

# 2013 Assessment Report

Property comprising the following Claims:

## **K Fr. 109 and K Fr. 110**

Located in the:

Keno Hill Area

Mayo Mining District

Yukon Territory, Canada

N.T.S. 105M14

UTM NAD 83, Zone 8

Easting: 484,250

Northing: 7,088,020

## **Prepared For:**

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of

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Dates Work Performed: August 11<sup>th</sup>, 2013

Date of Report: December 30<sup>th</sup>, 2013

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## 1.0 Summary

Sixteen soil samples were collected from a single line transecting the K Fr. 109 and K Fr. 110 claims on the 11<sup>th</sup> of August 2013. Seven samples returned elevated silver values but no corresponding elevated lead values. Anomalous values of gold and zinc were also returned.

## 2.0 Introduction

This report summarizes work carried out on the K Fr. 109 and K Fr. 110 claims for Alexco Exploration Canada Corp. Sixteen soil samples were collected for the purpose of exploration assessment by Alexco Resource Corp. staff on August 11<sup>th</sup>, 2013.

## 3.0 Location and Access

The K Fr. 109 and K Fr. 110 claims are located in the Mayo Mining District, central Yukon approximately 350 km north of Whitehorse (Figure 1). The claim lies in the relatively flat part of the Christal Stream valley below Keno and Galena Hill, the claim is covered by NTS map sheet 105M14. Access is immediately north off of the Silver Trail Highway approximately 1.5 km west of Keno City. The base of operations for Alexco from which the work was carried out was Elsa, an abandoned mining town 14 km west of Keno City on the Silver Trail Highway.

The location of the claims is shown in Figure 2 and is located approximately at 484,250 East and 7,088,020 North. All coordinates are in a UTM NAD 83, Zone 8 map projection datum.

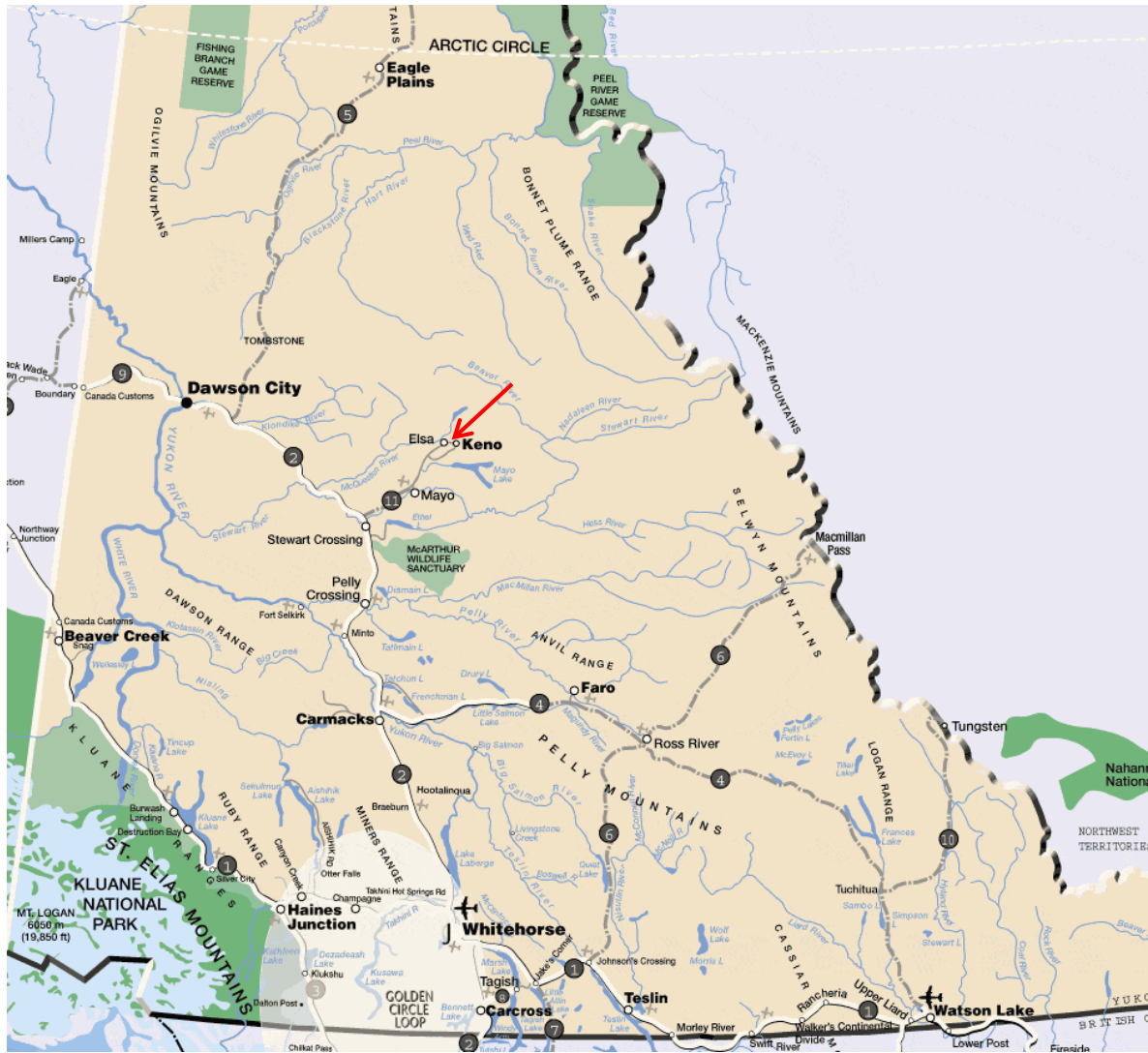


Figure 1. General location of the K109 and K110 fractional claims, Yukon Territory.

