecting of other pegmatites should continue since there are likely others we missed, especially below treeline.
4. The 3 pegmatites with coloured tourmalines should be stripped of overburden and blasted to expose fresh outcrop where lepidolite pockets occur.

  
LLOYD ADDIE



**BIBLIOGRAPHY**

Minfile 082LNE 015

Name	MOUNT BEGBIE	Mining Division	Revelstoke, Vernon
		BCGS Map	082L089
Status	Showing	NTS Map	082L16E
Latitude	<a href="#">50° 53' 18" N</a>	UTM	11 (NAD 83)
Longitude	<a href="#">118° 14' 52" W</a>	Northing	5638149
		Easting	412235
Commodities	Gemstones, Beryl	Deposit Types	001 : Rare element pegmatite - LCT family
Tectonic Belt	Omineca	Terrane	Monashee

**Geology** Numerous tourmaline-bearing pegmatite dikes occur in laminated, gently dipping micaceous quartzites of the Precambrian-Paleozoic(?) Monashee Complex (Group). The quartzites, which cap Mount Begbie, also contain disseminated tourmaline as an accessory component. The pegmatites are considered to be of Mesozoic age and occur as lenticular sill-like sheets. Some dikes cut sharply across bedding planes along fault-fractures. Conspicuous amounts of black tourmaline (schorl) are evident in the dikes and occur in thick, prismatic crystals up to 7.6 centimetres long.

One small dike (up to 1.5 metres wide) on the northeast side of Mount Begbie peak, on the lower edge of a snowfield, contains black, green and red varieties of tourmaline, green beryl, garnet and lepidolite. The crystals of tourmaline are scattered and are up to 2.5 centimetres.

**Bibliography** GSC EC GEOL \*23, pp. 60,61  
 ;GSC MAP 235A; 1059A  
 ;GSC MEM \*296, p. 162  
 ;GSC OF 481; 658

Mineralogy and geochemistry of pegmatites on Mount Begbie, British Columbia

<https://circle.ubc.ca/handle/2429/45440>

**GEOCHEMICAL ICP ANALYSIS**



www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: Addie, Lloyd
1102 Gordon Road A-801
Nelson BC V1L 3M4 Canada

Submitted By: Lloyd Addie
Receiving Lab: Canada-Vancouver
Received: August 23, 2013
Report Date: September 07, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN13003335.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 27

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Procedure Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Contains two rows of sample preparation data.

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Addie, Lloyd
1102 Gordon Road A-801
Nelson BC V1L 3M4
Canada

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client, Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.





