2009 SOIL GEOCHEMICAL ASSESSMENT REPORT

Comprising the Following Claims:

Alex 400, Alex 403 & Alex 404 claims

Located in the:
Keno Hill Area
Mayo Mining District
Yukon Territory, Canada
N.T.S. 105M/14

Latitude: 63° 57' N
Longitude: 135° 10' W

PREPARED FOR:

Alexco Keno Hill Mining Corp.
1150-200 Granville Street
Vancouver, B.C. V6C 1S4

and

PREPARED BY:

Richard Lippoth, MS, Geologist

Alexco Resource Corp.
1150-200 Granville St.
Vancouver, B.C. V6C 1S4

DATES WORK PERFORMED: Sept. 3, 2009 to Sept 11, 2009

DATE OF REPORT: Nov. 13, 2009

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1.0 SUMMARY

During September, 2009 thirty nine soil samples were collected within the claim boundaries of the Alex 400, 403 and 404 quartz claims. Four of the samples appear to contain anomalous concentrations of metals commonly associated with mineralization in the Keno Hill camp.

2.0 INTRODUCTION

This report summarizes soil sampling carried out as a follow-up to work performed in the 2008 season by Alexco Keno Hill Mining Corp. Work for assessment purposes was conducted between Sept. 3, 2009 and Sept. 11, 2009. Planning, supervision, implementation and reporting of this work were performed by Alexco Resource Corp. staff.

3.0 LOCATION AND ACCESS

The full and fractional quartz claims on which assessment work was conducted are held under the name of Alexco Keno Hill Mining Corp. These properties are located in the Keno Hill Silver Camp, Mayo Mining District (Figure 1) approximately 350 km north of Whitehorse. The area is covered by NTS map sheets 105M/14. The reference datum used is UTM NAD83 Zone 8, unless otherwise noted.

Access to the property can be had via the Silver Trail highway connecting the villages of Mayo and Keno City. The base of operations for Alexco is the abandoned company town of Elsa which contains camp and office facilities.

4.0 CLAIM STATUS

All full and fractional quartz mining claims covered by this report are active having been staked in 2006.

A complete list of claims pertaining to this assessment report, including all grouped claims with new expiry dates may be found in Appendix 1. Figure 2 is a claim location map. A cost statement and list of personnel related to the application of Certificates of Work are included as Appendices 2 and 3.

