

**BC Geological Survey  
Assessment Report  
32879**



**Technical Report**  
**on**  
**Geological Mapping, a Soil Geochemical Survey**  
**and**  
**Rock Geochemical Sampling**

at the

**Copper-Keg Claims**

Mineral Titles 521952, 522104 and 587339 owned by Murray Scott Morrison  
and

Mineral Titles 708222, 708242 and 708262 owned by Gorgon Macklem

Kamloops Mining Division

NTS 92I - 11 & 14

50° 44' 43" N - 121° 9' 0" W

Operator: Gitennes Exploration Inc. (143145)

by

**Jerry D Blackwell, P Geo.**

**March 23, 2012**

32879

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## Summary

The Copper Keg claim group is 8.5 km northeast of Ashcroft BC. south of the Thompson river. (Figure 1). The main item of interest is a deep ravine marked by well-developed gossans. The ravine marks the contact between the Guichon Batholith and Nicola Group rocks.

Field work at the Copper Keg was undertaken on June 1 to 3, 2011. Exploration activities included:

1. Reconnaissance prospecting, mapping and rock sampling of the gossanous canyon;
2. Completing two northeast-oriented soil sampling lines across the canyon;
3. Collecting thirteen rock samples for analysis, particularly for copper and gold.

Rock geochemical results returned no anomalous results. Similarly soil geochemical samples returned low values. The economic potential of the rocks within the canyon area appears to be low.

## Introduction and Scope of Work

Exploration work on the Copper-Keg mineral claims (522104 and 587339) near Ashcroft B.C. was conducted by Equity Exploration Consultants on behalf of Gitennes Exploration from June 1<sup>st</sup>-3<sup>rd</sup>, 2011. A total of 2.5 days of field work were carried out by a geologist (Margot McKeown) and a prospector Joe McCreery). In particular the extensive gossan zone and adjacent, pyritized rocks were investigated to determine if it may be part of a porphyry system.

## The Property

The property comprises six claims totalling 34 units (Figure 2). The claims are under option from two different owners (Morrison and Maklem, acting as one) through option-to-purchase agreements that have a four-year term and an ultimate buy-out price of \$100,000 each.

The mineral tenures subject to this report include:

**Table 1: List of Mineral Tenures**

Claim Number	Name	Size hectares	Registered Owner	Staking Date
521952	Keg	184.03	Morrison	5 November 2005
522104	Kettle	61.33	Morrison	7 November 2005
587339	Keg 3	20.44	Morrison	3 July 2008
708222	Keg 2	102.24	Macklem	26 February 2010
708242	Keg 4	163.63	Macklem	26 February 2010
708262	Keg 5	163.58	Macklem	26 February 2010

## **Location and Area**

The Copper-Keg property is located 8.5 km northeast of Ashcroft B.C. on the southern side of the Thompson River Valley. Access to the property is via the Highland Valley Highway. A left turn is taken onto the Barnes Lake road 10 km out of Ashcroft; it is followed for another 11 kilometres. A left turn is taken onto a power-line road and after approximately 2.5 kilometres the closest road access to the property is reached.

The property is within the Kamloops Mining Division and the centre of the property is approximately 50° 44' 43" N – 121° 9' 0" W

## **Physiography and Climate**

The region is characterized by dry, pocket desert conditions in the Thompson Valley but is thinly forested on the upper terraces that mark the transition to the Thompson Plateau. Here it is forested by stands of aspen and pine.

The Thompson Valley is semi-arid, but may receive some snow from late October to mid-May.

## **History**

Previous work on the property has been extensive, and includes; prospecting, mapping, three diamond drill holes (1250' total), a VLF-EM survey, a magnetometer survey and a biogeochemical sage-brush study. The only account of significant mineralization is that of small amounts of copper, gold and silver reported in the 1890's. Subsequent, consistent work since the 1960's has not led to the discovery of economic mineralization.

## **Property Geology**

The property is located at the northwestern edge of the Late Triassic to Early Jurassic Guichon Creek Batholith which has intruded the Upper Triassic Nicola Group volcanic rocks. The Nicola group is cut by a northwest-striking fault, believed to be an extension of the Barnes Creek Fault, along the eastern contact with the Guichon Creek Batholith resulting in an abundantly fractured gossan zone (McMillan, 1976). The western and southern regions of the property have been covered by the Eocene Kamloops Group volcanic rocks. The northern reaches of the property near the Thompson River are covered by abundant glacial drift.

There are three gossan zones in the northern reaches of the property. The largest gossan is exposed along a steep gully that extends approximately 650 meters upslope to the southeast and is 15-75 meters wide, narrowing upslope. The gossan zone does not end but is covered by overburden and the Kamloops Group – basalt and thin units of mudstone. It is unknown how far the zone continues. There are two much smaller gossans that are also found along southeast oriented gullies. These are located 25 meters and 225 meters southwest of the main gossanous canyon.

## **Lithologies**

The Nicola Group Volcanics have two lithological units locally; a dark grey, fine-grained, silicified, weakly magnetic (in zones), andesite tuff, locally with sparse, visible, ≤1mm mafic minerals and a light green/grey chlorite altered porphyritic andesite with 25% 1-4mm subhedral plagioclase phenocrysts.

The tuff is metamorphosed to an andesite hornfels near the intrusive contact and is very similar in appearance to the Kamloops basalts. The andesite hornfels is distinguished by the intense, pervasive silicification and lack of olivine phenocrysts. Within the fault zone the andesite tuff has undergone argillic alteration (sericite and clay), is bleached and contains 2-8% fine disseminated pyrite. The porphyritic andesite forms a 320m x 40m sliver up the centre of the gossan area. The plagioclase phenocrysts have been thoroughly clay altered and the matrix has undergone pervasive chlorite alteration. This unit contains less pyrite,  $\leq 2\%$ , than the andesite tuff.

The quartz diorite and lesser granodiorite that are part of the hybrid phase of the Guichon Creek Batholith form blocky cliffs to the east of the gossan. Near the contact with the Nicola Volcanics the intrusive is fine-grained (chilled), commonly with 2-15% fine, disseminated pyrite and abundant gossan, specifically jarosite and limonite. A short distance away, east of the contact, the quartz diorite is medium grained and equigranular comprised of 70% plagioclase, 18% quartz, 8% hornblende, 5% biotite. East of the chilled contact the quartz diorite is extremely uniform.

