

BC Geological Survey
Assessment Report
33819

Prospectors Report
for the

Poppa Bear Claim

Tenure # 1007742

D'arcy B.C.

Lillooet Mining Division

092J.058

50° 32' 27" N, 122° 24' 2" W

Claim Owner and Operator:

Don Rogers

F.M.C. 223081

Author:

Don Rogers

F.M.C. 223081

*May 8
2013*

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

33,819

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Introduction

The 513.39 hectare (ha) Popa Bear 1 claim (BC Mineral tenure 1007742) which is held 100% by Mr. Don Rogers was acquired on June 29, 2012 and is located 38 kilometres (km) northeast of the town of Pemberton, and 5km east of the community of D'Arcy at Anderson Lake. (Figure 2)

Access to the claim is via helicopter, or by hiking SE from existing logging roads along Wade Creek a distance of 2.5 km (a 700 metre elevation gain). Terrain within the claim is rugged alpine or subalpine. A 2,345 metre (m) sub-peak of Haylmore Peak lies within the SE corner of the claims from which a ridgeline extends NNW across the claims at approximately the 2,000 m level. On the west side of the ridge two small tarns occupy the cirque at the headwaters of Wade Creek draining west to Anderson Lake. On the east side of the ridge and unnamed alpine valley drains NE into Lost Valley.

Regional and Property Geology

The Popa Bear claim lies within the southeastern Coast Belt, an approximately 100 km wide NW trending belt of distinct supracrustal rocks formed in oceanic basin, volcanic arc and clastic basin environments. The supracrustal rocks are intruded by partly coeval mid- Cretaceous through Early Tertiary stocks and dykes of mainly felsic to intermediate composition, which are collectively juxtaposed across a complex system of contractional, strike-slip and extensional faults of mainly Cretaceous to Tertiary age (Schiarrizza et al., 1997).

The Popa Bear claim occurs along the western edge of the Bridge River Terrane within an approximately 70 km NW trending, 5 to 10 km wide zone of deformation known as the Bralorne Fault Zone (BRFZ; Rusmore 1986). In the area of the Popa Bear claim and extending NW to Bralorne, the Bridge River Terrane is represented by the Bridge River Complex (BRC); an assemblage of variably metamorphosed and structurally imbricated chert and mafic volcanic (greenstone), and lesser argillite, tuff, limestone, sandstone, conglomerate, gabbro and serpentinite rocks that lack a coherent stratigraphy (Figure 3).

Based on greenstone chemical analyses suggesting an ocean island to mid-ocean ridge origin, a wide Mississippian to late Middle Jurassic age range of Bridge River chert, and the presence of local late Middle Jurassic blueschist rocks; the BRC is interpreted as an accretion-subduction complex. The BRC is conformably overlain by a thick coherent succession of Jura-Cretaceous(?) clastic sedimentary rocks known as the Cayoosh assemblage that does not display the characteristic tectonic disruption of the BRC (Schiarrizza et al., 1997).

Rocks of the Cadwallader Terrane, comprising the Cadwallader Group and Bralorne East Liza Complex (BELC), occur as fault-bounded panels within the Bridge River Terrane along the BRFZ. The Cadwallader Group consists of a lower mafic volcanic unit that is conformably overlain by transitional volcanic-sedimentary and upper sedimentary turbidite units of the Hurly Formation. Pillowed and fragmental mafic volcanic rocks of the Cadwallader Group are lithologically similar to mafic volcanic units of both

the BELC and BRC. The BELC includes serpentinite, gabbro, diorite, tonalite and greenstone that occur as fault-bounded panels interleaved with the Cadwallader Group. Mafic volcanic rock chemistry of the BELC is characteristic of ocean floor tholeiites, and based on its invariable spatial association with the Cadwallader Group it has been interpreted as an ophiolite succession (oceanic basement) upon which the Cadwallader Group may have been deposited (Schiarizza et al., 1997).

Rocks of the Bridger River and Cadwallader Terranes were intruded by numerous plutons and stocks of intermediate to felsic composition, as well as felsic to mafic dykes, during mid-Cretaceous through to Neogene time. Periods of intrusion coincided with major deformational events in the region and spanned the change from middle to late-Cretaceous contraction to latest Cretaceous and Tertiary dextral strike-slip and normal faulting (Schiarizza et al., 1997).

Early subduction-accretion related deformation within the Bridge River Complex, which produced a disrupted internal stratigraphy, occurred from at least late Middle Triassic (230 Ma Ar-Ar date of Bridge River blueschist) and at least into late Middle Jurassic (age of youngest deformed chert rocks). Contractual deformation continued into the Late Cretaceous and resulted in the formation of southwest-vergent oblique-sinistral reverse faults, including the Eldorado fault NW of Bralorne, and northeast-vergent thrust faults and folds. Later deformation was dominated by dextral strike-slip during latest Cretaceous through Eocene time (Schiarizza et al., 1997).

Mineralization

The first placer gold discoveries near Bralorne were made at Gun Creek in 1859, and shortly thereafter at Hurley River and Cadwallader Creek. The first mineral claims were staked in 1896, and between 1897 and 1900 the Lorne, Ben d'Or, Pioneer and Wayside claims groups had been staked over a series of diorite-greenstone hosted (Bralorne East Liza Complex) gold bearing quartz veins along Cadwallader Creek (McCann, 1922). The principal producing veins are north-northeast dipping shear veins that record oblique-sinistral reverse movement (Schiarizza et al., 1997). Significant lode gold production began in the late 1920's and early 1930's at the Bralorne and Pioneer Mines (40 km northwest of the Popa Bear 1 claim). The two mines produced 7 million tonnes of ore grading 18 g/t Au and 4 g/t Ag (3.7 million ounces Au and 0.82 million ounces Ag).

Further to the east, gold-silver-bearing polymetallic shear-hosted veins occur within Bridge River Complex greenstone, argillite, chert and serpentinite hosted at the past producing Minto Mine. The veins are associated with Cretaceous-Paleocene dykes and stocks (69 to 63 Ma Ar-Ar Eldorado pluton north of Carpenter Lake and Bendor plutonic suite between Carpenter and Anderson lakes) apparently localized along the Castle Pass fault (Schiarizza et al., 1997) and to a lesser extent the Steep Creek fault, which may extend south through the Popa Bear 1 claim. Between 1934 and 1940 the Minto mine produced 80,650 tonnes of ore grading 6.8 g/t Au and 19.9 g/t Ag (about 16,000 ounces Au and 47,000 ounces Ag; Minfile 092JNE075). Gold is closely associated with arsenopyrite at Minto. Further to the south within the Bridge River Complex high-level stibnite, pyrite, arsenopyrite plus sphalerite, tetrahedrite, and cinnabar (i.e. antimony, arsenic, zinc, copper, mercury) gold-silver bearing quartz veins

occur along the Castle Pass and Steep Creek faults at the past producing Mary Mac (Minfile 092JNE067) and Gray Rock (Minfile 092JNE066) deposits.

