2013 Assessment Report

Property comprising the following Claims:

43 and Doh Fr.

Located in the:

Keno Hill Area

Mayo Mining District

Yukon Territory, Canada

N.T.S. 105M/14

UTM NAD 83, Zone 8

Easting: 489,680

Northing: 7,089,210

Prepared For:

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Dates Work Performed: August 9-10th, 2013

Date of Report: December 30th, 2013

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1.0 Summary

Seventeen soil samples were collected from the 43 and Doh Fr. Quartz claims group from the 9th to the 10th of August 2013, with some showing elevated levels of silver, lead, and zinc.

2.0 Introduction

This report summarizes work carried out on the adjoining 43 and Doh Fr. Quartz claims for Alexco Exploration Canada Corp. Seventeen soil samples were collected for the purpose of exploration assessment by Alexco Resource Corp. staff over a period from August 9-10th, 2013.

3.0 Location and Access

The 43 and Doh Fr. claims are located within the Mayo Mining District, central Yukon approximately 350 km north of Whitehorse (Figure 1). The claims lie on the south-eastern portion of Keno Hill approximately 200 metres south-west of the historic Keno 700 mine site and workings. Access to the claims is by seasonal mining roads leaving the Silver Trail Highway from Keno City. The base of operations for Alexco from which the work was carried out is Elsa, an abandoned mining town located 14 km west of Keno City on the Silver Trail Highway.

The location of both claims is shown in Figure 2. The area is covered by NTS map sheet 105M/14 with the centre of the claim block located at 489,680 East and 7,089,210 North. All coordinates are in a UTM NAD 83, Zone 8 map projection datum.

Figure 1. General location of the 43 and Doh Fr. Quartz claims, Yukon Territory.

4.0 Claim Status

Both the 43 claim and the Doh Fraction claim are active. The claims were originally staked in 2004 and 2007 respectively and prior to the current work had an expiry date of December 31st, 2013. Previous exploration assessment work on 43 and Doh Fraction claims was completed by Alexco Resource Corp. staff dated November 13, 2009. In addition to this work three other reports (Lippoth, 2009; Moraal, 2005a; Moraal, 2005b) have been filed with the Yukon Government, Energy, Mines, and Resources branch. These are available online and referenced below.

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.