There are a great deal of fine-grained, pyritized, highly silicified rocks immediately adjacent to the gossan zone which may be roof pendants of the Nicola group andesite or a fine-grained phase of the quartz diorite. The grain size and uniformity of the unit make it difficult to identify.

The northwest-southeast oriented fault, believed to be the northern expression of the Barnes Creek fault, forms the gully in which the primary gossan occurs. There is evidence of fault gouge near the bottom (north) of the gully. Fault breccias were found 225m up the gully with angular, unsorted clasts of the Nicola volcanic group within a red mud matrix. It is not possible to discern the exact orientation of the fault in the field as there are no intact structural features. The south-east extent of the fault is unknown as it is covered by the Kamloops Volcanics and overburden. The timing of the fault is thought to postdate the emplacement of the Guichon Creek Batholith and predate the Kamloops basalts as they are largely unfractured (Morrison, 1999). It is likely that the fault enabled hydrothermal fluids from a late intrusive to pyritize the Nicola Volcanics and Guichon quartz diorite.

The Kamloops Group Volcanics dominate the property to the south and west of the gossan extending further north than was previously mapped. They are comprised of an extremely uniform dark grey, aphanitic, weakly to moderately magnetic basalt. The basalt is locally vesicular with minor epidote alteration. In several outcrops 2-5% olivine phenocrysts are visible. Towards the contact zone with the quartz diorite, zones with 2-10% fine, disseminated pyrite become common. The contact zone with both the Nicola Group volcanic rocks and the Guichon Batholith are covered by overburden.

### **Alteration and Mineralization**

Pyritic, limonitic and argillic-altered andesite and quartz diorite rocks make up the gossan zone. The andesite has been more affected as the pyritization extends further west into the andesites whereas it is fairly restricted to a narrow zone along the contact to the east in the quartz diorite. Limonite is patchy, largely occurring on the east slope of the gossanous gully within argillite altered, bleached andesite tuffs nearest the quartz diorite intrusive.

### **WORK CARRIED OUT IN 2011**

#### **Mapping**

A 1:5,000 scale map was created, focusing on the gossan zones in the northern portion of the claims (Figure 3).

## Soil Sampling

A total of 32 soil samples were collected on the property along 2 contour lines (Figures 3 and 4). The soil samples were taken at 25m spacing along two contours at 427 meter and 503 meter elevation. At 427m elevation a 275m soil line was taken immediately to the west of the gossan and a 100m soil line was taken to the east of the gossan. At 503m elevation a 275m soil line was taken immediately to the west of the gossan and a 25m line was taken to the east. The length of the soil lines was limited by steep topography.

**Table 2: Soil sample locations (2011)**

Sample	Line	Easting	Northing	Elevation	Notes
858401	427E	629100	5624750	427	
858402	427E	629078	5624757	427	
858403	427E	629061	5624741	427	
858404	427E	629058	5624714	427	
858405	427E	629037	5624703	427	
858406	427E	629019	5624684	427	
858407	427E	629005	5624664	427	
858408	427E	628985	5624648	427	
858409	427E	628965	5624634	427	
858410	427E	628948	5624614	427	
858411	427E	628922	5624613	427	
858412	427E	628898	5624603	427	
858413	503E	628980	5624485	503	
858414	503E	629001	5624493	503	
858415	503E	629014	5624518	503	
858416	503E	629031	5624537	503	
858417	503E	629047	5624554	503	
858418	503E	629067	5624568	503	
858419	503E	629086	5624579	503	
858420	503E	629110	5624597	503	
858421	503E	629141	5624605	503	
858422	503E	629158	5624626	503	
858423	503E	629184	5624631	503	
858424	503E	629205	5624638	503	
858425	503E	629205	5624638	427	duplicate
858426	427W	629138	5624816	427	
858427	427W	629161	5624821	427	
858428	427W	629179	5624838	427	
858429	427W	629195	5624863	427	
858430	427W	629213	5624881	427	
858431	503W	629344	5624593	503	
858432	503W	629425	5624690	503	

Analytical results are available in appendix II.

### Rock Sampling

A total of 13 rock samples were taken from outcrop for geochemical analysis (figure 3). Rock samples were taken from different lithologies that are pyritic and display gossan or limonite weathering. Analytical results were disappointing. They may be found in Appendix III.

**Table 3: Rock sample locations (2011)**

Sample	Type	Easting	Northing	Elevation	Py	Po	Notes
985951	Grab	629273	5624307	656	10	2	Medium grained, strong gossan
985952	Grab	629362	5624371	602	10		Bleached, strong gossan, soft
985953	Grab	629161	5624779	422	15		Dark grey, med grained, silicified
985954	Grab	629640	5624176	741	2		Silicified granodiorite with trace pyrite and moderate gossan
985955	Grab	629367	5624595	575	10		Silica altered intrusive, strong gossan
985956	Grab	629068	5624873	379			Porphyritic andesite, trace pyrite, taken at contact with gossanous unit
985957	Grab	629102	5624727	432	5		Strong gossan on a "bleached out" unit
985901	Grab	628962	5624746	386	7		Silicified andesite hornfels(?), abundant gossan and limonite, within a shear zone
985902	Grab	629063	5624810	392			Abundant limonite weathering on highly weathered fine grain volcanics(?). Too altered to identify
985903	Grab	629097	5624788	405			Gossan zone within porphyritic andesite
985903	Grab	629332	5624522	544	8		Basalt with pyrite, moderate gossan and limonite
985905	Grab	629145	5624832	415	2		Highly gossanous and limonite stained fine grain phase of the intrusive, chilled margin(?)
985906	Grab	629352	5624551	563			Highly gossan and limonite weathered fine grain phase of the quartz diorite intrusive, near contact with Nicola Volcanics

### Discussion and Recommendations

While the gossan is visually impressive and there is an abundance of associated pyritized rocks, no evidence of economic metals or minerals was found. While it cannot be ruled out that the gossans represent a pyrite halo that is part of a porphyry system formed with a late-cooling, yet to be identified, felsic intrusive no evidence was found to support this theory. Rather, they appear to be related to hydrothermal fluids restricted to northwest trending faults.