FIGURE 1, YUKON LOCATION MAP

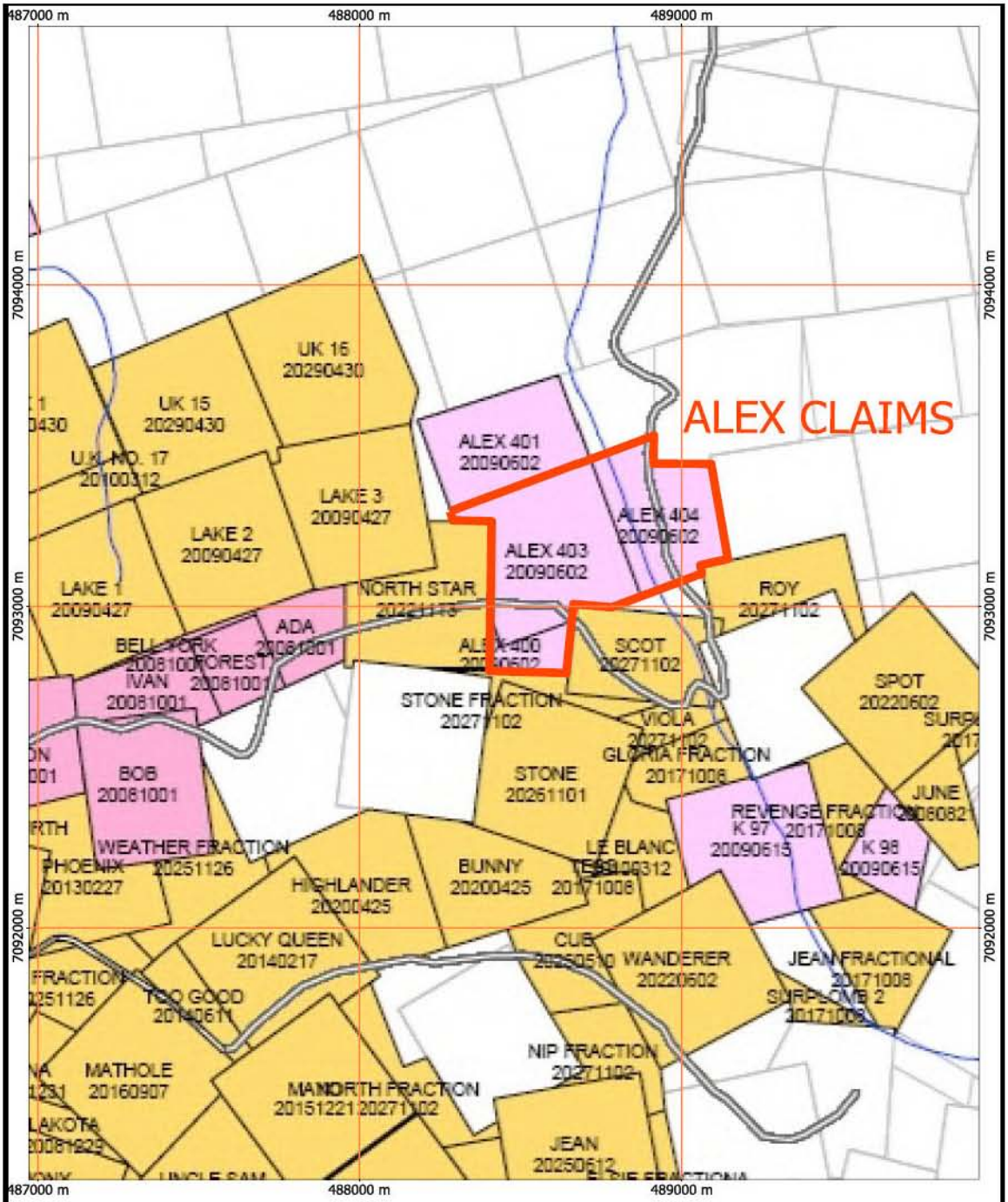


FIGURE 2
LOCATION MAP ALEX CLAIMS

SCALE 1:15,000

5.0 REGIONAL GEOLOGY

The property is situated within the western part of the Selwyn Basin in an area dominated by deformed and metamorphosed sediments accumulated at the edge of the Neoproterozoic to Paleozoic continental margin. During the Jurassic and Cretaceous, the area was subjected to compressional tectonic forces producing imbricate thrust sheets and widespread folding. In the mid-Cretaceous, renewed tectonism resulted in extensive brittle deformation and the emplacement of intrusive plutons.

Rocks thought to underlie the claim area include the Keno Hill Quartzite (Mississippian) host to most of the past producing ore bodies in the Keno Hill Camp. Structurally juxtaposed below the quartzite is the Lower Schist which has been correlated with the Devonian-Mississippian Earn Group. Overlying the quartzite in thrust contact is the Upper Schist (Hyland Group, pre-Cambrian to Cambrian).

6.0 PROPERTY GEOLOGY

A variety of mineral deposits occur near the claim areas, mainly localized by veins cutting interbanded quartzites and schists (Figure 3). In detail the structures controlling the distribution of mineralization form generally northeast trending zones that dip to the south. Intersecting structures are often important sites of mineral deposition where sufficiently brittle host rocks produce permeable fluid pathways.

7.0 2009 SOIL SAMPLING WORK PROGRAM

Soil samples were collected in lines across portions of the four claims/fractions covered by this report during the 2009 field season by geologists in the employ of Alexco Resource Corp.

All soil sample characteristics were recorded in the field and entered into standardized spreadsheets (Appendix 5). Samples were analyzed for 34 elements by the ICP method using a four acid digestion. Analyses were performed by Eco Tech Laboratory Ltd. in Kamloops, B.C. Laboratory certificates for the soil sampling can be found in Appendix 6.

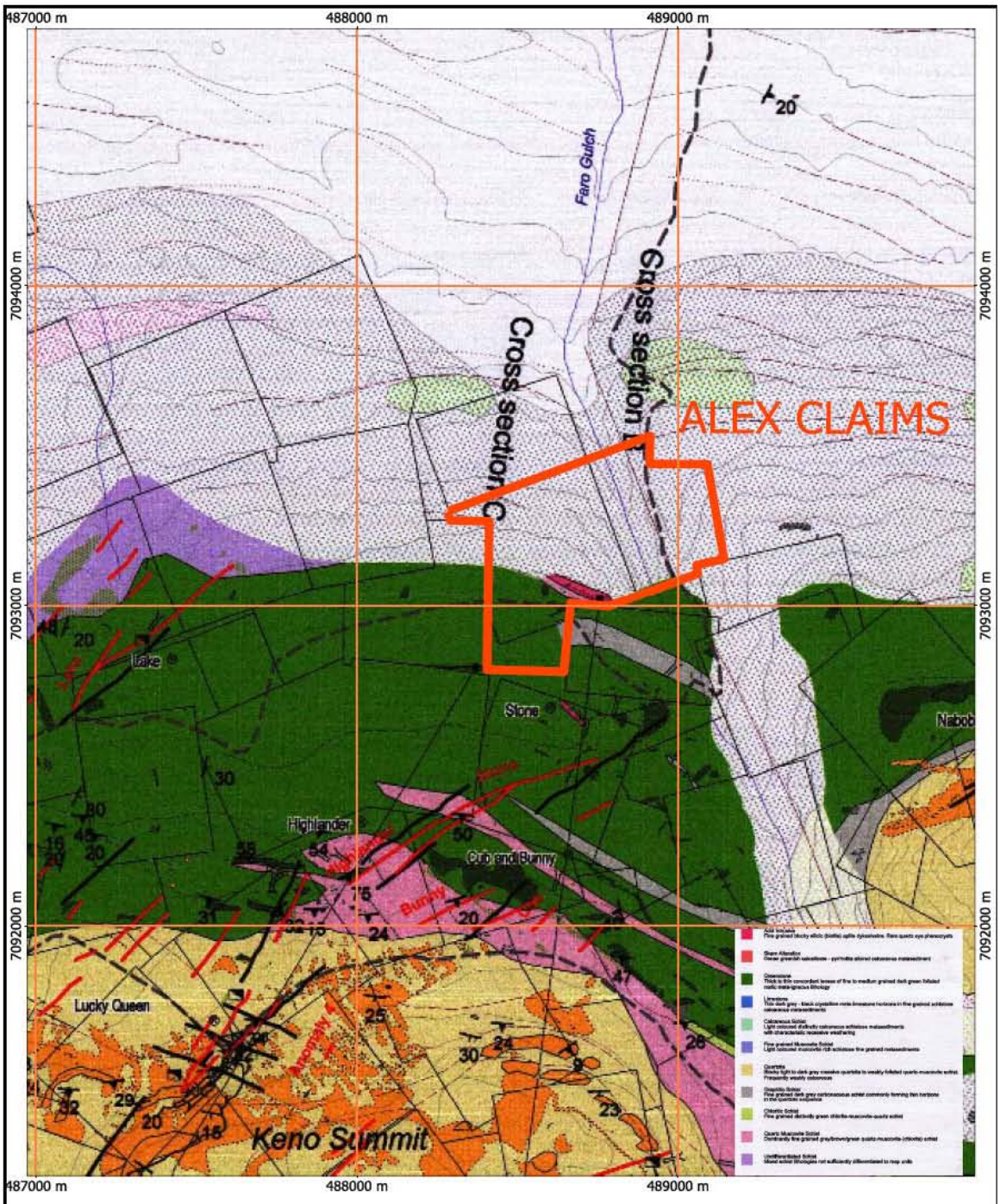


FIGURE 3
GEOLOGY MAP ALEX CLAIMS

SCALE 1:15,000

Soil Sampling Results

The small number of soil samples collected precludes any meaningful statistical analysis of the results, but given the long history of soil sampling in the Keno Hill district, beginning with the pioneering work of R. W. Boyle in the 1950's, background values for elements associated with mineralization are suggested as follows:

Ag…… 0.5ppm
Au……. 50ppb
Pb……...40ppm
Zn……...100ppm
Cu……35ppm
As……50ppm
Sb…….5ppm

Truly anomalous values for elements of interest can be roughly expected to exceed twice the background (R. W. Boyle, Geochemical Prospecting, 1971). If this is the case, discounting borderline results, four samples may be anomalous: 8698-3259, 8709-3209, 8661-3094 & 8649-3140. A sample map showing the location of these samples is presented as Figure 4.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Taken in combination with previous soil samples collected in the area, this season's work suggests there may be a concealed northeasterly striking mineralized structure crossing the claims. Detailed mapping and sampling along with possible surface trenching should be considered to follow-up this possibility in the future.

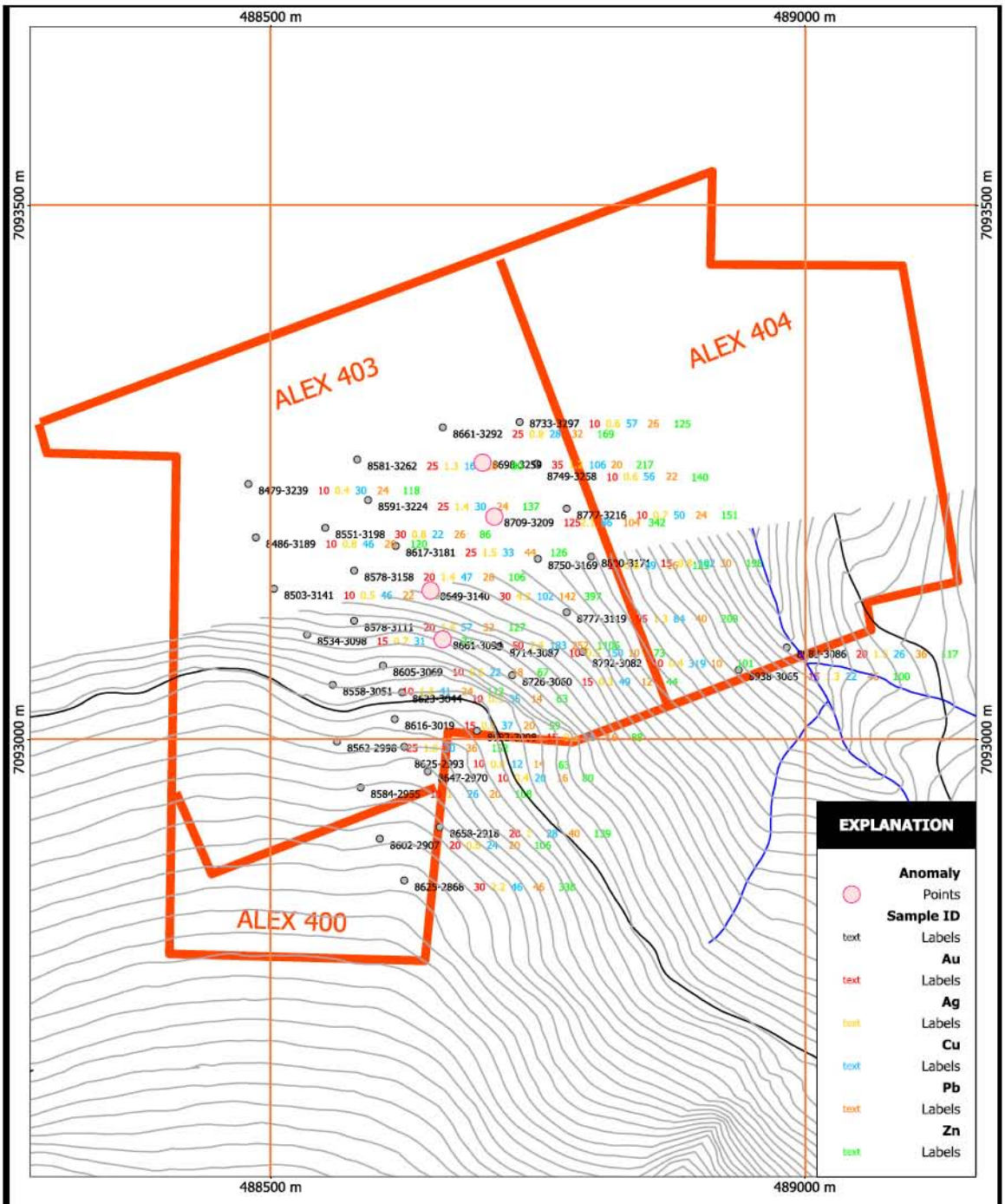


FIGURE 4
SOIL SAMPLE LOCATION MAP

SCALE 1:4,500

AREA ONLY PARTIALLY COVERED BY TOPOGRAPHIC MAPPING.

APPENDIX 1

LIST OF CLAIMS

LIST OF CLAIMS

Claim Name	Grant No.	Owner	Date Recorded	Current Expiration Date	Pending Expiry*
Alex 400	YC48507	Alexco Keno Hill Mining Corp.	2/06/2006	12/31/2012	12/31/2016
Alex 401	YC48508	Alexco Keno Hill Mining Corp.	2/06/2006	12/31/2012	12/31/2016
Alex 403	YC48509	Alexco Keno Hill Mining Corp.	2/06/2006	12/31/2012	12/31/2016
Alex 404	YC48510	Alexco Keno Hill Mining Corp.	2/06/2006	12/31/2012	12/31/2016

*Subject to government acceptance of this assessment report

APPENDIX 2

LIST OF PERSONNEL

LIST OF PERSONNEL

Personnel:

Richard Lippoth
3890 N. Nicklaus Drive
Coeur d'Alene, ID 83815

Kathleen Gould
5231 Kent Street, Apt. 51
Halifax, Nova Scotia B3H 1P3

Karen Anderson
2002 80 Point McKay Cres. NW
Calgary, Alberta T3B 4W4

APPENDIX 3

STATEMENT OF EXPENDITURES

COST STATEMENT - Alexco Keno Hill Mining Corp. August 2009 Assessment Filing

Grant No.	Claim	SOILS	GEO SAMPLER & R/B	FIELD PREP	FREIGHT/REPORT	EST. TOTAL
YC48507	Alex 400	$ 48.00	$ 343.50	$ 343.50	$ 339.60	$ 1,074.60
YC48509	Alex 403	$ 528.00	$ 1,030.50	$ 343.50	$ 339.60	$ 2,241.60
YC48510	Alex 404	$ 32.00	$ 343.50	$ 171.75	$ 169.80	$ 717.05
Totals To Date		$ 608.00	$ 1,717.50	$ 858.75	$ 849.00	$ 4,033.25

APPENDIX 4

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS
RICHARD LIPPOTH

I, Richard E. Lippoth of 3890 N. Nicklaus Drive, Coeur d'Alene, Idaho, USA,
DO HEREBY CERTIFY:

1 THAT, I am a senior geologist with Alexco Resource Corp., 1150-200 Granville Street, Vancouver, BC, V6E 1S4

2 THAT, I have practiced my profession with various mining companies in the Yukon, Idaho, Utah, Colorado, Montana, Nevada and Australia for 25 years.

3 THAT, I am graduate of the University of Utah holding an M.S. in Geology and in addition a B.S. in Mining Engineering from the Colorado School of Mines.

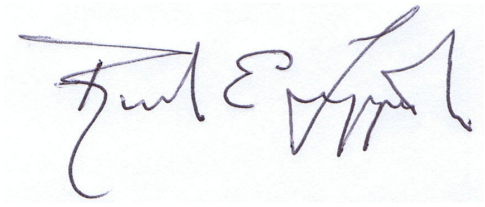
4 THAT, I am a member of the Society of Economic Geologists.

5 THAT, I am a member of the American Institute of Professional Geologists, and am a Certified Professional Geologist #11185.

6 THAT, this report is based on work which I personally participated in during the year 2009.

7 THAT, I have no interest in the property described herein, nor do I expect to receive any such interest.

DATED at Coeur d'Alene, Idaho, this 13th day of November, 2009.



Richard E. Lippoth

APPENDIX 5

SOIL SAMPLE DESCRIPTIONS

2009 Alex soil sample descriptions

SampleID	Claim	NAT_East	NAT_North	NAT_RL	Sampled_By	Date_Sampled	Slope_Face	Vegetation	Depth_cm	Soil_Horizon	Colour	Organics_Pct	Rock_Pct
8625-2868	Alex 400	488625	7092868	1262.51	KG and KA	9/11/2009	NE-mod	brush, spruce	15	B	grey/green	5	0
8602-2907	Alex 400	488602	7092907	1253.86	KG and KA	9/11/2009	NE-mod	brush, spruce	20	B	brown/grey	10	0
8658-2918	Alex 400	488658	7092918	1246.88	KG and KA	9/3/2009	NE-mod	scrub	25	B/C	brown/grey	5	20
8649-3140	Alex 408	488649	7093140	1163.32	KG and KA	9/11/2009	NE-flat	brush, spruce	25	A/B	dark brown	20	0
8777-3216	Alex 408	488777	7093216	1127.09	KG and KA	9/11/2009	NE-mod	brush, spruce	15	B/C	brown/grey	10	0
8749-3258	Alex 408	488749	7093258	1120.22	KG and KA	9/11/2009	NE-mod	brush, spruce	30	B/C	grey	5	0
8733-3297	Alex 408	488733	7093297	1110.96	KG and KA	9/11/2009	NE-mod	brush, spruce	25	B	grey	5	0
8800-3171	Alex 408	488800	7093171	1131.44	KG and KA	9/11/2009	NE-mod	brush, spruce	20	B/C	brown/grey	10	0
8661-3094	Alex 408	488661	7093094	1185.63	KG and KA	9/11/2009	NE-flat	brush, spruce	20	B/C	dark brown	0	40
8693-3008	Alex 408	488693	7093008	1217.81	KG and KA	9/11/2009	NE-mod	brush, spruce	15	B/C	grey	0	60
8617-3181	Alex 408	488617	7093181	1151.31	KG and KA	9/11/2009	NE-mod	alders, brush, spruce	20	B/C	brown/grey	0	10
8534-3098	Alex 408	488534	7093098	1192.71	KG and KA	9/11/2009	NE-steep	brush, spruce	25	A/B	dark brown	0	0
8591-3224	Alex 408	488591	7093224	1140.17	KG and KA	9/11/2009	NE-mod	brush, spruce	20	A/B	dark brown	50	0
8584-2955	Alex 408	488584	7092955	1240.15	KG and KA	9/11/2009	NE-mod	brush, spruce	20	B	grey/green	5	0
8581-3262	Alex 408	488581	7093262	1128.86	KG and KA	9/11/2009	NE-mod	alders, brush, spruce	20	A/B/C	brown/grey	20	20
8562-2998	Alex 408	488562	7092998	1228.19	KG and KA	9/11/2009	NE-mod	brush, spruce	15	B	brown/grey	5	0
8558-3051	Alex 408	488558	7093051	1208.32	KG and KA	9/11/2009	NE-mod	alders, brush, spruce	30	B/C	brown/grey	5	0
8479-3239	Alex 408	488479	7093239	1144.33	KG and KA	9/11/2009	NE-mod	brush, spruce	15	B/C	brown/grey	10	10
8486-3189	Alex 408	488486	7093189	1160.05	KG and KA	9/11/2009	NE-mod	brush, spruce	15	A/B	brown/grey	10	0
8503-3141	Alex 408	488503	7093141	1173.14	KG and KA	9/11/2009	NE-steep	brush, spruce	15	A/B	dark brown	10	0
8647-2970	Alex 408	488647	7092970	1233.13	KG and KA	9/3/2009	NE-mod	scrub	15	B/C	brown/grey	5	20
8625-2993	Alex 408	488625	7092993	1228.88	KG and KA	9/3/2009	NE-mod	alders, brush, spruce	20	B/C	green/grey	2	10
8623-3044	Alex 408	488623	7093044	1213.22	KG and KA	9/3/2009	NE-mod	alders, birch and spruce	25	B	brown/grey	2	10
8605-3069	Alex 408	488605	7093069	1204.65	KG and KA	9/3/2009	NE-mod	alders, birch and spruce	25	B/C	dark grey	5	10
8661-3292	Alex 408	488661	7093292	1115.66	KG and KA	9/3/2009	NW-mod	brush, spruce	20	B	brown/grey	5	0
8616-3019	Alex 408	488616	7093019	1222.99	KG and KA	9/3/2009	NE-mod	alders, brush, spruce	30	B/C	green/grey	2	10
8698-3259	Alex 408	488698	7093259	1124.57	KG and KA	9/3/2009	NW-mod	brush, spruce	25	A/B	dark brown	5	0
8578-3158	Alex 408	488578	7093158	1164.64	KG and KA	9/3/2009	NE-mod	birch and spruce	20	A/B	brown/grey	50	0
8578-3111	Alex 408	488578	7093111	1181.25	KG and KA	9/3/2009	NE-mod	birch and spruce	25	A/B	brown	10	20
8551-3198	Alex 408	488551	7093198	1152.15	KG and KA	9/3/2009	NE-mod	birch and spruce	30	B/C	brown/grey	10	20
8714-3087	Alex 408	488714	7093087	1179.72	KG and KA	9/3/2009	NW-mod	brush, spruce	10	B/C	brown/grey	2	40
8777-3119	Alex 408	488777	7093119	1153.91	KG and KA	9/3/2009	NW-mod	brush, spruce	25	B/C	brown/grey	5	20
8750-3169	Alex 408	488750	7093169	1144.8	KG and KA	9/3/2009	NW-mod	brush, spruce	25	B	brown/grey	5	20

APPENDIX 6

SOIL SAMPLE ANALYSES

15-Oct-09

Stewart Group
ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4
www.stewartgroupglobal.com

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2009- 0549

Alexco Resource Corp
PO Box 7, Site #2
Elsa, YT
Y0B 1J0

No. of samples received: 56
Sample Type: Soils
Project: Keno Hill Project
Shipment #: 2 Soil

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8551-3198	30	0.8	0.63	20	65	<5	0.96	1	5	15	22	1.65	<10	0.37	108	2	0.01	18	1110	26	<5	<20	21	<0.01	<10	16	<10	5	86
2	8578-3158	20	1.4	0.61	15	95	<5	2.47	2	9	15	47	1.91	<10	0.44	544	2	0.01	27	1160	28	<5	<20	48	<0.01	<10	15	<10	6	106
3	8578-3111	20	1.4	0.66	15	115	<5	2.08	2	10	16	57	2.20	<10	0.43	526	2	0.01	30	1080	32	<5	<20	39	<0.01	<10	16	<10	7	127
4	8605-3069	10	0.6	0.87	10	120	<5	0.74	1	9	20	22	2.07	<10	0.53	343	2	0.01	20	1100	18	<5	<20	20	<0.01	<10	20	<10	5	67
5	8623-3044	10	0.5	0.89	10	115	<5	0.69	1	11	24	35	2.08	10	0.66	377	2	0.01	22	1100	14	<5	<20	19	0.02	<10	24	<10	5	63
6	8647-2970	10	0.4	0.84	10	65	<5	0.46	1	10	18	20	2.57	10	0.53	316	3	0.01	27	1060	16	<5	<20	12	<0.01	<10	14	<10	5	80
7	8625-2993	10	0.8	1.45	5	30	<5	0.80	<1	6	39	12	1.65	<10	2.27	244	1	<0.01	16	1620	14	<5	<20	14	0.06	<10	29	<10	5	63
8	8616-3019	15	0.6	0.90	15	125	<5	0.77	1	10	24	37	2.17	10	0.63	280	3	0.01	19	1000	20	<5	<20	24	0.01	<10	23	<10	4	59
9	8714-3087	10	0.5	1.09	10	145	<5	0.73	1	14	28	150	2.70	<10	1.07	280	2	0.01	30	1310	10	<5	<20	21	0.04	<10	41	<10	6	73
10	8726-3060	15	0.3	0.77	5	120	<5	0.27	1	6	20	49	2.24	10	0.49	107	3	0.01	15	800	12	<5	<20	12	0.02	<10	19	<10	4	44
11	8661-3292	25	0.8	0.70	45	140	<5	0.53	2	9	17	28	2.06	<10	0.32	403	4	0.01	23	890	32	<5	<20	17	<0.01	<10	21	<10	4	169
12	8698-3259	35	1.2	0.62	20	345	<5	2.27	3	8	14	106	1.69	<10	0.29	688	3	0.01	43	1080	20	<5	<20	58	<0.01	<10	15	<10	8	217
13	8709-3209	125	2.1	0.68	155	140	<5	0.50	4	10	16	86	2.90	<10	0.29	140	8	0.01	34	1200	104	5	<20	15	<0.01	<10	19	<10	8	342
14	8750-3169	15	0.6	0.72	25	130	<5	0.46	1	8	21	39	2.19	<10	0.36	472	4	0.01	23	850	16	<5	<20	15	0.02	<10	24	<10	4	123
15	8777-3119	95	1.3	0.74	45	150	<5	0.65	2	8	19	84	2.08	<10	0.40	348	4	0.01	26	960	40	<5	<20	22	0.02	<10	23	<10	6	208
16	8792-3082	10	0.4	1.18	10	205	<5	0.55	2	15	30	319	3.13	10	0.75	503	2	0.01	26	1130	10	<5	<20	17	0.02	<10	33	<10	7	101
17	8693-3008	15	<0.2	1.00	20	55	<5	0.39	2	15	23	56	3.54	20	0.66	472	5	0.01	39	1490	16	<5	<20	10	0.01	<10	20	<10	7	88
18	8661-3094	50	7.4	0.42	180	80	<5	2.44	12	17	8	183	2.74	<10	0.31	728	2	0.01	26	990	252	5	<20	44	<0.01	<10	15	<10	6	1106
19	8649-3140	30	4.2	0.53	165	155	<5	2.17	6	14	12	102	2.53	<10	0.33	1109	4	0.01	53	1140	142	<5	<20	51	<0.01	<10	12	<10	9	397
20	8617-3181	25	1.5	0.79	35	125	<5	1.07	2	11	20	33	2.40	<10	0.44	772	4	0.01	23	1020	44	<5	<20	25	<0.01	<10	20	<10	6	126
21	8591-3224	25	1.4	0.60	15	85	<5	2.12	2	8	15	30	1.91	<10	0.41	377	1	0.01	22	1100	24	<5	<20	44	<0.01	<10	15	<10	5	137
22	8581-3262	25	1.3	0.54	20	70	<5	0.46	1	5	14	16	1.83	<10	0.26	168	2	<0.01	16	520	18	<5	<20	13	<0.01	<10	16	<10	4	80
23	8479-3239	10	0.4	0.83	35	140	<5	0.39	2	7	20	30	3.57	<10	0.31	127	7	0.01	18	880	24	<5	<20	13	<0.01	<10	28	<10	4	118
24	8486-3189	10	0.8	0.71	40	145	<5	0.85	2	12	18	46	2.36	<10	0.32	688	3	0.01	19	920	26	<5	<20	23	<0.01	<10	24	<10	5	120
25	8503-3141	10	0.5	0.67	25	150	<5	1.24	1	10	18	46	2.06	<10	0.34	997	2	0.01	16	840	22	<5	<20	30	<0.01	<10	25	<10	4	86

