2012 ASSESSMENT REPORT

Property Comprising the Following Claims:

K 103 – K 107 Claims

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

Latitude: 63.92° N
Longitude: 135.21° W

PREPARED FOR:

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

and

PREPARED BY:

Al McOnie

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

DATES WORK PERFORMED: August 19, 2012

DATE OF REPORT: February 21, 2013

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1.0 SUMMARY

During August 2012, twenty soil samples were collected within the contiguous claim boundaries of the K 103 – K 107 quartz claims.

Some of the samples contain anomalous concentrations of metals commonly associated with the silver-lead-zinc mineralization found in the Keno Hill mining district.

2.0 INTRODUCTION

This report summarizes soil sampling carried out for assessment purposes for Alexco Keno Hill Mining Corp on 19 August 2012 over the K 103 – K 107 claims. Planning, supervision, implementation and reporting of this work were performed by Alexco Resource Corp. staff.

The soil sampling program was completed over the northern part of the area to cover the upland part that is underlain by the mineral hosting Keno Hill Quartzite Formation.

3.0 LOCATION AND ACCESS

The quartz claims on which assessment work was conducted are held under the name of Alexco Keno Hill Mining Corp. 100%. The property is located in the Keno Hill district, Mayo Mining District approximately 350 km north of Whitehorse (Figure 1). The area is covered by NTS map sheet 105M/14. The reference datum used is UTM NAD83 Zone 8, unless otherwise noted.

Access to the district is via the Silver Trail Highway connecting the villages of Mayo and Keno City, with the property accessible by the private mining road that extends up Lightning Creek. The base of operations for Alexco is the abandoned company town of Elsa which contains camp and office facilities.

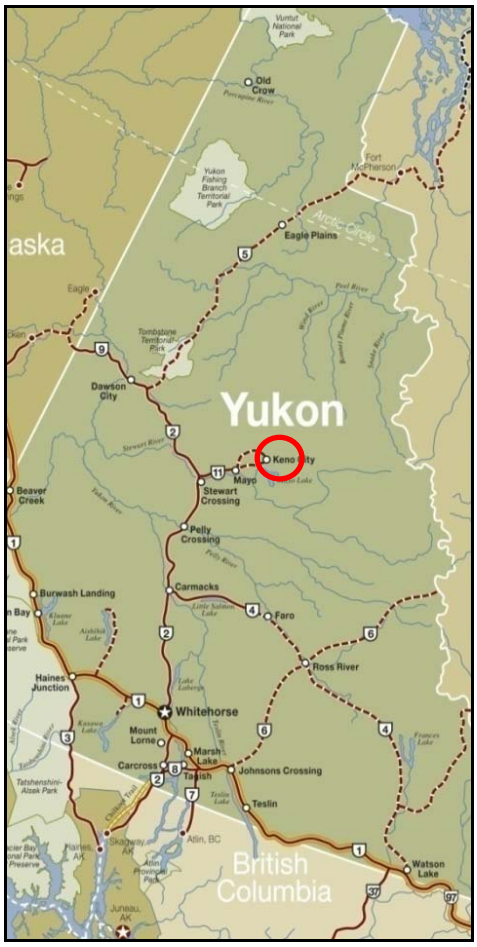

Figure 1 General Location of the Claim Block

4.0 CLAIM STATUS

The quartz mining claims covered by this report are active having been originally staked in 2007, and prior to the current work had an expiry date in December 2012.

A complete list of claims pertaining to this assessment report, including all grouped claims is included in Appendix 1. The location of the quartz claims is shown in Figure 2. A list of personnel and cost statement related to the application of Certificates of Work are included as Appendices 2 and 3