10 km to the north of the Popa Bear 1 claim at the past producing Brett Mine, a steeply west-dipping 4 to 7 metre wide quartz-ankerite vein (plus arsenopyrite, chalcopyrite, sphalerite and sparse galena) is hosted within slate-phyllite rocks assigned to the Cayoosh assemblage. Mining during the period 1900 through 1904, 1910 and 1962 produced 9,177 tonnes of ore grading 2.3 g/t Au (about 624 ounces Au; Minfile 092JNE079).

During 1925, two adits were reportedly driven on polymetallic mineralization near the mouth of Wade Creek, 2 km west of the Popa Bear 1 claim. Subsequent prospecting and limited rock sampling (including soil geochemical and ground magnetic surveys) by Amcorp Industries Inc. and Verdstone Gold Corp. failed to locate the historic adits, however two anomalous quartz vein chip samples returning values of 14.4 g/t Ag, 0.32% Pb and 0.12% Zn over 0.2 metres; and 23.2 g/t Ag, 0.52% Pb over 0.1 metres (Kikauka, 1995).

5 km to the southeast of the Popa Bear 1 claim at the Twin Lakes (Old Century) showing, mineralized quartz stringers that occur within the footwall of a steeply northeast-dipping body of serpentine are exposed in open cuts over a distance of 43 metres. The veins are hosted in argillite and chert of the Bridge River Complex and strike W5W, dipping steeply north.

Select high-grade argentiferous tetrahedrite and stibnite mineralized samples returned values of up to 307.2 ounces-per-ton Ag (BC Minister of Mines Annual Report, 1935). Barkley Valley Mines Ltd. initiated work at Twin Lakes during 1967 that included outcrop stripping and an 8 m (25 foot) diamond drill hole. Three additional diamond drill holes totaling 32 m (105 feet) were completed the following year (BC Minister of Mines Annual Report, 1967 and 1968).

2012 Work

This season we set out to explore as much of the Popa Bear 1 claim as possible for the eight days we had available. We were trying to determine the source or sources of the rocks we had found on a visit to the area in 2011. Specifically we were looking for rocks with the material coating the surface and in the cracks of the rock that we learned to be called "Wad". We also wanted to locate any other possible areas of interest to show the geologist when we bring him in.

We started in the North Western part of the property and began working South noting areas where the rock changed from felsic to more of a mafic type of rock, and any significant boundaries of such. The

rocks where samples # 2-#5 were taken had a rusty appearance and looked like it was "burnt". There wasn't a lot of the type of material on the rock the we had noted in other rocks on our previous visit so we took limited samples.

Samples 06-8 were taken near a quartz vein intersection, samples# 11-#14 were taken from an area that had a lot of Wad on the rocks. The rocks also had a rusty appearance to them and some of them had large deposits of wad on the one side. On the other side of those rocks was a metallic looking substance.

Samples #20-#22 were taken from a rock face that had significant amounts of a material in all the cracks and fissures. The area of Rockface like this was about 75 – 100 meters running North-South. The rock face is about 50 meters in elevation.

One area where we noted a striking boundary of Felsic and Mafic type rock was where samples #16 and #17 were taken on the Felsic side and samples #26 and #27 were taken along the Mafic side. The rock outcropping at the location of samples# 26 and #27 had a rusty appearance, as well as some "Wad". There was some nearby quartz which is where samples #26 and #27 were taken. Samples #18 and #19 were taken about 50 Meters North.

In total, 23 numbered samples were taken, some from rock outcroppings at different locations* (see figure 4) as well as random samples taken from float. Most of the samples were taken in areas that had sign of "Wad" on the rocks. We sent them for a 36 element Aqua Regia digest at Acme labs in Vancouver, B.C. We did not send any samples for Fire assay at this time. (See appendix "A")

Discussion and Recommendations

Because I lack the proper training or education in Geology to interpret my assay results and the regional geology of the area, I contacted Apex Geoscience, Ltd. to get some help. I was able to get a geologist to review the information I had gathered to date, as well review historical information so we could discuss possible areas of interest on the Popa Bear 1 Claim.

" The Popa Bear 1 claim has the potential to host a mesothermal lode gold mineralization similar to that hosted within diorite-greenstone rocks of the Bralorne East Liza Complex at Bralorne. The Bralorne Fault Zone trends SE from Bralorne through the Popa Bear 1 claim.

Bralorne East Liza Complex ultramafic rocks and associated Cadwallader Group sediments and volcanic are not recognized within the claim, however a belt of strongly imbricated Bridger River Complex sediments containing fault slivers of ultramafic rock mapped within the southwest part of the Property may have a similar affinity. In addition, mafic dykes are reported to be spatially associated with mineralization at the Twin Lakes Showing (BC Minister of Mines Annual Report, 1935) also suggest similarities to the Bralorne East Liza Complex. Northeast dipping lithologic contacts at Twin Lakes and a southwest-vergent thrust crossing the Property indicate potential for Bralorne-style north-northeast dipping shear veins formed as a result of early Late Cretaceous oblique-sinistral reverse deformation.

Undivided marine sedimentary and volcanic rocks of the Bridge River Complex trending through the east part of the claim are also prospective for shear zone hosted gold-silver, polymetallic vein deposits. A Cretaceous-Paleogene Bendor suite quartz-diorite stock intrudes Bridger River Complex and Cayoosh assemblage rocks in the northwest part of the claim and may be prospective for porphyry copper-molybdenum mineralization and/or polymetallic skarn mineralization along its margin.

In all cases gold and silver mineralization may be associated with anomalous arsenic, mercury and antimony values. Exploration during summer 2013 should include reconnaissance geologic mapping to:

- Define the intrusive / sediment-volcanic contact
- Assess the potential for diorite-gabbro dykes or sills similar to those that host gold mineralization at Bralorne within Bridge River Complex rocks in the southwest part of the claim
- Identify Cretaceous-Paleogene dykes and sills within the Bridge River sedimentary volcanic package with potential to host gold-silver, polymetallic veins

If surficial conditions, terrain and budget allow elevation contour soil sampling at 50 m intervals along 400 foot contours on the west side, and 100 foot contour intervals along the east side of Haylmore ridge (approximately 400 samples) is warranted. The terrain on the northeast side of Haylmore ridge is dominated by open alpine talus slopes. Here contour talus sampling and the slope base may be more appropriate."