#### 4.0 Claim status

At the time of this writing the K Fr. 109 and K Fr. 110 claims both carry a “pending” status. The claims were originally staked in 2012 and prior to current work had an expiry date of September 10<sup>th</sup>, 2013. No prior assessment reports exist for the as their original staking was done to cover open ground revealed by the surveying of surrounding claims being taken to lease.

The details for both claims can be found in Appendix 1. A list of personnel and work expenditures are included in Appendices 2 and 3 respectively.



Figure 2. Location of the K Fr. 109 and K Fr. 110 claims.

## 5.0 Regional Geology

The Keno Hill area containing the assessed claims is composed primarily of metasedimentary rocks deposited on the Neoproterozoic to Paleozoic continental margin located on the western margin of the Selwyn Basin (Murphy, 1997). These sediments were subject to greenschist facies regional metamorphism during the Jurassic and Cretaceous periods when compressional tectonics produced extensive folding, and imbricated thrust sheets. In the mid-Cretaceous these rocks were subject to further tectonic activity resulting in extensive brittle deformation and emplacement of igneous intrusives.

The Groups that underlie the Keno Hill area and host most of the past producing silver deposits are the Mississippian Keno Hill Quartzite, the Devonian Earn Group, and Triassic meta-gabbroic sills.

## 6.0 Local Geology

No outcrop has been mapped on the K Fr. 109 or the K Fr. 110 claim because of inferred deep overburden, but its stratigraphic position can be interpreted from surrounding geology. Mapping by McOnie and Read, 2009 indicates the claims lies close to the upper stratigraphic boundary of the Earn Group that comprises predominantly dark grey schist (DEg) with a distinctive silvery green sericite-chlorite schist unit (DEc) and the overlying Basal Quartzite Member (MKq) of the Keno Hill Quartzite. A stratigraphic column for the Keno Hill area is shown in Figure 3.

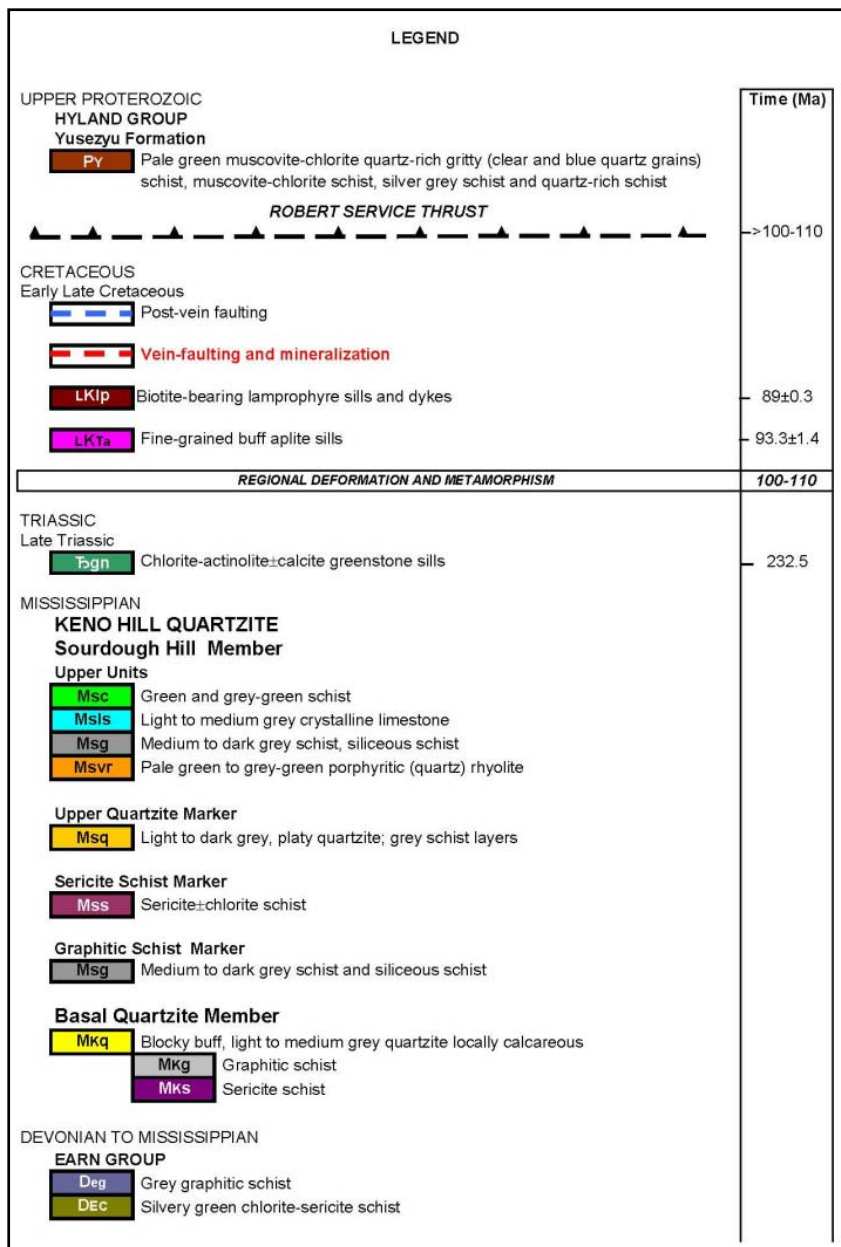


Figure 3. District Stratigraphy and legend for the geology of the Keno Hill area (McOnie & Read, 2009).