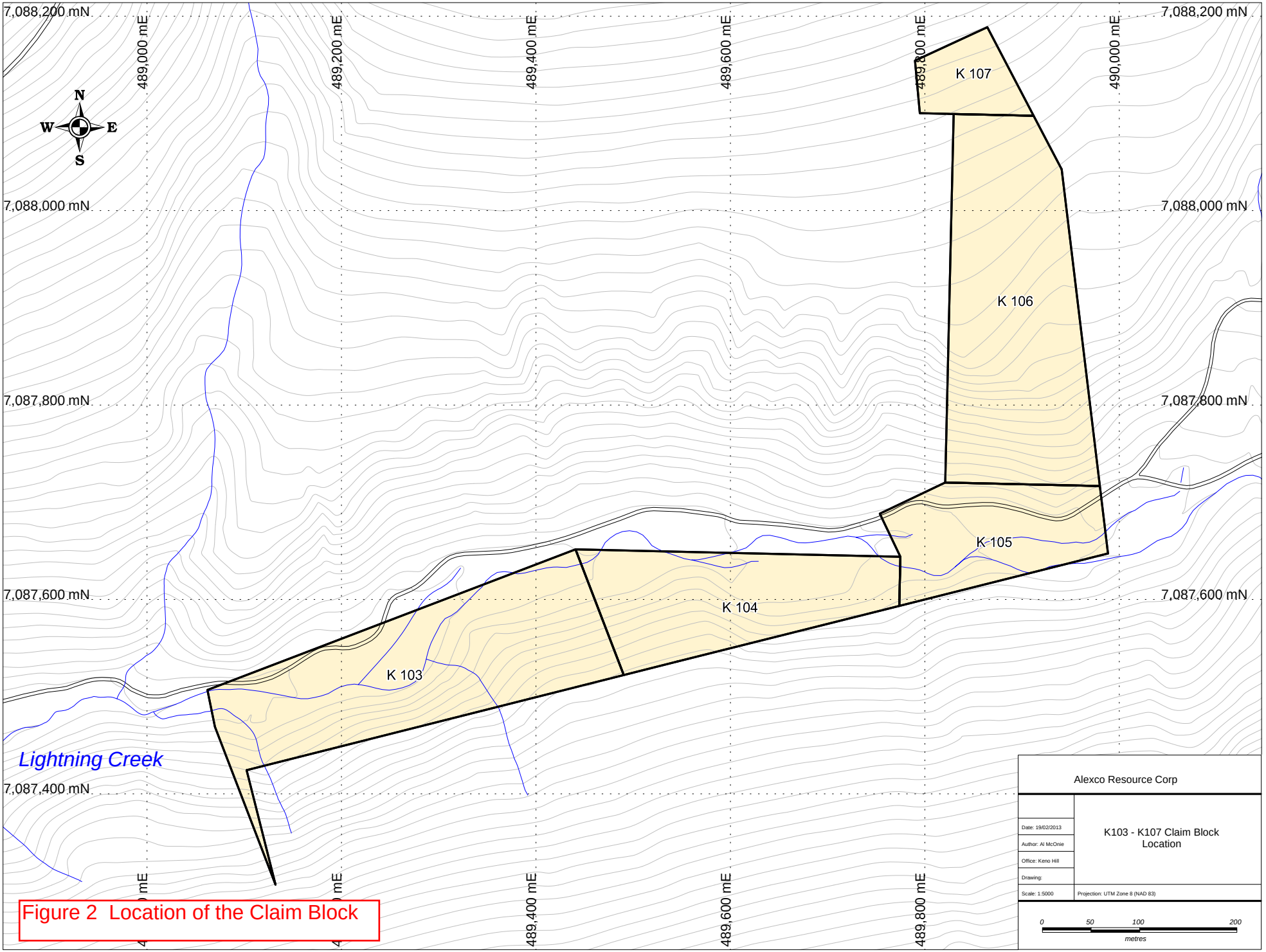

Figure 2 Location of the Claim Block

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.

The rock units within the claim area include the Keno Hill Quartzite (Mississippian), host to most of the past producing ore bodies in the Keno Hill district and includes some of the intrusive Triassic Greenstone sills (TRG).

6.0 PROPERTY GEOLOGY

The claim block is located on the upper limb of a regional antiformal fold within the Keno Hill Quartzite (MKT) along the upper contact of one Greenstone sill unit on the eastern side as shown in Figures 3 and 4 (Murphy, 1997). Detailed new geological mapping by Alexco has identified the area to lie within the Basal Quartzite Member of the Keno Hill Quartzite.

A number of mineral deposits are recorded in the district. As well as the close proximity of the Bellekeno silver – lead – zinc mine, the Vanguard, Runer, and Homestake occurrences are located in the immediate vicinity (Yukon MinFile 105M 010, 105M 016, and 105M 011 respectively).