Respectfully submitted,

Kristopher J. Raffle, P.Geol.

Principal and Consultant

APEX Geoscience Ltd."

I Plan on returning to site with the Geologist this fall at lowest snow load to carry out the above recommended work.

COSTS

TOTAL COSTS FOR LABOUR:

5 men(including prospector)@ \$200 per day (\$1,000.00 a day) x 8 days = \$8,000.00

FOOD AND ACCOMODATIONS

Breakfast, lunch, dinner and snacks on route from Red Deer, AB, to Darcy, B.C. \$189.90

Hotel rooms in Pemberton. 2 doubles @ \$80.00 1 single @ \$80.00	\$240.00
Camp food: breakfast, lunch, dinner and snacks: (\$20.00 per x 5 men=\$100.00 x 8)	\$800.00
Hotel rooms in Kamloops; 5 single rooms at \$80.00 per night, per man	\$400.00
Lunch, dinner and snacks on way home	\$150.00
	<u>=\$1,779.90</u>

TRANSPORTATION COSTS

Trip to location

Cameron's truck	Red Deer Alberta to D'arcy B.C.	1150 km @ \$0.40 per km	\$460.00
Devon's truck	Red Deer Alberta to D'arcy B.C.	1150 km @ \$0.50 per km	\$575.00
Total fuel costs			\$286.43
			= \$1323.43

Return Trip

Devon's truck	D'arcy B.C. to Red Deer Alberta	1150 km @ \$0.50 per km	\$575.00
Cameron's truck	D'arcy B.C. to Golden B.C.	1150 km @ \$0.40 per km	\$460.00
Total fuel costs			\$278.19
			= \$1313.19
Total cost for Transportation (fuel +km)			<u>=\$2,636.62</u>

ASSAY AND SAMPLES ANALYSES


Assay costs	\$ 1492.47
Consultant fee	\$ 1142.40
Total cost for testing	<u>\$ =2634.87</u>

COST SUMMARY

Labour	= \$8,000.00
Food and accommodations	= \$1,779.90
Transportation	= \$2,636.62
Sample analysis	= \$2634.87
<u>TOTAL</u>	<u>= \$1,5051.39</u>

Statement of Qualifications

Although I am suitably experienced in recreational Placer mining , I do not have much knowledge or training in "Hard rock " mineral deposits. Therefore I contacted Apex Geoscience in Vancouver to act as Consultants for my prospecting on Popa Bear 1. We contacted Kristopher J. Raffle, (P.Geo.) Principal and Consultant at APEX Geoscience Ltd., to review our current and past Assays as well as act as a consultant in our possible future work at our location. He was able to provide us with a memo regarding the regional geology as well as possible site geology of the Popa Bear 1 claim, some of which is used in this report.

DON ROGERS


MAY 8TH 2013

Popa Bear 1 Location Map

 **Popa Bear 1 Location**

Topographic Layers

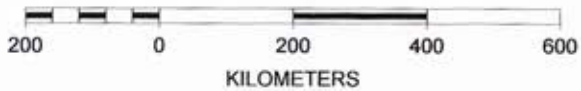
-  Lakes 1:6M
-  Rivers 1:6M

BC Border Layers

-  BC Border 1:6M



SCALE 1 : 11,451,501



Popa Bear 1 Claim Map

Mineral Titles Layers

-  Popa Bear 1 Tenure
-  All Mineral Tenures

BC Administrative Area Layers

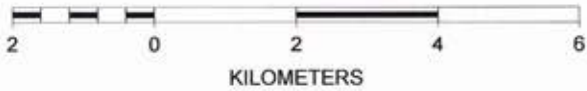
BC Communities

-  City
-  Town
-  Village
-  Resort Municipality
-  Settlement
-  Community
-  District Municipality

