

**BC Geological Survey  
Assessment Report  
30934**

**A Geochemical and Prospecting Report  
On the  
Copper Frog Property**

**Mineral Tenure # 532093, 565938 and 565939**

**Liard Mining Division**

**Latitude: 58° 11' 27"**

**Longitude: 127° 09' 30"**

**NTS Map – 094L/03E**

**UTM – Zone 09 (NAD 83) 608778E 6432884N**

**Owner: CJL Enterprises of Smithers, B.C.**

**Author: T. Bell of Smithers, B.C.**

**Funded by Roxgold Inc of Vancouver, B.C.**

**June 12, 2009**

**Smithers, BC**

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## SUMMARY

The Copper Frog property is comprised of Mineral Tenures 532093, 565938 and 565939.

The property is situated 240 kilometres east of Telegraph Creek, B.C. It lies in the Cassiar Mountains of the Stikine Ranges on the west side of the Frog River at about 58 degrees North latitude.

The Copper Frog property is located in an area of Early Jurassic granodioritic intrusive rocks.

The 2008 exploration field program was carried out by a four man crew from August 24 to September 1, 2008 and consisted of silt, rock sampling and detailed prospecting. During the program approximately 74 silt samples and 78 rock samples were collected with only the silt samples being sent for analysis.

The results of the work conducted during the 2008 season indicated that the potential for the occurrence of a "porphyry" style copper deposit in the immediate area was not probable. The stream sediment sampling program (silts) indicate that the copper enrichment in the area is restricted to the area of bornite rich veins. The rock sampling program did not indicate any areas of widespread alteration associated with porphyry style mineralization. The rock samples were not analyzed due to the low response of the stream sediment sampling program.

## RECOMMENDATIONS

It is recommended to the owner that assessment be applied to the core claim and to retain the title to this occurrence until access has improved to this area before any further serious exploration is carried out.

## OBJECTIVES OF THE PROGRAM

The objectives of the 2008 program was to determine if the massive bornite/quartz veins were indicative of a larger porphyry style copper rich system occurring in this area

## INTRODUCTION

The Copper Frog property covers the occurrence of quartz veins with massive bornite and chalcopyrite hosted in a granodiorite intrusive rock and is large enough to include any other occurrences of copper mineralization within the immediate area of these "high grade" veins

The purpose of this report is to summarize the results of the fieldwork conducted in 2008 by the field crew. The 2008 season's work consisted of rock and stream sediment sampling, and detail prospecting. Also mentioned in this report is some of the previous work carried out in 2007 by Warren.

## LOCATION, ACCESS, PHYSIOGRAPHY

The Copper Frog property is situated 240 kilometres east of Telegraph Creek. It lies immediately to the south of the confluence of Pitman River with the Frog River.

Access is by helicopter, about a 15 minute flight from Pacific Western's base at Fish Lake. A float equipped fixed wing aircraft was used to transport the crew from Smithers to a lake in the vicinity of the headwaters of the Pitman River. A helicopter from Fish lake was used daily to move the crew from the camp to various areas of the property for the 2008 field program.

The property is in the Stikine Mountains. The slopes are rugged, from moderately steep to very steep with elevations ranging from 965 to 2340 metres. A heavy virgin forest growth of balsam fir, spruce and hemlock covers the lower elevations of the claim area up to about 1500 metres elevation, above which heather; scrub fir, grass-covered areas, talus and rock bluffs predominate.

## CLAIM DATA

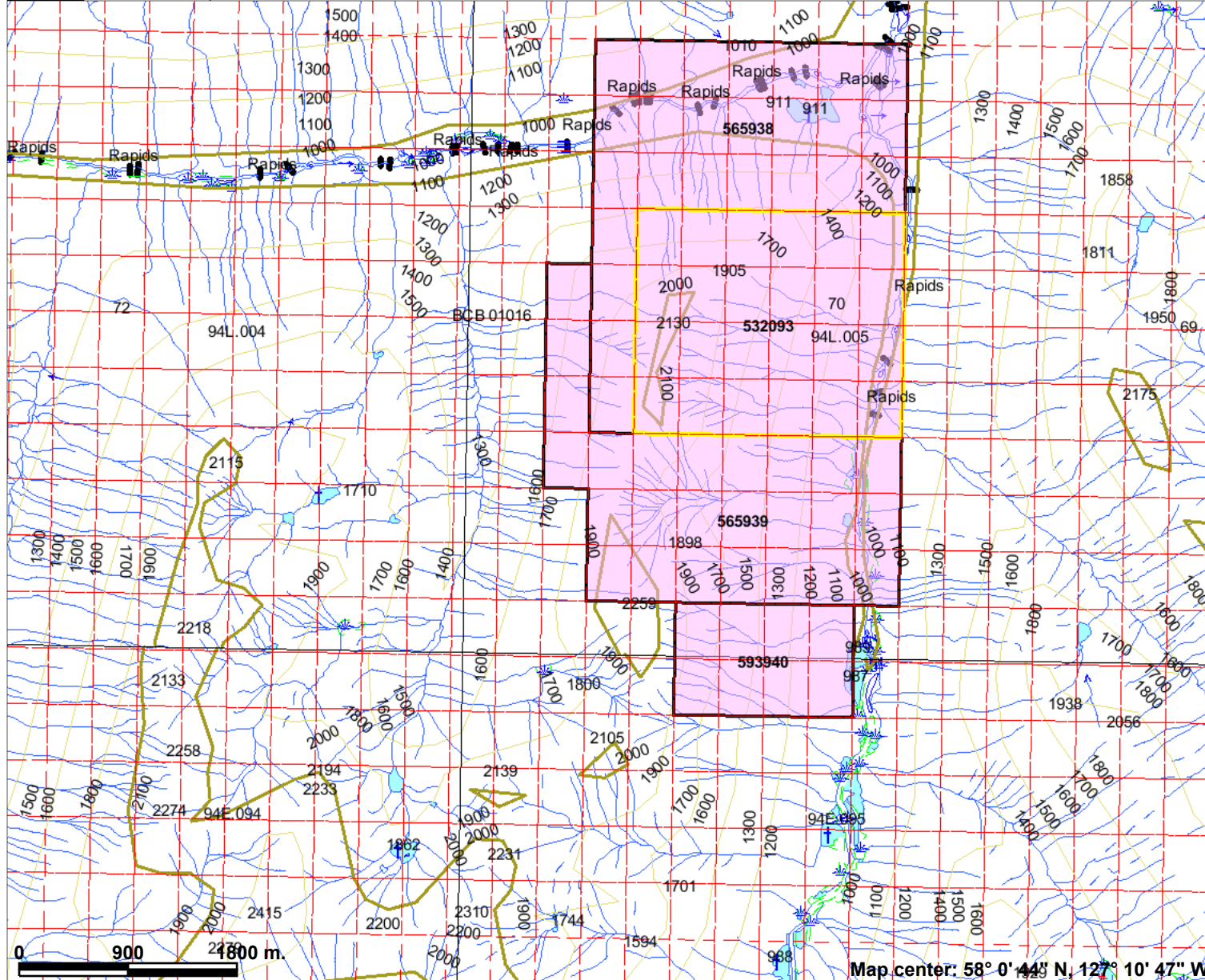
The Copper Frog property comprises Tenure 532093, 565938 and 565939 total of 1268.4 hectares

Registered owner CJL Enterprises Ltd Client #215537

CLAIM NAME	TENURE NUMBER	WORK RECORDED TO	STATUS Good standing*	CLIENT NUMBER	Hectares
Frog	532093	2009/Apr/13	2015/Apr/13	215537	411.37
Copper Frog TB 1 2007	565938	2009/Sept/13		215537	428.37
Copper Frog TB 2 2007	565939	2009/Sept/13		215537	428.67

\*Good standing when this report has been accepted for assessment

# Tenure 2009



## Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- MTO Grid (MTO)
- Blocked by MEM
- Other
- 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
- Survey Parcels
- BCGS Grid
- Contours (1:250K)
- Contour - Index
- Contour - Intermediate
- Area of Exclusion
- Area of Indefinite Contours
- Transportation - Points (TRIM)
- Helipad
- Transportation - Lines (TRIM)
- Airfield
- Airport
- Airstrip

0 900 1800 m.

Map center: 58° 0' 44" N, 127° 10' 47" W

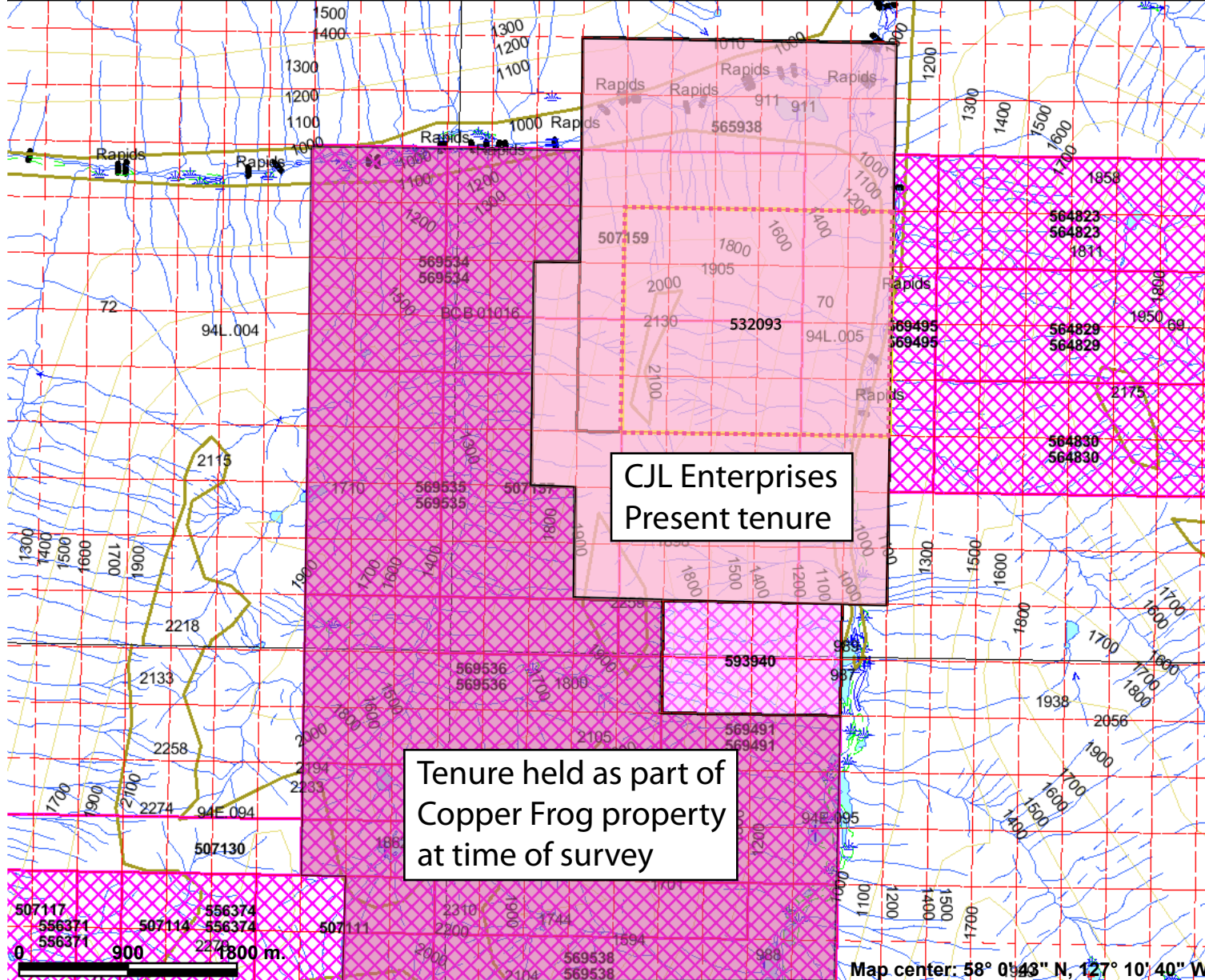


Scale: 1:50,000

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

Figure: 1

# 2008 Tenure - at the time of the survey / field work



### Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- MTO Grid (MTO)
- Blocked by MEM
- Other
- Mineral Tenure (current)
- Mineral Claim
- Mineral Lease
- Mineral Tenure (history) - 2008
- Mineral Tenure (history)
- Mineral Reserves (current)
- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- Survey Parcels
- BCGS Grid
- Contours (1:250K)
- Contour - Index
- Contour - Intermediate
- Area of Exclusion
- Area of Indefinite Contours
- Transportation - Points (TRIM)
- Helipad
- Transportation - Lines (TRIM)

Scale: 1:50,000

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

Figure: 2

## HISTORY OF THE PROPERTY

- ◆ Original showing discovered about 1964/65
- ◆ AR 16670, 1987 by Alex McMillan
- ◆ Lorne Warren 2007 unpublished data
- ◆ Warren / Roxgold Inc 2009 – this report

## WORK PROGRAM

The program consisted of detailed prospecting and the collection of stream sediment samples over as wide an area as possible.

The crew was set up a base camp on a lake situated just east of the headwaters of the Pitman River and was set out and picked up by helicopter each day thus vastly increasing the area covered. The helicopter, Pacific Western, was based out of Fish Lake

Rock sampling during the 2008 program was of both mineralized and un-mineralized bedrock exposure; float and sub-crop located during the prospecting and silt sampling traverses. Descriptions of the samples are in appendix B.