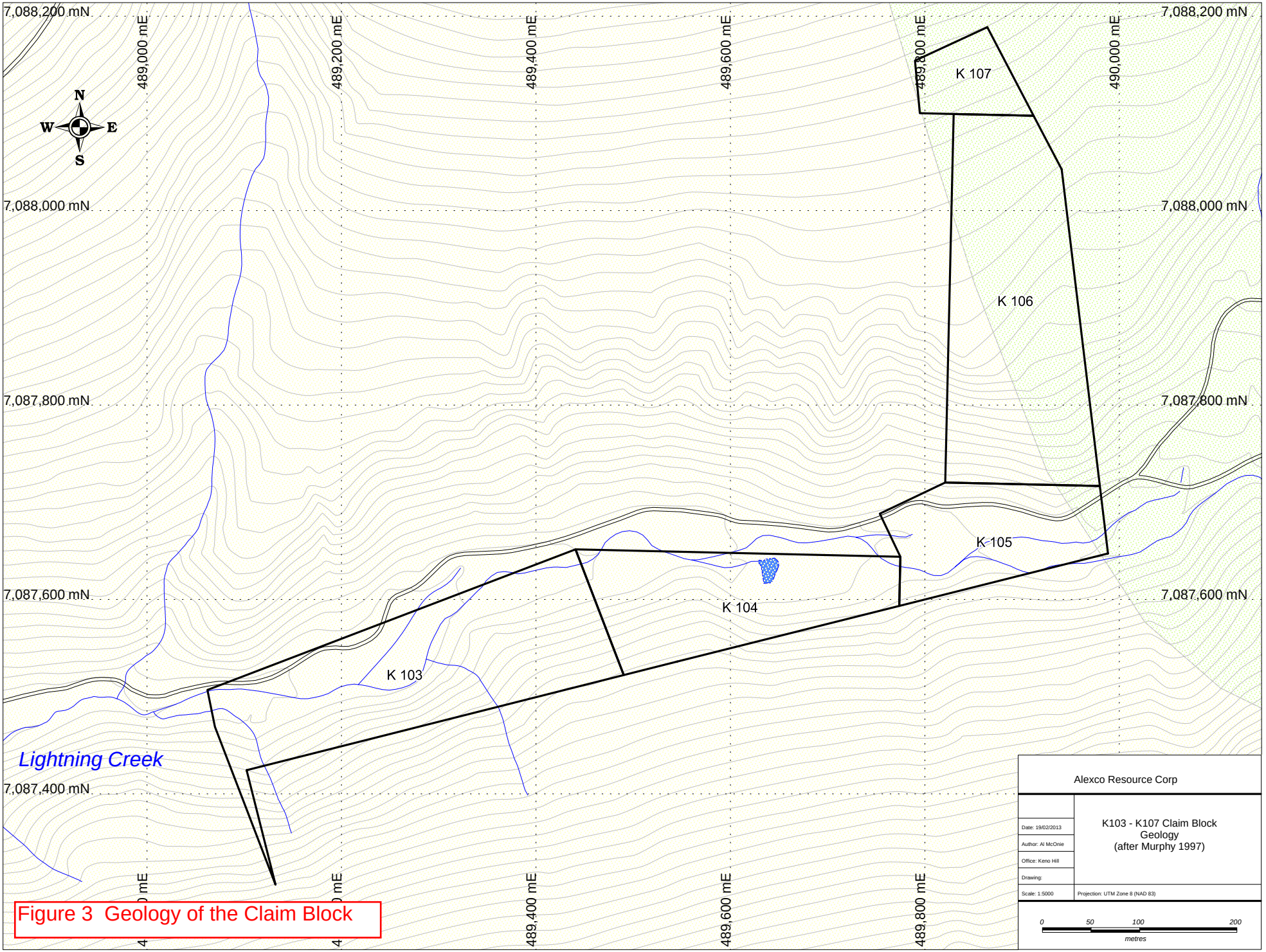

Figure 3 Geology of the Claim Block

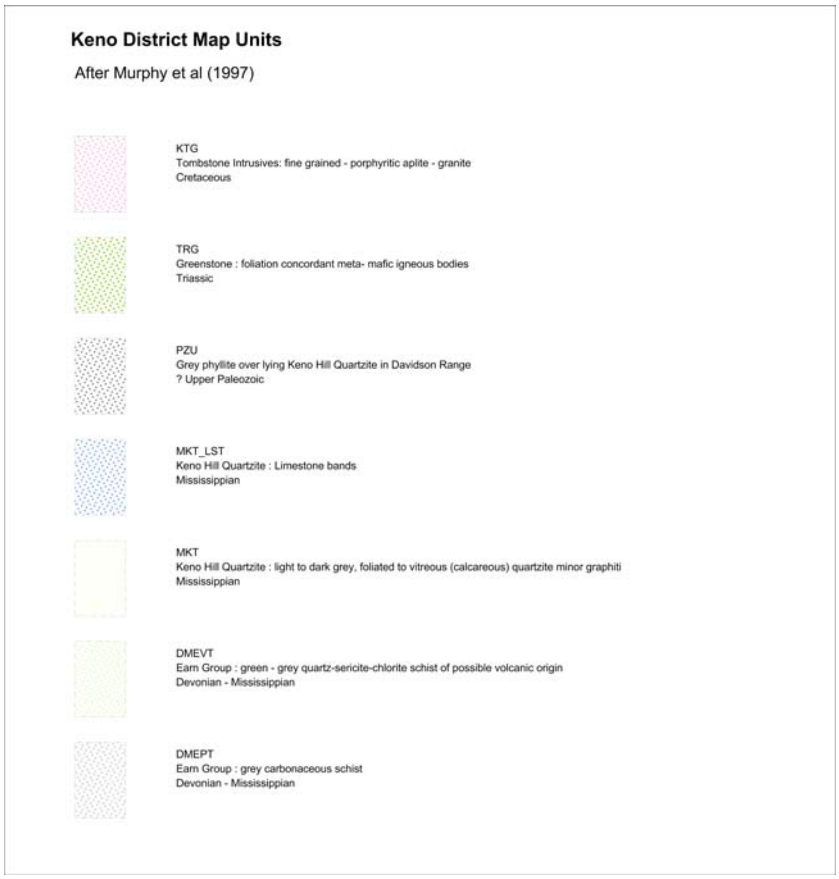

Figure 4 Geological Legend (from Murphy, 1997)

7.0 2012 SOIL SAMPLING WORK PROGRAM

Soil samples were collected in a single north - south down slope line on the eastern side of K 105 and K 106 during the 2012 field season by Alexco Resource Corp geologists.

All soil sample characteristics were recorded in the field and entered into spreadsheets (Appendix 4). Samples were analyzed for 51 elements by ICP method ME-MS41L using aqua regia acid digestion and with gold determined by method AA-25 using fire assay and AAS by ALS Minerals Laboratory, North Vancouver, BC and reported 23 September 2012. Copies of the laboratory results (Certificate WH12207125) are included in Appendix 5.

Soil Sampling Results

Within the Keno Hill district, the background values for elements generally associated with mineralization are considered to be as follows:

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

Anomalous values here are considered to exceed twice the background and the range of geochemical values from the current survey is shown in Table 1.

A map showing the location of soil samples is shown as Figure 5 and those with anomalous values are shown in Figure 6. Plots for the other elements could be generated from the assay results as required.

These show a two station silver anomaly at the base of the slope that requires followup exploration.