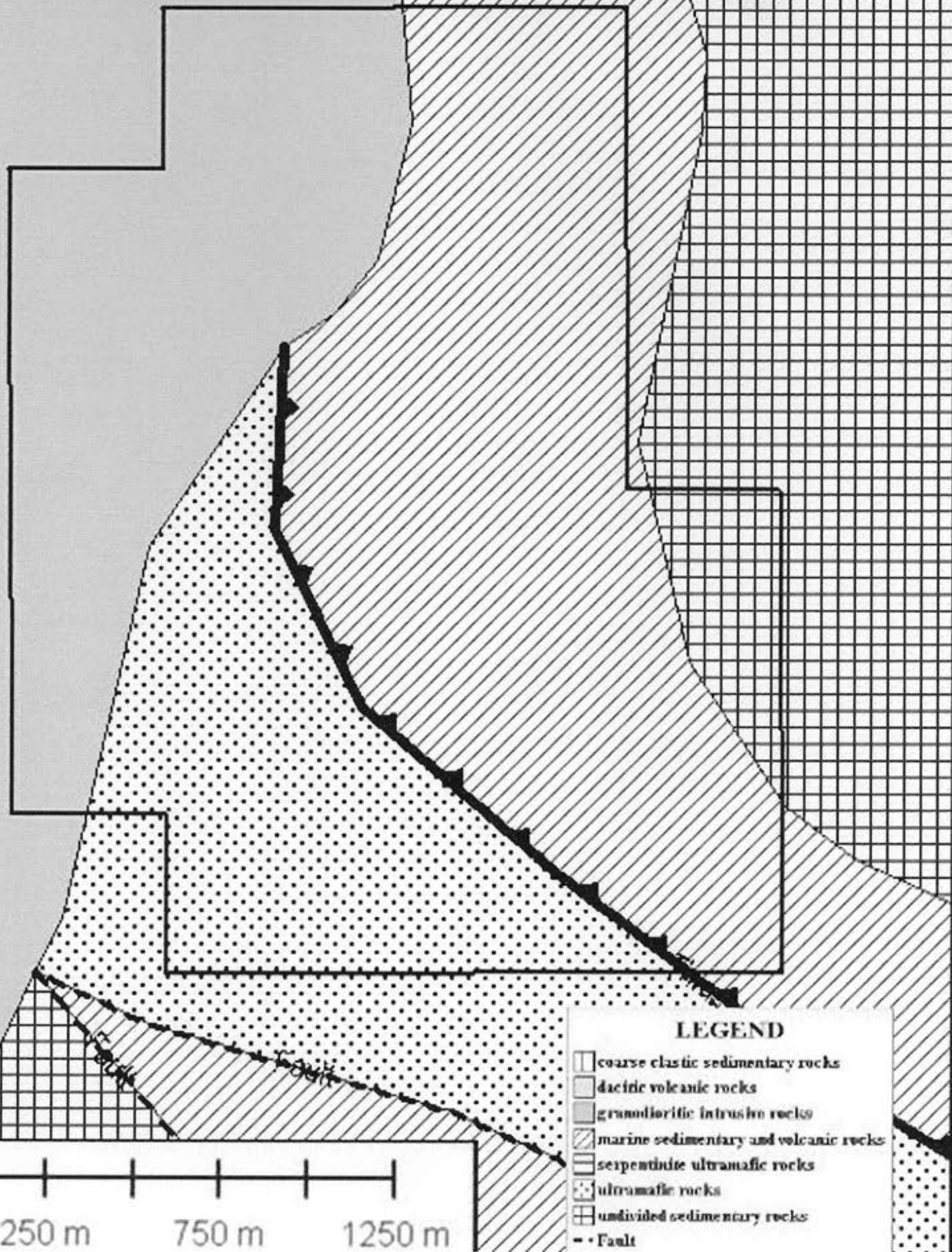
Topographic Layers



SCALE 1 : 107,879

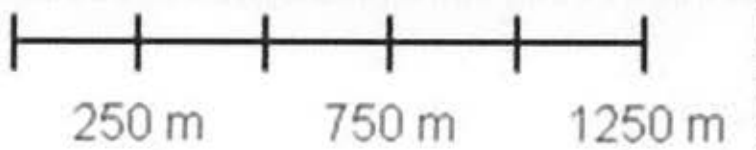


POPA BEAR 1 Regional Geology



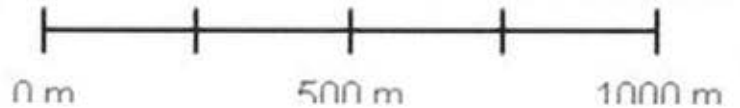
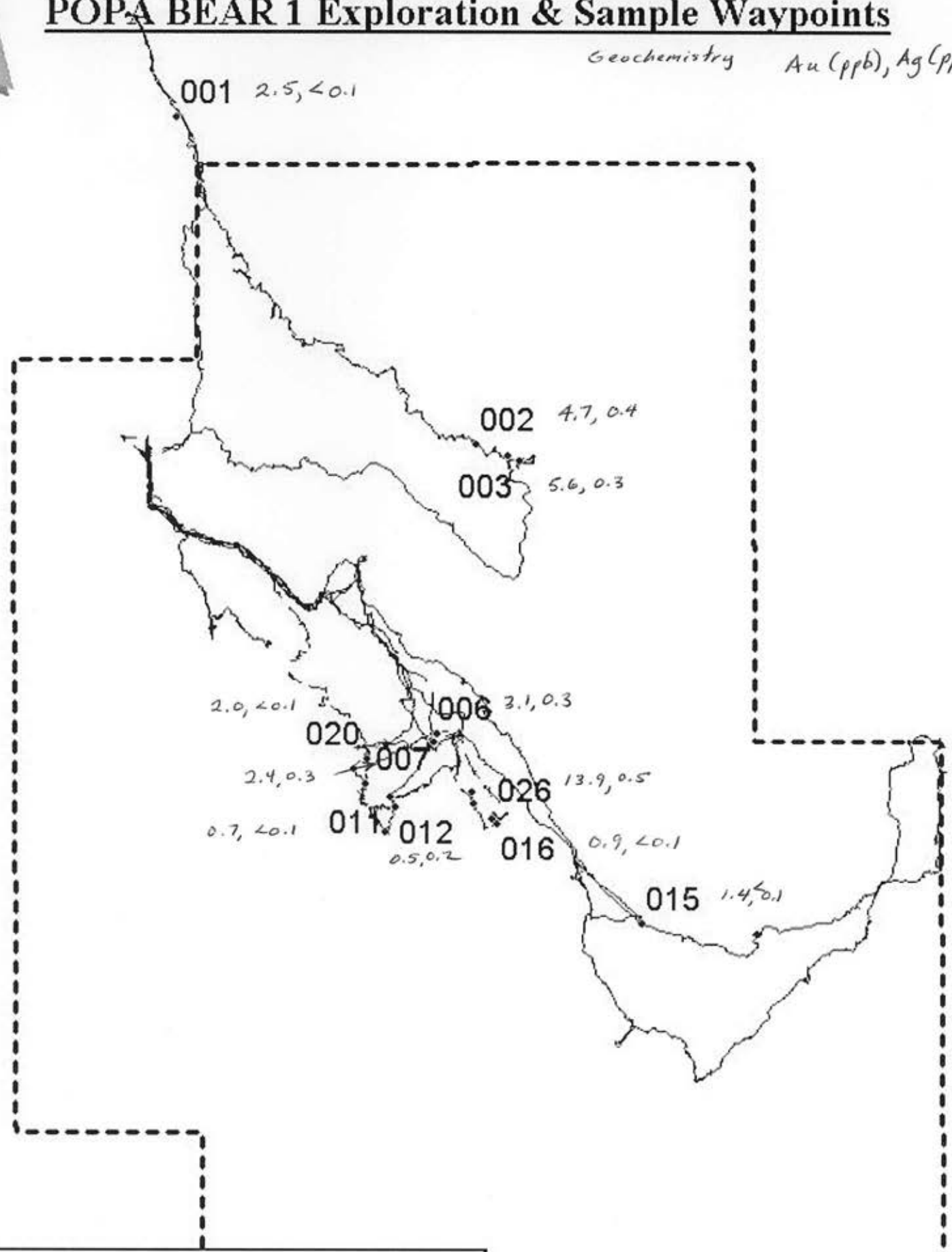
LEGEND

- coarse clastic sedimentary rocks
- dacitic volcanic rocks
- granodioritic intrusive rocks
- marine sedimentary and volcanic rocks
- serpentinite ultramafic rocks
- ultramafic rocks
- undivided sedimentary rocks
- Fault



POPA BEAR 1 Exploration & Sample Waypoints

Geochemistry Au (ppb), Ag (ppm)



LEGEND
— Tracklog



Acme Analytical Laboratories (Vancouver) Ltd.

PHONE (604) 253-3158

www.acmelab.com

Client: **Rogers, Don**
5854 41 St Crescent
Red Deer AB T4N 1B6 CANADA

Submitted By: Don Rogers
Receiving Lab: Canada-Vancouver
Received: January 08, 2013
Report Date: February 08, 2013
Page: 1 of 3

CERTIFICATE OF ANALYSIS

VAN13000198.1

CLIENT JOB INFORMATION

Project: POPPA BEAR 1
Shipment ID:
P.O. Number
Number of Samples: 46

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	46	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX3	46	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days

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: Thompson, Wyatt
5925 63 St #402
Red Deer AB T4N 6K7
CANADA

CC: Cam Gregory



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.



A Bureau Veritas Group Company

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Acme Analytical Laboratories (Vancouver) Ltd.

PHONE (604) 253-3158

Client: **Rogers, Don**
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Project: **POPPA BEAR 1**
Report Date: **February 08, 2013**

Page: 2 of 3

Part: 1 of 1

CERTIFICATE OF ANALYSIS **VAN13000198.1**

Method	Analyte	Unit	MDL	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30		
				Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Br	Cd	Sb	Bi	V	Ca
				kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	
001A	Rock			0.10	0.4	14.2	0.8	2	<0.1	1.4	0.5	380	0.87	1.8	<0.1	2.5	0.1	5	<0.1	<0.1	0.1	2	0.01
002A	Rock			0.28	0.9	20.4	6.9	19	0.4	1.5	0.6	169	1.68	<0.5	<0.1	4.7	0.4	15	<0.1	0.5	0.2	13	0.07
003A	Rock			0.07	1.1	45.3	4.5	64	0.3	14.2	4.7	516	4.35	<0.5	0.1	5.6	0.9	11	<0.1	0.3	0.1	55	0.20
004A	Rock			0.07	3.4	80.7	7.4	80	0.4	12.8	3.2	204	5.12	<0.5	0.1	1.7	1.6	9	<0.1	0.5	0.3	41	0.04
005A	Rock			0.14	1.3	106.9	5.2	82	0.2	40.2	9.5	403	3.16	1.1	0.3	3.6	2.1	3	0.3	0.3	0.2	25	0.13
006A	Rock			0.14	1.3	44.2	8.4	67	0.3	9.6	4.4	516	3.73	1.0	0.2	3.1	0.6	16	<0.1	1.6	0.1	41	0.28
007A	Rock			0.09	0.7	48.0	5.5	71	0.3	6.1	3.3	409	4.77	<0.5	0.1	2.4	0.7	11	<0.1	1.3	<0.1	42	0.15
008A	Rock			0.06	0.2	6.7	1.7	21	<0.1	6.4	2.0	221	1.14	1.3	<0.1	1.3	0.2	3	<0.1	0.2	<0.1	9	0.03
009A	Rock			0.04	2.0	143.1	7.4	104	0.2	36.1	11.0	482	10.31	5.7	0.2	1.2	0.9	11	<0.1	1.8	<0.1	69	0.18
010A	Rock			0.13	0.9	85.0	8.4	128	0.3	83.8	25.2	940	4.41	2.1	0.2	6.4	0.6	13	0.1	1.5	<0.1	55	0.28
011A	Rock			0.05	0.6	48.9	6.1	92	<0.1	20.8	7.8	533	4.24	<0.5	0.2	0.7	1.4	24	<0.1	0.3	<0.1	55	0.29
012A	Rock			0.09	1.2	48.8	6.9	83	0.2	13.0	4.9	457	4.30	<0.5	0.2	0.5	1.3	23	<0.1	0.8	0.2	45	0.33
013A	Rock			0.08	2.0	43.7	3.2	100	<0.1	51.1	17.2	818	4.13	2.2	0.3	0.9	1.9	29	0.4	0.2	<0.1	50	1.12
014A	Rock			0.06	0.6	31.7	3.2	82	<0.1	37.2	17.4	853	4.00	11.3	0.3	<0.5	0.7	59	<0.1	0.1	<0.1	81	1.63
015A	Rock			0.07	0.2	21.8	3.6	66	<0.1	31.2	12.6	667	3.38	4.8	0.2	1.4	0.6	84	0.1	<0.1	<0.1	61	2.25
016A	Rock			0.09	0.6	8.4	12.0	63	<0.1	7.6	4.6	299	1.32	0.9	0.4	0.9	1.3	108	<0.1	<0.1	<0.1	28	1.72
017A	Rock			0.08	0.5	19.9	4.5	51	<0.1	9.6	7.5	405	1.98	0.5	0.5	1.8	2.8	83	<0.1	0.1	<0.1	51	0.55
018A	Rock			0.10	1.4	105.3	8.6	122	0.3	42.8	22.8	1338	4.22	<0.5	0.1	4.7	0.6	24	0.4	1.7	0.2	38	1.38
019A	Rock			0.04	1.5	144.8	5.7	198	0.3	88.8	20.9	1851	9.02	<0.5	0.1	3.4	0.3	10	0.1	0.8	<0.1	108	0.29
020A	Rock			0.11	0.7	32.2	13.5	60	<0.1	68.8	18.8	1080	3.16	1.3	0.1	2.0	0.5	29	0.6	0.2	<0.1	32	0.98
022A	Rock			0.04	1.5	141.3	8.8	227	0.2	96.1	27.8	558	18.05	<0.5	0.2	3.1	1.2	7	0.3	1.7	<0.1	50	0.06
026A	Rock			0.27	1.8	82.2	10.1	118	0.5	28.5	15.1	894	4.89	<0.5	0.2	13.9	0.7	12	0.1	1.4	0.3	35	0.26
027A	Rock			0.09	4.6	87.3	4.3	145	0.4	56.4	19.8	761	6.80	9.7	0.3	3.0	0.7	11	0.2	1.5	<0.1	58	0.28
001B	Rock			0.08	0.2	2.8	0.5	2	<0.1	2.8	0.8	216	0.48	1.0	<0.1	<0.5	<0.1	2	<0.1	<0.1	<0.1	<2	0.09
002B	Rock			0.18	0.7	58.6	5.0	75	0.4	10.9	3.3	440	4.08	<0.5	<0.1	6.0	0.4	14	<0.1	0.6	0.1	29	0.59
003B	Rock			0.14	1.3	48.8	4.2	67	0.3	16.5	6.1	579	3.71	<0.5	0.1	5.7	0.8	13	0.1	0.2	0.2	65	0.18
004B	Rock			0.09	1.7	32.6	11.3	59	0.3	8.1	2.4	170	3.09	<0.5	0.1	1.9	1.6	11	<0.1	0.4	0.3	34	0.06
005B	Rock			0.10	18.7	85.8	6.5	44	0.3	19.2	3.1	132	3.90	<0.5	1.6	1.4	3.0	9	<0.1	0.7	0.4	33	0.14
006B	Rock			0.11	1.3	44.4	5.9	72	0.2	8.9	4.1	514	4.27	1.3	0.2	2.8	0.6	16	<0.1	1.3	0.1	47	0.28
007B	Rock			0.04	0.7	46.5	6.6	60	0.3	8.1	3.0	380	4.58	<0.5	0.2	3.4	0.7	14	<0.1	1.5	0.1	44	0.18

