

Appendix II

Heberlein Geoconsulting's report on the Babine Project, B.C – An Interpretation of 2010 Ah and Historical B horizon Soil Geochemistry Results

BC Geological Survey
Assessment Report
32356d



Heberlein Geoconsulting
325-210 West 2nd Street
North Vancouver, BC
V7M 1C6
Canada

Phone: (778) 340-0098
Mobile: (604) 716-4161
E-mail: dave@hebgeoconsulting.com
Web: www.hebgeoconsulting.com

BABINE PROJECT, BC

*An Interpretation of 2010 Ah and Historical B horizon Soil Geochemistry
Results
For Copper Ridge Exploration*

By

*Dave Heberlein M.Sc., P.Geo.
Consulting Exploration Geochemist*

December 28th, 2010

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INTRODUCTION

At the request of Greg Dawson, the author has carried out an interpretation of the 2010 Ah horizon soil geochemistry results for Copper Ridge Exploration's Babine project.

During the 2010 field season, Copper Ridge collected 460 Ah horizon soil samples from a northeast-southwest oriented grid over the Nak porphyry deposit (Fig. 1 – red dots). Samples were collected at approximately 50 metre intervals along lines spaced at a nominal distance of 200 metres apart. Two short line segments were also sampled over the Dorothy Deposit. Results from B horizon soil samples collected in 2007 and 2008 were also evaluated as part of this interpretation (blue dots – Fig. 1).

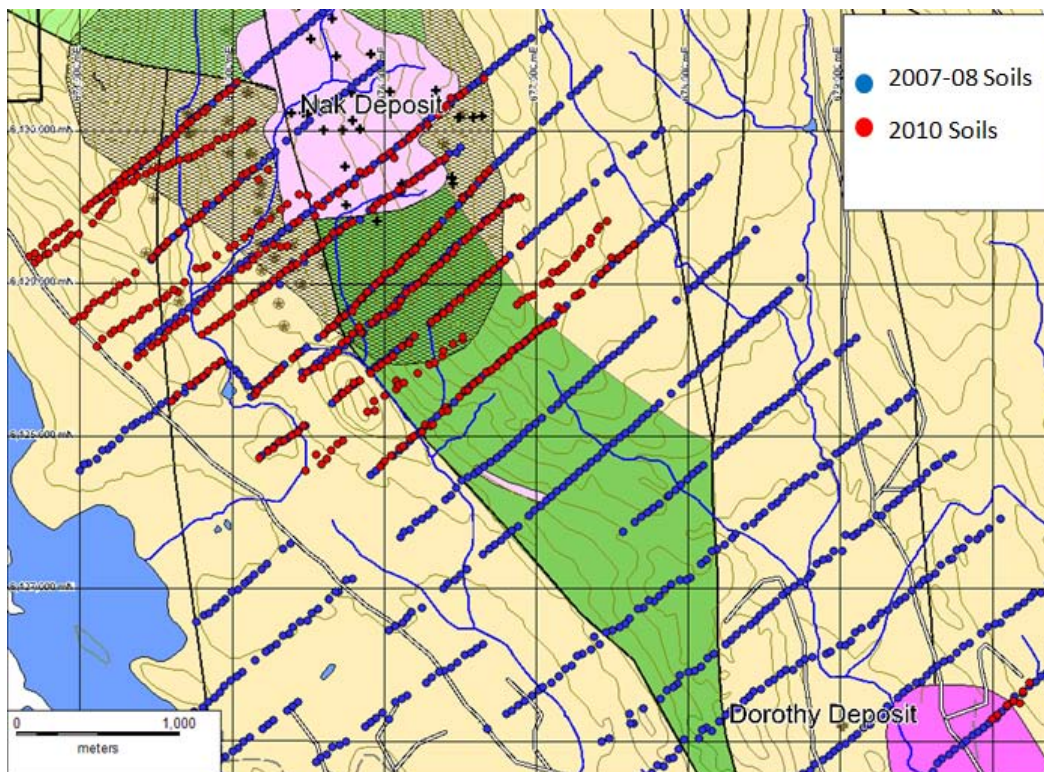


Figure 1 Sample Location Map: Red - 2010 Ah Samples; Blue – 2007-08 B horizon soils.

SCOPE OF WORK

The objective of this study was to identify potential targets for porphyry copper-molybdenum-style mineralization located outside of the known mineralized zones. Geochemical results from this year's campaign and the 2007-08 sampling were evaluated in order to identify potential bedrock sources.

DATA PROCESSING

Prior to plotting the results, the Ah and B horizon soil databases underwent the following steps.

- a) Analytical results and field locations were merged using Geosoft Target software. Merged data was then exported into a csv file format.
- b) The csv files were imported into ioGAS software where the results were validated. Validation included checking sample locations for coordinate

errors and replacement of zero values with nulls. Several locations errors were identified and corrected. Three samples without coordinates were removed from the dataset.

- c) Histograms for each element were then assessed to determine their distribution type (i.e. arithmetic or log normal).
- d) Logarithmically distributed (trace) elements were transformed using a Log(10) Z-Score transformation. This transformation converts the data to a normal distribution and sets the median at zero. Values are distributed positively and negatively around zero with the larger positive values representing the most anomalous samples. In this way all elements are converted to the same range and units, which facilitates plotting and comparison. This method was applied to both the Ah and B-horizon soil datasets.
- e) Scatter plots of the raw data for elements of interest were generated for the principal controlling variables. Controlling variables are elements that through their compounds, cause adsorption and concentration of mobile elements.

In central BC where Podzol and Brunisol soil profiles predominate, the controlling variables are typically Fe (through oxides and oxyhydroxides) and Mn but organic carbon can also be important. Elements showing positive correlations with the controlling variables need to be corrected by normalization to the controlling variable. If a correction is not applied, patterns displayed by elements of interest will likely reflect the bulk composition of a controlling variable in the soil and not necessarily patterns related to dispersion from mineralization. In this study, Fe was found to control the distribution of Bi, Co, Cs, Cu, Ni, Rb, Sb, Te, and Zn. Examples of positive correlations with Fe are shown in Figure 2. Normalization was carried out on the raw data values and then a Log(10) Z-Score was applied to the corrected values.

- f) Colour symbol map themes were then generated in Mapinfo for the transformed data using the following percentile breaks: 50, 75, 83, 87, 93 and 98%.
- g) Symbols were plotted over topography and geology layers for interpretation.

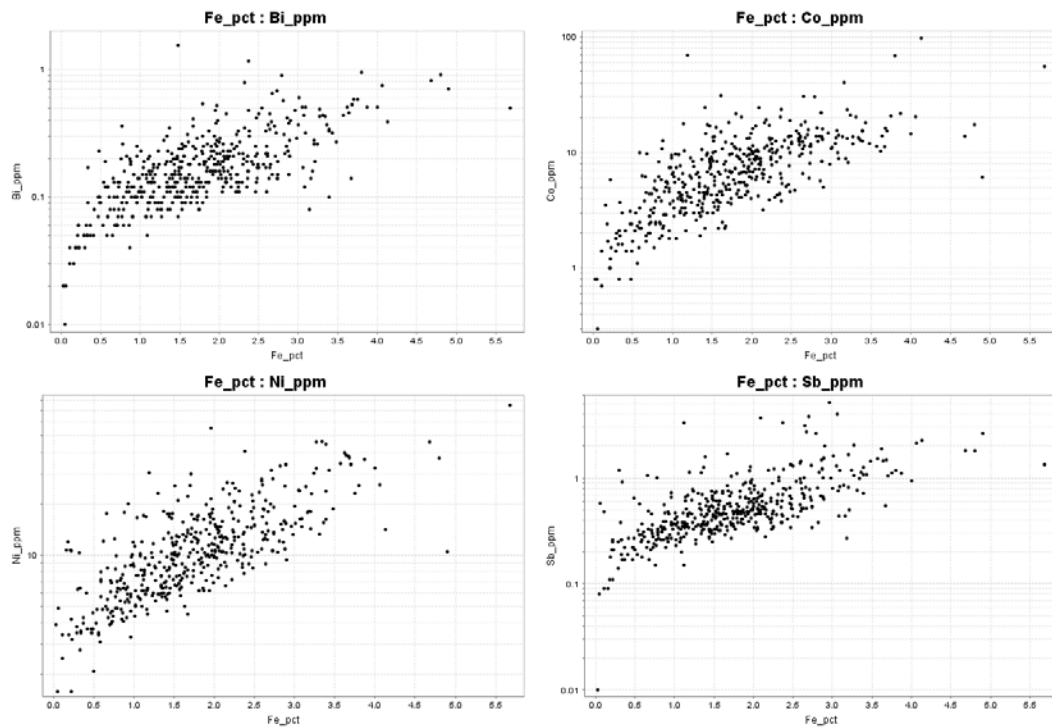


Figure 2 Examples of Fe as a controlling variable for selected trace elements.

RESULTS

Figures 3 and 4 show a summary of the results from the Ah and B-Horizon soils superimposed on geology and total magnetic intensity (TMI) layers. Coloured polygons define interpreted bed rock sources and hydromorphic anomalies are shown as a red hatch. For distributions of individual elements, the reader is referred to the Mapinfo Workspace provided by the author.

The most significant features are three coincident Cu-Mo-Bi anomalies (red lines). Two of these (A and B; Fig. 3) closely follow the south and east margin of the Babine porphyry intrusion at the Nak deposit (pink, Fig. 3; black outline, Fig. 4) and the third (C) lies about 300 metres to the south. All three anomalies coincide with prominent magnetic highs that appear to define the extent of the Au enriched South Zone mineralization (Fig. 4).

Isolated Mo anomalies (cyan, Figs 3 and 4) are noted. One (D) is present near the centre of the Babine porphyry intrusion and a second (E) within the sedimentary rocks about 1.4 km to the southwest.

Gold anomalies (yellow) occur at six places on the grid. The most significant anomaly (F) overlaps the western half of the largest Cu-Mo-Bi anomaly (A). This feature corresponds with the area of elevated Au mineralization in the Southern Zone. It also coincides with the highest intensity part of the magnetic anomaly. Two anomalies (G and H) occur within the basalt unit to the south of the porphyry intrusion. Anomaly G is an elongated feature trending parallel to the topographic contours to the south east of the porphyry intrusion. It coincides with a moderate intensity magnetic anomaly. Anomaly H lies due south of the intrusion and immediately west of Cu-Mo-Bi anomaly C.

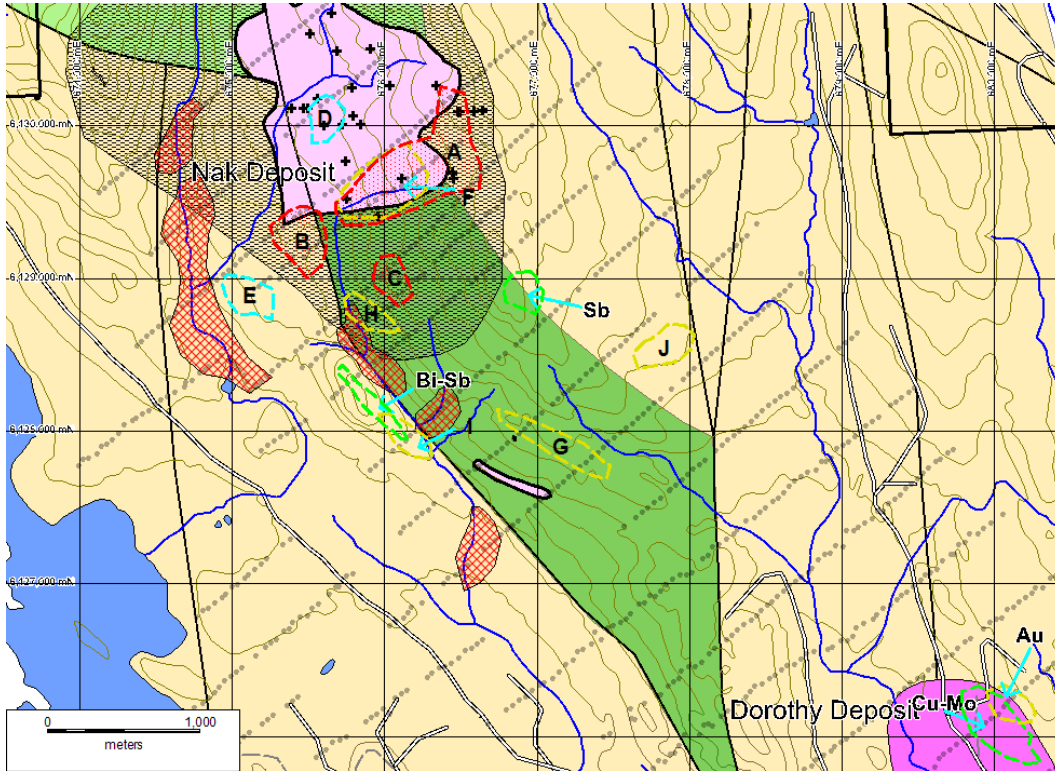


Figure 3 Summary of Results for Ah and B Horizon soils over geology

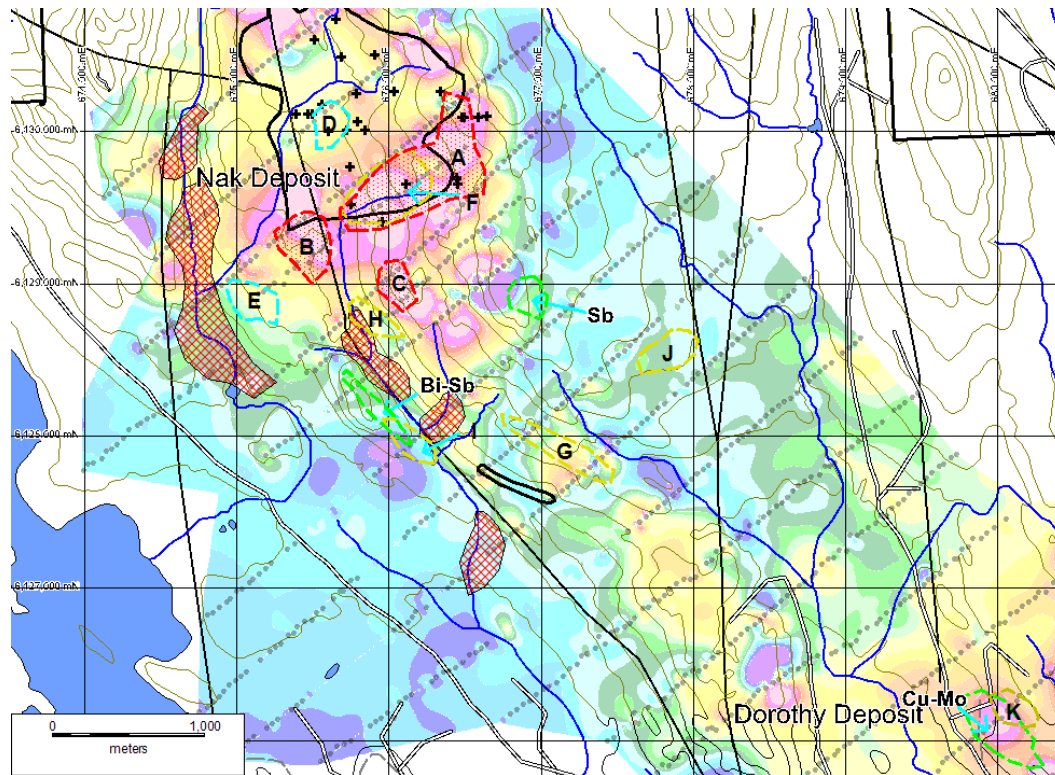


Figure 4 Summary of Results for Ah and B Horizon soils over TMI

Two other Au anomalies occur in the sedimentary rocks. Anomaly I is another elongated feature located at the southeast end of a linear ridge. This anomaly is a little south and east of an area where gold values have been discovered in quartz-arsenopyrite veins in black graphitic shales in the southern part of the Nak deposit. The gold anomaly overlaps a Bi-Sb anomaly that follows the ridge crest. Anomaly J is an isolated Au anomaly in the sedimentary unit to the east of the basalt. This area has no corresponding geophysical expression.

The sixth Au anomaly (K) occurs outside of the 2010 Ah soil grid in the vicinity of the Dorothy Deposit. This feature overlaps a Cu-Mo anomaly.

Hydromorphic Anomalies

Several hydromorphic anomalies (red hatch; Figs 3 and 4) are present on the grid. They are defined by a variety of mobile elements including: Cd, Co, Cu, Zn, Mn and Fe. These features follow breaks in slope (i.e. seepages) and drainage channels where metal bearing ground waters emerge at the surface. They can be regarded as transported anomalies derived from up the hydrological gradient. Metals are derived from supergene processes within the Nak Deposit where oxidation of sulphide minerals releases metals into the ground water.

Most of these anomalies can be related to the Nak Deposit itself, however the southernmost one appears to have a separate source derived from the vicinity of Au anomaly G. As mentioned above, this area also coincides with a moderate strength magnetic anomaly. It also falls within an area of relatively high resistivity values.

CONCLUSIONS

Results of the 2010 Ah soil geochemistry have confirmed anomalies produced by the 2007-08 B horizon soil survey. The most anomalous areas lie around the southern and eastern margin of the Babine porphyry intrusion at Nak. Cu-Mo-Bi anomalies faithfully outline the Southern Zone and the corresponding magnetic high. No significant new anomalies are defined by these results although there are several areas that warrant further investigation. These however are likely to represent relatively small satellite targets around the edges of the porphyry and associated hornfels zone. In order of priority they are:

- a) The area of Cu-Mo-Bi anomaly C and Au anomaly H. This area lies within the basalt unit and the hornfels envelope around the intrusion and corresponds with the northwest end of a linear, southeast trending magnetic anomaly with amplitudes similar to the Southern zone. The target also lies in an area of moderate chargeability suggesting the presence of sulphides.
- b) Molybdenum anomaly E. This is a single element anomaly located within the sedimentary rocks southwest of the porphyry intrusion. This feature also corresponds with an area of moderate chargeability and lies upslope from a large hydromorphic anomaly. These characteristics suggest that sulphides are likely present in this area.
- c) Gold anomaly I. This is an apparent southeast extension of known quartz-arsenopyrite mineralization in graphitic shales. The associated Bi-Sb anomaly and a hydromorphic copper anomaly in the drainage to the north make this an interesting target.

- d) Gold anomaly G. This southeast elongated gold anomaly coincides with a moderate intensity magnetic high. A Ag-Cu-Cd-Co-Mn hydromorphic anomaly in the drainage below (southwest) suggests the presence of sulphide mineralization, however chargeability values in this area are low. The target coincides with a zone of moderate resistivity values that likely represent unaltered or propylitized basalt.

RECOMMENDATIONS

The four areas mentioned above should be ground truthed to confirm the presence of sulphides and favourable hydrothermal alteration. If outcrops are present, reconnaissance chip sampling should be carried out to identify the style of mineralization present and to pin point the source of the metal anomalies detected by the soil geochemistry. Areas for follow-up are show as blue boxes in Figure 5.

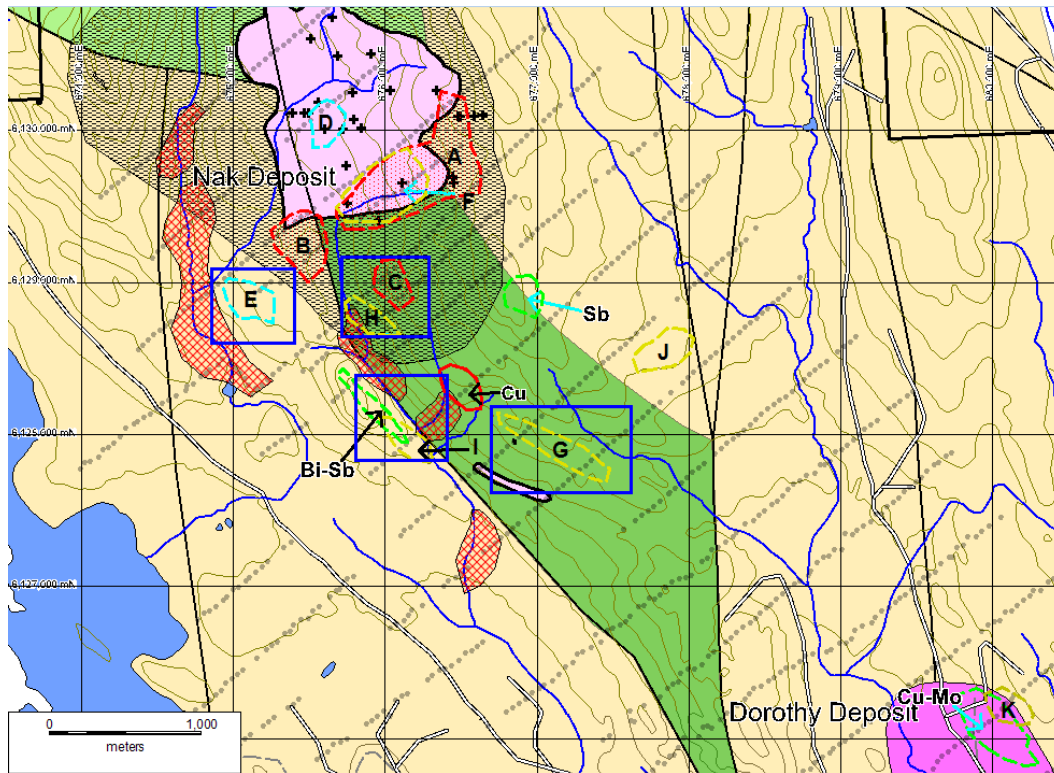


Figure 5 Targets for follow-up (blue squares).

Respectfully submitted by:

Dave Heberlein M.Sc. P.Geol.

December 28th, 2010

Appendix III

Soil Geochemistry Assay Procedures and Results



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Copper Ridge Exploration Inc.

11th Floor - 888 Dunsmuir Street
Vancouver BC V6C 3K4 Canada

Submitted By: Greg Dawson

Receiving Lab: Canada-Smithers

Received: October 14, 2010

Report Date: November 29, 2010

Page: 1 of 9

CERTIFICATE OF ANALYSIS

SMI10000708A.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 213

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: Copper Ridge Exploration Inc.
11th Floor - 888 Dunsmuir Street
Vancouver BC V6C 3K4
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS10	212	Sieve samples to 10 mesh			SMI
Soil Pulverize	212	Soil Pulverize			VAN
1F06	193	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

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.



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
129101	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129102	Soil	0.89	15.74	8.62	140.8	524	8.3	6.8	2057	1.44	3.4	0.1	1.8	0.1	102.3	5.04	0.32	0.13	29	1.02
129103	Soil	0.95	13.94	6.93	123.2	447	10.2	8.8	3349	1.47	2.9	<0.1	0.3	<0.1	124.7	4.19	0.32	0.11	25	1.51
129104	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129105	Soil	1.10	13.84	6.20	254.2	331	10.1	7.4	3789	0.98	3.2	<0.1	0.3	<0.1	114.9	3.72	0.33	0.11	16	1.49
129106	Soil	1.67	13.37	6.71	51.6	596	8.0	5.5	1057	1.13	3.7	<0.1	0.7	0.1	101.6	2.01	0.36	0.15	24	1.16
129107	Soil	1.39	13.91	6.70	96.0	452	5.5	5.0	2234	0.92	1.9	<0.1	<0.2	<0.1	107.5	2.62	0.25	0.15	18	1.28
129108	Soil	0.84	8.12	8.82	53.6	184	6.2	5.2	881	1.94	4.4	0.1	0.3	<0.1	36.5	1.02	0.48	0.20	39	0.39
129109	Soil	0.79	14.73	6.44	116.7	242	6.3	3.8	1824	1.17	4.4	<0.1	1.1	<0.1	20.5	1.06	0.44	0.17	21	0.38
129110	Soil	0.70	7.80	8.51	57.7	425	4.5	2.3	675	1.67	3.5	<0.1	0.4	<0.1	19.7	0.88	0.57	0.25	34	0.28
129111	Soil	0.98	13.63	6.22	70.8	657	3.7	3.1	664	0.47	2.7	<0.1	0.8	<0.1	82.8	0.99	0.22	0.10	10	0.91
129112	Soil	0.82	9.33	7.02	112.4	119	5.5	4.4	2255	1.41	4.0	<0.1	0.6	<0.1	37.9	0.86	0.45	0.14	26	0.67
129113	Soil	0.72	11.51	5.70	84.8	350	6.4	4.7	633	0.80	3.6	<0.1	<0.2	<0.1	173.0	2.17	0.27	0.16	13	1.39
129114	Soil	0.92	12.43	9.02	93.1	230	9.7	6.0	1824	2.00	10.9	0.1	39.3	<0.1	22.8	0.60	0.58	0.27	33	0.34
129115	Soil	18.84	112.6	11.31	110.4	1546	44.4	12.6	3640	3.39	22.4	0.6	1.1	0.6	502.7	2.45	1.27	0.33	48	2.13
129116	Soil	15.09	24.47	2.49	37.8	150	6.4	2.1	738	0.33	1.6	<0.1	2.0	<0.1	569.1	1.33	0.26	0.05	5	2.78
129117	Soil	0.58	10.92	3.65	62.0	177	3.6	3.7	905	0.34	1.8	<0.1	0.6	<0.1	146.0	1.90	0.17	0.09	6	2.11
129118	Soil	0.89	23.09	7.00	153.5	536	6.3	8.3	2580	0.83	3.4	<0.1	0.3	<0.1	63.9	6.02	0.35	0.11	16	0.90
129119	Soil	1.03	28.73	7.80	191.4	1174	13.5	9.5	3076	1.43	10.8	0.2	0.4	<0.1	69.6	6.48	0.50	0.18	25	1.01
129120	Soil	0.88	9.91	7.10	75.0	297	6.6	5.2	699	1.53	10.8	<0.1	0.9	<0.1	54.0	1.10	0.74	0.19	31	0.81
129121	Soil	1.18	15.37	8.70	170.9	636	8.9	9.5	4219	0.99	6.3	<0.1	7.1	<0.1	72.8	3.41	0.37	0.14	15	0.95
129122	Soil	0.93	12.73	6.02	37.8	447	5.4	3.0	329	1.27	5.3	0.1	<0.2	<0.1	54.9	1.05	0.35	0.08	25	0.46
129123	Soil	0.98	12.83	7.78	55.1	266	6.3	3.8	1469	1.57	12.5	0.1	0.4	<0.1	31.6	0.47	0.61	0.25	33	0.31
129124	Soil	4.22	17.07	7.24	53.2	377	6.6	3.8	1015	1.34	10.0	0.1	0.6	<0.1	61.3	0.79	0.50	0.19	30	0.85
129125	Soil	1.13	24.66	9.18	50.7	1119	12.7	9.8	1125	1.75	9.4	0.4	<0.2	0.2	77.5	1.05	0.46	0.18	30	0.75
129126	Soil	0.89	27.93	8.50	76.4	995	11.3	6.7	186	1.01	7.0	0.3	0.6	<0.1	96.1	3.61	0.47	0.23	19	0.87
129127	Soil	0.85	13.90	8.90	59.3	233	9.8	3.6	902	0.97	5.8	0.1	<0.2	<0.1	55.8	2.93	0.36	0.14	19	0.55
129128	Soil	1.25	12.51	7.84	63.0	207	8.7	4.3	908	1.92	7.9	0.1	0.6	<0.1	35.9	1.00	0.48	0.15	40	0.32
129129	Soil	0.86	9.61	6.10	50.8	584	6.4	3.0	139	1.17	6.4	<0.1	0.4	0.1	29.5	0.62	0.46	0.11	21	0.30
129130	Soil	2.33	12.67	6.72	44.9	256	5.8	2.2	100	1.58	6.4	0.1	2.0	0.2	40.9	0.47	0.46	0.13	39	0.43

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.



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
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Page: 2 of 9 Part 2

CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
129101	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129102	Soil	0.082	3.2	8.7	0.14	287.8	0.014	5	0.57	0.017	0.07	<0.1	1.1	0.05	0.08	83	0.1	0.02	2.6	0.35	<0.1
129103	Soil	0.105	2.6	8.3	0.16	395.2	0.009	6	0.40	0.013	0.09	<0.1	0.3	0.04	0.07	86	0.2	<0.02	2.3	0.36	<0.1
129104	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129105	Soil	0.113	1.8	6.3	0.13	339.0	0.013	11	0.38	0.017	0.12	<0.1	0.5	0.07	0.10	155	0.2	<0.02	1.6	0.42	<0.1
129106	Soil	0.082	2.7	7.1	0.12	225.5	0.017	7	0.31	0.020	0.11	<0.1	0.8	0.03	0.09	100	0.4	0.04	2.0	0.31	<0.1
129107	Soil	0.114	2.6	7.4	0.11	281.7	0.013	7	0.31	0.022	0.12	<0.1	0.2	0.04	0.09	93	0.2	0.02	1.7	0.31	<0.1
129108	Soil	0.065	3.5	10.8	0.11	177.6	0.017	2	0.47	0.013	0.06	<0.1	0.7	0.04	0.03	44	0.1	0.03	3.6	0.52	<0.1
129109	Soil	0.140	2.3	8.5	0.11	141.5	0.015	5	0.52	0.019	0.12	0.1	0.6	0.06	0.07	131	0.3	0.02	2.3	0.52	<0.1
129110	Soil	0.053	3.7	8.7	0.04	184.0	0.017	2	0.35	0.011	0.05	<0.1	0.5	0.03	0.03	62	0.1	0.03	2.8	0.45	<0.1
129111	Soil	0.081	1.3	3.5	0.05	213.8	0.004	3	0.20	0.014	0.05	<0.1	0.1	0.05	0.11	94	0.2	<0.02	0.9	0.35	<0.1
129112	Soil	0.128	2.4	7.8	0.13	137.2	0.020	5	0.59	0.017	0.12	<0.1	0.7	0.05	0.07	119	0.3	0.02	2.9	0.44	<0.1
129113	Soil	0.103	1.4	6.2	0.17	201.9	0.012	7	0.33	0.024	0.10	<0.1	0.6	<0.02	0.14	104	0.2	<0.02	1.4	0.33	<0.1
129114	Soil	0.127	2.9	13.3	0.15	132.0	0.018	3	0.88	0.015	0.09	<0.1	0.9	0.06	0.06	81	0.4	0.04	3.6	0.71	<0.1
129115	Soil	0.177	28.9	21.9	0.32	326.4	0.006	3	2.31	0.014	0.10	<0.1	6.9	0.21	0.08	162	0.5	0.11	5.3	0.66	0.1
129116	Soil	0.088	1.9	3.2	0.12	102.0	0.005	11	0.21	0.013	0.07	<0.1	0.8	0.03	0.19	106	0.5	0.04	0.5	0.16	<0.1
129117	Soil	0.103	0.8	2.7	0.16	156.0	0.006	16	0.17	0.014	0.16	<0.1	0.4	<0.02	0.16	137	0.2	0.02	0.6	0.18	<0.1
129118	Soil	0.095	2.1	5.2	0.08	352.5	0.011	6	0.29	0.015	0.09	<0.1	0.4	0.10	0.09	140	0.2	0.06	1.4	0.42	<0.1
129119	Soil	0.093	4.9	9.2	0.14	338.1	0.007	3	0.62	0.014	0.07	<0.1	0.7	0.07	0.08	157	0.3	0.04	2.6	0.45	<0.1
129120	Soil	0.078	2.2	9.1	0.12	104.6	0.014	4	0.37	0.011	0.09	<0.1	0.8	<0.02	0.07	75	0.1	0.05	2.6	0.30	<0.1
129121	Soil	0.123	2.2	6.2	0.13	334.5	0.013	5	0.46	0.012	0.09	<0.1	0.8	0.09	0.08	132	0.4	0.02	1.6	0.42	<0.1
129122	Soil	0.067	3.1	7.9	0.06	187.9	0.007	3	0.38	0.012	0.05	<0.1	0.5	0.04	0.05	80	0.2	<0.02	2.0	0.43	<0.1
129123	Soil	0.079	3.5	9.9	0.09	190.4	0.010	2	0.52	0.009	0.07	<0.1	0.6	0.05	0.03	64	0.2	0.04	3.0	0.29	<0.1
129124	Soil	0.073	3.0	8.1	0.10	199.7	0.013	4	0.42	0.010	0.08	<0.1	0.8	0.07	0.08	118	0.2	0.02	2.4	0.32	<0.1
129125	Soil	0.094	17.8	10.7	0.16	253.2	0.010	1	0.96	0.011	0.07	<0.1	2.8	0.08	0.06	72	0.4	0.05	3.0	0.52	<0.1
129126	Soil	0.088	12.7	8.3	0.08	315.8	0.010	1	0.50	0.013	0.08	<0.1	1.5	0.03	0.06	83	0.3	0.04	2.1	0.45	<0.1
129127	Soil	0.093	3.7	6.6	0.06	324.6	0.003	3	0.40	0.011	0.06	<0.1	0.2	0.03	0.06	93	0.2	0.03	1.9	0.27	<0.1
129128	Soil	0.073	3.2	11.0	0.10	223.7	0.006	<1	0.68	0.009	0.06	<0.1	0.3	0.03	0.02	71	0.2	0.03	3.2	0.26	<0.1
129129	Soil	0.085	1.4	7.2	0.09	114.1	0.010	2	0.54	0.010	0.05	<0.1	0.9	0.02	0.07	164	0.3	0.02	1.8	0.19	<0.1
129130	Soil	0.050	2.2	9.5	0.06	124.8	0.012	2	0.44	0.010	0.04	<0.1	1.2	0.03	0.06	148	0.2	0.04	3.0	0.26	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Copper Ridge Exploration Inc.
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
Report Date: November 29, 2010

Page: 2 of 9 **Part** 3

CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	Analyte	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	2	
129101	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129102	Soil	<0.02	0.53	2.8	0.4	<0.05	0.5	2.00	9.0	<0.02	<1	0.2	2.7	<10	<2
129103	Soil	<0.02	0.54	4.9	0.3	<0.05	0.1	1.39	5.4	<0.02	<1	<0.1	2.2	<10	<2
129104	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129105	Soil	<0.02	0.24	5.3	0.2	<0.05	0.7	0.99	4.4	<0.02	<1	0.2	1.4	<10	<2
129106	Soil	<0.02	0.50	4.4	0.4	<0.05	0.3	1.42	5.6	<0.02	<1	<0.1	1.2	<10	<2
129107	Soil	<0.02	0.35	3.2	0.3	<0.05	<0.1	0.85	5.2	<0.02	<1	<0.1	1.3	<10	<2
129108	Soil	<0.02	0.46	5.1	0.4	<0.05	0.3	1.23	7.6	<0.02	<1	<0.1	1.8	<10	<2
129109	Soil	<0.02	0.52	3.8	0.3	<0.05	0.1	0.83	5.0	<0.02	<1	<0.1	2.2	<10	<2
129110	Soil	<0.02	0.77	2.6	0.5	<0.05	0.2	0.84	7.5	<0.02	<1	0.1	0.6	<10	<2
129111	Soil	<0.02	0.15	1.3	0.2	<0.05	0.1	0.54	2.7	<0.02	<1	<0.1	0.3	<10	<2
129112	Soil	<0.02	0.87	4.3	0.4	<0.05	0.8	0.96	5.2	<0.02	<1	<0.1	2.6	<10	<2
129113	Soil	<0.02	0.32	3.6	0.2	<0.05	0.4	1.03	3.2	<0.02	<1	0.1	1.9	<10	<2
129114	Soil	<0.02	1.07	5.0	0.5	<0.05	0.2	1.06	6.5	<0.02	<1	0.2	5.1	<10	<2
129115	Soil	0.05	1.01	6.6	0.4	<0.05	1.9	36.25	39.1	0.05	2	0.8	8.5	<10	<2
129116	Soil	0.02	0.13	2.6	0.1	<0.05	0.8	3.83	2.2	<0.02	2	<0.1	1.0	<10	<2
129117	Soil	<0.02	0.13	3.8	<0.1	<0.05	0.2	0.48	1.4	<0.02	<1	<0.1	0.8	<10	<2
129118	Soil	<0.02	0.23	5.0	0.3	<0.05	<0.1	0.81	4.5	<0.02	<1	0.1	0.6	<10	<2
129119	Soil	<0.02	0.38	6.7	0.3	<0.05	0.1	3.91	12.5	<0.02	<1	0.2	2.1	<10	<2
129120	Soil	<0.02	0.59	3.8	0.3	<0.05	0.3	0.77	4.3	<0.02	<1	<0.1	1.6	<10	<2
129121	Soil	<0.02	0.33	5.2	0.2	<0.05	0.2	1.26	4.8	<0.02	<1	0.2	1.9	<10	<2
129122	Soil	<0.02	0.29	3.1	0.3	<0.05	0.1	1.67	5.9	<0.02	<1	0.2	1.0	<10	<2
129123	Soil	<0.02	0.21	3.1	0.3	<0.05	0.1	1.28	7.1	<0.02	<1	0.2	1.2	<10	<2
129124	Soil	<0.02	0.41	6.2	0.3	<0.05	0.1	1.11	5.5	<0.02	<1	0.1	1.4	<10	<2
129125	Soil	<0.02	0.58	4.1	0.3	<0.05	0.3	16.84	31.5	0.02	<1	0.3	3.7	<10	<2
129126	Soil	<0.02	0.35	3.0	0.3	<0.05	0.1	10.01	18.9	0.02	<1	0.3	1.1	<10	<2
129127	Soil	<0.02	0.20	2.8	0.2	<0.05	<0.1	1.68	6.7	<0.02	<1	<0.1	0.7	<10	<2
129128	Soil	<0.02	0.14	5.6	0.3	<0.05	<0.1	1.37	6.7	0.02	<1	0.2	1.6	<10	<2
129129	Soil	<0.02	0.46	2.2	0.2	<0.05	0.6	0.65	3.0	<0.02	<1	<0.1	2.5	<10	<2
129130	Soil	<0.02	0.51	1.9	0.4	<0.05	0.4	0.96	4.6	<0.02	<1	0.1	1.2	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
129131	Soil	4.53	21.54	6.95	132.5	839	5.9	3.5	316	1.32	2.9	0.1	3.6	<0.1	46.2	0.87	0.57	0.15	34	0.65	
129132	Soil	6.49	22.87	8.16	101.2	210	7.5	4.5	554	1.34	4.3	0.1	0.9	0.1	84.7	1.53	0.45	0.13	27	1.30	
129133	Soil	15.52	188.4	5.84	81.7	353	21.4	7.6	765	1.96	7.1	3.4	4.7	0.3	114.7	1.10	0.92	0.16	32	1.71	
129134	Soil	1.50	24.05	7.54	42.9	556	7.6	3.9	193	1.11	4.4	0.1	0.7	<0.1	44.0	1.40	0.47	0.16	24	0.53	
129135	Soil	2.06	25.26	7.76	72.1	1120	8.7	7.4	516	0.96	3.0	0.2	0.5	0.2	65.5	3.08	0.38	0.10	18	0.61	
129136	Soil	16.30	32.12	7.26	50.0	325	10.1	5.2	767	1.92	7.0	0.4	3.3	0.2	86.1	0.48	0.53	0.16	38	1.05	
129137	Soil	4.44	56.35	7.83	46.8	1086	12.6	6.8	532	2.01	7.6	0.4	2.4	0.3	98.9	1.51	0.64	0.22	39	0.96	
129138	Soil	2.04	18.90	7.16	80.7	748	5.0	2.8	214	1.02	0.8	<0.1	0.4	<0.1	45.3	2.35	0.23	0.11	23	0.61	
129139	Soil	1.69	15.27	8.90	67.8	593	5.9	2.9	378	1.15	1.3	0.1	0.4	<0.1	16.2	2.04	0.30	0.13	27	0.23	
129140	Soil	2.12	18.41	9.70	72.3	680	6.0	3.7	1027	1.24	1.4	0.1	1.7	<0.1	25.6	1.48	0.33	0.12	28	0.24	
129141	Soil	2.66	21.96	8.55	67.0	354	8.5	3.0	293	1.44	1.9	0.1	1.8	<0.1	32.2	1.41	0.28	0.12	38	0.38	
129142	Soil	5.90	35.05	4.56	23.9	539	7.5	2.2	82	1.66	0.9	0.4	3.3	0.6	29.5	0.38	0.35	0.14	52	0.27	
129143	Soil	4.47	16.10	4.84	28.8	623	3.5	0.8	71	0.48	<0.1	0.2	214.6	0.2	16.2	0.43	0.22	0.23	16	0.21	
129144	Soil	1.92	11.76	7.17	60.6	792	5.1	3.3	1252	1.02	2.0	<0.1	1.0	<0.1	27.8	0.87	0.36	0.10	21	0.35	
129145	Soil	8.25	72.20	6.51	43.4	313	8.9	6.5	797	1.60	4.1	0.7	16.0	0.8	144.7	0.40	0.45	0.31	34	1.25	
129146	Soil	15.18	30.68	9.17	56.3	291	9.8	5.3	291	2.46	10.2	0.4	0.9	0.1	28.0	0.13	0.58	0.11	50	0.17	
129147	Soil	10.44	17.90	11.26	53.7	309	6.6	3.2	190	2.14	5.6	0.2	0.5	<0.1	37.0	0.48	0.53	0.15	65	0.18	
129148	Soil	2.26	17.67	9.97	170.2	551	13.6	9.1	2863	2.24	6.6	0.2	0.3	0.1	85.0	0.91	0.46	0.12	41	1.14	
129149	Soil	3.79	27.95	10.71	56.0	1006	9.6	8.8	1138	2.03	5.8	0.3	0.4	<0.1	90.0	0.51	0.38	0.14	51	0.80	
129150	Soil	2.02	25.20	13.23	133.4	568	14.9	11.9	2512	2.50	18.9	0.2	1.8	0.1	93.9	2.52	1.30	0.45	40	0.91	
129152	Soil	1.76	37.99	13.72	150.7	1423	17.8	40.2	3547	3.16	5.6	0.4	2.4	0.2	37.0	1.04	0.44	0.14	54	0.22	
129153	Soil	1.60	25.28	11.78	146.1	548	13.3	20.4	9196	2.36	3.4	0.2	0.3	<0.1	25.6	5.27	0.45	0.14	38	0.11	
129154	Soil	0.81	12.87	5.92	42.3	1160	6.2	3.0	79	1.10	2.4	<0.1	0.6	<0.1	51.6	1.24	0.38	0.08	27	0.37	
129155	Soil	1.46	15.19	10.13	107.2	236	9.9	8.1	1037	2.00	3.9	0.1	<0.2	<0.1	51.8	3.42	0.54	0.16	35	0.72	
129156	Soil	1.70	36.76	16.41	195.2	460	13.0	24.6	5282	2.09	17.3	<0.1	<0.2	<0.1	116.1	5.45	3.67	0.45	25	1.48	
129157	Soil	1.23	28.10	10.32	481.9	631	17.5	17.5	7611	1.44	2.5	<0.1	0.4	0.1	123.3	8.93	0.53	0.15	18	1.51	
129158	Soil	1.28	21.60	9.70	184.4	339	14.0	12.3	4522	1.67	1.7	0.1	0.3	0.1	76.9	3.35	0.32	0.11	25	0.71	
129159	Soil	0.96	7.48	3.81	73.1	305	3.2	1.5	523	0.23	0.8	<0.1	1.1	<0.1	48.2	1.12	0.21	0.04	4	0.63	
129160	Soil	1.24	17.98	13.17	273.5	313	11.5	12.6	5581	1.52	3.3	0.1	<0.2	<0.1	101.7	8.60	0.49	0.11	24	1.16	
129161	Soil	1.41	28.45	15.25	167.1	654	10.2	9.6	3400	1.08	1.2	0.1	<0.2	<0.1	53.4	9.33	0.27	0.15	19	0.42	

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
129131	Soil	0.066	1.9	8.9	0.07	266.1	0.018	3	0.27	0.007	0.12	<0.1	0.8	0.02	0.06	146	0.2	0.02	2.1	0.32	<0.1
129132	Soil	0.078	1.8	8.3	0.15	271.8	0.017	5	0.35	0.010	0.20	<0.1	0.9	0.04	0.10	190	0.1	0.05	2.2	0.39	<0.1
129133	Soil	0.136	12.9	14.0	0.33	179.4	0.008	3	1.04	0.015	0.07	<0.1	2.9	0.14	0.18	134	1.6	0.05	2.8	0.74	<0.1
129134	Soil	0.070	11.6	8.9	0.09	249.9	0.010	3	0.37	0.009	0.10	<0.1	0.7	0.02	0.06	108	0.2	0.02	2.0	0.27	<0.1
129135	Soil	0.102	4.8	7.2	0.10	266.4	0.013	3	0.48	0.011	0.09	<0.1	1.4	0.10	0.10	173	0.9	<0.02	2.0	0.68	<0.1
129136	Soil	0.064	3.1	12.1	0.17	180.0	0.014	4	0.72	0.012	0.06	<0.1	1.9	0.08	0.10	251	0.2	0.04	3.1	0.53	<0.1
129137	Soil	0.075	14.9	14.7	0.23	153.5	0.022	5	1.08	0.015	0.09	0.1	3.3	0.08	0.08	50	0.4	0.02	4.1	0.98	<0.1
129138	Soil	0.074	2.9	7.2	0.07	352.3	0.014	3	0.32	0.013	0.07	<0.1	0.6	0.05	0.05	104	0.3	<0.02	2.3	0.46	<0.1
129139	Soil	0.104	3.3	8.5	0.06	181.2	0.005	5	0.43	0.010	0.11	<0.1	0.3	0.04	0.04	82	0.4	0.03	2.9	0.33	<0.1
129140	Soil	0.092	3.1	8.9	0.07	343.0	0.015	2	0.48	0.013	0.08	<0.1	0.9	0.08	0.05	86	0.2	0.02	2.7	0.37	<0.1
129141	Soil	0.060	1.9	19.6	0.08	270.2	0.027	1	0.25	0.012	0.07	<0.1	0.7	0.04	0.04	80	0.2	0.03	1.8	0.94	<0.1
129142	Soil	0.038	3.2	26.0	0.09	91.1	0.030	2	0.23	0.008	0.04	0.2	0.9	<0.02	0.04	76	0.2	0.03	2.5	0.73	<0.1
129143	Soil	0.047	2.0	12.3	0.04	193.6	0.016	2	0.12	0.013	0.04	0.1	0.6	<0.02	0.04	108	0.1	<0.02	0.6	0.27	<0.1
129144	Soil	0.109	2.1	9.0	0.09	188.1	0.015	3	0.38	0.012	0.10	<0.1	0.8	0.12	0.06	172	0.4	<0.02	1.9	0.74	<0.1
129145	Soil	0.063	8.6	15.7	0.19	186.7	0.027	3	0.54	0.006	0.05	<0.1	1.8	0.07	0.07	189	0.3	<0.02	3.2	0.56	<0.1
129146	Soil	0.072	4.0	14.2	0.16	83.5	0.018	2	0.92	0.010	0.04	<0.1	1.6	0.04	0.09	108	0.2	0.05	3.9	0.89	<0.1
129147	Soil	0.048	4.2	12.0	0.07	149.3	0.021	5	0.61	0.009	0.06	<0.1	1.2	0.02	0.03	78	0.2	0.04	5.0	0.60	<0.1
129148	Soil	0.088	3.5	14.3	0.28	427.5	0.020	6	0.91	0.011	0.09	<0.1	1.6	0.11	0.08	256	0.4	0.07	3.7	0.67	<0.1
129149	Soil	0.078	6.6	14.3	0.17	145.9	0.009	2	1.00	0.012	0.06	<0.1	1.4	0.07	0.06	153	0.2	0.02	5.0	0.79	<0.1
129150	Soil	0.084	5.2	16.4	0.30	368.2	0.024	4	0.91	0.010	0.09	<0.1	1.7	0.06	0.07	112	0.3	0.07	4.0	0.76	<0.1
129152	Soil	0.097	9.6	19.4	0.21	332.4	0.007	2	1.75	0.011	0.08	<0.1	2.7	0.21	0.03	87	0.4	0.04	6.5	1.17	<0.1
129153	Soil	0.099	8.7	12.5	0.09	616.8	0.014	2	0.87	0.009	0.08	<0.1	1.2	0.15	0.03	96	0.2	0.04	4.3	0.86	<0.1
129154	Soil	0.054	2.8	7.8	0.05	277.0	0.009	4	0.37	0.015	0.03	<0.1	0.8	0.02	0.06	234	0.2	<0.02	2.2	0.43	<0.1
129155	Soil	0.084	4.2	12.5	0.12	287.2	0.023	3	0.61	0.010	0.05	<0.1	1.3	0.04	0.04	79	<0.1	0.03	3.9	0.70	<0.1
129156	Soil	0.173	10.3	9.4	0.23	670.2	0.012	7	0.91	0.010	0.12	0.2	1.4	0.07	0.07	104	0.3	0.04	3.7	0.96	<0.1
129157	Soil	0.209	4.5	8.4	0.13	867.8	0.025	6	0.47	0.013	0.15	<0.1	1.3	0.05	0.06	102	<0.1	<0.02	2.4	0.69	<0.1
129158	Soil	0.098	4.7	10.2	0.11	555.5	0.021	4	0.52	0.010	0.07	<0.1	1.3	0.05	0.04	71	0.2	0.03	2.7	0.69	<0.1
129159	Soil	0.146	0.7	4.0	0.09	106.4	0.006	5	0.17	0.014	0.14	<0.1	0.5	<0.02	0.10	171	<0.1	<0.02	0.4	0.19	<0.1
129160	Soil	0.113	4.5	9.3	0.12	736.3	0.017	4	0.55	0.010	0.11	<0.1	1.1	0.08	0.04	99	0.2	0.04	2.8	0.47	<0.1
129161	Soil	0.071	4.2	7.3	0.05	624.1	0.017	4	0.35	0.012	0.07	0.1	0.9	0.07	0.04	108	<0.1	<0.02	2.1	0.39	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

Page: 3 of 9 Part 3

CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	
129131	Soil	<0.02	0.63	4.1	0.3	<0.05	0.4	0.77	4.0	<0.02	<1	<0.1	0.5	<10	<2
129132	Soil	<0.02	0.58	7.4	0.4	<0.05	0.5	0.91	4.1	<0.02	<1	<0.1	1.3	<10	<2
129133	Soil	0.03	0.47	10.0	0.2	<0.05	1.5	19.93	15.7	<0.02	14	0.3	6.0	<10	<2
129134	Soil	<0.02	0.37	2.6	0.3	<0.05	0.2	2.27	16.7	<0.02	<1	<0.1	1.0	<10	<2
129135	Soil	<0.02	0.52	6.5	0.2	<0.05	0.6	3.18	8.7	<0.02	<1	0.2	1.3	<10	<2
129136	Soil	<0.02	0.70	3.4	0.3	<0.05	0.7	1.63	8.4	<0.02	<1	0.2	3.9	<10	<2
129137	Soil	<0.02	0.89	11.4	0.4	<0.05	0.5	14.53	14.6	0.02	2	0.4	6.3	<10	<2
129138	Soil	<0.02	0.53	5.7	0.4	<0.05	0.2	1.08	5.2	<0.02	<1	<0.1	0.7	<10	<2
129139	Soil	<0.02	0.31	6.3	0.4	<0.05	<0.1	1.06	6.2	<0.02	<1	<0.1	0.5	<10	<2
129140	Soil	<0.02	0.44	5.3	0.5	<0.05	0.1	1.27	5.9	<0.02	1	0.2	0.8	<10	<2
129141	Soil	<0.02	0.64	7.4	0.3	<0.05	0.3	0.72	3.7	<0.02	<1	<0.1	0.9	<10	<2
129142	Soil	<0.02	0.92	5.4	0.4	<0.05	0.2	0.74	5.6	<0.02	<1	0.1	1.1	<10	<2
129143	Soil	<0.02	0.39	4.0	0.2	<0.05	0.2	0.45	3.4	<0.02	<1	<0.1	0.3	<10	<2
129144	Soil	<0.02	0.41	15.8	0.3	<0.05	0.1	0.81	4.0	<0.02	<1	<0.1	1.3	<10	<2
129145	Soil	<0.02	0.91	6.7	0.3	<0.05	0.5	6.87	14.2	<0.02	<1	0.1	2.2	<10	<2
129146	Soil	<0.02	0.74	7.8	0.4	<0.05	0.4	2.03	9.7	<0.02	1	<0.1	3.3	<10	<2
129147	Soil	<0.02	0.98	4.3	0.6	<0.05	0.3	1.23	7.7	0.02	<1	0.2	1.6	<10	<2
129148	Soil	<0.02	0.57	10.8	0.4	<0.05	0.2	1.80	7.5	0.03	<1	0.3	5.9	<10	<2
129149	Soil	<0.02	0.57	7.1	0.5	<0.05	<0.1	5.11	10.7	<0.02	1	<0.1	2.9	<10	<2
129150	Soil	<0.02	0.86	11.6	0.4	<0.05	0.3	2.32	11.1	0.03	<1	0.4	5.4	<10	<2
129152	Soil	<0.02	0.60	15.1	0.7	<0.05	0.1	5.83	24.7	0.04	<1	0.6	4.7	<10	<2
129153	Soil	<0.02	0.36	8.7	0.5	<0.05	0.1	4.78	26.6	<0.02	<1	0.2	2.2	<10	<2
129154	Soil	<0.02	0.43	2.5	0.3	<0.05	0.2	0.76	5.1	<0.02	2	0.2	0.8	<10	<2
129155	Soil	<0.02	0.73	6.3	0.5	<0.05	0.3	1.45	8.6	<0.02	<1	0.3	2.0	<10	<2
129156	Soil	<0.02	0.45	7.5	0.4	<0.05	0.2	6.57	26.6	0.04	1	0.3	5.7	<10	<2
129157	Soil	<0.02	0.53	8.6	0.4	<0.05	0.2	2.00	9.9	<0.02	1	<0.1	1.7	<10	<2
129158	Soil	<0.02	0.56	8.3	0.4	<0.05	0.3	1.72	9.7	<0.02	<1	0.3	1.7	<10	3
129159	Soil	<0.02	0.09	3.0	0.2	<0.05	0.3	0.25	1.2	<0.02	1	<0.1	0.3	<10	<2
129160	Soil	<0.02	0.35	6.4	0.3	<0.05	0.2	1.79	9.7	0.02	<1	<0.1	1.8	<10	<2
129161	Soil	<0.02	0.35	4.8	0.5	<0.05	<0.1	1.24	8.8	<0.02	<1	<0.1	0.7	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

Page: 4 of 9 Part 1

CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
129162	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129163	Soil	1.23	15.45	11.01	71.5	337	7.7	6.6	539	1.13	2.7	<0.1	<0.2	<0.1	53.2	1.85	0.38	0.10	19	0.52	
129164	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129165	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129166	Soil	0.86	69.33	11.74	73.3	878	25.5	13.6	3897	1.51	6.0	0.1	1.4	<0.1	117.0	5.64	0.44	0.19	23	1.77	
129167	Soil	0.95	38.73	9.94	296.7	395	16.9	13.8	5091	1.79	2.6	0.1	2.0	0.3	82.7	8.73	0.50	0.22	30	1.63	
129168	Soil	0.95	20.00	8.39	163.0	548	9.9	6.6	2237	2.36	7.4	0.2	2.0	0.2	59.8	1.55	0.61	0.16	42	0.66	
129169	Soil	0.92	9.73	9.28	91.3	389	4.4	3.8	577	1.01	2.1	<0.1	1.1	<0.1	48.7	1.63	0.41	0.12	18	0.57	
129170	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129171	Soil	1.36	23.42	10.91	351.0	652	9.1	10.6	6412	1.85	5.9	0.2	0.3	<0.1	80.8	1.81	0.41	0.26	30	0.92	
129173	Soil	1.07	11.85	10.03	74.5	395	10.0	9.6	2008	1.97	4.1	0.1	2.9	<0.1	56.8	2.16	0.60	0.22	30	0.66	
129174	Soil	1.32	16.54	9.08	43.1	329	10.8	6.7	792	1.74	4.5	0.1	0.3	<0.1	69.8	2.70	0.49	0.14	32	0.97	
129175	Soil	0.99	10.96	11.26	108.5	146	16.3	11.7	1754	2.93	4.7	0.2	1.6	0.1	59.8	1.07	0.64	0.17	45	0.90	
129176	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129177	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129178	Soil	2.12	128.7	15.31	66.9	1607	22.6	13.8	3443	2.47	14.7	1.3	2.3	0.9	169.4	1.44	1.34	0.42	34	1.76	
129179	Soil	0.89	17.52	7.25	62.6	475	4.1	1.9	234	0.87	3.1	0.2	1.2	<0.1	51.5	1.38	0.34	0.20	18	0.69	
129180	Soil	1.03	15.25	9.73	52.8	659	5.5	1.9	495	0.67	1.8	<0.1	4.1	<0.1	36.6	1.69	0.33	0.10	13	0.57	
129181	Soil	1.47	29.63	11.90	47.6	3117	5.4	4.1	568	0.83	0.8	0.4	1.1	0.1	92.7	4.45	0.35	0.21	20	1.29	
129182	Soil	2.49	18.48	11.40	75.5	941	7.0	4.0	173	1.40	2.0	0.1	1.4	<0.1	24.7	2.64	0.64	0.22	29	0.21	
129184	Soil	0.81	12.52	8.90	66.7	648	6.8	2.2	434	0.88	1.6	0.1	4.0	<0.1	34.0	1.51	0.47	0.18	17	0.36	
129185	Soil	0.95	9.84	7.40	71.3	357	4.7	2.1	427	0.96	1.8	0.1	0.9	<0.1	47.1	0.84	0.73	0.25	16	0.45	
129186	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129187	Soil	1.42	18.57	8.55	87.1	880	6.1	2.4	126	0.71	1.4	<0.1	1.4	<0.1	42.4	1.42	0.46	0.10	12	0.45	
129188	Soil	1.51	9.87	11.59	75.7	255	4.8	1.7	1058	0.67	1.7	<0.1	1.0	<0.1	25.4	1.85	0.49	0.13	13	0.50	
129189	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129190	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129191	Soil	3.97	34.48	14.38	61.0	360	11.9	5.7	172	2.86	8.1	0.3	3.6	<0.1	22.8	1.15	1.47	0.42	54	0.16	
129192	Soil	2.58	16.51	5.93	56.9	193	11.8	7.3	874	1.79	5.3	0.1	1.2	<0.1	56.4	0.40	0.42	0.09	30	0.68	
129193	Soil	0.82	7.49	6.95	45.2	380	3.8	1.4	355	0.29	1.5	<0.1	0.7	<0.1	28.3	0.39	0.25	0.05	6	0.36	

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

Page: 4 of 9 Part 2

CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
129162	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129163	Soil	0.107	2.9	7.9	0.08	351.3	0.012	4	0.39	0.014	0.09	<0.1	0.9	0.03	0.05	115	<0.1	0.03	1.8	0.74	<0.1
129164	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129165	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129166	Soil	0.089	12.5	9.3	0.14	408.3	0.013	3	0.59	0.007	0.13	<0.1	0.8	0.06	0.07	105	0.2	0.04	2.6	0.79	<0.1
129167	Soil	0.079	4.8	10.6	0.10	575.8	0.037	7	0.47	0.009	0.14	<0.1	1.4	0.11	0.04	108	0.3	<0.02	3.3	1.00	<0.1
129168	Soil	0.134	4.2	13.5	0.18	420.0	0.028	4	0.94	0.014	0.08	<0.1	2.4	0.07	0.04	79	0.3	0.03	4.4	0.71	<0.1
129169	Soil	0.105	2.7	6.9	0.09	235.4	0.016	5	0.37	0.012	0.11	<0.1	0.7	0.04	0.07	127	0.4	<0.02	2.2	0.36	<0.1
129170	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129171	Soil	0.110	4.7	12.5	0.08	1093	0.005	2	0.74	0.012	0.05	<0.1	0.4	0.06	0.05	160	0.2	0.04	3.6	0.43	<0.1
129173	Soil	0.098	3.9	12.5	0.19	407.2	0.019	4	0.67	0.009	0.10	<0.1	1.3	0.05	0.04	130	0.3	0.07	3.7	0.77	<0.1
129174	Soil	0.070	3.7	11.2	0.21	235.6	0.015	3	0.59	0.012	0.11	<0.1	0.8	0.05	0.07	125	0.2	0.02	3.3	0.48	<0.1
129175	Soil	0.149	5.5	19.1	0.47	295.4	0.034	4	1.23	0.010	0.15	<0.1	2.4	0.06	0.04	61	<0.1	<0.02	5.2	0.94	<0.1
129176	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129177	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129178	Soil	0.144	103.9	17.4	0.31	528.4	0.005	2	2.63	0.019	0.11	<0.1	8.7	0.25	0.08	165	2.2	0.07	6.5	0.94	0.3
129179	Soil	0.063	4.6	6.8	0.06	175.3	0.009	4	0.37	0.015	0.05	<0.1	0.8	0.02	0.06	146	0.3	0.04	2.1	0.35	<0.1
129180	Soil	0.095	2.0	5.6	0.05	286.1	0.007	2	0.33	0.014	0.09	<0.1	0.3	<0.02	0.06	143	0.3	<0.02	1.4	0.16	<0.1
129181	Soil	0.056	12.6	10.2	0.16	220.2	0.015	1	0.76	0.015	0.05	<0.1	2.1	0.06	0.04	73	0.4	<0.02	3.8	0.31	<0.1
129182	Soil	0.064	3.8	11.4	0.06	177.8	0.024	2	0.43	0.018	0.07	<0.1	0.9	0.04	0.04	78	0.3	0.05	2.9	0.78	<0.1
129184	Soil	0.073	2.9	17.5	0.12	310.1	0.033	<1	0.45	0.021	0.08	<0.1	0.4	0.07	0.05	101	0.3	0.05	1.9	0.51	<0.1
129185	Soil	0.060	3.0	12.1	0.05	390.5	0.011	2	0.44	0.016	0.04	<0.1	0.5	0.03	0.04	128	0.2	0.08	1.8	0.19	<0.1
129186	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129187	Soil	0.073	2.1	7.3	0.04	264.9	0.013	<1	0.38	0.016	0.05	<0.1	0.8	0.02	0.07	124	0.1	<0.02	1.5	0.12	<0.1
129188	Soil	0.112	2.2	7.0	0.05	188.1	0.013	2	0.28	0.021	0.07	<0.1	0.5	0.06	0.07	181	0.4	<0.02	1.5	0.29	<0.1
129189	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129190	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129191	Soil	0.063	5.9	20.7	0.12	165.7	0.022	<1	0.83	0.018	0.06	<0.1	1.2	0.04	0.03	51	0.4	0.10	4.9	0.41	<0.1
129192	Soil	0.100	3.4	13.3	0.24	144.0	0.020	2	0.78	0.026	0.09	<0.1	1.5	0.05	0.09	106	0.3	<0.02	2.9	0.88	<0.1
129193	Soil	0.109	0.9	5.0	0.04	151.7	0.007	<1	0.20	0.024	0.10	<0.1	0.7	0.03	0.09	178	0.2	<0.02	0.6	0.14	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

Page: 4 of 9 Part 3

CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	
129162	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129163	Soil	<0.02	0.34	5.5	0.3	<0.05	0.1	1.18	4.9	<0.02	1	0.3	1.2	<10	<2
129164	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129165	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129166	Soil	<0.02	0.60	11.6	0.3	<0.05	0.2	6.45	23.1	0.03	<1	0.3	2.1	<10	<2
129167	Soil	<0.02	0.94	18.1	0.5	<0.05	0.3	1.36	10.0	<0.02	3	<0.1	1.3	<10	<2
129168	Soil	<0.02	0.50	9.6	0.5	<0.05	0.3	2.15	8.6	0.03	3	0.3	3.1	<10	<2
129169	Soil	<0.02	0.54	7.2	0.3	<0.05	<0.1	0.99	4.9	<0.02	<1	0.2	1.4	<10	<2
129170	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129171	Soil	<0.02	0.28	4.4	0.4	<0.05	<0.1	2.24	10.8	0.02	<1	0.3	2.0	<10	<2
129173	Soil	<0.02	0.41	9.4	0.4	<0.05	0.1	1.69	7.9	<0.02	<1	0.3	3.3	<10	<2
129174	Soil	<0.02	0.53	7.6	0.3	<0.05	0.2	1.66	7.1	<0.02	2	0.2	2.6	<10	<2
129175	Soil	<0.02	0.42	12.5	0.4	<0.05	0.3	3.60	11.9	0.03	<1	0.6	5.2	<10	<2
129176	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129177	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129178	Soil	0.04	1.03	7.8	0.5	<0.05	2.0	97.69	97.4	0.05	<1	1.5	8.0	<10	<2
129179	Soil	<0.02	0.43	3.2	0.3	<0.05	0.2	2.35	8.2	<0.02	<1	0.2	1.1	<10	<2
129180	Soil	<0.02	0.24	4.5	0.2	<0.05	0.1	0.65	3.5	<0.02	<1	<0.1	0.8	<10	<2
129181	Soil	<0.02	1.25	3.6	0.6	<0.05	0.3	12.36	16.8	<0.02	<1	0.4	2.9	<10	<2
129182	Soil	<0.02	0.75	5.5	0.4	<0.05	0.2	1.30	7.2	<0.02	<1	<0.1	0.8	<10	<2
129184	Soil	<0.02	0.71	5.5	0.3	<0.05	0.2	1.34	5.4	<0.02	<1	<0.1	0.8	<10	<2
129185	Soil	<0.02	0.27	2.6	0.4	<0.05	<0.1	1.15	6.1	<0.02	<1	<0.1	0.4	<10	<2
129186	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129187	Soil	<0.02	0.28	3.0	0.4	<0.05	<0.1	0.89	3.9	<0.02	1	0.2	0.3	<10	<2
129188	Soil	<0.02	0.36	3.6	0.4	<0.05	<0.1	0.53	4.1	<0.02	<1	0.1	0.3	<10	<2
129189	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129190	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129191	Soil	<0.02	0.54	4.4	0.6	<0.05	0.2	2.19	11.7	0.02	<1	0.2	1.9	<10	<2
129192	Soil	<0.02	0.60	11.2	0.3	<0.05	0.2	1.69	6.5	0.02	<1	0.2	5.0	<10	<2
129193	Soil	<0.02	0.17	6.2	0.2	<0.05	0.4	0.36	1.7	<0.02	3	0.1	0.5	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

Page: 5 of 9 Part 1

CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
129194	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129195	Soil	10.94	165.5	0.99	25.3	270	4.9	0.3	76	0.06	0.8	0.4	3.1	0.1	152.6	0.43	0.58	0.02	2	2.09	
129196	Soil	10.58	656.5	4.75	45.9	922	17.1	4.0	643	1.12	4.1	3.7	20.8	0.3	250.3	0.65	3.31	0.21	16	3.38	
129197	Soil	10.14	1010	12.23	131.4	2043	34.4	11.3	1768	3.57	9.0	5.5	8.2	1.5	142.5	3.92	1.52	0.44	51	1.55	
129198	Soil	11.77	1479	12.13	139.3	3502	32.2	13.7	4188	3.27	10.0	7.8	7.9	0.6	175.1	3.45	2.04	0.49	39	1.95	
129199	Soil	5.77	81.12	7.36	60.6	1266	10.2	4.3	279	2.32	4.1	0.4	29.7	0.5	48.2	2.42	0.94	0.79	57	0.57	
129200	Soil	6.34	219.8	11.20	145.2	2051	13.5	8.4	4869	1.67	2.6	0.9	13.0	0.1	63.5	6.72	0.85	0.41	31	0.54	
129201	Soil	1.49	10.12	5.61	167.4	495	3.4	1.7	5936	0.19	0.9	<0.1	2.3	<0.1	75.2	1.09	0.18	0.04	<2	1.64	
129202	Soil	0.96	18.31	6.48	58.0	298	14.2	8.6	942	2.04	4.9	0.5	1.2	0.3	98.6	0.79	0.32	0.11	35	0.98	
129203	Soil	1.18	17.75	7.59	57.6	362	9.0	6.6	282	1.84	4.9	0.2	0.8	<0.1	48.0	0.83	0.46	0.11	43	0.39	
129204	Soil	1.16	31.75	11.29	89.0	1788	20.7	10.8	2408	2.25	4.6	0.5	2.8	0.4	88.0	1.13	0.49	0.22	40	0.76	
129205	Soil	0.92	18.77	7.71	67.6	271	12.8	8.4	363	1.56	2.7	0.2	0.4	<0.1	76.5	1.14	0.32	0.14	31	0.60	
129206	Soil	0.97	15.59	10.37	109.8	611	6.5	5.6	875	0.92	1.7	0.1	0.4	<0.1	46.6	1.63	0.27	0.12	18	0.58	
129207	Soil	0.83	17.70	6.12	100.7	392	13.3	5.3	320	1.71	5.7	0.3	<0.2	<0.1	79.0	1.13	0.38	0.13	32	0.75	
129208	Soil	0.80	9.31	7.52	35.6	414	5.5	4.5	810	1.08	3.0	0.2	1.0	<0.1	26.1	0.94	0.33	0.14	24	0.21	
129209	Soil	1.17	13.96	10.16	72.1	448	8.2	3.8	463	1.13	2.7	0.1	0.4	<0.1	57.4	2.48	0.34	0.13	25	0.67	
129210	Soil	1.03	6.51	6.67	70.4	678	3.7	1.4	1002	0.42	1.5	<0.1	1.4	0.1	64.4	0.53	0.27	0.08	9	0.83	
129211	Soil	0.54	7.69	1.82	27.5	432	4.2	1.2	91	0.22	1.1	<0.1	1.3	<0.1	131.9	0.93	0.26	0.06	3	1.99	
129212	Soil	1.52	49.26	13.45	149.4	960	23.4	15.4	6589	2.56	6.4	0.3	0.2	0.4	71.6	2.58	0.43	0.18	51	0.67	
129213	Soil	1.37	13.51	9.27	86.3	161	6.2	6.2	1765	1.02	1.7	<0.1	0.7	<0.1	32.0	2.00	0.26	0.10	21	0.36	
129214	Soil	1.10	9.04	9.03	59.5	316	6.5	4.2	459	1.40	3.4	0.1	1.8	<0.1	51.2	1.28	0.55	0.15	29	0.33	
129215	Soil	0.98	23.32	10.81	90.2	595	16.5	10.0	1281	2.48	9.3	0.3	0.9	0.4	102.5	1.21	0.56	0.17	45	1.11	
129216	Soil	0.89	51.37	8.29	34.8	2484	16.1	5.4	534	1.79	53.0	0.7	1.9	0.7	122.1	0.96	1.10	0.54	28	2.07	
129218	Soil	1.18	35.80	13.50	71.4	1466	17.3	9.6	377	1.72	8.6	0.2	0.5	0.1	85.1	2.82	1.04	0.29	34	0.74	
129219	Soil	0.86	17.50	6.82	65.7	890	7.7	3.8	616	0.86	2.7	<0.1	0.4	<0.1	116.7	2.94	0.39	0.11	16	1.75	
129220	Soil	1.20	58.81	12.46	96.4	1768	33.9	16.0	1792	2.89	9.3	0.8	1.0	0.5	126.1	3.83	0.63	0.28	42	1.56	
129221	Soil	0.96	33.57	9.43	113.9	838	16.8	10.8	2838	2.07	6.8	0.3	0.5	<0.1	78.6	3.56	0.48	0.17	39	0.88	
129222	Soil	1.29	91.02	17.56	114.0	978	32.4	14.5	1633	4.00	18.7	1.0	1.0	0.8	109.0	1.15	0.94	0.51	68	1.25	
129223	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129224	Soil	1.22	39.97	7.64	50.7	1408	15.8	8.0	579	2.10	10.8	0.5	0.8	0.2	109.0	1.02	0.68	0.21	40	1.26	

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

Page: 5 of 9 Part 2

CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
129194	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129195	Soil	0.053	4.6	3.5	0.13	150.1	0.001	5	0.08	0.033	0.04	<0.1	0.7	0.04	0.15	170	0.4	0.03	0.1	0.03	<0.1
129196	Soil	0.140	20.5	10.5	0.32	356.5	0.008	5	0.93	0.034	0.04	<0.1	2.2	0.16	0.20	226	1.4	0.04	1.8	0.72	<0.1
129197	Soil	0.164	49.7	26.9	0.46	510.1	0.005	2	3.08	0.023	0.12	<0.1	12.8	0.29	0.10	136	1.5	0.05	7.2	1.62	0.1
129198	Soil	0.178	105.7	23.6	0.36	667.5	0.011	3	2.36	0.023	0.08	<0.1	8.4	0.40	0.09	149	2.3	0.07	5.6	1.57	0.3
129199	Soil	0.059	5.3	30.1	0.07	264.2	0.027	2	0.41	0.010	0.06	<0.1	1.6	<0.02	0.04	80	0.2	0.11	3.1	0.55	<0.1
129200	Soil	0.104	20.6	21.3	0.10	543.1	0.026	3	0.52	0.017	0.09	0.1	1.6	0.17	0.05	87	0.3	0.03	3.1	1.11	<0.1
129201	Soil	0.138	1.0	4.7	0.11	373.3	0.006	9	0.13	0.015	0.09	<0.1	0.6	0.11	0.14	296	0.3	0.02	0.5	0.48	<0.1
129202	Soil	0.076	11.5	15.6	0.28	199.3	0.010	2	1.23	0.029	0.06	<0.1	3.7	0.05	0.08	139	0.5	<0.02	3.7	0.45	<0.1
129203	Soil	0.058	5.1	13.1	0.11	226.0	0.012	3	0.76	0.013	0.06	<0.1	1.8	0.03	0.04	88	0.1	<0.02	4.1	0.40	<0.1
129204	Soil	0.146	24.2	16.8	0.29	382.0	0.008	5	1.83	0.021	0.11	<0.1	3.9	0.14	0.07	173	0.6	0.08	5.0	0.88	<0.1
129205	Soil	0.085	5.3	12.0	0.16	282.0	0.010	3	0.70	0.013	0.09	<0.1	1.3	0.05	0.06	91	0.3	0.02	3.3	0.34	<0.1
129206	Soil	0.090	4.6	8.7	0.08	352.0	0.010	4	0.46	0.012	0.10	<0.1	0.8	0.04	0.05	157	0.3	<0.02	2.0	0.25	<0.1
129207	Soil	0.121	7.7	13.2	0.23	343.1	0.007	3	1.10	0.019	0.07	<0.1	1.4	0.03	0.06	119	0.3	<0.02	3.5	0.42	<0.1
129208	Soil	0.072	4.7	9.8	0.05	255.7	0.016	4	0.51	0.023	0.06	<0.1	0.9	0.06	0.04	122	0.5	0.03	2.6	0.37	<0.1
129209	Soil	0.075	3.5	9.9	0.11	247.4	0.016	6	0.39	0.016	0.07	0.1	1.0	0.03	0.06	155	0.2	<0.02	2.1	0.41	<0.1
129210	Soil	0.097	1.6	4.7	0.06	270.8	0.010	7	0.18	0.021	0.10	<0.1	0.7	0.04	0.09	289	0.2	0.02	1.0	0.32	<0.1
129211	Soil	0.073	3.9	3.9	0.14	135.0	0.003	5	0.20	0.031	0.06	<0.1	0.9	<0.02	0.15	155	0.7	0.03	0.4	0.07	<0.1
129212	Soil	0.112	11.0	20.0	0.20	650.2	0.013	2	1.56	0.015	0.07	<0.1	4.8	0.09	0.04	106	0.5	0.07	6.0	0.51	<0.1
129213	Soil	0.079	2.9	7.9	0.06	355.3	0.014	3	0.36	0.014	0.07	<0.1	0.6	0.06	0.05	105	0.3	0.03	2.1	0.36	<0.1
129214	Soil	0.117	3.4	11.0	0.15	281.5	0.021	2	0.58	0.015	0.10	<0.1	0.9	0.04	0.05	72	0.6	0.06	3.2	0.44	<0.1
129215	Soil	0.125	9.3	18.6	0.25	309.3	0.009	2	1.40	0.012	0.08	<0.1	3.7	0.07	0.05	474	0.5	0.06	4.8	0.48	<0.1
129216	Soil	0.096	36.2	13.2	0.23	223.6	0.009	5	1.28	0.023	0.08	<0.1	6.9	0.09	0.11	190	1.3	0.07	3.3	0.51	0.1
129218	Soil	0.088	12.9	14.9	0.16	369.8	0.014	2	0.81	0.014	0.08	<0.1	2.0	0.05	0.06	114	0.7	0.07	3.3	0.56	<0.1
129219	Soil	0.092	3.1	7.3	0.12	282.9	0.007	9	0.37	0.010	0.14	<0.1	1.2	0.03	0.11	170	0.3	0.02	1.7	0.28	<0.1
129220	Soil	0.153	31.1	18.0	0.28	365.1	0.008	2	2.21	0.013	0.10	<0.1	6.2	0.09	0.07	146	0.7	0.07	5.5	0.83	<0.1
129221	Soil	0.078	11.7	13.9	0.18	318.6	0.013	2	1.04	0.014	0.06	<0.1	2.1	0.12	0.06	97	0.4	0.05	4.2	0.88	<0.1
129222	Soil	0.111	31.2	27.6	0.46	452.7	0.005	1	2.73	0.015	0.11	<0.1	7.1	0.12	0.04	72	0.6	0.11	8.4	0.93	<0.1
129223	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129224	Soil	0.086	16.8	13.7	0.29	247.1	0.008	2	1.58	0.019	0.05	<0.1	2.8	0.08	0.08	117	0.7	0.06	4.8	0.45	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	Analyte	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	
129194	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129195	Soil	<0.02	0.04	2.3	0.1	<0.05	0.6	6.54	2.2	<0.02	4	<0.1	0.1	<10	<2
129196	Soil	<0.02	0.57	5.9	0.2	<0.05	1.3	26.84	18.4	<0.02	11	0.4	3.7	<10	<2
129197	Soil	0.07	1.26	18.7	0.7	<0.05	2.7	59.29	35.1	0.06	4	1.2	11.6	<10	<2
129198	Soil	<0.02	1.15	13.7	0.5	<0.05	0.7	107.8	73.3	0.06	4	1.5	5.8	<10	<2
129199	Soil	<0.02	1.19	6.7	0.5	<0.05	0.4	1.97	8.7	<0.02	<1	0.1	0.7	<10	<2
129200	Soil	<0.02	0.62	10.4	0.5	<0.05	0.1	10.75	25.8	<0.02	<1	0.2	1.6	<10	<2
129201	Soil	<0.02	0.14	6.5	0.2	<0.05	0.2	0.46	1.5	<0.02	<1	<0.1	0.4	<10	<2
129202	Soil	<0.02	0.94	4.5	0.3	<0.05	1.1	9.15	23.2	<0.02	<1	0.4	6.0	<10	<2
129203	Soil	<0.02	0.48	3.6	0.4	<0.05	0.2	2.25	10.6	<0.02	<1	0.1	2.1	<10	<2
129204	Soil	0.04	0.74	7.2	0.4	<0.05	0.7	19.29	45.3	0.03	<1	0.5	8.1	<10	4
129205	Soil	<0.02	0.53	3.5	0.4	<0.05	0.2	2.98	12.8	<0.02	<1	0.3	2.4	<10	<2
129206	Soil	<0.02	0.38	3.1	0.3	<0.05	0.1	2.57	9.4	<0.02	<1	0.1	1.1	<10	<2
129207	Soil	<0.02	0.53	4.8	0.4	<0.05	0.2	5.40	16.1	<0.02	<1	0.4	4.8	<10	<2
129208	Soil	<0.02	0.33	3.0	0.4	<0.05	0.1	1.81	10.1	<0.02	<1	<0.1	1.1	<10	<2
129209	Soil	<0.02	0.43	2.6	0.5	<0.05	0.4	1.53	6.8	<0.02	<1	0.1	1.1	<10	<2
129210	Soil	0.02	0.25	3.0	0.2	<0.05	0.4	0.52	2.9	<0.02	<1	0.1	0.6	<10	2
129211	Soil	<0.02	0.07	1.0	0.2	<0.05	0.6	5.45	6.0	<0.02	<1	<0.1	0.3	<10	3
129212	Soil	<0.02	0.80	4.9	0.6	<0.05	0.7	14.66	25.0	0.03	<1	0.3	5.3	<10	<2
129213	Soil	<0.02	0.36	3.3	0.4	<0.05	0.1	1.04	5.8	<0.02	<1	0.1	0.9	<10	<2
129214	Soil	<0.02	0.69	4.5	0.4	<0.05	0.5	1.59	6.7	<0.02	<1	0.2	1.6	<10	<2
129215	Soil	<0.02	0.60	5.2	0.5	<0.05	0.8	8.37	22.0	0.04	<1	0.4	6.8	<10	<2
129216	Soil	0.12	0.69	3.4	0.3	<0.05	2.9	52.03	24.1	0.04	<1	0.5	4.9	<10	<2
129218	Soil	<0.02	0.39	4.0	0.4	<0.05	0.2	9.42	14.2	<0.02	<1	0.4	2.3	<10	2
129219	Soil	<0.02	0.25	3.2	0.2	<0.05	0.7	1.77	5.1	<0.02	<1	<0.1	0.9	<10	<2
129220	Soil	0.07	0.96	6.0	0.5	<0.05	1.8	32.42	38.4	0.05	<1	1.1	6.5	<10	<2
129221	Soil	<0.02	0.63	8.5	0.4	<0.05	0.3	8.79	19.6	0.03	<1	0.3	2.9	<10	<2
129222	Soil	0.05	1.02	9.9	0.7	<0.05	1.6	26.61	41.0	0.05	<1	1.3	10.9	<10	<2
129223	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129224	Soil	<0.02	0.87	4.3	0.5	<0.05	0.6	18.28	28.9	0.03	<1	0.4	5.3	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
129225	Soil	1.25	31.57	8.29	46.7	1114	11.4	6.5	1032	1.49	6.7	0.4	2.3	0.3	134.7	1.09	0.62	0.17	32	1.22
129226	Soil	0.85	11.20	5.67	46.2	837	4.0	2.0	386	0.72	1.5	<0.1	1.0	<0.1	35.5	1.50	0.30	0.07	18	0.33
129227	Soil	0.81	10.38	6.28	133.5	695	4.2	2.4	1417	0.85	1.6	<0.1	<0.2	<0.1	57.3	2.27	0.33	0.13	20	0.85
129228	Soil	3.10	10.01	11.07	312.8	159	6.7	6.1	2683	1.34	3.0	0.1	0.5	<0.1	72.3	4.76	0.35	0.12	26	1.17
129229	Soil	1.66	26.48	11.86	140.6	892	13.5	9.1	2100	1.83	5.4	4.9	<0.2	<0.1	90.3	1.20	0.75	0.13	35	1.18
129230	Soil	0.91	17.28	5.63	66.4	220	7.8	4.1	662	1.22	4.5	0.4	1.9	0.1	80.2	0.88	0.46	0.08	25	1.07
129232	Soil	2.46	50.02	7.55	89.9	1681	18.7	13.5	3635	2.61	14.0	1.5	0.6	0.2	137.8	1.67	0.79	0.22	43	2.12
129233	Soil	1.22	11.01	11.62	32.2	1134	3.4	1.1	125	0.56	2.2	0.2	0.7	<0.1	22.4	1.17	0.57	0.19	10	0.21
129234	Soil	1.31	11.55	8.55	77.5	1414	3.7	1.4	933	0.49	1.8	<0.1	2.8	<0.1	22.4	0.65	0.65	0.10	13	0.48
129235	Soil	6.48	69.49	8.96	69.5	326	10.4	4.7	266	2.54	6.3	0.4	31.7	0.2	30.9	1.38	0.93	0.50	64	0.29
129236	Soil	12.25	112.0	6.30	35.8	1446	3.5	1.9	53	0.34	1.3	1.2	7.4	0.2	119.9	0.80	0.92	0.17	6	1.23
129237	Soil	24.74	753.6	6.06	75.1	1387	22.1	7.0	1745	1.67	6.0	5.6	18.7	0.3	211.9	2.26	1.68	0.36	28	2.29
129238	Soil	4.67	29.44	3.95	80.3	445	6.1	2.5	368	0.79	2.6	0.2	1.1	<0.1	101.7	1.98	0.31	0.08	19	1.16
129239	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129240	Soil	6.04	18.62	8.74	98.0	1330	8.6	6.5	2145	1.00	2.0	<0.1	4.4	<0.1	41.2	1.80	0.37	0.11	20	0.65
129241	Soil	14.08	159.1	10.19	97.8	1141	13.6	3.8	68	2.37	1.5	0.8	17.8	1.4	20.0	4.36	3.32	1.16	61	0.17
129242	Soil	20.83	75.65	9.28	120.7	1008	23.8	8.3	1171	2.31	3.8	2.7	1.8	0.4	98.7	2.84	0.70	0.20	37	2.06
129243	Soil	18.48	26.89	5.50	47.6	683	8.1	5.1	406	1.41	1.5	0.4	1.1	<0.1	85.0	1.37	0.36	0.09	34	1.35
129244	Soil	11.14	539.1	6.39	66.6	890	25.7	6.1	350	1.70	2.7	0.6	3.0	0.1	113.4	1.33	0.58	0.11	31	1.62
129245	Soil	5.45	17.43	11.06	69.5	528	8.2	5.1	1747	1.67	2.6	0.1	3.0	<0.1	37.8	0.87	0.42	0.12	29	0.35
129246	Soil	5.67	12.00	6.80	46.4	287	7.6	3.2	166	1.57	3.1	0.1	0.2	<0.1	47.3	0.29	0.45	0.09	36	0.64
129247	Soil	44.84	59.00	3.16	123.1	267	6.3	2.0	898	0.30	<0.1	0.3	<0.2	<0.1	227.3	2.93	1.19	0.04	4	3.19
129248	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129249	Soil	21.10	27.19	10.88	52.2	663	12.6	7.3	2323	1.47	1.9	0.5	<0.2	<0.1	84.8	2.91	0.75	0.10	23	1.56
129250	Soil	14.17	18.88	9.89	68.8	234	12.2	7.8	561	2.25	5.4	0.2	<0.2	<0.1	43.2	0.96	0.49	0.13	46	0.52
129251	Soil	1.16	11.94	7.29	45.9	278	8.8	4.2	176	1.19	6.2	<0.1	0.7	<0.1	41.1	0.94	0.47	0.15	24	0.28
129252	Soil	2.07	72.78	13.75	124.1	1735	34.0	15.4	2590	3.70	16.8	0.4	0.5	0.6	78.4	2.05	1.05	0.58	52	0.86
129253	Soil	0.98	5.41	1.65	24.5	530	3.9	0.8	272	0.03	<0.1	<0.1	1.5	<0.1	95.6	1.49	<0.02	0.02	<2	1.39
129254	Soil	3.66	19.59	8.00	83.9	420	10.2	7.6	2080	1.48	1.3	<0.1	<0.2	<0.1	94.3	2.44	0.25	0.10	24	1.17
129255	Soil	2.61	19.36	5.84	43.9	990	10.6	5.8	1256	0.22	<0.1	<0.1	0.7	<0.1	137.3	2.28	0.11	0.04	2	1.73

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

Page: 6 of 9 Part 2

CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
129225	Soil	0.108	13.7	12.2	0.26	271.9	0.018	3	1.24	0.017	0.08	<0.1	3.1	0.09	0.09	143	0.7	0.03	3.6	0.49	<0.1
129226	Soil	0.076	2.1	7.2	0.08	247.9	0.018	4	0.40	0.019	0.09	<0.1	0.7	0.04	0.08	266	0.5	<0.02	1.7	0.40	<0.1
129227	Soil	0.114	2.3	8.2	0.09	239.3	0.023	4	0.32	0.020	0.07	<0.1	0.9	0.08	0.10	252	0.7	0.05	2.3	0.44	<0.1
129228	Soil	0.117	3.4	9.7	0.20	349.3	0.017	4	0.62	0.016	0.10	<0.1	0.9	0.06	0.09	128	0.4	0.02	3.0	0.71	<0.1
129229	Soil	0.133	25.3	16.1	0.28	239.4	0.014	4	1.92	0.029	0.08	<0.1	2.4	0.15	0.11	142	0.8	<0.02	4.6	1.08	<0.1
129230	Soil	0.100	11.1	10.0	0.20	163.5	0.022	4	0.76	0.022	0.07	0.2	1.7	0.05	0.10	70	0.5	0.04	2.2	0.52	<0.1
129232	Soil	0.147	28.7	16.6	0.33	351.9	0.008	3	1.84	0.022	0.06	<0.1	4.4	0.17	0.13	173	1.2	0.04	5.3	0.69	<0.1
129233	Soil	0.104	3.2	5.7	0.05	110.0	0.013	1	0.38	0.023	0.09	0.6	0.6	0.04	0.08	144	0.4	0.04	1.0	0.22	<0.1
129234	Soil	0.119	2.2	6.6	0.07	117.5	0.016	3	0.28	0.025	0.12	<0.1	0.8	0.24	0.09	148	0.6	<0.02	1.4	0.36	<0.1
129235	Soil	0.056	5.4	22.7	0.16	226.8	0.032	2	0.68	0.012	0.06	<0.1	1.6	0.04	0.03	58	0.3	0.07	4.9	0.68	<0.1
129236	Soil	0.090	7.2	4.2	0.11	401.5	0.009	4	0.15	0.025	0.13	<0.1	1.6	0.07	0.14	453	1.0	0.04	0.7	0.97	<0.1
129237	Soil	0.141	38.1	16.3	0.26	365.0	0.012	3	1.36	0.024	0.07	<0.1	5.5	0.23	0.14	240	1.5	0.03	3.1	2.90	<0.1
129238	Soil	0.084	2.6	6.9	0.07	222.2	0.011	4	0.35	0.023	0.05	<0.1	0.8	0.07	0.14	258	0.4	0.02	1.5	0.69	<0.1
129239	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129240	Soil	0.156	2.4	8.9	0.12	245.8	0.016	3	0.56	0.027	0.15	<0.1	1.2	0.06	0.10	233	0.4	0.06	1.8	0.56	<0.1
129241	Soil	0.031	10.6	31.3	0.04	176.1	0.042	<1	0.45	0.009	0.02	<0.1	1.9	<0.02	0.02	20	0.3	<0.02	3.4	0.62	<0.1
129242	Soil	0.085	13.4	18.2	0.37	303.3	0.015	2	1.45	0.019	0.08	<0.1	4.6	0.06	0.07	110	1.2	0.06	4.4	0.84	<0.1
129243	Soil	0.094	8.4	12.4	0.23	162.7	0.024	3	0.64	0.028	0.08	<0.1	1.4	0.05	0.09	239	0.4	0.03	3.3	0.52	<0.1
129244	Soil	0.080	19.1	12.7	0.25	555.7	0.010	3	1.15	0.018	0.07	<0.1	3.2	0.09	0.11	157	0.7	0.03	3.7	0.77	<0.1
129245	Soil	0.110	4.0	11.4	0.11	257.8	0.012	2	0.60	0.014	0.07	<0.1	0.8	0.11	0.07	179	0.2	0.04	3.3	0.53	<0.1
129246	Soil	0.068	2.8	11.1	0.09	188.9	0.011	3	0.45	0.013	0.06	<0.1	0.8	<0.02	0.08	191	0.3	0.05	2.9	0.33	<0.1
129247	Soil	0.125	1.5	3.9	0.25	166.7	0.005	7	0.18	0.027	0.05	<0.1	0.5	0.05	0.27	186	1.6	0.03	0.5	0.21	<0.1
129248	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129249	Soil	0.142	28.0	9.5	0.25	264.1	0.010	3	1.09	0.023	0.08	<0.1	2.1	0.10	0.11	309	1.1	0.04	2.9	0.64	0.1
129250	Soil	0.064	5.3	13.2	0.10	388.3	0.014	1	0.72	0.013	0.05	<0.1	1.2	0.03	0.04	67	0.3	0.07	4.3	1.13	<0.1
129251	Soil	0.077	2.9	8.6	0.08	138.9	0.013	<1	0.40	0.017	0.05	<0.1	1.0	0.03	0.07	92	0.3	0.04	2.2	0.41	<0.1
129252	Soil	0.133	26.9	25.6	0.40	518.5	0.007	<1	2.20	0.012	0.10	<0.1	6.6	0.07	0.03	92	0.6	0.07	6.8	0.86	<0.1
129253	Soil	0.106	0.6	3.6	0.13	71.6	0.001	8	0.02	0.021	0.15	<0.1	0.6	<0.02	0.15	118	0.5	0.03	<0.1	0.06	<0.1
129254	Soil	0.087	2.8	9.8	0.15	403.3	0.022	3	0.42	0.016	0.12	<0.1	1.1	0.03	0.08	93	0.4	<0.02	2.5	0.42	<0.1
129255	Soil	0.131	1.2	3.5	0.13	169.1	0.004	8	0.11	0.025	0.16	<0.1	0.4	0.03	0.17	176	0.4	<0.02	0.4	0.12	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	Analyte	Unit	MDL	1F30 Hf	1F30 Nb	1F30 Rb	1F30 Sn	1F30 Ta	1F30 Zr	1F30 Y	1F30 Ce	1F30 In	1F30 Re	1F30 Be	1F30 Li	1F30 Pd	1F30 Pt
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppb
129225	Soil			<0.02	0.79	4.8	0.4	<0.05	0.6	12.81	23.5	0.02	<1	0.4	4.9	<10	<2
129226	Soil			<0.02	0.49	4.4	0.3	<0.05	0.3	0.75	4.1	<0.02	<1	<0.1	1.0	<10	<2
129227	Soil			<0.02	0.60	3.7	0.3	<0.05	0.3	0.63	4.2	<0.02	<1	0.1	0.7	<10	<2
129228	Soil			<0.02	0.59	9.9	0.4	<0.05	0.2	1.23	6.7	<0.02	<1	0.2	3.2	<10	<2
129229	Soil			<0.02	0.65	9.0	0.4	<0.05	0.1	30.36	36.1	0.03	<1	0.5	7.9	<10	<2
129230	Soil			<0.02	0.50	6.8	0.5	<0.05	0.5	9.70	19.0	<0.02	<1	0.3	3.3	<10	<2
129232	Soil			0.03	0.75	5.8	0.4	<0.05	0.6	40.50	35.4	0.05	<1	0.6	5.9	<10	<2
129233	Soil			<0.02	0.42	5.5	0.5	<0.05	<0.1	1.19	5.7	<0.02	<1	<0.1	0.4	<10	<2
129234	Soil			<0.02	0.40	5.2	0.3	<0.05	0.2	0.64	3.6	<0.02	<1	<0.1	0.6	<10	<2
129235	Soil			<0.02	1.06	9.9	0.6	<0.05	0.5	2.17	10.4	<0.02	<1	0.1	2.5	<10	<2
129236	Soil			<0.02	0.22	9.2	0.1	<0.05	0.4	4.96	7.6	<0.02	<1	<0.1	0.3	<10	<2
129237	Soil			<0.02	0.65	15.5	0.3	<0.05	0.4	37.05	26.5	<0.02	4	0.4	6.1	<10	<2
129238	Soil			<0.02	0.43	5.3	0.2	<0.05	0.4	1.40	3.6	<0.02	<1	<0.1	0.9	<10	<2
129239	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129240	Soil			<0.02	0.24	8.6	0.2	<0.05	<0.1	1.00	5.4	<0.02	1	0.1	1.1	<10	<2
129241	Soil			<0.02	1.55	4.1	0.6	<0.05	0.5	3.22	18.5	<0.02	1	0.2	0.6	<10	<2
129242	Soil			0.03	0.95	11.1	0.4	<0.05	1.3	11.56	16.6	0.02	10	0.4	5.6	<10	<2
129243	Soil			<0.02	1.21	8.8	0.6	<0.05	0.7	5.79	9.6	<0.02	2	<0.1	2.8	<10	<2
129244	Soil			<0.02	0.79	11.0	0.4	<0.05	0.7	24.33	17.5	<0.02	4	0.2	5.0	<10	<2
129245	Soil			<0.02	0.41	7.2	0.4	<0.05	0.1	1.62	7.6	<0.02	<1	0.2	2.5	<10	<2
129246	Soil			<0.02	0.64	4.6	0.3	<0.05	0.3	1.15	5.3	<0.02	3	0.1	1.5	<10	<2
129247	Soil			0.02	0.14	4.1	0.2	<0.05	0.7	1.72	2.0	<0.02	40	<0.1	0.8	<10	<2
129248	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129249	Soil			<0.02	0.40	8.1	0.4	<0.05	0.3	25.43	37.4	<0.02	3	0.2	4.9	<10	2
129250	Soil			<0.02	0.74	11.8	0.5	<0.05	0.2	2.81	10.2	<0.02	1	0.2	2.8	<10	<2
129251	Soil			<0.02	0.43	6.5	0.2	<0.05	0.5	1.11	5.4	<0.02	<1	0.1	1.4	<10	<2
129252	Soil			0.04	0.64	9.8	0.6	<0.05	1.3	25.71	35.2	0.05	<1	0.7	7.4	<10	<2
129253	Soil			<0.02	0.02	6.6	<0.1	<0.05	0.2	0.35	0.5	<0.02	4	<0.1	<0.1	<10	<2
129254	Soil			<0.02	0.59	8.4	0.4	<0.05	0.5	1.01	5.8	<0.02	3	0.1	1.9	<10	<2
129255	Soil			<0.02	0.09	4.6	<0.1	<0.05	0.2	0.78	1.5	<0.02	1	<0.1	0.5	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method Analyte	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Unit	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
MDL	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
129257	Soil	1.60	12.23	7.56	35.6	152	6.2	4.3	451	1.12	0.9	<0.1	0.7	<0.1	37.4	0.38	0.28	0.16	22	0.39
129258	Soil	2.66	17.99	9.12	107.6	252	12.6	7.8	4283	2.11	4.7	0.2	1.5	0.1	45.5	1.75	0.54	0.20	42	0.56
129259	Soil	2.58	10.36	7.62	61.9	132	5.3	5.4	1380	0.94	<0.1	<0.1	0.5	<0.1	44.5	0.52	0.29	0.10	18	0.46
129260	Soil	1.14	15.44	9.33	50.5	515	8.6	2.9	218	0.89	<0.1	0.1	<0.2	<0.1	30.8	0.42	0.22	0.10	15	0.33
129261	Soil	4.86	33.05	10.22	79.4	393	13.6	5.8	656	1.77	1.4	0.2	0.7	<0.1	37.6	2.52	0.33	0.13	37	0.68
129262	Soil	2.93	13.56	8.72	66.8	333	6.4	2.8	720	1.36	1.9	0.1	0.3	<0.1	30.8	0.35	0.37	0.12	29	0.39
129263	Soil	2.27	22.13	10.03	121.7	917	10.3	8.3	3162	1.88	3.0	0.1	8.4	<0.1	37.5	1.83	0.47	0.16	34	0.45
129264	Soil	1.50	29.48	6.54	69.9	574	7.2	3.3	2063	1.12	<0.1	<0.1	5.4	<0.1	25.5	0.87	0.15	0.09	25	0.59
129265	Soil	4.74	20.58	6.92	84.4	203	5.9	2.9	552	0.92	1.0	0.1	2.0	0.2	37.1	0.48	0.48	0.15	17	0.54
129266	Soil	4.14	14.16	7.56	69.8	220	7.3	2.5	661	0.84	<0.1	<0.1	<0.2	<0.1	26.5	0.63	0.31	0.12	16	0.45
129267	Soil	7.78	36.86	9.53	57.6	542	8.8	4.5	547	1.18	0.3	0.1	0.5	<0.1	39.5	0.53	0.34	0.13	23	0.43
129268	Soil	3.74	20.80	11.79	75.9	1420	8.3	4.9	242	0.77	<0.1	<0.1	0.7	<0.1	48.2	2.35	0.23	0.09	14	0.47
129269	Soil	1.58	13.59	7.06	75.7	661	8.4	4.8	1451	1.27	1.2	<0.1	0.2	<0.1	35.9	0.51	0.24	0.07	22	0.43
129270	Soil	14.89	46.68	11.84	49.9	1073	8.9	9.1	1749	1.49	3.1	0.3	1.6	<0.1	69.0	1.53	0.45	0.16	32	1.11
129271	Soil	4.45	4439	6.32	48.9	817	30.5	69.2	529	1.19	0.9	6.2	2.9	0.6	118.4	1.08	1.14	0.09	17	2.40
129272	Soil	3.27	63.90	11.60	129.0	685	23.9	13.5	1565	3.06	7.4	0.2	2.0	0.1	40.0	1.62	4.00	0.17	72	0.66
129273	Soil	3.33	33.93	10.84	78.5	897	20.5	11.9	1951	2.25	4.1	0.2	0.5	<0.1	61.8	1.26	0.35	0.11	43	0.84
129274	Soil	1.94	18.02	7.36	108.5	1030	8.2	4.5	665	1.09	0.5	<0.1	<0.2	<0.1	57.0	3.49	0.20	0.05	19	0.87
129275	Soil	7.52	27.82	14.67	94.0	661	11.4	6.7	311	1.93	2.4	0.2	3.0	0.2	40.2	2.22	0.46	0.23	43	0.44
129276	Soil	4.91	15.93	12.83	92.0	606	8.7	3.7	3344	1.52	3.6	0.1	1.5	<0.1	50.3	0.70	0.42	0.17	32	0.62
129277	Soil	6.35	33.07	14.44	133.2	545	15.1	9.8	2956	2.01	4.7	0.2	0.8	0.1	41.0	2.58	0.78	0.18	42	0.53
129278	Soil	1.53	30.31	9.06	36.4	400	5.7	1.8	168	1.05	2.0	0.1	1.6	<0.1	27.0	0.60	0.34	0.19	27	0.23
129279	Soil	1.27	9.91	7.52	28.8	342	3.5	2.3	115	0.56	1.5	<0.1	0.6	<0.1	48.9	0.26	0.29	0.12	14	0.37
129280	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129301	Soil	1.55	79.57	11.16	51.7	3385	24.7	10.0	1625	2.26	14.5	1.1	2.0	0.3	152.0	2.02	1.22	0.27	37	1.87
129302	Soil	1.23	21.50	9.73	137.6	394	9.8	4.6	159	1.94	7.5	0.2	0.4	0.2	70.1	4.17	0.64	0.30	42	0.67
129303	Soil	2.64	109.3	13.71	164.1	2322	45.8	13.8	1065	4.68	46.6	0.6	2.9	1.4	146.3	4.44	1.81	0.82	68	1.32
129304	Soil	1.45	61.95	14.75	83.8	1044	28.0	11.3	1016	2.73	32.3	0.7	1.2	0.6	143.0	4.07	1.31	0.68	46	1.40
129305	Soil	1.21	20.10	10.67	73.0	444	9.8	4.8	905	1.68	6.9	0.2	0.4	0.1	73.8	1.58	0.76	0.20	35	0.78
129306	Soil	1.70	58.24	14.68	208.5	1145	15.6	15.1	7478	1.61	6.2	0.3	0.2	<0.1	92.8	4.82	0.72	0.27	27	0.90

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
129257	Soil	0.088	3.0	9.1	0.08	201.2	0.010	<1	0.53	0.015	0.08	<0.1	0.5	0.04	0.06	110	0.3	<0.02	2.7	0.47	<0.1
129258	Soil	0.082	4.6	15.3	0.16	306.2	0.023	1	0.74	0.013	0.10	<0.1	1.7	0.05	0.04	85	0.4	<0.02	4.1	0.55	<0.1
129259	Soil	0.127	2.5	8.0	0.09	179.2	0.022	<1	0.41	0.023	0.10	<0.1	1.0	0.05	0.08	116	0.5	0.05	1.9	0.46	<0.1
129260	Soil	0.111	2.6	14.9	0.06	310.9	0.013	<1	0.63	0.024	0.09	<0.1	0.5	0.03	0.05	149	0.6	0.02	1.9	0.76	<0.1
129261	Soil	0.100	3.9	12.3	0.09	300.5	0.022	2	0.50	0.015	0.09	<0.1	1.3	<0.02	0.06	87	0.5	0.03	3.4	0.51	<0.1
129262	Soil	0.100	3.2	10.1	0.07	254.2	0.009	2	0.50	0.014	0.08	<0.1	0.4	0.04	0.05	132	0.3	<0.02	2.9	0.31	<0.1
129263	Soil	0.135	3.7	13.8	0.10	379.5	0.017	2	0.70	0.015	0.08	<0.1	1.0	0.06	0.05	189	0.4	0.07	3.7	0.44	<0.1
129264	Soil	0.155	1.4	13.5	0.16	136.4	0.040	2	0.37	0.016	0.14	<0.1	1.0	0.05	0.09	180	0.6	<0.02	2.1	0.34	<0.1
129265	Soil	0.125	2.2	9.2	0.10	143.7	0.014	4	0.45	0.020	0.11	0.1	1.1	0.03	0.10	143	0.5	0.07	1.6	0.34	<0.1
129266	Soil	0.138	2.5	10.3	0.07	154.3	0.011	2	0.43	0.017	0.11	<0.1	0.6	0.05	0.07	161	0.5	0.04	2.0	0.51	<0.1
129267	Soil	0.123	3.5	13.6	0.08	373.8	0.019	1	0.48	0.022	0.10	<0.1	1.1	0.07	0.06	138	0.5	0.04	2.4	0.79	<0.1
129268	Soil	0.148	2.5	8.4	0.06	354.7	0.008	2	0.36	0.024	0.10	<0.1	0.4	0.04	0.07	179	0.4	<0.02	1.6	0.36	<0.1
129269	Soil	0.194	2.1	10.9	0.14	137.8	0.019	1	0.50	0.015	0.25	<0.1	1.4	0.17	0.08	312	0.4	<0.02	2.4	0.58	<0.1
129270	Soil	0.114	5.9	11.0	0.13	454.3	0.012	3	0.52	0.013	0.13	<0.1	1.0	0.11	0.08	191	0.4	0.03	3.1	1.08	<0.1
129271	Soil	0.122	202.7	11.5	0.23	244.8	0.005	4	1.20	0.030	0.09	0.8	9.0	0.40	0.15	208	8.2	0.08	3.5	4.95	0.7
129272	Soil	0.125	5.0	44.9	0.72	254.8	0.057	2	1.53	0.029	0.16	<0.1	4.6	0.22	0.07	108	0.5	0.04	5.9	1.70	<0.1
129273	Soil	0.085	4.4	14.0	0.16	263.3	0.018	2	0.67	0.008	0.11	<0.1	1.5	0.09	0.09	107	0.3	0.05	3.8	0.77	<0.1
129274	Soil	0.109	2.3	8.8	0.13	243.6	0.016	4	0.46	0.021	0.07	<0.1	1.2	0.05	0.10	198	0.6	0.02	1.8	0.63	<0.1
129275	Soil	0.080	5.0	15.0	0.11	435.2	0.028	5	0.57	0.015	0.09	<0.1	1.2	0.08	0.05	122	0.2	<0.02	3.9	0.73	<0.1
129276	Soil	0.098	4.2	11.1	0.10	388.9	0.008	4	0.56	0.017	0.08	<0.1	0.3	0.20	0.06	190	0.3	<0.02	3.6	0.44	<0.1
129277	Soil	0.070	3.9	13.3	0.15	534.7	0.018	4	0.75	0.017	0.08	<0.1	1.5	0.10	0.06	153	0.3	0.02	3.7	1.09	<0.1
129278	Soil	0.072	3.6	9.4	0.05	280.1	0.013	4	0.38	0.024	0.05	<0.1	0.3	0.16	0.08	841	0.3	<0.02	2.9	0.93	<0.1
129279	Soil	0.087	1.1	4.3	0.07	202.9	0.015	2	0.26	0.025	0.09	<0.1	0.9	0.05	0.13	380	0.5	<0.02	1.1	0.48	<0.1
129280	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129301	Soil	0.101	36.5	19.0	0.32	348.8	0.011	4	1.88	0.015	0.10	<0.1	5.7	0.14	0.11	229	0.8	0.04	4.0	0.84	<0.1
129302	Soil	0.051	5.2	14.1	0.07	358.5	0.023	3	0.43	0.014	0.04	<0.1	1.2	0.02	0.05	63	0.2	0.05	3.2	0.29	<0.1
129303	Soil	0.121	18.8	34.7	0.53	519.2	0.003	2	3.51	0.019	0.13	<0.1	10.1	0.20	0.07	100	0.6	0.14	8.5	1.42	<0.1
129304	Soil	0.084	32.2	22.1	0.33	452.4	0.014	5	1.58	0.018	0.12	0.1	5.3	0.13	0.07	94	0.5	0.07	4.8	1.41	<0.1
129305	Soil	0.084	5.9	11.9	0.12	212.2	0.019	5	0.54	0.016	0.11	<0.1	1.4	0.05	0.07	122	0.3	0.03	3.1	0.55	<0.1
129306	Soil	0.152	8.6	13.5	0.12	703.7	0.011	5	0.73	0.025	0.11	<0.1	0.6	0.22	0.10	131	0.5	0.04	3.4	0.89	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppb	ppb	
MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	
129257	Soil	<0.02	0.42	5.4	0.3	<0.05	0.1	0.95	5.6	<0.02	2	0.1	1.4	<10	<2
129258	Soil	<0.02	0.60	11.8	0.3	<0.05	0.2	1.62	8.7	<0.02	2	0.2	3.2	<10	<2
129259	Soil	<0.02	0.47	8.5	0.3	<0.05	<0.1	0.96	4.7	<0.02	3	<0.1	1.3	<10	<2
129260	Soil	<0.02	0.35	7.9	0.3	<0.05	0.2	0.89	4.5	<0.02	4	0.2	0.7	<10	<2
129261	Soil	<0.02	0.87	8.0	0.5	<0.05	0.4	1.37	7.1	<0.02	2	0.1	1.1	<10	<2
129262	Soil	<0.02	0.38	5.1	0.3	<0.05	<0.1	0.94	6.1	<0.02	1	0.1	1.1	<10	<2
129263	Soil	<0.02	0.49	5.4	0.4	<0.05	0.1	1.26	7.2	<0.02	<1	0.1	1.6	<10	<2
129264	Soil	<0.02	0.60	7.8	0.3	<0.05	0.2	0.75	2.3	<0.02	<1	<0.1	1.4	<10	<2
129265	Soil	0.02	0.47	7.4	0.2	<0.05	0.3	0.92	4.3	<0.02	1	<0.1	1.7	<10	3
129266	Soil	<0.02	0.31	7.0	0.3	<0.05	<0.1	0.74	4.7	<0.02	1	0.2	0.8	<10	<2
129267	Soil	<0.02	0.38	7.0	0.3	<0.05	<0.1	1.30	6.7	<0.02	<1	<0.1	1.3	<10	<2
129268	Soil	<0.02	0.27	6.8	0.3	<0.05	<0.1	0.84	4.3	<0.02	2	0.2	0.9	<10	<2
129269	Soil	<0.02	0.39	15.5	0.4	<0.05	0.1	0.96	4.2	<0.02	2	<0.1	2.1	<10	<2
129270	Soil	<0.02	0.74	12.9	0.4	<0.05	0.1	2.81	10.4	<0.02	1	0.2	2.2	<10	<2
129271	Soil	0.05	0.29	11.4	0.3	<0.05	1.9	249.9	48.2	<0.02	16	1.8	5.9	<10	<2
129272	Soil	<0.02	1.40	21.8	0.6	<0.05	0.4	2.11	9.7	<0.02	2	0.4	8.4	<10	<2
129273	Soil	<0.02	0.69	16.3	0.4	<0.05	0.3	1.84	8.1	<0.02	1	0.2	2.1	<10	<2
129274	Soil	<0.02	0.33	8.5	0.2	<0.05	0.2	1.31	4.7	<0.02	3	0.2	1.9	<10	3
129275	Soil	<0.02	0.96	5.7	0.7	<0.05	0.4	1.26	9.6	0.04	<1	0.3	2.1	<10	<2
129276	Soil	<0.02	0.25	5.2	0.5	<0.05	<0.1	1.27	7.6	<0.02	<1	0.2	1.7	<10	<2
129277	Soil	<0.02	0.60	13.2	0.6	<0.05	0.3	1.36	7.7	0.03	<1	0.2	2.6	<10	<2
129278	Soil	<0.02	0.34	5.2	0.5	<0.05	<0.1	0.74	6.4	<0.02	<1	<0.1	0.7	<10	<2
129279	Soil	<0.02	0.19	5.6	0.3	<0.05	0.2	0.35	1.9	<0.02	<1	<0.1	0.9	<10	<2
129280	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129301	Soil	<0.02	0.76	4.5	0.5	<0.05	1.5	41.94	28.1	0.04	2	0.9	7.8	<10	<2
129302	Soil	<0.02	0.99	2.4	0.6	<0.05	0.5	1.34	9.0	<0.02	<1	0.2	0.9	<10	<2
129303	Soil	0.12	1.07	11.6	0.8	<0.05	4.4	23.61	32.5	0.08	5	0.7	10.8	<10	<2
129304	Soil	<0.02	0.72	13.6	0.5	<0.05	0.9	27.50	27.3	0.04	<1	0.6	7.0	<10	<2
129305	Soil	<0.02	0.61	6.5	0.4	<0.05	0.3	2.03	9.3	<0.02	<1	0.2	1.9	<10	<2
129306	Soil	<0.02	0.27	9.4	0.5	<0.05	<0.1	4.60	20.9	<0.02	<1	0.4	2.0	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
129307	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129308	Soil	4.45	30.09	9.71	58.8	440	10.3	3.7	100	1.70	8.1	0.2	0.7	0.1	57.1	1.28	0.68	0.24	37	0.59	
129309	Soil	1.24	53.41	9.54	90.5	1142	16.6	9.7	3045	1.04	3.8	0.2	0.7	<0.1	103.8	4.35	0.38	0.17	19	1.41	
129310	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129311	Soil	0.87	24.16	7.23	48.3	481	17.6	6.2	1049	0.66	5.5	0.4	0.9	0.1	153.3	2.20	1.06	0.14	9	1.51	
129312	Soil	0.86	17.11	9.15	85.1	269	9.7	9.0	1515	1.23	12.9	0.2	0.9	0.2	112.5	1.88	0.78	0.23	22	1.37	
129313	Soil	0.91	19.27	9.66	56.3	594	12.0	7.7	1601	1.10	5.4	0.2	0.5	<0.1	95.0	1.21	0.38	0.20	22	0.93	
129314	Soil	0.97	27.52	11.23	93.6	1144	17.1	21.7	3309	1.80	7.5	0.4	0.7	<0.1	102.6	1.23	0.46	0.25	27	0.86	
129315	Soil	1.25	23.77	9.28	74.6	809	14.1	7.7	1804	1.90	7.4	0.3	0.4	<0.1	68.3	1.00	0.44	0.23	44	0.54	
129316	Soil	1.62	54.68	9.58	110.1	886	33.3	16.4	3299	2.82	11.9	1.8	1.3	0.6	140.3	1.47	0.38	0.31	47	1.69	
129317	Soil	1.30	9.32	10.93	77.0	176	11.0	5.6	1107	2.21	3.8	0.1	<0.2	0.2	47.7	0.70	0.41	0.11	43	0.40	
129318	Soil	0.79	17.17	8.58	67.2	198	12.0	6.2	1189	1.53	4.9	0.2	0.5	<0.1	96.3	2.01	0.33	0.26	25	0.78	
129319	Soil	1.13	37.61	9.96	48.2	817	16.5	8.3	913	1.47	4.4	0.6	0.5	0.1	127.8	1.20	0.40	0.20	33	1.41	
129320	Soil	2.28	23.63	10.48	51.4	679	5.9	2.6	689	1.30	4.8	0.2	5.1	<0.1	40.5	1.27	0.72	0.28	26	0.52	
129321	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129322	Soil	1.42	14.43	10.14	54.0	158	12.7	6.0	612	2.14	11.8	0.1	1.0	<0.1	31.9	0.49	0.78	0.23	42	0.30	
129323	Soil	1.62	66.92	12.67	135.2	610	17.5	14.6	2239	1.42	9.5	0.2	1.0	0.3	101.9	2.95	0.60	0.20	26	1.11	
129324	Soil	0.91	14.19	12.13	185.9	168	14.7	17.0	2393	2.05	11.5	0.1	0.7	0.1	92.1	2.61	0.65	0.26	35	1.11	
129325	Soil	1.94	15.98	10.17	71.5	276	7.6	5.5	907	1.03	3.2	<0.1	0.6	<0.1	61.2	1.10	0.43	0.15	22	0.64	
129326	Soil	1.31	8.79	4.86	57.5	355	2.5	0.7	1513	0.11	0.5	<0.1	0.4	<0.1	27.1	0.39	0.48	0.04	<2	0.49	
129327	Soil	0.84	15.78	9.20	35.9	1106	4.8	1.8	276	0.84	3.2	0.2	0.4	<0.1	32.1	0.54	0.31	0.12	24	0.32	
129328	Soil	5.25	33.47	6.46	87.4	286	23.1	6.5	2801	1.30	3.0	0.4	2.0	0.2	127.8	0.76	0.36	0.10	18	1.90	
129329	Soil	1.99	16.90	5.55	73.1	768	9.9	5.9	2410	1.08	2.9	0.1	<0.2	<0.1	53.4	0.22	0.27	0.07	26	0.97	
129330	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129331	Soil	0.91	11.14	7.99	54.2	376	5.3	2.3	1336	0.89	1.8	<0.1	<0.2	<0.1	41.9	0.34	0.39	0.12	17	0.69	
129351	Soil	1.20	14.46	11.39	74.7	573	8.1	4.0	576	1.74	4.9	0.2	<0.2	<0.1	39.3	0.81	0.42	0.13	35	0.51	
129352	Soil	0.52	7.02	5.66	47.4	248	2.8	0.8	332	0.33	0.9	<0.1	<0.2	<0.1	20.0	0.43	0.19	0.05	7	0.30	
129353	Soil	0.92	12.57	11.91	49.4	181	8.9	5.1	499	2.43	4.6	0.2	<0.2	<0.1	17.5	0.24	0.41	0.18	58	0.15	
129354	Soil	0.45	6.08	3.78	42.9	370	1.6	0.8	391	0.05	<0.1	<0.1	<0.2	<0.1	23.2	0.34	0.08	<0.02	<2	0.28	
129355	Soil	1.39	178.8	14.76	132.2	1199	36.2	21.8	4102	3.87	12.0	0.5	6.4	0.9	73.9	1.49	1.11	0.51	63	0.98	

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

Page: 8 of 9 Part 2

CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
129307	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129308	Soil	0.064	4.7	12.1	0.08	220.9	0.019	3	0.49	0.014	0.07	<0.1	1.2	0.03	0.06	66	0.2	0.06	3.1	0.45	<0.1
129309	Soil	0.087	11.3	8.2	0.14	418.3	0.014	5	0.42	0.019	0.11	<0.1	1.2	0.07	0.12	128	0.4	0.03	1.9	0.42	<0.1
129310	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129311	Soil	0.172	30.3	6.0	0.19	280.7	0.007	6	0.77	0.026	0.14	<0.1	2.0	0.07	0.17	197	0.4	0.04	1.2	0.40	0.1
129312	Soil	0.086	3.8	10.1	0.23	166.8	0.015	4	0.56	0.021	0.10	<0.1	1.2	0.05	0.13	114	0.6	0.05	2.2	0.53	<0.1
129313	Soil	0.109	7.1	8.3	0.13	328.1	0.010	4	0.53	0.018	0.10	<0.1	0.4	0.07	0.10	130	0.4	0.05	2.5	0.41	<0.1
129314	Soil	0.159	9.0	12.4	0.14	420.0	0.021	4	0.92	0.020	0.13	<0.1	0.9	0.14	0.10	138	0.5	0.07	2.8	0.80	<0.1
129315	Soil	0.081	9.4	17.2	0.22	284.1	0.018	3	1.17	0.020	0.08	<0.1	1.6	0.11	0.05	96	0.5	0.03	4.8	0.66	<0.1
129316	Soil	0.145	40.7	21.6	0.36	473.7	0.004	2	3.11	0.016	0.08	<0.1	5.5	0.23	0.10	145	0.6	0.06	6.4	1.12	<0.1
129317	Soil	0.083	4.5	14.6	0.12	194.4	0.020	2	0.67	0.012	0.07	<0.1	1.5	0.06	0.05	73	0.2	<0.02	3.9	0.48	<0.1
129318	Soil	0.103	5.7	9.4	0.14	335.9	0.011	2	0.62	0.015	0.10	<0.1	1.2	0.05	0.08	115	0.3	0.04	2.4	0.33	<0.1
129319	Soil	0.088	24.3	13.2	0.19	491.4	0.008	1	1.10	0.011	0.07	<0.1	2.5	0.08	0.08	161	0.3	0.03	3.9	0.60	<0.1
129320	Soil	0.087	3.2	11.7	0.08	261.6	0.016	5	0.32	0.014	0.09	0.1	0.6	0.06	0.08	151	0.4	0.07	1.7	0.45	<0.1
129321	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129322	Soil	0.070	4.7	16.2	0.13	157.5	0.015	2	0.66	0.014	0.06	<0.1	1.2	0.05	0.04	87	0.3	0.04	3.5	0.55	<0.1
129323	Soil	0.081	6.9	10.0	0.15	322.3	0.015	3	0.53	0.015	0.10	<0.1	1.5	0.08	0.10	93	0.2	0.04	2.4	0.69	<0.1
129324	Soil	0.148	4.3	15.0	0.27	345.6	0.022	5	1.03	0.015	0.15	<0.1	1.2	0.07	0.08	85	0.3	0.03	3.7	0.85	<0.1
129325	Soil	0.087	3.0	9.0	0.09	253.3	0.011	2	0.43	0.019	0.07	<0.1	0.3	0.04	0.07	115	0.2	0.02	2.0	0.39	<0.1
129326	Soil	0.177	<0.5	3.7	0.06	142.4	0.003	3	0.08	0.027	0.18	<0.1	0.3	0.14	0.11	245	0.4	<0.02	0.2	0.53	<0.1
129327	Soil	0.098	4.1	10.3	0.08	186.8	0.005	4	0.61	0.015	0.07	<0.1	0.2	0.09	0.06	232	0.3	0.03	4.2	0.74	<0.1
129328	Soil	0.121	3.5	8.4	0.23	367.4	0.006	4	0.65	0.020	0.06	<0.1	2.1	0.23	0.16	107	1.8	<0.02	2.0	1.57	<0.1
129329	Soil	0.107	1.8	11.1	0.29	185.8	0.022	3	0.54	0.014	0.13	<0.1	1.3	0.20	0.10	230	0.5	<0.02	1.7	1.27	<0.1
129330	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129331	Soil	0.106	1.8	6.0	0.09	177.6	0.008	4	0.35	0.012	0.10	<0.1	0.4	0.14	0.09	256	0.7	<0.02	1.9	0.68	<0.1
129351	Soil	0.107	3.4	12.3	0.11	257.2	0.007	3	0.59	0.015	0.08	<0.1	0.4	0.06	0.06	143	0.4	0.02	3.5	0.87	<0.1
129352	Soil	0.113	0.8	3.1	0.04	100.9	0.007	3	0.16	0.011	0.12	<0.1	0.5	0.05	0.10	280	0.3	<0.02	0.7	0.51	<0.1
129353	Soil	0.068	5.2	15.5	0.12	143.3	0.010	<1	0.99	0.009	0.05	<0.1	0.6	0.07	0.03	63	0.1	<0.02	5.8	0.72	<0.1
129354	Soil	0.116	<0.5	2.2	0.04	76.2	0.002	2	0.07	0.012	0.17	<0.1	0.2	0.07	0.10	120	0.3	<0.02	0.1	0.47	<0.1
129355	Soil	0.083	34.7	25.9	0.36	538.5	0.007	1	2.72	0.018	0.08	<0.1	5.8	0.14	0.05	69	0.3	0.05	8.2	1.78	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: November 29, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	
129307	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129308	Soil	<0.02	0.75	3.8	0.4	<0.05	0.5	1.62	8.1	<0.02	<1	0.1	1.4	<10	<2
129309	Soil	<0.02	0.43	6.6	0.4	<0.05	0.2	8.13	14.6	<0.02	<1	0.2	1.4	<10	<2
129310	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129311	Soil	<0.02	0.18	5.4	0.2	<0.05	0.5	25.35	56.9	<0.02	<1	0.4	1.8	<10	<2
129312	Soil	<0.02	0.45	7.1	0.3	<0.05	0.4	1.87	7.9	0.03	<1	<0.1	2.3	<10	<2
129313	Soil	<0.02	0.42	4.4	0.3	<0.05	<0.1	4.30	13.2	<0.02	<1	0.1	1.3	<10	<2
129314	Soil	<0.02	0.39	7.9	0.3	<0.05	<0.1	5.42	20.7	0.03	<1	0.4	2.3	<10	<2
129315	Soil	<0.02	0.43	7.5	0.5	<0.05	<0.1	5.91	18.8	<0.02	<1	0.2	4.3	<10	<2
129316	Soil	0.05	0.95	7.0	0.6	<0.05	1.4	31.44	73.9	0.07	<1	1.0	12.5	<10	<2
129317	Soil	<0.02	0.54	6.6	0.5	<0.05	0.4	1.59	7.9	<0.02	<1	0.1	2.5	<10	<2
129318	Soil	<0.02	0.37	4.1	0.3	<0.05	0.2	2.81	10.0	<0.02	<1	0.3	2.6	<10	<2
129319	Soil	<0.02	0.87	5.1	0.4	<0.05	0.5	21.09	40.6	0.02	<1	0.3	3.9	<10	<2
129320	Soil	<0.02	0.43	4.4	0.5	<0.05	0.2	0.85	5.5	<0.02	<1	<0.1	0.5	<10	<2
129321	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129322	Soil	<0.02	0.44	6.6	0.4	<0.05	0.2	1.68	9.0	0.02	<1	<0.1	2.6	<10	<2
129323	Soil	<0.02	0.63	12.5	0.3	<0.05	0.6	2.98	13.5	<0.02	<1	0.2	2.3	<10	<2
129324	Soil	<0.02	0.58	18.3	0.4	<0.05	0.2	1.49	8.2	0.03	<1	0.3	4.3	<10	<2
129325	Soil	<0.02	0.32	3.4	0.3	<0.05	<0.1	1.14	5.4	<0.02	<1	<0.1	1.4	<10	<2
129326	Soil	<0.02	0.05	9.6	0.1	<0.05	0.2	0.19	0.7	<0.02	1	<0.1	0.2	<10	<2
129327	Soil	<0.02	0.25	7.2	0.4	<0.05	<0.1	0.98	7.1	<0.02	<1	<0.1	1.7	<10	<2
129328	Soil	0.02	0.44	24.8	0.2	<0.05	0.7	5.72	10.5	0.03	9	0.1	3.8	<10	<2
129329	Soil	<0.02	0.18	17.6	0.2	<0.05	0.1	0.96	3.9	<0.02	<1	0.2	2.4	<10	<2
129330	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
129331	Soil	<0.02	0.19	6.0	0.3	<0.05	<0.1	0.59	3.3	<0.02	1	0.1	0.8	<10	<2
129351	Soil	<0.02	0.39	6.1	0.5	<0.05	<0.1	1.18	6.5	0.03	<1	0.1	2.4	<10	<2
129352	Soil	<0.02	0.12	7.3	0.1	<0.05	0.2	0.27	1.5	<0.02	<1	<0.1	0.3	<10	<2
129353	Soil	<0.02	0.61	6.0	0.6	<0.05	<0.1	1.33	9.7	0.02	<1	0.2	2.4	<10	<2
129354	Soil	<0.02	0.03	13.5	<0.1	<0.05	0.1	0.13	0.4	<0.02	<1	<0.1	0.1	<10	<2
129355	Soil	<0.02	0.97	10.9	0.7	<0.05	1.3	31.14	48.9	0.06	<1	1.4	10.3	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Copper Ridge Exploration Inc.
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
Report Date: November 29, 2010

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CERTIFICATE OF ANALYSIS

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Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
129356	Soil	2.35	39.19	15.47	116.2	904	16.4	14.2	2094	3.09	13.1	0.4	0.6	0.1	44.3	0.55	1.18	0.51	56	0.72	
129357	Soil	0.82	41.27	3.54	26.6	520	10.3	1.6	689	0.32	1.5	0.7	<0.2	<0.1	113.5	0.42	0.38	0.06	5	2.68	
129358	Soil	1.99	16.01	8.50	69.1	863	7.1	6.2	468	0.83	1.5	<0.1	<0.2	0.2	62.7	2.61	0.26	0.09	18	0.91	



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 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

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CERTIFICATE OF ANALYSIS

SMI10000708A.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
129356	Soil	0.096	6.2	22.0	0.33	242.7	0.016	2	1.32	0.009	0.12	0.1	1.7	0.08	0.06	118	0.4	0.09	5.8	2.39	<0.1
129357	Soil	0.091	44.5	4.2	0.12	181.7	0.004	6	0.30	0.022	0.07	<0.1	1.3	0.07	0.18	139	0.8	<0.02	0.5	0.78	<0.1
129358	Soil	0.076	2.3	6.3	0.09	186.9	0.016	2	0.28	0.013	0.10	<0.1	0.8	0.02	0.11	140	0.2	<0.02	1.6	0.47	<0.1



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

www.acmelab.com

Client: Copper Ridge Exploration Inc.
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

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CERTIFICATE OF ANALYSIS

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Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	
129356	Soil	<0.02	0.61	30.4	0.7	<0.05	0.1	3.00	13.1	0.04	<1	0.5	7.3	<10	<2
129357	Soil	<0.02	0.07	3.8	<0.1	<0.05	2.5	35.18	11.2	<0.02	<1	0.5	1.0	<10	<2
129358	Soil	<0.02	0.33	6.2	0.2	<0.05	0.4	0.69	3.4	<0.02	<1	0.1	0.6	<10	<2



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 11th Floor - 888 Dunsmuir Street
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QUALITY CONTROL REPORT

SMI10000708A.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																				
129116	Soil	15.09	24.47	2.49	37.8	150	6.4	2.1	738	0.33	1.6	<0.1	2.0	<0.1	569.1	1.33	0.26	0.05	5	2.78
REP 129116	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129123	Soil	0.98	12.83	7.78	55.1	266	6.3	3.8	1469	1.57	12.5	0.1	0.4	<0.1	31.6	0.47	0.61	0.25	33	0.31
REP 129123	QC	0.94	12.84	7.56	52.1	242	6.1	3.8	1405	1.58	12.3	0.1	0.6	<0.1	30.5	0.45	0.67	0.24	33	0.31
129137	Soil	4.44	56.35	7.83	46.8	1086	12.6	6.8	532	2.01	7.6	0.4	2.4	0.3	98.9	1.51	0.64	0.22	39	0.96
REP 129137	QC	4.43	58.32	8.06	47.0	1066	13.1	7.0	549	2.08	5.0	0.4	0.4	0.3	102.6	1.51	0.65	0.22	41	0.98
129153	Soil	1.60	25.28	11.78	146.1	548	13.3	20.4	9196	2.36	3.4	0.2	0.3	<0.1	25.6	5.27	0.45	0.14	38	0.11
REP 129153	QC	1.67	27.42	11.65	154.5	572	13.3	20.7	9855	2.27	3.1	0.2	<0.2	<0.1	28.0	5.62	0.49	0.20	37	0.11
129175	Soil	0.99	10.96	11.26	108.5	146	16.3	11.7	1754	2.93	4.7	0.2	1.6	0.1	59.8	1.07	0.64	0.17	45	0.90
REP 129175	QC	1.31	14.07	13.36	120.4	234	14.6	12.8	2464	2.41	5.6	0.2	<0.2	<0.1	89.2	1.70	0.78	0.19	36	1.29
129191	Soil	3.97	34.48	14.38	61.0	360	11.9	5.7	172	2.86	8.1	0.3	3.6	<0.1	22.8	1.15	1.47	0.42	54	0.16
REP 129191	QC	4.06	36.43	14.26	63.0	349	12.3	5.9	165	2.90	7.5	0.3	2.1	<0.1	19.8	1.30	1.49	0.44	54	0.16
129204	Soil	1.16	31.75	11.29	89.0	1788	20.7	10.8	2408	2.25	4.6	0.5	2.8	0.4	88.0	1.13	0.49	0.22	40	0.76
REP 129204	QC	1.17	32.33	11.82	93.0	1677	21.6	11.6	2446	2.36	5.3	0.5	2.3	0.4	90.2	1.34	0.50	0.18	42	0.79
129223	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 129223	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129258	Soil	2.66	17.99	9.12	107.6	252	12.6	7.8	4283	2.11	4.7	0.2	1.5	0.1	45.5	1.75	0.54	0.20	42	0.56
REP 129258	QC	2.58	28.67	9.08	109.4	244	12.8	8.0	4426	2.17	5.0	0.2	0.3	0.1	45.9	1.80	0.59	0.21	41	0.54
129304	Soil	1.45	61.95	14.75	83.8	1044	28.0	11.3	1016	2.73	32.3	0.7	1.2	0.6	143.0	4.07	1.31	0.68	46	1.40
REP 129304	QC	1.48	63.98	14.07	84.0	989	27.7	10.8	1010	2.71	31.7	0.6	1.1	0.6	141.7	3.81	1.38	0.64	46	1.38
129322	Soil	1.42	14.43	10.14	54.0	158	12.7	6.0	612	2.14	11.8	0.1	1.0	<0.1	31.9	0.49	0.78	0.23	42	0.30
REP 129322	QC	1.44	14.77	10.76	55.3	176	12.9	6.2	615	2.07	12.1	0.2	1.8	<0.1	33.6	0.53	0.86	0.26	41	0.34
129356	Soil	2.35	39.19	15.47	116.2	904	16.4	14.2	2094	3.09	13.1	0.4	0.6	0.1	44.3	0.55	1.18	0.51	56	0.72
REP 129356	QC	2.26	39.29	14.78	118.8	823	16.2	14.6	2122	3.17	14.1	0.3	1.0	0.1	42.1	0.51	1.20	0.48	56	0.68
Reference Materials																				
STD DS7	Standard	22.05	112.5	79.82	398.7	1024	55.7	9.5	630	2.40	46.9	5.5	77.5	5.2	72.2	6.04	6.24	5.22	81	0.95
STD DS7	Standard	19.32	109.6	72.44	393.6	920	54.1	8.7	623	2.36	52.4	5.1	73.4	4.9	79.6	6.27	6.52	4.96	82	0.95
STD DS7	Standard	19.56	101.9	64.63	381.4	910	55.1	9.3	605	2.26	51.4	4.3	64.4	4.2	61.4	6.00	5.36	4.28	77	0.91

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Acme Analytical Laboratories (Vancouver) Ltd.

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

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
11th Floor - 888 Dunsmuir Street
Vancouver BC V6C 3K4 Canada

Project: None Given
Report Date: November 29, 2010

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

SMI10000708A.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
Pulp Duplicates																					
129116	Soil	0.088	1.9	3.2	0.12	102.0	0.005	11	0.21	0.013	0.07	<0.1	0.8	0.03	0.19	106	0.5	0.04	0.5	0.16	<0.1
REP 129116	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129123	Soil	0.079	3.5	9.9	0.09	190.4	0.010	2	0.52	0.009	0.07	<0.1	0.6	0.05	0.03	64	0.2	0.04	3.0	0.29	<0.1
REP 129123	QC	0.082	3.6	9.4	0.09	193.3	0.015	2	0.54	0.010	0.07	<0.1	0.7	0.07	0.03	54	0.2	0.07	3.1	0.42	<0.1
129137	Soil	0.075	14.9	14.7	0.23	153.5	0.022	5	1.08	0.015	0.09	0.1	3.3	0.08	0.08	50	0.4	0.02	4.1	0.98	<0.1
REP 129137	QC	0.073	15.3	14.9	0.22	161.8	0.022	4	1.10	0.015	0.09	0.1	3.3	0.08	0.07	87	0.7	0.03	4.3	1.00	<0.1
129153	Soil	0.099	8.7	12.5	0.09	616.8	0.014	2	0.87	0.009	0.08	<0.1	1.2	0.15	0.03	96	0.2	0.04	4.3	0.86	<0.1
REP 129153	QC	0.105	8.8	13.3	0.09	634.2	0.015	3	0.87	0.009	0.08	<0.1	1.4	0.15	0.03	101	0.2	<0.02	4.5	0.99	<0.1
129175	Soil	0.149	5.5	19.1	0.47	295.4	0.034	4	1.23	0.010	0.15	<0.1	2.4	0.06	0.04	61	<0.1	<0.02	5.2	0.94	<0.1
REP 129175	QC	0.186	4.7	16.7	0.35	407.9	0.020	5	1.06	0.009	0.17	0.1	1.2	0.08	0.07	120	0.3	0.02	4.4	0.88	<0.1
129191	Soil	0.063	5.9	20.7	0.12	165.7	0.022	<1	0.83	0.018	0.06	<0.1	1.2	0.04	0.03	51	0.4	0.10	4.9	0.41	<0.1
REP 129191	QC	0.065	6.2	20.8	0.12	169.4	0.021	<1	0.83	0.018	0.05	<0.1	1.2	0.04	0.02	36	0.1	0.08	4.9	0.42	<0.1
129204	Soil	0.146	24.2	16.8	0.29	382.0	0.008	5	1.83	0.021	0.11	<0.1	3.9	0.14	0.07	173	0.6	0.08	5.0	0.88	<0.1
REP 129204	QC	0.143	24.2	18.3	0.30	390.2	0.008	5	1.86	0.022	0.11	<0.1	4.0	0.14	0.08	166	0.5	0.02	5.3	0.92	<0.1
129223	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 129223	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129258	Soil	0.082	4.6	15.3	0.16	306.2	0.023	1	0.74	0.013	0.10	<0.1	1.7	0.05	0.04	85	0.4	<0.02	4.1	0.55	<0.1
REP 129258	QC	0.085	4.6	15.7	0.16	305.8	0.024	2	0.78	0.012	0.10	<0.1	1.6	0.05	0.04	78	0.3	<0.02	4.1	0.59	<0.1
129304	Soil	0.084	32.2	22.1	0.33	452.4	0.014	5	1.58	0.018	0.12	0.1	5.3	0.13	0.07	94	0.5	0.07	4.8	1.41	<0.1
REP 129304	QC	0.080	30.9	21.1	0.33	425.2	0.013	3	1.57	0.018	0.12	<0.1	4.8	0.12	0.07	89	0.5	0.12	5.0	1.39	0.1
129322	Soil	0.070	4.7	16.2	0.13	157.5	0.015	2	0.66	0.014	0.06	<0.1	1.2	0.05	0.04	87	0.3	0.04	3.5	0.55	<0.1
REP 129322	QC	0.078	5.1	16.6	0.13	168.2	0.024	3	0.64	0.015	0.07	<0.1	1.8	0.07	0.05	79	0.4	0.05	3.3	0.69	<0.1
129356	Soil	0.096	6.2	22.0	0.33	242.7	0.016	2	1.32	0.009	0.12	0.1	1.7	0.08	0.06	118	0.4	0.09	5.8	2.39	<0.1
REP 129356	QC	0.093	6.0	22.0	0.33	235.9	0.015	2	1.32	0.009	0.12	<0.1	1.7	0.07	0.05	101	0.2	0.11	5.7	2.24	<0.1
Reference Materials																					
STD DS7	Standard	0.072	14.1	203.8	1.07	391.5	0.134	36	1.03	0.084	0.47	3.6	2.4	4.25	0.20	225	3.3	1.24	4.8	6.44	<0.1
STD DS7	Standard	0.073	14.5	192.5	1.03	404.4	0.122	38	1.02	0.096	0.45	3.5	2.8	3.82	0.19	217	3.2	1.30	5.1	6.21	<0.1
STD DS7	Standard	0.074	11.3	189.4	1.05	374.6	0.106	38	0.98	0.089	0.44	3.3	2.5	3.94	0.19	207	3.1	1.18	4.6	6.16	0.1

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Acme Analytical Laboratories (Vancouver) Ltd.

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

www.acmelab.com

Client: Copper Ridge Exploration Inc.
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
Report Date: November 29, 2010

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QUALITY CONTROL REPORT

SMI10000708A.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	
Pulp Duplicates															
129116	Soil	0.02	0.13	2.6	0.1	<0.05	0.8	3.83	2.2	<0.02	2	<0.1	1.0	<10	<2
REP 129116	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129123	Soil	<0.02	0.21	3.1	0.3	<0.05	0.1	1.28	7.1	<0.02	<1	0.2	1.2	<10	<2
REP 129123	QC	<0.02	0.17	4.1	0.2	<0.05	<0.1	1.27	7.5	<0.02	<1	0.1	1.4	<10	<2
129137	Soil	<0.02	0.89	11.4	0.4	<0.05	0.5	14.53	14.6	0.02	2	0.4	6.3	<10	<2
REP 129137	QC	<0.02	0.86	12.2	0.4	<0.05	0.4	15.12	15.2	<0.02	3	0.1	6.6	<10	<2
129153	Soil	<0.02	0.36	8.7	0.5	<0.05	0.1	4.78	26.6	<0.02	<1	0.2	2.2	<10	<2
REP 129153	QC	<0.02	0.29	9.8	0.5	<0.05	0.2	5.00	27.1	<0.02	<1	0.5	2.6	<10	2
129175	Soil	<0.02	0.42	12.5	0.4	<0.05	0.3	3.60	11.9	0.03	<1	0.6	5.2	<10	<2
REP 129175	QC	<0.02	0.43	13.9	0.5	<0.05	0.2	2.73	9.9	0.02	<1	0.4	5.2	<10	3
129191	Soil	<0.02	0.54	4.4	0.6	<0.05	0.2	2.19	11.7	0.02	<1	0.2	1.9	<10	<2
REP 129191	QC	<0.02	0.50	4.3	0.7	<0.05	0.2	2.35	11.8	<0.02	<1	0.3	2.0	<10	<2
129204	Soil	0.04	0.74	7.2	0.4	<0.05	0.7	19.29	45.3	0.03	<1	0.5	8.1	<10	4
REP 129204	QC	0.03	0.81	7.8	0.4	<0.05	0.7	20.28	46.0	0.03	<1	0.6	8.7	<10	<2
129223	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 129223	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129258	Soil	<0.02	0.60	11.8	0.3	<0.05	0.2	1.62	8.7	<0.02	2	0.2	3.2	<10	<2
REP 129258	QC	<0.02	0.61	13.0	0.4	<0.05	0.2	1.68	8.7	<0.02	2	0.2	3.5	<10	<2
129304	Soil	<0.02	0.72	13.6	0.5	<0.05	0.9	27.50	27.3	0.04	<1	0.6	7.0	<10	<2
REP 129304	QC	0.03	0.71	13.6	0.5	<0.05	0.8	27.22	25.8	0.04	<1	0.5	8.0	<10	<2
129322	Soil	<0.02	0.44	6.6	0.4	<0.05	0.2	1.68	9.0	0.02	<1	<0.1	2.6	<10	<2
REP 129322	QC	<0.02	0.37	8.0	0.5	<0.05	<0.1	1.73	9.6	0.02	<1	<0.1	2.6	<10	<2
129356	Soil	<0.02	0.61	30.4	0.7	<0.05	0.1	3.00	13.1	0.04	<1	0.5	7.3	<10	<2
REP 129356	QC	<0.02	0.64	29.4	0.5	<0.05	0.1	2.93	12.4	0.03	<1	0.3	6.7	<10	<2
Reference Materials															
STD DS7	Standard	0.11	0.60	36.0	5.0	<0.05	5.8	6.09	39.7	1.77	4	1.7	29.8	64	38
STD DS7	Standard	0.12	1.42	36.3	4.9	<0.05	5.6	6.44	38.5	1.53	4	1.6	28.0	69	37
STD DS7	Standard	0.11	0.52	33.5	4.5	<0.05	5.5	5.37	35.9	1.52	4	1.5	29.3	72	36

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 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Copper Ridge Exploration Inc.
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given

Report Date: November 29, 2010

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QUALITY CONTROL REPORT

SMI10000708A.1

		WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
STD DS7	Standard		19.62	104.7	65.65	371.0	916	52.9	9.0	610	2.31	47.9	4.6	70.2	4.5	71.8	5.95	4.28	4.33	80	0.96
STD DS7	Standard		22.55	109.2	70.07	412.7	1021	56.9	10.1	661	2.51	54.0	5.1	95.4	4.8	83.2	7.03	6.37	5.02	85	1.05
STD DS7	Standard		23.04	114.0	72.77	404.7	987	59.1	10.1	646	2.50	50.2	5.2	73.1	5.0	78.7	6.78	6.05	4.88	86	1.04
STD DS7	Standard		23.10	121.3	73.19	413.1	981	58.2	9.8	633	2.50	52.9	5.4	76.2	5.5	78.7	7.09	6.63	5.03	84	1.04
STD DS7 Expected			20.5	109	70.6	411	890	56	9.7	627	2.39	50	4.9	70	4.4	72.3	6.38	4.6	4.51	84	0.93
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01

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

www.acmelab.com

Client: Copper Ridge Exploration Inc.
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given

Report Date: November 29, 2010

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QUALITY CONTROL REPORT

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		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
STD DS7	Standard	0.076	14.0	185.7	1.01	366.9	0.114	35	1.05	0.091	0.45	2.9	2.7	3.88	0.19	222	3.0	1.25	4.8	5.93	<0.1
STD DS7	Standard	0.084	15.7	211.6	1.10	432.7	0.127	43	1.11	0.111	0.49	3.8	3.0	4.16	0.20	225	3.5	1.43	5.3	6.87	0.1
STD DS7	Standard	0.084	15.6	216.7	1.11	427.5	0.130	41	1.11	0.106	0.49	3.7	3.0	4.18	0.20	230	3.4	1.39	5.2	6.64	0.1
STD DS7	Standard	0.079	16.7	204.6	1.08	403.0	0.137	40	1.13	0.101	0.49	3.9	2.8	4.41	0.21	213	3.0	1.33	5.3	6.68	0.1
STD DS7 Expected		0.08	12.7	192	1.05	410	0.124	38.6	1.0195	0.089	0.44	3.4	2.5	4.19	0.19	210	3.5	1.18	4.6	6.36	0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**

11th Floor - 888 Dunsmuir Street

Vancouver BC V6C 3K4 Canada

Project: None Given

Report Date: November 29, 2010

Page: 2 of 2 Part 3

QUALITY CONTROL REPORT

SMI10000708A.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
STD DS7	Standard	0.11	0.64	35.3	4.8	<0.05	5.6	6.27	39.3	1.48	2	1.6	26.7	69	38
STD DS7	Standard	0.14	0.77	43.0	5.3	<0.05	5.9	7.24	42.8	1.72	3	1.8	30.5	63	39
STD DS7	Standard	0.14	0.72	40.0	5.1	<0.05	5.4	6.88	41.4	1.66	6	1.5	28.5	68	41
STD DS7	Standard	0.14	0.95	39.5	5.4	<0.05	6.1	7.23	42.7	1.74	3	1.5	29.0	50	42
STD DS7 Expected		0.11	0.71	35.8	4.61		5.4	5.18	36	1.57	4	1.6	29.3	70	40
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**

11th Floor - 888 Dunsmuir Street
Vancouver BC V6C 3K4 Canada

Submitted By: Greg Dawson

Receiving Lab: Canada-Smithers

Received: October 13, 2010

Report Date: December 02, 2010

Page: 1 of 10

CERTIFICATE OF ANALYSIS

SMI10000708.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 261

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: Copper Ridge Exploration Inc.
11th Floor - 888 Dunsmuir Street
Vancouver BC V6C 3K4
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS10	261	Sieve samples to 10 mesh			SMI
Soil Pulverize	261	Soil Pulverize			VAN
1F06	257	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

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.



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

Page: 2 of 10 Part 1

CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
936901	Soil	1.40	19.32	8.90	184.9	637	12.5	10.6	2433	1.37	3.1	<0.1	2.6	0.1	158.4	5.67	0.39	0.14	23	2.02
936902	Soil	1.11	23.37	11.48	123.1	619	17.8	13.4	2278	2.22	7.7	0.2	8.1	0.1	98.9	2.43	0.65	0.25	40	1.09
936903	Soil	2.33	27.60	10.55	223.2	703	26.7	18.2	7170	2.16	5.8	0.1	1.1	<0.1	114.1	3.53	0.58	0.26	34	1.11
936904	Soil	1.50	19.18	6.98	47.0	494	13.0	13.7	1128	1.53	7.7	<0.1	2.2	0.1	91.7	0.79	0.61	0.24	27	0.90
936905	Soil	1.59	23.62	9.95	128.5	667	19.5	10.5	4008	2.32	15.4	0.2	0.6	<0.1	67.7	1.47	1.02	0.35	47	0.61
936906	Soil	0.96	13.80	8.09	53.1	146	10.2	4.3	251	1.56	6.5	0.2	<0.2	<0.1	26.8	0.70	0.47	0.21	33	0.36
936907	Soil	1.98	81.97	27.83	532.4	740	18.0	18.5	2428	2.67	20.5	0.2	2.1	0.3	89.0	20.79	2.71	0.65	40	1.31
936908	Soil	1.99	26.43	13.92	63.0	631	9.5	17.0	4785	1.47	4.3	0.1	64.4	<0.1	115.2	3.23	0.55	0.21	24	1.36
936909	Soil	1.37	21.34	8.22	74.0	278	11.1	5.8	568	2.05	6.3	0.2	3.5	0.2	33.2	0.87	0.46	0.19	42	0.44
936910	Soil	1.56	57.73	8.17	100.8	1050	24.4	8.3	1545	2.11	9.5	0.3	2.3	0.4	123.2	2.20	0.70	0.23	33	1.82
936911	Soil	2.57	106.8	10.52	163.4	1359	45.8	11.9	2206	3.27	15.1	0.6	0.9	0.6	121.6	3.21	1.06	0.43	46	1.66
936912	Soil	3.15	128.6	11.06	121.3	1457	46.0	13.5	1791	3.34	21.8	0.6	0.9	0.3	87.6	2.27	0.99	0.43	52	1.33
936913	Soil	2.43	42.23	8.60	160.4	266	17.7	8.7	1364	1.97	11.0	0.2	1.3	<0.1	85.5	4.03	0.90	0.25	37	1.35
936914	Soil	6.06	114.3	23.08	119.8	1176	27.9	14.6	866	2.59	7.8	0.7	<0.2	0.2	78.4	1.50	0.98	0.33	48	1.15
936915	Soil	3.43	62.12	11.83	123.6	815	31.5	15.8	1586	2.71	5.9	0.4	<0.2	0.2	71.4	2.65	0.78	0.21	50	1.04
936916	Soil	5.25	16.25	9.28	77.1	532	10.9	23.7	2253	2.37	3.9	<0.1	1.0	<0.1	68.7	1.54	0.70	0.48	36	0.98
936917	Soil	2.95	21.18	7.09	57.6	414	7.6	5.4	141	1.34	2.3	<0.1	0.8	<0.1	30.8	1.17	1.13	0.30	25	0.31
936918	Soil	1.45	9.88	6.01	55.0	245	4.8	3.3	621	1.16	2.4	<0.1	<0.2	<0.1	26.5	0.46	0.37	0.10	25	0.25
936919	Soil	1.13	11.28	7.67	43.0	807	4.3	2.9	566	0.91	1.9	<0.1	<0.2	<0.1	30.8	0.56	0.27	0.07	19	0.28
936920	Soil	2.92	11.47	6.47	49.5	832	5.7	3.3	230	0.77	2.2	<0.1	1.1	<0.1	31.4	0.60	0.26	0.07	14	0.30
936921	Soil	0.76	8.44	5.76	28.0	278	4.0	2.1	300	0.53	1.5	<0.1	0.8	<0.1	33.4	2.17	0.19	0.06	12	0.38
936922	Soil	1.33	17.43	8.36	62.2	280	7.3	3.7	778	1.60	4.7	0.2	<0.2	<0.1	34.5	1.30	0.36	0.14	39	0.42
936923	Soil	1.94	38.66	9.71	62.5	514	22.9	8.2	325	3.21	8.3	0.5	<0.2	0.2	48.5	0.67	0.50	0.19	63	0.46
936924	Soil	0.98	11.57	4.02	135.9	131	4.3	9.8	652	0.68	1.6	<0.1	<0.2	<0.1	97.9	2.06	0.17	0.06	12	1.66
936925	Soil	1.27	18.24	9.12	89.4	370	8.9	6.8	2334	1.75	4.3	0.1	<0.2	<0.1	44.0	1.44	0.48	0.12	31	0.42
936926	Soil	1.19	18.89	8.99	71.4	215	10.5	11.5	1305	2.12	4.2	0.2	0.8	<0.1	29.1	2.04	0.35	0.17	43	0.43
936927	Soil	0.66	7.23	3.49	7.7	220	10.7	3.5	19	0.16	0.4	<0.1	<0.2	<0.1	72.9	0.69	0.09	0.03	3	1.10
936928	Soil	2.62	16.89	8.06	42.2	355	14.0	6.1	185	2.23	6.2	0.2	0.4	<0.1	38.5	0.57	0.42	0.15	48	0.60
936929	Soil	1.26	12.02	7.72	88.9	562	8.5	5.4	385	1.64	3.4	<0.1	<0.2	<0.1	49.2	1.26	0.29	0.09	34	0.55
936930	Soil	1.08	11.55	8.19	79.9	283	6.0	4.6	3316	1.44	2.6	<0.1	<0.2	<0.1	42.1	0.70	0.27	0.10	32	0.57

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.



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

Page: 2 of 10 Part 2

CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
936901	Soil	0.121	3.2	9.1	0.19	449.1	0.018	11	0.44	0.010	0.14	<0.1	1.2	0.05	0.12	132	0.4	0.05	2.4	0.42	<0.1
936902	Soil	0.134	6.1	16.0	0.19	424.2	0.023	4	0.76	0.011	0.11	<0.1	1.6	0.05	0.05	53	0.3	0.03	4.0	0.66	<0.1
936903	Soil	0.166	5.8	14.8	0.22	764.1	0.019	4	1.09	0.009	0.13	<0.1	1.2	0.07	0.08	94	0.4	0.06	4.3	0.86	<0.1
936904	Soil	0.098	2.7	11.8	0.15	201.9	0.025	2	0.51	0.011	0.09	1.6	1.5	0.07	0.09	81	0.3	0.05	2.6	0.61	<0.1
936905	Soil	0.106	7.9	14.8	0.15	500.2	0.019	3	0.79	0.008	0.11	<0.1	1.3	0.06	0.04	91	0.4	0.07	4.4	0.72	<0.1
936906	Soil	0.092	3.8	10.2	0.08	168.2	0.007	2	0.65	0.012	0.07	<0.1	0.3	0.03	0.05	86	0.2	0.04	3.4	0.54	<0.1
936907	Soil	0.160	5.8	19.9	0.34	455.7	0.027	4	1.03	0.012	0.17	0.1	2.2	0.07	0.07	66	0.3	0.06	4.1	1.22	<0.1
936908	Soil	0.106	7.2	10.3	0.18	556.7	0.015	5	0.49	0.012	0.14	<0.1	0.9	0.08	0.11	157	0.4	0.04	2.3	0.64	<0.1
936909	Soil	0.088	4.2	20.5	0.36	193.4	0.031	2	0.68	0.012	0.14	<0.1	1.4	0.09	0.06	61	0.2	0.05	3.6	0.92	<0.1
936910	Soil	0.110	18.2	14.9	0.30	349.7	0.012	6	1.24	0.011	0.10	<0.1	4.4	0.10	0.12	156	0.7	0.05	3.8	0.73	<0.1
936911	Soil	0.144	18.2	22.1	0.35	375.3	0.007	3	2.04	0.013	0.16	<0.1	6.5	0.13	0.12	95	1.1	0.09	6.1	1.03	<0.1
936912	Soil	0.127	23.5	24.1	0.38	303.5	0.008	3	2.08	0.010	0.16	<0.1	4.5	0.12	0.10	82	1.4	0.08	6.3	1.15	<0.1
936913	Soil	0.091	4.0	15.0	0.31	190.6	0.020	6	0.77	0.011	0.13	<0.1	1.6	0.07	0.13	104	0.8	0.04	3.2	0.64	<0.1
936914	Soil	0.096	7.7	19.6	0.20	210.3	0.014	2	1.10	0.010	0.18	<0.1	2.5	0.08	0.08	62	0.9	0.08	4.9	2.11	<0.1
936915	Soil	0.071	10.7	20.3	0.23	218.9	0.022	1	1.27	0.010	0.13	<0.1	2.7	0.07	0.05	58	0.4	0.05	5.6	1.25	<0.1
936916	Soil	0.127	3.5	15.4	0.21	231.8	0.032	5	0.71	0.018	0.12	<0.1	1.3	0.08	0.11	168	0.7	0.12	3.8	1.00	<0.1
936917	Soil	0.081	2.9	12.8	0.08	103.7	0.016	1	0.52	0.013	0.06	<0.1	0.6	0.04	0.07	107	0.3	0.04	2.6	0.48	<0.1
936918	Soil	0.120	3.0	9.2	0.09	137.4	0.023	2	0.51	0.019	0.14	<0.1	1.0	0.04	0.06	81	0.5	0.03	2.6	0.45	<0.1
936919	Soil	0.083	2.0	6.7	0.07	194.9	0.014	2	0.37	0.016	0.08	<0.1	0.5	0.05	0.06	88	0.4	0.05	1.7	0.41	<0.1
936920	Soil	0.140	1.5	6.3	0.10	159.5	0.013	1	0.49	0.011	0.10	<0.1	1.1	0.03	0.10	172	0.6	0.03	1.4	0.28	<0.1
936921	Soil	0.081	1.4	5.5	0.07	174.4	0.012	2	0.32	0.015	0.07	<0.1	0.8	<0.02	0.07	158	0.4	0.04	1.2	0.20	<0.1
936922	Soil	0.083	3.7	10.9	0.11	194.9	0.013	3	0.64	0.013	0.06	<0.1	0.6	0.06	0.06	161	0.3	0.04	3.9	0.73	<0.1
936923	Soil	0.055	9.1	19.1	0.21	146.3	0.026	2	1.18	0.010	0.06	<0.1	2.3	0.06	0.04	37	0.5	0.07	6.2	1.35	<0.1
936924	Soil	0.154	1.5	6.4	0.11	131.9	0.013	5	0.29	0.011	0.17	<0.1	0.8	<0.02	0.16	114	0.6	0.03	1.3	0.46	<0.1
936925	Soil	0.129	3.2	11.6	0.16	258.5	0.011	2	0.65	0.012	0.09	<0.1	0.6	0.06	0.08	114	0.3	0.03	3.3	0.51	<0.1
936926	Soil	0.094	4.4	12.8	0.10	244.8	0.015	2	0.72	0.008	0.09	<0.1	0.8	0.07	0.05	109	0.3	0.04	4.5	1.38	<0.1
936927	Soil	0.082	2.8	3.1	0.05	58.1	0.004	2	0.08	0.011	0.05	<0.1	0.6	<0.02	0.17	124	0.5	0.03	0.3	0.19	<0.1
936928	Soil	0.072	4.8	13.7	0.14	138.7	0.019	2	0.70	0.009	0.07	<0.1	1.2	0.03	0.08	99	0.3	0.06	4.5	1.30	<0.1
936929	Soil	0.108	3.0	11.9	0.14	216.9	0.014	1	0.67	0.016	0.08	<0.1	1.2	0.03	0.07	123	0.3	0.07	3.5	0.49	<0.1
936930	Soil	0.118	3.4	9.7	0.08	274.7	0.007	2	0.60	0.008	0.09	<0.1	0.3	0.15	0.06	174	0.2	0.03	3.6	0.32	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

Page: 2 of 10 Part 3

CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	
936901	Soil	<0.02	0.42	8.2	0.3	<0.05	0.4	1.52	5.6	0.04	<1	<0.1	2.5	<10	<2
936902	Soil	<0.02	0.50	12.1	0.9	<0.05	0.2	2.83	12.2	<0.02	<1	0.2	3.8	<10	<2
936903	Soil	<0.02	0.64	12.2	0.4	<0.05	0.5	2.76	12.1	<0.02	<1	0.3	4.2	<10	<2
936904	Soil	<0.02	0.76	8.8	0.4	<0.05	0.7	1.19	5.6	<0.02	2	0.1	2.2	<10	<2
936905	Soil	<0.02	0.55	14.3	0.4	<0.05	0.2	1.96	14.9	0.02	<1	0.2	3.5	<10	<2
936906	Soil	<0.02	0.60	3.5	0.4	<0.05	0.1	0.98	7.2	<0.02	<1	<0.1	1.3	<10	<2
936907	Soil	<0.02	0.61	17.8	0.4	<0.05	0.5	2.14	12.9	0.04	<1	0.2	5.1	<10	<2
936908	Soil	<0.02	0.42	12.0	0.3	<0.05	0.2	3.79	12.8	<0.02	<1	0.1	2.4	<10	<2
936909	Soil	<0.02	0.83	8.2	0.4	<0.05	0.3	1.99	9.7	<0.02	<1	<0.1	3.6	<10	<2
936910	Soil	0.03	0.59	7.1	0.3	<0.05	1.3	23.87	22.3	0.03	<1	0.4	5.0	<10	<2
936911	Soil	0.06	1.05	12.1	0.5	<0.05	2.0	27.19	25.4	0.04	2	0.8	8.4	<10	<2
936912	Soil	0.03	0.86	14.9	0.5	<0.05	0.8	29.18	25.4	0.05	3	0.8	8.0	<10	<2
936913	Soil	<0.02	0.53	15.3	0.3	<0.05	0.3	2.25	8.8	<0.02	<1	0.2	3.2	<10	<2
936914	Soil	<0.02	0.81	26.1	0.5	<0.05	0.5	7.29	11.9	0.02	<1	0.2	2.4	<10	<2
936915	Soil	<0.02	1.19	25.7	0.5	<0.05	0.5	7.01	18.5	0.03	<1	0.5	4.5	<10	<2
936916	Soil	<0.02	0.82	14.9	0.4	<0.05	0.1	1.54	6.2	<0.02	<1	0.2	2.9	<10	<2
936917	Soil	<0.02	0.78	3.7	0.4	<0.05	0.2	1.03	5.2	<0.02	<1	<0.1	1.1	<10	<2
936918	Soil	<0.02	0.53	8.3	0.4	<0.05	0.2	0.95	5.7	<0.02	<1	0.1	1.6	<10	<2
936919	Soil	<0.02	0.32	6.1	0.2	<0.05	0.1	0.85	4.0	<0.02	<1	<0.1	1.3	<10	<2
936920	Soil	<0.02	0.25	4.1	0.2	<0.05	0.2	0.92	2.9	<0.02	<1	0.1	1.4	<10	<2
936921	Soil	<0.02	0.25	2.9	0.2	<0.05	0.5	0.54	2.7	<0.02	2	<0.1	1.0	<10	<2
936922	Soil	<0.02	0.57	5.7	0.4	<0.05	0.1	1.29	6.8	<0.02	1	0.1	2.0	<10	<2
936923	Soil	<0.02	1.24	12.2	0.5	<0.05	0.4	5.37	12.6	0.03	<1	0.3	5.2	<10	<2
936924	Soil	<0.02	0.32	7.9	0.1	<0.05	0.5	0.63	2.7	<0.02	<1	<0.1	1.2	<10	<2
936925	Soil	<0.02	0.30	6.4	0.3	<0.05	<0.1	1.47	6.4	<0.02	<1	0.1	2.6	<10	<2
936926	Soil	<0.02	0.83	13.0	0.5	<0.05	0.1	1.37	8.2	<0.02	<1	0.2	2.4	<10	<2
936927	Soil	<0.02	0.09	5.6	<0.1	<0.05	0.3	1.53	1.2	<0.02	<1	<0.1	0.2	<10	<2
936928	Soil	<0.02	1.06	16.1	0.4	<0.05	0.3	1.50	7.9	<0.02	<1	<0.1	2.5	<10	<2
936929	Soil	<0.02	0.79	5.6	0.3	<0.05	0.3	1.08	5.7	<0.02	<1	<0.1	2.9	<10	<2
936930	Soil	<0.02	0.26	5.1	0.4	<0.05	<0.1	1.03	6.5	<0.02	<1	0.1	1.3	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Copper Ridge Exploration Inc.
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
936931	Soil	1.01	17.23	10.68	193.1	251	13.6	11.3	5161	2.74	3.1	0.2	<0.2	0.3	30.7	0.80	0.34	0.14	51	0.44	
936932	Soil	1.07	14.32	10.33	90.2	818	10.6	7.7	2327	2.47	4.5	0.2	<0.2	0.3	27.0	1.53	0.34	0.13	48	0.30	
936933	Soil	1.11	11.10	8.84	43.2	873	4.7	2.2	682	1.41	3.1	0.1	<0.2	<0.1	22.9	0.34	0.37	0.12	37	0.17	
936934	Soil	2.08	29.90	10.00	86.5	511	18.1	8.9	862	3.18	5.7	0.7	<0.2	0.2	61.1	0.63	0.27	0.16	75	0.41	
936935	Soil	1.20	21.68	8.98	100.7	178	16.3	10.0	1245	3.08	7.7	0.2	0.9	0.1	33.8	0.28	0.44	0.12	62	0.35	
936936	Soil	1.65	15.33	10.19	48.3	316	8.7	4.2	247	2.08	6.1	0.2	0.8	<0.1	28.5	0.22	0.48	0.13	56	0.13	
936937	Soil	1.27	13.42	10.98	33.9	418	5.0	2.5	212	1.63	4.3	0.1	1.5	<0.1	18.9	0.29	0.41	0.18	45	0.13	
936938	Soil	0.98	13.26	9.50	52.3	656	7.2	3.9	302	2.22	4.7	0.2	0.3	<0.1	17.6	0.28	0.41	0.15	50	0.13	
936939	Soil	0.92	8.02	4.02	53.7	454	4.0	1.6	73	0.37	1.1	<0.1	0.6	<0.1	58.3	1.53	0.22	0.06	9	0.60	
936940	Soil	0.79	16.83	4.60	356.4	1281	7.0	2.2	102	0.59	1.7	0.2	1.0	0.2	124.7	0.81	0.29	0.07	11	1.11	
936941	Soil	1.01	19.26	6.68	74.7	1252	7.0	3.8	1860	0.79	1.9	<0.1	<0.2	<0.1	51.1	2.64	0.29	0.10	18	0.40	
936942	Soil	0.86	18.59	9.46	117.9	1610	12.1	6.3	2465	0.62	0.5	<0.1	0.4	<0.1	52.4	3.10	0.28	0.08	13	0.66	
936943	Soil	1.14	15.12	7.24	60.4	344	9.6	5.5	2241	1.84	7.8	0.2	<0.2	<0.1	36.3	0.68	0.47	0.16	39	0.42	
936944	Soil	1.16	11.50	8.48	45.1	689	6.9	4.0	494	1.99	6.4	0.1	0.2	<0.1	18.4	0.48	0.51	0.14	41	0.17	
936945	Soil	1.42	26.72	7.97	66.2	417	10.5	8.9	2899	2.11	14.1	0.3	1.0	<0.1	26.7	1.11	0.60	0.16	40	0.22	
936946	Soil	2.36	72.96	11.31	78.0	840	22.8	11.5	1186	2.19	45.6	0.5	0.5	0.5	65.3	3.03	1.19	0.24	40	0.90	
936947	Soil	0.99	16.51	7.10	37.1	219	17.6	8.0	590	1.48	13.3	0.2	0.2	0.2	90.3	0.53	0.68	1.54	28	1.55	
936948	Soil	1.41	11.69	10.39	47.1	44	10.4	7.3	1665	1.79	10.0	0.1	0.4	<0.1	41.4	0.27	0.57	0.30	34	0.63	
936949	Soil	0.83	21.44	10.47	36.7	1199	12.5	3.0	162	0.76	2.2	0.4	<0.2	0.3	97.7	0.61	0.15	0.20	17	0.62	
936950	Soil	2.62	12.03	8.07	81.9	155	19.1	10.0	777	2.74	9.4	0.2	<0.2	0.3	35.4	0.42	0.54	0.19	56	0.63	
162503	Soil	0.86	15.47	6.36	141.2	126	6.3	4.6	3608	0.90	2.9	<0.1	<0.2	<0.1	73.6	0.96	0.27	0.07	15	1.47	
162504	Soil	0.87	12.02	6.78	99.4	279	4.6	2.8	1074	0.71	1.9	<0.1	<0.2	0.1	42.2	0.57	0.32	0.06	14	0.83	
162505	Soil	1.09	9.26	7.82	77.0	260	5.7	4.6	678	0.96	2.4	<0.1	0.8	<0.1	94.5	1.02	0.36	0.09	19	1.12	
162506	Soil	1.11	8.75	9.44	96.8	598	5.0	4.2	2858	1.10	1.7	<0.1	0.8	<0.1	58.2	1.54	0.38	0.09	20	0.90	
162507	Soil	0.91	63.24	6.19	131.2	738	20.0	5.6	1605	0.93	2.5	0.3	<0.2	<0.1	149.2	3.69	0.46	0.10	14	2.23	
162508	Soil	1.07	32.43	8.82	147.9	294	19.0	13.9	3724	2.49	7.6	0.2	0.4	0.1	80.6	1.91	0.51	0.18	44	0.95	
162509	Soil	1.88	308.6	8.49	55.7	985	40.4	11.2	1587	2.38	10.5	0.8	9.0	0.5	126.2	0.93	1.21	0.33	31	1.84	
162510	Soil	1.18	16.63	8.82	142.6	310	14.7	10.0	2446	2.02	4.1	0.1	0.3	0.3	54.8	2.24	0.45	0.15	37	0.84	
162511	Soil	1.48	21.58	9.28	169.2	626	15.9	12.6	1640	2.30	4.2	0.2	0.5	0.4	59.1	2.57	0.61	0.22	39	0.86	
162512	Soil	1.41	19.52	9.80	176.1	428	12.5	11.2	4075	1.78	4.3	0.1	0.9	0.2	57.5	2.48	0.48	0.23	32	0.70	

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

Page: 3 of 10 Part 2

CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	Analyte	Unit	MDL	1F30 P	1F30 La	1F30 Cr	1F30 Mg	1F30 Ba	1F30 Ti	1F30 B	1F30 Al	1F30 Na	1F30 K	1F30 W	1F30 Sc	1F30 TI	1F30 S	1F30 Hg	1F30 Se	1F30 Te	1F30 Ga	1F30 Cs	1F30 Ge
				%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
				0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
936931	Soil			0.158	5.6	17.4	0.19	499.1	0.026	2	1.06	0.008	0.10	<0.1	2.5	0.11	0.03	58	0.3	0.04	6.0	0.96	<0.1
936932	Soil			0.139	4.7	15.2	0.18	243.2	0.014	1	0.93	0.009	0.07	<0.1	0.9	0.08	0.03	64	0.2	0.06	4.9	0.70	<0.1
936933	Soil			0.095	3.7	10.5	0.06	188.7	0.008	2	0.51	0.010	0.09	<0.1	0.4	0.08	0.04	149	0.2	0.05	3.7	0.56	<0.1
936934	Soil			0.132	12.0	24.7	0.36	285.2	0.003	1	2.72	0.009	0.08	<0.1	2.1	0.10	0.04	64	0.5	0.08	9.3	1.01	<0.1
936935	Soil			0.083	5.1	19.9	0.34	235.5	0.014	2	1.56	0.007	0.10	<0.1	2.1	0.08	0.03	109	0.3	0.05	5.8	0.69	<0.1
936936	Soil			0.080	4.9	14.4	0.09	183.7	0.009	1	0.92	0.009	0.05	<0.1	1.0	0.06	0.05	130	0.3	0.06	5.8	0.96	<0.1
936937	Soil			0.074	4.1	10.4	0.05	127.6	0.007	3	0.58	0.007	0.06	<0.1	0.3	0.08	0.03	140	0.2	0.04	4.4	0.79	<0.1
936938	Soil			0.092	4.1	13.5	0.10	126.2	0.017	2	0.79	0.009	0.06	<0.1	1.3	0.08	0.03	87	0.3	0.03	5.3	0.88	<0.1
936939	Soil			0.084	1.3	4.5	0.06	126.2	0.009	5	0.17	0.012	0.06	<0.1	0.7	<0.02	0.12	193	0.5	0.05	0.8	0.28	<0.1
936940	Soil			0.122	9.5	7.0	0.09	276.4	0.007	5	0.52	0.014	0.08	<0.1	1.8	0.03	0.14	220	0.7	0.06	1.4	0.27	<0.1
936941	Soil			0.093	2.9	9.3	0.04	412.1	0.005	3	0.32	0.015	0.06	<0.1	0.2	0.08	0.06	126	0.2	0.04	1.5	0.28	<0.1
936942	Soil			0.121	1.7	18.1	0.15	418.0	0.021	5	0.27	0.015	0.10	<0.1	0.8	0.10	0.11	251	0.5	<0.02	1.5	0.60	<0.1
936943	Soil			0.079	3.7	13.6	0.17	229.9	0.017	4	0.77	0.008	0.08	<0.1	1.3	0.13	0.05	195	0.3	0.05	3.7	0.65	<0.1
936944	Soil			0.075	3.7	11.7	0.08	131.4	0.014	3	0.55	0.008	0.06	<0.1	1.0	0.07	0.03	69	0.3	0.05	3.6	0.45	<0.1
936945	Soil			0.096	6.3	11.8	0.11	236.3	0.012	3	0.79	0.008	0.05	<0.1	1.5	0.11	0.04	86	0.4	0.04	3.9	0.44	<0.1
936946	Soil			0.133	26.2	23.4	0.28	215.3	0.015	5	1.12	0.019	0.09	<0.1	4.4	0.09	0.08	148	1.0	0.06	4.2	0.85	<0.1
936947	Soil			0.078	8.4	20.8	0.37	140.2	0.022	5	1.04	0.023	0.08	0.1	2.1	0.06	0.10	137	0.4	0.04	3.7	2.52	<0.1
936948	Soil			0.108	3.6	13.6	0.20	151.9	0.018	3	0.87	0.012	0.11	<0.1	1.3	0.07	0.07	121	0.3	0.06	4.0	1.00	<0.1
936949	Soil			0.121	10.5	10.1	0.08	523.5	0.003	2	1.43	0.011	0.06	<0.1	3.1	0.09	0.06	148	0.5	<0.02	4.8	1.07	<0.1
936950	Soil			0.113	3.8	28.3	0.41	131.5	0.046	3	1.30	0.020	0.09	<0.1	2.2	0.06	0.05	72	0.4	0.03	6.1	1.60	<0.1
162503	Soil			0.116	2.0	6.9	0.18	464.2	0.013	9	0.46	0.010	0.12	<0.1	0.6	0.19	0.13	392	0.4	<0.02	1.8	0.52	<0.1
162504	Soil			0.117	1.5	6.1	0.11	172.3	0.012	5	0.37	0.009	0.08	<0.1	0.9	0.09	0.14	374	0.6	0.03	1.4	0.34	<0.1
162505	Soil			0.103	2.1	7.7	0.20	225.6	0.012	5	0.39	0.011	0.08	<0.1	0.7	0.03	0.14	203	0.4	<0.02	1.9	0.54	<0.1
162506	Soil			0.109	2.3	7.9	0.10	374.8	0.016	4	0.36	0.014	0.13	<0.1	0.7	0.09	0.10	264	0.4	0.02	2.0	0.51	<0.1
162507	Soil			0.132	17.7	7.4	0.18	231.4	0.006	5	0.64	0.012	0.10	<0.1	1.3	0.06	0.15	157	1.0	0.05	2.0	0.38	<0.1
162508	Soil			0.076	6.5	16.0	0.30	343.8	0.017	3	1.08	0.008	0.17	<0.1	1.8	0.08	0.05	63	0.4	0.06	4.1	0.70	<0.1
162509	Soil			0.126	28.6	18.1	0.36	261.2	0.004	2	1.95	0.018	0.07	0.5	6.1	0.18	0.18	182	6.5	0.10	4.9	1.13	0.2
162510	Soil			0.133	4.3	13.2	0.24	230.2	0.027	4	0.76	0.010	0.09	<0.1	1.9	0.05	0.06	97	0.3	0.04	3.8	0.80	<0.1
162511	Soil			0.214	5.1	17.8	0.25	217.0	0.030	4	1.04	0.010	0.13	0.2	2.3	0.06	0.05	82	0.5	0.05	4.2	1.09	<0.1
162512	Soil			0.110	4.4	11.9	0.13	293.7	0.023	3	0.70	0.009	0.10	0.2	1.4	0.08	0.06	113	0.4	0.07	3.4	0.75	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

Page: 3 of 10 Part 3

CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	Analyte	Unit	MDL	1F30 Hf	1F30 Nb	1F30 Rb	1F30 Sn	1F30 Ta	1F30 Zr	1F30 Y	1F30 Ce	1F30 In	1F30 Re	1F30 Be	1F30 Li	1F30 Pd	1F30 Pt
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppb
				0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
936931	Soil			<0.02	0.73	24.1	0.6	<0.05	0.5	2.17	11.7	0.02	<1	0.2	3.8	<10	<2
936932	Soil			<0.02	0.39	9.7	0.5	<0.05	0.3	1.99	9.4	0.02	1	0.2	3.5	<10	<2
936933	Soil			<0.02	0.32	5.3	0.5	<0.05	<0.1	1.11	6.9	<0.02	<1	0.1	1.1	<10	<2
936934	Soil			0.03	0.66	8.7	0.8	<0.05	0.7	8.80	21.1	0.03	<1	0.7	9.0	<10	<2
936935	Soil			<0.02	0.47	22.5	0.4	<0.05	<0.1	2.37	10.7	0.03	<1	0.4	8.5	<10	<2
936936	Soil			<0.02	0.64	6.3	0.5	<0.05	0.2	1.68	8.8	0.02	<1	0.1	2.3	<10	<2
936937	Soil			<0.02	0.38	6.5	0.6	<0.05	<0.1	1.11	7.9	0.02	<1	<0.1	0.9	<10	<2
936938	Soil			<0.02	1.13	5.4	0.6	<0.05	0.3	1.42	8.1	<0.02	<1	<0.1	2.6	<10	<2
936939	Soil			<0.02	0.14	3.1	0.2	<0.05	0.3	0.45	2.3	<0.02	<1	<0.1	0.2	<10	<2
936940	Soil			0.03	0.28	3.7	0.2	<0.05	0.7	8.07	17.1	<0.02	<1	0.2	1.2	<10	<2
936941	Soil			<0.02	0.20	1.8	0.3	<0.05	<0.1	0.96	5.5	<0.02	<1	<0.1	0.5	<10	<2
936942	Soil			<0.02	0.36	3.5	0.3	<0.05	0.3	0.71	3.3	<0.02	1	0.2	0.9	<10	<2
936943	Soil			<0.02	0.52	4.9	0.3	<0.05	0.2	1.43	8.4	<0.02	<1	0.2	3.0	<10	<2
936944	Soil			<0.02	0.55	4.1	0.5	<0.05	0.1	1.19	7.4	<0.02	<1	0.2	1.8	<10	<2
936945	Soil			<0.02	0.41	3.5	0.3	<0.05	<0.1	3.60	16.8	0.02	<1	0.2	3.0	<10	<2
936946	Soil			0.03	0.50	10.3	0.4	<0.05	1.2	20.25	18.2	0.03	<1	0.5	5.1	<10	<2
936947	Soil			0.05	1.24	7.4	0.3	<0.05	2.0	6.56	11.9	<0.02	<1	0.2	3.7	<10	<2
936948	Soil			<0.02	0.72	11.8	0.4	<0.05	0.2	1.44	7.6	<0.02	<1	0.3	3.9	<10	<2
936949	Soil			<0.02	0.50	6.0	0.4	<0.05	0.7	6.56	18.0	<0.02	1	0.5	3.5	<10	<2
936950	Soil			0.03	2.01	14.6	0.5	<0.05	1.6	2.27	8.2	0.02	<1	0.1	6.6	<10	<2
162503	Soil			<0.02	0.34	6.1	0.2	<0.05	<0.1	0.88	4.1	<0.02	<1	<0.1	2.4	<10	<2
162504	Soil			<0.02	0.28	2.6	0.2	<0.05	0.4	0.90	3.0	<0.02	<1	<0.1	1.6	<10	<2
162505	Soil			<0.02	0.49	3.6	0.2	<0.05	0.2	1.04	4.0	<0.02	<1	0.1	2.1	<10	<2
162506	Soil			<0.02	0.27	4.9	0.3	<0.05	<0.1	0.89	4.3	<0.02	1	<0.1	1.6	<10	<2
162507	Soil			<0.02	0.31	3.5	0.2	<0.05	0.4	21.29	24.3	<0.02	<1	0.4	1.9	<10	<2
162508	Soil			<0.02	0.50	15.3	0.3	<0.05	0.2	4.34	15.9	0.02	<1	0.3	4.6	<10	<2
162509	Soil			0.06	0.55	7.8	0.3	<0.05	2.1	46.25	30.8	0.03	15	0.6	7.7	<10	<2
162510	Soil			<0.02	0.77	18.5	0.4	<0.05	0.5	2.03	9.0	<0.02	<1	0.2	4.5	<10	<2
162511	Soil			<0.02	0.58	16.2	0.4	<0.05	0.5	1.91	10.2	0.03	<1	0.2	2.5	<10	<2
162512	Soil			<0.02	0.62	9.0	0.4	<0.05	0.3	1.75	8.5	<0.02	<1	0.2	2.2	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
162513	Soil	1.23	12.36	9.04	137.3	96	12.5	11.0	1067	2.16	4.0	0.1	0.4	0.3	54.7	2.91	0.50	0.17	43	0.78	
162514	Soil	0.99	27.95	3.86	122.2	503	8.0	10.0	1302	0.59	1.9	<0.1	<0.2	<0.1	84.7	4.07	0.26	0.12	6	1.86	
162515	Soil	1.77	28.58	27.45	274.0	864	15.4	30.4	5760	2.65	7.4	0.1	<0.2	<0.1	70.4	2.50	3.10	0.18	32	1.40	
162516	Soil	3.00	33.75	8.26	107.9	236	13.5	9.3	1208	2.05	6.1	0.1	<0.2	<0.1	52.1	1.59	0.52	0.23	36	1.04	
162517	Soil	1.21	76.20	12.12	84.0	785	25.9	20.5	2851	4.06	8.3	0.9	1.1	0.5	69.0	1.45	2.13	0.75	52	1.43	
162518	Soil	0.83	17.95	6.77	85.0	533	7.6	7.4	660	1.05	1.6	<0.1	<0.2	<0.1	67.3	2.14	0.30	0.11	22	1.35	
162519	Soil	2.21	29.06	10.41	87.1	174	15.5	12.9	1831	3.36	6.1	0.2	0.9	0.2	37.1	0.47	1.14	0.37	56	0.74	
162520	Soil	1.28	8.70	8.23	45.0	105	7.1	5.5	194	1.90	5.0	0.1	3.9	0.2	25.4	0.89	0.66	0.25	41	0.55	
162521	Soil	1.84	15.97	10.85	83.7	207	12.3	11.5	1697	2.66	5.9	0.2	0.4	0.3	31.7	0.68	0.82	0.39	54	0.42	
162522	Soil	3.05	73.51	11.09	82.1	845	23.7	15.6	1926	3.39	11.0	1.0	0.8	0.4	73.6	0.92	0.72	0.34	60	1.11	
162523	Soil	2.44	20.41	10.13	75.4	212	10.6	6.0	283	2.72	9.1	0.2	4.6	0.2	29.4	1.25	0.66	0.32	62	0.36	
162524	Soil	1.76	25.80	9.74	68.9	137	12.3	13.8	1821	2.61	5.0	0.3	0.4	<0.1	34.5	0.44	0.52	0.21	56	0.29	
162525	Soil	0.67	16.69	3.62	25.1	362	4.8	3.0	91	0.54	1.3	0.2	6.1	0.2	76.4	0.39	0.32	0.13	8	1.03	
162526	Soil	0.84	14.42	12.77	63.2	679	5.7	4.5	536	1.39	21.3	<0.1	2.1	<0.1	22.6	0.58	1.57	0.19	27	0.38	
162527	Soil	1.40	55.87	6.22	129.4	1260	19.8	9.7	1003	1.90	16.3	0.6	1.5	0.3	97.4	3.06	0.91	0.16	26	1.79	
162528	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
162529	Soil	1.06	23.43	9.23	51.2	241	11.5	10.4	464	2.22	4.6	0.4	1.8	<0.1	42.7	0.26	0.38	0.13	46	0.34	
162530	Soil	0.87	12.35	7.57	34.5	249	7.1	3.4	146	1.58	4.2	0.2	1.2	<0.1	34.8	0.32	0.32	0.12	39	0.19	
162532	Soil	0.74	8.11	7.90	56.9	314	6.7	3.0	445	1.51	3.2	0.1	1.3	<0.1	27.3	0.33	0.30	0.10	30	0.36	
162533	Soil	0.93	12.90	8.14	38.7	105	7.5	3.4	190	1.53	4.2	0.1	0.4	<0.1	39.6	0.40	0.47	0.09	34	0.61	
162534	Soil	1.10	18.54	8.79	86.4	618	8.3	8.8	1892	2.05	3.6	0.1	1.2	<0.1	35.6	1.78	0.33	0.12	42	0.39	
162535	Soil	0.57	9.69	5.05	40.0	461	6.0	2.1	254	0.41	1.6	<0.1	0.5	<0.1	70.7	0.37	0.19	0.05	9	0.78	
162536	Soil	1.09	25.77	9.71	57.4	171	9.3	4.1	425	2.29	6.9	0.2	<0.2	<0.1	20.5	0.29	0.45	0.13	45	0.20	
162537	Soil	1.12	21.36	8.60	54.7	482	12.9	7.9	1444	1.65	5.0	0.2	<0.2	<0.1	94.6	1.84	0.46	0.10	30	1.23	
162538	Soil	2.00	34.14	4.98	47.0	1101	16.2	15.3	2564	3.39	7.2	0.5	1.8	0.2	164.4	2.56	1.08	0.10	41	2.13	
162539	Soil	1.10	11.23	9.58	46.3	199	6.0	3.3	701	1.37	3.7	0.1	0.6	<0.1	35.9	0.82	0.33	0.12	37	0.30	
162540	Soil	0.79	12.80	6.37	55.7	387	5.8	4.1	198	1.23	3.5	0.2	1.0	<0.1	76.7	0.99	0.38	0.09	29	0.88	
162541	Soil	1.02	17.35	9.50	88.3	741	8.5	6.7	1765	1.87	6.1	0.2	<0.2	<0.1	68.9	0.84	0.37	0.13	38	1.01	
162542	Soil	1.30	19.49	12.77	204.4	278	15.0	12.3	5802	2.50	5.6	0.2	<0.2	<0.1	46.5	3.30	0.44	0.17	43	0.62	
162543	Soil	0.83	28.97	6.23	35.5	163	5.7	1.9	96	1.35	4.6	0.1	<0.2	<0.1	18.9	0.15	0.32	0.08	28	0.23	

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

Page: 4 of 10 Part 2

CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
162513	Soil	0.095	4.0	15.0	0.24	186.0	0.026	3	0.88	0.008	0.11	<0.1	1.8	0.03	0.05	62	0.3	0.02	3.9	0.78	<0.1
162514	Soil	0.141	1.9	4.8	0.12	184.6	0.003	8	0.19	0.011	0.15	<0.1	0.6	0.02	0.20	210	0.5	0.04	0.6	0.78	<0.1
162515	Soil	0.157	8.0	7.7	0.27	323.7	0.011	3	1.13	0.009	0.10	<0.1	0.5	0.07	0.08	110	0.4	0.14	4.4	1.93	<0.1
162516	Soil	0.074	3.4	12.9	0.15	153.5	0.011	3	0.63	0.009	0.07	<0.1	0.8	0.04	0.09	62	0.4	0.04	3.2	1.38	<0.1
162517	Soil	0.077	26.5	27.3	0.46	319.4	0.019	4	2.40	0.013	0.08	0.5	5.5	0.10	0.05	55	0.8	0.11	6.2	3.00	<0.1
162518	Soil	0.109	2.6	8.1	0.11	181.3	0.008	4	0.42	0.011	0.09	<0.1	0.4	0.04	0.11	118	0.4	<0.02	2.0	0.70	<0.1
162519	Soil	0.090	9.3	19.3	0.29	239.7	0.010	2	1.36	0.008	0.17	<0.1	1.9	0.06	0.04	41	0.3	0.06	6.2	2.52	<0.1
162520	Soil	0.055	3.8	13.9	0.12	93.8	0.021	2	0.53	0.009	0.09	0.2	1.4	0.03	0.06	70	0.4	0.08	3.5	0.57	<0.1
162521	Soil	0.093	6.1	21.1	0.29	295.7	0.040	2	0.84	0.009	0.10	<0.1	2.0	0.06	0.03	41	0.4	0.06	5.2	1.03	<0.1
162522	Soil	0.152	16.2	24.8	0.41	254.8	0.009	1	2.28	0.014	0.10	<0.1	3.5	0.10	0.08	56	0.7	0.07	6.9	1.88	<0.1
162523	Soil	0.091	4.9	18.1	0.22	189.9	0.024	2	1.02	0.008	0.07	<0.1	1.9	0.04	0.04	46	0.4	0.08	5.8	0.85	<0.1
162524	Soil	0.058	7.2	16.2	0.18	255.1	0.019	2	1.13	0.007	0.06	<0.1	1.6	0.09	<0.02	39	0.3	0.06	5.8	1.04	<0.1
162525	Soil	0.075	6.9	6.8	0.06	172.7	0.005	2	0.38	0.013	0.05	<0.1	1.3	0.03	0.13	209	1.3	<0.02	1.2	0.40	<0.1
162526	Soil	0.097	2.5	9.4	0.06	217.7	0.007	4	0.36	0.008	0.08	<0.1	0.4	0.06	0.09	168	0.5	0.04	3.0	0.79	<0.1
162527	Soil	0.133	35.9	14.9	0.19	334.2	0.008	3	1.93	0.017	0.04	<0.1	5.0	0.13	0.14	174	4.3	0.04	3.5	0.96	0.2
162528	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162529	Soil	0.081	13.9	14.9	0.21	221.6	0.008	<1	1.35	0.008	0.06	<0.1	1.6	0.07	0.05	94	1.0	<0.02	5.1	0.63	0.1
162530	Soil	0.047	3.7	10.4	0.08	146.0	0.008	2	0.73	0.009	0.03	<0.1	0.4	0.05	0.03	82	0.6	0.03	3.8	0.63	<0.1
162532	Soil	0.090	2.3	11.0	0.11	121.0	0.014	1	0.56	0.007	0.07	<0.1	0.8	0.05	0.05	211	0.6	0.03	3.0	0.59	<0.1
162533	Soil	0.067	2.4	11.9	0.12	153.9	0.008	3	0.55	0.010	0.04	<0.1	0.8	0.03	0.10	112	0.8	0.04	2.9	0.50	<0.1
162534	Soil	0.064	3.8	12.6	0.09	264.7	0.013	2	0.66	0.009	0.06	<0.1	1.0	0.06	0.03	90	0.7	0.02	4.1	0.64	<0.1
162535	Soil	0.105	0.9	7.4	0.10	98.5	0.007	3	0.18	0.011	0.07	<0.1	0.8	<0.02	0.17	200	0.8	<0.02	0.9	0.28	<0.1
162536	Soil	0.116	3.3	14.6	0.10	101.7	0.013	5	0.64	0.009	0.07	<0.1	0.7	0.03	0.09	56	0.7	0.05	4.0	0.55	<0.1
162537	Soil	0.097	14.4	13.0	0.19	182.4	0.009	1	1.05	0.014	0.05	<0.1	1.5	0.08	0.13	211	1.4	0.05	3.1	0.72	<0.1
162538	Soil	0.212	34.7	14.0	0.19	220.7	0.008	2	1.36	0.017	0.04	<0.1	4.5	0.14	0.21	254	4.8	0.05	2.6	0.64	0.3
162539	Soil	0.062	3.8	10.9	0.09	138.9	0.011	1	0.67	0.011	0.06	<0.1	0.9	0.06	0.04	73	0.5	0.05	4.0	0.61	<0.1
162540	Soil	0.072	4.2	9.9	0.10	163.4	0.008	2	0.66	0.010	0.05	<0.1	0.9	0.04	0.10	114	0.8	0.04	3.1	0.34	<0.1
162541	Soil	0.098	3.3	12.0	0.17	263.9	0.013	5	0.62	0.007	0.12	<0.1	0.8	0.09	0.09	170	0.9	0.03	3.7	0.53	<0.1
162542	Soil	0.112	3.9	15.1	0.22	456.6	0.009	1	1.07	0.007	0.06	<0.1	0.9	0.12	0.05	139	0.8	0.07	4.4	0.77	<0.1
162543	Soil	0.079	1.9	11.5	0.03	80.9	0.010	2	0.30	0.008	0.05	<0.1	0.5	<0.02	0.13	58	0.7	0.07	2.4	0.66	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

Page: 4 of 10 Part 3

CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	Analyte	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	
162513	Soil	<0.02	0.71	12.8	0.3	<0.05	0.5	1.63	7.9	<0.02	<1	0.2	4.2	<10	<2
162514	Soil	<0.02	0.16	4.5	0.2	<0.05	0.2	1.07	3.0	<0.02	<1	<0.1	0.8	<10	<2
162515	Soil	<0.02	0.83	6.0	0.4	<0.05	0.2	3.45	14.8	<0.02	<1	0.8	7.3	<10	<2
162516	Soil	<0.02	0.81	8.5	0.4	<0.05	0.2	1.80	7.7	0.02	<1	0.2	3.6	<10	<2
162517	Soil	<0.02	1.26	14.9	0.6	<0.05	0.9	19.05	35.9	0.06	<1	0.9	15.9	<10	<2
162518	Soil	<0.02	0.42	4.3	0.4	<0.05	0.1	1.11	4.8	<0.02	<1	0.1	1.2	<10	<2
162519	Soil	<0.02	0.92	15.7	0.5	<0.05	0.1	2.96	20.1	0.03	<1	0.3	9.8	<10	<2
162520	Soil	<0.02	0.89	7.1	0.4	<0.05	0.7	1.14	7.3	<0.02	<1	<0.1	2.6	<10	<2
162521	Soil	<0.02	1.01	14.5	0.5	<0.05	0.4	2.18	12.3	0.02	<1	0.2	5.3	<10	<2
162522	Soil	0.03	1.20	17.0	0.6	<0.05	0.9	12.38	26.7	0.05	<1	0.7	8.8	<10	<2
162523	Soil	<0.02	1.17	10.3	0.5	<0.05	0.4	1.51	9.7	0.02	<1	0.2	4.4	<10	<2
162524	Soil	<0.02	0.58	12.2	0.5	<0.05	0.1	3.31	15.3	0.02	<1	0.4	4.1	<10	<2
162525	Soil	<0.02	0.16	2.5	0.1	<0.05	0.8	7.85	7.9	0.02	<1	<0.1	0.6	<10	<2
162526	Soil	<0.02	0.36	4.9	0.4	<0.05	0.2	0.85	4.7	<0.02	2	0.2	0.7	<10	2
162527	Soil	0.03	0.51	3.8	0.3	<0.05	1.2	48.96	50.8	0.05	1	1.2	4.8	<10	<2
162528	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162529	Soil	<0.02	0.65	5.3	0.5	<0.05	0.1	8.92	25.2	0.03	<1	0.5	3.9	<10	<2
162530	Soil	<0.02	0.35	5.2	0.4	<0.05	<0.1	1.38	7.6	0.02	<1	0.6	1.2	<10	<2
162532	Soil	<0.02	0.58	5.7	0.3	<0.05	0.2	0.90	4.6	<0.02	<1	0.3	2.0	<10	<2
162533	Soil	<0.02	0.40	3.3	0.3	<0.05	0.2	1.19	5.2	<0.02	<1	0.2	1.6	<10	<2
162534	Soil	<0.02	0.42	6.6	0.4	<0.05	0.2	1.35	7.5	<0.02	<1	0.2	1.6	<10	<2
162535	Soil	<0.02	0.17	1.9	0.1	<0.05	0.3	0.49	1.5	<0.02	<1	<0.1	0.4	<10	<2
162536	Soil	<0.02	0.68	10.4	0.5	<0.05	0.2	1.54	6.7	<0.02	2	<0.1	1.9	<10	<2
162537	Soil	<0.02	0.51	6.7	0.3	<0.05	0.2	15.82	22.2	<0.02	<1	0.8	3.2	<10	<2
162538	Soil	<0.02	0.37	3.3	0.2	<0.05	1.4	60.43	41.4	0.03	3	<0.1	3.8	<10	<2
162539	Soil	<0.02	0.38	5.7	0.5	<0.05	0.1	1.54	7.3	<0.02	<1	<0.1	2.2	<10	<2
162540	Soil	<0.02	0.49	3.1	0.3	<0.05	0.2	3.84	7.4	<0.02	<1	<0.1	2.3	<10	<2
162541	Soil	<0.02	0.65	10.3	0.4	<0.05	0.1	1.56	6.4	<0.02	<1	0.5	2.8	<10	<2
162542	Soil	<0.02	0.19	7.0	0.4	<0.05	0.2	2.33	8.9	0.03	2	0.5	5.5	<10	<2
162543	Soil	<0.02	0.47	4.5	0.3	<0.05	0.2	0.86	3.6	<0.02	<1	<0.1	0.3	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
162544	Soil	1.07	20.64	8.26	119.1	165	13.6	9.4	1725	2.60	8.2	0.2	0.5	<0.1	52.9	1.10	0.49	0.11	48	0.99	
162545	Soil	1.04	12.38	10.70	76.1	243	8.6	7.1	2187	2.15	3.3	0.1	0.6	0.2	22.0	1.19	0.46	0.14	45	0.23	
162546	Soil	1.08	12.72	8.97	54.2	239	8.9	4.4	227	2.35	4.6	0.1	1.2	0.1	24.6	0.41	0.53	0.12	56	0.14	
162547	Soil	0.79	9.14	8.57	66.4	338	6.5	4.6	516	1.59	2.9	0.1	<0.2	<0.1	30.7	0.59	0.36	0.10	33	0.33	
162548	Soil	0.67	17.85	7.38	48.5	525	11.8	7.6	544	1.48	4.0	0.2	0.2	<0.1	72.4	1.37	0.64	0.07	28	1.00	
162549	Soil	0.96	48.57	10.23	128.3	1249	25.9	12.5	2426	2.60	11.0	0.4	<0.2	0.2	69.2	2.46	1.44	0.11	44	1.32	
162550	Soil	0.62	6.49	5.64	44.5	428	3.1	1.5	131	0.58	1.5	<0.1	1.0	0.1	25.4	0.42	0.25	0.05	13	0.29	
162552	Soil	1.00	9.26	3.26	30.0	606	1.6	1.0	225	0.22	<0.1	<0.1	<0.2	<0.1	51.4	0.34	0.25	0.06	2	0.51	
162553	Soil	1.05	14.77	9.43	140.0	488	7.2	4.3	2909	1.49	4.3	<0.1	0.4	<0.1	63.8	1.59	0.53	0.24	26	0.78	
162554	Soil	1.24	16.01	8.15	67.5	785	5.9	5.0	1702	1.14	2.7	0.2	<0.2	<0.1	66.0	1.51	0.66	0.13	21	0.75	
162555	Soil	0.90	11.48	8.75	60.8	142	4.1	3.2	2900	0.73	1.0	<0.1	<0.2	<0.1	22.2	0.72	0.28	0.08	12	0.33	
162556	Soil	1.53	40.37	8.61	51.1	658	13.9	9.3	1795	2.06	9.5	0.2	4.8	0.2	93.4	1.44	0.73	0.21	38	1.13	
162557	Soil	1.22	11.56	6.00	19.6	180	5.7	2.5	151	0.59	3.4	<0.1	<0.2	<0.1	81.9	0.48	0.37	0.12	10	1.00	
162558	Soil	1.32	28.35	6.59	291.1	609	11.9	9.0	2176	0.99	2.5	<0.1	<0.2	<0.1	92.0	6.72	0.37	0.11	21	1.42	
162564	Soil	1.28	20.18	10.25	56.1	283	17.8	12.7	2915	0.88	2.4	<0.1	<0.2	<0.1	102.8	1.03	0.33	0.19	15	1.00	
162565	Soil	2.11	27.94	10.06	196.5	1064	21.0	16.6	5746	1.55	9.8	0.1	0.7	0.1	125.5	5.73	0.51	0.21	23	1.51	
162566	Soil	1.78	33.95	7.29	62.9	1088	16.8	10.4	2834	1.15	4.8	0.2	<0.2	<0.1	101.9	2.78	0.51	0.16	20	1.64	
162567	Soil	1.59	10.47	4.32	54.1	457	4.8	2.2	276	0.61	3.3	<0.1	<0.2	<0.1	72.8	1.53	0.31	0.10	12	1.33	
162568	Soil	16.05	204.9	11.56	135.5	814	39.7	10.3	>10000	3.62	47.2	2.6	9.0	0.7	169.5	1.29	1.87	0.51	46	1.60	
162569	Soil	1.49	132.5	13.01	104.9	726	38.4	13.9	1264	3.64	16.6	0.4	4.1	0.9	56.3	1.31	1.45	0.46	55	0.58	
162570	Soil	1.43	34.00	12.11	198.4	329	16.4	8.7	1715	2.24	6.9	0.2	2.3	0.3	142.3	4.78	0.89	0.33	34	1.71	
162571	Soil	1.32	49.50	11.36	220.3	535	29.9	18.3	6891	1.71	3.8	0.1	1.5	<0.1	82.9	7.17	0.54	0.21	22	1.14	
162573	Soil	1.08	15.92	10.88	68.8	335	12.8	10.5	2019	2.07	4.4	0.1	0.8	0.3	55.4	1.29	0.56	0.20	38	0.53	
162575	Soil	1.11	11.12	11.95	114.6	296	7.6	6.2	2295	1.97	3.3	0.1	0.6	<0.1	30.1	2.19	0.42	0.52	36	0.38	
162576	Soil	2.62	43.24	11.01	173.1	225	20.8	19.0	1368	2.48	13.9	0.3	0.8	0.2	92.5	1.41	0.64	0.22	41	0.96	
162577	Soil	1.27	13.83	9.57	61.5	184	9.1	6.6	570	2.13	3.8	0.1	2.2	0.1	39.3	0.44	0.51	0.21	41	0.27	
162578	Soil	0.65	12.75	7.97	38.1	176	10.5	5.1	319	1.34	2.1	0.1	7.0	<0.1	78.0	0.53	0.30	0.19	30	0.44	
162579	Soil	1.06	9.75	7.42	66.4	493	6.7	3.1	712	1.10	2.2	0.1	1.4	<0.1	18.5	0.51	0.35	0.13	23	0.24	
162580	Soil	3.60	152.8	16.02	253.9	1330	75.1	55.3	7448	5.68	16.1	1.1	1.9	1.1	102.0	1.99	1.34	0.50	60	1.54	
162581	Soil	2.03	193.9	11.55	73.8	1928	55.3	10.9	1306	1.96	6.9	1.7	4.4	0.4	135.7	3.27	1.28	0.38	25	2.40	

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

Page: 5 of 10 Part 2

CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
162544	Soil	0.088	3.5	16.2	0.23	297.1	0.011	2	0.93	0.007	0.09	<0.1	1.4	0.04	0.06	124	0.9	0.06	4.3	0.48	<0.1
162545	Soil	0.071	3.6	12.5	0.09	279.1	0.016	1	0.67	0.006	0.06	<0.1	1.6	0.06	0.02	56	0.6	0.03	4.3	0.52	<0.1
162546	Soil	0.041	4.0	12.7	0.09	196.5	0.017	<1	0.69	0.008	0.04	<0.1	1.6	0.02	0.03	75	0.9	0.03	4.5	0.52	<0.1
162547	Soil	0.079	2.6	10.5	0.08	262.3	0.010	2	0.46	0.007	0.12	<0.1	0.8	0.03	0.06	163	0.6	0.06	3.1	0.37	<0.1
162548	Soil	0.073	10.9	12.3	0.13	147.9	0.007	1	0.74	0.011	0.05	<0.1	1.1	0.04	0.10	146	1.3	0.04	2.8	0.96	<0.1
162549	Soil	0.090	34.4	18.7	0.28	198.3	0.006	3	1.99	0.011	0.07	<0.1	3.2	0.12	0.06	185	2.0	0.07	5.8	2.03	0.2
162550	Soil	0.072	1.2	8.6	0.04	154.7	0.012	1	0.21	0.012	0.10	<0.1	1.2	0.03	0.08	182	1.3	0.03	1.4	0.38	<0.1
162552	Soil	0.095	0.5	7.3	0.07	152.4	0.005	2	0.10	0.016	0.12	<0.1	0.8	<0.02	0.13	182	1.4	<0.02	0.4	0.14	<0.1
162553	Soil	0.089	2.8	11.1	0.11	382.6	0.015	4	0.39	0.012	0.10	<0.1	0.9	0.04	0.07	101	0.9	0.04	2.3	0.26	<0.1
162554	Soil	0.086	5.5	10.3	0.11	237.7	0.019	2	0.39	0.010	0.09	<0.1	1.1	0.04	0.08	107	1.0	0.05	2.1	0.29	<0.1
162555	Soil	0.109	2.0	7.7	0.07	165.3	0.012	4	0.33	0.012	0.12	<0.1	1.0	0.05	0.07	119	1.4	0.06	1.6	0.26	<0.1
162556	Soil	0.078	7.7	14.9	0.21	275.9	0.022	3	0.80	0.012	0.10	<0.1	2.5	0.07	0.05	75	1.1	0.05	3.9	0.59	<0.1
162557	Soil	0.066	1.7	8.1	0.12	258.2	0.011	2	0.25	0.014	0.09	<0.1	0.7	<0.02	0.12	99	0.9	0.04	0.9	0.23	<0.1
162558	Soil	0.076	2.1	16.7	0.20	356.1	0.025	4	0.35	0.013	0.12	<0.1	1.1	0.05	0.10	105	0.9	0.06	2.0	0.57	<0.1
162564	Soil	0.087	2.6	8.7	0.07	309.3	0.010	2	0.34	0.009	0.09	<0.1	0.6	0.04	0.08	123	0.9	0.06	1.6	0.53	<0.1
162565	Soil	0.139	3.9	11.5	0.16	455.1	0.018	5	0.64	0.011	0.13	<0.1	1.4	0.06	0.08	150	1.0	0.04	2.7	0.48	<0.1
162566	Soil	0.084	8.9	9.9	0.12	334.6	0.007	6	0.50	0.005	0.13	0.1	0.9	0.06	0.08	137	1.0	0.05	1.9	0.49	<0.1
162567	Soil	0.070	1.2	7.8	0.09	176.6	0.007	5	0.19	0.006	0.13	<0.1	0.9	0.02	0.12	211	0.9	0.05	1.0	0.24	<0.1
162568	Soil	0.142	17.7	24.7	0.51	426.8	0.005	2	2.34	0.011	0.09	<0.1	7.4	0.29	0.12	283	1.0	0.13	5.3	0.88	<0.1
162569	Soil	0.081	19.9	26.5	0.53	267.8	0.012	2	2.04	0.009	0.18	<0.1	7.5	0.11	0.05	69	0.4	0.07	5.6	1.04	<0.1
162570	Soil	0.231	4.7	16.1	0.29	349.3	0.025	7	0.79	0.009	0.13	0.1	2.1	0.04	0.08	78	0.2	0.07	3.3	0.67	<0.1
162571	Soil	0.121	6.1	10.8	0.16	503.5	0.014	4	0.63	0.009	0.11	<0.1	1.1	0.08	0.09	103	0.4	0.03	2.8	0.67	<0.1
162573	Soil	0.054	4.4	12.7	0.12	224.8	0.024	1	0.53	0.007	0.09	<0.1	1.6	0.04	0.04	62	0.1	0.04	3.6	0.54	<0.1
162575	Soil	0.093	4.3	11.3	0.11	202.2	0.015	3	0.63	0.008	0.07	<0.1	0.6	0.04	0.04	96	0.3	0.04	3.5	0.44	<0.1
162576	Soil	0.062	3.9	14.9	0.22	109.8	0.021	5	0.91	0.011	0.14	0.2	1.9	0.08	0.10	86	0.4	0.05	3.7	1.78	<0.1
162577	Soil	0.071	4.6	13.4	0.11	225.5	0.017	2	0.66	0.008	0.06	<0.1	1.2	0.05	0.03	63	0.3	0.03	3.8	0.48	<0.1
162578	Soil	0.043	6.0	9.7	0.07	299.3	0.011	<1	0.42	0.009	0.05	0.1	0.4	0.03	0.03	53	0.3	0.04	2.7	0.41	<0.1
162579	Soil	0.110	3.3	10.7	0.12	159.5	0.014	2	0.45	0.012	0.11	0.1	0.4	0.05	0.08	117	0.2	0.03	2.4	0.40	<0.1
162580	Soil	0.204	25.3	28.3	0.45	411.6	0.008	1	3.23	0.014	0.12	<0.1	10.1	0.28	0.08	91	1.5	0.14	7.4	2.80	<0.1
162581	Soil	0.142	110.2	13.4	0.30	230.3	0.006	2	1.70	0.013	0.09	0.2	4.9	0.14	0.14	156	2.4	0.09	3.5	2.10	0.2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

Page: 5 of 10 Part 3

CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	Analyte	Unit	MDL	1F30 Hf	1F30 Nb	1F30 Rb	1F30 Sn	1F30 Ta	1F30 Zr	1F30 Y	1F30 Ce	1F30 In	1F30 Re	1F30 Be	1F30 Li	1F30 Pd	1F30 Pt
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
				0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
162544	Soil			<0.02	0.52	9.2	0.4	<0.05	0.1	1.97	7.8	0.02	<1	0.5	4.8	<10	<2
162545	Soil			<0.02	0.46	5.1	0.5	<0.05	0.2	1.13	7.3	<0.02	<1	0.2	1.7	<10	<2
162546	Soil			<0.02	0.77	4.3	0.5	<0.05	0.5	1.43	7.7	<0.02	<1	0.3	2.0	<10	<2
162547	Soil			<0.02	0.54	3.5	0.4	<0.05	0.1	0.98	5.1	<0.02	3	0.2	1.3	<10	<2
162548	Soil			<0.02	0.52	4.4	0.3	<0.05	0.2	13.39	11.6	<0.02	2	0.3	3.0	<10	<2
162549	Soil			<0.02	0.76	6.6	0.4	<0.05	0.5	37.43	40.6	0.03	<1	0.7	8.8	<10	<2
162550	Soil			<0.02	0.31	5.6	0.3	<0.05	0.3	0.50	2.4	<0.02	<1	<0.1	0.3	<10	<2
162552	Soil			<0.02	0.10	2.7	<0.1	<0.05	0.3	0.27	0.8	<0.02	<1	<0.1	<0.1	<10	3
162553	Soil			<0.02	0.52	4.0	0.4	<0.05	0.2	1.15	5.5	<0.02	<1	<0.1	0.8	<10	<2
162554	Soil			<0.02	0.90	2.4	0.3	<0.05	0.5	3.87	7.1	<0.02	<1	0.2	1.3	<10	<2
162555	Soil			<0.02	0.26	2.5	0.2	<0.05	1.5	0.63	3.6	<0.02	4	0.3	0.5	<10	5
162556	Soil			<0.02	0.69	9.0	0.4	<0.05	0.4	5.50	13.6	<0.02	1	0.3	4.2	<10	2
162557	Soil			<0.02	0.34	2.0	0.2	<0.05	0.3	1.14	3.2	<0.02	1	0.2	0.6	<10	2
162558	Soil			<0.02	0.36	6.2	0.2	<0.05	0.4	0.92	3.7	<0.02	<1	<0.1	1.7	<10	<2
162564	Soil			<0.02	0.29	5.7	0.2	<0.05	0.1	1.26	5.2	<0.02	<1	<0.1	0.8	<10	<2
162565	Soil			<0.02	0.44	10.4	0.3	<0.05	0.2	1.77	10.0	<0.02	<1	0.3	1.9	<10	<2
162566	Soil			<0.02	0.29	7.8	0.3	<0.05	<0.1	7.99	16.8	<0.02	<1	0.4	1.4	<10	<2
162567	Soil			<0.02	0.18	3.0	0.1	<0.05	0.5	0.48	2.0	<0.02	<1	0.2	0.2	<10	<2
162568	Soil			0.10	0.48	8.4	0.4	<0.05	3.0	29.91	30.6	0.05	6	0.5	9.3	<10	<2
162569	Soil			0.05	0.65	12.2	0.5	<0.05	2.0	22.83	29.1	0.04	1	0.7	8.0	<10	<2
162570	Soil			<0.02	0.57	8.5	0.3	<0.05	0.8	2.48	8.8	0.03	<1	0.4	3.0	<10	<2
162571	Soil			<0.02	0.40	8.6	0.3	<0.05	0.4	3.39	10.2	0.02	1	0.3	2.2	<10	<2
162573	Soil			<0.02	0.58	10.3	0.3	<0.05	0.5	1.61	8.0	<0.02	<1	<0.1	1.8	<10	<2
162575	Soil			<0.02	0.53	6.6	0.4	<0.05	0.2	1.37	8.0	<0.02	<1	<0.1	2.3	<10	<2
162576	Soil			<0.02	0.62	16.2	0.3	<0.05	0.6	2.28	9.7	0.02	<1	0.3	4.7	<10	<2
162577	Soil			<0.02	0.50	4.5	0.4	<0.05	0.2	1.42	8.5	<0.02	<1	0.1	2.2	<10	<2
162578	Soil			<0.02	0.40	3.6	0.4	<0.05	0.1	1.41	9.7	<0.02	<1	<0.1	0.7	<10	<2
162579	Soil			<0.02	0.48	6.5	0.3	<0.05	0.3	0.69	6.1	<0.02	<1	<0.1	0.9	<10	<2
162580	Soil			0.08	1.02	25.3	0.6	<0.05	2.2	37.57	74.8	0.05	2	1.2	17.1	<10	<2
162581	Soil			<0.02	0.58	6.2	0.3	<0.05	1.6	112.5	48.6	0.03	2	1.3	6.9	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
162582	Soil	1.42	15.82	11.66	120.7	303	14.6	14.6	2583	2.45	7.4	0.1	0.9	0.2	74.8	1.81	0.67	0.22	40	0.64	
162583	Soil	1.70	142.5	14.13	153.8	955	39.1	15.8	2651	3.75	26.1	0.6	2.2	1.0	63.5	3.53	1.55	0.52	56	0.80	
162584	Soil	1.38	56.28	14.52	201.7	2253	21.0	12.4	1912	2.64	11.9	0.2	3.8	0.3	94.5	3.59	1.01	0.45	42	1.23	
162585	Soil	2.31	19.83	9.11	142.0	280	9.1	6.7	872	1.32	6.2	<0.1	1.8	0.2	47.8	2.53	0.52	0.18	23	0.72	
162586	Soil	1.07	19.80	3.44	8.5	244	10.7	1.0	143	0.21	1.6	<0.1	0.6	<0.1	135.7	0.70	0.21	0.05	3	1.65	
162587	Soil	2.10	20.30	11.99	71.0	566	11.7	13.4	2356	1.97	6.4	0.2	0.2	0.1	50.3	0.95	0.73	0.28	36	0.55	
162588	Soil	1.91	26.05	9.36	90.3	286	10.3	6.3	2502	1.22	5.4	0.1	1.0	<0.1	81.8	1.48	0.62	0.17	21	1.33	
162589	Soil	2.02	32.28	11.39	60.2	2051	9.9	5.7	154	0.78	5.9	0.1	2.3	<0.1	52.9	2.59	1.01	0.26	14	0.60	
162590	Soil	1.15	25.67	10.23	76.5	886	9.9	6.8	271	1.90	14.4	0.2	1.1	<0.1	39.5	1.40	0.65	0.21	32	0.33	
162591	Soil	1.57	21.17	12.09	132.6	203	14.1	13.8	2556	2.85	5.4	0.2	0.9	0.4	41.7	2.04	0.68	0.25	47	0.38	
162592	Soil	1.05	17.29	8.22	68.9	832	11.0	6.8	1006	1.58	2.7	<0.1	0.4	0.2	70.0	2.67	0.38	0.14	28	0.99	
162593	Soil	0.99	13.19	9.24	115.3	209	10.5	7.2	1206	2.09	4.8	0.1	1.3	0.3	31.4	1.31	0.50	0.14	36	0.46	
162594	Soil	0.40	9.54	2.84	166.9	350	3.4	1.4	791	0.11	<0.1	<0.1	0.4	<0.1	106.1	6.38	0.09	0.03	<2	1.87	
162595	Soil	1.05	20.88	12.95	133.9	504	17.3	13.3	3403	1.94	3.8	0.1	0.5	<0.1	95.3	3.32	0.39	0.18	30	1.30	
162601	Soil	1.17	10.06	7.56	34.6	218	6.9	3.1	172	1.38	6.7	<0.1	0.5	0.1	26.1	0.59	0.43	0.11	26	0.30	
162602	Soil	4.90	112.8	16.41	101.2	1053	19.9	14.3	1669	2.70	22.4	0.2	3.8	0.2	71.6	2.08	3.79	0.36	45	0.91	
162603	Soil	1.77	76.85	14.36	98.9	452	24.1	12.0	943	3.05	15.1	0.4	2.0	0.3	63.2	1.19	1.30	0.51	49	0.77	
162604	Soil	1.33	65.10	13.48	160.3	575	25.4	13.7	2772	2.88	9.2	0.3	1.0	0.2	79.3	2.58	1.01	0.38	45	1.08	
162605	Soil	0.61	15.93	3.20	54.1	2736	12.0	2.4	660	0.18	0.8	<0.1	0.4	<0.1	133.5	1.84	0.11	0.04	2	2.13	
162606	Soil	1.14	23.51	9.74	66.9	900	16.8	9.9	1341	1.44	4.2	<0.1	0.5	<0.1	90.7	1.61	0.49	0.20	25	1.31	
162607	Soil	0.84	14.88	7.50	125.6	189	9.4	8.9	881	1.49	5.9	<0.1	1.7	<0.1	100.6	1.36	0.43	0.15	28	1.50	
162608	Soil	2.05	45.49	9.34	57.6	112	13.2	31.0	1376	1.61	8.0	0.1	2.7	0.2	62.4	1.55	0.75	0.18	29	0.94	
162609	Soil	1.19	21.41	13.05	68.3	84	18.0	13.7	1477	2.46	8.7	0.1	2.7	0.4	50.7	0.19	0.68	0.21	45	0.53	
162610	Soil	0.97	8.65	12.70	57.9	77	6.4	4.9	1826	1.45	2.1	0.1	0.8	<0.1	37.6	0.54	0.31	0.13	25	0.42	
162611	Soil	1.40	20.90	10.76	110.6	509	7.5	4.4	3643	1.44	2.0	0.1	3.0	<0.1	41.5	2.19	0.33	0.16	30	0.51	
162612	Soil	1.28	22.60	8.45	94.8	226	10.6	6.2	735	2.06	3.3	0.2	1.0	0.1	38.1	1.65	0.50	0.16	47	0.45	
162613	Soil	0.72	10.57	6.51	58.7	648	4.7	2.5	274	0.73	1.9	<0.1	1.0	<0.1	26.2	0.69	0.22	0.12	14	0.35	
162614	Soil	1.00	18.53	9.30	154.4	162	11.9	7.9	1938	2.09	4.9	0.2	0.3	<0.1	66.0	3.29	0.47	0.13	40	0.84	
162615	Soil	1.49	16.31	10.77	52.0	245	10.0	10.0	2904	1.51	1.7	0.1	0.6	<0.1	134.9	1.04	0.33	0.15	31	1.13	
162616	Soil	1.25	14.43	9.72	93.8	95	13.4	11.8	1206	2.74	5.0	0.2	<0.2	0.2	52.1	1.04	0.53	0.15	54	0.41	

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
162582	Soil	0.121	5.8	13.7	0.17	428.7	0.023	2	0.79	0.007	0.07	<0.1	1.6	0.07	0.04	64	0.3	<0.02	4.1	0.58	<0.1
162583	Soil	0.101	31.3	25.5	0.38	356.8	0.006	2	2.14	0.011	0.12	<0.1	7.6	0.15	0.03	74	0.6	0.08	6.0	1.20	<0.1
162584	Soil	0.104	13.3	18.9	0.24	331.6	0.015	3	1.14	0.011	0.08	<0.1	2.9	0.06	0.05	87	0.3	0.08	4.4	0.81	<0.1
162585	Soil	0.113	2.2	10.6	0.22	165.5	0.024	6	0.44	0.011	0.11	0.1	1.3	0.03	0.10	137	0.3	0.04	2.4	0.53	<0.1
162586	Soil	0.070	3.9	3.1	0.14	84.6	0.003	5	0.16	0.012	0.05	<0.1	0.8	0.02	0.17	123	0.3	<0.02	0.3	0.20	<0.1
162587	Soil	0.093	5.7	12.9	0.15	275.3	0.021	2	0.70	0.008	0.10	<0.1	1.4	0.05	0.05	98	0.2	<0.02	3.8	0.48	<0.1
162588	Soil	0.100	3.4	10.3	0.21	331.4	0.013	4	0.59	0.008	0.10	<0.1	1.1	0.08	0.10	203	0.3	0.03	2.1	0.55	<0.1
162589	Soil	0.095	3.9	6.0	0.07	184.9	0.008	2	0.24	0.010	0.09	0.1	0.5	0.04	0.10	128	0.3	0.02	1.2	0.31	<0.1
162590	Soil	0.107	4.2	12.0	0.18	199.9	0.013	2	0.76	0.014	0.06	<0.1	1.1	0.04	0.08	243	0.3	0.05	3.0	0.53	<0.1
162591	Soil	0.132	5.8	17.5	0.29	269.2	0.032	2	0.98	0.009	0.08	<0.1	2.4	0.07	0.03	32	0.2	0.06	5.0	0.86	<0.1
162592	Soil	0.090	3.2	8.8	0.12	187.6	0.022	4	0.35	0.011	0.12	<0.1	1.2	0.03	0.08	105	0.1	0.04	2.6	0.41	<0.1
162593	Soil	0.107	3.5	12.3	0.19	158.6	0.024	3	0.74	0.009	0.08	<0.1	1.8	0.04	0.05	77	0.2	0.04	3.7	0.46	<0.1
162594	Soil	0.102	0.5	2.5	0.13	112.1	0.002	10	0.08	0.017	0.10	<0.1	0.2	<0.02	0.17	119	0.3	0.02	0.2	0.06	<0.1
162595	Soil	0.156	5.2	12.6	0.23	467.3	0.010	4	0.68	0.007	0.16	<0.1	0.6	0.06	0.06	81	0.3	<0.02	3.1	0.58	<0.1
162601	Soil	0.098	2.3	8.1	0.09	125.7	0.015	<1	0.53	0.009	0.08	<0.1	1.0	0.04	0.06	115	0.3	<0.02	2.2	0.34	<0.1
162602	Soil	0.088	7.3	19.4	0.37	254.3	0.014	3	1.04	0.009	0.09	<0.1	1.9	0.08	0.05	112	0.2	0.08	3.7	0.71	<0.1
162603	Soil	0.107	9.8	22.4	0.39	246.0	0.015	2	1.43	0.009	0.11	<0.1	4.2	0.09	0.05	72	0.4	0.07	4.3	1.03	<0.1
162604	Soil	0.167	6.2	20.2	0.28	353.0	0.027	3	0.99	0.008	0.14	<0.1	2.7	0.04	0.04	41	0.2	0.05	4.2	0.77	<0.1
162605	Soil	0.110	1.0	2.9	0.14	148.9	0.003	9	0.06	0.008	0.13	<0.1	0.3	<0.02	0.20	152	0.2	<0.02	0.2	0.10	<0.1
162606	Soil	0.118	3.8	10.7	0.20	199.7	0.011	5	0.47	0.009	0.14	<0.1	0.5	0.04	0.09	120	0.3	0.04	2.4	0.34	<0.1
162607	Soil	0.105	2.7	9.9	0.18	157.5	0.016	7	0.46	0.010	0.12	<0.1	0.9	0.03	0.10	85	0.2	<0.02	2.4	0.38	<0.1
162608	Soil	0.077	2.8	11.0	0.23	98.7	0.018	4	0.64	0.013	0.10	<0.1	1.4	0.06	0.11	139	0.3	0.05	2.3	0.64	<0.1
162609	Soil	0.096	4.0	17.8	0.32	183.3	0.026	2	1.24	0.009	0.11	0.1	1.9	0.07	0.06	111	0.2	0.04	4.5	0.90	<0.1
162610	Soil	0.099	3.4	8.6	0.08	174.1	0.011	2	0.44	0.009	0.08	<0.1	0.5	0.05	0.06	127	0.3	<0.02	2.5	0.38	<0.1
162611	Soil	0.100	4.0	10.1	0.12	289.0	0.007	2	0.60	0.014	0.08	<0.1	0.3	0.09	0.04	76	0.2	0.03	3.5	0.44	<0.1
162612	Soil	0.077	5.0	13.8	0.15	253.3	0.021	2	0.77	0.015	0.07	<0.1	1.2	0.03	0.03	66	0.2	<0.02	4.0	0.64	<0.1
162613	Soil	0.084	1.7	6.4	0.07	82.3	0.007	2	0.43	0.014	0.04	<0.1	0.3	0.03	0.07	134	0.3	<0.02	1.4	0.40	<0.1
162614	Soil	0.102	4.1	13.1	0.21	271.5	0.016	3	0.76	0.010	0.09	<0.1	1.0	0.04	0.05	96	0.2	0.05	4.0	0.54	<0.1
162615	Soil	0.088	4.8	12.1	0.11	530.0	0.013	2	0.48	0.008	0.13	<0.1	0.6	0.04	0.06	119	0.1	0.03	3.2	0.52	<0.1
162616	Soil	0.090	4.9	16.4	0.28	254.3	0.019	2	1.17	0.009	0.10	<0.1	2.2	0.05	0.03	55	0.2	<0.02	4.8	0.61	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	Analyte	Unit	MDL	1F30 Hf	1F30 Nb	1F30 Rb	1F30 Sn	1F30 Ta	1F30 Zr	1F30 Y	1F30 Ce	1F30 In	1F30 Re	1F30 Be	1F30 Li	1F30 Pd	1F30 Pt
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppb
162582	Soil			<0.02	1.19	10.3	0.5	<0.05	0.4	2.34	10.6	<0.02	<1	0.2	4.3	<10	<2
162583	Soil			0.04	0.63	14.0	0.4	<0.05	1.8	31.02	33.7	0.06	<1	0.4	8.2	<10	<2
162584	Soil			<0.02	1.02	9.4	0.5	<0.05	0.7	8.95	15.8	0.03	<1	0.2	4.8	<10	<2
162585	Soil			0.03	0.78	4.9	0.3	<0.05	0.9	0.93	4.2	<0.02	<1	0.1	3.5	<10	<2
162586	Soil			0.02	0.06	1.6	<0.1	<0.05	0.7	7.19	3.0	<0.02	<1	<0.1	0.4	<10	<2
162587	Soil			<0.02	0.99	9.3	0.4	<0.05	0.3	2.19	10.5	<0.02	<1	0.3	2.8	<10	<2
162588	Soil			<0.02	0.31	8.9	0.2	<0.05	0.3	2.11	5.7	<0.02	<1	0.1	3.1	<10	<2
162589	Soil			<0.02	0.26	3.2	0.2	<0.05	0.2	1.09	6.5	<0.02	<1	<0.1	0.7	<10	<2
162590	Soil			<0.02	0.61	3.2	0.3	<0.05	0.2	2.64	9.9	<0.02	<1	0.2	3.8	<10	<2
162591	Soil			<0.02	0.74	10.8	0.4	<0.05	0.4	3.09	11.9	0.02	<1	0.2	5.2	<10	<2
162592	Soil			<0.02	0.64	6.1	0.3	<0.05	0.5	1.26	5.4	<0.02	<1	<0.1	1.7	<10	<2
162593	Soil			<0.02	0.94	8.6	0.3	<0.05	0.7	1.66	7.0	<0.02	<1	0.2	3.5	<10	<2
162594	Soil			<0.02	0.06	1.2	<0.1	<0.05	0.2	0.36	0.5	<0.02	<1	<0.1	0.2	<10	<2
162595	Soil			<0.02	0.33	9.2	0.4	<0.05	<0.1	2.74	9.1	<0.02	<1	0.3	2.9	<10	<2
162601	Soil			<0.02	0.60	3.8	0.3	<0.05	0.7	0.91	4.2	<0.02	<1	0.1	1.5	<10	<2
162602	Soil			<0.02	0.34	12.8	0.3	<0.05	0.2	4.14	15.9	0.04	<1	0.4	5.3	<10	<2
162603	Soil			<0.02	0.58	7.9	0.3	<0.05	0.6	8.26	17.7	0.04	<1	0.6	5.4	<10	<2
162604	Soil			<0.02	0.46	12.2	0.3	<0.05	0.4	3.70	13.8	0.03	<1	0.4	3.5	<10	<2
162605	Soil			<0.02	0.04	1.6	<0.1	<0.05	0.3	0.60	1.1	<0.02	<1	<0.1	0.3	<10	<2
162606	Soil			<0.02	0.34	5.9	0.3	<0.05	0.2	1.62	6.1	<0.02	<1	<0.1	1.9	<10	<2
162607	Soil			<0.02	0.43	10.2	0.2	<0.05	0.3	1.18	4.7	<0.02	<1	0.3	2.7	<10	<2
162608	Soil			<0.02	0.45	11.9	0.2	<0.05	1.0	1.46	6.6	<0.02	<1	0.2	3.3	<10	<2
162609	Soil			<0.02	0.97	13.1	0.3	<0.05	0.9	2.08	8.3	0.02	<1	0.3	6.8	<10	<2
162610	Soil			<0.02	0.41	4.3	0.3	<0.05	<0.1	1.00	6.3	<0.02	<1	<0.1	1.2	<10	<2
162611	Soil			<0.02	0.21	6.4	0.5	<0.05	<0.1	1.69	8.1	0.02	<1	0.1	1.4	<10	<2
162612	Soil			<0.02	0.62	7.8	0.5	<0.05	0.3	2.12	9.5	<0.02	<1	0.1	2.1	<10	<2
162613	Soil			<0.02	0.30	2.8	0.2	<0.05	0.1	0.69	3.2	<0.02	<1	<0.1	1.1	<10	<2
162614	Soil			<0.02	0.67	8.8	0.4	<0.05	0.2	2.11	8.5	<0.02	<1	0.2	3.8	<10	<2
162615	Soil			<0.02	0.48	8.2	0.5	<0.05	0.2	1.44	9.1	<0.02	<1	0.1	1.5	<10	<2
162616	Soil			<0.02	0.48	12.8	0.4	<0.05	0.1	2.47	10.2	0.02	<1	0.3	7.1	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
162617	Soil	2.15	62.80	11.59	69.5	633	29.4	21.4	1007	3.20	9.1	0.7	1.5	0.3	49.6	2.24	1.11	0.26	65	0.69	
162618	Soil	2.35	26.38	13.90	92.2	455	14.8	14.8	297	2.96	10.0	0.2	<0.2	0.4	47.4	1.43	5.14	0.48	64	0.64	
162619	Soil	1.44	17.50	13.87	112.1	472	14.7	8.9	365	3.09	8.2	0.2	0.4	0.2	27.6	1.84	0.83	0.32	70	0.32	
162620	Soil	2.96	18.65	13.85	39.3	158	10.5	6.1	193	4.90	11.7	0.2	4.0	0.3	35.8	0.22	2.61	0.70	89	0.36	
162621	Soil	1.30	17.40	10.35	180.9	512	9.4	9.4	3784	1.81	4.0	0.1	<0.2	<0.1	44.9	1.60	0.54	0.19	37	0.52	
162622	Soil	1.04	13.73	10.48	63.5	199	7.8	6.0	522	2.37	3.8	0.1	0.3	<0.1	24.3	0.56	0.44	0.16	57	0.17	
162623	Soil	0.77	12.80	9.51	39.1	241	8.5	4.4	228	2.35	4.3	0.2	<0.2	<0.1	27.1	0.21	0.38	0.19	57	0.17	
162624	Soil	0.81	6.98	7.84	31.4	473	4.9	1.5	343	0.77	3.6	<0.1	0.2	<0.1	61.0	0.28	0.26	0.36	15	0.50	
162625	Soil	0.84	19.02	9.77	64.1	260	10.1	5.4	308	2.38	6.9	0.1	<0.2	0.1	48.4	0.54	0.80	0.30	49	0.51	
162626	Soil	0.95	9.33	8.34	45.3	611	3.5	2.4	382	0.47	1.0	<0.1	<0.2	<0.1	44.7	0.52	0.17	0.07	10	0.38	
162627	Soil	1.16	12.33	12.44	65.4	612	6.5	3.0	732	1.34	2.8	0.1	<0.2	<0.1	26.0	0.38	0.36	0.11	31	0.34	
129001	Soil	0.78	11.52	5.41	77.0	532	4.6	5.8	702	0.86	1.9	<0.1	<0.2	<0.1	57.3	1.53	0.26	0.06	17	0.83	
129002	Soil	0.96	52.89	9.30	201.3	697	26.4	12.9	4280	2.23	3.1	0.7	0.2	0.3	107.9	13.98	0.33	0.11	40	1.17	
129003	Soil	1.19	16.77	7.33	80.2	351	7.1	7.6	2518	1.27	1.7	0.3	<0.2	<0.1	119.3	3.30	0.26	0.09	26	1.26	
129004	Soil	0.60	28.00	4.54	296.5	265	6.4	10.8	5461	0.87	2.4	<0.1	<0.2	0.1	223.6	3.53	0.56	0.04	12	4.45	
129005	Soil	0.68	8.83	7.30	96.3	176	4.3	3.0	1846	0.37	0.4	<0.1	<0.2	<0.1	29.1	0.85	0.17	0.05	6	0.69	
129006	Soil	0.61	14.52	6.17	60.9	797	7.1	4.4	808	0.71	1.8	0.2	<0.2	0.2	77.0	0.58	0.32	0.06	14	0.76	
129007	Soil	1.13	21.18	11.77	79.9	411	12.0	6.9	6830	1.72	4.8	0.2	<0.2	<0.1	43.4	2.25	0.73	0.10	33	0.62	
129008	Soil	1.06	16.97	7.55	66.8	447	8.5	3.6	170	1.38	3.3	0.2	<0.2	<0.1	66.5	1.42	0.36	0.08	29	0.78	
129009	Soil	1.04	20.73	8.64	78.8	316	14.4	6.9	431	1.72	2.7	0.2	<0.2	0.2	58.2	1.16	0.27	0.09	34	0.51	
129010	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129011	Soil	0.92	59.61	9.84	110.7	2222	18.6	10.7	1801	1.98	26.5	0.2	0.5	0.2	97.1	1.63	0.97	0.40	31	1.75	
129012	Soil	0.59	20.66	10.41	71.3	186	15.4	13.0	734	2.89	27.9	0.1	<0.2	0.4	43.1	0.69	1.54	0.21	51	0.63	
129013	Soil	0.85	23.57	10.66	66.3	467	16.2	20.4	3511	1.87	7.9	<0.1	<0.2	0.1	135.6	1.61	0.87	0.33	30	1.78	
129014	Soil	0.74	24.61	8.19	157.9	171	9.8	24.7	5054	1.41	7.9	<0.1	<0.2	<0.1	122.6	3.19	0.46	0.15	21	1.67	
129015	Soil	0.97	38.34	15.09	183.0	340	14.1	97.2	5922	4.13	49.8	0.3	1.0	0.2	66.5	1.51	2.26	0.39	65	1.12	
129016	Soil	1.02	35.37	9.83	81.1	728	19.0	19.3	2647	2.18	9.9	0.1	0.4	<0.1	73.7	2.52	0.43	0.21	36	0.78	
129017	Soil	0.72	11.70	6.46	71.7	190	7.9	4.1	157	1.84	5.0	0.1	<0.2	<0.1	45.6	1.87	0.38	0.10	38	0.40	
129018	Soil	1.27	15.10	9.87	103.1	185	12.0	8.9	2094	2.09	10.9	0.1	1.1	<0.1	85.3	1.26	0.46	0.13	35	0.95	
129019	Soil	1.01	19.70	8.81	145.6	406	12.8	13.3	3489	2.25	3.5	0.1	<0.2	<0.1	35.5	4.87	0.34	0.11	43	0.26	

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Copper Ridge Exploration Inc.
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
162617	Soil	0.072	20.7	19.8	0.21	117.2	0.020	1	1.26	0.011	0.06	<0.1	3.7	0.09	0.03	58	1.1	0.08	6.0	1.77	<0.1
162618	Soil	0.070	5.2	22.1	0.21	86.5	0.045	1	0.84	0.011	0.08	0.2	2.1	0.04	0.06	63	0.3	0.12	6.0	2.05	<0.1
162619	Soil	0.080	6.6	25.8	0.28	169.6	0.028	1	1.34	0.011	0.06	<0.1	1.8	0.05	0.03	59	0.2	0.12	7.0	1.85	<0.1
162620	Soil	0.105	4.1	21.2	0.21	201.9	0.040	<1	1.16	0.010	0.09	0.3	2.3	0.07	0.08	64	0.3	0.31	7.5	1.22	<0.1
162621	Soil	0.102	4.0	11.2	0.12	433.9	0.020	1	0.66	0.010	0.08	<0.1	1.1	0.10	0.05	117	0.2	0.05	4.2	1.05	<0.1
162622	Soil	0.115	4.8	15.1	0.11	224.4	0.016	1	0.94	0.009	0.05	<0.1	1.2	0.10	0.03	81	0.1	0.04	5.5	0.64	<0.1
162623	Soil	0.085	5.0	16.0	0.13	202.9	0.009	<1	1.00	0.009	0.05	<0.1	0.4	0.08	<0.02	54	0.1	0.05	6.1	0.99	<0.1
162624	Soil	0.136	1.2	9.7	0.19	204.6	0.019	1	0.33	0.013	0.13	<0.1	0.8	0.16	0.14	215	0.5	0.16	1.6	0.97	<0.1
162625	Soil	0.088	2.9	12.2	0.18	194.5	0.024	2	0.78	0.010	0.09	0.1	1.8	0.07	0.05	126	0.2	0.10	5.0	1.20	<0.1
162626	Soil	0.146	1.3	4.4	0.06	223.3	0.005	2	0.27	0.010	0.10	<0.1	0.2	0.05	0.09	148	0.2	<0.02	1.0	0.30	<0.1
162627	Soil	0.118	3.1	9.8	0.10	145.9	0.007	3	0.61	0.008	0.09	<0.1	0.3	0.08	0.06	163	0.2	0.02	3.1	0.52	<0.1
129001	Soil	0.092	1.7	5.7	0.07	394.8	0.009	5	0.30	0.008	0.07	<0.1	0.7	0.06	0.10	307	0.2	0.02	1.6	0.45	<0.1
129002	Soil	0.139	10.0	16.0	0.22	313.5	0.009	3	1.44	0.012	0.09	<0.1	3.6	0.10	0.07	144	0.4	0.04	5.1	1.07	<0.1
129003	Soil	0.082	2.9	8.7	0.14	170.6	0.015	6	0.52	0.011	0.06	<0.1	1.2	0.05	0.08	154	0.3	0.03	2.6	0.53	<0.1
129004	Soil	0.121	2.9	3.9	0.22	864.3	0.005	27	0.40	0.009	0.10	<0.1	1.7	0.12	0.11	318	0.5	0.02	1.6	0.95	<0.1
129005	Soil	0.122	1.3	3.3	0.05	220.0	0.009	5	0.27	0.008	0.11	<0.1	0.6	0.06	0.09	185	0.2	0.03	0.7	0.24	<0.1
129006	Soil	0.094	5.2	6.9	0.09	283.9	0.008	2	0.53	0.021	0.06	<0.1	1.6	0.07	0.09	175	0.2	0.05	2.0	0.56	<0.1
129007	Soil	0.080	3.7	10.5	0.10	455.8	0.010	3	0.57	0.011	0.07	<0.1	1.1	0.24	0.05	150	<0.1	0.05	3.2	0.70	<0.1
129008	Soil	0.097	9.0	9.7	0.12	276.6	0.009	5	0.65	0.014	0.09	<0.1	1.0	0.03	0.07	143	0.2	0.03	2.8	0.49	<0.1
129009	Soil	0.100	11.1	12.7	0.14	373.2	0.010	3	0.99	0.013	0.09	<0.1	2.2	0.06	0.05	97	0.3	0.02	3.9	0.53	<0.1
129010	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129011	Soil	0.099	12.1	12.4	0.25	247.7	0.013	5	1.05	0.009	0.09	<0.1	2.7	0.08	0.08	119	0.3	0.05	3.5	1.02	<0.1
129012	Soil	0.047	5.4	15.9	0.25	149.7	0.032	1	1.08	0.011	0.16	<0.1	2.6	0.11	0.04	30	0.1	0.06	5.0	1.13	<0.1
129013	Soil	0.117	4.2	10.6	0.23	327.8	0.023	5	0.71	0.009	0.18	<0.1	1.3	0.09	0.10	102	0.2	0.06	3.2	1.16	<0.1
129014	Soil	0.115	3.1	8.1	0.16	467.3	0.015	4	0.44	0.010	0.15	<0.1	0.7	0.07	0.08	94	0.1	0.06	2.6	0.72	<0.1
129015	Soil	0.162	8.8	10.2	0.38	548.3	0.050	2	1.64	0.014	0.27	<0.1	2.5	0.21	0.05	44	0.2	0.08	8.2	3.54	<0.1
129016	Soil	0.111	5.4	15.1	0.21	307.9	0.008	2	0.84	0.012	0.12	<0.1	0.7	0.08	0.07	93	0.1	0.06	3.9	0.84	<0.1
129017	Soil	0.090	4.4	12.2	0.09	202.6	0.014	2	0.71	0.011	0.07	<0.1	1.2	0.02	0.03	62	0.2	<0.02	3.7	0.34	<0.1
129018	Soil	0.129	3.6	12.3	0.27	292.6	0.018	5	0.80	0.012	0.13	<0.1	1.6	0.07	0.07	83	0.2	0.05	3.4	0.55	<0.1
129019	Soil	0.090	5.4	13.7	0.14	341.7	0.018	2	0.93	0.009	0.08	<0.1	1.4	0.10	0.03	57	0.2	0.04	4.4	0.55	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	
162617	Soil	0.03	0.98	12.9	0.5	<0.05	0.4	21.49	24.4	0.03	<1	0.7	4.5	<10	<2
162618	Soil	0.03	2.88	18.3	0.7	<0.05	1.4	2.04	10.1	<0.02	<1	0.2	6.2	<10	<2
162619	Soil	<0.02	1.49	8.9	0.6	<0.05	0.4	2.45	12.9	<0.02	<1	0.2	5.6	<10	<2
162620	Soil	<0.02	1.63	8.9	0.7	<0.05	0.5	1.64	8.2	<0.02	<1	0.2	3.4	<10	<2
162621	Soil	<0.02	0.72	10.2	0.4	<0.05	0.2	1.28	8.2	<0.02	<1	<0.1	2.3	<10	<2
162622	Soil	<0.02	0.79	5.7	0.5	<0.05	0.2	1.26	9.5	<0.02	<1	0.1	2.5	<10	<2
162623	Soil	<0.02	0.41	8.1	0.6	<0.05	0.6	1.42	9.8	<0.02	<1	0.2	2.2	<10	<2
162624	Soil	<0.02	0.50	11.8	0.2	<0.05	0.3	0.44	2.3	<0.02	<1	<0.1	1.2	<10	<2
162625	Soil	<0.02	0.82	12.4	0.5	<0.05	0.7	1.07	5.9	<0.02	<1	0.2	2.1	<10	<2
162626	Soil	<0.02	0.15	4.8	0.2	<0.05	<0.1	0.41	2.4	<0.02	<1	0.1	0.6	<10	<2
162627	Soil	<0.02	0.37	5.3	0.4	<0.05	<0.1	0.96	6.3	<0.02	<1	0.2	2.2	<10	<2
129001	Soil	<0.02	0.31	3.4	0.2	<0.05	0.3	0.70	3.5	<0.02	<1	<0.1	1.1	<10	<2
129002	Soil	0.02	0.73	6.1	0.5	<0.05	0.8	8.39	21.5	0.04	<1	0.5	5.2	<10	<2
129003	Soil	<0.02	0.73	3.2	0.3	<0.05	0.3	1.11	6.7	<0.02	<1	0.1	3.2	<10	<2
129004	Soil	<0.02	0.11	7.2	0.1	<0.05	0.1	2.42	7.1	<0.02	<1	0.3	1.6	<10	<2
129005	Soil	<0.02	0.17	3.3	0.2	<0.05	0.2	0.41	2.6	<0.02	<1	<0.1	0.4	<10	<2
129006	Soil	<0.02	0.28	3.9	0.3	<0.05	0.7	4.09	10.4	<0.02	<1	0.2	2.1	<10	<2
129007	Soil	<0.02	0.22	4.8	0.4	<0.05	<0.1	1.59	8.1	0.02	<1	0.2	1.5	<10	<2
129008	Soil	<0.02	0.45	3.7	0.3	<0.05	0.2	6.04	13.9	<0.02	<1	0.2	2.8	<10	<2
129009	Soil	<0.02	0.77	4.2	0.4	<0.05	0.6	7.15	17.1	<0.02	<1	0.3	4.2	<10	<2
129010	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129011	Soil	<0.02	0.59	5.7	0.4	<0.05	0.8	9.20	13.2	0.02	<1	0.3	5.7	<10	<2
129012	Soil	<0.02	1.28	10.5	0.5	<0.05	0.9	2.55	11.2	0.03	<1	0.1	5.1	<10	<2
129013	Soil	<0.02	0.54	22.5	0.3	<0.05	0.4	1.96	9.0	<0.02	<1	0.2	3.9	<10	<2
129014	Soil	<0.02	0.37	7.2	0.3	<0.05	0.2	1.30	6.8	<0.02	<1	0.1	2.2	<10	<2
129015	Soil	<0.02	0.94	26.7	0.7	<0.05	0.3	5.14	21.1	0.04	<1	0.4	12.9	<10	<2
129016	Soil	<0.02	0.40	6.7	0.4	<0.05	0.1	2.31	11.7	<0.02	<1	0.2	4.2	<10	<2
129017	Soil	<0.02	0.54	2.6	0.3	<0.05	0.3	1.40	8.3	<0.02	<1	<0.1	1.8	<10	<2
129018	Soil	<0.02	0.66	5.6	0.3	<0.05	0.2	2.06	7.6	0.02	<1	0.2	5.8	<10	<2
129019	Soil	<0.02	0.46	4.9	0.5	<0.05	0.3	2.00	11.4	0.02	<1	0.2	3.0	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
129020	Soil		0.65	19.74	9.48	118.9	507	9.5	8.8	1041	1.47	1.8	0.1	2.4	<0.1	74.6	4.78	0.30	0.13	24	0.52
129021	Soil		1.14	26.79	11.11	311.8	636	16.3	14.7	>10000	1.99	4.0	0.1	3.6	<0.1	97.7	8.62	0.50	0.19	30	1.39
129022	Soil		2.17	22.62	8.34	146.9	342	10.6	6.9	2784	1.97	6.5	0.1	0.8	0.1	60.9	3.44	0.50	0.18	43	0.90
129023	Soil		1.08	20.26	11.50	139.9	325	10.3	17.3	4708	2.22	8.9	0.1	1.0	<0.1	66.6	4.07	0.60	0.31	34	0.76
129024	Soil		0.94	14.89	5.30	59.6	140	7.5	3.6	159	1.74	4.6	0.1	0.4	0.2	72.6	1.22	0.37	0.08	37	0.69
129025	Soil		0.88	5.71	3.04	10.0	146	3.5	1.8	54	0.29	0.9	<0.1	0.8	0.1	102.4	0.97	0.14	0.05	5	0.84
129026	Soil		1.04	18.08	5.79	37.3	596	8.4	4.5	180	0.67	0.9	<0.1	0.8	<0.1	192.8	3.99	0.25	0.08	13	0.99
129027	Soil		0.98	33.42	11.72	280.6	654	9.6	17.7	7047	1.14	3.1	<0.1	<0.2	0.1	114.2	3.74	0.61	0.07	13	1.93
129028	Soil		0.85	24.51	11.15	107.7	212	12.6	9.8	3278	2.63	6.5	0.2	0.6	0.6	18.1	0.89	0.52	0.14	49	0.17
129029	Soil		1.00	12.57	8.80	82.2	328	6.4	5.5	4449	1.86	2.5	0.1	1.2	0.1	34.4	2.39	0.41	0.13	39	0.56
129030	Soil		0.94	12.41	7.60	161.5	172	16.3	11.9	3231	1.75	2.6	<0.1	<0.2	0.1	130.6	3.66	0.35	0.08	28	1.63
129031	Soil		1.06	48.62	7.42	97.7	1240	38.0	11.2	3112	3.67	7.0	0.7	0.2	0.9	207.9	1.53	0.55	0.14	61	1.69
129032	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129033	Soil		0.91	41.28	17.64	87.7	395	10.4	30.1	4806	2.79	42.7	0.2	<0.2	0.2	85.5	2.90	2.61	0.90	32	2.03
129034	Soil		0.93	12.15	12.12	84.0	63	15.9	22.2	3716	2.87	20.9	0.1	0.5	0.1	45.8	0.59	1.22	0.23	50	0.71
129035	Soil		0.90	22.17	9.04	52.7	405	10.7	16.1	1779	2.01	11.5	0.1	<0.2	<0.1	73.0	1.38	0.85	0.29	38	1.28
129036	Soil		0.77	25.19	16.00	305.9	282	13.3	20.4	8329	3.31	12.2	0.2	0.8	0.1	34.1	1.77	0.77	0.44	56	0.51
129037	Soil		1.24	275.6	14.92	98.5	818	25.7	68.4	3174	3.80	657.5	0.4	1.7	0.6	37.2	0.44	1.18	0.95	62	0.49
129038	Soil		0.75	28.75	8.50	86.2	205	13.9	13.5	1094	2.67	12.2	0.2	<0.2	0.2	51.4	0.94	0.52	0.15	52	0.53
129039	Soil		0.93	20.24	8.98	131.6	240	10.9	8.4	833	2.88	11.0	0.2	1.0	0.2	30.9	2.79	0.66	0.15	55	0.26
129040	Soil		0.96	7.40	5.43	80.2	145	5.6	4.0	315	1.07	3.3	<0.1	0.5	0.2	47.9	1.65	0.25	0.07	20	0.53
129041	Soil		1.55	20.33	9.11	200.6	314	12.2	10.9	6682	1.80	3.2	0.1	<0.2	<0.1	55.7	6.26	0.38	0.12	32	0.48
129042	Soil		0.88	12.20	7.27	131.9	373	8.6	8.4	4045	1.26	2.7	<0.1	<0.2	0.1	104.1	1.54	0.42	0.08	24	1.41
129043	Soil		1.12	24.01	12.30	108.8	277	18.7	12.0	1782	3.48	16.6	0.2	1.0	0.7	37.2	1.03	1.44	0.27	64	0.34
129044	Soil		1.04	11.39	9.11	58.9	352	8.4	4.6	772	2.48	4.7	0.1	0.4	0.3	41.9	0.64	0.52	0.14	55	0.54
129045	Soil		1.04	15.11	10.18	123.8	246	14.3	13.3	1667	3.20	14.7	0.2	0.8	0.3	70.4	0.93	0.82	0.28	59	0.61
129046	Soil		0.89	15.14	9.52	50.2	335	12.1	13.8	1011	2.81	9.2	0.1	0.5	<0.1	63.2	0.87	0.81	0.57	42	0.47
129047	Soil		0.94	19.08	8.54	85.0	375	12.2	10.8	2870	1.63	7.7	0.1	3.4	<0.1	130.9	2.96	0.51	0.18	28	1.33
129048	Soil		0.76	19.09	6.38	39.1	509	11.7	6.0	477	1.24	15.2	0.1	<0.2	0.3	163.0	1.17	0.75	0.18	21	1.63
129049	Soil		1.15	29.58	14.79	106.4	469	23.1	20.7	1807	3.75	41.3	0.2	1.2	0.2	61.6	2.13	1.12	0.58	66	0.34

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

Page: 8 of 10 Part 2

CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
129020	Soil	0.068	3.0	8.9	0.07	362.9	0.017	3	0.40	0.008	0.06	<0.1	1.0	0.04	0.06	91	0.3	0.02	2.5	0.41	<0.1
129021	Soil	0.146	3.9	11.2	0.19	1074	0.023	6	0.69	0.014	0.17	<0.1	1.3	0.18	0.06	228	0.4	<0.02	3.1	0.79	<0.1
129022	Soil	0.059	3.2	10.4	0.10	425.5	0.020	6	0.44	0.008	0.08	<0.1	1.4	0.04	0.05	162	0.3	0.07	3.4	0.71	<0.1
129023	Soil	0.106	4.1	12.2	0.16	351.0	0.014	4	0.62	0.010	0.11	<0.1	0.8	0.07	0.07	108	0.3	0.07	3.7	0.74	<0.1
129024	Soil	0.048	2.6	10.0	0.09	181.7	0.014	4	0.54	0.012	0.03	<0.1	1.7	0.03	0.09	149	0.3	0.03	3.0	0.36	<0.1
129025	Soil	0.059	0.6	3.5	0.05	96.9	0.006	2	0.13	0.011	0.05	<0.1	0.9	<0.02	0.16	227	0.4	<0.02	0.4	0.11	<0.1
129026	Soil	0.066	3.2	6.1	0.11	130.1	0.013	4	0.26	0.014	0.06	<0.1	1.0	<0.02	0.09	109	<0.1	<0.02	1.2	0.31	<0.1
129027	Soil	0.131	2.8	3.5	0.10	799.2	0.004	6	0.42	0.006	0.11	<0.1	1.9	0.09	0.09	235	0.6	<0.02	1.1	0.59	<0.1
129028	Soil	0.162	5.1	16.9	0.14	438.2	0.016	1	1.15	0.008	0.06	<0.1	2.4	0.10	<0.02	89	0.2	<0.02	5.5	0.66	<0.1
129029	Soil	0.065	4.1	10.3	0.06	350.4	0.016	3	0.38	0.007	0.10	<0.1	1.1	0.15	0.02	115	0.3	<0.02	3.4	0.33	<0.1
129030	Soil	0.115	3.4	11.3	0.16	586.3	0.015	5	0.76	0.008	0.10	<0.1	1.4	0.06	0.07	172	0.2	0.04	2.9	0.62	<0.1
129031	Soil	0.137	31.8	29.9	0.41	525.9	0.004	1	4.21	0.019	0.09	<0.1	9.9	0.29	0.07	105	1.0	0.05	9.0	1.46	0.2
129032	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129033	Soil	0.105	10.2	9.2	0.32	337.3	0.017	4	1.05	0.010	0.20	<0.1	2.5	0.11	0.13	106	0.4	<0.02	4.2	1.68	<0.1
129034	Soil	0.074	4.5	15.8	0.27	380.5	0.019	3	1.16	0.008	0.09	<0.1	1.8	0.14	0.04	65	0.2	0.04	4.9	1.17	<0.1
129035	Soil	0.073	4.1	11.5	0.18	314.2	0.021	3	0.64	0.009	0.19	<0.1	1.1	0.07	0.07	106	0.3	0.06	3.4	0.45	<0.1
129036	Soil	0.221	5.2	14.3	0.21	506.4	0.023	1	1.70	0.011	0.07	<0.1	1.7	0.25	0.03	63	0.2	0.11	7.8	2.07	<0.1
129037	Soil	0.079	13.6	25.4	0.39	187.5	0.009	<1	2.13	0.008	0.14	<0.1	4.1	0.19	<0.02	34	0.4	0.74	7.8	1.00	<0.1
129038	Soil	0.094	5.0	16.3	0.17	271.9	0.023	2	0.87	0.008	0.10	<0.1	2.2	0.04	0.02	45	0.2	0.03	4.7	0.65	<0.1
129039	Soil	0.115	5.1	16.2	0.14	297.5	0.022	2	0.90	0.008	0.05	<0.1	2.1	0.05	<0.02	55	0.3	0.05	5.3	0.54	<0.1
129040	Soil	0.127	2.3	7.4	0.10	137.0	0.020	4	0.47	0.009	0.12	<0.1	1.5	0.03	0.07	141	0.4	<0.02	2.1	0.32	<0.1
129041	Soil	0.095	4.3	10.5	0.08	699.2	0.015	3	0.61	0.007	0.08	<0.1	1.0	0.07	0.04	123	0.3	<0.02	3.7	0.43	<0.1
129042	Soil	0.096	2.7	8.7	0.12	324.7	0.024	8	0.44	0.009	0.11	<0.1	1.5	0.12	0.09	146	0.3	0.03	2.7	0.59	<0.1
129043	Soil	0.100	5.6	20.0	0.40	322.8	0.026	2	1.46	0.009	0.05	<0.1	4.5	0.09	<0.02	60	0.2	0.08	5.6	0.64	<0.1
129044	Soil	0.079	4.3	14.8	0.11	204.7	0.028	2	0.67	0.010	0.08	<0.1	2.0	0.05	<0.02	80	0.2	<0.02	5.1	0.57	<0.1
129045	Soil	0.128	5.2	19.8	0.27	283.2	0.024	2	1.13	0.009	0.10	<0.1	2.7	0.08	0.03	53	0.2	0.06	5.6	0.87	<0.1
129046	Soil	0.122	5.7	20.0	0.20	182.2	0.014	2	0.80	0.009	0.10	<0.1	0.8	0.05	0.04	55	0.3	0.14	4.6	0.52	<0.1
129047	Soil	0.102	3.4	11.5	0.20	341.4	0.023	5	0.66	0.010	0.09	<0.1	1.8	0.09	0.09	175	0.6	0.02	2.7	0.79	<0.1
129048	Soil	0.095	3.1	12.3	0.25	83.3	0.017	5	0.51	0.017	0.14	<0.1	2.1	0.05	0.14	99	0.8	0.10	1.8	0.46	<0.1
129049	Soil	0.144	7.7	28.9	0.34	253.2	0.016	2	1.77	0.012	0.06	<0.1	3.2	0.10	0.03	55	0.3	0.15	6.6	0.95	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	
129020	Soil	<0.02	0.66	3.2	0.4	<0.05	0.3	1.17	5.7	0.02	<1	0.1	1.2	<10	<2
129021	Soil	<0.02	0.34	12.0	0.3	<0.05	0.1	2.01	7.9	0.04	2	0.1	3.0	<10	<2
129022	Soil	<0.02	0.65	7.2	0.4	<0.05	0.4	1.28	6.1	0.02	<1	<0.1	1.6	<10	<2
129023	Soil	<0.02	0.41	10.8	0.3	<0.05	0.1	1.36	7.8	0.02	<1	0.2	2.9	<10	<2
129024	Soil	<0.02	0.76	2.5	0.3	<0.05	0.8	1.01	4.9	<0.02	<1	0.1	1.7	<10	<2
129025	Soil	<0.02	0.12	1.3	0.2	<0.05	0.5	0.32	1.3	<0.02	<1	<0.1	0.6	<10	<2
129026	Soil	<0.02	0.34	1.7	0.3	<0.05	0.3	1.68	5.0	<0.02	5	0.2	0.6	<10	<2
129027	Soil	<0.02	0.14	3.1	0.1	<0.05	0.1	2.42	7.7	<0.02	<1	0.3	0.7	<10	<2
129028	Soil	<0.02	0.84	4.6	0.5	<0.05	0.4	1.54	9.9	0.03	<1	0.3	4.0	<10	<2
129029	Soil	<0.02	0.44	4.0	0.4	<0.05	0.1	1.00	8.1	<0.02	<1	0.1	0.9	<10	<2
129030	Soil	<0.02	0.39	8.3	0.5	<0.05	0.2	1.59	7.1	<0.02	<1	0.3	3.4	<10	<2
129031	Soil	0.07	0.95	10.7	0.7	<0.05	3.0	37.02	54.3	0.05	<1	1.0	12.7	<10	<2
129032	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129033	Soil	<0.02	1.32	9.9	0.4	<0.05	0.8	8.01	22.9	0.04	<1	0.5	4.5	<10	<2
129034	Soil	<0.02	0.71	12.0	0.4	<0.05	0.2	1.92	9.4	0.03	<1	0.5	6.0	<10	<2
129035	Soil	<0.02	0.91	5.2	0.3	<0.05	0.4	1.64	7.5	<0.02	<1	0.1	2.4	<10	<2
129036	Soil	<0.02	0.71	9.9	0.5	<0.05	0.3	2.04	10.3	0.03	<1	0.3	5.3	<10	<2
129037	Soil	<0.02	0.99	9.7	0.6	<0.05	0.6	8.42	35.0	0.04	<1	0.5	13.6	<10	<2
129038	Soil	<0.02	0.78	8.6	0.5	<0.05	0.4	1.77	10.4	<0.02	<1	0.3	3.8	<10	<2
129039	Soil	<0.02	0.60	4.4	0.5	<0.05	0.3	2.16	10.4	<0.02	<1	0.2	3.8	<10	<2
129040	Soil	<0.02	0.55	5.5	0.3	<0.05	1.1	0.98	4.1	<0.02	<1	<0.1	2.0	<10	<2
129041	Soil	<0.02	0.54	4.9	0.4	<0.05	0.2	1.45	8.3	<0.02	<1	<0.1	1.6	<10	<2
129042	Soil	<0.02	0.63	6.8	0.3	<0.05	0.2	0.96	5.4	<0.02	<1	<0.1	1.4	<10	<2
129043	Soil	<0.02	0.43	8.2	0.4	<0.05	0.5	3.38	11.9	0.03	<1	0.2	7.9	<10	<2
129044	Soil	<0.02	0.80	10.7	0.5	<0.05	0.5	1.25	8.4	<0.02	<1	0.2	2.0	<10	<2
129045	Soil	<0.02	0.72	15.6	0.5	<0.05	0.3	2.07	9.8	0.03	<1	0.2	6.0	<10	<2
129046	Soil	<0.02	0.53	9.7	0.5	<0.05	0.3	1.56	10.7	<0.02	<1	0.2	2.9	<10	<2
129047	Soil	<0.02	0.36	6.3	0.2	<0.05	0.2	1.68	7.7	<0.02	<1	0.2	2.3	<10	<2
129048	Soil	<0.02	0.24	6.3	0.3	<0.05	1.2	2.24	6.5	<0.02	<1	<0.1	2.3	<10	<2
129049	Soil	<0.02	0.45	6.8	0.5	<0.05	0.2	4.44	15.8	0.04	<1	0.3	6.3	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
129050	Soil	1.30	31.67	11.43	89.9	428	19.4	10.9	1017	3.00	18.1	0.3	1.6	0.2	61.3	0.68	0.80	0.37	55	0.36
129051	Soil	1.54	19.16	9.55	150.5	243	11.6	10.3	1507	2.00	10.0	0.2	0.7	<0.1	128.6	3.30	0.63	0.27	33	1.24
129052	Soil	1.33	17.98	8.84	99.8	247	12.8	10.0	946	2.30	9.1	0.1	1.1	0.3	96.2	1.63	0.57	0.18	42	1.16
129053	Soil	1.55	24.57	12.43	149.5	471	18.5	17.4	4819	2.62	11.5	0.2	3.2	<0.1	79.6	4.01	0.72	0.37	44	0.85
129054	Soil	1.94	30.80	12.58	106.8	425	16.3	15.6	2710	3.07	17.6	0.3	1.5	<0.1	111.4	1.72	0.76	0.44	52	1.00
129055	Soil	1.38	30.22	11.67	81.2	387	14.5	11.0	1609	2.46	8.6	0.2	0.3	0.1	102.7	2.33	0.81	0.25	47	0.81
129056	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129057	Soil	1.44	15.55	10.38	189.2	381	7.4	10.4	4733	2.05	2.6	0.1	0.2	<0.1	55.3	2.31	0.34	0.17	37	0.69
129058	Soil	3.74	16.23	10.43	197.7	156	10.9	12.7	2016	2.59	5.7	0.2	<0.2	0.2	50.4	2.28	0.56	0.22	42	1.08
129059	Soil	1.45	11.39	8.91	71.3	170	5.9	4.5	905	1.42	4.0	0.1	0.4	<0.1	39.6	1.30	0.38	0.12	26	0.45
129060	Soil	7.26	65.51	8.07	35.5	792	15.5	4.6	291	1.95	4.8	1.3	75.0	0.4	128.7	0.78	0.79	0.26	30	2.29
129061	Soil	2.58	49.47	11.80	43.8	69	9.4	5.0	383	2.90	8.2	0.3	1.9	1.2	14.0	0.20	2.00	0.40	63	0.15
129062	Soil	1.85	42.02	10.36	77.8	197	13.2	7.9	939	2.98	12.5	0.2	0.9	0.7	55.3	0.49	1.00	0.29	54	0.69
129063	Soil	0.77	15.77	11.68	25.0	296	3.3	1.8	92	0.96	2.2	0.2	1.7	<0.1	18.5	0.35	0.66	0.21	23	0.13
129064	Soil	0.83	13.51	8.85	57.7	289	10.3	6.5	286	2.15	4.8	0.2	0.2	0.4	29.5	0.36	0.28	0.12	50	0.17
129065	Soil	1.01	12.70	7.30	78.7	412	6.9	4.8	1724	1.72	4.1	0.1	<0.2	<0.1	50.1	1.06	0.36	0.11	43	0.45
129066	Soil	0.91	12.47	8.76	79.5	437	11.6	9.1	1182	2.36	9.3	0.2	0.6	0.1	48.3	0.50	0.38	0.21	47	0.54
129067	Soil	0.66	8.75	5.54	56.9	209	4.4	4.4	434	0.74	2.4	<0.1	<0.2	<0.1	83.4	1.55	0.24	0.13	12	1.10
129068	Soil	1.08	23.36	9.28	63.3	680	18.1	8.7	944	1.37	31.4	0.1	1.4	0.3	102.2	2.37	1.27	0.35	18	1.93
129069	Soil	1.00	22.46	9.46	154.2	387	16.8	11.7	1708	2.60	14.5	0.2	<0.2	0.2	104.3	3.31	0.91	0.25	41	1.23
129070	Soil	1.34	24.05	15.06	112.0	285	15.4	11.1	2160	3.01	35.0	0.2	<0.2	0.1	43.5	1.63	1.61	0.60	48	0.41
129071	Soil	1.53	78.79	19.47	152.5	1090	37.0	17.5	2443	4.80	61.9	0.7	3.4	1.2	107.1	1.50	1.80	0.91	63	1.33
129072	Soil	2.13	49.19	9.97	404.0	1632	16.7	7.3	9827	1.95	17.0	0.2	0.6	<0.1	70.6	3.38	1.17	0.48	34	0.92
129073	Soil	1.10	24.38	8.57	77.6	459	14.7	10.2	1159	2.08	8.5	0.2	<0.2	0.2	70.3	4.04	0.67	0.14	34	0.70
129074	Soil	0.68	15.77	6.00	70.2	1050	5.9	4.9	3896	0.96	2.1	<0.1	<0.2	<0.1	71.8	1.42	0.27	0.09	17	1.10
129075	Soil	2.32	64.24	13.07	100.9	1548	31.5	18.2	6308	3.43	14.3	0.6	1.0	0.4	122.7	1.92	1.08	0.32	50	1.12
129076	Soil	0.94	13.29	6.27	53.9	436	4.9	2.4	771	0.79	2.8	0.2	<0.2	<0.1	58.9	1.38	0.33	0.06	19	0.84
129077	Soil	2.65	21.25	7.43	98.5	477	10.0	5.7	780	1.53	3.4	7.8	<0.2	0.2	129.5	3.30	0.43	0.08	27	1.95
129078	Soil	1.27	61.28	10.54	60.7	751	27.2	13.3	3591	2.59	6.1	0.7	<0.2	0.7	92.0	1.50	1.38	0.17	48	2.94
129079	Soil	0.68	9.63	6.39	50.0	136	6.9	2.8	476	0.72	1.6	<0.1	<0.2	0.1	14.8	0.31	0.36	0.13	16	0.42

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
129050	Soil	0.090	9.0	21.7	0.34	283.1	0.022	3	1.44	0.012	0.07	<0.1	3.4	0.06	0.02	69	0.3	0.06	5.2	0.73	<0.1
129051	Soil	0.150	4.5	13.8	0.26	359.3	0.012	6	0.85	0.010	0.14	<0.1	1.3	0.06	0.09	115	0.3	0.03	3.3	0.42	<0.1
129052	Soil	0.090	4.3	15.5	0.32	215.7	0.025	5	1.04	0.013	0.15	<0.1	2.6	0.06	0.07	87	0.3	<0.02	4.4	0.73	<0.1
129053	Soil	0.151	6.3	18.8	0.32	428.4	0.025	4	1.13	0.014	0.14	<0.1	2.2	0.14	0.04	87	0.5	0.07	4.3	0.81	<0.1
129054	Soil	0.189	6.4	20.3	0.30	443.2	0.010	3	1.10	0.009	0.15	<0.1	1.2	0.06	0.05	88	0.2	0.08	5.2	0.69	<0.1
129055	Soil	0.100	6.0	15.6	0.14	392.0	0.024	2	0.77	0.010	0.13	<0.1	1.8	0.05	0.04	54	0.3	0.03	4.3	0.90	<0.1
129056	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129057	Soil	0.145	4.8	12.1	0.15	425.2	0.028	3	0.72	0.013	0.11	<0.1	1.3	0.09	0.05	61	0.2	0.04	4.1	0.63	<0.1
129058	Soil	0.127	5.4	15.0	0.31	213.5	0.031	3	0.97	0.010	0.08	<0.1	2.3	0.05	0.05	62	0.3	0.03	4.5	0.71	<0.1
129059	Soil	0.102	2.7	8.6	0.09	202.9	0.015	3	0.45	0.018	0.06	<0.1	0.9	0.05	0.08	102	0.2	<0.02	2.5	0.40	<0.1
129060	Soil	0.175	13.8	15.0	0.33	301.3	0.009	<1	1.51	0.015	0.04	<0.1	3.8	0.07	0.15	194	1.5	0.06	4.3	0.68	<0.1
129061	Soil	0.085	6.0	15.8	0.27	87.5	0.023	<1	1.09	0.009	0.04	<0.1	2.7	0.07	<0.02	24	0.3	0.07	5.7	0.70	<0.1
129062	Soil	0.120	4.5	17.4	0.34	165.3	0.026	2	1.38	0.011	0.14	<0.1	3.0	0.05	0.04	94	0.4	0.11	4.5	0.66	<0.1
129063	Soil	0.045	5.3	9.7	0.05	192.1	0.012	<1	0.65	0.011	0.05	<0.1	0.7	0.05	<0.02	88	0.3	0.03	3.7	0.26	<0.1
129064	Soil	0.084	5.4	13.7	0.19	186.8	0.018	<1	1.27	0.014	0.04	<0.1	2.4	0.08	<0.02	58	0.3	<0.02	5.8	0.54	<0.1
129065	Soil	0.085	4.4	10.6	0.08	302.7	0.019	2	0.62	0.009	0.07	<0.1	1.1	0.06	0.03	85	0.3	<0.02	3.7	0.31	<0.1
129066	Soil	0.112	4.8	15.3	0.20	209.6	0.019	2	1.08	0.009	0.11	<0.1	1.7	0.06	0.04	80	0.3	0.05	5.0	0.34	<0.1
129067	Soil	0.115	1.8	6.4	0.11	145.8	0.014	4	0.20	0.017	0.11	<0.1	0.8	0.03	0.13	88	0.3	0.04	1.2	0.28	<0.1
129068	Soil	0.135	4.0	10.1	0.24	212.9	0.012	8	0.46	0.013	0.15	<0.1	1.7	0.04	0.18	124	0.6	0.14	1.6	0.34	<0.1
129069	Soil	0.189	5.1	17.0	0.33	339.9	0.019	5	1.08	0.012	0.13	0.1	2.5	0.06	0.05	59	0.3	0.05	4.1	0.58	<0.1
129070	Soil	0.121	6.9	18.5	0.17	441.5	0.013	2	0.99	0.009	0.07	<0.1	1.6	0.07	0.02	55	0.4	0.09	4.6	0.69	<0.1
129071	Soil	0.148	14.4	30.8	0.54	562.1	0.004	1	3.28	0.017	0.13	0.2	10.6	0.14	0.04	151	0.9	0.18	7.7	1.09	<0.1
129072	Soil	0.103	4.1	14.5	0.19	595.8	0.013	3	0.78	0.017	0.08	<0.1	1.2	0.17	0.07	129	0.5	0.06	3.8	0.62	<0.1
129073	Soil	0.122	4.6	13.1	0.24	180.1	0.021	4	0.82	0.016	0.12	<0.1	2.9	0.08	0.06	121	0.5	0.02	3.0	0.46	<0.1
129074	Soil	0.123	1.8	7.1	0.09	283.5	0.017	5	0.32	0.009	0.13	<0.1	1.1	0.08	0.08	188	0.7	0.04	1.7	0.36	<0.1
129075	Soil	0.138	34.5	19.4	0.31	307.5	0.012	2	1.94	0.012	0.08	<0.1	5.2	0.26	0.08	114	1.0	0.09	6.5	1.08	0.1
129076	Soil	0.092	4.8	7.2	0.10	272.1	0.013	9	0.42	0.019	0.11	<0.1	1.4	0.04	0.08	243	0.5	0.02	1.8	0.36	<0.1
129077	Soil	0.083	4.0	9.6	0.17	139.1	0.015	8	0.64	0.015	0.06	<0.1	1.8	0.03	0.11	101	0.4	0.05	2.6	0.37	<0.1
129078	Soil	0.109	25.4	27.5	0.28	240.2	0.014	4	2.13	0.015	0.10	<0.1	6.0	0.13	0.10	119	0.8	0.04	5.7	1.88	<0.1
129079	Soil	0.108	1.8	9.1	0.10	63.4	0.018	3	0.55	0.020	0.08	<0.1	1.0	0.03	0.09	207	0.7	<0.02	1.5	0.91	<0.1

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	Analyte	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	
129050	Soil	<0.02	0.60	5.3	0.4	<0.05	0.3	5.92	20.3	0.04	<1	0.3	5.4	<10	<2
129051	Soil	<0.02	0.42	4.1	0.3	<0.05	0.1	2.18	10.2	<0.02	<1	0.2	3.4	<10	<2
129052	Soil	<0.02	0.63	8.4	0.3	<0.05	0.7	1.79	8.8	<0.02	<1	0.2	4.8	<10	<2
129053	Soil	<0.02	0.32	10.4	0.4	<0.05	0.1	2.90	14.3	0.02	<1	0.2	3.6	<10	<2
129054	Soil	<0.02	0.25	9.8	0.4	<0.05	0.1	2.44	13.3	0.04	<1	0.3	4.8	<10	<2
129055	Soil	<0.02	1.10	10.2	0.5	<0.05	0.4	2.29	11.0	0.02	<1	0.3	2.8	<10	<2
129056	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129057	Soil	<0.02	0.63	11.1	0.5	<0.05	0.2	1.78	10.1	<0.02	<1	<0.1	2.4	<10	<2
129058	Soil	<0.02	1.20	13.0	0.5	<0.05	0.5	3.01	13.5	0.02	<1	0.2	6.2	<10	<2
129059	Soil	<0.02	0.48	4.5	0.3	<0.05	0.1	1.03	5.5	<0.02	<1	0.2	1.4	<10	<2
129060	Soil	0.04	0.87	5.7	0.4	<0.05	1.7	11.28	28.8	0.04	4	0.5	6.3	<10	<2
129061	Soil	<0.02	0.34	5.5	0.4	<0.05	0.5	2.25	12.3	<0.02	<1	<0.1	3.5	<10	<2
129062	Soil	<0.02	0.72	9.8	0.4	<0.05	0.8	2.24	9.2	0.04	<1	0.4	5.7	<10	<2
129063	Soil	<0.02	0.35	2.7	0.5	<0.05	<0.1	1.33	10.2	<0.02	<1	0.2	0.9	<10	<2
129064	Soil	<0.02	0.77	4.2	0.5	<0.05	0.3	2.23	11.0	0.02	<1	0.3	3.9	<10	<2
129065	Soil	<0.02	0.43	3.2	0.4	<0.05	0.1	1.53	8.7	<0.02	<1	0.1	1.7	<10	<2
129066	Soil	<0.02	0.79	5.2	0.4	<0.05	0.2	1.71	9.7	0.02	<1	0.3	5.1	<10	<2
129067	Soil	<0.02	0.44	4.7	0.2	<0.05	0.3	0.65	3.2	<0.02	<1	0.2	0.9	<10	<2
129068	Soil	0.03	0.20	3.5	0.1	<0.05	1.1	2.80	8.7	0.02	<1	<0.1	2.7	<10	<2
129069	Soil	<0.02	0.37	9.7	0.3	<0.05	0.3	2.95	11.4	0.02	<1	0.2	5.4	<10	<2
129070	Soil	<0.02	0.26	5.8	0.3	<0.05	0.1	2.61	14.5	0.04	<1	0.2	3.5	<10	<2
129071	Soil	0.13	0.34	9.0	0.5	<0.05	3.0	20.16	38.5	0.07	<1	0.7	13.5	<10	<2
129072	Soil	<0.02	0.27	5.5	0.3	<0.05	0.2	2.45	8.9	0.02	<1	0.1	2.1	<10	<2
129073	Soil	<0.02	0.32	4.1	0.2	<0.05	0.3	3.68	10.0	0.03	<1	<0.1	4.2	<10	<2
129074	Soil	<0.02	0.39	4.3	0.2	<0.05	0.2	0.79	3.3	<0.02	<1	<0.1	1.1	<10	<2
129075	Soil	<0.02	1.06	8.2	0.4	<0.05	0.7	30.40	66.7	0.05	<1	0.8	6.8	<10	<2
129076	Soil	<0.02	0.31	4.1	0.2	<0.05	0.2	2.25	7.6	<0.02	<1	0.2	1.1	<10	<2
129077	Soil	0.02	0.68	3.5	0.3	<0.05	1.0	3.74	8.9	<0.02	<1	0.1	3.2	<10	<2
129078	Soil	0.06	1.45	7.3	0.6	<0.05	3.4	21.79	30.8	0.04	<1	0.8	5.6	<10	<2
129079	Soil	<0.02	0.36	5.7	0.3	<0.05	0.5	0.71	3.5	<0.02	<1	<0.1	2.1	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
129080	Soil	1.20	14.99	8.95	85.1	84	9.9	10.2	2704	1.54	4.2	0.1	0.2	<0.1	55.5	1.13	0.35	0.11	32	0.69	
129081	Soil	0.87	15.28	6.63	49.2	721	7.2	3.3	80	0.59	1.3	<0.1	<0.2	<0.1	51.4	1.18	0.18	0.07	17	0.60	
129082	Soil	0.69	30.99	6.40	103.8	211	25.2	13.7	359	3.14	4.2	<0.1	<0.2	<0.1	50.2	1.67	0.86	0.08	90	0.76	
129083	Soil	0.94	9.75	9.53	99.1	205	6.2	4.4	1837	1.81	3.5	0.1	2.1	<0.1	35.3	1.43	0.49	0.18	36	0.48	
129084	Soil	0.93	13.97	10.18	104.0	406	6.2	5.3	3203	1.16	1.9	<0.1	0.5	<0.1	37.2	2.41	0.35	0.14	22	0.49	
129085	Soil	1.35	19.87	8.66	41.6	835	11.3	7.2	459	2.04	9.2	0.3	0.4	0.5	68.9	0.61	0.60	0.19	36	0.83	
129086	Soil	0.90	11.55	7.52	59.9	265	4.5	2.1	267	1.17	5.1	<0.1	1.0	<0.1	25.2	0.97	0.69	0.18	25	0.37	
129087	Soil	1.03	10.05	7.36	48.9	271	7.8	4.6	355	1.62	6.1	<0.1	<0.2	0.2	100.7	0.77	0.47	0.15	30	1.21	
129088	Soil	0.96	16.32	9.72	66.4	752	8.0	4.3	461	1.63	6.2	0.1	<0.2	<0.1	39.9	0.76	0.54	0.12	30	0.36	
129089	Soil	1.05	16.26	10.50	85.9	194	13.2	10.8	1579	2.64	10.3	0.2	0.5	0.4	59.3	1.36	0.65	0.17	48	0.63	
129090	Soil	1.25	28.13	10.17	45.1	1123	13.3	9.4	898	1.94	8.7	0.3	0.6	0.2	89.9	1.00	0.59	0.16	39	1.03	
129091	Soil	0.80	11.47	4.68	81.6	300	5.0	3.8	1217	0.65	1.9	<0.1	<0.2	<0.1	71.8	2.42	0.22	0.05	12	0.98	
129092	Soil	0.80	15.68	7.26	73.2	412	10.4	8.5	1271	1.51	10.5	0.1	3.3	0.1	121.6	1.35	0.73	0.14	26	1.70	
129093	Soil	0.67	8.54	5.43	22.5	557	4.6	2.4	547	0.49	2.4	<0.1	1.1	<0.1	74.2	1.12	0.27	0.09	9	0.98	
129094	Soil	0.66	8.74	4.53	49.8	106	2.1	1.7	334	0.50	0.5	<0.1	1.0	<0.1	37.9	0.27	0.21	0.09	9	0.59	
129095	Soil	4.46	27.80	9.58	51.5	235	6.8	3.9	1250	1.56	8.2	0.1	3.0	<0.1	53.6	0.54	0.56	0.25	30	0.55	
129096	Soil	2.70	16.01	7.03	50.6	760	6.0	2.8	1666	1.35	7.8	0.1	2.5	<0.1	24.0	0.75	0.70	0.23	34	0.41	
129097	Soil	1.99	22.73	8.69	104.5	516	10.9	8.8	1632	1.85	6.9	0.2	0.3	0.3	54.2	1.70	0.49	0.17	34	0.73	
129098	Soil	1.94	8.29	4.91	48.3	264	3.9	2.0	179	0.70	1.1	<0.1	0.6	0.2	32.0	0.73	0.21	0.06	14	0.56	
129099	Soil	1.37	13.52	12.43	78.3	385	8.9	6.6	873	2.64	4.9	0.2	0.4	0.3	19.6	0.58	0.69	0.34	54	0.21	
129100	Soil	2.08	22.76	9.50	128.3	726	8.9	4.7	845	1.83	4.4	0.2	0.4	0.1	84.2	2.74	0.66	0.19	41	1.00	



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
129080	Soil	0.107	3.5	12.2	0.14	298.6	0.014	3	0.69	0.018	0.07	<0.1	1.0	0.10	0.06	103	0.5	0.03	3.1	0.49	<0.1
129081	Soil	0.070	2.5	6.4	0.06	183.1	0.015	3	0.30	0.015	0.07	<0.1	0.7	0.02	0.07	135	0.4	0.03	1.5	0.30	<0.1
129082	Soil	0.085	2.4	35.7	0.16	245.2	0.010	3	0.55	0.009	0.06	<0.1	1.5	<0.02	0.05	265	0.3	0.03	4.7	0.65	<0.1
129083	Soil	0.072	4.8	10.0	0.10	247.1	0.021	3	0.56	0.012	0.08	<0.1	1.0	0.06	0.03	72	0.3	0.02	3.8	0.30	<0.1
129084	Soil	0.116	4.0	9.1	0.09	577.8	0.019	2	0.54	0.024	0.13	<0.1	0.9	0.08	0.05	80	0.4	<0.02	2.6	0.51	<0.1
129085	Soil	0.091	8.1	12.7	0.27	188.7	0.021	3	0.86	0.019	0.08	<0.1	3.4	0.05	0.06	155	0.6	0.07	3.7	0.43	<0.1
129086	Soil	0.068	3.4	7.9	0.06	183.0	0.012	4	0.29	0.014	0.06	<0.1	0.5	0.02	0.04	81	0.4	0.05	2.0	0.40	<0.1
129087	Soil	0.096	3.3	9.3	0.22	207.8	0.018	4	0.57	0.017	0.10	<0.1	1.4	0.05	0.10	91	0.5	0.04	3.1	0.49	<0.1
129088	Soil	0.091	3.6	10.8	0.13	205.8	0.021	2	0.62	0.017	0.07	<0.1	1.2	0.04	0.04	80	0.4	0.04	3.4	0.44	<0.1
129089	Soil	0.093	4.7	16.7	0.26	344.0	0.031	2	0.99	0.013	0.08	<0.1	2.7	0.05	0.03	57	0.2	0.05	4.7	0.57	<0.1
129090	Soil	0.074	9.2	13.1	0.20	275.3	0.015	2	0.95	0.015	0.08	<0.1	2.7	0.06	0.07	119	0.7	0.06	3.9	0.37	<0.1
129091	Soil	0.119	1.9	6.0	0.09	234.5	0.015	6	0.27	0.015	0.12	<0.1	0.9	0.05	0.12	123	0.6	<0.02	1.3	0.30	<0.1
129092	Soil	0.089	2.6	10.1	0.25	217.6	0.013	3	0.49	0.018	0.09	<0.1	1.1	0.05	0.13	115	0.1	0.06	2.3	0.47	<0.1
129093	Soil	0.094	1.7	4.2	0.09	147.5	0.011	5	0.20	0.020	0.10	<0.1	0.4	<0.02	0.15	121	<0.1	0.05	0.7	0.21	<0.1
129094	Soil	0.118	0.7	1.8	0.10	77.7	0.015	3	0.24	0.017	0.16	<0.1	0.3	0.04	0.12	172	<0.1	0.06	0.7	0.37	<0.1
129095	Soil	0.088	4.2	9.5	0.12	275.1	0.016	2	0.52	0.015	0.09	<0.1	0.7	0.07	0.05	109	0.1	0.05	2.8	0.44	<0.1
129096	Soil	0.057	5.2	9.1	0.06	203.6	0.010	3	0.45	0.009	0.06	<0.1	0.3	0.07	0.03	105	0.2	0.04	2.5	0.28	<0.1
129097	Soil	0.071	4.1	12.3	0.24	208.2	0.024	3	0.71	0.013	0.08	<0.1	2.1	0.05	0.07	105	0.2	0.06	3.0	0.50	<0.1
129098	Soil	0.087	1.1	5.5	0.11	83.8	0.015	6	0.29	0.016	0.10	<0.1	0.7	0.03	0.10	155	0.2	0.04	1.4	0.23	<0.1
129099	Soil	0.100	5.0	16.6	0.22	187.1	0.038	2	0.88	0.014	0.08	<0.1	2.3	0.06	0.03	67	<0.1	0.04	5.6	0.66	<0.1
129100	Soil	0.081	4.4	13.1	0.22	274.6	0.034	6	0.56	0.014	0.17	0.1	1.3	0.04	0.07	108	<0.1	0.02	3.2	0.42	<0.1



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

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CERTIFICATE OF ANALYSIS

SMI10000708.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	
129080	Soil	<0.02	0.45	4.7	0.4	<0.05	<0.1	1.38	7.2	<0.02	<1	0.1	2.6	<10	<2
129081	Soil	<0.02	0.42	3.2	0.2	<0.05	0.3	0.77	4.3	<0.02	<1	<0.1	0.6	<10	<2
129082	Soil	<0.02	1.29	2.8	0.7	<0.05	0.1	1.13	4.6	0.02	<1	<0.1	1.3	<10	<2
129083	Soil	<0.02	0.70	3.7	0.6	<0.05	0.2	1.28	8.7	<0.02	<1	<0.1	1.4	<10	<2
129084	Soil	<0.02	0.47	3.3	0.4	<0.05	<0.1	1.17	7.5	<0.02	<1	0.1	1.5	<10	<2
129085	Soil	0.03	0.58	3.9	0.3	<0.05	1.8	6.18	13.0	0.02	<1	0.1	5.3	<10	<2
129086	Soil	<0.02	0.44	1.8	0.5	<0.05	0.1	0.86	6.5	<0.02	<1	0.1	0.8	<10	<2
129087	Soil	0.03	0.65	6.5	0.2	<0.05	1.1	1.55	5.2	<0.02	<1	<0.1	3.8	<10	<2
129088	Soil	<0.02	0.48	3.4	0.4	<0.05	0.2	1.45	6.8	0.02	<1	0.3	1.9	<10	<2
129089	Soil	<0.02	0.87	9.5	0.3	<0.05	0.7	2.61	10.0	0.03	<1	0.3	4.9	<10	<2
129090	Soil	<0.02	0.91	5.0	0.4	<0.05	0.4	8.69	16.7	0.03	<1	0.2	3.3	<10	<2
129091	Soil	<0.02	0.30	4.8	0.1	<0.05	0.4	0.84	3.4	<0.02	<1	0.2	0.9	<10	<2
129092	Soil	<0.02	0.74	8.0	0.3	<0.05	0.5	1.29	5.3	0.03	<1	<0.1	3.2	<10	<2
129093	Soil	<0.02	0.25	2.4	0.2	<0.05	0.2	0.61	2.4	<0.02	1	0.2	0.6	<10	<2
129094	Soil	<0.02	0.14	6.1	0.2	<0.05	0.2	0.41	1.3	<0.02	<1	0.2	0.5	<10	<2
129095	Soil	<0.02	0.53	5.8	0.4	<0.05	0.2	1.27	7.7	0.02	<1	0.2	1.3	<10	<2
129096	Soil	<0.02	0.21	3.0	0.4	<0.05	<0.1	1.06	9.6	<0.02	<1	0.2	0.7	<10	<2
129097	Soil	0.02	0.90	5.2	0.3	<0.05	1.1	2.74	9.8	<0.02	<1	0.2	4.2	<10	<2
129098	Soil	<0.02	0.46	2.2	0.2	<0.05	0.7	0.53	2.3	<0.02	2	0.1	1.6	<10	<2
129099	Soil	0.04	1.21	8.9	0.5	<0.05	2.1	1.79	9.2	0.02	<1	0.2	4.3	<10	<2
129100	Soil	<0.02	1.01	6.3	0.5	<0.05	0.4	1.74	7.9	<0.02	<1	0.3	2.5	<10	<2



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

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
 Report Date: December 02, 2010

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

SMI10000708.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																				
936901	Soil	1.40	19.32	8.90	184.9	637	12.5	10.6	2433	1.37	3.1	<0.1	2.6	0.1	158.4	5.67	0.39	0.14	23	2.02
REP 936901	QC	1.41	21.39	8.74	196.5	701	13.6	11.3	2634	1.32	2.7	<0.1	1.9	0.2	171.8	6.21	0.41	0.14	22	2.23
936926	Soil	1.19	18.89	8.99	71.4	215	10.5	11.5	1305	2.12	4.2	0.2	0.8	<0.1	29.1	2.04	0.35	0.17	43	0.43
REP 936926	QC	1.26	19.55	9.57	73.9	276	10.5	11.5	1366	2.01	4.4	0.2	<0.2	<0.1	34.1	2.45	0.34	0.16	40	0.50
936944	Soil	1.16	11.50	8.48	45.1	689	6.9	4.0	494	1.99	6.4	0.1	0.2	<0.1	18.4	0.48	0.51	0.14	41	0.17
REP 936944	QC	1.15	11.58	8.54	45.3	716	7.1	4.0	522	2.01	6.5	0.1	<0.2	<0.1	19.8	0.45	0.52	0.14	43	0.16
162513	Soil	1.23	12.36	9.04	137.3	96	12.5	11.0	1067	2.16	4.0	0.1	0.4	0.3	54.7	2.91	0.50	0.17	43	0.78
REP 162513	QC	1.23	12.91	9.32	136.6	99	12.9	11.6	1173	2.28	4.5	0.1	1.5	0.3	57.1	2.76	0.51	0.18	44	0.76
162525	Soil	0.67	16.69	3.62	25.1	362	4.8	3.0	91	0.54	1.3	0.2	6.1	0.2	76.4	0.39	0.32	0.13	8	1.03
REP 162525	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162549	Soil	0.96	48.57	10.23	128.3	1249	25.9	12.5	2426	2.60	11.0	0.4	<0.2	0.2	69.2	2.46	1.44	0.11	44	1.32
REP 162549	QC	1.03	47.48	10.69	142.6	1301	25.6	12.8	2339	2.72	12.8	0.4	0.8	0.3	74.2	2.18	1.46	0.13	47	1.25
162583	Soil	1.70	142.5	14.13	153.8	955	39.1	15.8	2651	3.75	26.1	0.6	2.2	1.0	63.5	3.53	1.55	0.52	56	0.80
REP 162583	QC	1.63	139.8	13.77	148.2	1034	37.1	16.3	2613	3.68	24.7	0.6	3.4	1.0	63.0	3.64	1.47	0.53	55	0.79
162610	Soil	0.97	8.65	12.70	57.9	77	6.4	4.9	1826	1.45	2.1	0.1	0.8	<0.1	37.6	0.54	0.31	0.13	25	0.42
REP 162610	QC	1.08	8.87	12.78	61.7	82	6.3	4.9	1824	1.37	2.1	<0.1	6.1	<0.1	40.2	0.59	0.32	0.13	24	0.48
162617	Soil	2.15	62.80	11.59	69.5	633	29.4	21.4	1007	3.20	9.1	0.7	1.5	0.3	49.6	2.24	1.11	0.26	65	0.69
REP 162617	QC	2.21	63.44	11.96	70.3	597	30.2	21.2	1011	3.24	9.4	0.7	1.3	0.2	49.1	2.19	1.19	0.26	66	0.67
129012	Soil	0.59	20.66	10.41	71.3	186	15.4	13.0	734	2.89	27.9	0.1	<0.2	0.4	43.1	0.69	1.54	0.21	51	0.63
REP 129012	QC	0.56	20.88	10.35	70.5	172	15.2	12.5	719	2.83	27.3	0.1	<0.2	0.4	42.0	0.71	1.14	0.22	51	0.63
129034	Soil	0.93	12.15	12.12	84.0	63	15.9	22.2	3716	2.87	20.9	0.1	0.5	0.1	45.8	0.59	1.22	0.23	50	0.71
REP 129034	QC	0.96	13.00	12.96	88.0	61	18.0	23.6	3551	3.20	28.6	0.1	1.1	0.2	47.2	0.57	1.65	0.26	55	0.72
129039	Soil	0.93	20.24	8.98	131.6	240	10.9	8.4	833	2.88	11.0	0.2	1.0	0.2	30.9	2.79	0.66	0.15	55	0.26
REP 129039	QC	0.89	19.22	8.69	125.6	271	10.6	8.1	794	2.73	11.2	0.2	<0.2	0.2	30.2	2.92	0.62	0.14	51	0.27
129066	Soil	0.91	12.47	8.76	79.5	437	11.6	9.1	1182	2.36	9.3	0.2	0.6	0.1	48.3	0.50	0.38	0.21	47	0.54
REP 129066	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129083	Soil	0.94	9.75	9.53	99.1	205	6.2	4.4	1837	1.81	3.5	0.1	2.1	<0.1	35.3	1.43	0.49	0.18	36	0.48
REP 129083	QC	0.96	9.12	8.99	91.2	181	6.2	4.1	1577	1.87	3.7	0.1	<0.2	0.1	30.2	1.20	0.50	0.20	38	0.42

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.



Acme Analytical Laboratories (Vancouver) Ltd.

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

www.acmelab.com

Client: Copper Ridge Exploration Inc.
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
Report Date: December 02, 2010

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QUALITY CONTROL REPORT

SMI10000708.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
Pulp Duplicates																					
936901	Soil	0.121	3.2	9.1	0.19	449.1	0.018	11	0.44	0.010	0.14	<0.1	1.2	0.05	0.12	132	0.4	0.05	2.4	0.42	<0.1
REP 936901	QC	0.130	3.3	8.7	0.19	474.8	0.022	14	0.45	0.011	0.14	<0.1	1.3	0.06	0.13	133	0.5	0.06	2.3	0.49	<0.1
936926	Soil	0.094	4.4	12.8	0.10	244.8	0.015	2	0.72	0.008	0.09	<0.1	0.8	0.07	0.05	109	0.3	0.04	4.5	1.38	<0.1
REP 936926	QC	0.110	4.7	13.4	0.11	299.6	0.015	2	0.73	0.008	0.09	<0.1	0.8	0.07	0.06	130	0.3	0.06	4.5	1.48	<0.1
936944	Soil	0.075	3.7	11.7	0.08	131.4	0.014	3	0.55	0.008	0.06	<0.1	1.0	0.07	0.03	69	0.3	0.05	3.6	0.45	<0.1
REP 936944	QC	0.079	3.8	12.1	0.08	131.2	0.016	4	0.61	0.008	0.06	<0.1	1.1	0.07	0.03	60	0.2	0.04	3.7	0.45	<0.1
162513	Soil	0.095	4.0	15.0	0.24	186.0	0.026	3	0.88	0.008	0.11	<0.1	1.8	0.03	0.05	62	0.3	0.02	3.9	0.78	<0.1
REP 162513	QC	0.096	4.1	15.8	0.24	189.2	0.026	3	0.93	0.008	0.11	0.1	1.9	0.03	0.05	63	0.3	0.04	4.1	0.80	<0.1
162525	Soil	0.075	6.9	6.8	0.06	172.7	0.005	2	0.38	0.013	0.05	<0.1	1.3	0.03	0.13	209	1.3	<0.02	1.2	0.40	<0.1
REP 162525	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162549	Soil	0.090	34.4	18.7	0.28	198.3	0.006	3	1.99	0.011	0.07	<0.1	3.2	0.12	0.06	185	2.0	0.07	5.8	2.03	0.2
REP 162549	QC	0.093	33.1	20.7	0.29	208.9	0.006	1	1.99	0.012	0.07	<0.1	3.7	0.13	0.06	162	2.1	0.06	6.0	2.21	0.2
162583	Soil	0.101	31.3	25.5	0.38	356.8	0.006	2	2.14	0.011	0.12	<0.1	7.6	0.15	0.03	74	0.6	0.08	6.0	1.20	<0.1
REP 162583	QC	0.096	30.4	23.6	0.36	339.1	0.007	2	2.07	0.010	0.12	<0.1	7.2	0.15	0.03	82	0.6	0.13	5.7	1.15	<0.1
162610	Soil	0.099	3.4	8.6	0.08	174.1	0.011	2	0.44	0.009	0.08	<0.1	0.5	0.05	0.06	127	0.3	<0.02	2.5	0.38	<0.1
REP 162610	QC	0.105	3.5	8.7	0.09	183.7	0.012	1	0.46	0.009	0.09	0.1	0.6	0.05	0.06	129	0.2	<0.02	2.7	0.40	<0.1
162617	Soil	0.072	20.7	19.8	0.21	117.2	0.020	1	1.26	0.011	0.06	<0.1	3.7	0.09	0.03	58	1.1	0.08	6.0	1.77	<0.1
REP 162617	QC	0.070	21.2	20.0	0.22	124.2	0.022	<1	1.26	0.012	0.06	<0.1	3.8	0.09	0.03	51	1.0	0.09	6.3	1.87	<0.1
129012	Soil	0.047	5.4	15.9	0.25	149.7	0.032	1	1.08	0.011	0.16	<0.1	2.6	0.11	0.04	30	0.1	0.06	5.0	1.13	<0.1
REP 129012	QC	0.046	5.6	16.3	0.26	145.6	0.034	2	1.11	0.012	0.16	<0.1	2.7	0.12	0.04	37	0.2	0.05	5.0	1.15	<0.1
129034	Soil	0.074	4.5	15.8	0.27	380.5	0.019	3	1.16	0.008	0.09	<0.1	1.8	0.14	0.04	65	0.2	0.04	4.9	1.17	<0.1
REP 129034	QC	0.084	4.9	16.4	0.28	380.5	0.030	3	1.30	0.009	0.10	<0.1	2.4	0.16	0.04	56	0.2	0.02	5.3	1.47	<0.1
129039	Soil	0.115	5.1	16.2	0.14	297.5	0.022	2	0.90	0.008	0.05	<0.1	2.1	0.05	<0.02	55	0.3	0.05	5.3	0.54	<0.1
REP 129039	QC	0.105	5.0	15.5	0.14	296.4	0.022	3	0.85	0.008	0.05	<0.1	2.0	0.04	<0.02	38	0.3	0.03	4.9	0.53	<0.1
129066	Soil	0.112	4.8	15.3	0.20	209.6	0.019	2	1.08	0.009	0.11	<0.1	1.7	0.06	0.04	80	0.3	0.05	5.0	0.34	<0.1
REP 129066	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129083	Soil	0.072	4.8	10.0	0.10	247.1	0.021	3	0.56	0.012	0.08	<0.1	1.0	0.06	0.03	72	0.3	0.02	3.8	0.30	<0.1
REP 129083	QC	0.073	4.7	10.8	0.09	214.1	0.023	3	0.55	0.010	0.07	<0.1	1.1	0.05	0.03	63	0.3	0.03	4.0	0.31	<0.1

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QUALITY CONTROL REPORT

SMI10000708.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	
Pulp Duplicates															
936901	Soil	<0.02	0.42	8.2	0.3	<0.05	0.4	1.52	5.6	0.04	<1	<0.1	2.5	<10	<2
REP 936901	QC	<0.02	0.39	9.5	0.2	<0.05	0.4	1.52	5.9	<0.02	<1	<0.1	2.2	<10	<2
936926	Soil	<0.02	0.83	13.0	0.5	<0.05	0.1	1.37	8.2	<0.02	<1	0.2	2.4	<10	<2
REP 936926	QC	<0.02	0.91	13.4	0.4	<0.05	0.1	1.39	8.4	0.02	<1	0.2	2.4	<10	<2
936944	Soil	<0.02	0.55	4.1	0.5	<0.05	0.1	1.19	7.4	<0.02	<1	0.2	1.8	<10	<2
REP 936944	QC	<0.02	0.55	4.5	0.4	<0.05	0.1	1.24	7.5	<0.02	2	0.1	2.0	<10	<2
162513	Soil	<0.02	0.71	12.8	0.3	<0.05	0.5	1.63	7.9	<0.02	<1	0.2	4.2	<10	<2
REP 162513	QC	<0.02	0.69	12.5	0.3	<0.05	0.5	1.55	7.8	<0.02	<1	0.2	4.2	<10	<2
162525	Soil	<0.02	0.16	2.5	0.1	<0.05	0.8	7.85	7.9	0.02	<1	<0.1	0.6	<10	<2
REP 162525	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
162549	Soil	<0.02	0.76	6.6	0.4	<0.05	0.5	37.43	40.6	0.03	<1	0.7	8.8	<10	<2
REP 162549	QC	0.02	0.83	7.9	0.5	<0.05	0.5	38.64	41.4	0.04	<1	0.5	9.4	<10	<2
162583	Soil	0.04	0.63	14.0	0.4	<0.05	1.8	31.02	33.7	0.06	<1	0.4	8.2	<10	<2
REP 162583	QC	0.04	0.64	13.5	0.5	<0.05	1.6	29.69	32.3	0.05	<1	0.5	7.9	<10	<2
162610	Soil	<0.02	0.41	4.3	0.3	<0.05	<0.1	1.00	6.3	<0.02	<1	<0.1	1.2	<10	<2
REP 162610	QC	<0.02	0.48	4.4	0.3	<0.05	0.2	1.08	6.5	<0.02	<1	<0.1	1.4	<10	<2
162617	Soil	0.03	0.98	12.9	0.5	<0.05	0.4	21.49	24.4	0.03	<1	0.7	4.5	<10	<2
REP 162617	QC	<0.02	0.98	12.9	0.5	<0.05	0.4	21.78	25.2	0.03	<1	0.7	4.5	<10	<2
129012	Soil	<0.02	1.28	10.5	0.5	<0.05	0.9	2.55	11.2	0.03	<1	0.1	5.1	<10	<2
REP 129012	QC	<0.02	1.34	10.6	0.5	<0.05	0.8	2.65	11.5	0.02	<1	0.3	5.8	<10	<2
129034	Soil	<0.02	0.71	12.0	0.4	<0.05	0.2	1.92	9.4	0.03	<1	0.5	6.0	<10	<2
REP 129034	QC	<0.02	0.71	14.2	0.4	<0.05	0.1	2.17	9.9	0.03	<1	0.3	7.0	<10	<2
129039	Soil	<0.02	0.60	4.4	0.5	<0.05	0.3	2.16	10.4	<0.02	<1	0.2	3.8	<10	<2
REP 129039	QC	<0.02	0.56	4.2	0.5	<0.05	0.3	2.12	9.9	0.02	<1	0.2	3.4	<10	<2
129066	Soil	<0.02	0.79	5.2	0.4	<0.05	0.2	1.71	9.7	0.02	<1	0.3	5.1	<10	<2
REP 129066	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
129083	Soil	<0.02	0.70	3.7	0.6	<0.05	0.2	1.28	8.7	<0.02	<1	<0.1	1.4	<10	<2
REP 129083	QC	<0.02	0.68	3.6	0.5	<0.05	0.2	1.21	8.8	<0.02	<1	0.1	1.4	<10	<2

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.



Acme Analytical Laboratories (Vancouver) Ltd.

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

www.acmelab.com

Client: Copper Ridge Exploration Inc.
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given
Report Date: December 02, 2010

Page: 2 of 2 **Part** 1

QUALITY CONTROL REPORT

SMI10000708.1

	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
129095	Soil	4.46	27.80	9.58	51.5	235	6.8	3.9	1250	1.56	8.2	0.1	3.0	<0.1	53.6	0.54	0.56	0.25	30	0.55
REP 129095	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Reference Materials																				
STD DS7	Standard	20.50	103.3	62.40	364.6	941	54.5	9.3	612	2.31	46.6	4.6	66.3	4.6	70.2	6.23	5.54	4.51	79	0.95
STD DS7	Standard	21.67	112.8	69.13	393.9	980	55.6	9.2	605	2.38	49.5	5.0	72.4	4.7	70.2	6.60	5.77	4.57	81	0.93
STD DS7	Standard	19.31	107.6	60.76	372.6	807	55.3	9.1	582	2.21	45.4	4.3	60.6	3.9	67.3	5.55	5.00	4.30	74	0.88
STD DS7	Standard	21.29	102.2	64.68	363.9	907	53.5	9.4	602	2.33	47.0	4.8	65.1	4.9	77.2	6.31	4.65	4.73	85	1.00
STD DS7	Standard	20.78	109.1	63.36	386.8	887	53.7	9.5	643	2.41	49.7	4.9	68.0	4.7	79.6	6.39	4.69	4.28	85	1.02
STD DS7	Standard	22.33	107.6	68.25	399.0	965	55.9	10.2	663	2.51	52.8	5.2	71.1	4.9	82.2	6.72	5.13	4.58	85	1.05
STD DS7	Standard	21.61	115.8	69.00	390.8	1021	58.9	9.6	631	2.43	48.8	5.1	144.4	4.8	70.6	6.24	4.94	4.51	83	0.98
STD DS7	Standard	22.21	109.2	67.98	400.5	1006	55.6	9.7	619	2.45	52.4	5.0	85.1	4.6	68.9	6.83	6.03	4.66	82	0.98
STD DS7 Expected		20.5	109	70.6	411	890	56	9.7	627	2.39	50	4.9	70	4.4	72.3	6.38	4.6	4.51	84	0.93
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01



Acme Analytical Laboratories (Vancouver) Ltd.