Table 1 Range of Geochemical Values (ppm) from Soil Survey

Field	Minimum	Maximum	Mean	Threshold	SD	Percentile25	Percentile50	Percentile75	Percentile90
Au_MS_ppm	0	0.0054	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Au_FA_ppm	0.01	0.05	0.02	0.04	0.02	0.01	0.01	0.01	0.03
Ag_ppm	0.143	0.718	0.27	0.54	0.14	0.19	0.22	0.27	0.43
Al%	1.12	1.64	1.35	2.70	0.13	1.26	1.32	1.43	1.51
As_ppm	19	48.3	26.10	52.20	7.23	21.48	23.10	30.75	32.39
Ba_ppm	136.5	281	189.65	379.30	35.09	164.88	181.25	205.50	235.90
Be_ppm	0.2	0.37	0.26	0.52	0.05	0.22	0.26	0.28	0.30
B_ppm	0.15	0.29	0.20	0.41	0.03	0.18	0.19	0.22	0.25
Ca_ppm	0.06	0.15	0.11	0.21	0.02	0.10	0.11	0.11	0.12
Cd_ppm	0.12	0.45	0.19	0.38	0.08	0.13	0.16	0.20	0.25
Ce_ppm	20.1	31.1	25.34	50.68	2.80	24.30	25.55	26.38	28.42
Co_ppm	3	9.7	5.94	11.87	1.65	4.88	5.60	6.80	8.31
Cr_ppm	17	25.5	22.39	44.77	2.01	21.43	22.35	23.80	24.92
Cs_ppm	0.59	1.43	0.93	1.87	0.16	0.85	0.92	1.01	1.07
Cu_ppm	13.15	41.6	19.65	39.30	6.12	16.33	18.05	21.30	23.25
Fe%	1.93	2.67	2.27	4.53	0.18	2.17	2.29	2.38	2.43
Ga_ppm	3.53	6.21	4.68	9.37	0.59	4.39	4.64	4.92	5.25
Ge_ppm	0.08	0.1	0.09	0.18	0.01	0.09	0.09	0.10	0.10
Hf_ppm	0.02	0.02	0.02	0.04	0.00	0.02	0.02	0.02	0.02
Hg_ppm	0.014	0.053	0.03	0.06	0.01	0.03	0.03	0.04	0.04
In_ppm	0.017	0.026	0.02	0.04	0.00	0.02	0.02	0.02	0.02
K%	0.03	0.05	0.04	0.08	0.01	0.04	0.04	0.04	0.04
La_ppm	10.8	14.5	12.56	25.11	0.85	11.98	12.60	13.15	13.40
Li_ppm	7.1	16.1	11.86	23.71	1.80	10.90	11.60	12.80	13.39
Mg%	0.18	0.38	0.32	0.65	0.04	0.31	0.34	0.35	0.36
Mn_ppm	81	540	236.45	472.90	127.53	165.75	186.00	274.50	418.90
Mo_ppm	1.23	2.39	1.78	3.55	0.29	1.60	1.74	2.03	2.13
Nb_ppm	0.42	0.91	0.63	1.25	0.14	0.52	0.59	0.75	0.80
Ni_ppm	9.8	20.9	15.36	30.71	2.60	13.68	16.10	16.83	17.35
P%	0.041	0.077	0.06	0.11	0.01	0.05	0.06	0.06	0.07
Pb_ppm	11.6	22.2	14.95	29.89	2.94	12.91	13.63	17.06	18.56
Rb_ppm	5.3	10.7	8.31	16.61	1.40	7.30	7.95	9.10	10.21
Re_ppm	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S%	0.01	0.03	0.01	0.03	0.01	0.01	0.01	0.02	0.02
Sb_ppm	0.75	1.73	1.01	2.02	0.25	0.85	0.93	1.06	1.36
Sc_ppm	1.1	2.9	1.81	3.62	0.51	1.40	1.80	1.93	2.61
Se_ppm	0.1	0.9	0.47	0.93	0.22	0.30	0.40	0.55	0.80
Sn_ppm	0.3	0.6	0.42	0.83	0.07	0.40	0.40	0.40	0.50
Sr_ppm	8.5	13.9	11.22	22.44	1.30	10.45	11.05	11.98	12.84

Te_ppm	0.01	0.06	0.03	0.06	0.01	0.02	0.02	0.04	0.05
Th_ppm	0.2	1.8	0.75	1.49	0.51	0.38	0.55	1.13	1.51
Ti%	0.028	0.04	0.03	0.07	0.00	0.03	0.03	0.04	0.04
Tl_ppm	0.06	0.12	0.10	0.19	0.02	0.09	0.10	0.11	0.11
U_ppm	0.61	1.11	0.76	1.52	0.12	0.68	0.76	0.83	0.88
V_ppm	37	57	44.95	89.90	4.36	42.75	44.00	46.50	49.30
W_ppm	0.2	0.32	0.23	0.46	0.03	0.21	0.23	0.24	0.25
Y_ppm	2.73	4.86	3.86	7.72	0.70	3.23	4.06	4.40	4.70
Zn_ppm	38.5	82	54.80	109.59	9.05	49.70	54.45	58.45	62.65
Zr_ppm	0.6	0.6	0.60	1.20	0.00	0.60	0.60	0.60	0.60

8.0 CONCLUSIONS AND RECOMMENDATIONS

The results from the soil sampling indicate one area where anomalous silver may relate to potentially mineralized structures and where further exploration is required.