www.acmelab.com

Client: **Addie, Lloyd**  
 1102 Gordon Road A-801  
 Nelson BC V1L 3M4 Canada

Project: None Given  
 Report Date: September 07, 2013

Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Page: 2 of 2 Part: 1 of 4

CERTIFICATE OF ANALYSIS

VAN13003335.1

Method	Analyte	Unit	MDL	WGHT	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T		
				Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
				kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
BEGBIE1A	Rock			0.85	0.06	1.74	8.68	13.7	117	0.4	0.2	1741	0.17	3.9	1.7	<0.1	<0.1	<1	0.11	2.44	55.50	<1	0.07
BEGBIE1	Rock			2.03	<0.05	1.00	16.37	36.4	<20	0.3	<0.2	583	0.54	5.1	3.2	<0.1	0.8	2	0.12	3.14	5.12	<1	0.11
184871	Rock			1.21	0.39	53.42	28.89	102.7	104	23.3	52.9	2517	8.44	2.5	1.0	<0.1	2.8	412	0.41	0.48	1.08	340	10.71
48163	Rock			1.00	<0.05	0.78	2.52	55.0	<20	0.4	1.3	2504	0.12	3.1	13.6	<0.1	0.9	<1	0.97	0.15	48.33	<1	0.02
48164	Rock			0.95	<0.05	1.28	1.58	8.7	<20	1.4	0.6	1145	0.17	7.1	1.2	<0.1	1.1	67	0.18	0.21	1.04	<1	0.05
13J-001	Rock			0.32	0.09	6.05	49.48	60.4	32	1.5	1.0	57	0.36	0.8	0.1	<0.1	0.3	130	0.06	3.21	0.18	2	0.67
13J-002	Rock			0.84	0.17	8.51	45.13	10.4	<20	0.4	0.5	276	0.62	0.2	2.8	<0.1	0.6	17	0.05	0.04	0.14	<1	0.39
13J-003	Rock			1.03	<0.05	0.61	0.15	2.7	<20	0.4	<0.2	25	0.20	0.5	<0.1	<0.1	<0.1	<1	<0.02	0.02	0.19	<1	<0.02
13J-004	Rock			0.45	<0.05	0.87	19.65	17.3	<20	0.7	0.4	2719	0.47	0.7	1.0	<0.1	0.7	6	0.53	<0.02	24.32	<1	0.10
13J-005	Rock			0.37	<0.05	1.21	6.46	35.5	658	0.2	<0.2	1071	0.20	4.7	3.1	<0.1	<0.1	<1	0.19	4.16	206.5	<1	0.08
13J-006	Rock			1.00	<0.05	0.88	38.22	3.7	<20	0.4	0.2	34	0.27	<0.2	2.5	<0.1	0.5	14	0.03	<0.02	0.64	<1	0.34
13J-007	Rock			0.93	<0.05	2.21	17.34	14.2	<20	5.9	2.1	134	1.28	1.3	5.0	<0.1	5.7	18	0.03	0.09	0.74	18	0.04
13J-008	Rock			0.83	0.14	19.11	34.38	10.5	24	2.3	2.3	102	0.87	0.5	2.7	<0.1	6.0	59	0.03	<0.02	0.96	5	0.45
13J-009	Rock			0.11	0.29	5.79	13.80	15.9	<20	4.7	2.5	168	0.84	0.8	1.7	<0.1	2.5	36	0.05	0.03	0.18	10	0.60
13J-010	Rock			0.65	0.62	36.34	38.22	13.2	135	4.5	4.2	102	1.00	1.8	1.1	<0.1	2.3	135	0.14	0.05	0.59	8	2.95
13J-011	Rock			0.61	<0.05	1.83	44.86	6.1	80	0.5	0.5	106	0.34	1.5	1.5	<0.1	1.9	56	0.08	0.03	1.97	<1	0.44
13B-001	Rock			0.64	<0.05	1.59	21.85	14.8	<20	0.3	0.3	131	0.47	0.5	1.3	<0.1	0.6	12	0.09	<0.02	0.21	<1	0.43
13B-002	Rock			0.49	<0.05	2.02	36.64	14.5	<20	0.4	1.1	522	0.45	0.4	1.2	<0.1	0.4	24	0.06	0.03	0.29	<1	0.23
13B-003	Rock			0.39	<0.05	2.21	31.64	17.2	22	2.3	1.9	98	0.95	1.9	0.7	<0.1	7.7	82	<0.02	<0.02	0.12	3	0.17
13B-004	Rock			0.75	<0.05	2.04	16.70	31.6	164	3.2	1.0	7064	0.29	2.8	4.6	<0.1	3.1	59	0.06	0.04	3.95	<1	0.14
13B-005	Rock			0.65	0.37	12.16	25.36	18.1	342	3.2	4.1	214	0.91	3.0	10.3	<0.1	5.3	77	0.09	0.06	7.58	10	2.64
13B-006	Rock			0.90	1.98	12.68	53.29	10.5	24	2.1	2.9	163	0.54	1.1	2.0	<0.1	3.1	190	0.04	<0.02	0.57	4	1.81
13B-007	Rock			0.69	<0.05	0.78	12.46	28.7	36	0.4	<0.2	4170	0.88	1.8	2.5	<0.1	0.8	1	0.64	0.02	2.88	<1	0.25
13B-008	Rock			0.93	0.08	20.01	73.05	13.3	56	0.8	1.3	120	0.53	1.5	2.0	<0.1	2.0	135	0.07	<0.02	0.33	<1	0.46
13B-009	Rock			0.78	0.65	9.88	17.41	58.2	61	12.7	14.8	1505	2.40	1.8	2.8	<0.1	11.4	73	0.17	0.03	0.43	41	7.13
13B-010	Rock			0.80	<0.05	2.64	56.67	6.6	<20	0.7	0.8	128	0.44	1.0	1.7	<0.1	1.4	66	0.04	<0.02	0.11	<1	0.58
13B-011	Rock			0.54	<0.05	1.02	52.23	8.3	24	0.4	0.3	111	0.35	1.2	1.0	<0.1	1.2	37	0.05	<0.02	0.08	<1	0.21