## GEOLOGY

### REGIONAL GEOLOGY

The Copper Frog property is located within the Pitman Batholith, a large Early Jurassic intrusion that is part of the Guichon Plutonic Suite in the Quesnellia terrane. It is composed of well foliated quartz diorite and granodiorite. In the northeast quadrant of the claim area there are Devonian to Permian unnamed and undivided volcanic rocks along with Early Cretaceous unnamed orthogneiss metamorphic rocks in contact with the intrusion. There appears to be an east / west fault contact between the intrusive and the volcanic and metamorphic rocks on the north side of the claim block

### SILT SAMPLING PROGRAM

Results of the stream sediment (silt) survey are presented in appendix A (figures 4, 5 and 6) with the complete analytical results from Acme laboratories in appendix C.

### METHODOLOGY

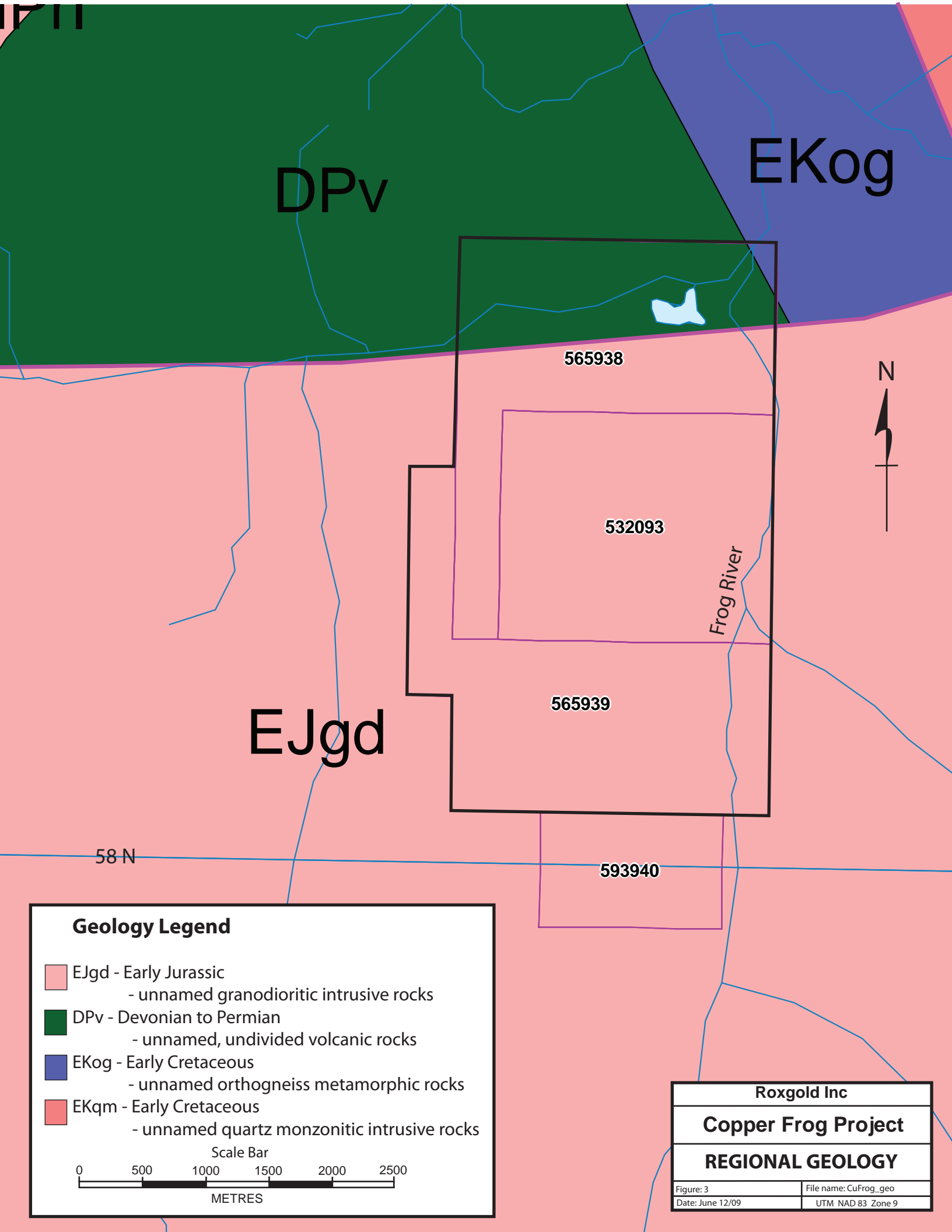
The silt samples were collected by hand, put into high strength Kraft soil bags, transported to base camp, checked for damaged or incorrectly numbered bags, air dried and packed for shipment to Acme Labs field facilities in Smithers where they were prepped for shipment to the Acme Analytical lab in Vancouver. Field notes collected at each site included: the UTM co-ordinates for each site (if possible) and a description of the sediment site and / or the rock specimen collected.

### GEOCHEMICAL SAMPLE PREPARATION and ANALYSIS

Stream sediment samples were sent to Acme Analytical Laboratories Ltd. in Vancouver, BC and analysed with the 1DX multi-element ICP-MS package. Silts were sieved to -80 mesh. Samples were analyzed for 30 elements. This involved a 30gm sample leached with 180 ml of HCL-HNO<sub>3</sub>-H<sub>2</sub>O at 95o C for one hour, diluted to 600ml and then analyzed by Optima ICP-ES and MS. Elements provided were the following: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Sr, Th, Ti, Tl, U, V, W, and Zn. Samples were run for fire assay- atom absorption finish for Au with a 2 ppb detection limit.

Sediments typically undergo two stages of preparation consisting of drying and screening. At AcmeLabs we dry these materials at 60°C to minimize loss of volatile elements (eg. Mercury. Unless requested otherwise by the client; soils, tills and sediments are screened to -180 microns (-80 mesh ASTM).

Samples are handled, dried and screened in an area dedicated for these media to avoid contamination from more mineralized rock and core samples.



DPv

EKog

EJgd

565938

532093

565939

593940

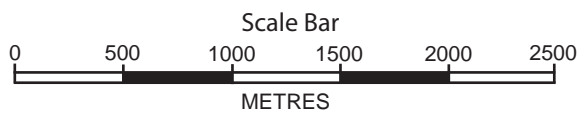
Frog River



58 N

**Geology Legend**

- EJgd - Early Jurassic  
- unnamed granodioritic intrusive rocks
- DPv - Devonian to Permian  
- unnamed, undivided volcanic rocks
- EKog - Early Cretaceous  
- unnamed orthogneiss metamorphic rocks
- EKqm - Early Cretaceous  
- unnamed quartz monzonitic intrusive rocks



Roxgold Inc

**Copper Frog Project**

**REGIONAL GEOLOGY**

Figure: 3	File name: CuFrog_geo
Date: June 12/09	UTM NAD 83 Zone 9

## DISCUSSION of the EXPLORATION PROGRAM and the RESULTS

### Rock Samples

Rock sampling includes float, sub-crop and bedrock exposures of intrusive, sedimentary and metamorphic rock with varying degrees of silicification and quartz veining. The zones of copper mineralization in the intrusive occurring as massive bornite veins with chalcopyrite are restricted to the original showing area on the cliffs and ridges west of the Frog River.

### Stream sediment sampling

The results of the stream sediment sampling program indicate that the copper mineralization is restricted to the “bornite vein” area. The objective of the program was to locate any areas of widespread alteration and mineralization indicative of a porphyry style copper deposit, the survey did not support that objective.

### Detail prospecting

The detailed prospecting did not locate any significant copper mineralization outside of the “bornite vein” area. Most samples collected were relatively unaltered granodiorite in the intrusive rocks exposed south of the east/west striking fault and the altered sedimentary or volcanic rocks north of the fault (see figure 3 – Regional Geology)

### Mineralization

The mineralization within the “bornite vein” area consists of massive bornite, chalcopyrite and pyrite hosted within the granodiorite and in quartz veins in the granodiorite.

### Bornite Vein Area from 2007 exploration program

Significant results from sampling carried out in 2007 on the “Bornite Vein” area  
(Sample descriptions are in Appendix A, complete analytical results in Appendix C)

Sample number	Sample Type	Cu %	Ag g / t	Au g / t	Sample number	Sample Type	Cu %	Ag g / t	Au g / t
672501	float	<b>24.1</b>	<b>193</b>	0.12	672522	float	<b>53.1</b>	<b>356</b>	0.08
672502	float	<b>16.9</b>	97	0.10	672523	o/c	<b>32.9</b>	<b>318</b>	0.18
672504	float	4.7	38	0.95	672524	o/c	<b>10.3</b>	<b>115</b>	0.70
672505	o/c	8.4	93	<b>14.55</b>	672525	o/c	<b>16.7</b>	<b>175</b>	1.97
672506	o/c	3.9	52	<b>2.93</b>	672526	float	<b>21.5</b>	<b>149</b>	0.42
672507	o/c	14.5	92	<b>3.56</b>	672527	float	5.7	<b>166</b>	0.41
672508	o/c	2.2	22	0.37	672529	o/c	8.9	98	3.00
672509	o/c	<b>16.8</b>	<b>180</b>	<b>6.20</b>	672531	float	1.3	25	0.18
672512	o/c	0.7	2	0.01	672532	o/c	0.5	2	0.28
672513	o/c	0.6	13	1.35	672533	o/c	0.2	10	1.13
672515	o/c	1.5	3	0.10	672535	o/c	2.4	6	0.09
672516	o/c	3.3	7	<b>6.46</b>	672536	o/c	0.9	17	1.31
672521	float	4.5	51	<b>2.94</b>	Samples not included returned no significant results				



## REFERENCES

Minfile Report for Minfile # 094L 014.  
(GSC Map 42-1962; 1712A; 1713A)

Geology based on BCGS data on the Map Place website.  
B.C. Minister of Mines, Energy and Petroleum Resources

EMPR Assessment Report # 16670

Personal communication with L. Warren of Smithers BC.

Unrecorded field work carried out by me on behalf of CJL Enterprises on the Copper Frog Property in 2007

*Note: the AR number recorded in the Minfile record is incorrect – listed as 16770 should be 16670*

## STATEMENT OF COSTS

### COPPER FROG PROPERTY 2008 SEASON

#### FIELD PERSONNEL

Tom Bell	Prospector	9 days	3,600.00
	August 21 to 29 inclusive		
James Combs	Prospector	9 days	3,465.00
	August 21 to 29 inclusive		
Simon Surat	Prospector helper	9 days	2,475.00
	August 21 to 29 inclusive		
Mike Weget	Labourer	9 days	2,475.00
	August 21 to 29 inclusive		

#### CAMP, SUPPLIES, FOOD and ACCOMMODATION

Includes camp, fuel, motel, meals and groceries (includes mob/demob expenses)	1,608.09
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#### EQUIPMENT RENTAL

2,150.70

#### AIRCRAFT SUPPORT

Helicopter charter – Pacific Western (Fish Lake base)	23,829.11
Fixed wing – Alpine Lakes – Smithers base	12,370.00

#### EXPEDITING SERVICES

CJL Enterprises Smithers	2,810.80
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#### LABORATORY ANALYSIS

Analytical services – Acme Labs	1,123.88
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#### REPORT

1,200.00

#### TOTAL COSTS

**\$57,107.58**

*NOTE: No costs associated with the 2007 data is included in this statement of costs  
The 2007 data was not published and is included in this report for reference*

## Certificate of Qualifications

Tom Bell

I, Tom Bell, of PO Box 3785, Smithers, BC, V0J 2N0 hereby certify as follows:

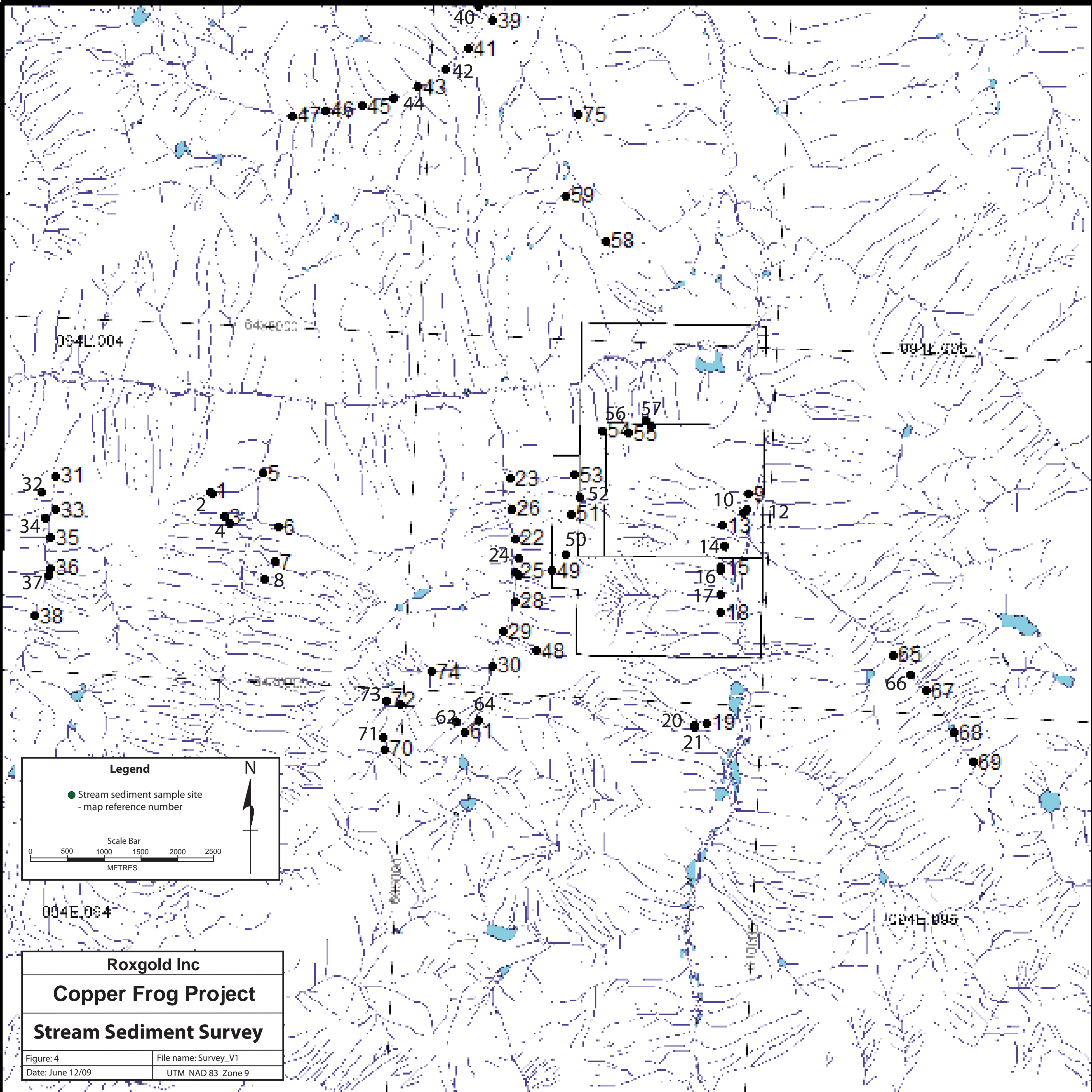
1. I have been directly involved in the mineral exploration industry as a prospector since 1978
2. Between 1978 and 1990 I have taken a variety of prospector's courses and exploration short courses
3. My field experience includes geochemical and geophysical surveying, diamond drilling, prospecting, mapping and crew supervision in British Columbia, Chile, USA, Panama and Indonesia
4. I do not hold any interest in the Copper Frog property
5. This Assessment Report is an accurate account of the exploration program carried out on the Copper Frog project

Dated at Smithers, BC this 12<sup>nd</sup> day of June, 2009

Tom Bell

Tom Bell – Eagle Eye Ventures

**APPENDIX A**  
**SILT SAMPLES Figures 4, 5, 6**



**Legend**

- Stream sediment sample site
- map reference number

Scale Bar

0 500 1000 1500 2000 2500

METRES

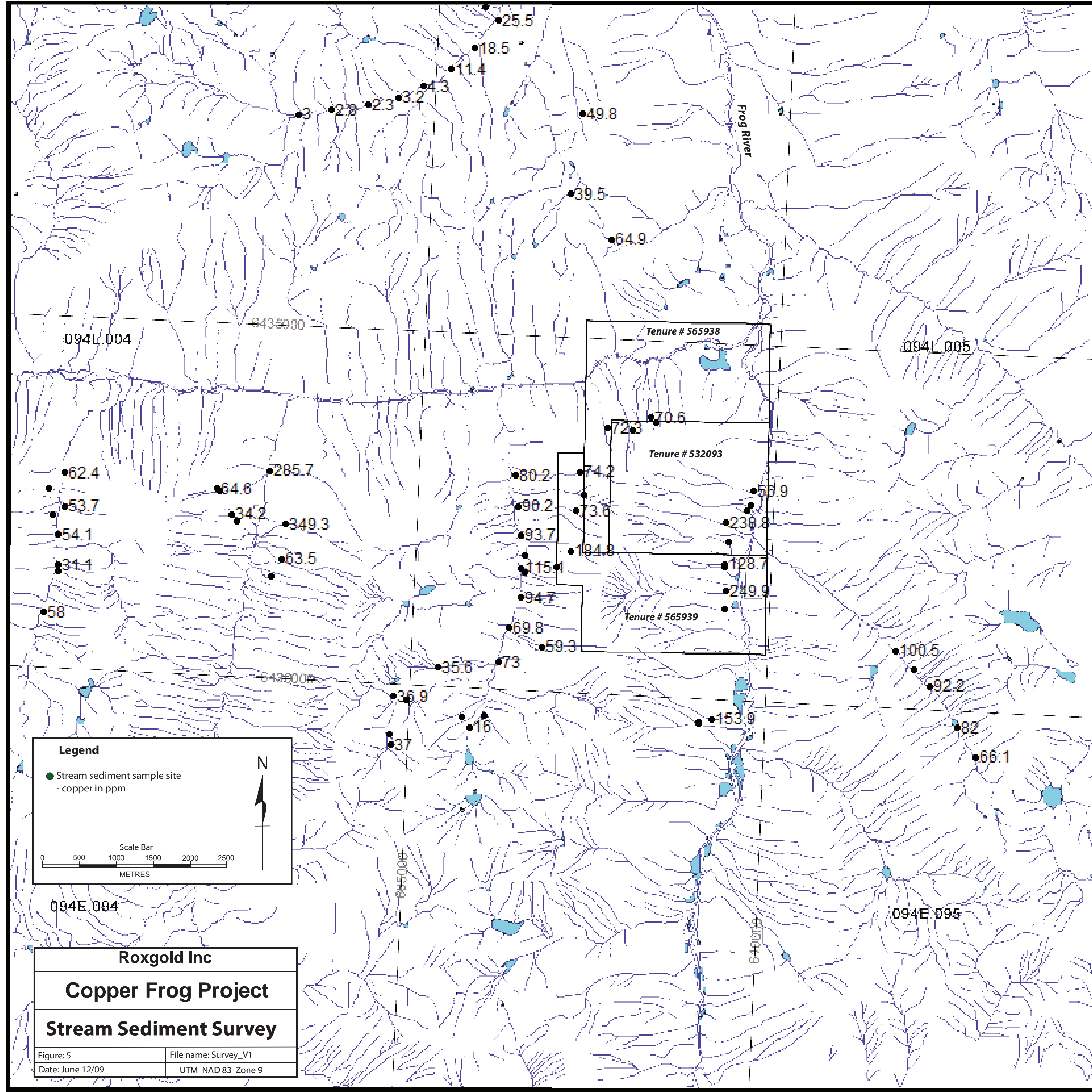
N

**Roxgold Inc**

**Copper Frog Project**

**Stream Sediment Survey**

Figure: 4	File name: Survey_V1
Date: June 12/09	UTM NAD 83 Zone 9



094L 004

094L 005

62.4

285.7

80.2

74.2

55.9

53.7

64.6

34.2

349.3

90.2

73.6

238.8

54.1

63.5

93.7

194.8

128.7

31.1

115.1

249.9

58

94.7

69.8

59.3

643800

35.6

73

100.5

92.2

643900

36.9

16

153.9

82

094E 004

094E 005

645000

646000

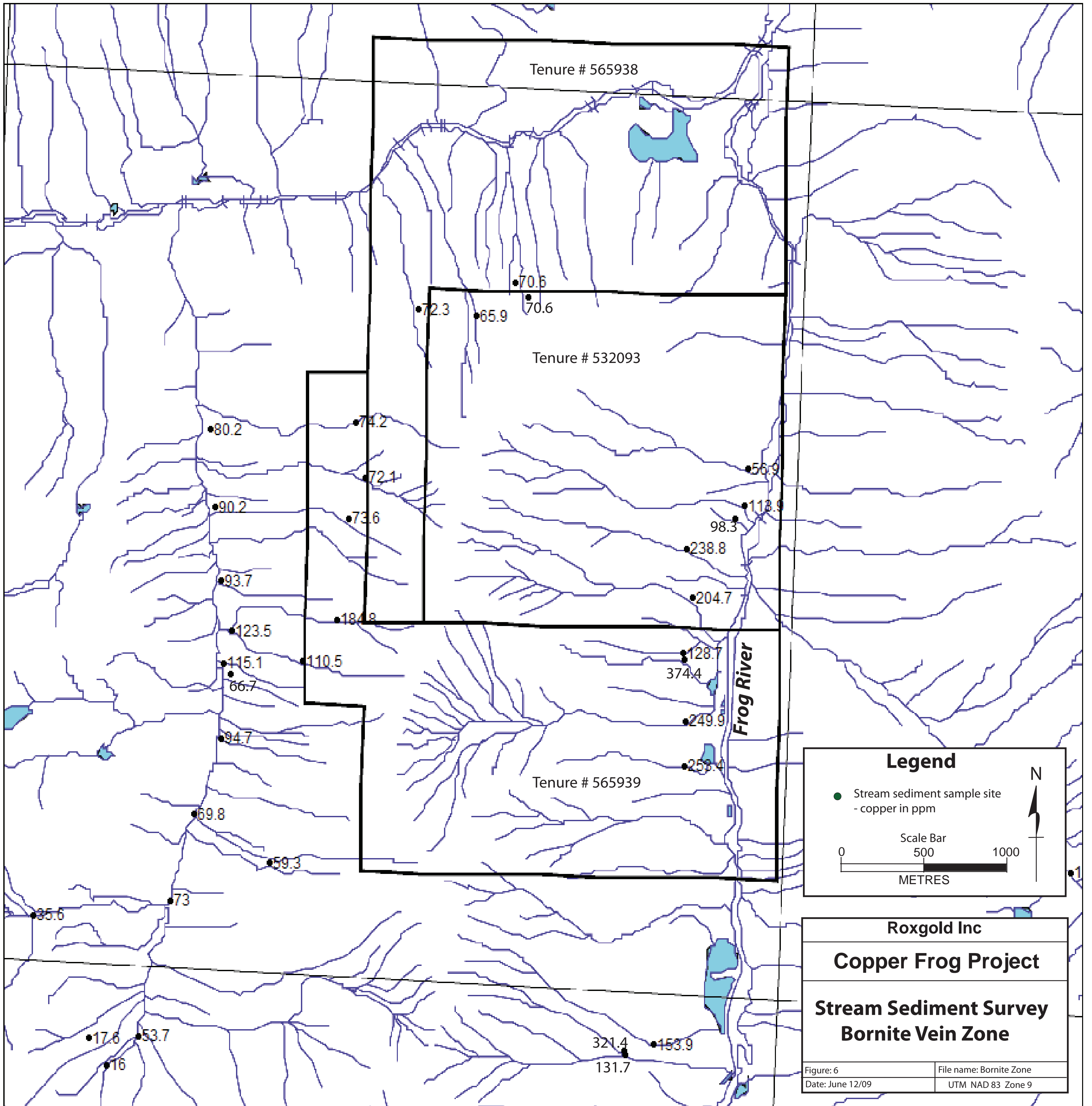
Tenure # 565938

Tenure # 532093

Tenure # 565939

Frog River

N



**Legend**

- Stream sediment sample site - copper in ppm

Scale Bar: 0, 500, 1000 METRES

N

**Roxgold Inc**

**Copper Frog Project**

**Stream Sediment Survey**

**Bornite Vein Zone**

**APPENDIX B  
ROCK SAMPLES**



### Copper Frog Rock Samples collected in 2008

Sample #	Easting	Northing	Sample Type	Host Rock Type	Mineralization	Comments
Sampled by Simon Suratt						
931501	609673	6432136	Float	Granodiorite		
931502	603088	6431693	Float	Granodiorite	Bornite, chalcopyrite, malachite	
931503	602907	6431563	Chip	Granodiorite	Bornite	Qtz veins
931504	602909	6431460	Float	Granodiorite	Bornite, chalcopyrite, malachite	Qtz veins
931505	599902	6432180	Float	Granodiorite	Pyrite, malachite	
931506 nr						
931507	605579	6439559	Grab	Andesite (?)	Pyrite	
Sampled by James Combs						
931551	606998	6430313	Float	Qtz Monzonite (?)	Pyrite	
931552	606887	6430649	Float	Granodiorite	Malachite	Qtz veins
931553	606949	6430608	Float	Granodiorite	Bornite, malachite	Qtz veins
931554	607274	6430668	Float	Granodiorite	Bornite, malachite, chalcopyrite	
931555	607417	6430889	Float	Granodiorite	Pyrite, bornite	Qtz veins
931556	607171	6431421	Float	Granodiorite	Bornite, malachite	Qtz veins
931557	607178	6431986	Float	Granodiorite	Bornite	Qtz veins
931558	607231	6431979	Float	Altered granodiorite(?)	Pyrite, chalcopyrite	very different from anything seen in area
931559	607405	6431989	Float	Granodiorite	Pyrite, bornite, chalcopyrite, malachite	
931560	607543	6432025	Grab	Granodiorite	Bornite, chalcopyrite, malachite	Qtz veins
931561	607539	6432067	Grab	Qtz Monzonite (?)	Bornite, chalcopyrite, malachite	
931562	607105	6433055	Grab	Granodiorite		
931563	607223	6433090	Float	Granodiorite	Bornite, chalcopyrite, malachite	Qtz veins
931564 nr			Float	Granodiorite	Chalcopyrite, malachite	Qtz veins
931565	607287	6433138	Float	Granodiorite	Bornite, chalcopyrite, malachite	Qtz veins
931566	no notes					
931567 nr			Float	Granodiorite	Malachite	
931568	607423	6433724	Float	Granodiorite	Malachite	Qtz veins
931569	607611	6433659	Float	Granodiorite	fresh rock. No alteration	
931570	608017	6433735	Float	Granodiorite	Bornite, chalcopyrite, malachite	Qtz veins
931571	608697	6433618	Float	Granodiorite	Bornite, chalcopyrite, malachite	Qtz veins
931572	608730	6433665	Float	Granodiorite	Bornite, chalcopyrite, malachite	Qtz veins
931573	608681	6433563	Grab	Granodiorite	Bornite, chalcopyrite, malachite	Qtz veins
931574	608673	6433578	Grab	Granodiorite	Bornite, chalcopyrite, malachite	Qtz veins
931575	608505	6433323	Grab	Granodiorite	Pyrite, chalcopyrite	Qtz veins
931576	608752	6433471	Grab	Granodiorite	Bornite, chalcopyrite, malachite	Qtz veins
931577	607556	6435968	Grab	Grey slate	Pyrite	
931578	607465	6436448	Grab	Grey slate	Pyrite	
931579	607084	6437898	Float	Shale	Pyrite, sphalerite, chalcopyrite	Qtz veins