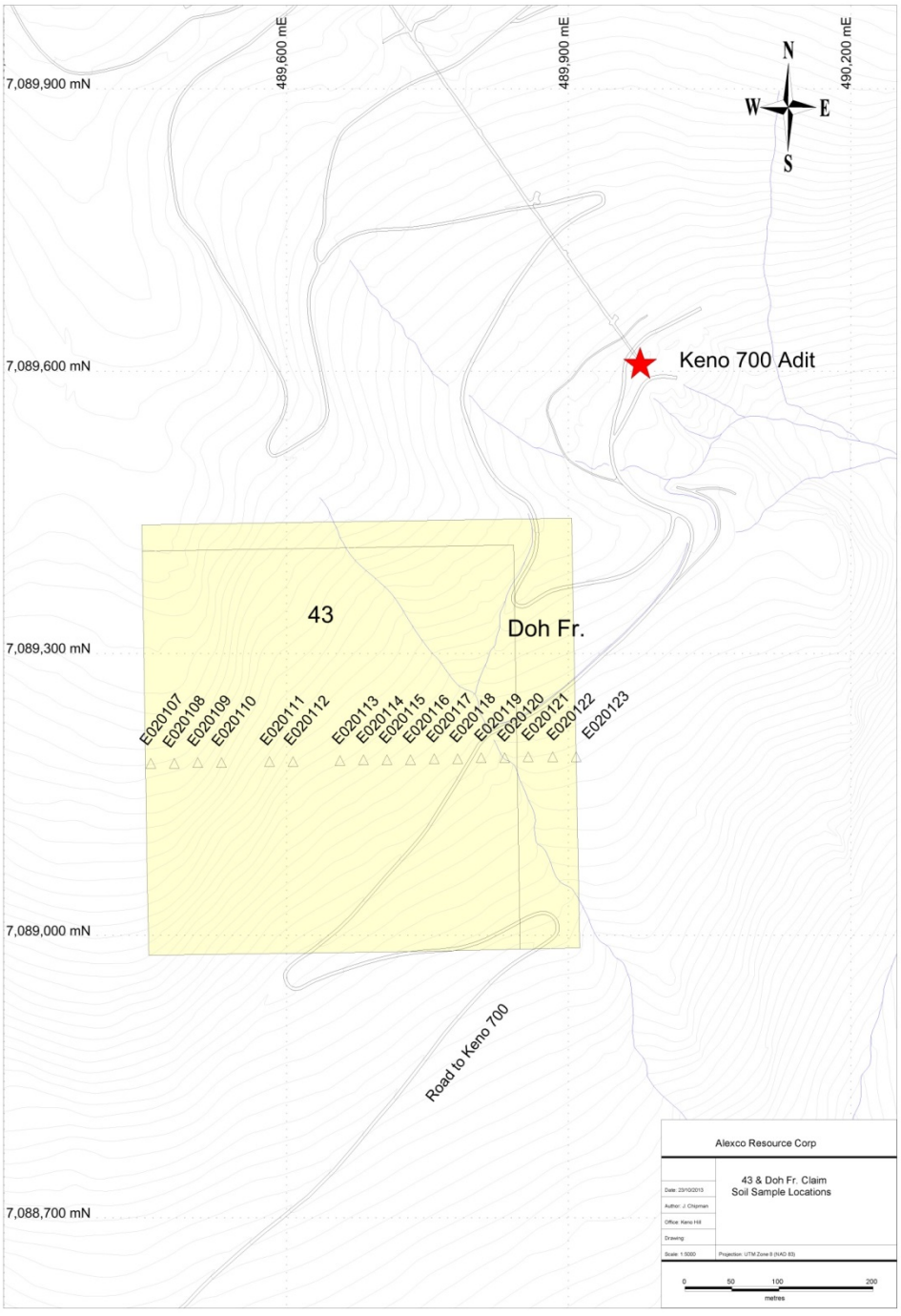

Figure 2. Location of the 43 and Doh Fr. Quartz claims and soil samples from 2013 work.

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

Much of the 43 and Doh Fr. Claims are covered by talus and vegetation with little outcrop apart from that exposed in road cuts. District scale mapping (McOnie and Read, 2009) indicates the claim blocks to be located near the stratigraphic base of the Keno Hill Basal Quartzite Member (MKg) to the underlying Earn Group schist that comprises predominantly dark grey graphitic schist (DEg) with a distinctive silvery green sericite-chlorite schist unit (DEc).

The claim group is located just south-east of the Keno 700 adit (Figure 3) which accesses numerous sets of past producing silver, lead, zinc, and gold veins including the number 3,6,9, and 18 past producing veins.

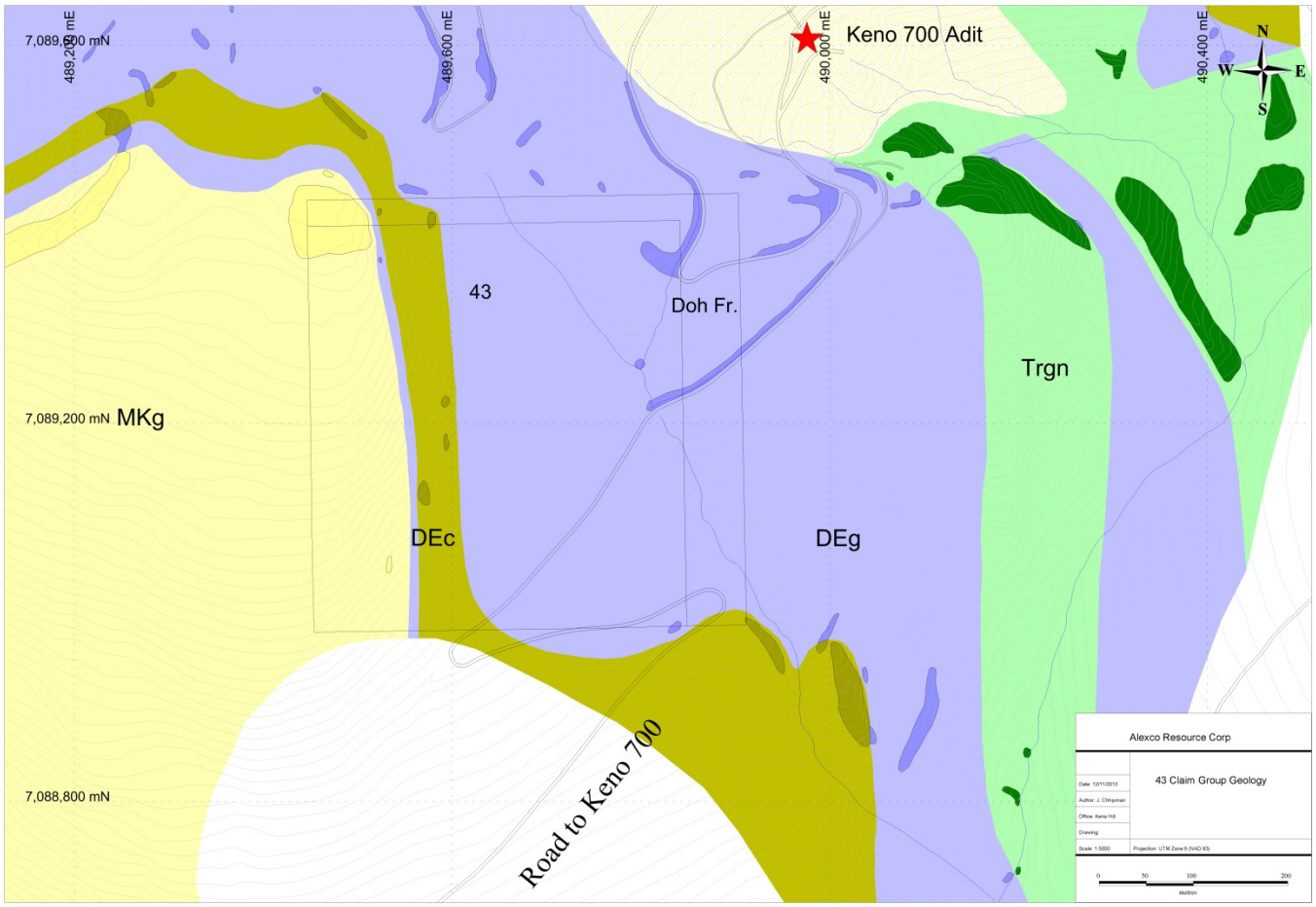

Figure 3. Local geology underlying the 43 and Doh Fr. Quartz claims. Geology from McOnie & Read, 2009. For legend see Figure 4.

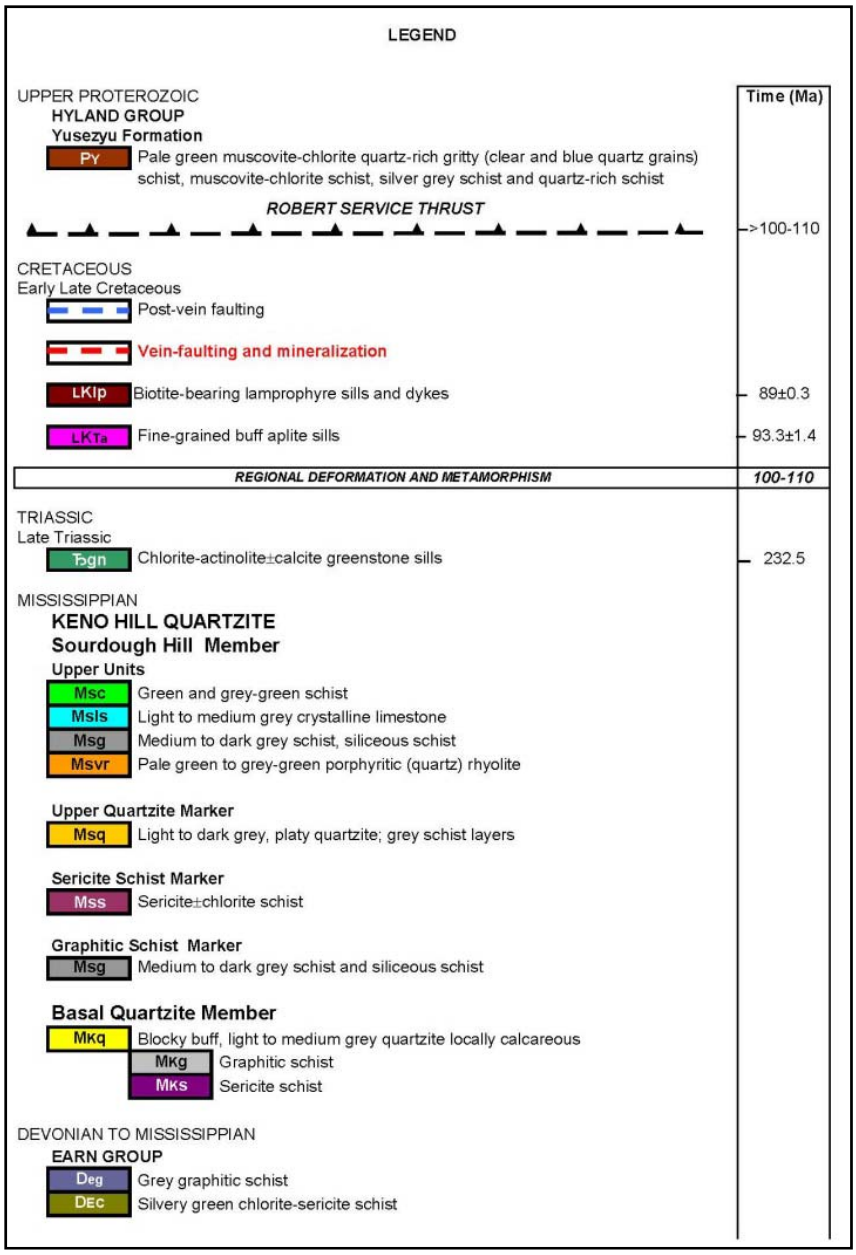

Figure 4. District Stratigraphy and legend for the Keno Hill District (McOnie & Read, 2009).

7.0 Soil Assessment and Results

One single line of soil samples was collected across both claims (Figure 2 and 5). In total seventeen 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 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 in North Vancouver, BC.

A copy of results from certificate WH13163141 (finalized on the 23rd 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

Four anomalous silver values, one with a corresponding anomalous lead and zinc value were obtained. Table 1 shows the range of geochemical values received with maximum anomalous values of silver (6.87 ppm), lead (464 ppm), and zinc (353 ppm) highlighted.

The location of the samples is shown in Figure 2 with a map highlighting anomalous silver, lead, and zinc values shown in Figure 5.

Table 1. Range of Geochemical Values for the 43 and Doh Fr. Soil Survey.