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

Client: **Addie, Lloyd**  
 1102 Gordon Road A-801  
 Nelson BC V1L 3M4 Canada

Project: None Given  
 Report Date: September 07, 2013

Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Page: 2 of 2 Part: 2 of 4

CERTIFICATE OF ANALYSIS

VAN13003335.1

Method	Analyte	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	
Unit		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Be	Sc	S	Y	Ce	Pr	Nd	Sm
MDL		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		0.001	0.1	1	0.02	1	0.001	0.02	0.002	0.02	0.1	0.2	0.1	1	0.1	0.04	0.1	0.02	0.1	0.1	0.1
BEGBIE1A	Rock	0.186	<0.1	2	<0.02	5	0.004	6.29	1.262	5.21	49.5	1.5	2.8	23	0.3	<0.04	<0.1	<0.02	<0.1	<0.1	<0.1
BEGBIE1	Rock	0.162	0.2	3	<0.02	8	0.022	5.98	2.439	4.21	21.2	10.6	6.0	14	1.8	<0.04	0.9	1.20	0.1	0.7	0.4
184871	Rock	0.222	24.8	24	2.86	332	1.334	6.86	0.685	1.15	0.6	16.1	3.2	1	28.1	0.16	31.0	56.12	6.9	31.8	5.9
48163	Rock	0.043	<0.1	2	<0.02	7	0.009	8.00	1.061	5.31	35.3	60.8	85.2	14	0.3	<0.04	<0.1	0.09	<0.1	<0.1	<0.1
48164	Rock	0.061	<0.1	2	<0.02	45	0.011	3.74	1.255	1.84	33.5	5.0	62.5	11	0.6	<0.04	0.2	0.46	<0.1	0.2	0.1
13J-001	Rock	0.004	0.9	7	0.09	872	0.014	3.24	0.902	2.48	0.1	0.7	0.4	2	0.6	<0.04	1.6	1.85	0.2	0.9	0.1
13J-002	Rock	0.082	1.4	4	0.06	33	0.008	6.69	3.074	3.91	1.1	5.7	2.8	35	1.1	<0.04	2.0	2.77	0.3	1.1	0.4
13J-003	Rock	<0.001	<0.1	3	<0.02	1	0.002	0.04	0.003	<0.02	<0.1	<0.2	<0.1	<1	0.3	<0.04	<0.1	0.02	<0.1	<0.1	<0.1
13J-004	Rock	0.084	0.8	3	0.02	17	0.008	6.41	1.695	5.55	2.4	3.7	32.6	4	0.6	<0.04	0.8	2.09	0.3	1.0	0.4
13J-005	Rock	0.169	<0.1	2	<0.02	3	0.007	5.59	2.524	3.73	32.7	0.4	6.3	68	0.5	<0.04	<0.1	0.05	<0.1	<0.1	<0.1
13J-006	Rock	0.059	1.9	2	0.07	31	0.013	5.68	2.181	4.30	0.4	24.3	0.2	4	1.8	<0.04	4.1	4.25	0.6	1.8	0.7
13J-007	Rock	0.029	18.5	12	0.11	610	0.126	3.86	0.139	3.16	4.7	1.0	3.3	2	4.0	<0.04	5.3	47.91	5.3	20.9	3.8
13J-008	Rock	0.032	17.5	5	0.15	392	0.043	6.06	1.430	4.60	0.5	7.0	4.0	4	2.7	<0.04	7.8	42.77	4.7	18.5	4.0
13J-009	Rock	0.012	7.6	7	0.15	115	0.055	3.27	0.717	1.37	1.2	2.4	1.2	6	2.3	<0.04	4.7	16.15	2.0	7.2	1.7
13J-010	Rock	0.029	7.4	8	0.42	710	0.053	7.37	0.990	3.73	1.7	2.0	1.4	6	2.5	<0.04	10.1	17.75	2.1	7.9	2.4
13J-011	Rock	0.047	4.6	3	0.04	295	0.012	6.39	2.362	4.53	1.5	6.9	5.0	6	1.7	<0.04	2.2	9.86	1.1	3.5	1.1
13B-001	Rock	0.045	1.7	3	0.07	25	0.012	5.34	3.013	1.68	1.6	10.5	5.5	5	2.8	<0.04	1.7	3.86	0.4	1.4	0.4
13B-002	Rock	0.093	1.4	2	0.10	306	0.019	6.99	2.068	5.23	0.5	11.1	1.0	2	2.3	<0.04	5.5	4.01	0.5	2.3	0.8
13B-003	Rock	0.028	15.4	<1	0.33	455	0.028	6.32	1.988	4.35	0.5	5.9	1.4	2	1.5	<0.04	2.7	33.48	3.4	12.3	2.6
13B-004	Rock	0.099	0.2	3	<0.02	73	0.034	8.97	0.799	5.02	72.0	6.1	132.5	20	1.9	<0.04	0.5	1.15	0.2	0.8	0.7
13B-005	Rock	0.060	10.9	7	0.62	985	0.073	6.44	2.437	1.54	6.0	25.5	3.1	13	5.0	<0.04	19.8	25.41	3.1	12.2	3.3
13B-006	Rock	0.014	5.8	4	0.20	469	0.036	6.20	2.412	2.30	32.8	4.7	1.0	11	1.8	<0.04	7.9	14.50	1.6	6.8	1.3
13B-007	Rock	0.052	2.2	4	0.08	7	0.016	4.75	2.178	1.88	4.4	10.1	5.9	6	5.0	<0.04	11.4	5.33	0.6	2.2	1.1
13B-008	Rock	0.036	5.1	3	0.10	1156	0.027	6.03	1.764	4.42	1.3	7.6	4.9	4	1.9	<0.04	4.2	11.50	1.2	4.3	0.9
13B-009	Rock	0.023	33.7	20	2.84	961	0.215	5.20	0.341	1.75	3.2	8.6	3.0	1	6.9	<0.04	23.4	69.48	8.3	32.0	6.8
13B-010	Rock	0.050	4.1	4	0.10	195	0.023	5.96	1.811	4.11	0.6	4.7	2.7	3	1.8	<0.04	3.9	8.41	0.9	3.7	0.8
13B-011	Rock	0.053	3.0	3	0.09	159	0.016	7.09	2.426	4.82	0.7	4.2	1.8	6	2.5	<0.04	2.9	6.06	0.7	2.3	0.7