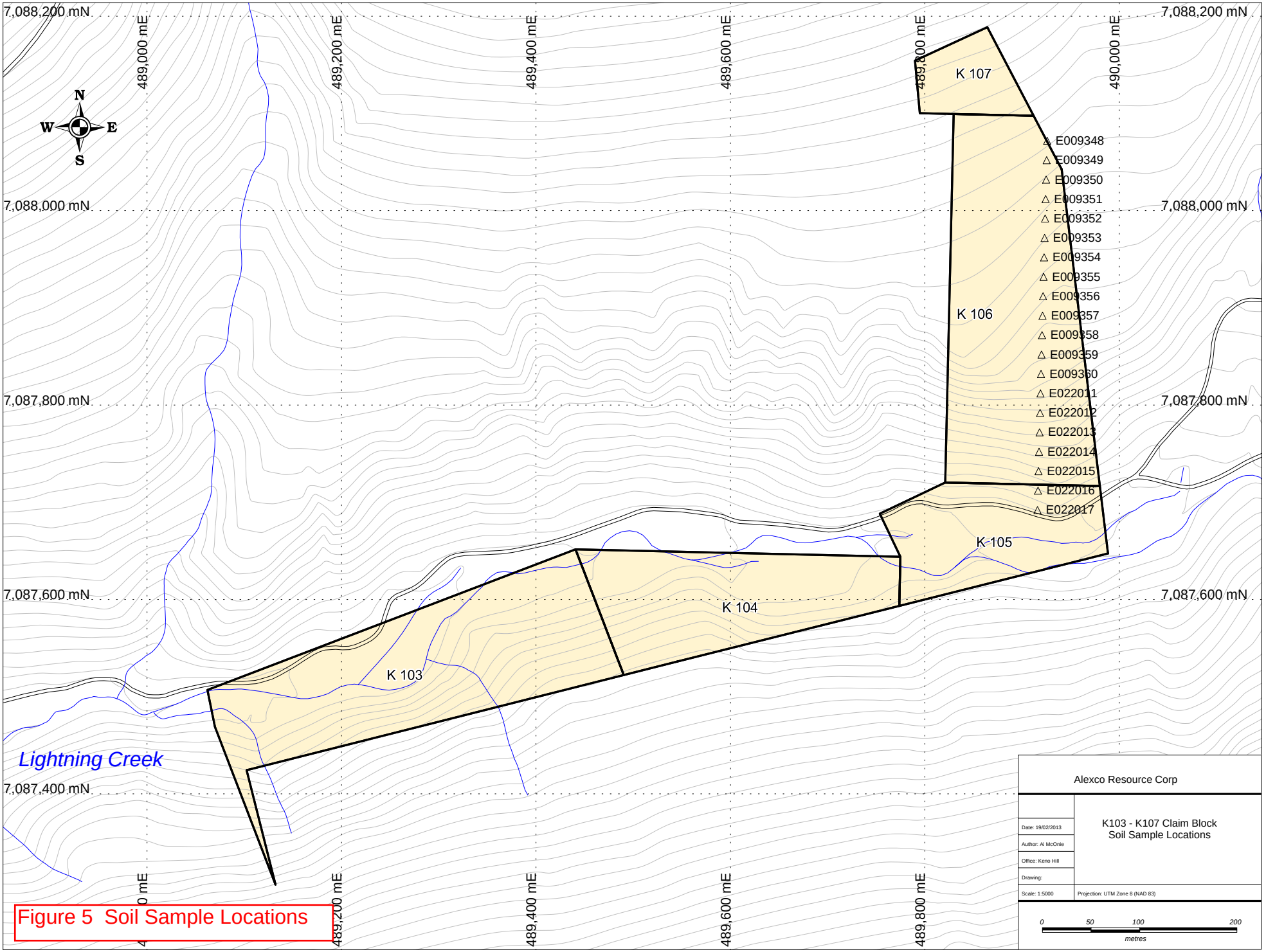

Figure 5 Soil Sample Locations

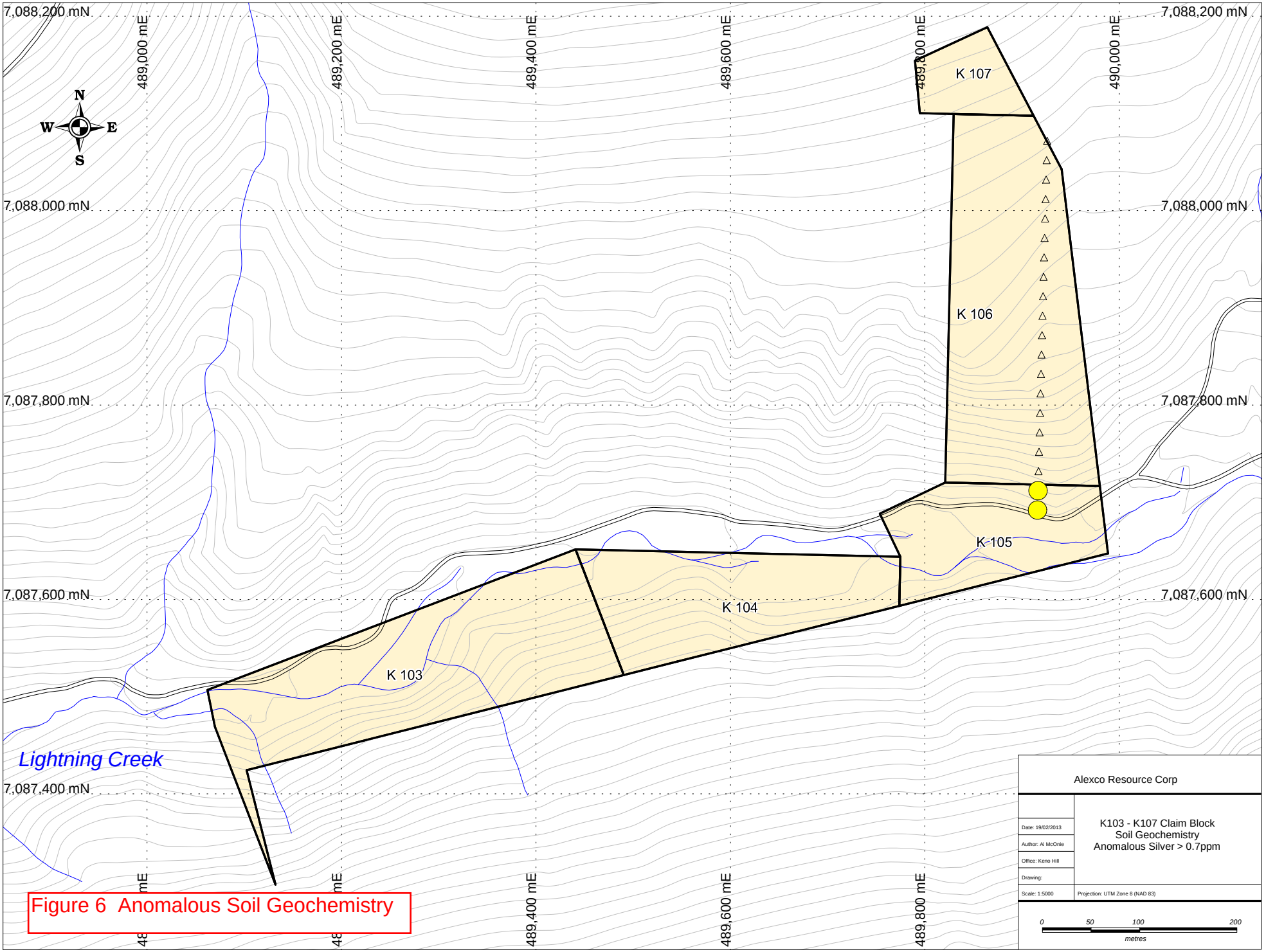

Figure 6 Anomalous Soil Geochemistry

9.0 LIST OF REFERENCES

Murphy, D.C., 1997.
Geology of the McQuesten River Region, Northern McQuesten and Mayo Map Areas, Yukon Territory (11P/14, 15, 16; 105M/13,14).
Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 6.