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Client: **Rogars, Don**
5854 41 St Crescent
Red Deer AB T4N 1B6 CANADA

Project: POPPA BEAR 1
Report Date: February 08, 2013

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Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13000198.1

Method	Analyte	Unit	MDL	1DX30 P %	1DX30 La ppm	1DX30 Cr ppm	1DX30 Mg %	1DX30 Ba ppm	1DX30 Ti %	1DX30 B ppm	1DX30 Al %	1DX30 Na %	1DX30 K %	1DX30 W ppm	1DX30 Hg ppm	1DX30 Sc ppm	1DX30 Ti ppm	1DX30 S %	1DX30 Ga ppm	1DX30 Se ppm	1DX30 Te ppm
001A	Rock			0.003	<1	8	0.01	5	0.003	1	0.04	0.005	0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
002A	Rock			0.046	2	11	0.37	140	0.077	<1	0.73	0.027	0.44	<0.1	<0.01	2.0	0.2	0.10	3	5.8	<0.2
003A	Rock			0.088	3	54	1.35	324	0.193	1	2.31	0.038	1.01	0.2	<0.01	3.7	0.4	0.05	5	1.1	<0.2
004A	Rock			0.052	6	31	0.87	210	0.024	3	1.72	0.025	0.48	0.1	0.01	3.2	0.1	<0.05	4	5.0	0.2
005A	Rock			0.014	8	28	0.37	54	0.017	2	0.81	0.008	0.15	<0.1	0.01	1.5	<0.1	0.07	2	0.7	<0.2
006A	Rock			0.074	2	24	0.93	123	0.142	3	1.77	0.044	0.23	0.1	<0.01	2.7	<0.1	<0.05	5	1.0	<0.2
007A	Rock			0.095	2	34	1.03	59	0.087	3	1.91	0.008	0.11	0.1	<0.01	2.7	<0.1	<0.05	5	1.1	<0.2
008A	Rock			0.007	<1	10	0.17	66	0.008	3	0.46	0.016	0.10	<0.1	<0.01	0.8	<0.1	<0.05	1	<0.5	<0.2
009A	Rock			0.121	2	54	1.46	108	0.232	3	2.67	0.033	0.18	0.1	<0.01	3.9	<0.1	0.20	6	1.8	<0.2
010A	Rock			0.087	3	56	1.85	158	0.078	2	2.68	0.042	0.31	<0.1	<0.01	3.4	0.2	<0.05	8	0.8	<0.2
011A	Rock			0.040	5	57	1.58	86	0.167	4	2.92	0.035	0.22	<0.1	<0.01	3.3	<0.1	<0.05	8	<0.5	<0.2
012A	Rock			0.064	5	37	1.42	69	0.208	4	2.61	0.042	0.21	<0.1	<0.01	3.0	<0.1	<0.05	6	0.8	<0.2
013A	Rock			0.057	5	44	1.89	45	0.150	3	2.80	0.024	0.12	0.1	<0.01	3.3	<0.1	<0.05	6	<0.5	<0.2
014A	Rock			0.043	3	82	1.70	35	0.184	3	2.81	0.076	0.10	0.1	<0.01	4.4	<0.1	0.08	7	<0.5	<0.2
015A	Rock			0.038	2	68	1.39	19	0.135	2	2.17	0.043	0.04	0.1	<0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
016A	Rock			0.041	8	13	0.51	52	0.091	2	2.58	0.051	0.14	0.1	<0.01	3.4	<0.1	<0.05	10	<0.5	<0.2
017A	Rock			0.064	12	13	0.73	73	0.160	2	1.30	0.211	0.17	0.1	<0.01	4.9	<0.1	<0.05	8	<0.5	<0.2
018A	Rock			0.082	3	21	1.25	63	0.119	1	2.09	0.024	0.09	0.1	<0.01	2.7	<0.1	<0.05	5	1.4	<0.2
019A	Rock			0.068	1	208	2.90	195	0.285	5	4.68	0.055	0.38	<0.1	<0.01	7.3	<0.1	<0.05	10	1.1	<0.2
020A	Rock			0.040	5	28	0.97	55	0.072	2	1.73	0.011	0.11	<0.1	<0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
022A	Rock			0.048	6	36	0.99	37	0.020	3	2.74	0.010	0.12	<0.1	<0.01	3.1	<0.1	0.18	4	2.2	<0.2
026A	Rock			0.088	3	13	1.10	107	0.243	3	2.21	0.021	0.18	0.2	<0.01	2.5	<0.1	<0.05	5	0.8	0.2
027A	Rock			0.117	3	81	1.51	118	0.191	4	2.78	0.042	0.21	0.2	<0.01	3.2	<0.1	<0.05	5	2.1	<0.2
001B	Rock			0.003	<1	8	0.02	9	0.002	<1	0.07	0.002	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
002B	Rock			0.341	2	35	1.14	157	0.090	<1	1.76	0.030	0.63	0.1	<0.01	4.6	0.4	0.23	5	5.5	<0.2
003B	Rock			0.078	3	90	1.56	334	0.151	2	2.56	0.026	1.15	<0.1	<0.01	3.8	0.6	<0.05	7	0.5	<0.2
004B	Rock			0.044	8	29	0.84	205	0.032	2	1.58	0.028	0.52	<0.1	<0.01	3.0	0.2	<0.05	4	4.0	<0.2
005B	Rock			0.098	7	23	0.42	76	0.013	2	0.89	0.008	0.21	0.1	0.02	1.8	<0.1	0.06	2	3.6	<0.2
006B	Rock			0.085	2	25	1.04	144	0.097	4	2.10	0.040	0.27	0.2	<0.01	3.0	<0.1	<0.05	5	1.1	<0.2
007B	Rock			0.110	2	36	0.92	90	0.077	2	1.81	0.018	0.18	0.1	<0.01	3.2	<0.1	0.05	4	1.2	<0.2