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.





www.acmelab.com

**Client:** Addie, Lloyd  
1102 Gordon Road A-801  
Nelson BC V1L 3M4 Canada

**Project:** None Given  
**Report Date:** September 07, 2013

Acme Analytical Laboratories (Vancouver) Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Page:** 2 of 2 **Part:** 3 of 4

CERTIFICATE OF ANALYSIS

VAN13003335.1

Method	Analyte	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T
		Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Li	Rb	Ta	Nb	Cs	Ga	In	Re	Se	Te
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.02	0.1	0.1	0.04	0.1	0.02	0.01	0.002	0.3	0.05	
BEGBIE1A	Rock	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.32	>2000	>2000	29.8	28.40	>2000	42.19	<0.01	<0.002	0.4	<0.05
BEGBIE1	Rock	<0.1	0.2	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.85	642.4	937.9	20.7	87.23	298.7	29.92	<0.01	<0.002	<0.3	<0.05
184871	Rock	2.7	6.5	0.9	5.8	1.1	3.1	0.4	3.0	0.4	0.70	37.8	70.3	1.4	24.11	7.9	22.97	0.08	<0.002	0.8	3.23
48163	Rock	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	11.04	>2000	>2000	57.2	49.58	1374	97.78	<0.01	<0.002	0.4	0.08
48164	Rock	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.66	>2000	1311	33.6	61.71	357.4	43.39	<0.01	<0.002	<0.3	<0.05
13J-001	Rock	0.1	0.3	<0.1	0.2	<0.1	0.2	<0.1	0.2	<0.1	0.03	29.4	69.3	0.3	1.06	3.2	6.88	<0.01	0.005	<0.3	<0.05
13J-002	Rock	<0.1	0.3	<0.1	0.4	<0.1	0.1	<0.1	0.3	<0.1	0.35	19.6	234.3	2.2	4.56	8.9	14.31	<0.01	<0.002	<0.3	<0.05
13J-003	Rock	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.02	32.0	0.9	<0.1	0.10	0.3	0.10	<0.01	<0.002	<0.3	<0.05
13J-004	Rock	<0.1	0.2	<0.1	0.2	<0.1	0.1	<0.1	0.1	<0.1	0.21	33.6	488.9	2.8	16.49	42.3	19.40	<0.01	<0.002	<0.3	<0.05
13J-005	Rock	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.06	>2000	1760	20.7	28.48	1473	47.43	<0.01	<0.002	<0.3	<0.05
13J-006	Rock	<0.1	0.7	0.1	0.7	0.1	0.5	<0.1	0.7	0.1	0.95	28.5	141.5	1.1	5.11	4.0	9.82	<0.01	<0.002	<0.3	<0.05
13J-007	Rock	0.6	2.6	0.4	1.4	0.2	0.4	<0.1	0.3	<0.1	0.06	27.4	132.4	1.2	7.24	3.0	10.94	0.01	<0.002	0.6	<0.05