If further exploration is done it will need to utilize deep penetrating geophysics techniques since zone disappears to the southeast under a cover of Kamloops Group Volcanic Rocks. Several deep diamond drill holes could also be drilled on the east side of the northern end of the gossan oriented southwest with shallow inclinations to target the most intense pyritization and argillic alteration.

## References

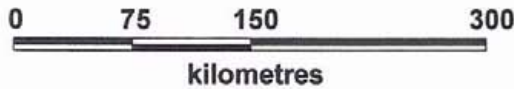
Arscott, D. (1971). Geological and geophysical field program on Pyrite Claim Group for Thor Exploration Ltd. ARIS 3246.

McMillan, W.J. (1976). Geology and Genesis of the Highland Valley Ore Deposit and the Guichon Creek Batholith. Porphyry Deposits of the Canadian Cordillera, C.L.M. Special Volume 15, pp 85-103.

Morrison, M.S. (1984). Radem VLF\_EM Ground Survey Assessment Report on the Burr 1&2 Mineral Claims, Ashcroft Area, Kamloops Mining Division. ARIS 12429.

Morrison, M.S. (1999). Biogeochemical Assessment Report on the Copper Keg Claim Group, Ashcroft Area, Kamloops Mining Division. ARIS 25982.

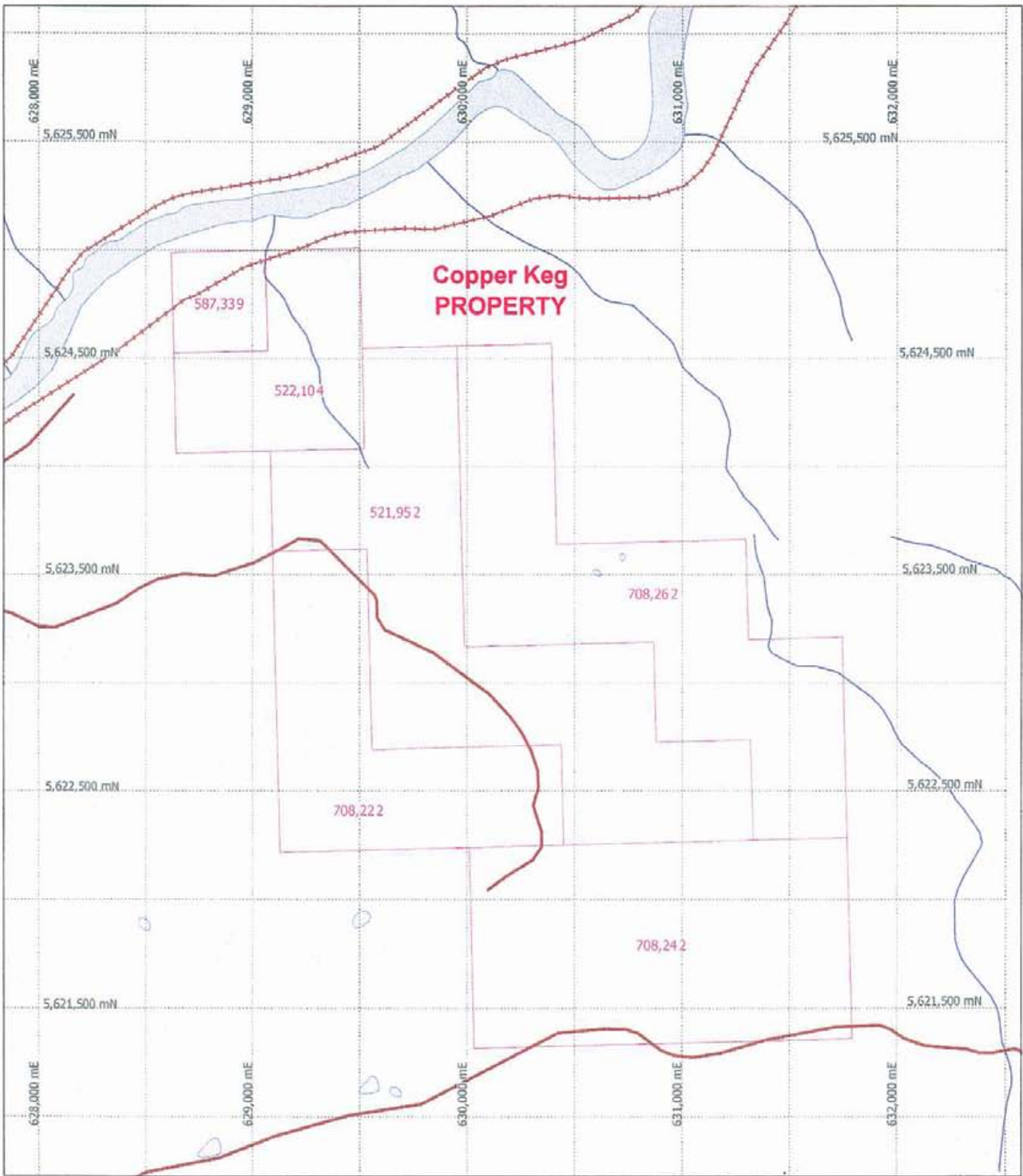




**GITENNES EXPLORATION INC.**

**Copper Keg Property  
LOCATION  
MAP**

	Date:	DEC 2011	Scale:	1:5,000,000	Figure
	U.T.M. Zone:	UTM 10 - NAD83	Mining District:	KAMLOOPS	<b>1</b>
	N.T.S.:	94D/9,16	Date/Province:	BC	