## 7.0 Soil Assessment and Results

One line of soil samples was collected in a south to north transect along the K Fr. 110 claim (Figure 4 & 5). In total sixteen samples were collected at 25 metre spacings with the best attempt made to sample the more prospective “B” soil horizon. Samples were taken using a combination of shovels and or trowels and placed in paper sample bags for storage, each marked with its own sample number. All relevant data for each sample was recorded in the field then transferred to a digital format as shown in Appendix 4.

All samples were assayed for a 51 trace element analysis by Aqua regia, ICP-MS and ICP-AES by ALS Minerals Laboratory, North Vancouver, BC.

A copy of results, from certificate WH13163141 (finalized on the 23<sup>rd</sup> of September, 2013) is shown in Appendix 5.

## Results

Soil sample assay results are considered to be anomalous if the value is equal to or exceeds twice the established background level for that element. Background element values generally associated with mineralization for the Keno Hill area are:

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

No anomalous silver values were returned however seven of the sixteen samples returned values above background concentrations. There were no elevated levels of lead, one anomalous gold value, and three anomalous zinc values. Sample E020147 which had an elevated silver value of 0.67 ppm also returned a gold value .52 ppm (520 ppb). Table 1 shows the range of geochemical results with maximum anomalous values of gold (.52 ppm), arsenic (140.5 ppm), and zinc (280 ppm) highlighted.

The location of the samples is shown in Figure 4 with the elevated silver values and anomalous gold and zinc values highlighted in Figure 5.

**Table 1. Range of Geochemical Soil Values for the K Fr. 110 and K Fr. 109 Claims.**

Element	Minimum	Maximum	Mean	SD	Percentile25	Percentile50	Percentile75	Percentile90
Au_ME_MS41L_ppm	0.00	0.52	0.04	0.13	0.00	0.00	0.00	0.01
Ag_ME_MS41L_ppm	0.17	0.71	0.47	0.15	0.38	0.45	0.63	0.66
Al_ME_MS41L_pct	0.43	1.61	1.00	0.32	0.89	0.98	1.10	1.47
As_ME_MS41L_ppm	12.10	140.50	43.68	41.73	17.14	25.50	48.53	108.80
B_ME_MS41L_ppm	-10.00	-10.00	-10.00	0.00	-10.00	-10.00	-10.00	-10.00
Ba_ME_MS41L_ppm	91.70	912.00	346.42	189.42	233.25	313.00	416.75	487.50
Be_ME_MS41L_ppm	0.19	0.41	0.29	0.06	0.24	0.30	0.32	0.36
Bi_ME_MS41L_ppm	0.10	0.39	0.20	0.08	0.15	0.20	0.24	0.29
Ca_ME_MS41L_pct	0.26	3.65	1.08	0.87	0.74	0.84	1.00	1.98
Cd_ME_MS41L_ppm	0.33	1.52	0.93	0.34	0.77	0.93	1.15	1.35
Ce_ME_MS41L_ppm	5.21	29.20	20.51	6.62	17.01	21.90	24.50	27.30
Co_ME_MS41L_ppm	5.83	23.30	12.77	4.86	10.61	12.28	13.19	19.90
Cr_ME_MS41L_ppm	8.06	29.40	19.00	5.64	16.38	19.08	21.33	26.45
Cs_ME_MS41L_ppm	0.34	1.21	0.74	0.25	0.58	0.69	0.92	1.07
Cu_ME_MS41L_ppm	20.20	68.20	38.26	12.86	29.78	36.85	46.00	49.35
Fe_ME_MS41L_pct	1.33	5.16	2.46	0.96	1.81	2.31	2.78	3.44
Ga_ME_MS41L_ppm	1.08	4.64	2.94	0.89	2.64	2.99	3.22	4.07
Ge_ME_MS41L_ppm	0.03	0.08	0.05	0.01	0.04	0.05	0.06	0.06
Hf_ME_MS41L_ppm	0.01	0.10	0.05	0.02	0.04	0.05	0.06	0.06
Hg_ME_MS41L_ppm	0.05	0.17	0.08	0.03	0.06	0.07	0.08	0.11
In_ME_MS41L_ppm	0.02	0.05	0.03	0.01	0.02	0.03	0.04	0.04
K_ME_MS41L_pct	0.02	0.05	0.03	0.01	0.03	0.03	0.04	0.05
La_ME_MS41L_ppm	2.90	13.80	10.14	3.04	8.63	11.10	11.98	12.88
Li_ME_MS41L_ppm	3.80	22.80	14.29	5.83	11.38	14.15	18.05	21.75
Mg_ME_MS41L_pct	0.21	0.46	0.37	0.08	0.31	0.38	0.44	0.46
Mn_ME_MS41L_ppm	164.50	2690.00	672.72	610.82	279.75	557.50	879.25	997.50
Mo_ME_MS41L_ppm	0.43	3.23	1.66	0.81	1.03	1.37	2.32	2.67
Na_ME_MS41L_pct	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01
Nb_ME_MS41L_ppm	0.18	0.81	0.56	0.18	0.45	0.57	0.71	0.78
Ni_ME_MS41L_ppm	12.05	37.00	28.69	6.96	26.23	30.60	33.15	35.75
P_ME_MS41L_pct	0.07	0.13	0.09	0.02	0.07	0.08	0.10	0.11