APPENDIX 1

LIST OF CLAIMS

Claim Label	Quartz Claim	Grant Number	Owner Name	Staking date	Recorded date	Expiry date	District
K 103	97366716	YC56155	Alexco Keno Hill Mining Corp. - 100%	21/06/2007	22/06/2007	31/12/2012	Mayo
K 104	97322969	YC56156	Alexco Keno Hill Mining Corp. - 100%	21/06/2007	22/06/2007	31/12/2012	Mayo
K 105	97149986	YC56157	Alexco Keno Hill Mining Corp. - 100%	21/06/2007	22/06/2007	31/12/2012	Mayo
K 106	97230678	YC56158	Alexco Keno Hill Mining Corp. - 100%	21/06/2007	22/06/2007	31/12/2012	Mayo
K 107	97301827	YC56159	Alexco Keno Hill Mining Corp. - 100%	21/06/2007	22/06/2007	31/12/2012	Mayo

APPENDIX 2

LIST OF PERSONNEL

Al McOnie
694 SH 2, RD1
Katikati
New Zealand
3177

Annie Greenfield
6906 Lowes Crt SW,
Calgary, AB
T3E 6G7

Richard Benson
7226 Nelson Ave
Burnaby, BC
V5J 4C3

APPENDIX 3

STATEMENT OF EXPENDITURES

COST STATEMENT - Alexco Resource Corp. October 2012 "K 106 Group" Assessment Filing

Claim	*Grant*	*Owner*	*STAFF/REPORTING*	*ROOM AND BOARD*	*ANALYTICAL*	*RENTALS / SUPPPORT*	**EST TOTAL**
K 106	YC56158	Alexco Keno Hill Mining Corp.	$ 1,230.00	$ 228.00	$ 840.00	$ 250.00	$ 2,548.00
		*Rentals/Support includes communication, freight, travel, fuel, truck & field office rental					
		Geochemical Soil Sampling work carried out on August 19, 2012					

APPENDIX 4

SOIL SAMPLE DESCRIPTIONS

Sample_Number	PegNum	East	North	Sample_Depth_cm	Horizon	Color	Silt_%	Clay_%	Organic_%	Gravel_%	Sand_%	Comments
E009348	21	489926	7088072	10	B?	l. brown	75	3	3		20	
E009349	20	489925	7088052	15	B	l. brown	65	5	5		25	
E009350	19	489925	7088032	10	B	l. brown	60	10	5		25	
E009351	18	489924	7088012	15	B	l. brown	50	5	2	5	30	
E009352	17	489924	7087992	15	B	l. grey brown	55	5	5	5	30	
E009353	16	489923	7087972	15	B	l. grey brown	40	5	5	15	30	
E009354	15	489923	7087952	20	B	l. grey brown	60	3	2		35	
E009355	14	489922	7087932	10	B	l. brown	80	15	5		10	
E009356	13	489922	7087912	30	B	l. grey brown	60	15	5		20	
E009357	12	489921	7087892	30	B	l. grey brown	60	5	5		30	
E009358	11	489921	7087872	30	B	l. grey brown	55	10	5		30	Few clay lenses.
E009359	10	489920	7087852	25	B	l. grey brown	45	10	2		15	
E009360	9	489919	7087832	25	B	brown	65	15	5		15	
E022011	8	489919	7087812	15	B	grey brown	55	5	5		30	
E022012	7	489918	7087792	15	B	grey brown	78	5	2		15	
E022013	6	489918	7087772	25	B	grey brown	50	5	5	15	25	Talus. Gravel.
E022014	5	489917	7087752	10	B	grey brown	60	5	10		25	
E022015	4	489917	7087732	15	B	grey brown	40	10	5	15	30	Clay lenses
E022016	3	489916	7087712	30	B	brown	50	5	5	15	35	Talus. Boulders.
E022017	2	489916	7087692	25	B	brown	50	5	5	15	30	

APPENDIX 5

SOIL SAMPLE ANALYSES

SAMPLE	Au_MS (ppm)	Au_FA (ppm)	Ag (ppm)	Al (%)	As (ppm)	B (ppm)	Ba (ppm)	Be (ppm)	Bi (ppm)	Ca (ppm)	Cd (ppm)	Ce (ppm)	Co (ppm)	Cr (ppm)	Cs (ppm)	Cu (ppm)	Fe (%)	Ga (ppm)	Ge (ppm)	Hf (ppm)	Hg (ppm)	In (ppm)	K (%)	La (ppm)	Li (ppm)	Mg (%)
E009348	0.0034	<0.01	0.205	1.31	20.6	<10	196.5	0.28	0.19	0.1	0.19	25.3	5.5	22	0.88	16.8	2.17	4.11	<0.05	<0.02	0.03	0.018	0.04	12.2	11.4	0.31
E009349	0.004	0.01	0.227	1.49	20.6	<10	171.5	0.34	0.19	0.1	0.16	26.9	6.3	24.9	0.85	19	2.4	4.21	<0.05	<0.02	0.028	0.02	0.04	12.6	12.7	0.35
E009350	0.0041	<0.01	0.213	1.64	21.5	<10	235	0.27	0.22	0.09	0.18	27.9	5.7	25.5	1.01	17.45	2.43	5.09	<0.05	0.02	0.014	0.022	0.04	13.1	13.3	0.36
E009351	0.002	0.01	0.195	1.31	23.2	<10	165	0.25	0.18	0.11	0.13	26	5.5	22.7	0.78	17.6	2.15	4.04	<0.05	<0.02	0.02	0.017	0.03	12.9	12.4	0.34
E009352	0.0022	0.01	0.175	1.24	20.4	<10	166	0.22	0.2	0.11	0.16	23.4	4.8	21.5	0.8	14.3	1.98	4.52	<0.05	<0.02	0.018	0.017	0.04	11.5	10.2	0.31
E009353	0.005	<0.01	0.218	1.12	31	<10	158.5	0.24	0.15	0.15	0.24	31.1	8.3	19.9	0.59	26.4	2.19	3.53	<0.05	<0.02	0.029	0.02	0.04	14.5	11.6	0.34
E009354	0.0021	<0.01	0.219	1.43	22.5	<10	180	0.28	0.18	0.12	0.18	26.1	5.6	23.8	0.85	21.9	2.28	4.59	<0.05	<0.02	0.028	0.024	0.04	12.4	13.1	0.35
E009355	0.0014	<0.01	0.186	1.26	19	<10	182.5	0.2	0.17	0.11	0.15	25.8	4.5	22	0.9	16.4	1.93	4.67	<0.05	<0.02	0.038	0.019	0.04	12.7	10.9	0.31
E009356	0.0029	0.01	0.164	1.43	23	<10	175	0.29	0.18	0.11	0.13	28.3	5.6	23.8	0.87	21.1	2.35	4.45	<0.05	<0.02	0.026	0.024	0.04	13.3	13.2	0.37
E009357	0.0019	<0.01	0.222	1.42	23.8	<10	281	0.29	0.18	0.12	0.12	25.2	6.6	23.5	0.95	19.7	2.32	4.59	<0.05	<0.02	0.053	0.02	0.04	12.3	12.7	0.33
E009358	0.0025	<0.01	0.323	1.55	23.2	<10	244	0.28	0.19	0.11	0.18	29.5	5.7	25.1	1.07	19.95	2.33	5.21	<0.05	<0.02	0.021	0.026	0.04	13.4	14.2	0.36
E009359	0.0054	<0.01	0.325	1.34	21.5	<10	220	0.26	0.18	0.1	0.13	25.9	3.8	21.5	0.93	16.1	1.99	4.75	<0.05	<0.02	0.03	0.017	0.03	12.6	11.7	0.29
E009360	0.0012	<0.01	0.249	1.3	28	<10	182.5	0.29	0.18	0.11	0.15	24.6	5.4	21.2	0.85	18.15	2.46	4.02	<0.05	<0.02	0.029	0.018	0.03	12	11.5	0.32
E022011	0.0027	<0.01	0.143	1.31	22.9	<10	160.5	0.21	0.2	0.09	0.14	21.5	4.9	22.8	0.98	14.5	2.22	4.96	0.08	<0.02	0.038	0.019	0.04	11.8	11.6	0.31
E022012	0.0025	<0.01	0.247	1.33	21.4	<10	164.5	0.2	0.22	0.08	0.13	22.1	4.5	21.9	0.93	15.7	2.09	4.91	0.09	<0.02	0.037	0.019	0.04	11.9	11	0.3
E022013	0.0016	<0.01	0.417	1.36	30.9	<10	194	0.24	0.24	0.12	0.32	20.1	7.5	23.5	1.01	22.9	2.39	4.77	0.1	<0.02	0.043	0.024	0.05	10.8	10.8	0.34
E022014	0.0019	<0.01	0.24	1.24	31.8	<10	201	0.2	0.22	0.13	0.24	20.7	7.4	20.5	0.88	22.3	2.27	4.61	0.08	<0.02	0.031	0.018	0.05	11.5	10.7	0.34
E022015	0.0011	<0.01	0.168	1.24	30.7	<10	136.5	0.2	0.26	0.1	0.13	24.9	8.4	20.8	1.03	13.15	2.38	5.65	0.09	<0.02	0.037	0.019	0.04	12.9	10.9	0.28
E022016	0.0027	0.05	0.572	1.51	48.3	<10	219	0.37	0.25	0.1	0.45	26.2	9.7	23.8	1.43	41.6	2.67	4.79	0.1	<0.02	0.041	0.022	0.04	13.4	16.1	0.38
E022017	<0.0002	<0.01	0.718	1.12	37.7	<10	160	0.24	0.29	0.06	0.24	25.3	3	17	1.08	17.95	2.3	6.21	0.09	<0.02	0.036	0.017	0.04	13.3	7.1	0.18