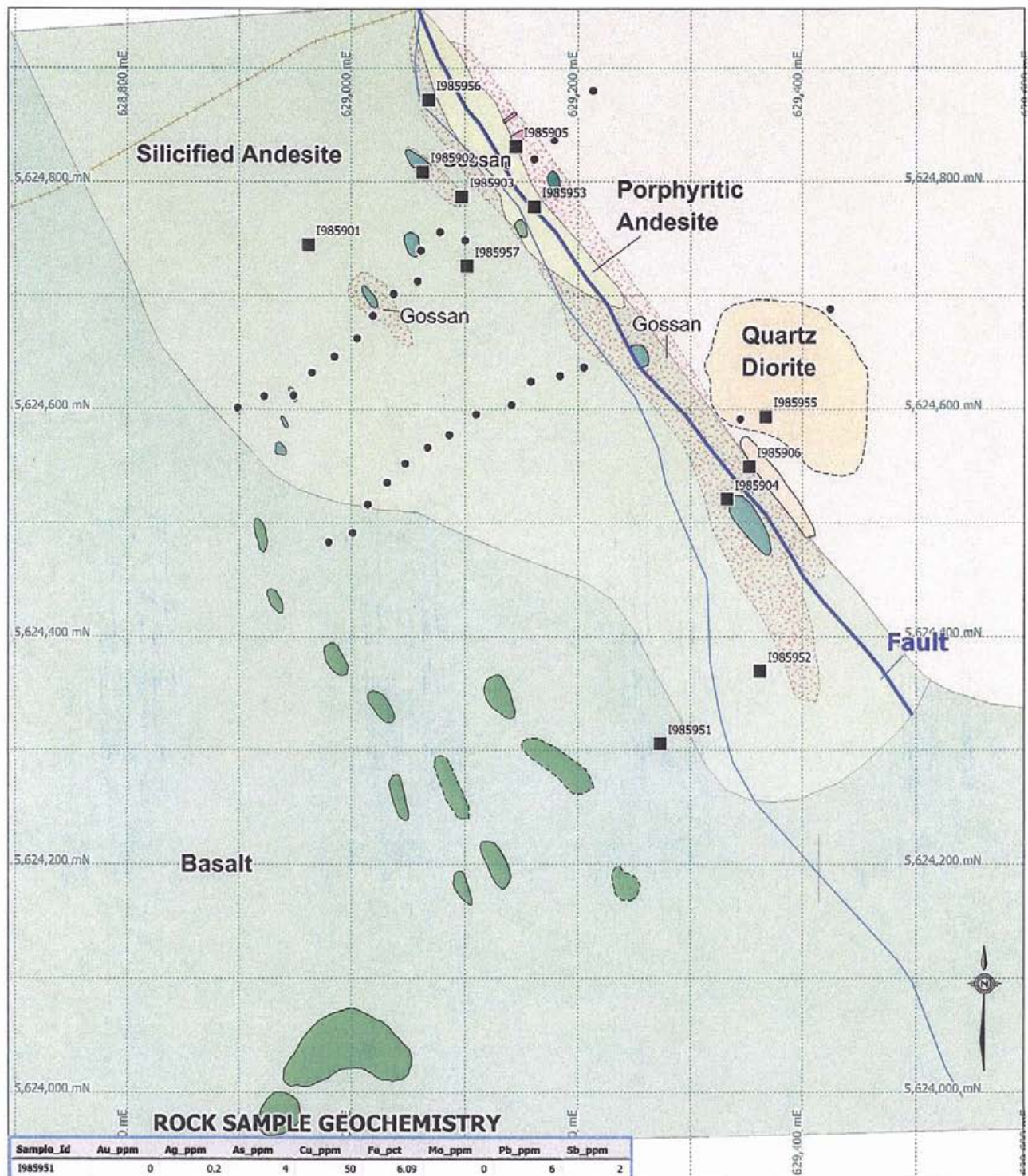
1000 meters



**GITENNES EXPLORATION INC.**

**Copper Keg Property  
TENURE  
MAP**

	Date:	DEC 2011	Scale:	1:25,000	Figure	<b>2</b>
	N.T.M. Zone:	UTM 10 - NAD83	Mining District:	RAMPLOOPS		
	N.T.S.:	921/11,14	State/Province:	BC		



**ROCK SAMPLE GEOCHEMISTRY**

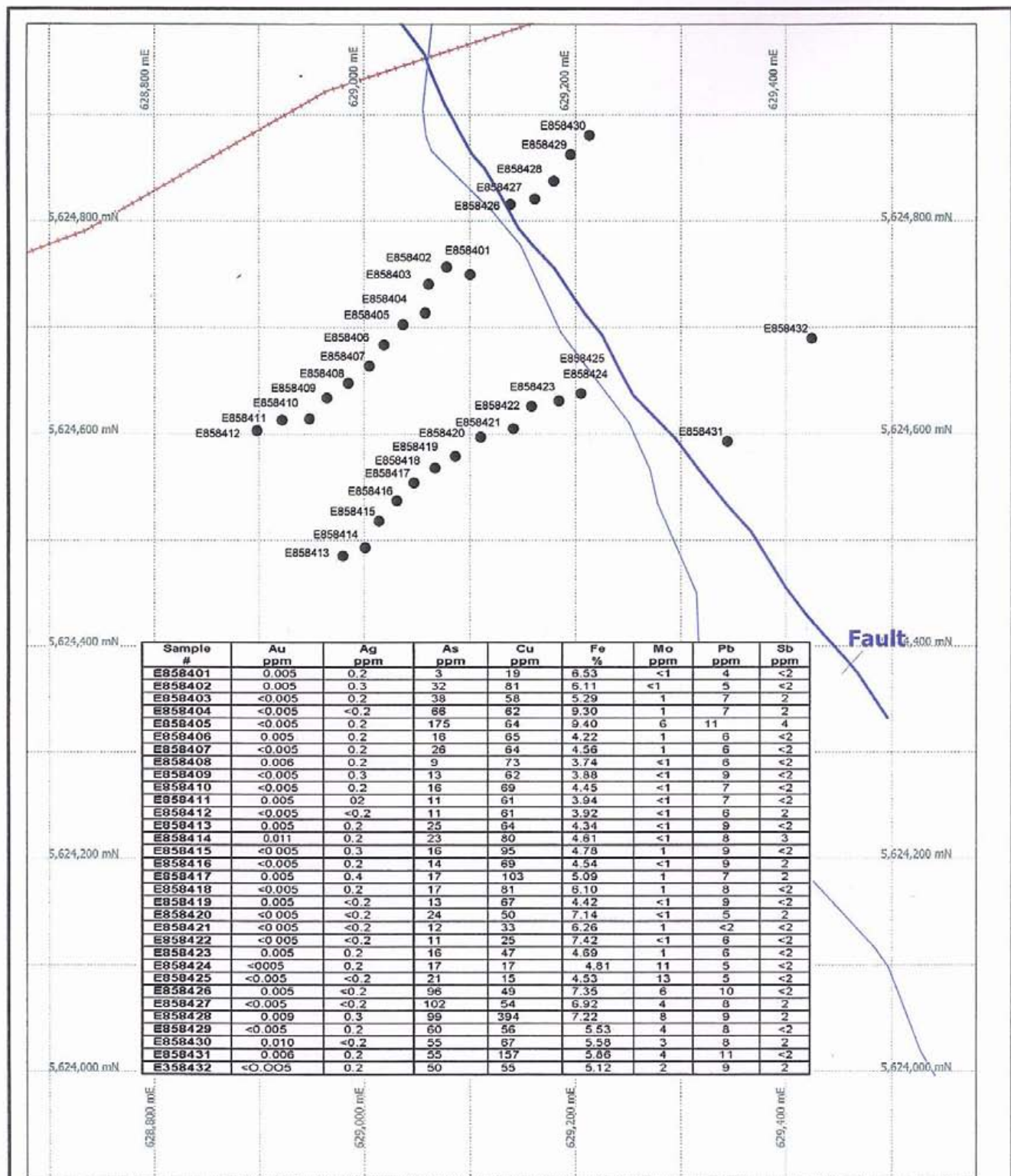
Sample_Id	Au_ppm	Ag_ppm	As_ppm	Cu_ppm	Fa_pct	Mo_ppm	Pb_ppm	Sb_ppm
1985951	0	0.2	4	50	6.09	0	6	2
1985952	0	0	6	2	2.64	1	0	0
1985953	0.013	0.3	8	69	8.03	0	5	0
1985954	0	0	76	12	6.39	0	4	0
1985955	0.011	1.6	39	1,490	7.11	2	6	0
1985956	0	0	10	48	2.76	0	7	3
1985957	0	0.2	17	33	6.28	0	3	0
1985901	0	0	10	43	5.32	0	0	2
1985902	0	0	7	3	1.49	0	3	2
1985903	0	0.3	9	7	4.28	0	3	2
1985904	0	0	13	50	7.39	0	0	2
1985905	0	0	10	20	2.63	1	3	0
1985906	0	0	0	15	1.76	0	0	0

200 meters

**GITENNES EXPLORATION INC.**

**Copper Keg Property  
Property Geology**

	Date:	DEC 2011	Scale:	1:5,000	Figure <b>3</b>
	U.T.M. Zone:	UTM 10 - NAD83	Mining District:	KAMPLOOPS	
	W.T.S.:	921/11.14	State/Province:	BC	



Sample #	Au ppm	Ag ppm	As ppm	Cu ppm	Fe %	Mo ppm	Pb ppm	Sb ppm
E858401	0.005	0.2	3	19	6.53	<1	4	<2
E858402	0.005	0.3	32	81	6.11	<1	5	<2
E858403	<0.005	0.2	38	58	5.29	1	7	2
E858404	<0.005	<0.2	66	62	9.30	1	7	2
E858405	<0.005	0.2	175	64	9.40	6	11	4
E858406	0.005	0.2	18	65	4.22	1	6	<2
E858407	<0.005	0.2	26	64	4.56	1	6	<2
E858408	0.006	0.2	9	73	3.74	<1	6	<2
E858409	<0.005	0.3	13	62	3.88	<1	9	<2
E858410	<0.005	0.2	16	69	4.45	<1	7	<2
E858411	0.005	0.2	11	61	3.94	<1	7	<2
E858412	<0.005	<0.2	11	61	3.92	<1	6	2
E858413	0.005	0.2	25	64	4.34	<1	9	<2
E858414	0.011	0.2	23	80	4.81	<1	8	3
E858415	<0.005	0.3	16	95	4.78	1	9	<2
E858416	<0.005	0.2	14	69	4.54	<1	9	2
E858417	0.005	0.4	17	103	5.09	1	7	2
E858418	<0.005	0.2	17	81	6.10	1	8	<2
E858419	0.005	<0.2	13	67	4.42	<1	9	<2
E858420	<0.005	<0.2	24	50	7.14	<1	5	2
E858421	<0.005	<0.2	12	33	6.26	1	<2	<2
E858422	<0.005	<0.2	11	25	7.42	<1	6	<2
E858423	0.005	0.2	16	47	4.69	1	6	<2
E858424	<0.005	0.2	17	17	4.81	11	5	<2
E858425	<0.005	<0.2	21	15	4.53	13	5	<2
E858426	0.005	<0.2	96	49	7.35	6	10	<2
E858427	<0.005	<0.2	102	54	6.92	4	8	2
E858428	0.009	0.3	99	394	7.22	8	9	2
E858429	<0.005	0.2	60	56	5.53	4	8	<2
E858430	0.010	<0.2	55	67	5.58	3	8	2
E858431	0.006	0.2	55	157	5.06	4	11	<2
E858432	<0.005	0.2	50	55	5.12	2	9	2

200 meters



GITENNES EXPLORATION INC.

Copper Keg Property  
Soil Sample Locations

EQUITY	Date:	DEC 2011	Scale:	1:5,000	Figure
	U.T.M. Zone:	UTM 10 - NAD83	Mining District:	KAMLOOPS	
	N.T.S.:	92M/11,14	State/Province:	BC	

4

# **Appendix I**

## Statement of Costs

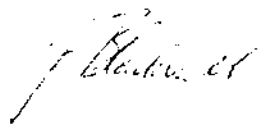
## STATEMENT OF COSTS

Copper Keg Project  
August 2011

Event Number 5151748

Item	Subtotal \$	Total \$
<b>Personnel</b>		
M Mc Keown (Geologist) – 4 days-\$700/d	4620.00	
Joe Mc Creery (Prospector) – 4 days - \$525/d	2100.00	<b>6720.00</b>
<b>Office Studies</b>		
Report Writing – Blackwell - 1 days-\$600/d	600.00	
Project Review & Reporting – Mc Keown – 2.5 days -\$700/d	1750.00	
GIS & Compilation	225.00	<b>2575.00</b>
<b>Geochemical Surveys</b>		
Soil Survey (32 Samples)– ALS	741.12	
Rock Samples (13 Samples) - ALS	377.77	<b>1118.89</b>
<b>Transportation</b>		
Truck Rental	578.03	
Fuel	213.21	<b>791.24</b>
<b>Accommodations &amp; Food</b>		
Hotels	393.48	
Meals	175.46	<b>568.94</b>
<b>Freight</b>	37.43	<b>37.43</b>
<b>Total Costs</b>		<b>10811.50</b>

Total Costs reported here: \$ 10,811.50



J. Blackwell  
March 23, 2012

# **Appendix II**

Laboratory Results  
Soil Samples

ALS Canada Ltd.



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 SUITE 200, 900 WEST HASTINGS STREET  
 VANCOUVER BC V6C 1E5

Page: 1  
 Finalized Date: 22-JUN-2011  
 Account: EIA

**CERTIFICATE VA11101966**

Project: GIT11-01  
 P.O. No.: GIT11-01  
 This report is for 32 Soil samples submitted to our lab in Vancouver, BC, Canada on 7-JUN-2011.  
 The following have access to data associated with this certificate:

EQUITY ENG E-MAIL	JERRY BLACKWELL	MARGOT MCKEOWN
-------------------	-----------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA- AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: JERRY BLACKWELL  
 SUITE 200, 900 WEST HASTINGS STREET  
 VANCOUVER BC V6C 1E5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 SUITE 200, 900 WEST HASTINGS STREET  
 VANCOUVER BC V6C 1E5

Page: 2 - A  
 Total # Pages: 2 (A - C)  
 Finalized Date: 22-JUN-2011  
 Account: EIA

Project: GIT11-01

**CERTIFICATE OF ANALYSIS VA11101966**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
E858401		0.46	0.005	0.2	0.75	3	<10	110	<0.5	<2	1.32	<0.5	<1	1	19	6.53
E858402		0.36	0.005	0.3	4.22	32	<10	130	<0.5	<2	1.44	<0.5	4	30	81	6.11
E858403		0.40	<0.005	0.2	2.39	38	<10	170	<0.5	<2	0.66	<0.5	13	33	58	5.29
E858404		0.54	<0.005	<0.2	2.89	66	<10	50	<0.5	<2	0.13	<0.5	1	6	62	9.30
E858405		0.46	<0.005	0.2	3.52	175	<10	70	<0.5	<2	3.40	<0.5	5	24	64	9.40
E858406		0.44	0.005	0.2	2.19	16	<10	250	0.5	<2	1.04	<0.5	14	40	65	4.22
E858407		0.40	<0.005	0.2	2.37	26	<10	230	0.5	<2	0.94	0.7	17	41	64	4.56
E858408		0.46	0.006	0.2	2.24	9	<10	260	0.5	<2	3.36	<0.5	14	43	73	3.74
E858409		0.40	<0.005	0.3	2.24	13	10	300	0.5	<2	1.10	<0.5	15	41	62	3.88
E858410		0.50	<0.005	0.2	2.63	16	<10	340	0.5	<2	1.07	0.5	16	42	69	4.45
E858411		0.38	0.005	0.2	2.05	11	<10	250	0.5	<2	1.12	<0.5	16	44	61	3.94
E858412		0.46	<0.005	<0.2	2.57	11	<10	240	0.5	<2	1.22	<0.5	14	40	61	3.92
E858413		0.44	0.005	0.2	2.14	25	<10	270	0.5	<2	1.68	<0.5	15	34	64	4.34
E858414		0.60	0.011	0.2	1.97	23	<10	200	0.5	<2	1.04	<0.5	18	40	80	4.61
E858415		0.46	<0.005	0.3	2.35	16	<10	230	<0.5	<2	0.81	0.7	27	40	95	4.78
E858416		0.50	<0.005	0.2	2.46	14	<10	220	0.5	<2	0.97	0.5	21	45	69	4.54
E858417		0.52	0.005	0.4	2.70	17	<10	190	<0.5	<2	0.93	0.5	36	45	103	5.09
E858418		0.54	<0.005	0.2	3.17	17	<10	160	<0.5	<2	0.78	<0.5	32	29	81	6.10
E858419		0.46	0.005	<0.2	2.22	13	<10	210	0.5	<2	0.82	<0.5	21	53	67	4.42
E858420		0.48	<0.005	<0.2	1.70	24	<10	80	<0.5	<2	0.48	<0.5	2	10	50	7.14
E858421		0.44	<0.005	<0.2	1.73	12	<10	60	<0.5	<2	0.53	<0.5	1	5	33	6.26
E858422		0.46	<0.005	<0.2	1.40	11	<10	70	<0.5	<2	0.12	<0.5	1	9	25	7.42
E858423		0.44	0.005	0.2	2.31	16	<10	180	<0.5	<2	0.75	<0.5	17	39	47	4.69
E858424		0.52	<0.005	0.2	0.68	17	<10	60	<0.5	<2	2.09	<0.5	<1	1	17	4.81
E858425		0.54	<0.005	<0.2	0.64	21	<10	70	<0.5	<2	2.10	<0.5	<1	1	15	4.53
E858426		0.28	0.005	<0.2	3.18	96	<10	80	<0.5	<2	1.75	<0.5	14	7	49	7.35
E858427		0.22	<0.005	<0.2	3.02	102	<10	110	<0.5	<2	0.67	<0.5	9	14	54	6.92
E858428		0.32	0.009	0.3	3.51	99	<10	250	<0.5	<2	1.51	<0.5	33	42	394	7.22
E858429		0.18	<0.005	0.2	2.66	60	<10	220	<0.5	<2	0.71	<0.5	14	30	56	5.53
E858430		0.26	0.010	<0.2	2.67	55	<10	250	<0.5	<2	0.90	<0.5	13	32	67	5.58
E858431		0.18	0.006	0.2	2.86	55	<10	200	<0.5	<2	1.05	1.6	46	31	157	5.88
E858432		0.22	<0.005	0.2	2.96	50	<10	100	<0.5	<2	0.30	<0.5	7	14	55	5.12



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Project: GIT11-01

CERTIFICATE OF ANALYSIS VA11101966

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
E858401		10	1	0.17	<10	0.08	36	<1	0.35	<1	170	4	2.61	<2	3	63
E858402		10	1	0.11	<10	1.33	438	<1	0.06	5	570	5	1.27	<2	25	120
E858403		10	<1	0.22	10	1.01	705	1	0.11	27	830	7	0.39	2	10	114
E858404		10	1	0.10	<10	0.71	423	1	0.12	1	960	7	0.83	2	11	117
E858405		10	2	0.17	<10	0.89	600	6	0.24	7	1340	11	3.52	4	14	162
E858406		10	<1	0.25	10	1.09	667	1	0.06	33	1030	6	0.13	<2	8	154
E858407		10	1	0.33	10	0.95	838	1	0.06	38	1110	8	0.17	<2	8	136
E858408		<10	1	0.29	10	1.23	631	<1	0.04	37	1380	6	0.05	<2	7	193
E858409		<10	1	0.42	10	1.06	725	<1	0.04	38	1270	9	0.09	<2	6	139
E858410		10	1	0.39	10	1.04	846	<1	0.04	38	1100	7	0.09	<2	8	125
E858411		10	1	0.28	10	1.17	647	<1	0.04	48	1190	7	0.05	<2	7	156
E858412		10	1	0.23	10	1.02	836	<1	0.03	36	1130	6	0.07	2	7	108
E858413		10	1	0.21	10	1.08	615	<1	0.04	26	1370	9	0.08	<2	7	164
E858414		10	1	0.29	10	0.92	688	<1	0.03	30	1200	8	0.10	3	7	112
E858415		<10	1	0.32	10	0.74	927	1	0.04	31	1110	9	0.12	<2	8	116
E858416		10	1	0.25	10	1.00	969	<1	0.05	43	1040	9	0.08	2	8	102
E858417		10	1	0.31	10	1.15	1120	1	0.05	44	990	7	0.11	2	11	112
E858418		10	1	0.32	10	1.17	1625	1	0.06	26	1160	8	0.19	<2	17	110
E858419		10	1	0.24	10	1.24	806	<1	0.06	58	810	9	0.10	<2	8	97
E858420		10	1	0.25	10	0.30	104	<1	0.40	2	1070	5	2.30	2	10	176
E858421		10	<1	0.09	<10	0.33	257	1	0.16	3	480	<2	1.15	<2	11	61
E858422		10	<1	0.11	<10	0.45	290	<1	0.10	5	740	6	0.81	<2	5	72
E858423		<10	1	0.16	10	0.79	768	1	0.10	39	790	6	0.36	<2	8	104
E858424		<10	1	0.11	<10	0.18	37	11	0.29	1	500	5	2.75	<2	5	70
E858425		<10	1	0.10	<10	0.17	33	13	0.23	1	440	5	2.60	<2	4	64
E858426		10	1	0.21	<10	0.98	900	6	0.15	5	980	10	1.89	<2	20	114
E858427		10	1	0.17	<10	0.71	689	4	0.11	8	940	8	0.51	2	13	107
E858428		10	1	0.34	10	1.44	941	8	0.08	27	3380	9	0.41	2	41	161
E858429		10	1	0.28	10	0.71	908	4	0.08	22	1350	8	0.37	<2	10	119
E858430		10	1	0.22	10	0.91	690	3	0.10	30	1160	8	0.40	2	10	139
E858431		10	1	0.36	10	0.88	2140	4	0.08	33	1810	11	0.51	<2	11	96
E858432		10	1	0.18	<10	0.54	391	2	0.17	9	850	9	1.24	2	10	93



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Project: GIT11-01

CERTIFICATE OF ANALYSIS VA11101966

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
E858401		<20	<0.01	<10	<10	21	<10	5
E858402		<20	0.03	<10	<10	180	<10	61
E858403		<20	0.09	<10	<10	101	<10	69
E858404		<20	0.01	<10	<10	125	<10	55
E858405		<20	0.06	<10	<10	122	<10	66
E858406		<20	0.14	<10	<10	106	<10	77
E858407		<20	0.12	<10	<10	95	<10	110
E858408		<20	0.15	<10	<10	104	<10	83
E858409		<20	0.13	<10	<10	91	<10	90
E858410		<20	0.13	<10	<10	96	<10	104
E858411		<20	0.14	<10	<10	97	<10	77
E858412		<20	0.11	<10	<10	88	<10	85
E858413		<20	0.13	<10	<10	100	<10	72
E858414		<20	0.14	<10	<10	109	<10	78
E858415		<20	0.13	<10	<10	92	<10	111
E858416		<20	0.13	<10	<10	88	<10	108
E858417		<20	0.15	<10	<10	106	<10	109
E858418		<20	0.16	<10	<10	130	<10	102
E858419		<20	0.15	<10	<10	88	<10	88
E858420		<20	0.01	<10	<10	30	<10	16
E858421		<20	0.01	<10	<10	69	<10	36
E858422		<20	0.01	<10	<10	45	<10	32
E858423		<20	0.09	<10	<10	79	<10	83
E858424		<20	<0.01	<10	<10	25	<10	9
E858425		<20	<0.01	<10	<10	24	<10	8
E858426		<20	0.15	<10	<10	135	<10	71
E858427		<20	0.08	<10	<10	97	<10	65
E858428		<20	0.33	<10	<10	190	<10	169
E858429		<20	0.10	<10	<10	89	<10	94
E858430		<20	0.11	<10	<10	92	<10	86
E858431		<20	0.11	<10	<10	88	<10	179
E858432		<20	0.03	<10	<10	64	<10	64

# **Appendix III**

Laboratory Results

Rock samples

ALS Canada Inc.