Sampled by Mike Weget

931601	609668	6432937	Chip
931602	609662	6432736	
931603	609579	6432653	Float
931604	609285	6432240	Float
931605	599788	6432531	Float
931606	599825	6432176	Float
931607			

Sampled by Tom Bell

931651	606027	6430270	Float	Granodiorite	pyrite	
931652	607093	6430234	Float	Diorite	pyrite	
931653	607292	6430130	Float	Granodiorite	pyrite, bornite, malachite	
931654	607482	6430131	Grab	Granodiorite	pyrite	
931655	607511	6430110	Float	Granodiorite		
931656	607511	6430110	Grab	Granodiorite	fresh rock. No alteration	
931657	607665	6430042	Chip	Granodiorite	pyrite, chalcopyrite	Qtz vein
931658	607676	6429969	Float	Granodiorite	pyrite	Qtz vein
931659	607777	6429739	Float	Gneiss	pyrite	
931660	607590	6429748	Grab	Granodiorite	fresh rock. No alteration	
931661	607587	6429747	Float	Granodiorite	pyrite, bornite	Qtz veins
931662	607151	6429644	Float	Granodiorite	fresh rock. No alteration	
931663	606970	6429509	Float	Granodiorite	fresh rock. No alteration	Qtz
931664	606590	6429475	Grab	Granodiorite	fresh rock. No alteration	Qtz
931665	606532	6429458	Grab	Granodiorite	fresh rock. No alteration	
931666	606256	6429284	Grab	Granodiorite	fresh rock. No alteration	
931667	606231	6429281	Grab	Granodiorite	fresh rock. No alteration	Qtz
931668	605708	6429614	Grab	Granodiorite	fresh rock. No alteration	
931669	607119	6431721	Float	Granodiorite	pyrite	
931670	607292	6431961	Grab	Granodiorite	fresh rock. No alteration	
931671	607292	6431961	Float	Granodiorite	pyrite, chalcopyrite	Qtz
931672	607425	6432003	Float	Granodiorite	pyrite, chalcopyrite	Qtz
931673	607099	6432605	Grab	Granodiorite	fresh rock. No alteration	
931674	607306	6432761	Float	Granodiorite	fresh rock. No alteration	Qtz
931675	607544	6432686	Float	Granodiorite	fresh rock. No alteration	
931676	612207	6430359	Float	Granodiorite	fresh rock. No alteration	
931677	631677	6429197	Grab	Granodiorite	fresh rock. No alteration	
931678	604743	6429110	Float	Granodiorite	pyrite	Qtz
931679	604489	6429893	Grab	Granodiorite	fresh rock. No alteration	
931680	605044	6430221	Grab	Granodiorite	fresh rock. No alteration	
931681	605381	6430179	Grab	Granodiorite		Qtz
931682	607270	6438748	Grab	Phyllites	magnetite	Disseminated

931683	607257	6438728	Grab	Phyllites		
931684	607411	6438397	Grab	Phyllites	pyrite	Coarse pyrite
931685	607321	6438151	Float	Phyllites	pyrite, chalcopyrite	Qtz
931686	607133	6438123	Grab	Phyllites	pyrrhotite	Structural deformation

Note: samples not analysed due to low response from stream sediment survey

**APPENDIX C**  
**ANALYTICAL DATA – STREAM SEDIMENTS (SILTS)**



ACME ANALYTICAL LABORATORIES LTD.  
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

**Client:** **Roxgold Inc.**  
 880 - 580 Hornby St.  
 Vancouver BC V6C 3B6 Canada

Submitted By: Barry Girling  
 Receiving Lab: Canada-Smithers  
 Received: October 15, 2008  
 Report Date: November 06, 2008  
 Page: 1 of 4

**CERTIFICATE OF ANALYSIS**

**SMI08001048.1**

**CLIENT JOB INFORMATION**

Project: Frog  
 Shipment ID:  
 P.O. Number  
 Number of Samples: 75

**SAMPLE DISPOSAL**

STOR-PLP Store After 90 days Invoice for Storage  
 DISP-RJT-SOIL Immediate Disposal of Soil Reject

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: Roxgold Inc.  
 880 - 580 Hornby St.  
 Vancouver BC V6C 3B6  
 Canada

CC: Alan Raven  
 Robert Pinset

**SAMPLE PREPARATION AND ANALYTICAL PROCEDURES**

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
SS80	75	Dry at 60C sieve 100g to -80 mesh		
Dry at 60C	75	Dry at 60C		
1DX	75	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed

**ADDITIONAL COMMENTS**



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.  
 "\*\*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Roxgold Inc.**  
 880 - 580 Hornby St.  
 Vancouver BC V6C 3B6 Canada

Project: Frog  
 Report Date: November 06, 2008

Page: 2 of 4 Part 1

# CERTIFICATE OF ANALYSIS

SMI08001048.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		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	2	0.01	0.001	
931801	Silt	0.1	64.6	4.0	26	<0.1	2.9	1.3	260	0.53	<0.5	0.8	2.5	0.6	15	<0.1	<0.1	<0.1	10	0.05	0.014
931802	Silt	<0.1	50.8	4.8	22	<0.1	1.4	0.8	334	0.41	<0.5	0.7	2.3	0.7	16	<0.1	<0.1	<0.1	7	0.07	0.013
931803	Silt	0.2	34.2	6.2	18	0.2	2.1	1.0	200	0.50	0.5	1.2	1.2	0.2	46	<0.1	<0.1	<0.1	12	0.15	0.025
931804	Silt	<0.1	32.7	4.4	21	<0.1	1.4	0.7	228	0.33	<0.5	0.6	1.0	0.6	24	<0.1	<0.1	<0.1	6	0.08	0.011
931805	Silt	5.5	285.7	3.2	33	<0.1	8.8	7.9	333	1.95	0.8	4.4	3.4	2.5	27	<0.1	<0.1	<0.1	42	0.23	0.085
931806	Silt	0.3	349.3	5.5	58	0.3	10.4	5.8	461	1.86	1.7	8.2	4.2	2.9	63	<0.1	<0.1	0.2	46	0.50	0.082
931807	Silt	0.4	63.5	4.9	58	<0.1	9.0	5.8	533	1.58	0.9	5.5	2.2	1.8	65	0.1	<0.1	0.1	41	0.51	0.082
931808	Silt	0.7	88.7	5.6	73	0.1	11.6	7.6	693	1.93	1.6	25.8	6.9	3.4	111	<0.1	<0.1	0.1	50	0.63	0.081
931809	Silt	0.5	56.9	3.8	51	<0.1	7.8	5.4	498	1.57	1.2	16.7	3.3	2.5	65	<0.1	<0.1	<0.1	40	0.49	0.105
931810	Silt	0.3	113.0	2.9	71	<0.1	12.4	11.8	914	2.83	0.9	1.7	3.0	1.4	153	<0.1	<0.1	0.2	84	0.81	0.199
931811	Silt	0.2	113.9	2.5	73	<0.1	12.6	11.6	689	2.69	1.0	2.3	3.2	2.0	154	<0.1	<0.1	0.2	80	0.91	0.232
931812	Silt	0.4	98.3	2.4	81	<0.1	12.6	12.0	669	2.87	1.4	8.1	1.8	1.4	162	<0.1	<0.1	<0.1	85	1.02	0.233
931813	Silt	0.2	238.8	2.2	72	0.2	11.7	11.7	622	2.80	1.1	3.7	8.3	2.7	119	<0.1	<0.1	0.3	85	0.98	0.283
931814	Silt	0.1	204.7	2.1	53	0.1	9.2	9.2	488	2.66	1.1	2.1	1.9	2.6	103	<0.1	<0.1	0.8	81	0.97	0.323
931815	Silt	0.6	128.7	2.5	58	0.2	11.2	10.8	494	2.48	2.6	3.3	3.3	1.2	76	<0.1	<0.1	0.2	80	0.69	0.185
931816	Silt	0.3	374.4	2.5	72	0.4	12.3	11.8	689	2.79	2.0	11.0	397.8	1.8	115	<0.1	<0.1	0.3	84	1.08	0.236
931817	Silt	0.4	249.9	2.7	66	0.3	11.3	10.3	536	2.38	1.7	9.3	4.6	2.1	74	<0.1	<0.1	0.2	70	0.80	0.243
931818	Silt	0.8	253.4	2.9	47	0.3	8.7	7.8	442	2.21	2.0	17.5	4.4	1.9	70	<0.1	<0.1	0.1	69	0.80	0.169
931819	Silt	0.4	153.9	2.3	61	0.2	9.9	9.2	551	2.12	1.2	3.6	3.4	2.0	75	<0.1	<0.1	0.1	63	0.71	0.186
931820	Silt	0.3	321.4	2.8	75	0.3	12.7	11.2	642	2.30	1.4	10.0	5.3	2.1	109	<0.1	<0.1	0.3	68	0.71	0.143
931821	Silt	0.2	131.7	2.4	54	0.1	9.1	8.3	482	1.86	0.8	2.2	2.3	1.9	61	<0.1	<0.1	0.2	57	0.63	0.160
931822	Silt	0.5	93.7	2.9	65	<0.1	10.3	9.1	580	2.13	1.5	8.7	1.9	2.5	74	<0.1	<0.1	0.2	62	0.68	0.182
931823	Silt	0.5	80.2	3.3	63	0.1	10.7	9.0	509	2.49	2.1	10.5	2.3	2.6	77	<0.1	<0.1	0.2	74	0.77	0.222
931824	Silt	0.3	123.5	3.5	91	<0.1	16.7	13.9	841	2.88	1.3	2.2	4.2	1.8	67	<0.1	<0.1	0.2	87	0.64	0.146
931825	Silt	0.6	115.1	3.3	75	<0.1	12.2	10.1	609	2.22	1.5	10.6	14.1	1.9	78	<0.1	<0.1	0.2	68	0.63	0.165
931826	Silt	0.6	90.2	3.3	68	0.1	10.6	9.5	605	2.31	2.3	12.2	3.8	2.3	78	<0.1	<0.1	0.2	68	0.73	0.184
931827	Silt	0.4	66.7	2.0	65	<0.1	10.8	10.3	581	2.74	1.3	4.4	3.0	4.7	61	<0.1	<0.1	0.1	84	0.84	0.257
931828	Silt	0.5	94.7	3.3	63	<0.1	10.1	8.9	568	2.28	2.0	11.6	2.4	2.6	82	<0.1	<0.1	0.2	66	0.81	0.242
931829	Silt	0.6	69.8	4.5	71	<0.1	10.0	8.7	693	2.21	2.0	18.9	2.2	2.7	85	<0.1	<0.1	0.2	62	0.67	0.151
931830	Silt	0.5	73.0	4.2	70	<0.1	9.0	8.6	697	2.20	1.8	17.4	2.2	3.3	88	<0.1	<0.1	0.2	61	0.66	0.152



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Client: **Roxgold Inc.**  
 880 - 580 Hornby St.  
 Vancouver BC V6C 3B6 Canada