Element	Minimum	Maximum	Mean	SD	Percentile25	Percentile50	Percentile75	Percentile90
Au_ME_MS41L_ppm	0.00	0.03	0.01	0.01	0.00	0.00	0.01	0.01
Ag_ME_MS41L_ppm	0.10	6.87	0.91	1.58	0.20	0.44	0.93	1.16
Al_ME_MS41L_pct	0.58	1.87	1.24	0.35	0.97	1.26	1.47	1.59
As_ME_MS41L_ppm	13.00	72.50	30.89	21.26	16.85	20.60	38.70	71.90
B_ME_MS41L_ppm	-10.00	-10.00	-10.00	0.00	-10.00	-10.00	-10.00	-10.00
Ba_ME_MS41L_ppm	84.80	546.00	145.19	117.79	91.10	100.50	113.00	233.40
Be_ME_MS41L_ppm	0.16	0.51	0.38	0.11	0.31	0.41	0.47	0.48
Bi_ME_MS41L_ppm	0.13	0.40	0.24	0.08	0.20	0.21	0.26	0.34
Ca_ME_MS41L_pct	0.02	0.30	0.11	0.06	0.08	0.09	0.13	0.17
Cd_ME_MS41L_ppm	0.23	3.65	0.80	0.83	0.38	0.56	0.75	1.41
Ce_ME_MS41L_ppm	14.00	48.20	27.28	7.38	24.50	26.10	28.90	33.04
Co_ME_MS41L_ppm	5.40	22.50	13.15	5.47	7.88	12.65	17.25	19.48
Cr_ME_MS41L_ppm	12.60	30.40	21.38	4.54	19.05	20.40	24.00	26.02
Cs_ME_MS41L_ppm	0.59	2.33	1.33	0.50	1.01	1.36	1.68	2.04
Cu_ME_MS41L_ppm	16.30	53.30	28.20	9.81	22.60	25.70	36.40	38.66
Fe_ME_MS41L_pct	2.08	4.32	3.07	0.61	2.70	3.01	3.42	3.81
Ga_ME_MS41L_ppm	2.58	4.96	3.71	0.79	3.21	3.64	4.19	4.85
Ge_ME_MS41L_ppm	0.01	0.05	0.03	0.01	0.02	0.03	0.04	0.05
Hf_ME_MS41L_ppm	0.01	0.04	0.02	0.01	0.01	0.02	0.03	0.04
Hg_ME_MS41L_ppm	0.05	0.14	0.08	0.03	0.06	0.07	0.11	0.13
In_ME_MS41L_ppm	0.01	0.03	0.02	0.01	0.02	0.02	0.02	0.03
K_ME_MS41L_pct	0.03	0.05	0.04	0.01	0.04	0.04	0.04	0.05
La_ME_MS41L_ppm	7.83	24.50	14.17	3.67	12.60	13.60	15.10	17.51
Li_ME_MS41L_ppm	2.80	20.30	13.38	5.24	11.80	14.50	16.90	19.04
Mg_ME_MS41L_pct	0.09	0.53	0.31	0.14	0.17	0.32	0.43	0.47
Mn_ME_MS41L_ppm	195.00	1220.00	594.26	344.46	303.00	527.00	848.00	1081.00

Mo_ME_MS41L_ppm	1.04	15.35	6.01	3.97	2.82	5.27	8.05	10.27
Na_ME_MS41L_pct	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.01
Nb_ME_MS41L_ppm	0.13	1.22	0.39	0.30	0.17	0.24	0.50	0.77
Ni_ME_MS41L_ppm	15.55	48.20	29.11	10.14	19.85	27.60	35.60	43.48
P_ME_MS41L_pct	0.04	0.18	0.10	0.04	0.08	0.11	0.12	0.14
Pb_ME_MS41L_ppm	8.62	464.00	47.34	108.54	16.15	17.60	19.55	58.42
Pd_ME_MS41L_ppm	0.00	0.00	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	3.33	8.67	5.57	1.71	4.13	5.25	6.57	7.98
Re_ME_MS41L_ppm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
S_ME_MS41L_pct	0.01	0.07	0.03	0.02	0.02	0.03	0.05	0.05
Sb_ME_MS41L_ppm	0.92	11.40	2.57	2.54	1.08	1.58	3.25	3.92
Sc_ME_MS41L_ppm	0.14	2.35	1.14	0.65	0.58	1.06	1.52	2.00
Se_ME_MS41L_ppm	0.50	2.50	1.26	0.56	0.90	1.30	1.50	1.90
Sn_ME_MS41L_ppm	0.15	0.52	0.32	0.11	0.22	0.32	0.39	0.47
Sr_ME_MS41L_ppm	7.79	26.20	12.61	4.47	10.35	11.40	13.60	16.66
Ta_ME_MS41L_ppm	-0.01	0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01
Te_ME_MS41L_ppm	0.01	0.10	0.05	0.02	0.04	0.04	0.05	0.07
Th_ME_MS41L_ppm	0.06	2.67	1.02	0.82	0.43	0.91	1.57	2.20
Ti_ME_MS41L_pct	0.00	0.04	0.02	0.01	0.01	0.01	0.02	0.04
Tl_ME_MS41L_ppm	0.05	0.15	0.08	0.02	0.07	0.07	0.09	0.11
U_ME_MS41L_ppm	0.53	2.43	1.18	0.47	0.91	1.05	1.44	1.61
V_ME_MS41L_ppm	21.20	55.20	33.49	10.50	22.00	33.00	40.70	45.34
W_ME_MS41L_ppm	0.11	0.45	0.19	0.11	0.13	0.16	0.16	0.38
Y_ME_MS41L_ppm	2.62	11.55	5.67	2.33	4.14	5.48	7.09	7.95
Zn_ME_MS41L_ppm	52.70	353.00	108.18	70.82	59.80	87.30	139.00	141.20
Zr_ME_MS41L_ppm	0.13	1.35	0.65	0.42	0.36	0.47	0.96	1.26

8.0 Conclusions and Recommendations

The anomalous silver/ lead/zinc value was taken from material close to a small stream and may reflect transported material. Although only three other samples returned anomalous silver results it is still encouraging as much of the claim group is covered with thick vegetation, sand, gravel, and talus with poorly developed soils.