Pb_ME_MS41L_ppm	11.70	37.20	22.47	7.25	19.16	22.35	24.93	32.70
Pd_ME_MS41L_ppm	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Pt_ME_MS41L_ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rb_ME_MS41L_ppm	2.12	7.45	4.97	1.54	3.98	5.02	6.00	6.91
Re_ME_MS41L_ppm	0.00	0.04	0.01	0.01	0.00	0.00	0.01	0.01
S_ME_MS41L_pct	0.01	0.39	0.12	0.10	0.05	0.10	0.13	0.24
Sb_ME_MS41L_ppm	0.46	2.26	1.14	0.47	0.81	1.03	1.39	1.76
Sc_ME_MS41L_ppm	0.73	4.30	2.69	0.97	2.21	2.86	3.24	3.67
Se_ME_MS41L_ppm	1.00	3.60	2.00	0.77	1.48	1.80	2.43	3.10
Sn_ME_MS41L_ppm	0.13	0.40	0.26	0.07	0.22	0.24	0.29	0.38
Sr_ME_MS41L_ppm	14.40	68.00	32.89	14.99	24.93	28.60	36.28	52.55
Ta_ME_MS41L_ppm	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01
Te_ME_MS41L_ppm	-0.01	0.05	0.03	0.02	0.02	0.02	0.04	0.05
Th_ME_MS41L_ppm	0.20	4.37	2.60	1.09	2.26	2.92	3.20	3.46
Ti_ME_MS41L_pct	0.01	0.03	0.02	0.00	0.02	0.02	0.03	0.03
Tl_ME_MS41L_ppm	0.06	0.20	0.10	0.04	0.08	0.09	0.11	0.14
U_ME_MS41L_ppm	0.48	3.13	1.63	0.87	0.74	1.96	2.08	2.71
V_ME_MS41L_ppm	10.90	49.50	29.51	8.92	24.70	30.10	32.75	38.40
W_ME_MS41L_ppm	0.06	0.39	0.17	0.10	0.11	0.14	0.20	0.30
Y_ME_MS41L_ppm	3.16	11.05	7.53	2.12	6.53	7.71	8.71	10.18
Zn_ME_MS41L_ppm	46.10	280.00	154.23	59.62	127.25	149.25	170.50	233.50
Zr_ME_MS41L_ppm	0.58	3.83	1.81	0.86	1.44	1.69	1.86	2.92

## 8.0 Conclusions and Recommendations

With the lack of outcrop and the location of the claim being in the valley flat between Keno and Galena Hills the real possibility exists of deep overburden as seen elsewhere in the district. This makes the results received encouraging and the single anomalous gold value that is ten times the accepted background level certainly warrants the need for further work on the claim.

It is recommended that a program to determine the immediate underlying bedrock lithology for a more definitive sampling program to be carried out.