Project: Frog  
 Report Date: November 06, 2008

Page: 2 of 4 Part 2

CERTIFICATE OF ANALYSIS

SMI08001048.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
931801	Silt	5	4	0.08	28	0.010	<20	0.52	0.006	0.03	<0.1	0.02	0.4	<0.1	<0.05	2	<0.5
931802	Silt	6	2	0.06	34	0.005	<20	0.40	0.006	0.02	<0.1	0.01	0.3	<0.1	<0.05	1	<0.5
931803	Silt	5	5	0.06	38	0.010	<20	0.71	0.006	0.03	<0.1	0.02	0.3	<0.1	<0.05	3	<0.5
931804	Silt	4	2	0.05	32	0.006	<20	0.32	0.005	0.03	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5
931805	Silt	9	15	0.33	62	0.039	<20	0.78	0.009	0.16	0.1	<0.01	1.0	0.1	<0.05	3	<0.5
931806	Silt	28	18	0.55	142	0.046	<20	1.55	0.018	0.27	<0.1	0.03	1.6	0.2	<0.05	5	<0.5
931807	Silt	14	13	0.55	68	0.041	<20	1.08	0.011	0.18	<0.1	0.03	1.0	0.2	<0.05	4	<0.5
931808	Silt	22	15	0.75	96	0.061	<20	1.53	0.019	0.29	<0.1	0.02	1.5	0.3	<0.05	6	0.9
931809	Silt	11	12	0.51	58	0.047	<20	0.98	0.010	0.20	<0.1	0.02	1.0	0.2	<0.05	4	<0.5
931810	Silt	11	22	1.06	152	0.085	<20	1.43	0.016	0.40	<0.1	0.02	1.8	0.3	<0.05	6	<0.5
931811	Silt	12	22	1.12	100	0.086	<20	1.45	0.016	0.44	<0.1	<0.01	1.7	0.3	<0.05	6	<0.5
931812	Silt	12	22	1.10	101	0.086	<20	1.56	0.014	0.37	<0.1	0.02	2.0	0.3	<0.05	7	0.5
931813	Silt	12	22	1.07	77	0.093	<20	1.35	0.014	0.44	<0.1	<0.01	1.8	0.2	<0.05	6	<0.5
931814	Silt	14	23	0.84	59	0.071	<20	1.09	0.012	0.38	<0.1	<0.01	1.4	0.2	<0.05	5	<0.5
931815	Silt	9	21	0.93	65	0.082	<20	1.31	0.016	0.40	<0.1	0.02	1.3	0.3	<0.05	6	<0.5
931816	Silt	14	24	1.09	89	0.092	<20	1.47	0.019	0.46	0.3	0.03	1.7	0.3	<0.05	6	<0.5
931817	Silt	13	21	0.95	70	0.083	<20	1.35	0.015	0.41	0.1	0.02	1.5	0.3	<0.05	6	<0.5
931818	Silt	18	18	0.68	62	0.065	<20	1.14	0.017	0.21	0.5	0.02	1.4	0.2	<0.05	5	<0.5
931819	Silt	11	19	0.79	57	0.073	<20	1.10	0.016	0.29	<0.1	0.01	1.3	0.3	<0.05	5	<0.5
931820	Silt	11	18	1.02	69	0.088	<20	1.36	0.019	0.39	<0.1	0.02	1.5	0.4	<0.05	6	0.8
931821	Silt	10	17	0.75	45	0.071	<20	1.00	0.016	0.32	0.6	<0.01	1.1	0.3	<0.05	4	<0.5
931822	Silt	12	16	0.83	55	0.075	<20	1.30	0.015	0.35	0.3	0.02	1.4	0.3	<0.05	5	<0.5
931823	Silt	14	21	0.79	55	0.070	<20	1.32	0.024	0.32	0.3	0.03	1.5	0.3	<0.05	6	<0.5
931824	Silt	10	25	1.26	103	0.113	<20	1.83	0.017	0.58	0.1	0.03	1.6	0.5	<0.05	8	<0.5
931825	Silt	12	18	0.96	61	0.084	<20	1.45	0.015	0.39	0.2	0.02	1.4	0.3	<0.05	6	<0.5
931826	Silt	13	18	0.88	58	0.073	<20	1.43	0.022	0.35	0.3	0.03	1.4	0.3	<0.05	6	<0.5
931827	Silt	13	23	0.92	52	0.082	<20	1.13	0.016	0.38	0.2	<0.01	1.6	0.3	<0.05	5	<0.5
931828	Silt	16	19	0.76	49	0.069	<20	1.23	0.017	0.33	0.3	0.02	1.4	0.3	<0.05	6	<0.5
931829	Silt	14	16	0.77	54	0.065	<20	1.48	0.024	0.29	0.2	0.03	1.5	0.3	<0.05	6	<0.5
931830	Silt	15	15	0.74	50	0.062	<20	1.43	0.015	0.29	<0.1	0.02	1.5	0.3	<0.05	6	<0.5

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.



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Project: Frog  
 Report Date: November 06, 2008

Page: 3 of 4 Part 1

# CERTIFICATE OF ANALYSIS

SMI08001048.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		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	2	0.01	0.001	
931831	Silt	0.7	62.4	4.1	46	0.1	5.7	3.8	509	1.14	1.3	4.8	4.9	1.3	43	<0.1	<0.1	0.1	23	0.23	0.057
931832	Silt	0.1	71.9	3.1	23	<0.1	4.7	1.4	211	0.47	0.6	1.0	2.1	0.6	24	<0.1	<0.1	<0.1	11	0.08	0.018
931833	Silt	0.8	53.7	3.9	41	<0.1	5.1	4.0	713	1.16	1.2	3.9	5.2	1.2	41	0.1	<0.1	0.1	23	0.24	0.058
931834	Silt	0.2	29.3	3.7	22	<0.1	4.7	1.3	194	0.46	0.7	0.6	1.4	0.5	22	<0.1	<0.1	<0.1	9	0.08	0.020
931835	Silt	0.9	54.1	3.2	42	<0.1	5.5	3.7	375	1.07	1.0	4.1	3.6	1.3	35	<0.1	<0.1	0.1	21	0.21	0.049
931836	Silt	0.8	31.1	3.8	23	<0.1	4.3	2.4	448	0.73	0.6	1.1	2.7	0.3	19	<0.1	<0.1	<0.1	16	0.09	0.033
931837	Silt	0.7	50.5	2.7	36	<0.1	5.0	3.4	314	1.00	0.9	4.6	2.5	1.8	25	<0.1	<0.1	0.1	19	0.18	0.056
931838	Silt	0.8	58.0	2.9	41	<0.1	5.2	3.7	412	1.20	1.1	4.8	77.4	1.4	28	<0.1	<0.1	0.1	21	0.20	0.058
931839	Silt	0.7	25.5	2.1	25	<0.1	15.0	9.0	297	2.28	0.9	4.8	17.1	0.6	39	<0.1	<0.1	<0.1	68	0.55	0.103
931840	Silt	0.2	12.1	1.5	21	<0.1	15.2	7.3	242	4.14	0.7	0.9	<0.5	4.2	21	<0.1	<0.1	<0.1	140	0.46	0.137
931841	Silt	0.6	18.5	2.3	26	<0.1	12.2	8.0	468	2.66	1.2	11.2	<0.5	2.7	43	<0.1	<0.1	<0.1	78	0.54	0.128
931842	Silt	0.8	11.4	1.9	19	<0.1	9.5	5.3	219	2.99	0.8	4.6	<0.5	1.0	46	<0.1	<0.1	<0.1	98	0.47	0.126
931843	Silt	0.3	4.3	1.3	13	<0.1	4.8	3.6	303	1.66	0.7	6.3	<0.5	0.4	36	<0.1	<0.1	<0.1	48	0.38	0.126
931844	Silt	0.2	3.2	1.3	14	<0.1	4.4	2.6	150	1.63	0.8	8.4	<0.5	0.5	40	<0.1	<0.1	<0.1	53	0.41	0.141
931845	Silt	0.3	2.3	1.2	12	<0.1	4.6	2.6	143	5.61	2.7	5.2	<0.5	1.1	33	<0.1	<0.1	<0.1	100	0.39	0.148
931846	Silt	0.2	2.8	1.3	17	<0.1	5.5	2.8	125	1.82	0.6	6.1	<0.5	0.6	43	<0.1	<0.1	<0.1	63	0.43	0.145
931847	Silt	0.2	3.0	1.5	18	<0.1	5.8	3.5	205	2.26	0.9	10.4	<0.5	0.6	48	<0.1	<0.1	<0.1	74	0.43	0.155
931851	Silt	0.3	59.3	2.3	47	<0.1	9.5	7.2	350	1.85	0.9	0.8	30.8	1.4	37	<0.1	<0.1	<0.1	51	0.47	0.180
931852	Silt	0.3	110.5	3.0	76	0.1	15.3	12.4	718	2.86	1.3	1.8	2.6	1.7	63	<0.1	<0.1	0.2	82	0.80	0.246
931853	Silt	0.2	184.8	3.0	89	0.3	15.6	14.2	795	3.21	1.1	2.0	3.1	2.0	87	<0.1	<0.1	0.4	93	0.95	0.266
931854	Silt	0.5	73.6	4.4	101	<0.1	21.5	16.5	978	3.69	1.5	1.5	2.1	1.5	62	<0.1	<0.1	0.1	103	0.57	0.174
931855	Silt	0.2	72.1	3.2	91	<0.1	17.9	14.5	842	3.11	1.5	1.6	2.9	2.6	70	<0.1	<0.1	<0.1	85	0.78	0.228
931856	Silt	0.2	74.2	3.6	97	<0.1	15.8	14.4	947	3.24	0.9	2.0	1.4	2.9	76	0.1	<0.1	0.2	94	0.62	0.190
931857	Silt	0.4	72.3	6.0	101	0.2	17.2	15.5	935	3.64	1.3	2.8	1.2	1.2	108	<0.1	0.1	0.1	101	0.89	0.181
931858	Silt	0.2	65.9	2.6	71	<0.1	12.1	11.7	725	3.13	0.9	2.1	0.7	3.0	117	<0.1	<0.1	0.2	87	0.85	0.266
931859	Silt	0.3	70.6	3.8	90	0.1	15.2	14.1	804	3.30	1.1	3.1	1.3	0.9	134	<0.1	<0.1	0.1	98	0.97	0.192
931860	Silt	0.3	130.5	3.7	85	0.2	16.0	14.2	827	3.76	1.2	2.4	1.4	2.6	115	<0.1	<0.1	0.2	104	1.05	0.278
931861	Silt	1.7	64.9	7.0	65	0.2	37.4	18.9	432	2.67	5.6	2.0	4.3	0.3	45	0.2	<0.1	<0.1	64	0.73	0.080
931862	Silt	1.2	39.5	2.3	74	0.1	26.1	12.1	519	2.07	9.6	0.6	2.4	0.2	31	0.4	0.2	<0.1	49	0.77	0.095
931901	Silt	0.2	85.5	1.9	45	<0.1	7.8	7.3	419	1.69	1.2	2.1	0.6	3.0	92	<0.1	<0.1	0.1	49	0.77	0.257





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**Client:** Roxgold Inc.  
 880 - 580 Hornby St.  
 Vancouver BC V6C 3B6 Canada

**Project:** Frog  
**Report Date:** November 06, 2008

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

# CERTIFICATE OF ANALYSIS

SMI08001048.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
931831	Silt	9	10	0.26	66	0.026	<20	0.77	0.013	0.10	<0.1	0.02	0.9	<0.1	<0.05	3	0.6
931832	Silt	3	5	0.10	43	0.013	<20	0.40	0.006	0.03	<0.1	<0.01	0.4	<0.1	<0.05	1	<0.5
931833	Silt	8	9	0.24	58	0.025	<20	0.67	0.011	0.08	<0.1	0.02	0.8	<0.1	<0.05	3	0.6
931834	Silt	3	6	0.09	54	0.011	<20	0.40	0.005	0.03	<0.1	<0.01	0.3	<0.1	<0.05	1	<0.5
931835	Silt	9	9	0.28	48	0.026	<20	0.68	0.011	0.08	<0.1	<0.01	0.8	<0.1	<0.05	3	<0.5
931836	Silt	8	7	0.13	34	0.012	<20	0.56	0.006	0.04	<0.1	<0.01	0.4	<0.1	<0.05	2	<0.5
931837	Silt	9	8	0.24	37	0.025	<20	0.58	0.010	0.08	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5
931838	Silt	9	9	0.28	40	0.028	<20	0.64	0.011	0.09	<0.1	<0.01	0.8	<0.1	<0.05	2	<0.5
931839	Silt	6	38	0.41	35	0.032	<20	0.75	0.014	0.06	0.1	0.01	1.4	<0.1	<0.05	3	<0.5
931840	Silt	8	75	0.31	22	0.027	<20	0.38	0.012	0.05	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5
931841	Silt	9	36	0.31	42	0.022	<20	0.74	0.013	0.06	<0.1	0.02	1.1	<0.1	0.05	3	1.1
931842	Silt	7	42	0.27	28	0.026	<20	0.67	0.013	0.03	<0.1	0.01	1.1	<0.1	<0.05	3	<0.5
931843	Silt	8	20	0.12	28	0.013	<20	0.49	0.009	0.02	<0.1	0.01	0.6	<0.1	<0.05	2	<0.5
931844	Silt	12	19	0.13	27	0.013	<20	0.51	0.009	0.03	<0.1	0.01	0.6	<0.1	<0.05	2	<0.5
931845	Silt	10	26	0.10	24	0.014	<20	0.42	0.008	0.02	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5
931846	Silt	8	26	0.14	26	0.016	<20	0.50	0.010	0.02	<0.1	0.01	0.6	<0.1	<0.05	2	<0.5
931847	Silt	8	28	0.15	30	0.016	<20	0.55	0.011	0.03	<0.1	0.01	0.6	<0.1	<0.05	3	<0.5
931851	Silt	10	16	0.59	44	0.066	<20	1.05	0.012	0.26	0.1	<0.01	1.0	0.2	<0.05	4	<0.5
931852	Silt	12	26	1.10	89	0.099	<20	1.55	0.018	0.53	0.3	0.01	1.4	0.4	<0.05	6	<0.5
931853	Silt	13	26	1.35	94	0.112	<20	1.71	0.019	0.57	0.6	<0.01	1.7	0.4	<0.05	7	<0.5
931854	Silt	13	29	1.48	115	0.121	<20	2.40	0.016	0.53	0.1	0.05	1.8	0.5	<0.05	10	<0.5
931855	Silt	12	25	1.33	112	0.113	<20	1.98	0.013	0.61	0.1	0.01	1.9	0.4	<0.05	8	<0.5
931856	Silt	11	25	1.32	111	0.104	<20	1.83	0.018	0.55	<0.1	0.07	1.7	0.4	<0.05	8	<0.5
931857	Silt	15	25	1.43	151	0.096	<20	2.04	0.020	0.30	0.1	0.03	2.1	0.3	<0.05	9	<0.5
931858	Silt	14	25	1.06	80	0.080	<20	1.27	0.015	0.32	<0.1	<0.01	2.0	0.2	<0.05	6	<0.5
931859	Silt	12	24	1.23	84	0.083	<20	1.85	0.015	0.27	<0.1	0.02	1.6	0.2	<0.05	8	<0.5
931860	Silt	15	32	1.27	81	0.097	<20	1.62	0.021	0.42	<0.1	0.02	1.8	0.3	<0.05	7	<0.5
931861	Silt	4	54	0.99	86	0.063	<20	1.48	0.013	0.10	<0.1	0.02	1.8	0.1	<0.05	4	0.9
931862	Silt	4	42	0.78	62	0.049	<20	1.31	0.013	0.06	0.1	0.03	1.3	<0.1	0.07	3	2.3
931901	Silt	14	14	0.62	57	0.051	<20	0.86	0.013	0.23	<0.1	<0.01	1.3	0.2	<0.05	4	<0.5