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Project: POPPA BEAR 1
Report Date: February 08, 2013

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Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN13000198.1

Method	Analyte	Unit	MDL	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30		
				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	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%	
				0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01
008B	Rock			0.07	0.9	48.9	9.5	84	0.2	21.7	9.5	541	3.93	3.9	0.3	3.4	0.9	9	0.3	0.8	0.2	43	0.22
009B	Rock			0.24	1.3	41.4	8.1	38	0.4	6.6	2.9	195	3.13	<0.5	0.2	2.6	0.9	5	0.1	1.8	0.2	18	0.28
010B	Rock			0.37	1.2	75.0	8.9	116	0.3	75.0	22.1	880	4.64	2.8	0.1	7.0	0.5	7	0.4	1.7	0.2	45	0.20
011B	Rock			0.18	0.7	52.1	7.6	92	0.1	23.3	8.0	554	4.33	0.8	0.2	3.3	1.3	22	0.2	0.5	0.3	42	0.42
012B	Rock			0.10	0.8	34.1	9.5	78	0.2	9.8	4.0	442	4.46	0.7	0.3	2.5	1.4	35	0.1	0.9	0.3	50	0.37
013B	Rock			0.08	1.3	39.0	4.8	106	<0.1	42.8	18.1	621	4.43	5.3	0.3	0.8	2.6	28	0.2	0.3	0.1	52	0.34
014B	Rock			0.07	0.1	25.7	5.0	76	<0.1	32.6	14.4	612	3.97	11.0	0.2	1.5	0.7	53	<0.1	<0.1	<0.1	76	1.38
015B	Rock			0.10	0.2	31.8	4.1	82	<0.1	37.8	16.9	782	4.04	9.2	6.2	1.8	0.9	26	0.2	0.2	<0.1	80	0.44
016B	Rock			0.19	0.2	6.2	8.0	45	<0.1	4.7	3.3	234	1.04	1.1	0.3	<0.5	1.0	94	<0.1	<0.1	<0.1	20	1.40
017B	Rock			0.07	0.3	20.1	8.0	53	<0.1	8.9	7.6	389	2.05	1.4	0.4	1.3	2.9	81	<0.1	0.1	0.1	48	0.52
018B	Rock			0.05	1.3	63.0	7.5	88	0.3	10.7	5.8	662	4.29	1.0	0.2	2.5	0.7	23	<0.1	1.5	0.2	50	0.40
019B	Rock			0.14	1.5	66.0	5.8	102	0.3	30.9	8.0	877	5.21	<0.5	0.1	3.9	0.4	13	<0.1	1.7	0.1	58	0.32
020B	Rock			0.05	0.3	6.9	4.3	18	<0.1	17.7	4.5	224	1.08	1.1	<0.1	1.7	<0.1	6	0.1	<0.1	<0.1	6	0.04
022B	Rock			0.04	0.8	100.9	10.5	156	0.2	92.7	33.7	623	8.51	0.9	0.3	1.2	1.9	34	0.2	2.7	0.1	59	0.16
026B	Rock			0.13	1.1	102.8	4.3	151	0.2	38.5	22.8	838	5.75	<0.5	0.2	35.5	0.5	12	0.2	0.4	0.1	47	0.25
027B	Rock			0.10	3.1	150.7	6.5	115	0.5	37.8	18.3	620	7.70	5.4	0.3	8.8	0.5	10	<0.1	1.7	0.2	48	0.13

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Project: POPPA BEAR 1
Report Date: February 08, 2013

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Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN13000198.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
Analyte	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Bc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
008B	Rock	0.047	4	28	1.08	188	0.112	5	2.02	0.038	0.24	0.2	<0.01	3.5	<0.1	<0.05	5	0.7	<0.2
009B	Rock	0.081	4	12	0.45	126	0.150	4	0.90	0.015	0.20	0.2	<0.01	1.7	<0.1	<0.05	3	2.1	<0.2
010B	Rock	0.094	3	80	1.58	68	0.053	5	2.38	0.015	0.15	0.1	<0.01	2.4	0.1	<0.05	5	1.0	<0.2
011B	Rock	0.045	7	41	1.41	33	0.113	2	2.35	0.014	0.08	<0.1	<0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
012B	Rock	0.089	6	39	1.33	148	0.200	7	2.82	0.055	0.40	<0.1	<0.01	3.7	<0.1	<0.05	8	<0.5	<0.2
013B	Rock	0.059	5	41	1.62	90	0.193	4	3.03	0.052	0.23	0.1	<0.01	3.4	<0.1	<0.05	7	<0.5	<0.2
014B	Rock	0.043	3	80	1.51	30	0.182	2	2.52	0.063	0.07	0.1	<0.01	4.0	<0.1	<0.05	7	<0.5	<0.2
015B	Rock	0.048	3	85	1.80	28	0.198	3	2.60	0.069	0.05	0.1	<0.01	4.2	<0.1	<0.05	7	<0.5	<0.2
016B	Rock	0.035	6	8	0.40	37	0.068	<1	2.11	0.032	0.11	0.1	<0.01	2.5	<0.1	<0.05	8	<0.5	<0.2
017B	Rock	0.064	12	9	0.69	90	0.162	2	1.32	0.196	0.17	0.1	<0.01	4.2	<0.1	<0.05	7	<0.5	<0.2
018B	Rock	0.095	3	23	1.11	213	0.191	4	2.38	0.058	0.37	0.2	<0.01	4.0	<0.1	<0.05	6	0.9	<0.2
019B	Rock	0.073	2	107	1.60	95	0.218	2	2.67	0.035	0.15	0.1	<0.01	3.2	<0.1	<0.05	7	1.0	<0.2
020B	Rock	0.012	2	12	0.17	21	0.016	<1	0.37	0.008	0.05	<0.1	0.01	0.6	<0.1	<0.05	1	<0.5	<0.2
022B	Rock	0.062	10	39	1.18	145	0.035	7	3.25	0.047	0.41	<0.1	<0.01	5.0	<0.1	0.05	7	0.7	<0.2
026B	Rock	0.061	2	22	1.53	120	0.254	3	2.82	0.016	0.19	0.1	<0.01	2.8	<0.1	<0.05	6	1.0	<0.2
027B	Rock	0.059	2	51	1.46	137	0.228	3	2.62	0.035	0.22	<0.1	<0.01	3.2	<0.1	0.07	6	2.6	<0.2

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Project: POPPA BEAR 1
Report Date: February 08, 2013