13J-008	Rock	0.9	2.8	0.4	1.9	0.3	0.8	0.1	0.9	0.1	0.27	5.7	162.0	0.6	3.09	7.0	9.65	0.01	<0.002	0.6	<0.05
13J-009	Rock	0.5	1.1	0.2	1.3	0.2	0.4	<0.1	0.7	<0.1	0.12	13.5	45.6	0.4	2.19	1.7	6.84	0.01	<0.002	0.5	0.20
13J-010	Rock	1.7	2.2	0.3	2.2	0.4	1.2	0.2	1.1	0.1	0.07	8.8	90.0	0.5	2.73	5.6	11.91	0.01	<0.002	<0.3	0.50
13J-011	Rock	0.3	0.7	<0.1	0.6	<0.1	0.2	<0.1	0.3	<0.1	0.28	17.5	178.7	2.1	5.64	32.0	12.25	<0.01	<0.002	<0.3	<0.05
13B-001	Rock	<0.1	0.2	<0.1	0.4	<0.1	0.2	<0.1	0.4	<0.1	0.47	23.6	86.1	0.9	4.79	3.0	13.62	<0.01	<0.002	<0.3	<0.05
13B-002	Rock	0.2	1.0	0.2	1.0	0.2	0.5	<0.1	0.7	<0.1	0.45	10.1	270.4	1.1	4.61	13.8	12.67	0.01	<0.002	0.3	0.05
13B-003	Rock	0.6	1.6	0.2	0.8	<0.1	0.3	<0.1	0.3	<0.1	0.19	7.9	153.5	0.9	1.95	3.4	11.89	<0.01	<0.002	<0.3	<0.05
13B-004	Rock	<0.1	0.4	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.21	>2000	>2000	58.8	65.52	299.6	>100	<0.01	<0.002	<0.3	0.13
13B-005	Rock	0.2	3.1	0.5	3.6	0.8	2.2	0.3	3.1	0.4	1.17	41.1	82.4	2.8	11.30	7.7	16.28	0.01	<0.002	0.4	0.71
13B-006	Rock	0.4	1.4	0.2	1.4	0.3	0.9	0.2	1.1	0.1	0.27	13.4	84.3	2.1	8.85	3.2	19.46	<0.01	0.006	0.4	0.23
13B-007	Rock	<0.1	0.8	0.3	2.0	0.3	1.2	0.2	3.1	0.4	0.48	175.3	191.7	6.9	13.58	19.6	13.79	<0.01	<0.002	<0.3	<0.05
13B-008	Rock	0.7	1.0	0.2	0.8	0.1	0.3	<0.1	0.5	<0.1	0.27	32.5	161.0	0.5	3.41	4.5	10.86	<0.01	<0.002	0.5	<0.05
13B-009	Rock	0.9	5.3	0.8	5.1	0.9	2.6	0.3	2.3	0.3	0.37	43.3	83.1	1.0	11.76	4.1	14.70	0.09	<0.002	0.7	4.39
13B-010	Rock	0.3	0.7	0.1	0.7	0.2	0.4	<0.1	0.6	<0.1	0.21	17.9	140.5	1.9	5.02	4.3	11.39	<0.01	<0.002	0.6	<0.05
13B-011	Rock	0.2	0.3	<0.1	0.7	<0.1	0.3	<0.1	0.5	<0.1	0.13	8.9	166.4	1.0	3.08	4.3	12.76	<0.01	<0.002	0.6	<0.05

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.





www.acmelab.com

**Client:** Addie, Lloyd  
1102 Gordon Road A-801  
Nelson BC V1L 3M4 Canada

**Project:** None Given  
**Report Date:** September 07, 2013

**Page:** 2 of 2

**Part:** 4 of 4

Acme Analytical Laboratories (Vancouver) Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