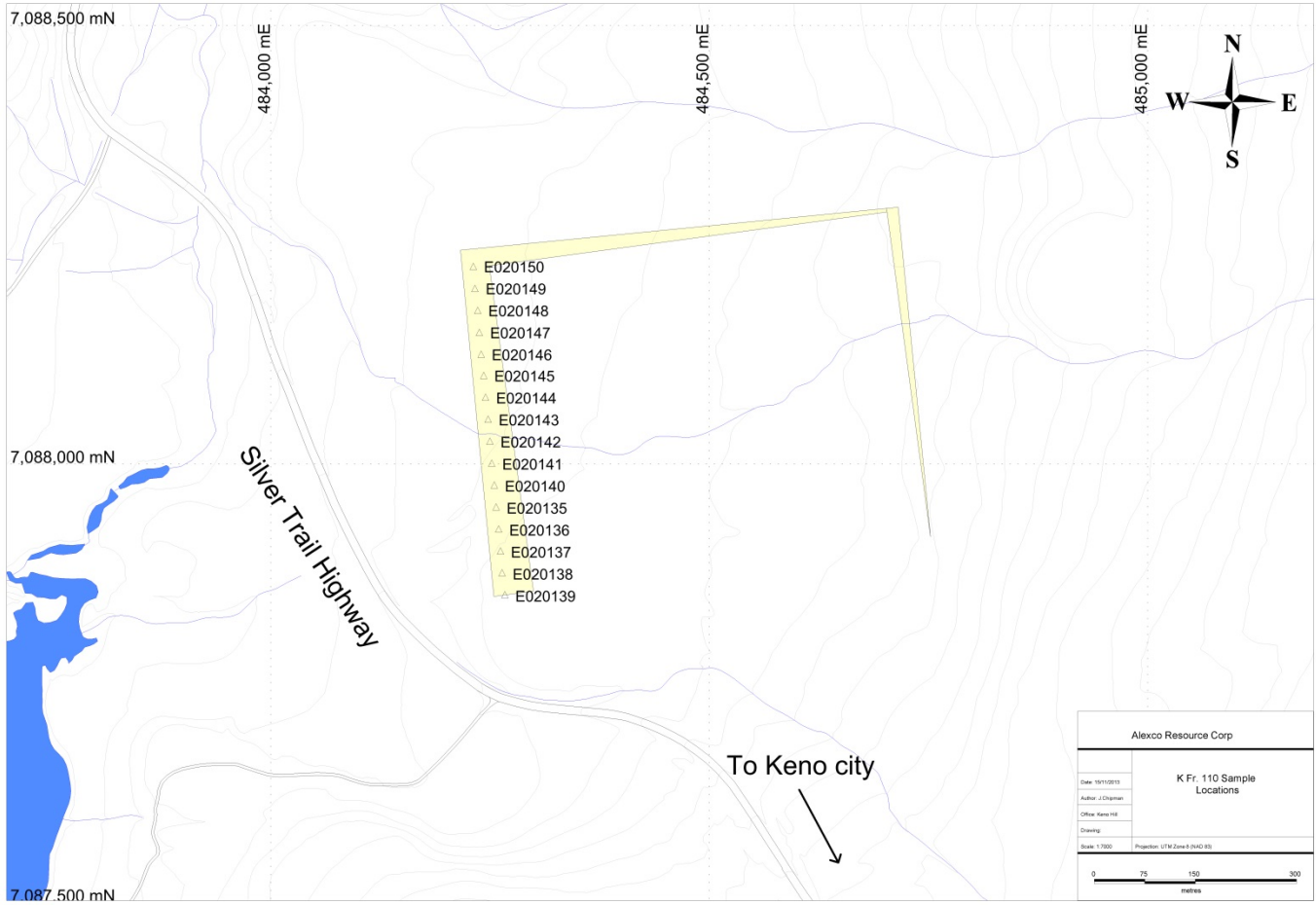


Figure 4. Location and sample numbers for the 16 soil samples taken on the K Fr. 110 claim.

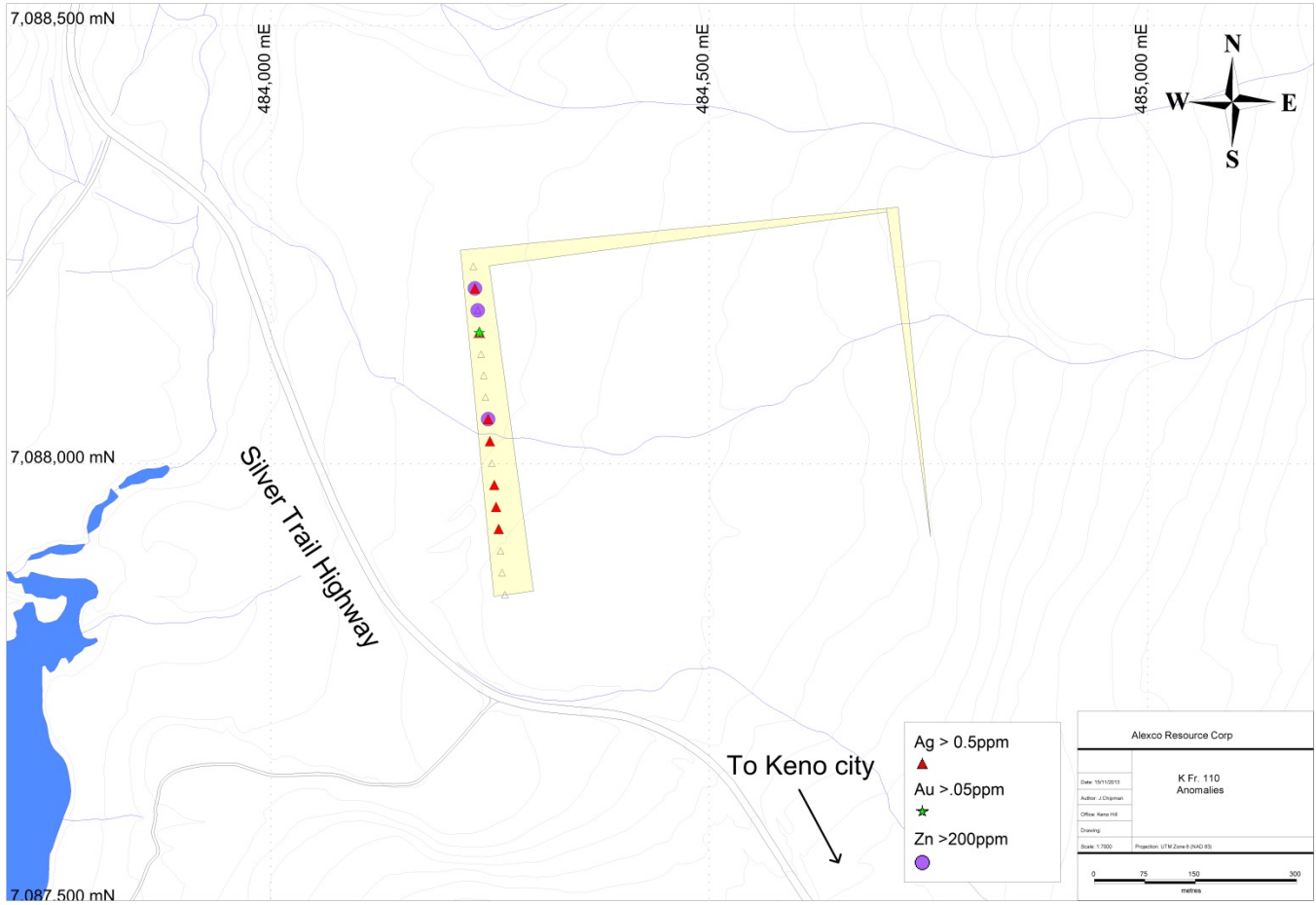


Figure 5. Highlighted symbols show elevated silver and anomalous zinc and gold values from the 16 soil samples collected.

## 9.0 List of References

McOnie, A and P.B. Reid. 2009, Stratigraphy, Structure, and Exploration Opportunities Sourdough, Galena and part of Keno Hills, Keno Hill Mining Camp, Central Yukon. Internal Report Alexco Resource Corp.