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

www.acmelab.com

Client: Copper Ridge Exploration Inc.
 11th Floor - 888 Dunsmuir Street
 Vancouver BC V6C 3K4 Canada

Project: None Given

Report Date: December 02, 2010

Page: 2 of 2 **Part** 2

QUALITY CONTROL REPORT

SMI10000708.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
129095	Soil	0.088	4.2	9.5	0.12	275.1	0.016	2	0.52	0.015	0.09	<0.1	0.7	0.07	0.05	109	0.1	0.05	2.8	0.44	<0.1
REP 129095	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Reference Materials																					
STD DS7	Standard	0.077	13.1	194.6	1.01	380.2	0.116	39	1.06	0.090	0.46	3.4	2.7	3.99	0.19	199	3.4	1.30	4.8	6.29	<0.1
STD DS7	Standard	0.074	14.0	195.0	1.06	375.9	0.121	34	1.04	0.092	0.46	3.4	2.6	4.20	0.20	225	3.0	1.31	4.7	6.53	0.1
STD DS7	Standard	0.067	11.5	180.1	0.97	345.0	0.113	30	0.96	0.080	0.43	3.2	2.3	3.65	0.18	214	2.9	1.07	4.5	5.49	<0.1
STD DS7	Standard	0.079	14.7	188.0	1.01	386.0	0.116	36	1.12	0.096	0.48	3.2	2.8	4.13	0.20	203	3.3	1.27	5.0	6.24	0.1
STD DS7	Standard	0.078	14.8	200.2	1.08	368.1	0.128	38	1.13	0.104	0.48	3.1	3.0	3.92	0.19	202	3.3	1.30	5.1	6.46	<0.1
STD DS7	Standard	0.081	15.9	204.7	1.13	415.2	0.131	34	1.16	0.109	0.50	3.4	3.3	4.30	0.20	210	3.5	1.43	5.5	6.89	0.1
STD DS7	Standard	0.070	14.1	205.6	1.06	385.1	0.129	36	1.05	0.090	0.47	3.5	2.6	4.09	0.20	220	3.0	1.19	4.8	6.36	0.1
STD DS7	Standard	0.077	13.9	190.1	1.08	402.0	0.122	38	1.04	0.096	0.47	3.5	2.9	4.18	0.20	212	3.6	1.33	5.3	6.60	<0.1
STD DS7 Expected		0.08	12.7	192	1.05	410	0.124	38.6	1.0195	0.089	0.44	3.4	2.5	4.19	0.19	210	3.5	1.18	4.6	6.36	0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Copper Ridge Exploration Inc.**

11th Floor - 888 Dunsmuir Street

Vancouver BC V6C 3K4 Canada

Project: None Given

Report Date: December 02, 2010

Page: 2 of 2 Part 3

QUALITY CONTROL REPORT

SMI10000708.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
129095	Soil	<0.02	0.53	5.8	0.4	<0.05	0.2	1.27	7.7	0.02	<1	0.2	1.3	<10	<2
REP 129095	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Reference Materials															
STD DS7	Standard	0.11	0.75	34.7	4.8	<0.05	5.5	6.06	37.8	1.49	4	1.4	28.8	65	40
STD DS7	Standard	0.10	0.70	36.9	4.8	<0.05	5.6	6.31	39.8	1.57	5	1.8	26.7	63	40
STD DS7	Standard	0.08	0.56	31.7	4.4	<0.05	4.9	5.78	33.8	1.43	5	2.0	26.4	69	40
STD DS7	Standard	0.12	0.85	34.5	4.8	<0.05	5.7	6.82	40.3	1.53	2	1.9	29.2	64	40
STD DS7	Standard	0.11	0.76	36.8	5.0	<0.05	5.0	6.97	41.4	1.57	3	1.7	30.2	51	40
STD DS7	Standard	0.13	0.90	39.1	5.2	<0.05	5.9	7.44	43.1	1.74	3	1.8	27.0	58	39
STD DS7	Standard	0.11	0.69	36.7	4.8	<0.05	5.2	6.40	38.9	1.58	4	1.7	27.8	71	41
STD DS7	Standard	0.10	0.77	39.0	5.2	<0.05	5.4	6.31	39.5	1.70	4	1.4	29.5	61	42
STD DS7 Expected		0.11	0.71	35.8	4.61		5.4	5.18	36	1.57	4	1.6	29.3	70	40
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	0.9	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2

Pocket 1

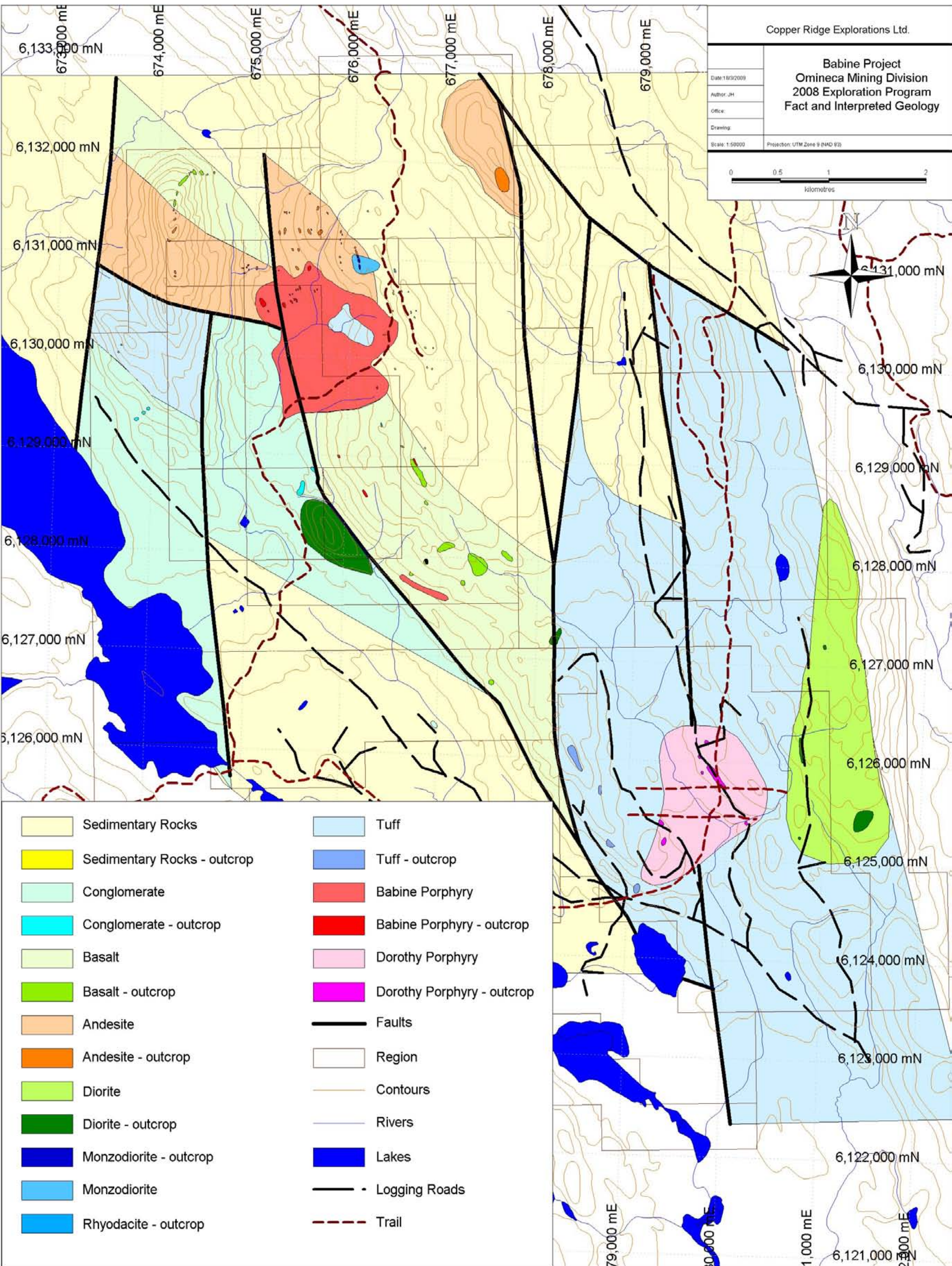
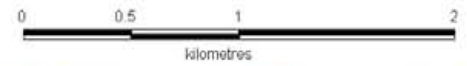
Fact and Interpreted Geology

Copper Ridge Explorations Ltd.

Babine Project
Omineca Mining Division
2008 Exploration Program
Fact and Interpreted Geology

Date: 18/3/2009
Author: JH
Office:
Drawing:
Scale: 1:50000

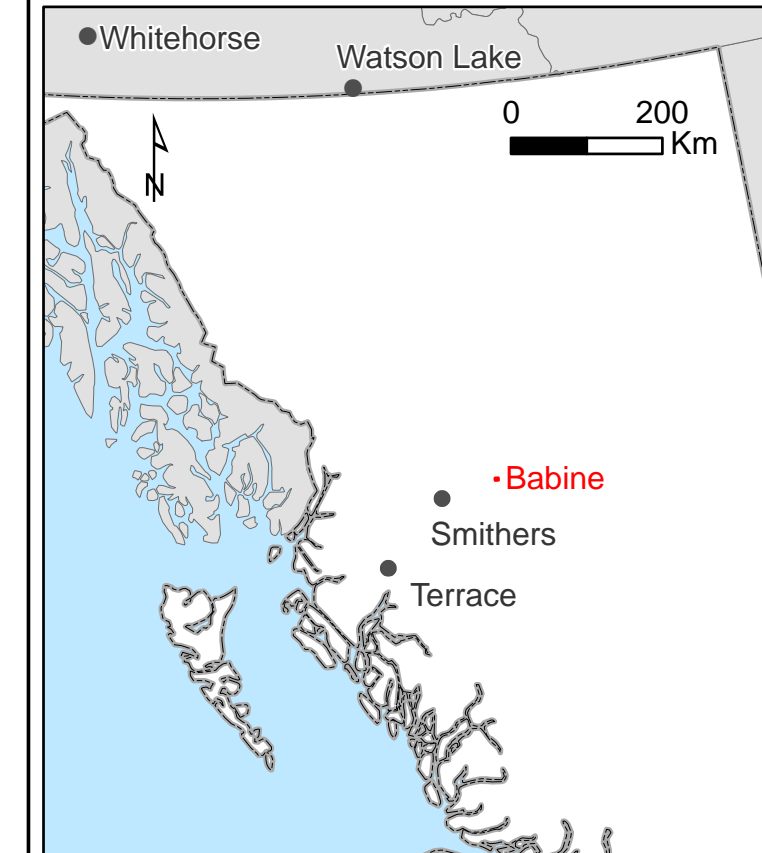
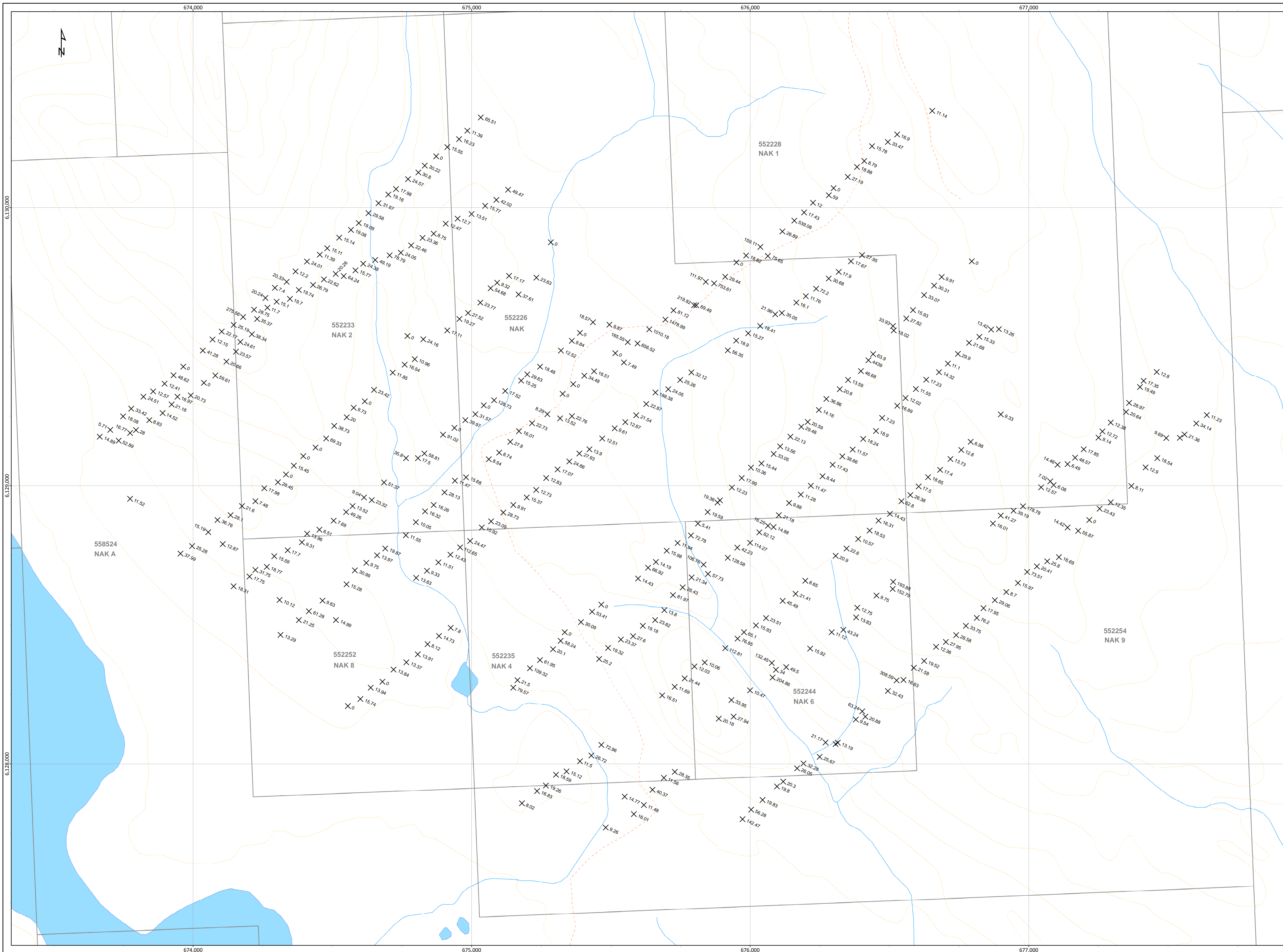
Projection: UTM Zone 9 (NAD 83)



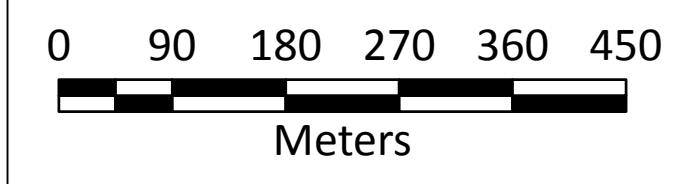
- | | |
|-----------------------------|----------------------------|
| Sedimentary Rocks | Tuff |
| Sedimentary Rocks - outcrop | Tuff - outcrop |
| Conglomerate | Babine Porphyry |
| Conglomerate - outcrop | Babine Porphyry - outcrop |
| Basalt | Dorothy Porphyry |
| Basalt - outcrop | Dorothy Porphyry - outcrop |
| Andesite | Faults |
| Andesite - outcrop | Region |
| Diorite | Contours |
| Diorite - outcrop | Rivers |
| Monzodiorite - outcrop | Lakes |
| Monzodiorite | Logging Roads |
| Rhyodacite - outcrop | Trail |

Pocket 2

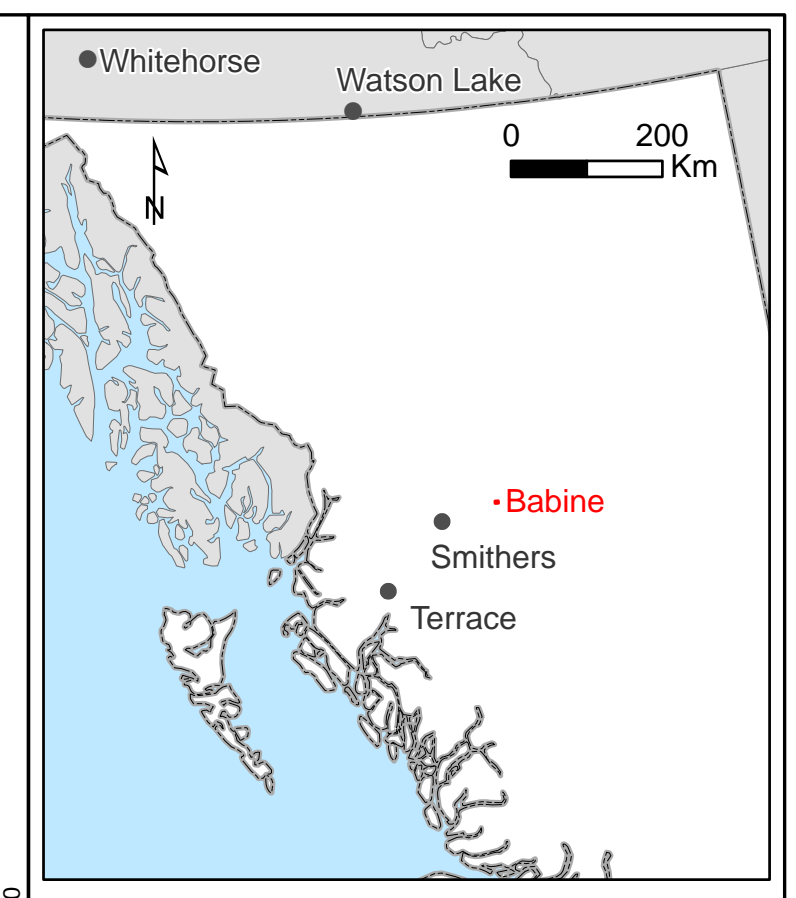
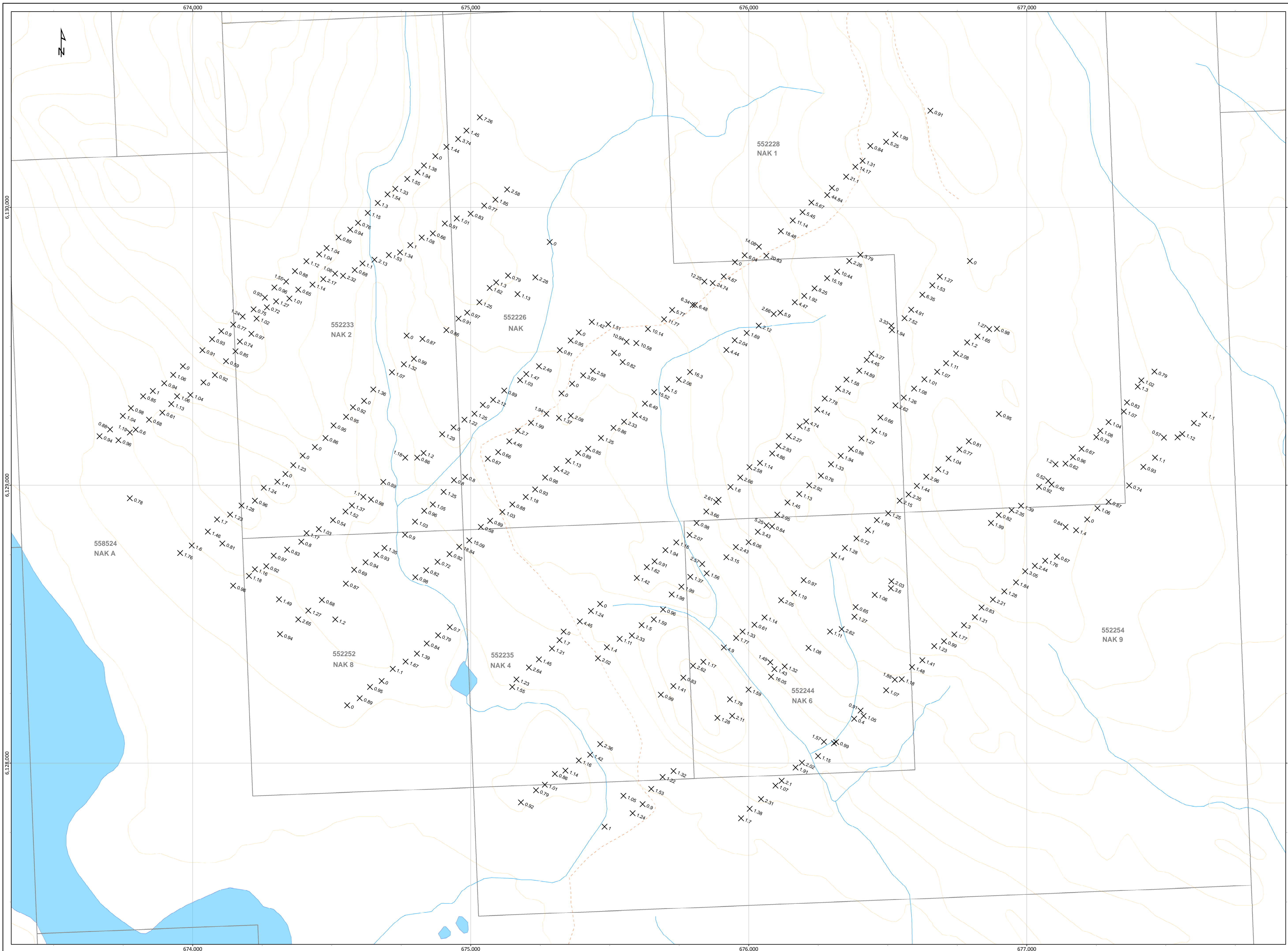
2010 Soil Sample Locations with Sample Numbers, 2010 Soil Sample Locations with Copper, Molydenum, Silver and Gold Values.



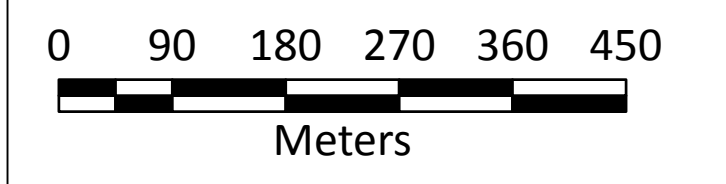
Babine
Soil Map 2011
Cu (ppm)



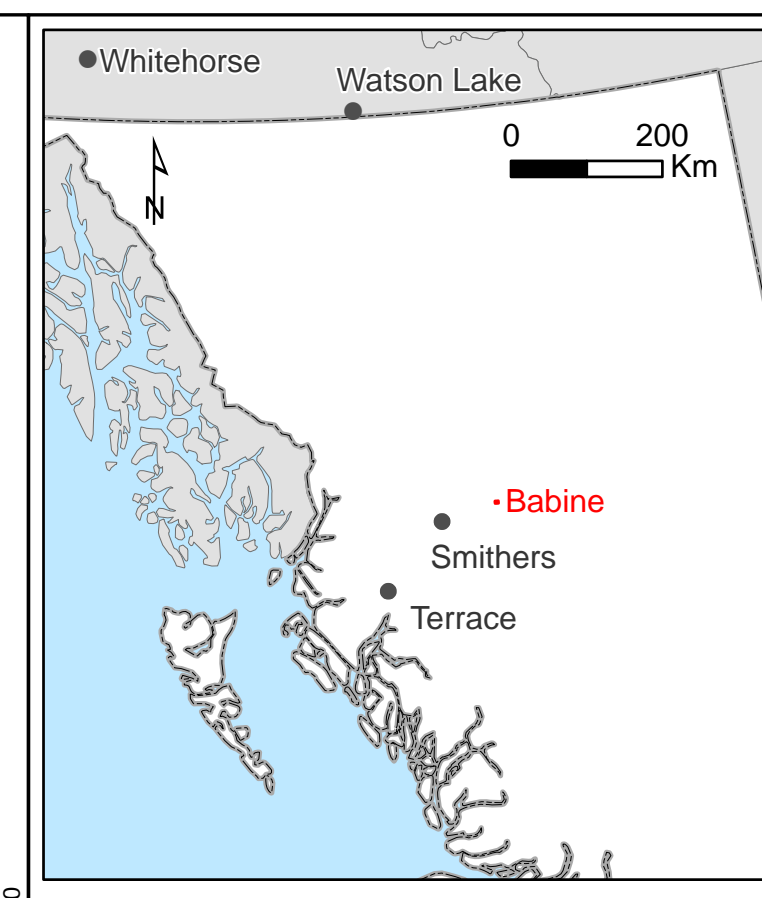
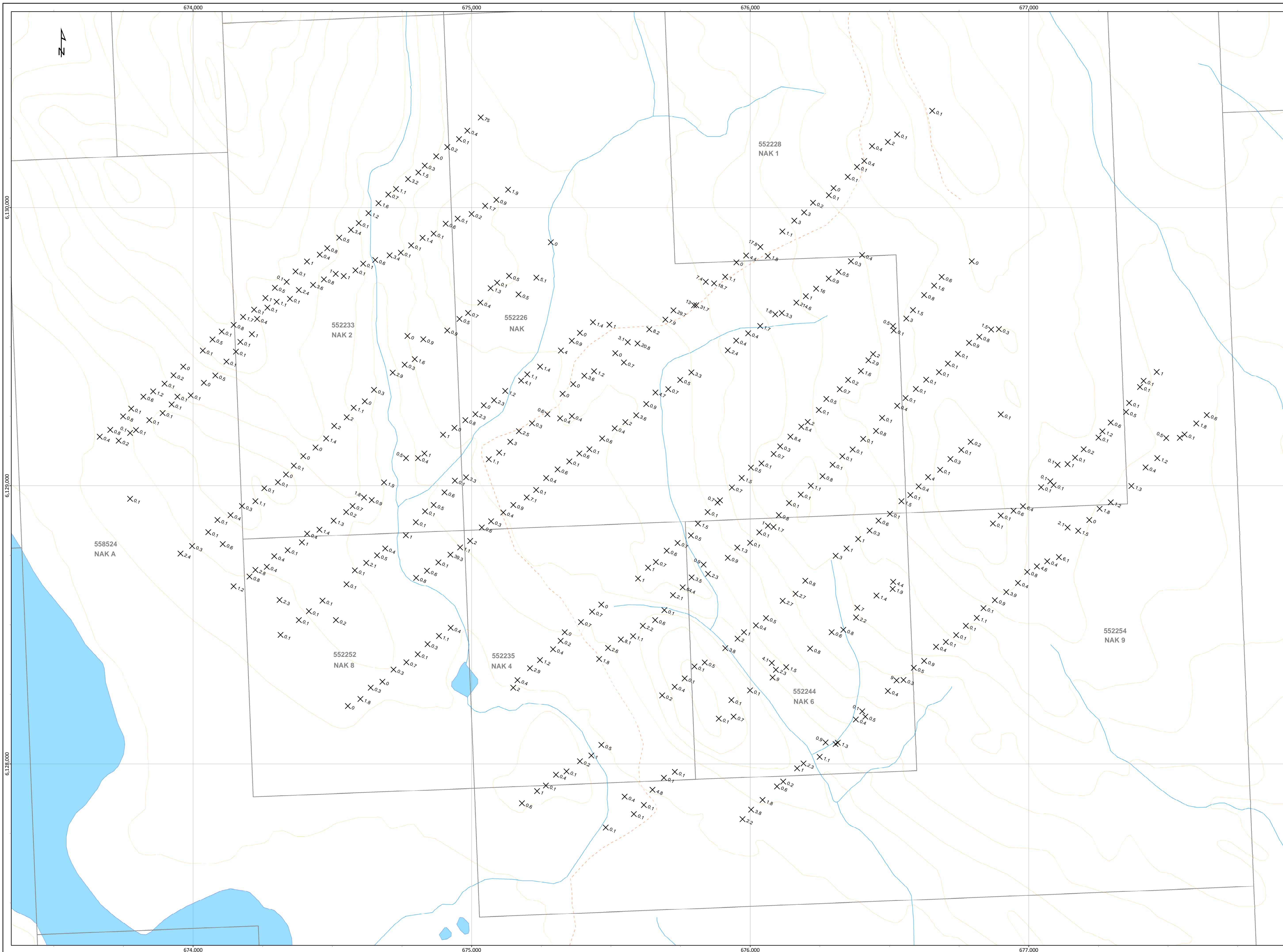
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Draw Date:	2011/06/09	Rev. Date:	--
Version:	1	Figure:	--
Author:	Redtail Metals	Office:	Vancouver
Location:	British Columbia		
Projection:	NAD 1983, UTM Zone 9N		
Filename:	BAB_20110706_24x36SoilsMap.mxd		



Babine
Soil Map 2011
Mo (ppm)



Scale:	1:6,000	Map ID:	--
Draw Date:	2011/06/09	Rev. Date:	--
Version:	1	Figure:	--
Author:	Redtail Metals	Office:	Vancouver
Location:	British Columbia		
Projection:	NAD 1983, UTM Zone 9N		
Filename:	BAB_20110706_24x36SoilsMap.mxd		

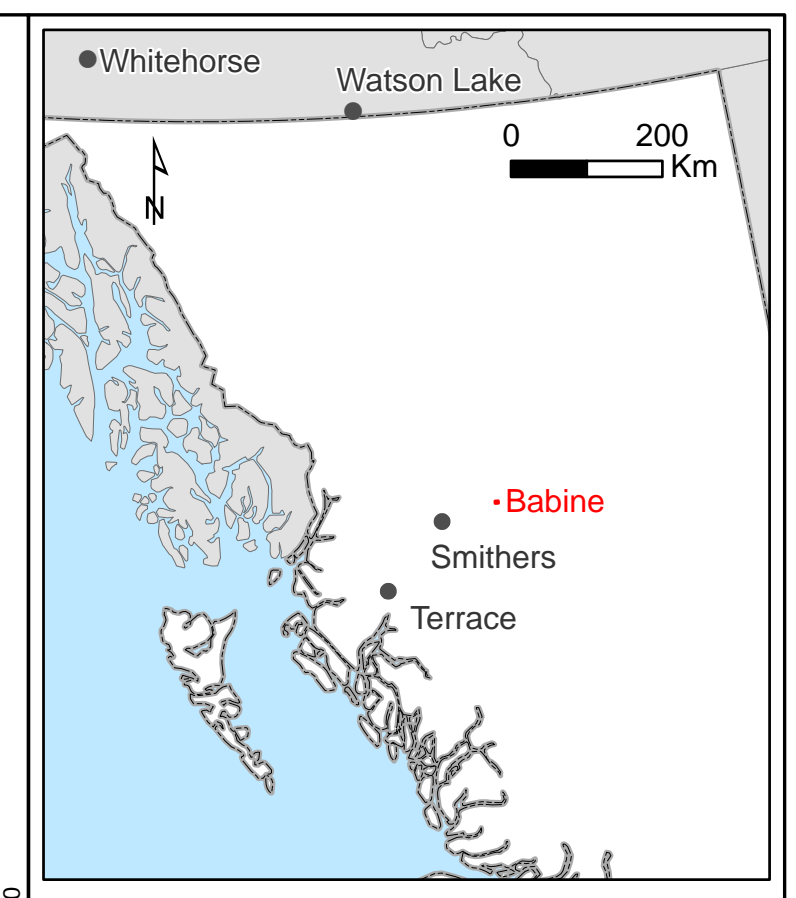
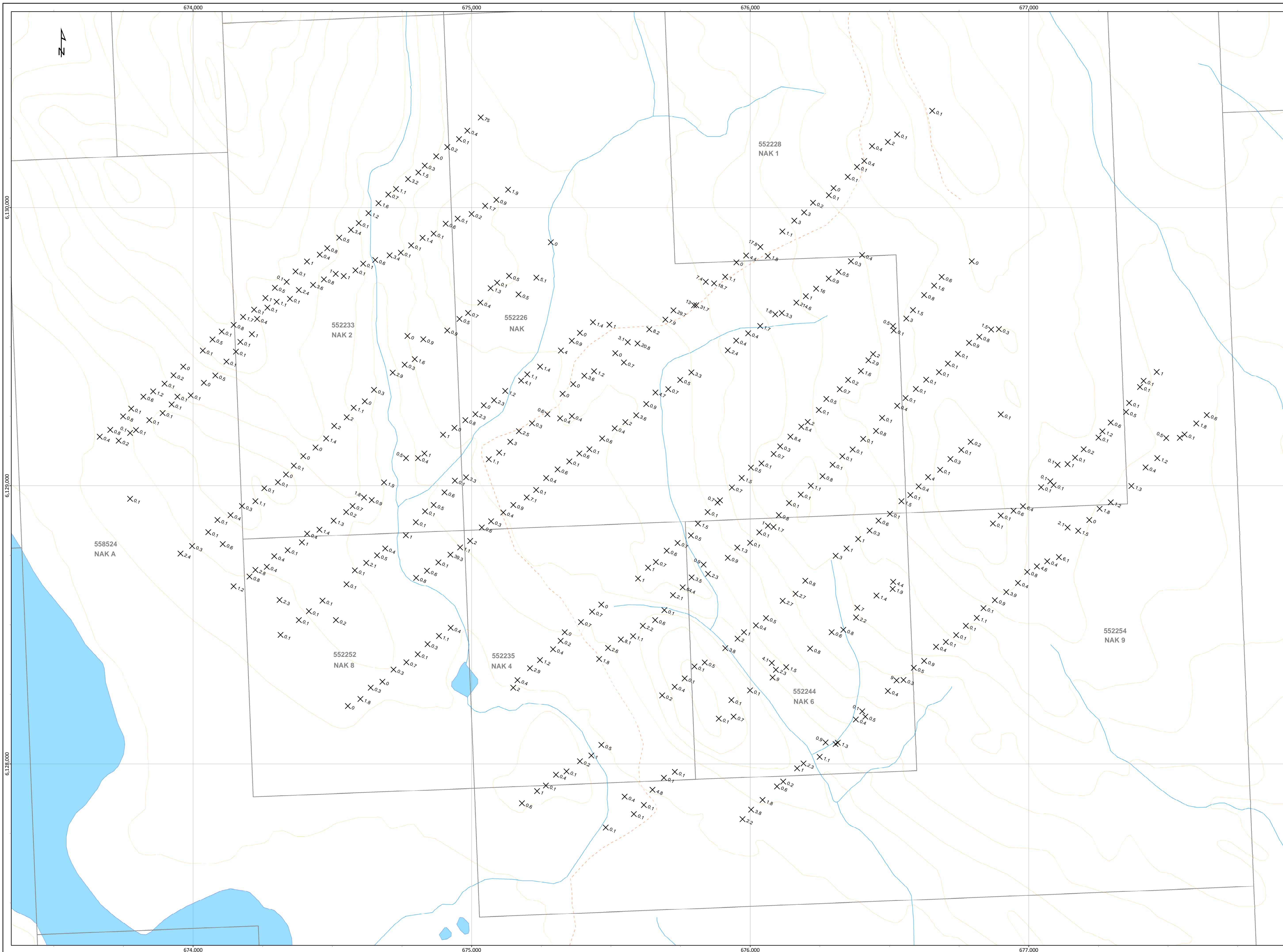


REDTAIL
METALS CORP.

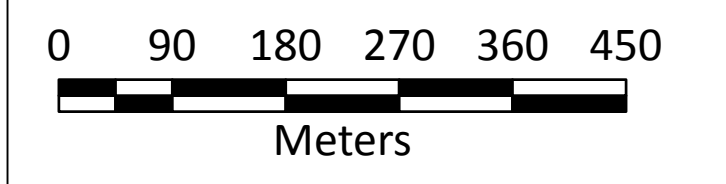
Babine
Soil Map 2011
Ag (ppb)

0 90 180 270 360 450
Meters

Scale:	1:6,000	Map ID:	--
Draw Date:	2011/06/09	Rev. Date:	--
Version:	1	Figure:	--
Author:	Redtail Metals	Office:	Vancouver
Location:	British Columbia		
Projection:	NAD 1983, UTM Zone 9N		
Filename:	BAB_20110706_24x36SoilsMap.mxd		



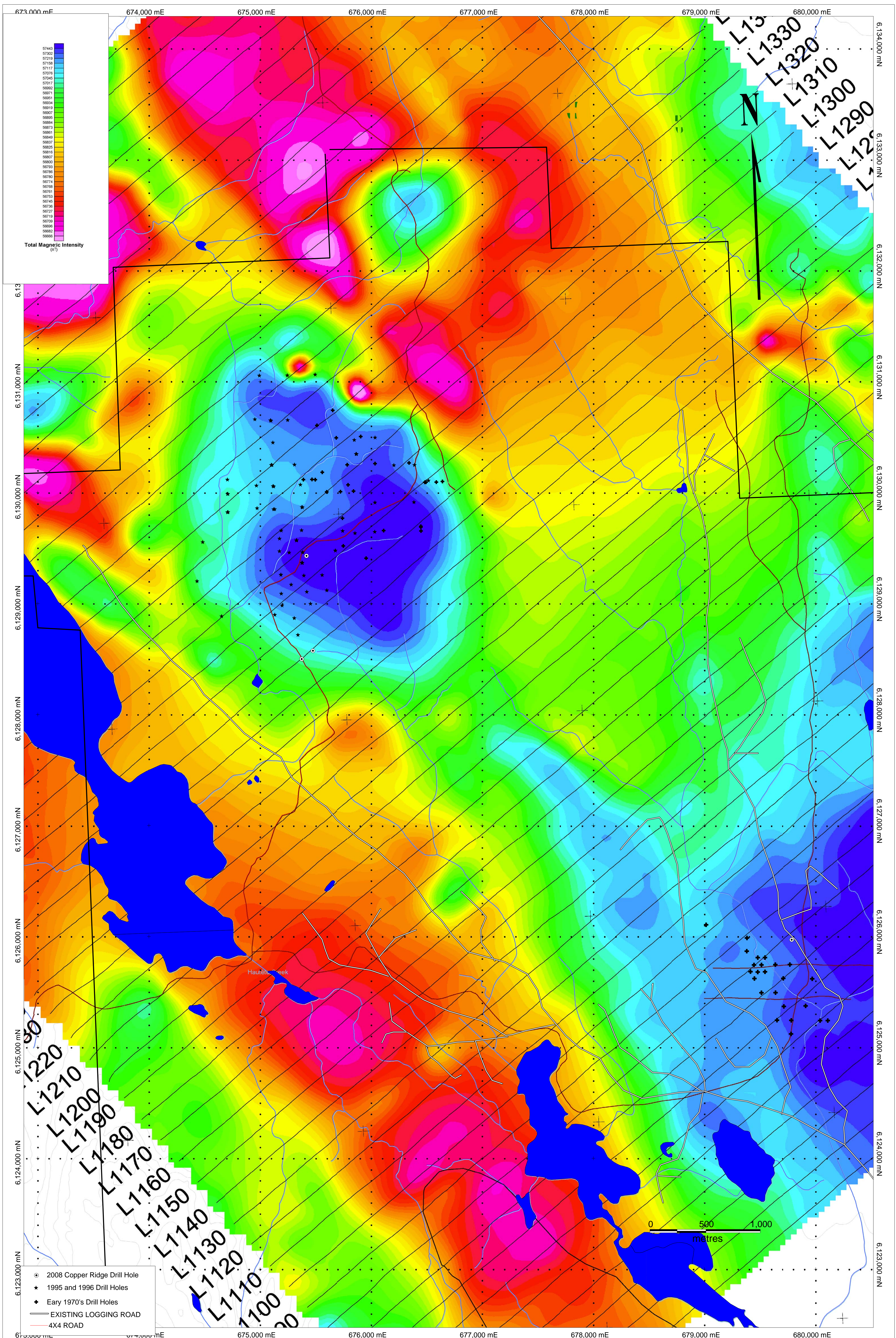
Babine
Soil Map 2011
Au (ppb)



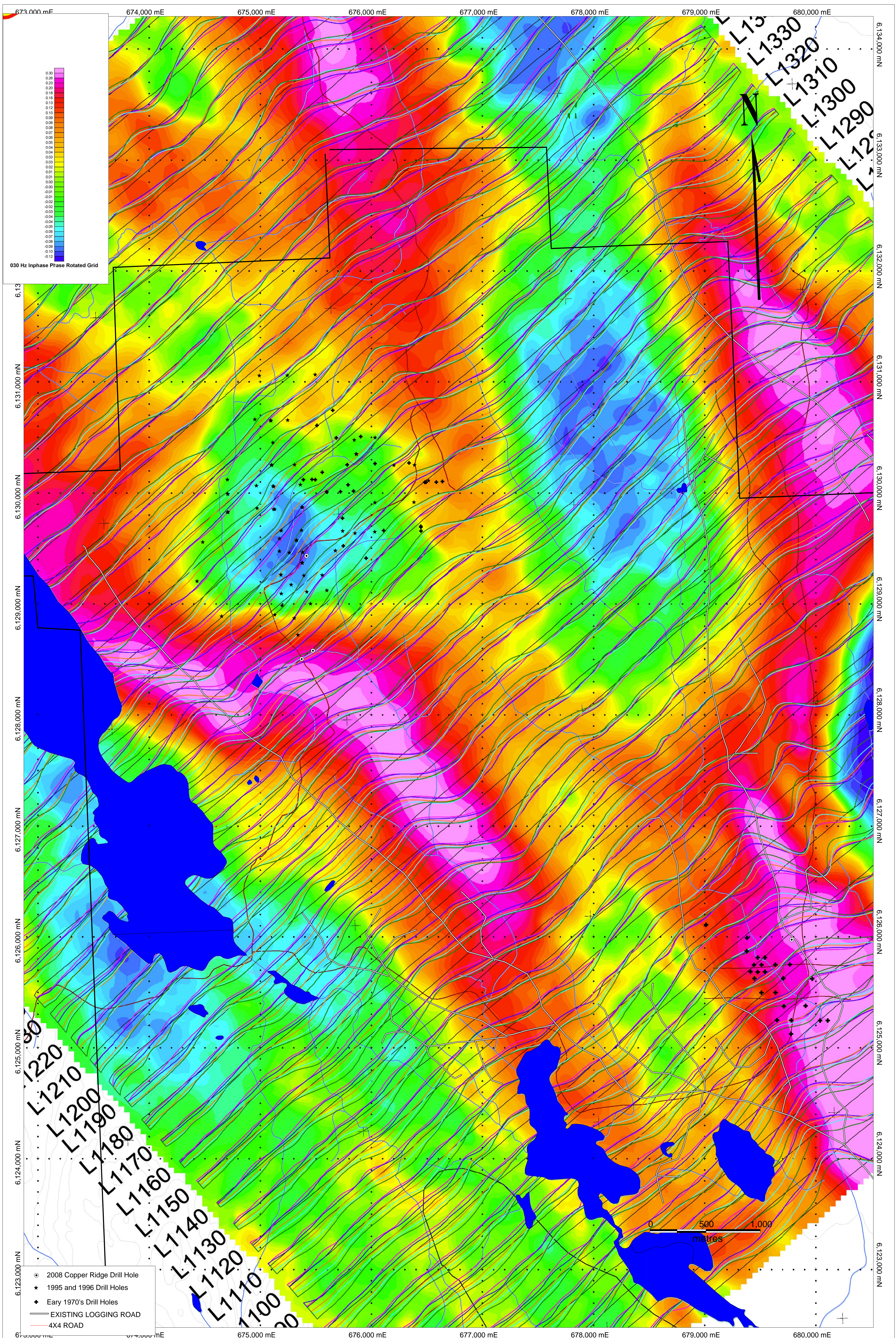
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Location:	British Columbia		
Projection:	NAD 1983, UTM Zone 9N		
Filename:	BAB_20110706_24x36SoilsMap.mxd		

Pocket 3

TMI with Drill Hole Locations and 30 Hz XIP PR with Drill Hole Locations.



Total Magnetic Intensity



30 Hz XIP PR