Further work is recommended to determine if any structures exist under the anomalous areas or if they may be related to the south-west extension of veins from the nearby Keno-700 mine.

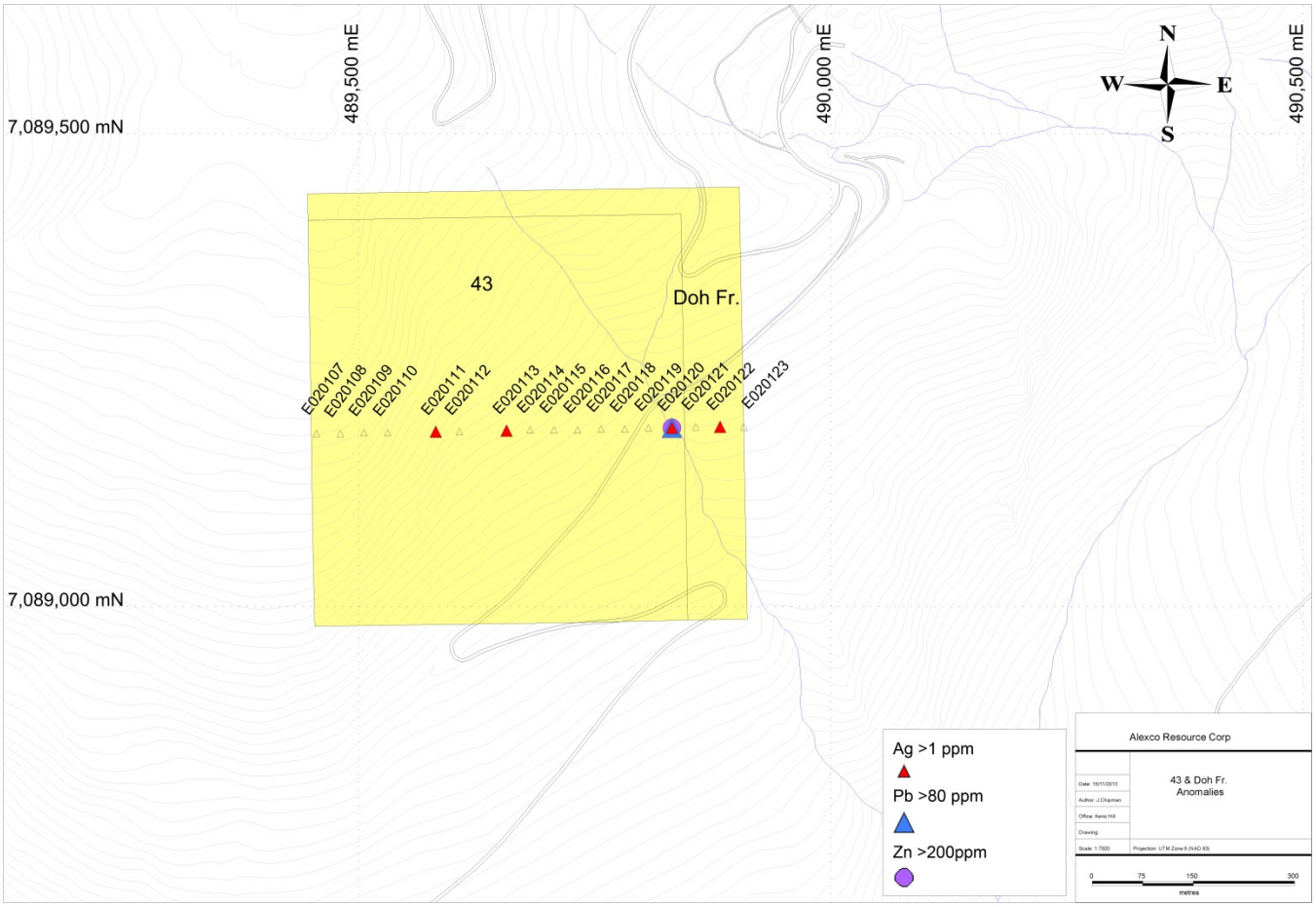

Figure 5. Highlighted symbols show anomalous silver, lead, and zinc results from the line of samples taken across the claim group.

9.0 List of References

Lippoth, R., 2009, 2009 soil geochemical assessment report for a portion of the Moraal property. YGS Assessment Report Reference 095649.

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.

Moraal, D., 2005a, Assessment report: 43 claim. YGS Assessment Report Reference 094976.

Moraal, D., 2005b, Prospecting and technical report: Dirkeno Group and 43 claim. YGS Assessment Report Reference YEIP 2005-003.