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

Quartz claim	Grant number	Drafting	Regulation	Tenure	Claim label	Owner	Staking date	Recorded date	Expiry date	District
185243121	YC90501	Quartz	Q	Pending	K Fr. 110	Alexco Exploration Canada Corp. - 100%	19-Aug-12	10-Sep-12	10-Sep-13	Mayo
185243122	YC90502	Quartz	Q	Pending	K Fr. 109	Alexco Exploration Canada Corp. - 100%	19-Aug-12	10-Sep-12	10-Sep-13	Mayo

## Appendix 2

### List of Personnel

**Jared Chipman**

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Deerfield, Nova Scotia  
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Vancouver, BC

**Matthew McMahon**

25 Gadsby Ave  
Welland, Ont  
L3C 1A8

### Appendix 3

#### Statement of Expenditures

Claim name	Grant numb	Owner	Field Staff and Reporting	Camp Overhead	Vehicles - support	Analytical	Est. Total
K Fr. 110	YC90501	Alexco Exploration Canada corp.	\$1,030.00	\$342.00	\$220.00	\$530.00	\$2,122.00



## Appendix 4

### Soil Sample Descriptions

Sample Number	East	North	Claim	Depth (cm)	Horizon	Color	Silt%	Clay %	Organic %	Gravel %	Sand %	Comments
E020135	484257	7087951	K-110 Fr	20	A	Brown	20	20	45	5	10	Trees, very muskegy
E020136	484260	7087926	K-110 Fr	40	A-B	Grey	15	10	15	20	40	side of cutout on helipad possibly moved material
E020137	484262	7087901	K-110 Fr	60	A-B	Red Brown-Grey	5	5	0	5	85	Cutout from heli-pad
E020138	484264	7087876	K-110 Fr	25	B	Grey-Brown	25	30	10	10	25	Lenses in muskeg
E020139	484267	7087851	K-110 Fr	20	B	Grey	15	40	10	15	20	Low area in muskeg collects muddy water
E020140	484255	7087976	K-110 Fr	35	A-B	Brown-Grey	15	15	30	25	15	Significant muskeg, swampy area
E020141	484252	7088001	K-110 Fr	25	A-B	Brown-Grey	20	20	10	20	30	Swampy muskeg
E020142	484250	7088026	K-110 Fr	50	A	Red Brown	0	0	80	0	20	Swampy muskeg
E020143	484248	7088051	K-110 Fr	40	B	Grey-Brown	15	40	25	5	15	Swampy muskeg
E020144	484245	7088076	K-110 Fr	30	A-B	Grey-Brown	15	40	40	0	5	Clearing in muskegy swamp
E020145	484243	7088101	K-110 Fr	30	B	Grey	20	40	20	5	15	Clearing in muskegy swamp
E020146	484240	7088125	K-110 Fr	40	B	Grey	20	40	25	0	15	Clearing in muskegy swamp
E020147	484238	7088150	K-110 Fr	30	B	Red Brown-Grey	25	35	25	5	15	Clearing in muskegy swamp
E020148	484236	7088175	K-110 Fr	30	B	Red Brown-Grey	40	30	20	0	10	Clearing in muskegy swamp
E020149	484233	7088200	K-110 Fr	30	B	Brown-Grey	45	25	25	0	5	Clearing in muskegy swamp
E020150	484231	7088225	K-110 Fr	30	A-B	Brown	15	15	60	0	10	Clearing in muskegy swamp

