

Geochemical & Prospecting Report
on the
Host Claims

Whitehorse Mining District

NTS 115 H / 4

Lat. 61 08 16.5
Long. 137 53 05.1

Ruby Creek Valley

094494

by: Brad Mackinnon
Owner

Costs associated with this report have been
approved in the amount of \$ 2400.00
for assessment credit under Certificate of Work
No. QW 27736

M Southwick
Mining Recorder
Mining District

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YUKON ENERGY MINES
& RESOURCES LIBRARY
PO BOX 2703
WHITEHORSE, YUKON Y1A 2G8

Statement of Costs

1.	Labour: Sample collection etc. - (description of work pg. 4).-	= \$330.00
2.	Packaging & sample freight to Vancouver.-	= \$70.00
3.	Equipment - (description of work pg. 4). -	= \$1,093.00
4.	Camp -	= \$100.00
5.	Report preparation -	= \$200.00
6.	Travel -	= \$200.00
7.	Assay costs - (estimated)	= \$500.00
		<hr/>
		Total \$2,493.00

*Note: Actual Acme lab costs & results will be forwarded once received.

Description of Work - (Sept. 21st - 27th) 2004

1. Stripping of decomposed bed-rock on Host claim YC 26482. Objective was to achieve uncontaminated vein samples. Shist to either side of the veins may have values but my main goal at this time was to confirm local mineralized fluid flow.

Sample sites 101 & 103.

Area stripped with JD 750 & ripper. (60' x 70' x 2' average.)

= (311 cu. yd. x \$3.00)

Sample collection / washing / bagging.

= (2hr x \$30.00)

Total = \$993.00

2. Vein sample 103 on claim YC 26234. Collect & prep.

= (1 hr x \$30.00)

Total = \$30.00

3. Collection of 36 primary soil samples for geochemical analysis. These samples were collected from both sides of the valley over the length of the claim block. Sites are marked on attached map.

Method: Samples were taken from below the volcanic ash layer. Each sample was then dried & screened to 20 mesh then bagged.

= (8 hr x \$30.00)

Samples in lower section of valley required use of JD 544 loader to remove a heavy layer of organics & fluvial debris.

= (2 hr x \$80.00)

Total = \$ 400.00

4. Packaging and freight costs of sending samples to Acme Analytical Laboratories in Vancouver.

Total = \$70.00

History:

The Host 1-14 claims were staked in February of 2004 by myself, Brad Mackinnon. Prior to this the area had been formerly staked by J.P. Ross in 1994. Presumably he let these claims lapse after a time due to his efforts on the nearby Killermun property. Yukon minfiles show that he had recovered some high Au anomalies in a few samples.

I have had placer ground here for several years. I became aware that there could be a hard-rock ore body in the vicinity due to several placer mining observations. Bostock reports from the turn of the century indicated that "old-time" miners had found crystalline gold on Ruby also. As the old miners were generally very thorough in prospecting an area before drifting or shafting, I had always assumed that the gold in the valley had been subjected to glacial transport.

I realize now that prospecting would have been impeded by permafrost, groundwater, and glacial drift. Having heavy machinery on the site to remove overburden has given me a prospecting advantage over past endeavors. I have found many samples of "gold-in-place". Several old workings have also been exposed and show that many of the early miners sunk shafts and then drifted. In one old shaft the log cribbing was doweled at the corners. Big rocks were placed neatly along the bottom of the drift to presumably act as a drain.

Geology:

The area lies within the Kluane Metamorphic Assemblage which is bordered on the southwest by the Denali Fault Zone. To the northeast side is the Ruby Range Plutonic Suite. The KMA is approximately 150 km in length and is believed to be a metamorphosed variation of the Dezadeash Group. Mezger assumes in a 1999 Yukon geology report that the formation of the KMA is due to a back-arc subduction event.