Appendix 1

List of claims

Quartz claim	Grant number	Drafting t	Regulation	Tenure status	Claim label	Owner name	Staking da	Recorded d	Expiry dat	District n
184947614	YC32217	Quartz	Q	Active	43	Alexco Exploration Canada Corp. - 100%	21-Aug-04	23-Aug-04	31-Dec-13	Mayo
184950439	YC57134	Quartz	Q	Active	Doh Fr.	Alexco Exploration Canada Corp. - 100%	04-Aug-07	21-Aug-07	31-Dec-13	Mayo

Appendix 2

List of Personnel

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Appendix 3

Statement of Expenditures

Quartz claim	Grant numb	Claim name	Owner	Field Staff and Reporting	Camp Overhead	Vehicles - support	Analytical	Est. Total
184947614	YC32217	43	Alexco Exploration Canada Corp.	$513.00	$158.00	$35.00	$414.00	$1,120.00
184950439	YC57134	Doh Fr.	Alexco Exploration Canada Corp.	$210.00	$70.00	$20.00	$150.00	$450.00
			Total	$723.00	$228.00	$55.00	$564.00	$1,570.00

Appendix 4

Soil Sample Descriptions

Sample_Number	East	North	Claim	Sample Depth (cm)	Horizon	Color	Silt_%	Clay_%	Organic_%	Gravel_%	Sand_%	Comments
E020107	489456	7089183	43 Group	15	A	Brown	15	15	35	15	20	Bouldery and mossy
E020108	489481	7089183	43 Group	10	A	Brown	25	15	20	15	25	Side of hill
E020109	489506	7089184	43 Group	20	A-B	Brown	25	20	20	15	20	Side of hill
E020110	489531	7089184	43 Group	20	A	Light Brown - Grey	35	15	5	20	25	Sand and gravel rich deposit between boulders
E020111	489582	7089185	43 Group	25	A	Light Brown - Grey	25	20	5	25	25	Veg., gravely sample beneath moss and boulders
E020112	489607	7089185	43 Group	25	A	Brown	20	25	15	20	20	Minor soil between boulders
E020113	489657	7089186	43 Group	35	A	Brown	7	8	55	20	10	Minor soil between boulders
E020114	489682	7089187	43 Group	10	A-B	Grey-Brown	25	35	20	10	10	Mossy area between trees and boulders
E020115	489707	7089187	43 Group	20	A-B	Grey-Brown	20	30	35	10	5	Mossy area between trees and boulders
E020116	489732	7089187	43 Group	15	A	Brown	15	15	40	20	10	High veg. between boulders
E020117	489757	7089188	43 Group	20	A-B	Brown-Grey	25	30	20	15	10	High veg.
E020118	489782	7089188	43 Group	25	A-B	Brown-Grey	35	25	15	15	10	High veg. below road, roots, rocky
E020119	489807	7089189	43 Group	10	A-B	Brown-Grey	20	35	15	15	15	High veg. below road, roots, rocky
E020120	489832	7089189	43 Group	15	B	Brown-Grey	35	25	10	15	15	Washed out depression, high vegetation alluvial seds.
E020121	489857	7089190	43 Group	25	B	Brown-Grey	30	20	10	20	20	Side of hill under willows
E020122	489883	7089190	43 Group	20	B	Brown-Grey	30	25	10	20	15	Bare area between willows alluvial? Possible side of old track
E020123	489908	7089190	43 Group	20	A-B	Brown	30	25	5	20	20	Bare area between willows alluvial? Possible side of old track