## Appendix 5

### Soil Sample Assays

Sample Number	Wt_WEI2 1 kg	Au_ME_M S41L_ppm	Ag_ME_M S41L_ppm	Al_ME_M S41L_pct	As_ME_M S41L_ppm	B_ME_MS 41L_ppm	Ba_ME_M S41L_ppm	Be_ME_M S41L_ppm	Bi_ME_M S41L_ppm	Ca_ME_M S41L_pct	Cd_ME_M S41L_ppm	Ce_ME_M S41L_ppm	Co_ME_M S41L_ppm	Cr_ME_M S41L_ppm	Cs_ME_M S41L_ppm	Cu_ME_M S41L_ppm	Fe_ME_M S41L_pct	Ga_ME_M S41L_ppm	Ge_ME_M S41L_ppm	Hf_ME_M S41L_ppm
E020135	0.33	0.007	0.647	0.97	140.5	-10	222	0.3	0.394	0.58	1.515	22.5	14.05	19.35	1	68.2	3.69	3.11	0.058	0.046
E020136	0.35	0.0029	0.654	0.5	60.3	-10	91.7	0.19	0.236	0.26	1.195	15.85	8.35	13.55	0.413	50.8	2.5	1.62	0.076	0.1
E020137	0.13	0.0029	0.166	0.93	14.35	-10	237	0.29	0.143	1.13	0.329	17.35	6.63	18.45	0.586	21.8	1.81	2.73	0.037	0.058
E020138	0.19	0.004	0.415	1.02	38.1	-10	283	0.33	0.24	0.78	0.873	23.9	12.35	21.3	0.64	43.1	2.53	3.04	0.057	0.06
E020139	0.32	0.0016	0.374	0.98	36.1	-10	191.5	0.28	0.207	0.36	0.948	25.7	12.9	20.1	0.701	47.8	2.41	2.84	0.055	0.065
E020140	0.15	0.0023	0.708	0.75	16.8	-10	481	0.22	0.23	2.68	0.809	8.75	5.83	11.15	0.548	32	1.37	2.12	0.028	0.013
E020141	0.26	0.003	0.466	0.74	79.6	-10	159.5	0.23	0.321	0.85	0.933	19.4	10.85	14.95	0.503	47.9	2.8	2.37	0.051	0.036
E020142	0.07	0.0035	0.62	0.43	31.2	-10	294	0.2	0.101	3.65	0.929	5.21	23.1	8.06	0.342	36.4	2.77	1.08	0.034	0.037
E020143	0.18	0.0045	0.515	1.57	17.25	-10	912	0.39	0.262	0.9	1.475	29.2	12.7	29.4	1.13	45.4	2.21	4.64	0.057	0.054
E020144	0.16	0.003	0.292	0.95	12.1	-10	284	0.27	0.116	0.84	0.483	21.3	10.5	16.85	0.665	21.9	1.69	2.94	0.049	0.032
E020145	0.23	0.0027	0.34	1.01	17.85	-10	332	0.33	0.152	0.77	0.772	21.3	11.9	18.8	0.773	36.6	1.96	3.03	0.053	0.039
E020146	0.19	0.0111	0.392	1.08	13.9	-10	345	0.32	0.174	0.83	1.135	23	12.35	20.8	0.806	36.9	1.79	3.16	0.046	0.036
E020147	0.22	0.524	0.665	1.14	44.6	-10	402	0.32	0.172	0.66	1.105	24.1	10.65	21.4	0.896	36.8	3.19	3.39	0.056	0.039
E020148	0.21	0.0027	0.437	1.36	18.4	-10	494	0.41	0.195	0.82	1.23	26.7	12.2	24.7	0.98	43.3	2.12	3.98	0.052	0.045
E020149	0.19	0.004	0.518	1.61	138	-10	461	0.31	0.21	0.96	0.765	27.9	23.3	28.2	1.21	20.2	5.16	4.15	0.052	0.049
E020150	0.15	0.0031	0.388	0.93	19.8	-10	353	0.24	0.113	1.28	0.446	16	16.7	16.95	0.683	23.1	1.33	2.88	0.03	0.047

Sample Number	Hg_ME_M S41L_ppm	In_ME_M S41L_ppm	K_ME_MS 41L_pct	La_ME_M S41L_ppm	Li_ME_MS 41L_ppm	Mg_ME_ MS41L_pct	Mn_ME_ MS41L_pp	Mo_ME_ MS41L_pp	Na_ME_M S41L_pct	Nb_ME_M S41L_ppm	Ni_ME_M S41L_ppm	P_ME_MS 41L_pct	Pb_ME_M S41L_ppm	Pd_ME_M S41L_ppm	Pt_ME_M S41L_ppm	Rb_ME_M S41L_ppm	Re_ME_M S41L_ppm	S_ME_MS 41L_pct	Sb_ME_M S41L_ppm	Sc_ME_M S41L_ppm
E020135	0.081	0.04	0.05	11.55	12	0.45	691	3.23	0.012	0.568	35.4	0.103	37.2	0.006	-0.002	5.77	-0.001	0.02	2.26	3.33
E020136	0.048	0.051	0.02	8.63	8.1	0.29	281	2.34	0.006	0.297	31	0.083	22.3	0.002	-0.002	2.12	0.001	0.05	1.77	2.24
E020137	0.067	0.025	0.03	8.62	13.4	0.37	263	1.05	0.011	0.703	17.85	0.069	11.7	0.001	-0.002	4.97	0.002	0.11	0.724	2.54
E020138	0.062	0.034	0.04	11.8	13.8	0.46	464	2.31	0.006	0.516	31.8	0.097	22.8	-0.001	-0.002	5.06	-0.001	0.03	1.355	2.89
E020139	0.051	0.032	0.03	12.6	14.5	0.45	268	2.52	0.007	0.433	32.3	0.102	24.7	0.002	-0.002	4.17	0.002	0.01	1.48	3.15
E020140	0.068	0.021	0.02	4.22	3.8	0.26	665	0.9	0.012	0.455	12.05	0.084	11.85	0.002	-0.002	3.38	0.001	0.12	0.772	0.728
E020141	0.063	0.045	0.02	9.78	9.5	0.4	651	2.82	0.01	0.356	28.7	0.086	25.6	-0.001	-0.002	3.39	-0.001	0.04	1.74	2.11
E020142	0.174	0.025	0.04	2.9	4.1	0.21	2690	1.34	0.014	0.181	24.8	0.123	22.9	0.003	0.002	2.93	0.042	0.39	1.05	0.861
E020143	0.131	0.04	0.05	13.8	22.8	0.44	878	1.36	0.01	0.792	36.1	0.073	29.4	0.003	-0.002	6.85	0.012	0.23	1.005	4.3
E020144	0.07	0.024	0.03	10.7	18.5	0.31	1030	0.43	0.013	0.57	20.1	0.067	14.8	-0.001	-0.002	5.38	0.005	0.08	0.46	2.39
E020145	0.059	0.021	0.03	10.5	17.1	0.35	303	1.37	0.01	0.597	26.7	0.075	18.6	0.001	-0.002	4.42	0.004	0.1	0.981	2.82
E020146	0.081	0.022	0.03	11.5	17.9	0.38	164.5	0.8	0.011	0.638	30.2	0.08	19.55	-0.001	-0.002	5.9	0.011	0.1	0.829	3
E020147	0.074	0.031	0.03	12.35	16.1	0.34	883	1.28	0.01	0.719	28.6	0.089	20.4	-0.001	-0.002	6.31	0.005	0.09	1.125	3.21
E020148	0.093	0.033	0.04	13.15	20.8	0.4	276	0.96	0.011	0.776	33.1	0.069	22.4	-0.001	-0.002	7.45	0.01	0.14	0.935	3.36
E020149	0.081	0.044	0.04	11.85	22.7	0.46	291	1.72	0.012	0.81	33.3	0.127	36	0.001	-0.002	6.96	0.008	0.12	1.115	3.98
E020150	0.09	0.024	0.03	8.36	13.5	0.29	965	2.2	0.012	0.519	37	0.081	19.35	0.001	-0.002	4.5	0.013	0.24	0.712	2.06