Overprinting seems quite likely to me as I have recovered at least four different types of local gold. It appears to me that Ruby Creek has cut itself down into one of these over-printed events. Rim-rock areas do not reflect what is seen at the valley bottom. Most likely some of the different types of gold have been transported by various fluid-flow events. As I have not yet encountered any rock types other than the standard local shist it would be difficult to say that the gold has been hosted in different rock types. It would seem more likely to me that some of the fluid events have deposited mineralized fluids into deformed shist. This lends credence to my feeling of overprinting and multiple events.

The rocks of Ruby Creek Valley are composed of a metamorphosed quartz-biotite shist. Some areas of the shist are highly chloritized and I have seen chorite globules in the quartz. Most quartz-shist contacts at the valley level are highly oxidized which would also help account for un-deformed gold being recovered during placer mining.

cont'd.....

Upthrust and highly fractured shist support the idea of local faulting. The rapid rise in elevation of the bed-rock at the confluence of Little Ruby Creek suggests an underlying intrusive or pluton. The northwest dipping nature of the shist further supports the idea that mineralized fluid has traveled along fracture planes to be deposited farther down valley.

Approximately 2 miles up-valley is an exposure of ultra-mafic serpentinite. This out-crop is associated to other known exposures in a line along the east side of Kluane Lake. Mezger has suggested that these serpentinized rocks are alpine deposits of oceanic crustal remnants. Some prospectors have suggested that these intrusives mark the contact zone of continental collision. I disagree with this in part due to the deformed nature of the area in general. Evidence points to much deformation due to lateral movement of a tectonic plate nature. These factors in combination with local faulting will provide many challenges in mineral location. The contact zone between overprints seems like they would be the best host for mineral deposition of significance. This may be what I have encountered on Ruby Creek.

Statement of Prospecting Abilities

1. Worked on Burwash Creek in early 70's for Henry Bezner.
2. Began placer mining for myself on Arch Creek in the 80's.
3. Took basic & advanced prospecting courses in mid-80's.
4. Self study on origins of gold and glaciology.
5. Self study of Plate Tectonics & general geology.
6. Orogenic gold short course in 2004.

Brad Mackinnon
Brad Mackinnon

05 January 2005

Bradley D. MacKinnon
Box 5407
Haines Junction, Y.T.
Y0B 1E0

List of Claims

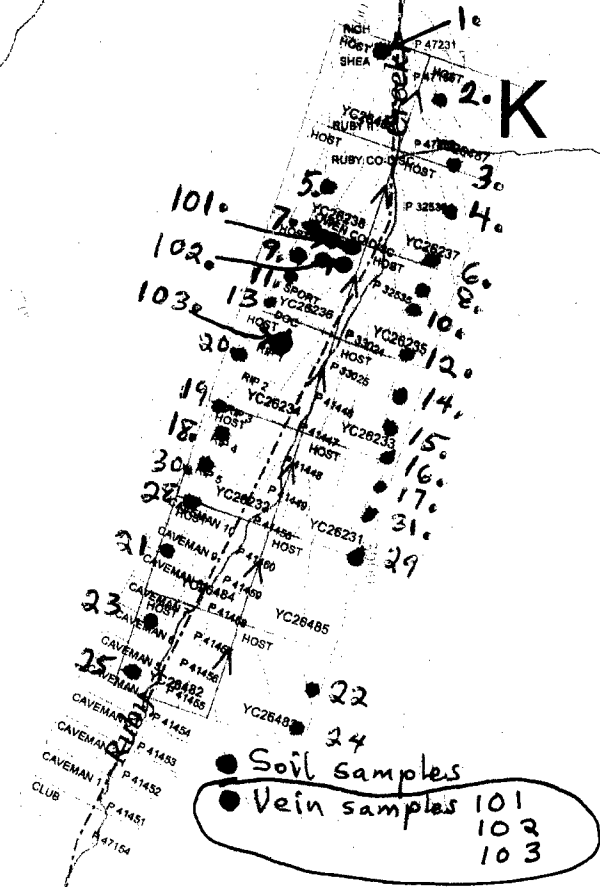
According to our records, the lapsing date(s) of the below list claim(s) is (are) as indicated:

Claim Name #	Grant Number	Expiry Date	Location
HOST	1. YC26231	2005/02/06	Ruby Creek
	2. YC26232	2005/02/06	Ruby Creek
	3. YC26233	2005/02/06	Ruby Creek
	4. YC26234	2005/02/06	Ruby Creek
	5. YC26235	2005/02/06	Ruby Creek
	6. YC26236	2005/02/06	Ruby Creek
	7. YC26237	2005/02/06	Ruby Creek
	8. YC26238	2005/02/06	Ruby Creek
	9. YC26482	2005/02/20	Ruby Creek
	10. YC26483	2005/02/20	Ruby Creek
	11. YC26484	2005/02/20	Ruby Creek
	12. YC26485	2005/02/20	Ruby Creek
	13. YC26486	2005/02/20	Ruby Creek
	14. YC26487	2005/02/20	Ruby Creek

We draw your attention to Section 59(1)&(2) of the Quartz Mining Act regarding payment in lieu of assessment work. If it is your intention to apply for renewal of any of the above mentioned claims(s) by making payment in lieu of work, payment MUST be received on or before the lapsing date(s) indicated. Fees for this type of renewal are \$105 per claim as per Section 56(1) and Schedule 2 of the Quartz Mining Act.

Ruby Creek 115 H/4

2004 Sample Sites
Host Claims



CAFN S-365B06
115 H/04
GAFN S-365B1

CAFN S-364B05
115 H/04

Granite



GEOCHEMICAL ANALYSIS CERTIFICATE



MacKinnon, Brad PROJECT RUBY File # A406444
Box 5407, Haines Junction YT Y0B 1L0

SAMPLE#	Au* ppb
G-1	<.5
1	1290.9
2	2159.0
3	112.8
4	2610.2
6	1108.8
7	142.1
8	3811.4
11	409.5
12	19215.0
13	143.2
15	2571.9
16	6099.4
17	381.9
19	23078.9
RE 19	10277.0
20	3125.0
21	54.7
23	306.9
24	601.3
25	417.9
26	797.6
27	97.2
28	40.7
29	838.6
30L1-1	85.8
31R1-1	1484.8
202	199.8
203	2986.3
204	2850.0
STANDARD DS5	40.4

GROUP 3A - 15 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AU* = 100 PPM.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data h FA _____ DATE RECEIVED: OCT 18 2004 DATE REPORT MAILED: Nov. 8/04.....



GEOCHEMICAL ANALYSIS CERTIFICATE

Mackinnon, Brad PROJECT RUBY File # A406443
Box 5407, Haines Junction YT Y0B 1L0

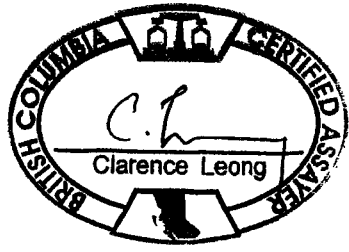


SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	% ppm	ppm	% ppm	ppm	% ppm	% ppm	%	%	% ppm	ppm	ppm	ppm	ppm	% ppm	ppm	ppm	ppm
G-1	1.6	3.5	2.4	36	<.1	4.5	3.5	468	1.75	<.5	1.7	<.5	3.6	80	<.1	<.1	.1	37	.53	.077	8	13.0	.46	201	.109	<1	.83	.070	.42	1.5	<.01	1.8	.3	<.05	4	<.5
5	.5	42.7	8.0	84	.3	36.8	13.1	447	3.08	14.6	.7	1230.3	2.8	31	.1	.2	.1	73	.49	.101	10	55.3	1.02	148	.104	1	1.84	.010	.36	.2	.10	4.4	.2	<.05	6	<.5
9	.7	44.3	4.3	83	.2	38.0	13.4	576	3.42	39.7	1.2	446.9	3.0	35	.1	.2	.2	83	.55	.113	10	59.6	1.05	158	.110	2	1.91	.012	.37	1.1	.03	5.3	.2	<.05	6	<.5
10	.9	85.7	5.4	109	.3	66.5	18.9	496	4.25	54.3	1.5	211.9	4.0	30	.1	.2	.2	113	.37	.101	11	82.5	1.36	304	.165	<1	3.18	.009	.76	1.2	.06	8.4	.4	<.05	10	<.5
14	.5	36.0	4.1	76	.1	36.3	12.3	392	3.00	8.8	.6	125.6	2.7	25	.1	.2	.1	76	.43	.082	8	58.3	1.02	120	.105	1	1.76	.012	.31	.1	.02	4.4	.2	<.05	6	<.5
18	.7	37.7	4.4	81	.4	40.2	13.2	586	2.98	18.2	.6	2132.8	2.5	29	.1	.2	.1	73	.49	.100	9	60.3	.97	150	.106	1	1.68	.010	.36	.1	.08	4.3	.2	<.05	6	.5
22	.5	43.2	4.0	81	.1	40.5	13.5	446	3.30	23.8	.8	133.9	2.7	30	.1	.2	.1	81	.54	.124	10	61.2	1.05	151	.113	<1	1.90	.010	.40	.3	.02	4.6	.2	<.05	6	<.5
STANDARD	12.3	145.3	25.0	138	.3	25.3	11.8	793	2.99	17.8	6.1	42.0	2.8	45	5.5	3.8	5.9	62	.72	.091	12	188.0	.64	137	.093	17	2.06	.032	.14	4.7	.19	3.3	1.0	<.05	7	4.6

Standard is STANDARD DS5.

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C

Data FA DATE RECEIVED: OCT 18 2004 DATE REPORT MAILED: Nov 10/04





ASSAY CERTIFICATE

MacKinnon, Brad PROJECT RUBY File # A406446
 Box 5407, Haines Junction YT Y0B 1L0

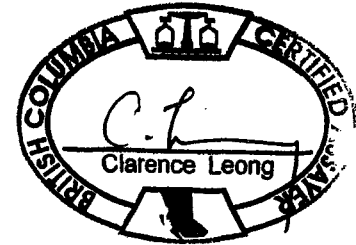
SAMPLE#	Au** gm/mt	Pt** gm/mt	Pd** gm/mt
SI	<.01	<.01	.02
201	1064.26	.03	.02
STANDARD FA-10R	.49	.47	.48

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
 - SAMPLE TYPE: PANCON P150 60

Data f FA _____

DATE RECEIVED: OCT 18 2004

DATE REPORT MAILED: Nov 16/04



GEOCHEMICAL ANALYSIS CERTIFICATE

MacKinnon, Brad PROJECT RUBY File # A406445
Box 5407, Haines Junction YT Y0B 1L0



SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**	Sample
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	kg
SI	1	<1	4	1	<.3	<1	<1	<2	.05	<2	<8	<2	<2	3	<.5	<3	<3	<1	.14	<.001	<1	1	<.01	8	<.01	<3	.01	.60	.01	<2	<2	-
101	2	44	4	91	<.3	53	11	335	3.46	46	<8	<2	4	14	<.5	<3	<3	47	.23	.102	14	49	.75	103	.03	4	1.60	.03	.11	2	4	3.30
102	2	27	6	60	<.3	31	8	285	2.29	23	<8	<2	2	13	<.5	<3	<3	40	.17	.070	8	37	.63	107	.03	<3	1.48	.02	.15	3	2	3.11
103	<1	15	8	66	<.3	26	10	334	2.61	15	<8	<2	<2	8	<.5	<3	<3	34	.09	.027	3	48	.99	49	.03	<3	1.42	.08	.08	<2	7	3.20
STANDARD DS5/AU-R2	13	143	23	129	.3	24	11	762	2.94	19	<8	<2	3	44	5.2	6	6	57	.69	.092	11	177	.65	130	.10	15	1.95	.04	.14	5	599	-

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** GROUP 3B - 30.00 GM SAMPLE ANALYSIS BY FA/ICP.

Data FA _____ DATE RECEIVED: OCT 18 2004 DATE REPORT MAILED: Nov 3/04