Appendix 5

Soil Sample Assays

Sample_Number	Wt_WEI 21_kg	Au_ME_ MS41L_p	Ag_ME_ MS41L_p	Al_ME_M S41L_pct	As_ME_ MS41L_p	B_ME_M S41L_pp	Ba_ME_ MS41L_p	Be_ME_ MS41L_p	Bi_ME_M S41L_pp	Ca_ME_ MS41L_p	Cd_ME_ MS41L_p	Ce_ME_ MS41L_p	Co_ME_ MS41L_p	Cr_ME_M S41L_pp	Cs_ME_ MS41L_p	Cu_ME_ MS41L_p	Fe_ME_ MS41L_p	Ga_ME_ MS41L_p	Ge_ME_ MS41L_p
E020107	0.42	0.0019	0.115	1.43	13.6	-10	105.5	0.51	0.132	0.09	0.504	24.2	11.15	24.1	0.589	16.3	2.25	3.26	0.015
E020108	0.34	0.0014	0.1	1.42	13.05	-10	91.1	0.44	0.136	0.09	0.361	28.2	9.73	24	0.693	16.8	2.33	3.64	0.023
E020109	0.31	0.0018	0.196	1.87	13	-10	90.5	0.47	0.195	0.07	0.292	24.5	7.88	28.3	1.005	17.55	2.79	4.94	0.013
E020110	0.39	0.0068	0.863	1.63	18.05	-10	93.3	0.49	0.245	0.08	0.447	27.8	18.8	30.4	1.705	25.7	3.01	4.79	0.031
E020111	0.38	0.0041	1.055	0.92	30.9	-10	110	0.31	0.199	0.11	0.71	24.8	20.5	19.95	2.05	24.2	2.91	2.6	0.039
E020112	0.42	0.032	0.931	0.97	38.7	-10	546	0.33	0.27	0.08	0.566	25	16.65	20.3	1.675	39.2	3.84	2.94	0.044
E020113	0.16	0.0048	1.185	0.58	39.4	-10	318	0.16	0.198	0.05	0.558	14	5.62	13.35	2.04	26.8	2.7	2.58	0.018
E020114	0.2	0.0095	0.672	0.81	72.5	-10	157.5	0.22	0.294	0.02	0.377	17.1	6.58	19.05	2.33	37.6	3.41	2.95	0.026
E020115	0.27	0.0026	0.267	1.26	29.2	-10	107.5	0.46	0.258	0.17	0.754	48.2	13.9	18.8	1.035	36.4	3.79	3.28	0.046
E020116	0.15	0.001	0.436	0.73	18.4	-10	177	0.27	0.201	0.09	1.815	23.1	18.6	12.6	1.02	22.6	2.08	3.51	0.015
E020117	0.3	0.0017	0.161	1.11	15.95	-10	97.7	0.22	0.185	0.11	0.227	28	5.4	20.4	0.843	21.5	2.48	3.89	0.026
E020118	0.3	0.0021	0.315	1.26	20.1	-10	95	0.35	0.255	0.11	0.374	32.7	7.49	24	1.07	25.8	3.03	4.77	0.03
E020119	0.21	0.0022	0.331	1.52	16.85	-10	100.5	0.47	0.196	0.13	0.555	25	12.65	23.2	0.899	23.8	3	3.83	0.026
E020120	0.21	0.0085	6.87	1.21	71.9	-10	90.4	0.47	0.399	0.3	3.65	32.8	22.5	19	1.455	53.3	4.32	3.21	0.049
E020121	0.24	0.0014	0.142	1.56	20.6	-10	90.4	0.41	0.242	0.08	0.393	26.1	12.55	24.5	1.355	24	3.43	4.96	0.038
E020122	0.23	0.005	1.135	1.26	71.9	-10	113	0.4	0.401	0.13	1.145	28.9	16.3	19.75	1.465	38.3	3.36	4.19	0.047
E020123	0.3	0.0025	0.657	1.47	21	-10	84.8	0.43	0.213	0.17	0.818	33.4	17.25	21.7	1.44	29.6	3.42	3.8	0.052

Hf_ME_ MS41L_p	Hg_ME_ MS41L_p	In_ME_M S41L_pp	K_ME_M S41L_pct	La_ME_ MS41L_p	Li_ME_M S41L_pp	Mg_ME_ MS41L_p	Mn_ME_ MS41L_p	Mo_ME_ MS41L_p	Na_ME_ MS41L_p	Nb_ME_ MS41L_p	Ni_ME_M S41L_pp	P_ME_M S41L_pct	Pb_ME_ MS41L_p	Pd_ME_ MS41L_p	Pt_ME_M S41L_pp	Rb_ME_ MS41L_p	Re_ME_ MS41L_p	S_ME_MS 41L_pct	Sb_ME_ MS41L_p
0.011	0.045	0.015	0.03	11.4	12.6	0.32	307	1.04	0.006	0.714	19.85	0.039	8.62	0.001	-0.002	4.73	-0.001	0.03	1.05
0.042	0.047	0.017	0.04	13.1	14.5	0.31	303	1.12	0.004	0.86	19.65	0.041	8.97	0.001	-0.002	5.58	-0.001	0.02	0.917
0.03	0.059	0.023	0.03	11.9	17.5	0.3	195	1.51	0.006	1.215	18.65	0.043	11.05	0.001	-0.002	5.25	-0.001	0.02	1
0.008	0.097	0.025	0.05	13.65	19.4	0.3	892	2.21	0.004	0.507	27.6	0.084	16.7	-0.001	-0.002	8.67	-0.001	0.04	1.225
0.018	0.108	0.017	0.03	13.3	12.2	0.17	848	2.82	0.004	0.238	48.2	0.115	17.95	0.003	-0.002	3.54	-0.001	0.03	2.87
0.04	0.138	0.034	0.03	13.75	9.4	0.15	583	7.99	0.005	0.217	41	0.133	19.25	0.002	-0.002	3.33	-0.001	0.05	3.74
0.006	0.135	0.016	0.04	7.83	3.7	0.09	199.5	9.07	0.005	0.169	23.5	0.11	16.2	-0.001	-0.002	4.13	-0.001	0.07	2.5
0.017	0.107	0.027	0.04	10.15	6.9	0.14	454	15.35	0.005	0.126	33.9	0.105	19.55	0.004	-0.002	3.42	-0.001	0.05	3.82
0.029	0.087	0.026	0.04	24.5	18.8	0.53	689	9.69	0.002	0.147	34	0.148	18.2	0.002	-0.002	4.06	-0.001	0.02	1.575
0.006	0.059	0.007	0.04	12.6	2.8	0.1	1105	5.15	0.005	0.175	15.55	0.123	17.6	-0.001	-0.002	5.17	-0.001	0.06	1.28
0.008	0.049	0.01	0.04	15.1	12.2	0.38	211	4.17	0.003	0.385	18.15	0.069	9.82	0.001	-0.002	5.43	-0.001	0.02	1.065
0.008	0.074	0.021	0.05	17.9	15.1	0.43	216	5.27	0.01	0.197	24.1	0.088	16.15	0.002	-0.002	7.37	-0.001	0.04	1.075
0.037	0.073	0.017	0.04	12.85	16.8	0.44	527	3.82	0.007	0.496	24	0.108	22.7	0.002	-0.002	6.34	-0.001	0.03	1.185
0.021	0.128	0.023	0.04	16.95	16.6	0.47	1220	11.15	0.009	0.162	47.2	0.179	464	0.004	-0.002	4.99	-0.001	0.05	11.4
0.014	0.049	0.018	0.04	13.6	16.9	0.37	470	5.73	0.005	0.371	27.9	0.098	16.8	0.002	-0.002	7.64	-0.001	0.02	3.25
0.015	0.072	0.021	0.05	15	11.8	0.33	818	8.03	0.005	0.148	35.6	0.14	71.8	0.002	-0.002	8.49	-0.001	0.03	4.06
0.022	0.078	0.017	0.04	17.25	20.3	0.47	1065	8.05	0.003	0.458	36.1	0.113	49.5	-0.001	-0.002	6.57	-0.001	0.01	1.665