CERTIFICATE OF ANALYSIS

VAN13003335.1

Method	Analyte	Unit	MDL	1T	TI	ppm	0.05
BEGBIE1A	Rock			9.95			
BEGBIE1	Rock			4.36			
184871	Rock			0.47			
48163	Rock			18.59			
48164	Rock			3.47			
13J-001	Rock			0.37			
13J-002	Rock			1.02			
13J-003	Rock			<0.05			
13J-004	Rock			2.26			
13J-005	Rock			6.32			
13J-006	Rock			0.70			
13J-007	Rock			0.64			
13J-008	Rock			0.87			
13J-009	Rock			0.17			
13J-010	Rock			0.41			
13J-011	Rock			0.97			
13B-001	Rock			0.35			
13B-002	Rock			1.78			
13B-003	Rock			0.77			
13B-004	Rock			7.50			
13B-005	Rock			0.40			
13B-006	Rock			0.40			
13B-007	Rock			0.93			
13B-008	Rock			0.82			
13B-009	Rock			0.42			
13B-010	Rock			0.88			
13B-011	Rock			0.83			



www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Addie, Lloyd**  
 1102 Gordon Road A-801  
 Nelson BC V1L 3M4 Canada

Project: None Given  
 Report Date: September 07, 2013

Page: 1 of 1 Part: 1 of 4

QUALITY CONTROL REPORT

VAN13003335.1

Method	WGHT	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.05	0.02	0.02	0.2	20	0.1	0.2	2	0.02	0.2	0.1	0.1	0.1	1	0.02	0.02	0.04	1	0.02	
Pulp Duplicates																					
13B-002	Rock	0.49	<0.05	2.02	36.64	14.5	<20	0.4	1.1	522	0.45	0.4	1.2	<0.1	0.4	24	0.06	0.03	0.29	<1	0.23
REP 13B-002	QC		<0.05	2.13	33.92	14.5	<20	0.6	1.1	503	0.43	0.8	1.2	<0.1	0.4	20	0.04	0.03	0.23	<1	0.22
Core Reject Duplicates																					
13J-001	Rock	0.32	0.09	6.05	49.48	60.4	32	1.5	1.0	57	0.36	0.8	0.1	<0.1	0.3	130	0.06	3.21	0.18	2	0.67
DUP 13J-001	QC		0.14	6.08	46.65	62.0	28	1.5	0.9	53	0.37	0.5	0.1	<0.1	0.4	136	0.06	3.13	0.21	2	0.68
Reference Materials																					
STD OREAS24P	Standard	1.48	53.55	2.89	114.7	31	162.3	48.1	1193	7.60	2.5	0.7	<0.1	3.0	409	0.17	0.08	<0.04	173	5.96	
STD OREAS45E	Standard	2.21	820.2	17.72	44.3	317	504.0	60.9	571	25.37	18.1	2.4	<0.1	13.9	15	0.07	0.94	0.38	345	0.06	
STD OREAS24P Expected		1.5	52	2.9	119	60	141	44	1100	7.53	1.2	0.75		2.85	403	0.15	0.09		158	5.83	
STD OREAS45E Expected		2.4	780	18.2	46.7	311	454	57	550	24.12	16.3	2.41	0.05	12.9	15.9	0.06	1	0.28	322	0.065	
BLK	Blank	<0.05	<0.02	<0.02	<0.2	<20	<0.1	<0.2	<2	<0.02	0.6	<0.1	<0.1	<0.1	<1	<0.02	<0.02	<0.04	<1	<0.02	
Prep Wash																					
G1	Prep Blank	0.16	4.01	20.67	51.2	<20	6.3	5.4	778	2.33	<0.2	3.3	<0.1	10.2	750	0.05	0.14	0.24	49	2.41	
G1	Prep Blank	0.11	3.68	20.53	50.1	<20	3.0	4.9	771	2.23	0.6	2.6	<0.1	8.4	770	0.02	0.07	0.18	48	2.35	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