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QUALITY CONTROL REPORT

VAN13000198.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
003A	Rock	0.07	1.1	45.3	4.5	64	0.3	14.2	4.7	516	4.35	<0.5	0.1	5.6	0.9	11	<0.1	0.3	0.1	55	0.20
REP 003A	QC		1.2	45.1	4.5	64	0.3	14.5	4.5	504	4.33	<0.5	0.1	4.0	0.8	11	<0.1	0.4	0.2	54	0.19
004B	Rock	0.09	1.7	32.6	11.3	59	0.3	8.1	2.4	170	3.09	<0.5	0.1	1.8	1.6	11	<0.1	0.4	0.3	34	0.06
REP 004B	QC		1.4	32.4	11.5	57	0.3	7.5	2.3	164	3.03	<0.5	0.1	3.4	1.5	11	<0.1	0.3	0.3	32	0.06
027B	Rock	0.10	3.1	150.7	6.5	115	0.5	37.6	16.3	620	7.70	5.4	0.3	3.8	0.5	10	<0.1	1.7	0.2	48	0.13
REP 027B	QC		3.6	159.2	6.9	114	0.5	37.7	16.6	641	8.09	5.8	0.3	3.1	0.6	11	0.2	1.8	0.2	51	0.14
Core Reject Duplicates																					
001A	Rock	0.10	0.4	14.2	0.6	2	<0.1	1.4	0.5	380	0.67	1.6	<0.1	2.5	0.1	5	<0.1	<0.1	0.1	2	0.01
DUP 001A	QC		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
012B	Rock	0.10	0.8	34.1	9.5	78	0.2	9.8	4.0	442	4.46	0.7	0.3	2.5	1.4	35	0.1	0.9	0.3	50	0.37
DUP 012B	QC		0.7	30.3	7.9	79	0.2	9.0	3.8	415	4.05	0.7	0.2	3.3	1.2	32	<0.1	0.7	0.3	43	0.37
Reference Materials																					
STD DS9	Standard		13.7	111.4	129.3	314	1.8	42.5	7.9	583	2.38	25.3	2.9	114.4	7.5	76	2.2	5.9	6.3	42	0.78
STD DS9	Standard		13.2	104.2	107.3	307	1.8	38.4	7.0	566	2.40	24.4	2.5	118.4	6.0	70	2.1	5.4	5.7	40	0.76
STD DS9	Standard		13.7	110.1	128.1	311	1.8	40.8	7.7	590	2.37	25.5	2.9	119.3	7.2	77	2.4	6.4	6.9	38	0.89
STD DS9	Standard		12.4	108.8	139.5	303	1.9	40.3	7.6	593	2.35	25.2	3.2	119.2	6.9	80	2.3	6.5	7.6	40	0.73
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.89	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		0.1	2.2	3.2	44	<0.1	2.0	3.5	879	1.85	<0.5	2.1	1.8	6.4	66	<0.1	<0.1	<0.1	36	0.46
G1	Prep Blank		0.1	2.1	3.2	44	<0.1	2.3	3.8	576	1.88	<0.5	1.9	<0.5	6.2	69	<0.1	<0.1	<0.1	36	0.47

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Project: POPPA BEAR 1
Report Date: February 08, 2013

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Part: 2 of 1

QUALITY CONTROL REPORT

VAN13000198.1

Method	Analyte	Unit	MDL	1DX30 P %	1DX30 La ppm	1DX30 Cr ppm	1DX30 Mg %	1DX30 Ba ppm	1DX30 Tl %	1DX30 B ppm	1DX30 Al %	1DX30 Na %	1DX30 K %	1DX30 W ppm	1DX30 Hg ppm	1DX30 Sc ppm	1DX30 Ti ppm	1DX30 S %	1DX30 Ga ppm	1DX30 Se ppm	1DX30 Te ppm
Pulp Duplicates																					
003A	Rock			0.089	3	54	1.35	324	0.183	1	2.31	0.036	1.01	0.2	<0.01	3.7	0.4	0.05	5	1.1	<0.2
REP 003A	QC			0.082	3	59	1.32	314	0.184	1	2.27	0.035	1.01	0.1	<0.01	3.6	0.5	0.05	6	1.3	<0.2
004B	Rock			0.044	6	29	0.84	205	0.032	2	1.58	0.026	0.52	<0.1	<0.01	3.0	0.2	<0.05	4	4.0	<0.2
REP 004B	QC			0.045	6	28	0.81	196	0.032	1	1.48	0.024	0.50	<0.1	<0.01	3.0	0.2	<0.05	4	4.0	<0.2
027B	Rock			0.058	2	51	1.48	137	0.228	3	2.82	0.033	0.22	<0.1	<0.01	3.2	<0.1	0.07	6	2.6	<0.2
REP 027B	QC			0.066	2	53	1.53	147	0.253	2	2.83	0.038	0.24	<0.1	<0.01	3.5	<0.1	0.07	6	2.6	<0.2
Core Reject Duplicates																					
001A	Rock			0.003	<1	9	0.01	5	0.003	1	0.04	0.005	0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
DUP 001A	QC			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
012B	Rock			0.088	8	39	1.33	148	0.200	7	2.82	0.055	0.40	<0.1	<0.01	3.7	<0.1	<0.05	8	<0.5	<0.2
DUP 012B	QC			0.088	8	37	1.27	127	0.202	7	2.83	0.048	0.34	<0.1	<0.01	3.4	<0.1	<0.05	7	<0.5	<0.2
Reference Materials																					
STD DS9	Standard			0.080	15	124	0.84	313	0.131	4	1.03	0.093	0.41	3.1	0.18	2.7	5.4	0.17	5	6.4	5.0
STD DS9	Standard			0.078	14	117	0.84	300	0.108	2	1.02	0.092	0.40	3.3	0.22	2.8	5.8	0.16	5	5.4	5.3
STD DS9	Standard			0.083	13	124	0.81	300	0.124	4	0.94	0.077	0.38	3.0	0.21	2.4	5.5	0.18	5	5.7	5.2
STD DS9	Standard			0.082	14	123	0.81	298	0.129	3	0.94	0.086	0.40	3.2	0.22	2.3	5.2	0.17	5	5.7	5.1
STD DS9 Expected				0.0818	13.3	121	0.8165	285	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.58	5.2	5.02
BLK	Blank			<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank			<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank			<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank			<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																					
G1	Prep Blank			0.077	14	10	0.45	136	0.124	<1	0.86	0.110	0.46	<0.1	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank			0.079	14	9	0.48	154	0.128	1	0.80	0.188	0.46	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2

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