SAMPLE	Mn (ppm)	Mo (ppm)	Na (%)	Nb (ppm)	Ni (ppm)	P (%)	Pb (ppm)	Rb (ppm)	Re (ppm)	S (%)	Sb (ppm)	Sc (ppm)	Se (ppm)	Sn (ppm)	Sr (ppm)	Ta (ppm)	Te (ppm)	Th (ppm)	Ti (%)	Tl (ppm)	U (ppm)	V (ppm)	W (ppm)	Y (ppm)	Zn (ppm)	Zr (ppm)
E009348	185	1.87	0.01	0.46	16.3	0.055	13.6	7.9	0.001	0.01	0.867	1.3	0.5	0.4	10.9	<0.01	0.02	0.3	0.029	0.09	0.84	43	0.24	4.19	51.3	<0.5
E009349	213	1.73	0.01	0.81	17.2	0.049	14.55	7.6	0.001	0.01	0.856	2.7	0.7	0.4	10.5	<0.01	0.02	1.8	0.04	0.09	0.9	45	0.25	4.13	56.3	<0.5
E009350	175	2.02	0.01	0.91	16.9	0.059	15.85	9.1	<0.001	0.01	0.766	2.9	0.7	0.4	10.8	<0.01	0.03	1.6	0.038	0.11	0.88	49	0.28	4.35	58.4	<0.5
E009351	180	1.74	0.01	0.67	17.1	0.05	11.9	7.1	<0.001	<0.01	1.025	1.9	0.5	0.4	10.6	<0.01	0.02	1.1	0.035	0.07	0.77	40	0.22	3.57	55.8	<0.5
E009352	147	1.75	0.01	0.53	14.7	0.047	11.6	6.9	<0.001	0.01	0.837	1.4	0.5	0.4	11.2	<0.01	0.02	0.4	0.032	0.09	0.67	43	0.24	2.84	50.2	<0.5
E009353	360	1.81	0.01	0.61	20.9	0.061	17.75	5.3	<0.001	0.01	1.415	2.4	0.4	0.3	12.8	<0.01	0.03	1.5	0.039	0.06	0.73	37	0.21	4.63	63.1	0.6
E009354	200	1.62	0.01	0.57	16.6	0.057	13.4	7.6	<0.001	0.01	0.974	1.8	0.3	0.4	11.4	<0.01	0.03	0.5	0.032	0.1	0.83	43	0.2	3.98	58.6	<0.5
E009355	141	1.46	0.01	0.42	13.9	0.052	12.2	8	<0.001	0.01	0.75	1.1	0.4	0.4	11.8	<0.01	0.01	0.2	0.029	0.08	0.68	42	0.22	3.61	48.2	<0.5
E009356	185	1.55	0.01	0.79	16.8	0.048	13.25	7.3	<0.001	0.01	0.975	2.6	0.1	0.4	11.6	<0.01	0.01	1.3	0.04	0.09	0.75	44	0.22	4.15	58.2	<0.5
E009357	259	1.5	0.01	0.55	15.8	0.055	13.65	7.5	0.001	0.02	0.907	1.8	0.4	0.4	12.2	<0.01	0.01	0.4	0.031	0.1	0.76	44	0.22	4.86	53.1	<0.5
E009358	187	1.65	0.01	0.6	16.3	0.054	14.45	9.1	<0.001	0.02	0.921	1.8	0.2	0.4	12.4	<0.01	0.02	0.4	0.033	0.11	0.83	48	0.23	4.74	57.4	<0.5
E009359	81	1.23	0.01	0.47	12.1	0.043	13.6	7.3	<0.001	0.01	0.82	1.3	0.4	0.4	10.1	<0.01	0.05	0.2	0.028	0.1	0.69	44	0.2	4.29	44.6	<0.5
E009360	172	1.53	0.01	0.5	14.4	0.056	12.5	7	<0.001	0.01	0.944	1.6	0.3	0.3	9.9	<0.01	0.02	0.4	0.029	0.08	0.76	42	0.21	4.53	51.3	<0.5
E022011	195	1.63	0.01	0.8	13	0.041	12.5	9.1	<0.001	0.01	0.882	2	0.3	0.5	10.3	<0.01	0.02	1.2	0.036	0.1	0.61	48	0.25	2.9	50.2	<0.5
E022012	137	1.62	0.01	0.69	12.9	0.052	13.05	8.9	<0.001	0.01	0.818	1.9	0.2	0.4	9.7	<0.01	0.05	0.8	0.031	0.11	0.73	44	0.32	3.58	47.4	<0.5
E022013	408	2.06	0.01	0.49	16.3	0.077	18.4	10.2	<0.001	0.03	1.23	1.4	0.5	0.5	13.2	<0.01	0.02	0.3	0.031	0.1	0.77	46	0.23	3.09	62.6	<0.5
E022014	321	2.08	0.01	0.55	15.9	0.064	17.55	10.1	<0.001	0.02	1.35	1.5	0.4	0.4	13.9	<0.01	0.04	0.6	0.033	0.09	0.66	42	0.23	3.08	61.4	<0.5
E022015	517	2.13	0.01	0.79	11.5	0.059	16.9	10.3	<0.001	0.01	1.045	1.8	0.8	0.5	11.9	<0.01	0.06	1	0.037	0.12	0.61	52	0.24	2.73	47.3	<0.5
E022016	540	2.39	0.01	0.56	18.7	0.077	22.2	10.7	<0.001	0.02	1.73	1.8	0.9	0.4	10.7	<0.01	0.04	0.6	0.035	0.11	1.11	46	0.21	4.69	82	<0.5
E022017	126	2.16	0.01	0.73	9.8	0.074	20	9.1	<0.001	0.01	1.115	1.2	0.8	0.6	8.5	<0.01	0.05	0.3	0.035	0.12	0.65	57	0.21	3.27	38.5	<0.5

APPENDIX 6

STATEMENT OF QUALIFICATIONS

Al McOnie

I, Alan McOnie of 694 SH2, RD1, Katikati, New Zealand
DO HEREBY CERTIFY:

THAT, I am a VP Exploration and Qualified Person with Alexco Resource Corp., 1150-200 Granville Street, Vancouver, BC, V6C 1S4.

THAT, I have practiced my profession with various mining companies in Canada, New Zealand, Australia, United States, Mexico, and China for over 36 years.

THAT, I am graduate in geology holding a BSc (Hons) from the University of Otago, New Zealand and a MSc from the University of Toronto, Canada.

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

THAT, I am a Fellow of the Australasian Institute of Mining and Metallurgy.

THAT, this report is based on work which I personally managed during the year 2012.

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

DATED at Katikati, New Zealand this 21st day of February, 2013.

Al McOnie