www.acmelab.com

Client: **Addie, Lloyd**  
 1102 Gordon Road A-801  
 Nelson BC V1L 3M4 Canada

Project: None Given  
 Report Date: September 07, 2013

Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Page: 1 of 1 Part: 2 of 4

QUALITY CONTROL REPORT

VAN13003335.1

Method		1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Be	Sc	S	Y	Ce	Pr	Nd	Sm
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
MDL		0.001	0.1	1	0.02	1	0.001	0.02	0.002	0.02	0.1	0.2	0.1	1	0.1	0.04	0.1	0.02	0.1	0.1	0.1
Pulp Duplicates																					
13B-002	Rock	0.093	1.4	2	0.10	306	0.019	6.99	2.068	5.23	0.5	11.1	1.0	2	2.3	<0.04	5.5	4.01	0.5	2.3	0.8
REP 13B-002	QC	0.087	1.3	3	0.09	302	0.017	6.76	2.006	4.60	0.5	10.0	0.9	2	2.1	<0.04	4.8	3.77	0.5	1.8	0.9
Core Reject Duplicates																					
13J-001	Rock	0.004	0.9	7	0.09	872	0.014	3.24	0.902	2.48	0.1	0.7	0.4	2	0.6	<0.04	1.6	1.85	0.2	0.9	0.1
DUP 13J-001	QC	0.004	0.9	6	0.09	807	0.013	3.25	0.892	2.48	0.2	0.8	0.3	1	0.7	<0.04	1.6	2.16	0.2	1.1	0.2
Reference Materials																					
STD OREAS24P	Standard	0.138	19.9	210	4.30	308	1.151	7.83	2.605	0.67	0.5	145.8	1.7	1	20.5	<0.04	22.2	39.86	5.2	21.9	5.5
STD OREAS45E	Standard	0.032	10.7	1029	0.16	259	0.540	7.02	0.052	0.34	0.9	99.2	1.4	1	95.6	0.04	7.6	25.19	2.5	9.2	2.2
STD OREAS24P Expected		0.136	17.4	196	4.13	285	1.1	7.66	2.34	0.7	0.5	141	1.6		20		21.3	37.6	4.7	22	4.7
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	110	1.32		93	0.046	8.28	23.5	2.57	9.57	2.28
BLK	Blank	<0.001	<0.1	2	<0.02	<1	<0.001	<0.02	<0.002	<0.02	<0.1	<0.2	<0.1	<1	0.3	<0.04	<0.1	<0.02	<0.1	<0.1	<0.1
Prep Wash																					
G1	Prep Blank	0.072	28.2	6	0.56	965	0.227	7.68	2.820	3.28	0.2	12.3	1.6	2	4.9	<0.04	14.1	60.11	6.7	22.5	4.2
G1	Prep Blank	0.073	24.4	7	0.55	975	0.221	7.71	2.858	3.26	0.2	11.3	1.7	4	5.1	<0.04	13.2	55.09	5.9	21.9	4.0

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.





www.acmelab.com

**Client:** Addie, Lloyd  
 1102 Gordon Road A-801  
 Nelson BC V1L 3M4 Canada

**Project:** None Given  
**Report Date:** September 07, 2013

Acme Analytical Laboratories (Vancouver) Ltd.  
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Page: 1 of 1 Part: 3 of 4

QUALITY CONTROL REPORT

VAN13003335.1

Method	Analyte	Unit	MDL	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T	1T			
				Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Li	Rb	Ta	Nb	Cs	Ga	In	Re	Se	Te
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
				0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.02	0.1	0.1	0.1	0.04	0.1	0.02	0.01	0.002	0.3	0.05
Pulp Duplicates																							
13B-002	Rock			0.2	1.0	0.2	1.0	0.2	0.5	<0.1	0.7	<0.1	0.45	10.1	270.4	1.1	4.61	13.8	12.67	0.01	<0.002	0.3	0.05
REP 13B-002	QC			0.2	0.8	0.2	1.2	0.2	0.5	<0.1	0.7	<0.1	0.47	8.9	229.0	1.1	3.86	12.6	11.63	0.02	<0.002	<0.3	<0.05
Core Reject Duplicates																							
13J-001	Rock			0.1	0.3	<0.1	0.2	<0.1	0.2	<0.1	0.2	<0.1	0.03	29.4	69.3	0.3	1.06	3.2	6.88	<0.01	0.005	<0.3	<0.05
DUP 13J-001	QC			0.2	0.2	<0.1	0.3	<0.1	0.1	<0.1	0.2	<0.1	0.04	28.4	68.9	0.3	1.10	3.1	6.48	<0.01	<0.002	<0.3	0.07
Reference Materials																							
STD OREAS24P	Standard			1.7	5.3	0.8	5.1	0.8	2.2	0.3	2.0	0.2	3.59	8.5	23.4	1.2	20.36	0.9	20.61	0.06	<0.002	0.5	2.95
STD OREAS45E	Standard			0.5	1.4	0.3	2.0	0.4	1.2	0.2	1.2	0.1	2.96	7.5	21.9	0.6	6.66	1.4	16.21	0.10	<0.002	3.1	0.15
STD OREAS24P Expected				1.6	5.3	0.81	4.6	0.8	2.2	0.3	1.83	0.25	3.6	8.7	22.4	1.04	21	0.8	19.43				
STD OREAS45E Expected				0	1.99	0	2.05		1.2		1.19	0.17	3.11	6.58	21.2	0.56	6.8	1.26	16.5	0.099		2.97	0.1
BLK	Blank			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.02	<0.1	0.3	<0.1	<0.04	<0.1	0.03	<0.01	<0.002	0.6	<0.05
Prep Wash																							
G1	Prep Blank			0.9	3.8	0.5	2.8	0.5	1.6	0.2	1.7	0.2	0.59	41.4	133.0	1.4	25.93	5.6	20.05	0.04	0.007	<0.3	0.07
G1	Prep Blank			0.8	3.6	0.4	2.7	0.5	1.6	0.2	1.5	0.2	0.63	38.1	129.1	1.5	23.95	5.3	21.12	0.06	<0.002	0.3	0.47