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**CERTIFICATE VA11101965**

Project: GIT11-01  
P.O. No.: GIT11-01  
This report is for 13 Rock samples submitted to our lab in Vancouver, BC, Canada on 7-JUN-2011.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL

JERRY BLACKWELL

MARGOT MCKEOWN

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% < 2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um


**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Au- AA23	Au 30g FA- AA finish	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
ATTN: JERRY BLACKWELL  
SUITE 200, 900 WEST HASTINGS STREET  
VANCOUVER BC V6C 1E5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:



Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS VA11101965**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA23 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
1985951		0.74	<0.005	0.2	7.42	4	<10	50	<0.5	<2	3.77	<0.5	22	4	50	6.09
1985952		1.04	<0.005	<0.2	1.10	6	<10	10	<0.5	<2	0.02	<0.5	4	4	2	2.64
1985953		1.40	0.013	0.3	6.01	8	10	30	<0.5	<2	2.53	0.6	27	2	69	8.03
1985954		1.08	<0.005	<0.2	2.77	76	<10	60	<0.5	<2	0.97	<0.5	16	3	12	6.39
1985955		0.88	0.011	1.6	2.43	39	<10	20	<0.5	<2	1.10	0.6	130	45	1490	7.11
1985956		0.52	<0.005	<0.2	2.12	10	<10	80	0.7	<2	1.60	<0.5	7	4	48	2.76
1985957		0.78	<0.005	0.2	0.79	17	<10	80	<0.5	<2	0.96	<0.5	3	4	33	6.28
1985901		0.86	<0.005	<0.2	2.57	10	<10	30	<0.5	<2	1.14	<0.5	16	15	43	5.32
1985902		0.80	<0.005	<0.2	0.70	7	<10	160	<0.5	<2	0.07	<0.5	3	2	3	1.49
1985903		1.02	<0.005	0.3	1.32	9	<10	30	<0.5	<2	0.37	<0.5	10	3	7	4.28
1985904		1.08	<0.005	<0.2	1.74	13	<10	30	<0.5	<2	0.47	<0.5	19	9	50	7.39
1985905		1.18	<0.005	<0.2	1.93	10	<10	20	0.5	<2	1.52	<0.5	<1	4	20	2.63
1985906		0.94	<0.005	<0.2	0.36	<2	<10	210	<0.5	<2	0.22	<0.5	9	8	15	1.76



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**CERTIFICATE OF ANALYSIS VA11101965**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
1985951		10	1	0.14	<10	1.63	1015	<1	0.61	<1	700	6	4.03	2	34	162
1985952		<10	<1	0.03	<10	0.01	14	1	0.02	1	140	<2	1.51	<2	1	13
1985953		10	1	0.17	<10	1.26	728	<1	0.72	<1	700	5	7.25	<2	9	198
1985954		10	<1	0.21	<10	1.64	1015	<1	0.25	<1	850	4	0.99	<2	24	31
1985955		<10	<1	0.10	<10	1.12	595	2	0.13	31	650	6	5.18	<2	20	23
1985956		10	<1	0.15	<10	0.68	728	<1	0.06	2	710	7	0.55	3	7	22
1985957		<10	<1	0.14	<10	0.18	95	<1	0.12	<1	270	3	1.85	<2	8	45
1985901		10	<1	0.04	<10	0.73	375	<1	0.34	1	690	<2	2.11	2	9	66
1985902		<10	<1	0.08	<10	0.02	24	<1	0.02	<1	130	3	0.79	2	2	17
1985903		<10	<1	0.07	<10	0.50	578	<1	0.13	<1	490	3	3.42	2	3	23
1985904		<10	<1	0.08	<10	0.39	270	<1	0.08	<1	330	<2	6.58	2	6	61
1985905		10	<1	0.07	<10	0.31	313	1	0.05	<1	570	3	0.19	<2	9	7
1985906		<10	<1	0.06	<10	0.04	97	<1	0.02	1	1110	<2	0.70	<2	3	25



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**CERTIFICATE OF ANALYSIS VA11101965**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th ppm 20	Ti % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
1985951		<20	0.15	<10	<10	206	<10	72
1985952		<20	<0.01	<10	<10	15	<10	<2
1985953		<20	0.03	<10	<10	113	<10	129
1985954		<20	0.30	<10	<10	161	<10	97
1985955		<20	0.13	<10	<10	210	<10	86
1985956		<20	0.13	<10	<10	49	<10	89
1985957		<20	0.01	<10	<10	63	<10	13
1985901		<20	0.13	<10	<10	206	<10	34
1985902		<20	<0.01	<10	<10	13	<10	<2
1985903		<20	0.01	<10	<10	22	<10	45
1985904		<20	0.01	<10	<10	34	<10	39
1985905		<20	0.14	<10	<10	26	<10	20
1985906		<20	0.01	<10	<10	10	<10	3



# **Appendix V**

## Statement of Qualifications

J. Blackwell, P. Geo

&

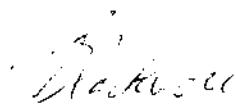
M. McKeown

## STATEMENT OF QUALIFICATIONS

I, Jerry Dennis Blackwell, P. Geol., do hereby state that:

1. I am a geologist resident at 253 Stewart Road, Lions Bay, British Columbia, Canada, V0N 2E0;
2. I graduated with a Bachelor of Science (Honours) in Geology from the University of Western Ontario in 1974;
3. I am a registered Professional Geoscientist of the Province of British Columbia, certificate number 20130.
4. I have practiced my profession since graduation most notably in the field of mineral exploration as a representative for Gitennes Exploration Inc., for Cominco Limited, and as a self-employed consultant representing various major mining and junior resource exploration companies.
5. I am responsible as writer of this Technical Report titled "Technical Report on Geological Mapping, a Soil Geochemical Survey and Rock Geochemical Sampling at the Copper-Keg Claims" and dated March 23, 2012.

Dated the 23th day of March 2012, in the City of Vancouver, British Columbia.



Jerry Blackwell  
P. Geo

GEOLOGIST'S CERTIFICATE

Margot McKeown  
2309 – 928 Homer Street,  
Vancouver, BC, Canada

I, Margot McKeown, am a Geologist employed by Equity Exploration Consultants Ltd., with offices at Suite 200–900 West Hastings Street in the City of Vancouver, B.C., in the Province of British Columbia.

I am a graduate of the University of Victoria (2008) with a Bachelor of Science degree in Earth Science, and I have practiced my profession since 2006.

Since 2006, I have been involved in mineral exploration for gold, silver, copper, lead and zinc in Canada and the United States.

I am currently a Consulting Geologist and have been since 2008.

I carried out 2.5 days of prospecting and mapping on the Copper-Keg property from June 1<sup>st</sup>-3<sup>rd</sup>, 2011.

Dated at Vancouver, British Columbia, this 22<sup>th</sup> day of March, 2012.

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Margot McKeown, B.Sc.