Sc_ME_MS41L_pp	Se_ME_MS41L_p	Sn_ME_MS41L_p	Sr_ME_MS41L_pp	Ta_ME_MS41L_p	Te_ME_MS41L_p	Th_ME_MS41L_p	Ti_ME_MS41L_pct	Tl_ME_MS41L_pp	U_ME_MS41L_pp	V_ME_MS41L_pp	W_ME_MS41L_pp	Y_ME_MS41L_pp	Zn_ME_MS41L_p	Zr_ME_MS41L_pp	Ag_Ag_OG46_ppm	Certificate	Date_Received	Date_Finalized
1.645	0.5	0.33	9.42	-0.005	0.01	0.913	0.039	0.069	0.531	42.5	0.422	2.84	57.9	0.39	0	WH13163141	03/09/2013	23/09/2013
2.35	0.5	0.29	9.03	-0.005	0.04	2.36	0.039	0.072	0.694	41.3	0.448	3.65	53.5	1.25	0	WH13163141	03/09/2013	23/09/2013
2.21	1	0.52	7.79	0.007	0.04	2.1	0.04	0.117	0.61	55.2	0.346	2.91	54	0.96	0	WH13163141	03/09/2013	23/09/2013
1.28	0.9	0.47	8.63	-0.005	0.02	0.61	0.03	0.148	0.969	49.6	0.268	4.4	86.2	0.29	0	WH13163141	03/09/2013	23/09/2013
1.52	1.7	0.22	10.95	-0.005	0.04	1.82	0.013	0.095	1.695	22	0.157	7.09	141.5	0.65	0	WH13163141	03/09/2013	23/09/2013
0.982	2.5	0.17	12.95	-0.005	0.1	1.195	0.009	0.065	2.43	21.3	0.146	5.33	139.5	1.35	0	WH13163141	03/09/2013	23/09/2013
0.433	1.1	0.22	10.35	-0.005	0.08	0.142	0.007	0.066	1.325	22	0.159	2.62	87.3	0.15	0	WH13163141	03/09/2013	23/09/2013
0.58	1.5	0.15	11.4	-0.005	0.07	0.494	0.004	0.09	1.55	21.8	0.119	5.91	101.5	0.47	0	WH13163141	03/09/2013	23/09/2013
1.195	1.2	0.16	14.8	-0.005	0.04	1.57	0.008	0.048	1.3	21.2	0.108	7.9	109.5	1.05	0	WH13163141	03/09/2013	23/09/2013
0.14	0.8	0.39	11.5	-0.005	0.06	0.062	0.004	0.07	1.51	31.9	0.109	6.48	52.7	0.13	0	WH13163141	03/09/2013	23/09/2013
0.843	0.5	0.29	11.1	-0.005	0.01	0.453	0.023	0.066	0.762	33	0.156	4.14	59.8	0.38	0	WH13163141	03/09/2013	23/09/2013
0.506	1.3	0.39	26.2	-0.005	0.05	0.168	0.013	0.084	0.909	40	0.132	4.42	81.2	0.22	0	WH13163141	03/09/2013	23/09/2013
1.45	1.4	0.32	13.6	-0.005	0.04	1.13	0.022	0.078	0.966	36.4	0.164	5.48	94.2	1.27	0	WH13163141	03/09/2013	23/09/2013
1.06	2.2	0.32	19.45	-0.005	0.05	0.959	0.012	0.069	1.44	24.9	0.123	11.55	353	0.95	0	WH13163141	03/09/2013	23/09/2013
0.931	1.6	0.37	10.85	-0.005	0.04	0.433	0.016	0.112	1.045	40.7	0.164	5.87	87.3	0.36	0	WH13163141	03/09/2013	23/09/2013
0.323	1.4	0.47	14.6	-0.005	0.04	0.201	0.007	0.087	1.27	35.1	0.132	8.02	141	0.39	0	WH13163141	03/09/2013	23/09/2013
1.855	1.4	0.29	11.75	-0.005	0.04	2.67	0.021	0.068	1.005	30.5	0.125	7.73	139	0.83	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