www.acmelab.com

**Client:** Addie, Lloyd  
1102 Gordon Road A-801  
Nelson BC V1L 3M4 Canada

**Project:** None Given  
**Report Date:** September 07, 2013

**Page:** 1 of 1

**Part:** 4 of 4

Acme Analytical Laboratories (Vancouver) Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

## QUALITY CONTROL REPORT

VAN13003335.1

Method		1T
Analyte		TI
Unit		ppm
MDL		0.05
Pulp Duplicates		
13B-002	Rock	1.78
REP 13B-002	QC	1.61
Core Reject Duplicates		
13J-001	Rock	0.37
DUP 13J-001	QC	0.33
Reference Materials		
STD OREAS24P	Standard	<0.05
STD OREAS45E	Standard	0.06
STD OREAS24P Expected		
STD OREAS45E Expected		
BLK	Blank	<0.05
Prep Wash		
G1	Prep Blank	0.94
G1	Prep Blank	0.93

**PROSPECTOR QUALIFICATIONS**

1. I have been actively prospecting continuously since 1982 and have been successful at discovering new mineral prospects and at optioning numerous mineral properties and generating significant economic activity.
2. In 1982 I attended and completed the basic prospecting course sponsored by the Chamber of Mines of Eastern B.C. and the B.C. Ministry of Mines.
3. In 1983 I attended and completed the Advanced Prospectors Course sponsored the B.C. Ministry of Mines at Cowichan Lake, B.C.
4. In 1992 I attended the "Petrology for Prospectors" course held in Nelson and sponsored by the Ministry of Energy, Mines & Petroleum Resources and the Chamber of Mines of Eastern B.C.
5. In 1996 I attended the "Industrial Minerals" course held in Nelson and sponsored by the Ministry of Employment & Investment and the Chamber of Mines of Eastern B.C.
6. In 1998 I attended the "Gemstone" course held in Nelson and sponsored by the Chamber of Mines of Eastern B.C.
7. I regularly attend the AME BC Cordilleran Roundup, the Kamloops Exploration Group KEG Conference and Minerals South Conferences. I have attended many presentations on topics related to mineral exploration and have attended numerous short courses covering various subjects including: Intrusive Hosted Gold, Intrusion Related Gold, Exploration for IOCG Deposits, Exploration for Rare Metals, Tectonomagmatic Controls on Porphyry and Epithermal Mineralization and "Understanding Mineralization Controls: Applied Structural Geology to Exploration and Mining" Short Course at Roundup 2009



Lloyd Addie

November 2013



**STATEMENT OF COSTS**  
**BEGBIE PROJECT**

**WAGES:**

Prospecting, Rock Sampling: 10 man days .....	\$ 3350.00
1 man @350.00 per day for 4 days	
1man @350.00 per day for 3 days	
1man @300.00 per day for 3 days	

**TRANSPORTATION:**

4 X 4 including fuel: 2 trucks 2 days 1 truck another day 5 days @ \$150/day.....	\$ 750.00
Glacier Helicopter three trips .....	\$ 1,216.95

**FIELD SUPPLIES:**

Flagging tape, bags, etc. ....	\$ 50.00
--------------------------------	----------

**LAB ANALYSES:**

4 Acid Ultratrace ICP-MS, 27 Samples @ \$25.05 + GST.....	\$ 925.21
Shipping, Nelson to Vancouver.....	\$ 30.53

**REPORT:**

Report Preparation .....	\$ 800.00
--------------------------	-----------

<b><u>TOTAL PROJECT COST:</u></b> .....	<b>\$ 7122.69</b>
---	-------------------

Amount from PAC Account .....	\$ 1422.22
Total Work Value Applied .....	\$ 6422.22

*Lloyd Addie*  
Lloyd Addie  
2013

November