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 880 - 580 Hornby St.  
 Vancouver BC V6C 3B6 Canada

**Project:** Frog  
**Report Date:** November 06, 2008

**Page:** 4 of 4 **Part** 1

**CERTIFICATE OF ANALYSIS**

**SMI08001048.1**

	Method	1DX																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Analyte	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.001
931951	Silt	0.2	16.0	3.2	41	<0.1	6.9	5.6	403	2.49	1.0	11.3	1.1	23.9	61	<0.1	<0.1	<0.1	66	0.67	0.214
931952	Silt	<0.1	17.6	3.5	50	<0.1	8.7	6.9	598	1.77	0.9	4.1	0.5	11.5	124	<0.1	<0.1	<0.1	42	0.99	0.153
931953	Silt	<0.1	12.4	4.5	56	<0.1	7.9	7.0	588	1.79	0.9	3.9	0.6	8.5	141	<0.1	<0.1	<0.1	46	0.95	0.162
931954	Silt	0.4	53.7	5.3	77	<0.1	13.4	8.5	765	2.02	1.6	35.9	1.7	9.9	104	<0.1	<0.1	0.1	50	0.70	0.122
931955	Silt	0.5	100.5	2.8	76	0.1	13.6	13.1	815	3.04	1.1	2.6	1.4	1.2	94	<0.1	<0.1	0.1	88	0.81	0.229
931956	Silt	2.7	64.6	3.1	68	0.3	13.6	11.9	750	2.66	1.5	14.8	1.3	0.9	130	0.1	<0.1	0.2	90	0.90	0.191
931957	Silt	1.0	92.2	3.2	92	0.2	16.1	16.7	1309	3.88	2.0	3.5	1.9	1.1	164	0.1	<0.1	0.2	110	0.92	0.247
931958	Silt	1.6	82.0	3.4	76	0.1	14.4	12.2	605	3.30	2.3	3.3	1.3	0.9	94	<0.1	<0.1	0.2	105	0.72	0.191
931959	Silt	1.2	66.1	3.8	69	0.1	13.2	11.2	738	3.28	2.2	3.9	1.1	0.9	66	<0.1	<0.1	0.2	99	0.72	0.226
931960	Silt	0.1	37.0	4.5	59	<0.1	7.1	6.4	724	1.37	0.8	6.4	3.7	3.2	101	<0.1	<0.1	0.1	31	0.52	0.085
931961	Silt	0.4	46.8	6.8	83	<0.1	14.5	9.1	914	2.04	1.5	8.9	4.1	1.9	90	0.2	<0.1	0.1	43	0.46	0.099
931962	Silt	0.5	36.9	7.3	72	<0.1	11.2	6.7	550	2.14	1.9	14.5	3.5	0.3	109	<0.1	0.1	0.2	49	0.42	0.127
931963	Silt	0.7	34.5	6.8	70	<0.1	11.5	8.2	801	2.08	2.1	13.9	2.7	0.9	82	0.1	<0.1	0.1	49	0.52	0.118
931964	Silt	0.8	35.6	6.1	78	<0.1	12.2	9.2	693	2.22	2.0	20.2	3.7	1.5	83	0.1	<0.1	0.1	58	0.48	0.127
931965	Silt	10.9	49.8	11.7	174	0.4	43.7	16.5	1140	3.19	3.1	1.8	8.0	0.4	26	1.5	0.1	0.2	65	0.45	0.094



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Frog

Report Date:

November 06, 2008

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Part 2

## CERTIFICATE OF ANALYSIS

SMI08001048.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
931951	Silt	17	20	0.42	21	0.037	<20	0.71	0.013	0.17	<0.1	<0.01	1.1	0.1	<0.05	4	<0.5
931952	Silt	13	16	0.57	35	0.025	<20	1.38	0.013	0.32	<0.1	<0.01	1.5	0.3	<0.05	5	<0.5
931953	Silt	14	13	0.67	32	0.036	<20	1.52	0.011	0.27	<0.1	<0.01	1.4	0.2	<0.05	6	<0.5
931954	Silt	21	20	0.80	62	0.051	<20	1.51	0.027	0.38	<0.1	0.01	1.8	0.4	<0.05	6	<0.5
931955	Silt	12	22	1.14	108	0.094	<20	1.76	0.013	0.41	<0.1	0.01	1.7	0.2	<0.05	8	<0.5
931956	Silt	18	23	0.99	112	0.080	<20	1.73	0.014	0.35	0.2	0.03	1.9	0.3	<0.05	8	<0.5
931957	Silt	13	25	1.33	190	0.100	<20	2.02	0.013	0.48	0.1	0.04	2.0	0.3	<0.05	8	<0.5
931958	Silt	12	26	1.03	98	0.091	<20	1.72	0.019	0.32	0.1	0.03	1.6	0.2	<0.05	8	<0.5
931959	Silt	13	27	0.90	86	0.085	<20	1.66	0.012	0.23	0.1	0.02	1.4	0.2	<0.05	7	<0.5
931960	Silt	10	9	0.65	38	0.035	<20	1.25	0.007	0.32	0.1	0.01	1.4	0.3	<0.05	4	<0.5
931961	Silt	14	16	0.76	67	0.054	<20	1.93	0.015	0.27	<0.1	0.03	1.6	0.3	<0.05	6	0.5
931962	Silt	19	15	0.60	76	0.042	<20	1.93	0.016	0.12	<0.1	0.04	0.9	0.2	0.07	8	0.8
931963	Silt	12	15	0.62	56	0.046	<20	1.77	0.013	0.17	0.2	0.03	1.1	0.2	<0.05	7	0.6
931964	Silt	14	16	0.74	61	0.063	<20	1.88	0.012	0.20	0.1	0.02	1.3	0.2	<0.05	7	<0.5
931965	Silt	12	39	0.67	93	0.108	<20	2.09	0.013	0.12	0.1	0.04	2.1	0.2	<0.05	8	6.2

QUALITY CONTROL REPORT

SMI08001048.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	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	0.001	
Pulp Duplicates																					
931841	Silt	0.6	18.5	2.3	26	<0.1	12.2	8.0	468	2.66	1.2	11.2	<0.5	2.7	43	<0.1	<0.1	<0.1	78	0.54	0.128
REP 931841	QC	0.6	18.3	2.3	26	<0.1	13.0	8.4	514	2.76	1.4	11.1	<0.5	1.0	46	0.1	<0.1	<0.1	79	0.56	0.121
Reference Materials																					
STD DS7	Standard	19.3	92.9	55.8	379	0.9	53.7	9.3	585	2.25	51.2	4.4	52.0	3.7	61	5.7	4.6	4.0	79	0.88	0.075
STD DS7	Standard	19.8	89.4	56.1	379	0.9	54.7	9.3	592	2.30	49.1	4.0	252.1	3.5	61	5.8	4.8	4.1	85	0.90	0.078
STD DS7	Standard	20.4	105.1	64.3	389	0.9	52.7	8.9	604	2.31	51.4	4.1	57.7	4.0	64	5.9	4.7	4.1	84	0.91	0.073
STD DS7	Standard	19.8	97.7	60.5	397	0.8	55.6	9.7	628	2.37	54.4	4.3	54.6	4.1	66	6.4	4.8	4.2	87	0.95	0.080
STD DS7	Standard	22.7	97.8	60.0	399	0.8	57.0	10.2	631	2.46	47.8	4.2	57.9	3.7	70	5.9	5.1	4.1	86	0.93	0.082
STD DS7	Standard	22.4	104.9	61.8	422	0.9	57.6	10.0	637	2.50	47.8	4.2	54.1	3.6	62	6.4	5.4	4.2	82	0.93	0.085
STD DS7 Expected		20.9	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	5.9	4.5	86	0.93	0.08
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	<0.001
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	<0.001
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	<0.001

QUALITY CONTROL REPORT

SMI08001048.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
Pulp Duplicates																	
931841	Silt	9	36	0.31	42	0.022	<20	0.74	0.013	0.06	<0.1	0.02	1.1	<0.1	0.05	3	1.1
REP 931841	QC	9	38	0.32	45	0.026	<20	0.77	0.014	0.06	<0.1	0.02	1.2	<0.1	<0.05	3	1.2
Reference Materials																	
STD DS7	Standard	11	163	0.96	380	0.099	37	0.93	0.081	0.42	4.0	0.20	1.9	4.1	0.18	4	3.7
STD DS7	Standard	11	166	0.98	384	0.099	41	0.94	0.086	0.42	3.7	0.18	2.0	4.1	0.19	5	3.0
STD DS7	Standard	11	174	0.96	387	0.103	36	0.95	0.087	0.42	3.5	0.20	2.1	4.3	0.18	5	3.7
STD DS7	Standard	12	175	1.05	421	0.105	38	1.00	0.090	0.45	3.4	0.21	2.2	4.4	0.20	5	3.6
STD DS7	Standard	12	194	1.07	455	0.102	30	1.02	0.090	0.46	4.3	0.20	2.3	4.5	0.16	5	4.1
STD DS7	Standard	11	188	1.07	479	0.100	28	1.00	0.087	0.45	3.8	0.22	2.2	4.4	0.16	5	4.1
STD DS7 Expected		13	163	1.05	370	0.124	39	0.959	0.073	0.44	3.8	0.2	2.5	4.2	0.21	5	3.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5

**APPENDIX D**  
**TOM BELL SAMPLES BORNITE VEIN AREA – 2007**

**Copper Frog**

**Samples taken by Tom Bell in 2007**

Sample #	Acme Tag#	Cu %	Ag g/mt	Au g/mt	Width cm	O/C	Attitude	Easting	Northing	Comments
TB-1	672501	24.06	193	0.12		float		608922	6432178	gnd boulder
TB-2	672502	16.94	97	0.1		float		608902	6432178	gnd boulder
TB-3	672503	0.07 <2		0.01		float		608880	6432167	
TB-4	672504	4.68	38	0.95	25	o/c	125/60sw	608804	6432157	qtz vein in gnd
TB-5	672505	8.40	93	14.55	50	o/c	125/60sw	608816	6432121	qtz vein in gnd
TB-6	672506	3.93	52	2.93	50	o/c	125/60sw	608818	6432131	qtz vein in gnd
TB-7	672507	14.50	92	3.56	25-30	o/c		608797	6432157	qtz vein in gnd
TB-8	672508	2.20	22	0.37	25	o/c	flat	608575	6432232	qtz vein in gnd
TB-9	672509	16.78	180	6.2	25	o/c	065/90			qtz vein in gnd
TB-10	672510	0.03 <2		0.01	30	o/c	095/65sw	609232	6432505	qtz vein in gnd
TB-11	672511	0.07 <2		0.01	20	o/c	060/?nw	609232	6432505	qtz vein in gnd
TB-12	672512	0.67	2	0.01	25	o/c	140/50sw	609200	6432486	qtz-carb vein in shear zone
TB-13	672513	0.62	13	1.35	30	o/c	160/30sw	609135	6432489	qtz vein in gnd
TB-14	672514	0.71 <2		0.01	1.5 m	o/c		609135	6432489	clay altered footwall gnd
TB-15	672515	1.53	3	0.1	1.5 m	o/c		609140	6432489	footwall of vein, shattered gnd
TB-16	672516	3.35	7	6.46	25	o/c	120/45sw	609150	6432518	qtz vein in fault zone
TB-17	672517	0.38	10	0.4		high grade grab	150/45sw	609120	6432501	qtz vein in fault zone
TB-18	672518	0.03 <2		0.01	1.0 m	o/c	130/35sw	608907	6432667	few 5 cm qtz veins in 5 m wide fault zone
TB-19	672519	0.10 <2	<.01			o/c	010/90	608858	6432692	qtz veins in fault zone
TB-20	672520	0.15 <2	<.01			float		608836	6432698	
TB-21	672521	4.47	51	2.94		float		609388	6432040	
TB-22	672522	53.13	356	0.08		float		608845	6432234	subcrop? in talus, cliff above
TB-23	672523	32.86	318	0.18	50	o/c (?)	flat	608823	6432238	talus (?)
TB-24	672524	10.34	115	0.7	25	o/c		608803	6432286	qtz vein in cliff face
TB-25	672525	16.70	175	1.97	30	o/c		608796	6432315	
TB-26	672526	21.50	149	0.42		float		608874	6432220	below vein in cliff
TB-27	672527	5.67	166	0.41		float		609292	6432060	float in lower camp creek
TB-28	672528	0.12 <2	<.01		15	o/c	140/60sw	609194	6432058	
TB-29	672529	8.90	98	3	10	o/c	160/30sw	609244	6432069	qtz vein
TB-30	672530	0.14 <2		0.09	5	o/c	165/90	609268	6432066	qtz vein
TB-31	672531	1.32	25	0.18		float				no GPS reading
TB-32	672532	0.46	2	0.28	50	o/c	130/50sw	609053	6432790	qtz veins in fault zone
TB-33	672533	0.23	10	1.13	1.3 m	o/c	115/50sw	609050	6432792	large qtz vein >1.5 m
TB-34	672534	0.01 <2	<.01			float		608803	6432874	
TB-35	672535	2.40	6	0.09	5	o/c	190/90	609059	6432788	qtz vein cross cutting fault
TB-36	672536	0.91	17	1.31	15	o/c	130/50			qtz vein

25 m upslope from 501

below 504

5 m below 505

50 m up from 506

flat lying vein

5 m above 508

vein intersecting vein 510

25 m below 515

above 513

up 50 m from 518

lower camp creek

same vein as 524 about 50 to 75 m north of 524

camp creek

no GPS reading

further up creek fro 531

25 along strike to east from 532

TB-37	672537	0.30	8	0.05	float			no GPS reading
TB-38	672538	0.15 <2	<.01		float	609130	6430773	100 m up from 537



**APPENDIX E**  
**ANALYTICAL DATA – 2007 ROCK SAMPLES**

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604) 271-8888  
 To CJL Enterprises Ltd.