Sample Number	Se_ME_M S41L_ppm	Sn_ME_M S41L_ppm	Sr_ME_M S41L_ppm	Ta_ME_M S41L_ppm	Te_ME_M S41L_ppm	Th_ME_M S41L_ppm	Ti_ME_MS 41L_pct	Tl_ME_MS 41L_ppm	U_ME_MS 41L_ppm	V_ME_MS 41L_ppm	W_ME_M S41L_ppm	Y_ME_MS 41L_ppm	Zn_ME_M S41L_ppm	Zr_ME_M S41L_ppm	Ag_Ag_O G46_ppm	Certificate	Date Received	Date Finalized
E020135	1.8	0.27	20.8	-0.005	0.04	3.52	0.027	0.201	0.758	31.3	0.172	10.25	170	1.68	0	WH13163141	03/09/2013	23/09/2013
E020136	1.5	0.13	14.4	-0.005	0.05	3.23	0.028	0.092	0.48	23	0.079	6.67	151	3.83	0	WH13163141	03/09/2013	23/09/2013
E020137	1	0.29	38.4	-0.005	0.02	2.24	0.028	0.065	1.165	30	0.149	5.46	63.1	1.81	0	WH13163141	03/09/2013	23/09/2013
E020138	1.5	0.24	27.8	-0.005	0.05	3.4	0.021	0.094	0.698	31.6	0.197	7.97	120.5	2.19	0	WH13163141	03/09/2013	23/09/2013
E020139	1.2	0.23	19.2	-0.005	0.02	4.37	0.029	0.089	0.652	30.2	0.138	8.54	119.5	3.65	0	WH13163141	03/09/2013	23/09/2013
E020140	2.5	0.21	66.7	-0.005	0.01	0.202	0.02	0.084	2.05	18.5	0.094	3.16	46.1	0.58	0	WH13163141	03/09/2013	23/09/2013
E020141	1.3	0.21	22.9	-0.005	0.04	2.26	0.019	0.114	0.609	24.1	0.108	6.85	129.5	0.76	0	WH13163141	03/09/2013	23/09/2013
E020142	1.6	0.17	68	-0.005	0.02	0.447	0.009	0.059	2.17	10.9	0.062	4.52	133.5	1.33	0	WH13163141	03/09/2013	23/09/2013
E020143	3.6	0.4	34.8	-0.005	0.01	2.7	0.024	0.16	3.13	40.1	0.105	11.05	248	2	0	WH13163141	03/09/2013	23/09/2013
E020144	1.4	0.26	26.7	-0.005	0.02	2.37	0.025	0.073	1.025	25.5	0.24	6.61	138.5	1.16	0	WH13163141	03/09/2013	23/09/2013
E020145	2.1	0.24	25.6	-0.005	0.02	2.86	0.024	0.094	1.98	29.1	0.392	7.8	147.5	1.67	0	WH13163141	03/09/2013	23/09/2013
E020146	1.8	0.29	29.4	-0.005	0.02	3.19	0.025	0.094	1.98	30.5	0.108	8.41	172	1.69	0	WH13163141	03/09/2013	23/09/2013
E020147	2.7	0.24	27.6	-0.005	0.03	2.98	0.025	0.107	1.95	36.2	0.363	9.21	169	1.48	0	WH13163141	03/09/2013	23/09/2013
E020148	3.5	0.35	31.3	-0.005	0.02	3.07	0.027	0.112	3.09	36.7	0.201	10.1	219	1.76	0	WH13163141	03/09/2013	23/09/2013
E020149	2.4	0.4	36.2	-0.005	0.04	3.13	0.022	0.128	1.975	49.5	0.204	7.62	280	1.72	0	WH13163141	03/09/2013	23/09/2013
E020150	2.1	0.22	36.5	-0.005	-0.01	1.635	0.021	0.083	2.33	24.9	0.107	6.27	160.5	1.57	0	WH13163141	03/09/2013	23/09/2013

**Appendix 6**  
**Statement of Qualifications**

Jared Chipman

I Jared Chipman do hereby certify the following:

1. That I am a professional geologist registered with the Association of Professional Geoscientists of Nova Scotia (APGNS). Member # 180
2. That I am employed as a geologist by Alexco Resource Corp.
3. That I am a graduate in geology holding a BSc (Hons) from Saint Mary's University in Nova Scotia, Canada and an MSc from Queens University in Ontario, Canada.
4. That I have been practicing geology in Canada for approximately 7 years.
5. That I am a member of the Society of Economic Geologists.
6. That I was involved in the supervision of this work conducted in August of 2013.
7. That I have no interest in the property described herein, nor do I expect to receive any such interest.

Dated at Elsa, Yukon on this \_\_\_\_\_ day of \_\_\_\_\_, 2014