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2009- 0549** **Alexco Resource Corp**

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	8534-3098	15	0.7	0.48	10	125	<5	2.57	1	9	12	31	1.51	<10	0.31	843	1	<0.01	18	840	16	<5	<20	52	<0.01	<10	13	<10	5	72
27	8558-3051	10	1.3	0.74	15	70	<5	1.48	1	10	22	41	2.37	<10	0.47	432	2	0.01	26	1200	24	<5	<20	31	<0.01	<10	20	<10	7	112
28	8562-2998	25	1.8	0.71	15	65	<5	1.04	1	10	19	30	2.48	<10	0.41	424	2	0.01	28	1000	36	<5	<20	24	<0.01	<10	19	<10	6	152
29	8584-2955	10	1.0	0.96	15	110	<5	0.60	1	11	21	26	2.63	10	0.42	317	4	0.01	28	1360	20	<5	<20	16	<0.01	<10	20	<10	7	108
30	8733-3297	10	0.6	0.82	15	240	<5	0.83	2	10	24	57	2.24	<10	0.40	325	3	0.01	31	890	26	<5	<20	22	0.02	<10	27	<10	5	125
31	8749-3258	10	0.6	0.78	25	215	<5	0.62	2	8	23	56	2.35	<10	0.40	296	3	0.01	32	780	22	<5	<20	19	0.02	<10	27	<10	5	140
32	8777-3216	10	0.7	0.86	35	150	<5	0.34	1	11	25	50	2.50	<10	0.40	434	3	0.01	26	880	24	<5	<20	12	0.01	<10	28	<10	5	151
33	8800-3171	15	0.8	0.87	35	200	<5	0.36	2	12	25	102	2.77	10	0.45	279	5	0.01	43	1020	30	<5	<20	15	0.02	<10	30	<10	8	198
34	8602-2907	20	0.6	0.74	15	105	<5	0.97	1	11	16	24	2.74	<10	0.34	826	4	0.01	26	1490	20	<5	<20	22	<0.01	<10	16	<10	7	106
35	8625-2868	30	2.2	0.70	40	105	<5	0.67	5	15	14	46	3.89	<10	0.28	748	7	0.01	35	1600	46	<5	<20	17	<0.01	<10	15	<10	9	338
36	8658-2918	20	1.0	0.75	20	60	<5	0.74	2	12	16	28	2.83	<10	0.41	472	5	0.01	31	1630	40	<5	<20	16	<0.01	<10	13	<10	8	139
37	8755-2975	15	0.6	0.80	5	105	<5	0.77	<1	5	18	15	1.73	10	0.63	178	2	0.01	11	1060	14	<5	<20	28	<0.01	<10	15	<10	3	50
38	8700-2907	10	0.5	0.49	25	50	<5	0.81	1	14	10	26	3.38	<10	0.20	437	5	0.01	32	2010	16	<5	<20	17	<0.01	<10	9	<10	10	99
39	8672-2869	10	0.6	0.52	25	65	<5	1.07	1	11	10	23	3.09	<10	0.22	457	5	0.01	22	1580	14	<5	<20	22	<0.01	<10	9	<10	9	88
40	8694-2826	1050	0.7	0.74	35	145	<5	0.88	2	20	16	23	4.42	<10	0.28	796	6	0.01	23	1350	26	<5	<20	23	<0.01	<10	19	<10	8	82
41	8700-2848	10	0.8	0.50	30	85	<5	1.29	1	14	9	34	3.14	<10	0.19	639	3	0.01	36	1560	16	<5	<20	29	<0.01	<10	10	<10	10	97
42	8781-2878	20	0.5	0.34	30	60	<5	1.24	1	13	6	23	3.18	<10	0.13	580	4	0.01	24	1690	16	<5	<20	25	<0.01	<10	6	<10	8	58
43	8819-2914	25	0.6	0.52	20	20	<5	0.40	1	13	11	24	3.20	10	0.35	312	5	0.01	34	1260	14	<5	<20	9	<0.01	<10	5	<10	7	89
44	8857-2950	20	2.5	0.78	45	35	<5	0.69	2	13	21	23	3.11	<10	0.54	512	4	0.01	29	1460	88	<5	<20	16	<0.01	<10	16	<10	5	262
45	8893-2986	20	3.2	0.77	35	75	<5	0.84	2	12	20	26	2.73	<10	0.48	699	3	0.01	23	1200	90	<5	<20	18	<0.01	<10	17	<10	6	214
46	8799-2993	15	0.4	0.76	5	65	<5	0.59	<1	10	17	21	2.24	10	0.50	373	3	<0.01	17	1180	12	<5	<20	16	<0.01	<10	13	<10	6	51
47	8744-2975	20	0.3	0.85	10	100	<5	0.45	<1	6	21	10	1.93	10	0.81	128	4	<0.01	14	1200	12	<5	<20	20	<0.01	<10	18	<10	3	50
48	8687-2947	10	0.4	0.69	10	60	<5	0.65	<1	9	14	18	2.14	10	0.38	233	3	<0.01	18	1370	18	<5	<20	15	<0.01	<10	12	<10	5	66
49	8715-2956	10	0.5	0.81	15	70	<5	0.74	1	11	17	11	2.69	10	0.60	923	5	0.01	16	1630	18	<5	<20	17	<0.01	<10	13	<10	5	76
50	8983-3086	20	1.3	0.75	15	160	<5	0.57	2	11	20	26	1.94	<10	0.39	1144	2	0.01	21	830	36	<5	<20	16	<0.01	<10	25	<10	4	117
51	8938-3065	15	1.3	0.65	20	105	<5	1.27	2	13	15	22	2.05	<10	0.43	1206	3	0.01	19	1130	46	<5	<20	29	<0.01	<10	13	<10	5	100
52	8939-3011	20	1.4	0.43	30	55	<5	0.61	2	11	10	25	2.76	<10	0.22	612	4	0.01	29	1580	48	<5	<20	14	<0.01	<10	10	<10	7	125
53	8980-3034	10	5.1	0.57	40	110	<5	0.87	2	13	14	31	2.99	<10	0.30	1301	4	0.01	35	1360	38	5	<20	19	<0.01	<10	16	<10	6	181
54	9002-3051	20	2.3	0.65	25	95	<5	1.23	1	9	16	33	2.00	<10	0.40	417	2	0.01	25	940	30	<5	<20	25	<0.01	<10	17	<10	5	152
55	8886-3033	10	0.8	0.67	20	85	<5	0.83	<1	9	15	12	1.74	<10	0.53	484	2	<0.01	14	1110	34	<5	<20	24	<0.01	<10	12	<10	4	72
56	8851-3021	15	0.9	0.74	40	135	<5	0.54	2	8	19	29	1.82	10	0.52	329	2	0.01	15	1020	44	<5	<20	24	<0.01	<10	17	<10	5	173
QC DATA:																														
Repeat:																														
1	8551-3198	20	0.9	0.62	20	65	<5	0.97	1	5	15	23	1.69	<10	0.36	111	2	0.01	17	1050	26	<5	<20	21	<0.01	<10	15	<10	5	84
10	8726-3060	25	0.3	0.73	5	120	<5	0.26	1	6	19	49	2.19	<10	0.49	103	3	0.01	15	820	10	<5	<20	13	0.01	<10	18	<10	4	45
19	8649-3140	20	4.3	0.51	160	150	<5	2.09	6	13	13	99	2.54	<10	0.32	1107	4	0.01	50	1110	134	<5	<20	50	<0.01	<10	12	<10	9	395
28	8562-2998	25	2.0	0.68	15	65	<5	1.04	1	10	18	27	2.41	<10	0.43	417	3	0.01	28	1050	38	<5	<20	24	<0.01	<10	19	<10	6	154
36	8658-2918	20	1.0	0.74	15	60	<5	0.73	2	12	16	27	2.80	10	0.40	483	5	0.01	30	1580	40	<5	<20	16	<0.01	<10	13	<10	8	138
40	8694-2826	1125																												
45	8893-2986	20	3.2	0.75	35	75	<5	0.84	2	12	19	26	2.64	<10	0.48	686	3	0.01	23	1220	92	<5	<20	18	<0.01	<10	17	<10	6	214
54	9002-3051	25																												

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2009- 0549** **Alexco Resource Corp**

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Standard:																														
Till-3			1.6	1.07	85	35	<5	0.48	<1	13	61	21	1.93	10	0.57	308	1	0.02	27	430	18	<5	<20	13	0.04	<10	37	<10	5	38
Till-3			1.4	1.08	85	35	<5	0.48	<1	13	59	21	1.98	10	0.55	312	1	0.02	28	430	18	<5	<20	14	0.04	<10	37	<10	4	38
SF30		820																												
SF30		835																												

ICP: Aqua Regia Digest / ICP- AES Finish.
Ag : Aqua Regia Digest / AA Finish.
Au: 30g Fire Assay/ AA Finish.

NM/nw
df/1_549S
XLS/09

ECO TECH LABORATORY LTD.
Norman Monteith
B.C. Certified Assayer