Acme file # A718213R Page 1 Received: SEP 24 2007 \* 40 samples in this disk file.

Analysis: GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANA

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
SAMPLES	%	%	%	%	gm/mt	%	%	%	
672501	0.001	24.06	0.01	<.01		193	<.001	<.001	0.01
672502	<.001	16.94	0.01	<.01		97	<.001	<.001	<.01
672503	<.001	0.069	0.01		0.01	<2	0.003	0.003	0.11
672504	<.001	4.682	<.01	<.01		38	<.001	<.001	0.01
672505	<.001	8.4	<.01	<.01		93	<.001	<.001	<.01
672506	<.001	3.925	<.01	<.01		52	<.001	<.001	<.01
672507	<.001	14.5	0.01	<.01		92	<.001	<.001	0.01
672508	<.001	2.198	<.01	<.01		22	<.001	<.001	0.03
672509	<.001	16.78	0.01	<.01		180	<.001	<.001	0.01
672510	<.001	0.025	<.01	<.01	<2		<.001	0.001	0.06
672511	<.001	0.069	<.01	<.01	<2		<.001	<.001	0.02
672512	<.001	0.667	<.01	<.01		2	<.001	<.001	0.03
672513	<.001	0.617	<.01	<.01		13	<.001	<.001	0.03
672514	<.001	0.709	<.01	<.01	<2		0.001	0.001	0.09
672515	0.001	1.529	0.01	<.01		3	0.001	0.001	0.09
672516	<.001	3.349	<.01	<.01		7	<.001	<.001	0.03
672517	<.001	0.378	<.01	<.01		10	0.001	<.001	0.07
672518	<.001	0.027	<.01	<.01	<2		<.001	<.001	0.09
672519	<.001	0.096	<.01	<.01	<2		<.001	<.001	0.05
672520	<.001	0.148	<.01	<.01	<2		0.001	<.001	0.13
672521	<.001	4.473	<.01	<.01		51	<.001	<.001	0.02
672522	0.001	53.13	0.03	<.01		356	<.001	<.001	0.01
672523	0.001	32.86	0.02	<.01		318	0.001	0.001	0.03
672524	<.001	10.34	<.01	<.01		115	0.001	<.001	0.01
672525	<.001	16.7	<.01	<.01		175	<.001	<.001	0.08
672526	0.001	21.5	<.01	<.01		149	<.001	<.001	0.02
672527	<.001	5.673	<.01	<.01		166	<.001	<.001	<.01
672528	<.001	0.123	<.01	<.01	<2		0.001	<.001	0.03
672529	<.001	8.899	<.01	<.01		98	<.001	<.001	0.01
672530	<.001	0.143	<.01	<.01	<2		<.001	<.001	0.05
672531	<.001	1.318	<.01	<.01		25	<.001	<.001	0.01
672532	<.001	0.458	<.01	<.01		2	<.001	0.001	0.08
672533	<.001	0.228	<.01	<.01		10	<.001	<.001	<.01
RE 672533	<.001	0.23	<.01	<.01		10	<.001	<.001	<.01
672534	<.001	0.007	<.01	<.01	<2		0.001	0.001	0.1
672535	<.001	2.399	<.01	<.01		6	<.001	<.001	0.04
672536	<.001	0.909	<.01	<.01		17	0.001	<.001	0.01
STANDARD	0.08	0.819	1.99	4.12		201	0.53	0.06	0.07
672537	0.001	0.295	<.01	<.01		8	<.001	<.001	<.01
672538	<.001	0.152	<.01	<.01	<2		<.001	<.001	0.02
STANDARD	0.081	0.827	2.1	4.38		218	0.53	0.068	0.07

LYSED BY ICP-ES.

Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	
%	%	%	%	%	%	%	%	%	
4.21	<.01	<.001	0.001	<.001		0.01	0.03	0.009	0.001
3.13	<.01	<.001	<.001	<.001		0.01	0.01	0.006	0.001
52.48	<.01	<.001	0.002	<.001	<.01		0.06	0.008	<.001
4.13	<.01	<.001	<.001	<.001		0.03	<.01	0.003	0.002
3.65	<.01	0.001	<.001	<.001		0.04	0.03	0.018	0.001
2.03	<.01	0.002	<.001	<.001		0.01	0.01	0.006	0.001
2.28	<.01	0.001	<.001	<.001		0.04	0.06	0.027	0.001
1.03	<.01	0.002	<.001	<.001	<.01		0.33	0.031	0.001
3.14	<.01	0.001	<.001	<.001		0.07	0.04	0.011	0.001
1.88	<.01	0.005	<.001	<.001	<.01		2.5	0.122	0.001
1.02	<.01	0.007	<.001	<.001	<.01		0.26	0.028	0.001
1.49	<.01	0.003	<.001	<.001	<.01		0.57	0.022	0.001
1.3	0.01	0.004	<.001	<.001	<.01		0.69	0.005	0.002
3.03	<.01	0.015	<.001	<.001	<.01		2.62	0.116	0.001
3.65	0.01	0.011	<.001	<.001	<.01		3.18	0.111	0.001
2.43	<.01	0.003	<.001	<.001	<.01		0.68	0.078	0.001
2.59	<.01	0.008	<.001	<.001	<.01		1.75	0.101	0.001
1.86	<.01	0.011	<.001	<.001	<.01		2.84	0.088	0.001
0.89	<.01	0.005	<.001	<.001	<.01		1.18	0.037	0.001
1.98	<.01	0.004	<.001	<.001	<.01		3.19	0.086	0.001
1.49	<.01	0.003	<.001	<.001		0.01	0.25	0.055	0.001
10.03	<.01	<.001	0.001	<.001		0.03	0.05	0.008	0.001
18.49	<.01	0.001	0.002	<.001		0.02	0.1	0.006	<.001
2.3	<.01	0.002	<.001	<.001		0.01	0.18	0.069	0.001
3.61	<.01	0.002	<.001	<.001		0.04	0.88	0.003	0.001
12.21	<.01	0.002	<.001	<.001		0.01	0.06	<.001	0.001
1.17	<.01	0.005	<.001	<.001		0.04	0.05	0.024	0.001
1.49	<.01	0.005	<.001	<.001	<.01		0.49	0.059	0.002
3.57	<.01	0.002	<.001	<.001		0.01	0.16	0.029	0.001
0.7	<.01	0.008	<.001	<.001	<.01		1.01	0.007	0.001
1.1	<.01	0.006	<.001	<.001	<.01		0.14	0.001	0.001
1.99	<.01	0.003	<.001	<.001	<.01		0.62	0.106	0.001
2.46	<.01	0.003	<.001	<.001	<.01		0.1	0.043	0.001
2.55	<.01	0.003	<.001	<.001	<.01		0.1	0.046	0.001
2.28	<.01	0.007	<.001	<.001	<.01		3.12	0.115	0.001
3	<.01	0.004	<.001	<.001	<.01		0.9	0.041	0.001
3	<.01	0.002	<.001	<.001		0.01	0.14	0.062	0.001
30.91	0.04	0.003	0.025	0.035	<.01		1.33	0.05	0.011
0.98	<.01	<.001	<.001	<.001	<.01		0.01	0.002	0.001
0.71	<.01	0.004	<.001	<.001	<.01		0.53	0.025	0.001
33.31	0.04	0.004	0.028	0.038	<.01		1.47	0.051	0.014

ELEMENT	Mg	Al	Na	K	W	Hg
SAMPLES	%	%	%	%	%	%
672501		0.07	0.18	0.01	0.08	0.03 <.001
672502	<.01		0.08	0.01	0.03	0.02 <.001
672503		0.44	0.62	0.01	0.47 <.001	<.001
672504		0.02	0.04 <.01		0.03	0.005 <.001
672505		0.04	0.16	0.01	0.07	0.01 <.001
672506		0.03	0.14	0.01	0.06	0.005 <.001
672507		0.04	0.37	0.04	0.16	0.017 <.001
672508		0.07	0.32	0.07	0.11	0.003 <.001
672509		0.07	0.19	0.02	0.14	0.019 <.001
672510		0.21	0.69	0.04	0.25 <.001	<.001
672511		0.21	0.44	0.04	0.19 <.001	<.001
672512		0.18	0.34	0.04	0.12	0.001 <.001
672513		0.03	0.1 <.01		0.05	0.001 <.001
672514		0.7	1.05	0.04	0.21	0.001 <.001
672515		0.54	0.49	0.03	0.21	0.002 <.001
672516		0.1	0.39	0.04	0.18	0.004 0.001
672517		0.68	0.99	0.04	0.22	0.001 <.001
672518		0.15	0.36	0.04	0.21 <.001	<.001
672519		0.21	0.35	0.02	0.14 <.001	<.001
672520		0.16	0.5	0.02	0.22 <.001	<.001
672521		0.08	0.58	0.05	0.17	0.006 <.001
672522		0.25	0.3	0.01	0.22	0.063 <.001
672523		0.08	0.43	0.01	0.13	0.038 <.001
672524		0.23	0.76	0.03	0.19	0.013 <.001
672525		0.1	0.69	0.02	0.08	0.02 <.001
672526		0.05	0.58	0.01	0.06	0.025 <.001
672527	<.01		0.16	0.01	0.1	0.007 <.001
672528		0.39	0.59	0.08	0.38 <.001	<.001
672529		0.17	0.34	0.04	0.16	0.011 <.001
672530		0.13	0.2	0.02	0.15	0.001 <.001
672531		0.01	0.15 <.01		0.04	0.001 <.001
672532		0.06	0.58	0.03	0.24	0.001 <.001
672533		0.05	0.44	0.02	0.16 <.001	<.001
RE 672533		0.05	0.46	0.02	0.17	0.001 <.001
672534		0.44	0.37	0.04	0.26 <.001	<.001
672535		0.14	0.32	0.02	0.13	0.003 <.001
672536		0.23	0.43	0.03	0.14	0.002 <.001
STANDARD		1.1	0.04	0.43 <.001		0.002
672537		0.02 <.01		0.02	0.001 <.001	
672538		0.3	0.02	0.21 <.001	<.001	
STANDARD		1.18	0.04	0.47	0.006	0.002

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604) 271-8888  
 To CJL Enterprises Ltd.

Acme file # A718213 Page 1 Received: AUG 20 2007 \* 42 samples in this disk file.

Analysis: GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR C

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
G1	0.4	7.5	28.5	49	<.1		3.4	3.8	514
672501	0.5	>10000	92.6	35	>100		1.2	2.9	74
672502	0.5	>10000	67.3	7	95.7		0.6	0.6	13
672503	0.6	642.9	8.3	96	0.6		18.2	38	799
672504	0.8	>10000	23	14	38.1		1.9	2.8	54
672505	0.4	>10000	33.4	17	94.8		1.8	3	41
672506	0.6	>10000	20.3	9	52.2		1.2	1.4	35
672507	0.5	>10000	41.4	29	92.6		1.2	3.6	64
672508	1.2	>10000	19.1	14	21.5		2.3	2.2	282
672509	0.6	>10000	60	30	>100		2.6	3	90
672510	0.2	231.8	4.4	39	0.3		5.1	6.5	519
672511	0.4	675.6	5	19	0.8		2.8	2.8	182
672512	0.4	6482.8	26.4	12	2.3		1.8	1.9	307
672513	2.1	6299.2	9.2	10	13.4		2.1	1.3	281
672514	1.9	6774.5	9.5	58	1.8		8.9	9	879
672515	7.3	>10000	57.1	74	3.4		5.9	8.6	955
672516	3.4	>10000	7.8	8	8.7		1.4	1.9	299
672517	1.5	3714.6	4.7	41	10.3		5.9	6	729
672518	0.9	263.8	4.9	15	<.1		2.1	3.8	833
672519	1.4	513.7	2.3	17	0.3		2.9	2.4	467
672520	0.4	1566.4	5	23	1.1		3.3	4.8	1439
RE 672520	0.5	1527	4.9	23	1		3.3	5	1390
672521	0.5	>10000	20.5	23	49.5		2.5	3.1	189
672522	0.3	>10000	203.5	104	>100		3	4.8	152
672523	0.8	>10000	155.6	80	>100		6.8	10.3	280
672524	1	>10000	12.2	19	>100		3.9	3.5	153
672525	3	>10000	17.1	6	>100		1.3	2.4	825
672526	0.9	>10000	27.9	23	>100		0.8	5.8	239
672527	1.8	>10000	62.1	2	>100		1.1	0.3	30
672528	0.6	1123	3.4	26	0.9		4.2	4.2	277
672529	1.7	>10000	46.5	18	97		2.6	2.7	135
672530	1.6	1304.7	3.1	10	1.2		1.4	1.6	460
672531	0.9	>10000	7.9	3	25.5		1.1	0.5	136
672532	0.6	4462.6	5.9	21	2.3		4.4	5.6	825
672533	0.8	2365.7	16.5	14	10.5		2.2	2	59
STANDARD	19.6	114.4	71.4	372	0.8		48.9	8.5	617
G-1	0.5	46.3	3.9	47	<.1		3.9	4.5	571
672534	0.3	72.8	3.7	52	<.1		6.2	8.1	1084
672535	0.8	>10000	2.2	19	6.5		3.3	3.2	445
672536	1	8855.4	9.5	27	18		5.5	6	92
672537	7.9	3372.4	1.4	4	8.3		1.1	0.4	27

672538	0.2	1481.7	1.3	12	0.3	2.4	1.8	221
STANDARD	18.6	116.4	69.6	415	0.8	54.2	9.2	663

ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.

Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm
1.58	<.5		2.6	7.3	3.9	49 <.1	<.1	0.1
4.2	<.5		8.4	105.6	1.4	5	3.6 <.1	133.3
3.01	<.5		5.7	400.2	0.1	2	0.5 <.1	90.9
36.45	0.5		7.5	2.4	0.9	4 <.1		0.1
3.83	<.5		3	652.4	0.4	1	0.4	0.1
3.74	<.5		52.2	8689.8	2.1	7	0.7	0.2
2.03	<.5		12.5	1700.2	0.8	19	0.3	0.2
2.4	<.5		62.4	1849.5	3.8	14	2.1	0.1
0.97	<.5		9.1	82.9	0.7	24	0.6 <.1	
3.15	<.5		1.9	344.3	0.8	14	2.3	0.4
1.54	1.1		1.7	2.1	4.2	59	0.1 <.1	
0.99	<.5		0.6	4	1.5	69 <.1	<.1	
1.38	1		25	10	30.1	33	0.1	0.1
1.29	104.1		1.3	1037.2	2.7	50	0.4	21.4
3.03	10.2		2.6	9.3	3.7	150	0.3	1.1
3.77	100.3		6.1	105	5.1	122	0.2	5
2.42	1.4		7	3975	2.1	29	0.4	0.2
2.13	0.7		2.4	331.6	8.1	84	0.1	0.3
1.51	2.6		1.4	2.6	3.4	103	0.1	0.1
0.82	<.5		0.5	2.6	1.6	58	0.1	0.1
1.81	<.5		3.6	13.7	4.3	51	0.1	0.1
1.82	<.5		3.6	5.8	4.2	48	0.1	0.1
1.52	<.5		38.8	948.9	4	33	1.1 <.1	
9.88	<.5		3.4	77.8	0.9	3	10.8	0.1
14.96	<.5		13.5	131.5	0.1	8	11.6 <.1	
2.56	<.5		10	50.7	5.6	20	0.2 <.1	
3.74	1.6		96.5	262.8	0.5	26	1.2 <.1	
13.29	<.5		35.1	289.9	0.1	18	3.4	0.1
1.16	<.5		26.8	382.9	1.5	52	0.1	0.1
1.36	<.5		4.3	5.5	7.7	43 <.1		0.1
3.58	<.5		35.8	2308	5.2	18	1.7	0.1
0.72	<.5		0.5	19.4	0.5	79	0.1 <.1	
1.1	<.5		0.7	85.8 <.1		57	0.5 <.1	
1.82	1.4		2.4	53	4.8	30	0.4	0.1
2.52	2.1		5.1	198.3	2.6	40 <.1		0.3
2.27	48.2		5.2	61.6	4.7	80	6.1	4.7
2	0.5		2.6	1.2	4.8	61 <.1	<.1	
2.15	1.4		1 <.5		2.7	71	0.1	0.1
2.85	<.5		0.6	50.3	1.5	42	0.4	0.1
2.9	0.5		18.2	335.9	3.3	15	0.3	0.2
0.93	1.2		9.2	11.2	0.1	1	0.1	0.1

0.63 <.5		0.6	4.2	1.3	31	0.1 <.1		0.3
2.5	48.9	4.9	57.8	4.2	73	6.1	4.7	4.6



V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm
	30	0.44	0.073	6	10	0.59	197	0.119 <20
	36	0.03	0.009	1	5	0.09	13	0.009 <20
	8	0.01	0.004 <1		8	0.01	10	0.001 <20
1083	0.06	0.006		1	4	0.4	31	0.12 <20
	62	0.01	0.002 <1		21	0.03	4	0.006 <20
	34	0.04	0.018	1	12	0.06	17	0.007 <20
	16	0.02	0.005	1	10	0.04	15	0.005 <20
	38	0.06	0.024	2	6	0.06	40	0.004 <20
	11	0.31	0.029	2	11	0.08	33	0.006 <20
	9	0.05	0.01	1	9	0.09	36	0.011 <20
	21	2.34	0.124	16	15	0.2	58	0.01 <20
	24	0.24	0.03	5	10	0.22	53	0.031 <20
	25	0.56	0.025	14	6	0.19	27	0.008 <20
	14	0.72	0.009	5	16	0.05	82	0.001 <20
	30	2.54	0.119	9	10	0.67	80	0.009 <20
	22	3.13	0.122	10	8	0.53	168	0.005 <20
	13	0.7	0.085	9	5	0.1	49	0.003 <20
	31	1.69	0.102	20	11	0.67	68	0.02 <20
	21	2.62	0.092	13	9	0.14	326	0.012 <20
	10	1.18	0.038	5	13	0.22	64	0.008 <20
	24	3.29	0.093	12	12	0.17	225	0.01 <20
	23	3.11	0.094	12	11	0.17	226	0.01 <20
176	0.25	0.065		6	8	0.11	65	0.004 <20
	35	0.04	0.008	2	4	0.25	20	0.028 <20
266	0.11	0.007		1	3	0.11	38	0.015 <20
	59	0.19	0.076	7	9	0.24	52	0.003 <20
347	0.9	0.005		3	6	0.1	31	0.004 <20
682	0.07	0.003		1	5	0.08	28	0.002 <20
	16	0.05	0.027	2	12	0.01	40	0.05 <20
	40	0.42	0.063	8	14	0.38	48	0.07 <20
	23	0.17	0.032	10	9	0.18	28	0.028 <20
	12	0.99	0.009	2	12	0.13	35	0.025 <20
	9	0.14	0.001 <1		11	0.02	8	0.002 <20
	20	0.61	0.116	21	10	0.08	74	0.005 <20
	9	0.11	0.049	10	6	0.07	45	0.003 <20
	78	0.91	0.077	13	170	1.01	367	0.125
	38	0.48	0.08	7	8	0.63	222	0.126 <20
	23	3.22	0.137	16	8	0.45	83	0.006 <20
	9	0.88	0.044	5	11	0.14	48	0.003 <20
	51	0.14	0.065	8	8	0.25	50	0.009 <20
	4	0.01	0.002 <1		10	0.01	3	0.002 <20

10	0.47	0.025	4	9	0.19	18	0.03 <20	
85	0.97	0.082	12	177	1.1	375	0.119	45

Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	
0.81	0.037	0.44	0.4	0.01	1.8	0.3	<.05		4
0.17	0.008	0.08	<.1	0.04	0.3	<.1		4.6	2
0.08	0.005	0.02	0.1	0.04	0.1	<.1		2.29	<1
0.54	0.003	0.46	0.1	<.01	1.9	0.2		0.06	16
0.05	0.002	0.02	0.1	0.02	0.2	<.1		0.82	1
0.15	0.006	0.07	<.1	0.03	0.3	<.1		1.37	1
0.14	0.006	0.05	0.1	0.01	0.2	<.1		0.84	1
0.35	0.033	0.14	0.1	0.02	0.4	<.1		1.89	3
0.3	0.056	0.09	0.1	<.01	0.8	<.1		0.1	1
0.18	0.016	0.13	<.1	0.04	0.4	<.1		2.57	1
0.62	0.036	0.18	<.1	<.01	1.9	<.1	<.05		2
0.42	0.036	0.17	0.1	<.01	0.7	<.1	<.05		2
0.34	0.036	0.1	0.1	<.01	1	<.1		0.06	2
0.11	0.004	0.04	0.1	0.35	0.2	<.1		0.36	<1
1.03	0.034	0.17	0.1	0.02	2.9	0.1	0.44		4
0.49	0.029	0.16	0.1	0.03	3	0.1	0.79		2
0.38	0.033	0.14	<.1	0.02	3.2	<.1		0.22	1
0.88	0.035	0.18	0.1	<.01	1.5	<.1		0.06	4
0.32	0.033	0.16	0.1	<.01	1.8	<.1	<.05		1
0.34	0.016	0.11	0.1	<.01	0.7	<.1	<.05		1
0.51	0.02	0.2	0.1	<.01	2.2	<.1	<.05		2
0.51	0.02	0.19	0.1	<.01	2.1	<.1	<.05		2
0.59	0.047	0.16	0.3	<.01	1.3	0.1	0.38		3
0.3	0.003	0.19	<.1	0.05	1.1	0.1	4.45		3
0.41	0.009	0.11	0.1	0.04	0.5	0.1	3.3		8
0.72	0.03	0.16	0.1	<.01	1.3	0.1	1.24		5
0.66	0.022	0.07	0.9	0.01	0.7	0.1	1.54		9
0.54	0.008	0.06	0.2	0.02	0.2	0.1	3.32		11
0.16	0.01	0.09	0.1	0.04	0.4	<.1		0.34	1
0.53	0.063	0.34	0.1	<.01	1.3	0.1	<.05		3
0.33	0.033	0.15	0.3	0.07	0.8	0.1	1.94		2
0.2	0.017	0.15	<.1	<.01	0.9	0.1	0.09		1
0.15	0.003	0.03	0.1	<.01	0.3	<.1		0.45	1
0.58	0.029	0.21	0.1	<.01	2.1	0.1	<.05		1
0.46	0.024	0.14	0.1	<.01	1	<.1	<.05		1
0.97	0.088	0.42	3.5	0.2	2.7	4.1	0.14		4
1.05	0.074	0.55	0.2	<.01	2.3	0.4	<.05		5
0.36	0.037	0.21	<.1	<.01	4.1	0.1	<.05		1
0.31	0.018	0.11	0.1	<.01	0.8	<.1		1.7	1
0.43	0.02	0.11	0.1	<.01	1	<.1	<.05		2
0.03	0.002	0.01	5.1	<.01	0.1	<.1		0.12	<1

0.27	0.015	0.17	0.1	<.01	0.4	0.1	0.1	1
1.03	0.091	0.45	3.8	0.19	2.8	4.1	0.22	5

Se  
ppm  
<.5

10.5  
7.5  
0.5  
5.3  
11.9  
6.1  
10.9  
0.9  
8.6

<.5

<.5

0.7  
1.3  
1.9  
2.7  
2.4  
0.6

<.5

0.6

<.5

0.7  
3.5  
16.1  
13.5  
5.3  
14.8  
11.5  
13.6

<.5

7.3

<.5

1.2  
0.5  
2.4  
3.9  
0.6

<.5

1.5  
1.4  
0.8

<.5

3.8

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604) 271-8888  
To CJL Enterprises Ltd.

Acme file # A718213 Page 1 Received: AUG 20 2007 \* 42 samples in this disk file.

Analysis: GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.

ELEMENT	Au**	Sample
SAMPLES	gm/mt	kg
G1	<.01	-
672501	0.12	1.5
672502	0.1	1.3
672503	0.01	0.6
672504	0.95	1.1
672505	14.55	1.5
672506	2.93	1.6
672507	3.56	1.2
672508	0.37	1.1
672509	6.2	2.1
672510	0.01	1.5
672511	0.01	1
672512	0.01	2
672513	1.35	1.9
672514	0.01	1.8
672515	0.1	1.8
672516	6.46	1.1
672517	0.4	0.9
672518	0.01	1.5
672519	<.01	1.2
672520	<.01	0.9
RE 672520	<.01	-
672521	2.94	0.5
672522	0.08	0.7
672523	0.18	2
672524	0.7	1.2
672525	1.97	1.6
672526	0.42	1.3
672527	0.41	0.7
672528	<.01	1
672529	3	1.3
672530	0.09	0.7
672531	0.18	0.6
672532	0.28	1.6
672533	1.13	2.3
STANDARD	5.86	-
G-1	<.01	-
672534	<.01	0.6
672535	0.09	0.8
672536	1.31	1
672537	0.05	0.5

672538 <.01                    0.6  
STANDARD                    5.9 -



04)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT