



Frontispiece. Soil geochemical samplers (Kei Quinn, Kelsey Rufiange) happily battling their way up overgrown logging roads in the Hooker Creek valley, Commonwealth property, July, 2008.

BC Geological Survey
Assessment Report
30672

2008 Soil Geochemistry
on the
Commonwealth Property,

Crawford Bay-Hooker Pass Area
(NTS 094F/10)

Slocan Mining Division, Southeastern British Columbia,

for

C. J. Greig & Associates Ltd.,

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February 6, 2009

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1.0 Summary of Field Program and Results

The Commonwealth property, consists of three claims staked online with Mineral Titles Online (MTO), on May 11th, 2007. The property was staked to cover the Commonwealth lead-zinc-silver-copper B.C. MINFILE occurrence, which is along trend of several other similar mineral occurrences. In July 2008, a five person sampling crew spent one day on the property collecting a total of 128 soil geochemical samples, as well as 4 silt geochemical samples from streams on the property. The soil samples were collected along the sides of local forest service roads through the centre of the property and in close proximity to the known mineral occurrence. The samples confirmed the silver, lead and zinc potential of the property, as they returned a number coincident anomalous values, including one sample which had values of 5.5 g/t Ag and 1,980 ppm Pb.

The total cost of year 2008 exploration on the Commonwealth property was \$8,264. Further exploration is recommended, and should initially include a soil geochemical grid centred over the best reconnaissance soil geochemistry. This should help outline the trend of mineralization, and would help to focus further prospecting and geological mapping.

2.0 Location, Access, and Physiography

The Commonwealth property is located east of Kootenay Lake, approximately 45 kilometres northwest of the city of Nelson, an old mining community along Highway 3A and across Kootenay Lake. The property may also be accessed from the south from the city of Creston, which is 63 km away and which is located at the junction of Highway 3 and 3A (figs. 1 and 2). Both communities are fully serviced and are situated along the Canadian Pacific Railway. From Nelson, the property can be accessed by following Highway 3A east and taking the ferry across Kootenay Lake to the community of Crawford Bay. From there, a summer use forest service

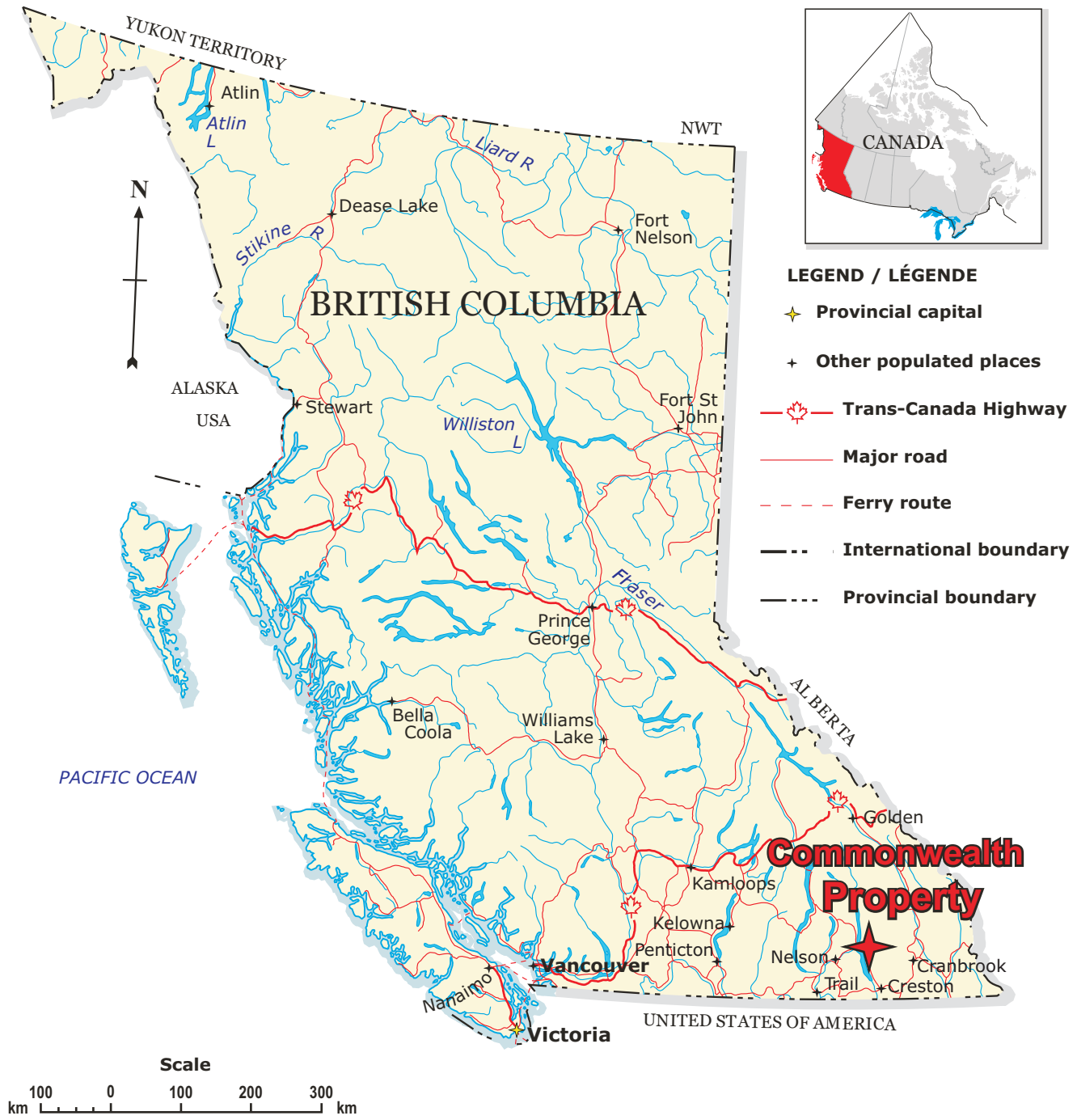


Figure 1. Location map of the Commonwealth Property, southeastern British Columbia.

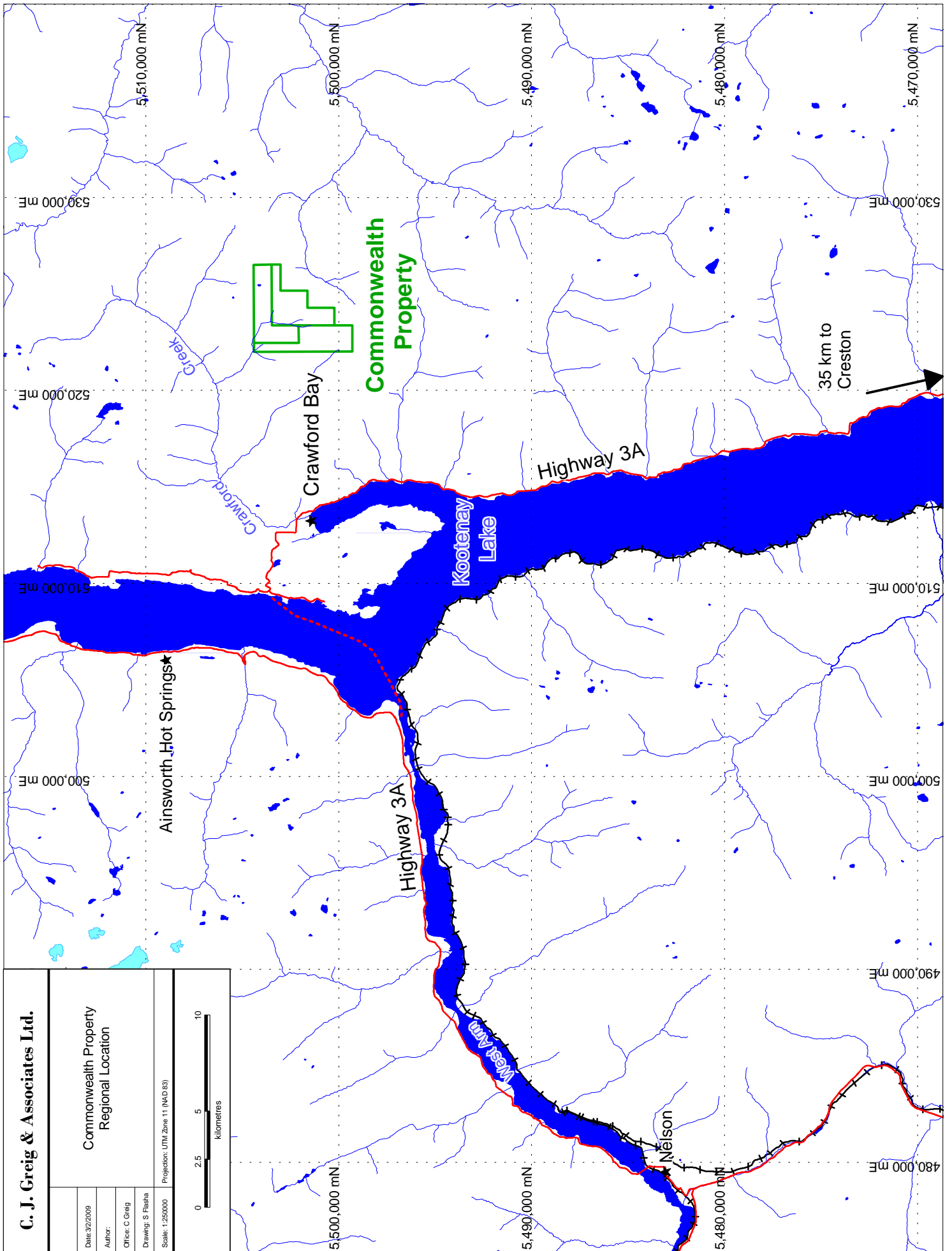


Figure 2. Location of the Commonwealth Property, southeastern British Columbia.

road can be travelled up the Crawford Creek valley. Unfortunately, the logging roads up the Hooker Creek valley to the claim area have been deactivated and are largely overgrown, so the claims were accessed on foot (figs. 2 and 3). The roads could be reactivated, however, as the roadbeds remain in good shape, and the alders which have grown up are still relatively small.

The claims sit north of the peak of Mount Hooker, in the Hooker Creek valley; these geographic features are part of the Purcell Mountain Range (fig. 3). The property is typical of the Kootenays and has a moderate to dry summer, followed by heavy snowfall which generally occurs between late October through until late April or early May. Relief on the property is 1300 metres (1300 m to 2600 m), with moderate- to steep sided creek valleys (fig. 3). Most of the property is below treeline, and bedrock exposure is quite variable.

3.0 Claims

The Commonwealth property (fig.3) consists of three claims covering a total of 1505 hectares. The tenures were staked online by Charles Greig on May 7th, 2007. The property lies within the Slocan Mining Division and is in good standing until October 8th, 2009.

4.0 Geologic Setting & Mineral Occurrences

According to geology maps available on the Ministry of Mines website, the Commonwealth property is mostly underlain by Upper Proterozoic coarse clastic sedimentary rocks of the Horsethief Group, with a small eastern portion of the claims underlain by Middle Proterozoic quartzite and quartz arenite sedimentary rocks of the Purcell Supergroup (fig. 4). The Upper Proterozoic coarse clastic rocks on the property are host to the Commonwealth Pb-Zn-Ag-Cu occurrence, as well as to several other surrounding polymetallic mineral occurrences, some of

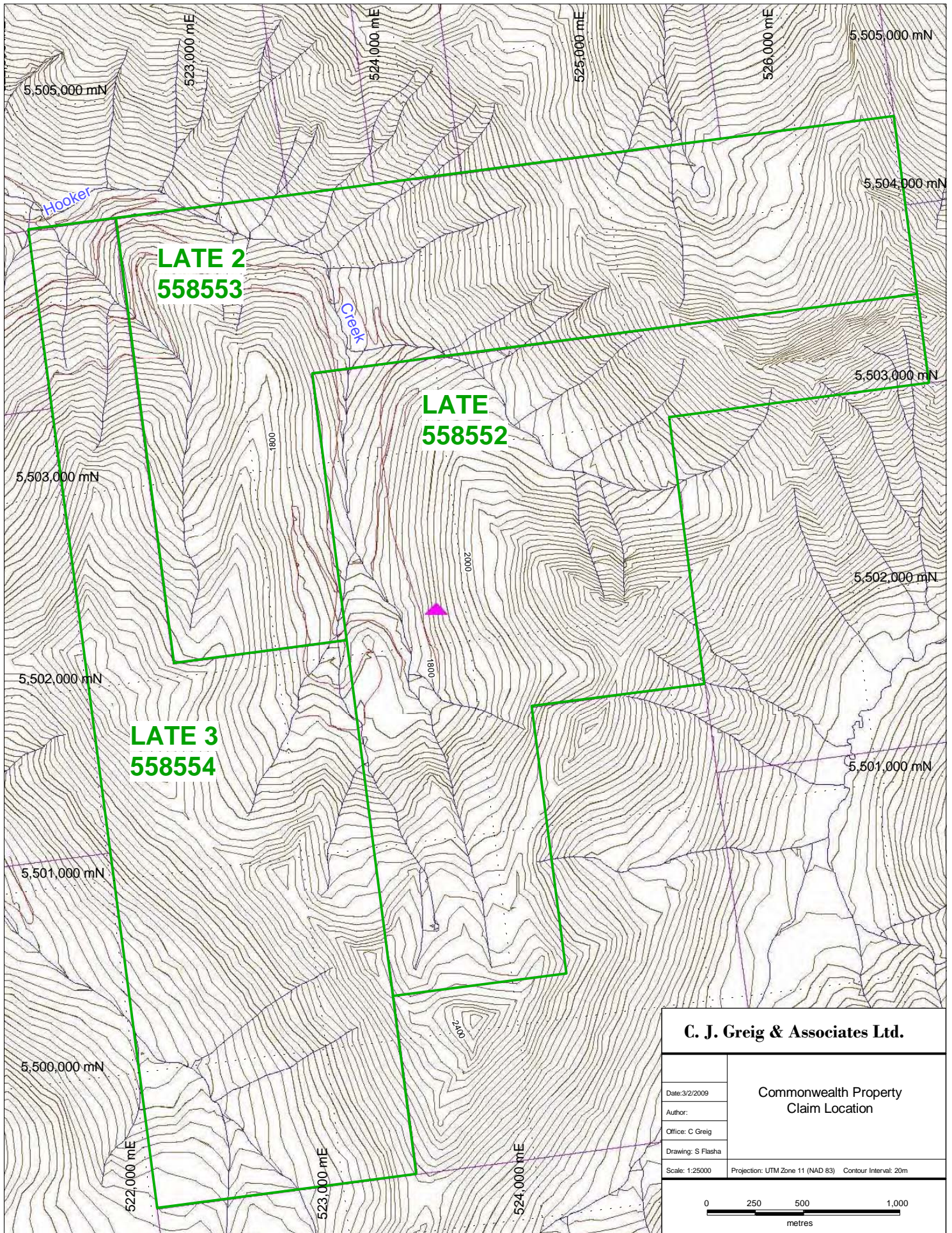


Figure 3. Commonwealth property claim location, Slokan Mining Division, southeastern British Columbia.

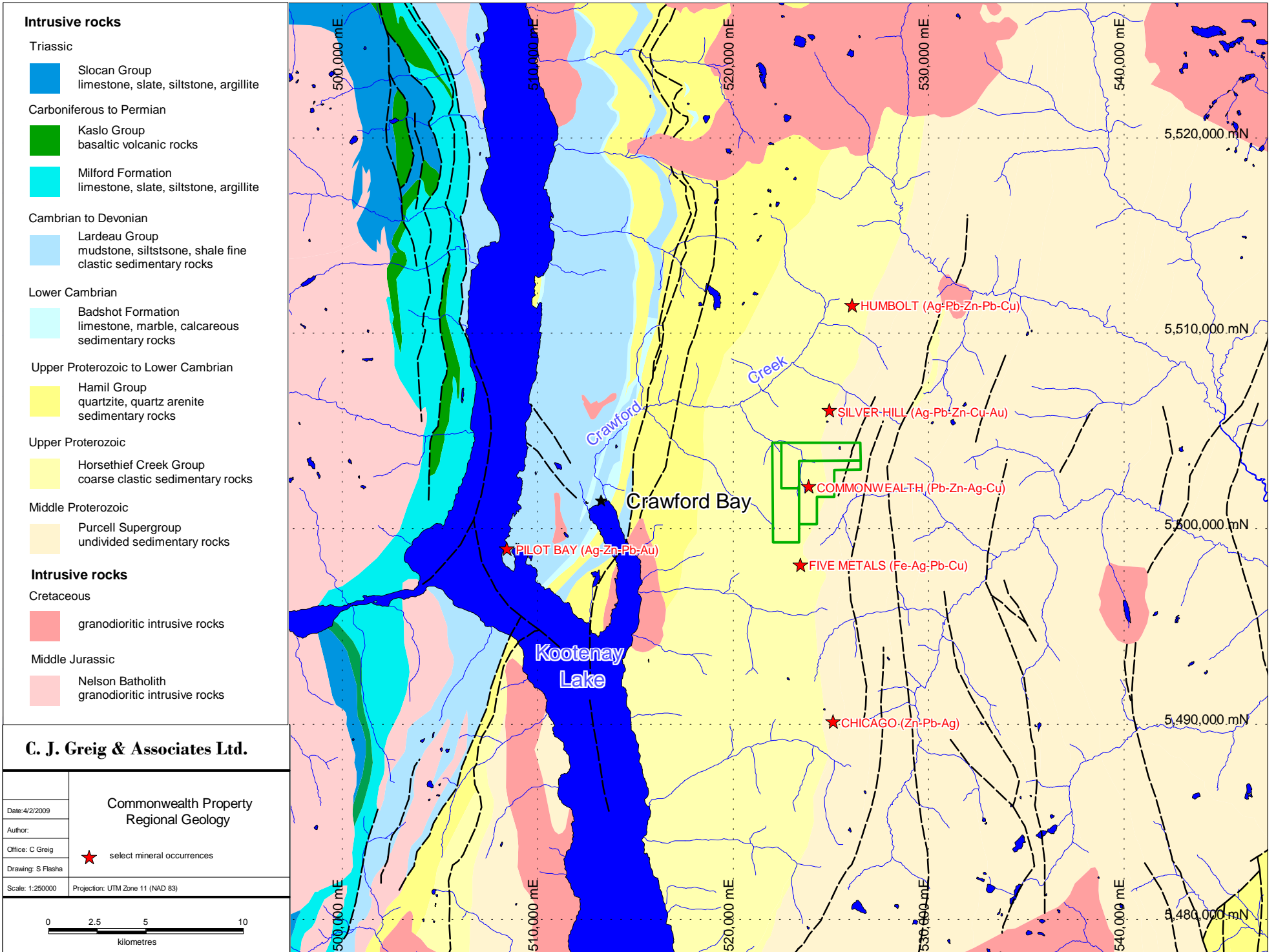


Figure 4. Regional geology, showing location of the Commonwealth property and significant mineral occurrences in southeastern British Columbia.

which have minor past production (Denny 1980, Versoza 1987). These include the Five Metals, Silver Hill, and Humbolt, all of which are aligned in a north-south direction along the contact between rocks of the Horsethief Creek Group and the Purcell Supergroup (fig. 4). The property also abuts Eagle Plains' Sphinx Molybdenum property, yet its Mo potential remains relatively underexplored. This was one of the reasons for staking the property. As Hand (1982) notes of the Commonwealth showing: "The mineralized dolomites high molybdenum content (>80 ppm up to 180 ppm in all eight samples) is related to the quartz stockwork...." Another pertinent observation is that grab samples of quartz stockwork-related mineralization at the Commonwealth showing yielded significant Ag and Au (averaging >28 ounces Ag per ton, as well as greater than 1.2 g/t Au).

5.0 Soil Geochemistry

In early July 2008, a five person crew collected 128 soil geochemical samples from forest service roads and trails central to the Commonwealth property, and proximal to the Commonwealth showing (fig. 5; Appendix I). Four stream sediment (silt) geochemical samples were also collected from drainages which were cross by the soil geochemical traverses (Appendix II). Spacing between the soil samples was typically 25 metres.

Soil geochemical sampling along the roads successfully tested the presence of the multi-element Commonwealth mineral occurrence, with most of the anomalous values occurring on the east side of Hooker Creek in the general vicinity of the mineral showing. Silver, lead, zinc, and copper all returned anomalous values, and a significant number of coincident anomalies are apparent (figs. 6-10). Around the Commonwealth mineral occurrence, soil geochemical samples returned values which ranged between 0.7 to 1.5 ppm Ag, 106 to 800 ppm Pb, 272 to 686 ppm

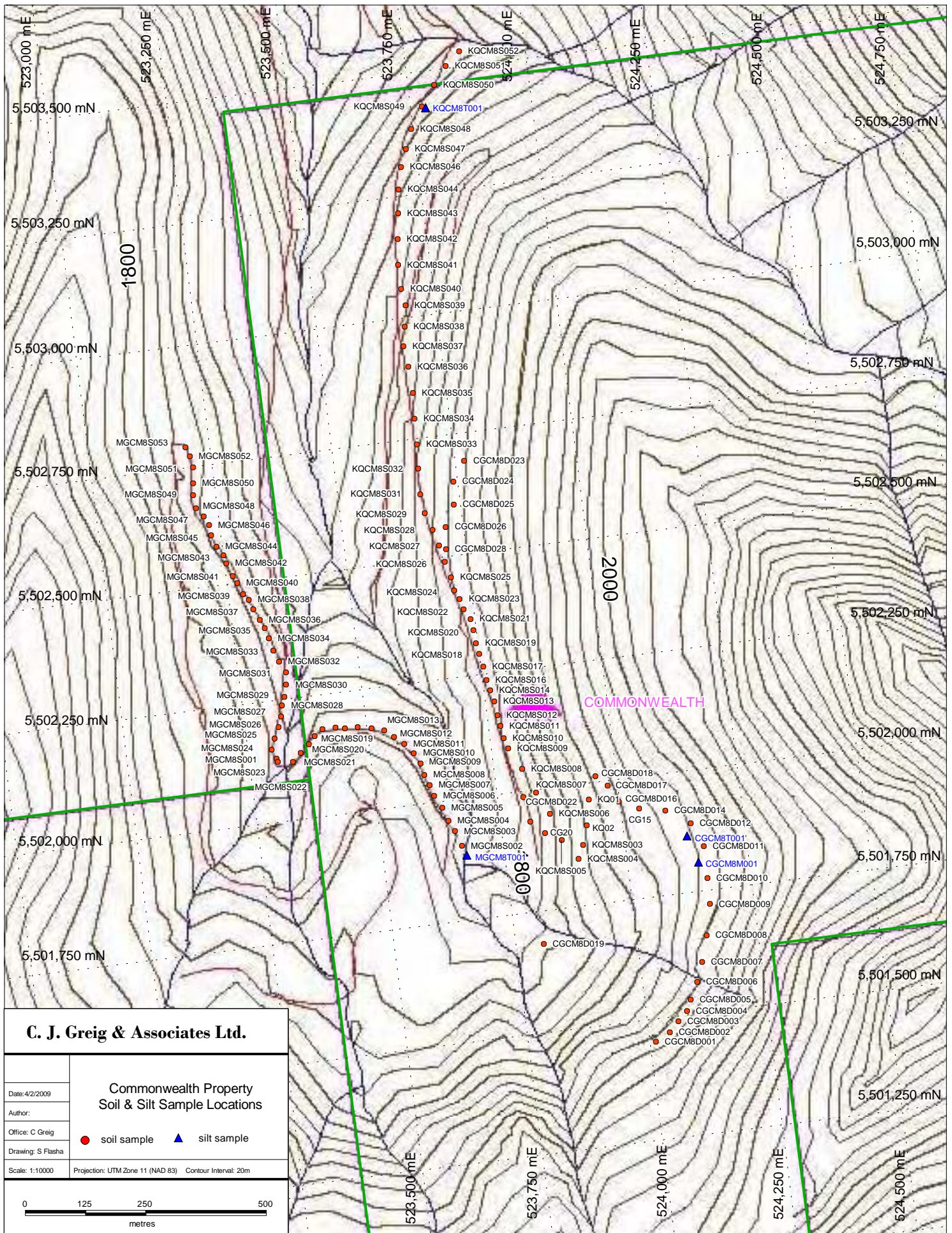


Figure 5. 2008 soil sample locations, Commonwealth property.

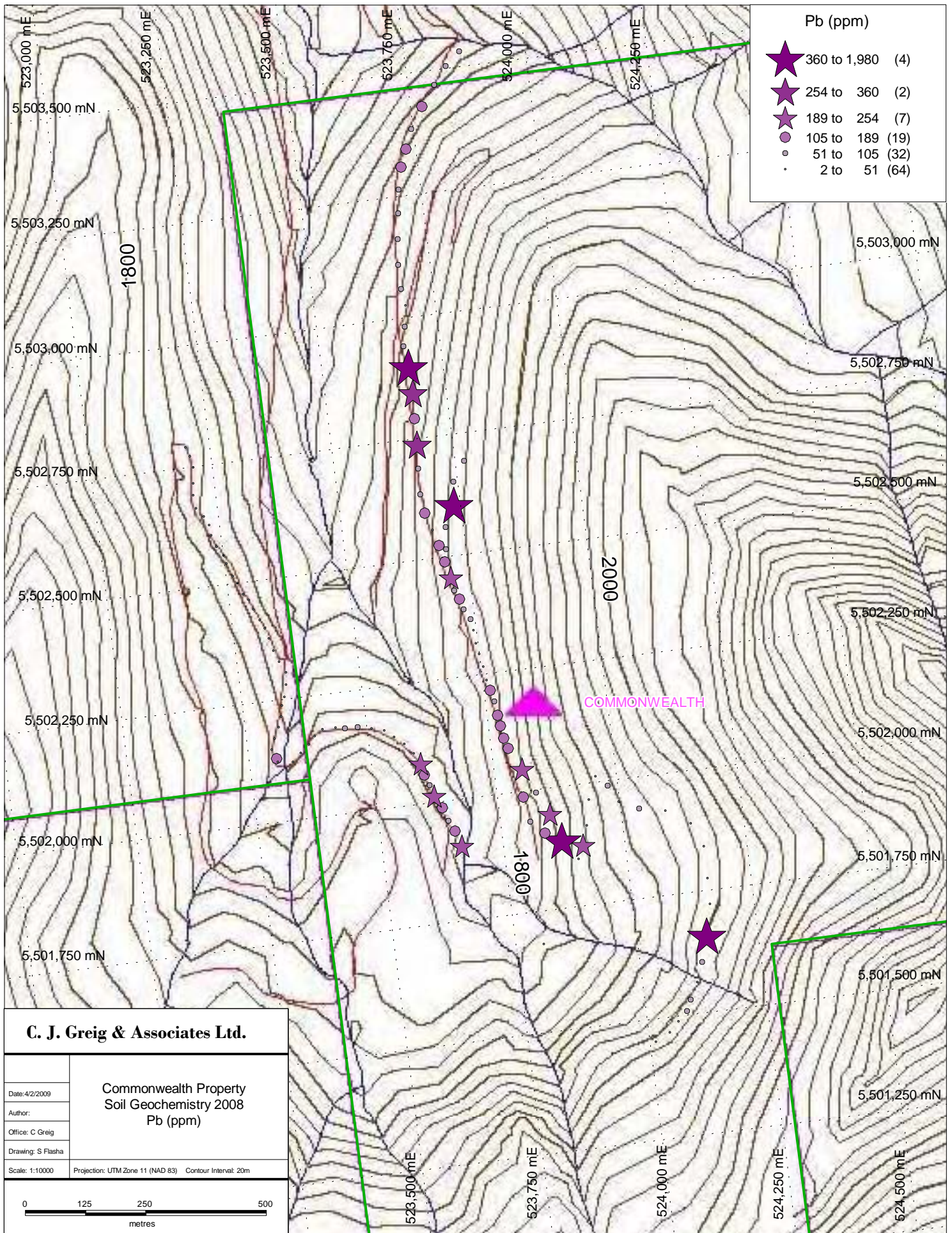


Figure 6. Lead geochemistry in soil samples, Commonwealth property.

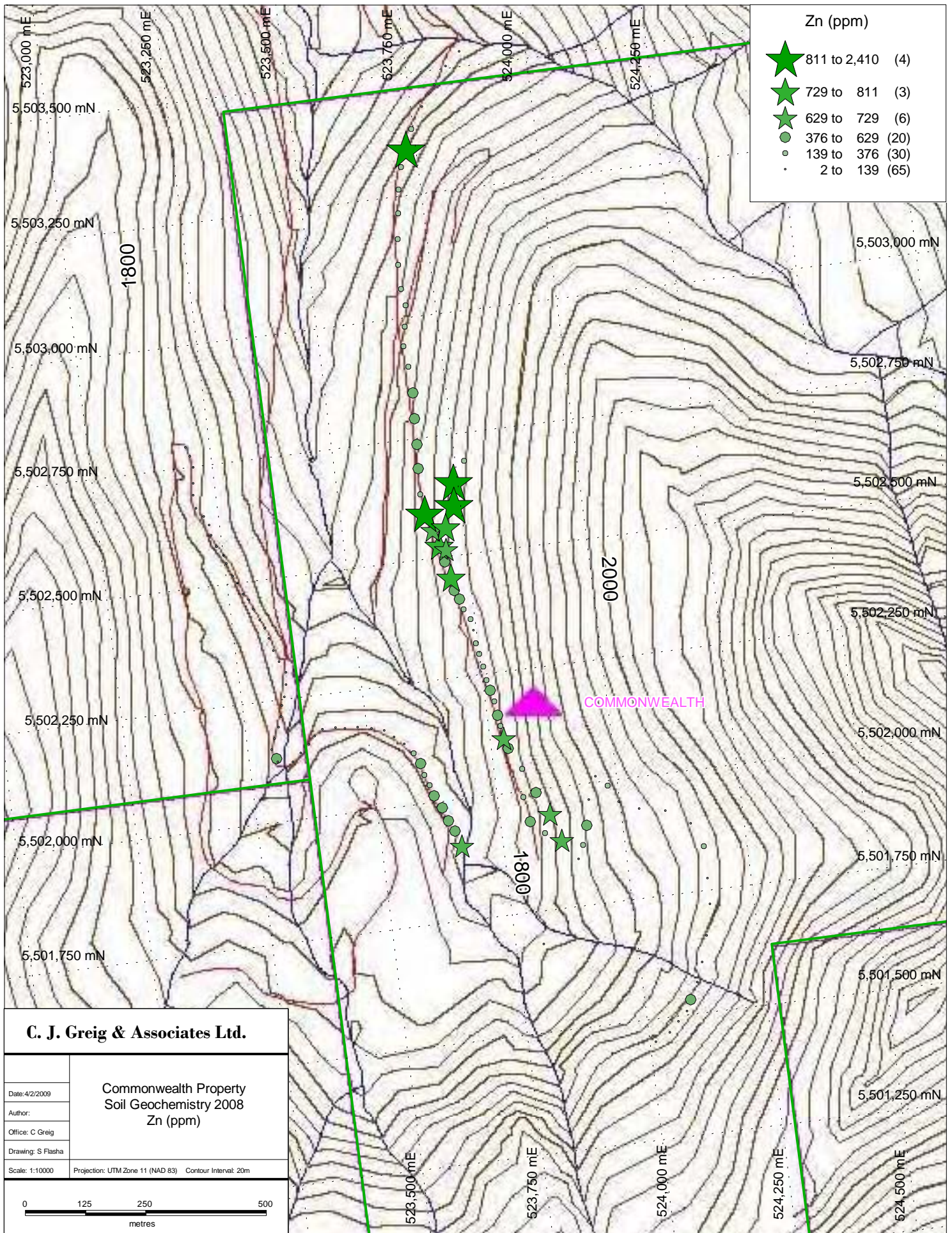


Figure 7. Zinc geochemistry in soil samples, Commonwealth property.

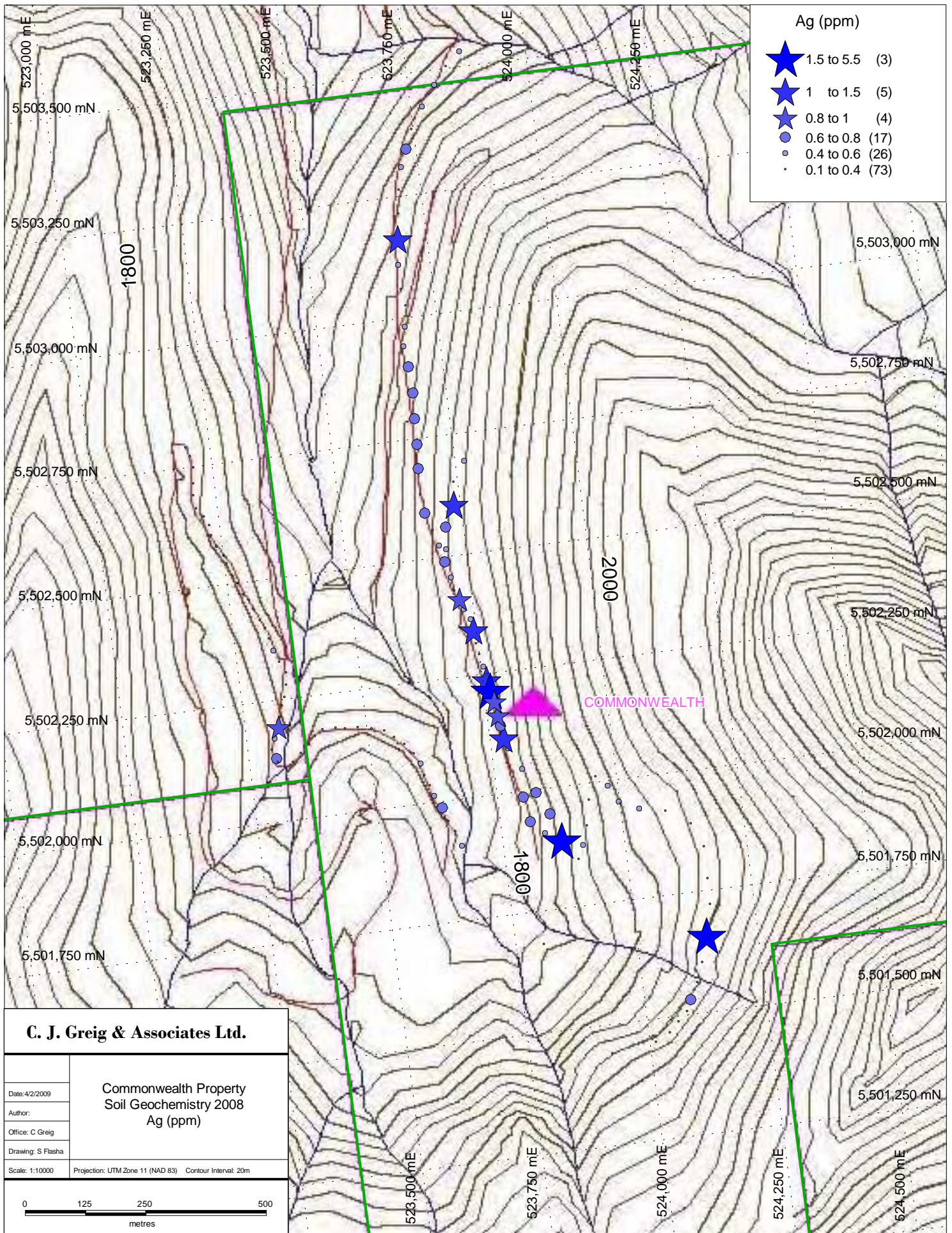


Figure 8. Silver geochemistry in soil samples, Commonwealth property.

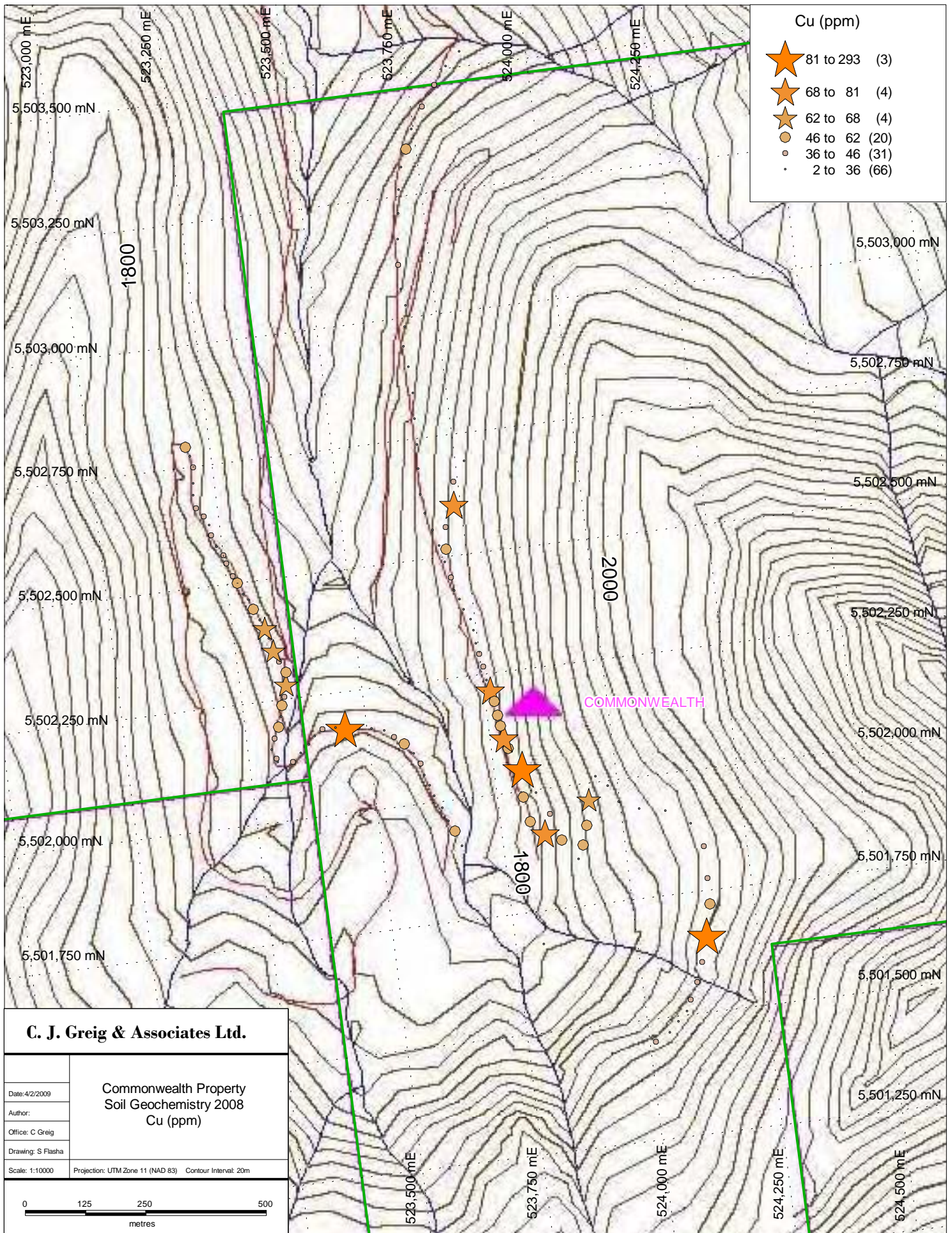


Figure 9. Copper geochemistry in soil samples, Commonwealth property.

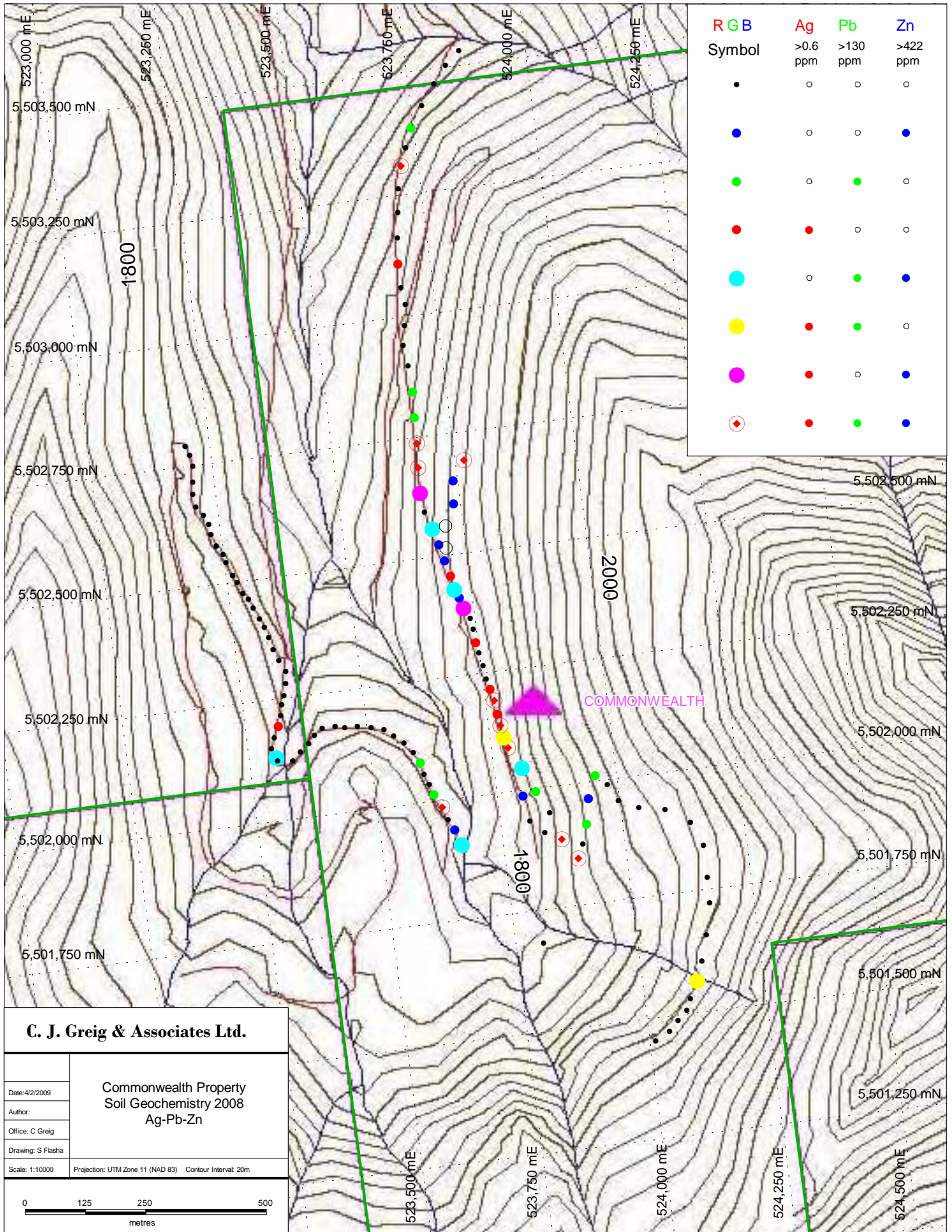


Figure 10. Multi-variable soil geochemistry, Ag-Pb-Zn, Commonwealth property.

Zn, and 53 to 82 ppm Cu. Six hundred metres southeast of the main showing a soil geochemical sample returned a value of 5.5 ppm Ag and 1,980 ppm Pb, although there are few supportive values in the immediate area.

Where possible, soil samples were collected from the B horizon, at an average depth of approximately 10 to 15 centimetres. A mattock was used to dig the holes, and the soil was placed by hand into standard Kraft paper soil sample bags that were labelled with sample numbers. Control on locations was provided by hand-held GPS, and sample sites were marked with flagging tape labelled with sample numbers. The soil samples were analyzed at ALS Chemex Laboratories in Vancouver, British Columbia. To evaluate reproducibility, 8 blank samples were collected from a common location, inserted in the sample sequence, and sent to ALS Chemex along with the samples collected from the property (Appendix III). The blank samples show very little variability, particularly in the elements of interest. Therefore, the results of the blank sampling, along with the internal lab standards, suggest that the data from ALS Chemex is generally of excellent quality.

6.0 Recommendations

The Commonwealth property has further exploration potential. Soil geochemical sampling in 2008 was successful in identifying anomalous areas, particularly for Pb-Zn-Ag mineralization, which can locally be of high grade. And although little evidence was found in the soil geochemical results for the presence of molybdenum mineralization, the work done does not constitute a complete test of its potential. Future work should initially be limited to reconnaissance grid soil geochemistry, further stream sediment sampling, prospecting, and geologic mapping.

7.0 References

- Denny, E. 1980. Geochemical, Linecutting and Prospecting Report on the Commonwealth Group. Unpublished Assessment Report, British Columbia Ministry of Energy, Mines, and Resources, 24p.
- Hand, J.S. 1982. Geological and Geochemical Assessment Report, Commonwealth Property (Hooker and Hidden Treasure Claims), Slocan Mining Division (NTS82F/10). Unpublished Assessment Report (#10463) for Greenwich Resources Inc., British Columbia Ministry of Energy, Mines, and Resources, 110p.
- Versoza, R. 1987. 1987 Geochemical and Geophysical Survey on the Hidden Treasure, Hooker and Sphinx Mineral Claims in the Crawford Creek Area, Slocan and Ft. Steele Mining Divisions, British Columbia. Unpublished Assessment Report for Rival Minerals Ltd., British Columbia Ministry of Energy, Mines, and Resources, 63p.

Appendix I. Soil Sample Locations & Geochemistry

Sample Name	Easting UTM	Northing NAD 83	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
MGCM8S001	523307	5502131	<0.005	0.6	1.58	23	<10	180	<0.5	2	0.05	0.6	12	11	36	4.26	<10	<1	0.06	10	0.26	3890	1	0.01	20	960	158	0.03	5	2	3	<20	0.04	<10	<10	19	<10	423
MGCM8S002	523665	5501904	<0.005	0.4	0.76	17	<10	150	<0.5	2	5.09	2	10	8	35	3.48	<10	<1	0.05	10	3.18	3230	<1	0.01	21	610	200	0.04	4	3	31	<20	0.02	<10	<10	11	<10	714
MGCM8S003	523654	5501936	0.005	0.3	1	22	<10	720	<0.5	2	0.65	1.3	12	8	49	4.51	<10	<1	0.04	20	0.43	5500	1	0.01	26	540	111	0.03	6	5	8	<20	0.02	<10	<10	13	<10	496
MGCM8S004	523643	5501959	<0.005	0.3	0.86	12	<10	180	<0.5	<2	3.67	1.1	14	10	33	3.72	<10	<1	0.07	10	2.29	2390	<1	0.01	30	810	97	0.02	4	4	28	<20	0.02	<10	<10	14	<10	419
MGCM8S005	523634	5501987	<0.005	0.7	1.81	15	<10	250	<0.5	2	0.14	1.4	13	11	28	5.18	<10	<1	0.05	10	0.24	5990	<1	0.01	21	1240	141	0.04	5	2	4	<20	0.03	<10	<10	20	<10	456
MGCM8S006	523621	5502014	<0.005	0.4	1.79	13	<10	220	<0.5	<2	0.09	0.8	16	15	31	4.93	<10	<1	0.07	10	0.34	3640	<1	<0.01	28	1080	239	0.02	3	3	4	<20	0.04	<10	<10	25	<10	411
MGCM8S007	523614	5502037	<0.005	0.3	1.44	30	<10	120	<0.5	3	0.07	<0.5	12	13	25	4.07	<10	<1	0.06	10	0.41	1450	<1	<0.01	22	690	98	0.02	2	2	4	<20	0.02	<10	<10	15	<10	364
MGCM8S008	523606	5502059	<0.005	0.3	1.4	27	<10	100	<0.5	2	0.04	0.5	10	11	26	4.1	<10	<1	0.05	10	0.33	1825	1	<0.01	18	620	109	0.02	4	2	2	<20	0.03	<10	<10	17	<10	341
MGCM8S009	523600	5502089	<0.005	0.5	0.68	14	<10	190	<0.5	2	8.3	1	10	6	38	4.1	<10	<1	0.04	10	5.37	4430	1	0.01	18	710	222	0.04	7	3	73	<20	0.01	<10	<10	10	<10	379
MGCM8S010	523590	5502106	<0.005	<0.2	1.34	19	<10	110	<0.5	2	0.07	<0.5	10	10	28	3.59	<10	<1	0.05	20	0.33	1670	<1	0.01	18	450	50	0.02	2	2	3	<20	0.02	<10	<10	16	<10	219
MGCM8S011	523573	5502128	<0.005	<0.2	1.03	10	<10	50	<0.5	2	0.07	<0.5	13	13	46	3.22	<10	<1	0.05	10	0.53	910	<1	0.01	20	570	39	0.03	<2	1	3	<20	0.02	<10	<10	9	<10	132
MGCM8S012	523554	5502145	<0.005	<0.2	1.11	6	<10	110	<0.5	3	0.26	<0.5	15	13	39	4.2	<10	<1	0.07	20	0.63	1420	<1	<0.01	29	680	38	0.01	<2	4	12	<20	0.02	<10	<10	9	<10	138
MGCM8S013	523535	5502161	<0.005	<0.2	1.4	6	<10	60	<0.5	2	0.13	<0.5	13	17	35	2.98	<10	<1	0.04	20	0.86	822	<1	<0.01	25	600	15	0.01	<2	2	6	<20	0.01	<10	<10	9	<10	84
MGCM8S014	523510	5502168	<0.005	<0.2	1.47	3	<10	100	<0.5	2	0.17	<0.5	11	12	27	2.55	<10	<1	0.04	20	0.62	603	<1	<0.01	18	610	9	0.02	<2	1	9	<20	0.02	<10	<10	11	<10	76
MGCM8S015	523481	5502174	<0.005	0.2	1.68	7	<10	70	<0.5	2	0.12	<0.5	6	14	45	3.27	10	<1	0.05	10	0.4	1055	1	0.01	11	680	76	0.04	<2	1	7	<20	0.07	<10	<10	30	<10	71
MGCM8S015A	blank		<0.005	<0.2	0.53	<2	<10	60	<0.5	2	0.44	<0.5	3	9	4	2	<10	<1	0.16	20	0.25	242	<1	0.01	3	1270	<2	0.01	<2	1	37	<20	0.07	<10	<10	44	<10	26
MGCM8S016	523455	5502175	<0.005	<0.2	1.46	63	<10	20	<0.5	2	0.1	<0.5	22	18	81	3.87	<10	<1	0.02	10	0.86	622	<1	<0.01	48	550	55	0.01	<2	1	3	<20	0.01	<10	<10	10	<10	77
MGCM8S017	523436	5502179	<0.005	<0.2	1.94	41	<10	50	<0.5	<2	0.05	<0.5	14	25	22	3.62	10	<1	0.03	10	0.81	600	<1	<0.01	31	440	13	0.02	<2	1	2	<20	0.02	<10	<10	16	<10	83
MGCM8S018	523409	5502179	<0.005	<0.2	2.09	28	<10	60	<0.5	<2	0.13	<0.5	12	19	41	2.83	10	<1	0.04	10	0.36	641	1	0.01	19	640	28	0.04	2	1	6	<20	0.04	<10	<10	20	<10	59
MGCM8S019	523391	5502167	<0.005	<0.2	1.9	30	<10	40	<0.5	2	0.05	<0.5	9	26	23	3.57	10	<1	0.03	10	0.71	372	<1	<0.01	26	550	13	0.02	<2	1	2	<20	0.02	<10	<10	16	<10	75
MGCM8S020	523377	5502152	<0.005	0.2	1.61	32	<10	40	<0.5	<2	0.07	<0.5	9	26	34	3.18	<10	<1	0.04	10	0.65	361	<1	<0.01	27	520	15	<0.01	<2	1	3	<20	0.01	<10	<10	14	<10	82
MGCM8S021	523358	5502136	<0.005	0.2	1.73	29	<10	40	<0.5	<2	0.1	<0.5	14	24	32	3.12	10	<1	0.05	20	0.66	601	<1	<0.01	33	640	24	<0.01	<2	1	5	<20	0.02	<10	<10	14	<10	91
MGCM8S022	523340	5502120	<0.005	0.3	2.06	30	<10	50	<0.5	<2	0.06	<0.5	8	15	44	2.48	10	<1	0.04	10	0.27	439	<1	<0.01	14	740	22	0.01	<2	1	5	<20	0.06	<10	<10	21	<10	47
MGCM8S023	523309	5502124	<0.005	0.2	1.99	25	<10	110	<0.5	<2	0.28	<0.5	17	21	34	3.27	<10	<1	0.05	20	0.74	518	2	<0.01	48	920	23	<0.01	<2	2	13	<20	0.03	<10	10	16	<10	111
MGCM8S024	523299	5502150	<0.005	0.3	1.89	14	<10	100	<0.5	2	0.3	0.6	12	18	35	2.69	10	<1	0.06	20	0.5	1185	1	<0.01	27	970	32	0.03	<2	1	14	<20	0.04	<10	<10	17	<10	93
MGCM8S025	523308	5502172	<0.005	0.4	2.49	12	<10	100	0.6	<2	0.29	0.5	11	19	38	2.9	10	<1	0.06	20	0.45	1095	<1	<0.01	27	930	26	0.03	2	1	15	<20	0.05	<10	<10	21	<10	93
MGCM8S026	523319	5502195	<0.005	0.8	2.29	16	<10	70	0.5	<2	0.24	<0.5	13	20	46	2.96	10	<1	0.06	20	0.47	917	<1	<0.01	27	890	24	0.03	<2	1	12	<20	0.05	<10	<10	21	<10	71
MGCM8S027	523327	5502216	<0.005	<0.2	1.62	18	<10	50	<0.5	<2	0.09	<0.5	13	22	34	3.12	<10	<1	0.05	20	0.68	529	<1	<0.01	31	510	18	<0.01	<2	1	4	<20	0.02	<10	<10	15	<10	86
MGCM8S028	523332	5502238	0.005	0.2	1.6	16	<10	40	<0.5	<2	0.08	<0.5	13	23	47	3.14	<10	<1	0.04	20	0.7	559	<1	<0.01	30	560	16	<0.01	<2	1	3	<20	0.01	<10	<10	12	<10	78
MGCM8S029	523339	5502255	<0.005	<0.2	1.73	18	<10	40	<0.5	<2	0.1	<0.5	15	25	38	3.36	<10	<1	0.04	20	0.76	620	<1	<0.01	34	680	18	<0.01	<2	1	4	<20	0.02	<10	<10	14	<10	83
MGCM8S030	523346	5502279	<0.005	0.2	1.7	17	<10	40	<0.5	<2	0.09	<0.5	15	22	64	3.16	10	<1	0.05	20	0.62	892	<1	<0.01	29	650	25	<0.01	<2	1	5	<20	0.03	<10	<10	16	<10	79
MGCM8S030A	blank		<0.005	<0.2	0.54	<2	<10	60	<0.5	<2	0.44	<0.5	4	10	6	2.16	<10	<1	0.16	20	0.25	245	<1	<0.01	5	1270	2	<0.01	<2	1	34	<20	0.07	<10	<10	50	<10	28
MGCM8S031	523349	5502305	<0.005	0.3	1.64	13	<10	50	<0.5	<2	0.09	<0.5	16	19	61	2.96	10	1	0.06	30	0.43	854	<1	<0.01	22	750	28	0.02	2	1	6	<20	0.03	<10	<10	19	<10	74
MGCM8S032	523337	5502329	<0.005	0.3	2.53	12	<10	50	<0.5	<2	0.07	<0.5	14	26	37	3.24	10	<1	0.05	30	0.65	722	<1	<0.01	29	680	15	<0.01	<2	1	5	<20	0.02	<10	<10	17	<10	80
MGCM8S033	523329	5502353	<0.005	0.4	2.08	11	<10	40	<0.5	<2	0.07	<0.5	11	21	62	3.38	10	<1	0.04	30	0.37	750	<1	<0.01	21	750	20	<0.01	<2	1	5	<20	0.04	<10	<10	20	<10	58
MGCM8S034	523322	5502379	<0.005	0.2	1.41	14	<10	40	<0.5	<2	0.14	<0.5	18	20	34	3.16	<10	<1	0.03	20	0.52	1205	<1	<0.01	31	760	20	<0.01	<2	2	5	<20	0.01	<10				

MGCM8S045A	blank		0.005	<0.2	0.52	<2	<10	60	<0.5	<2	0.43	<0.5	3	11	16	2.11	<10	<1	0.15	20	0.24	234	<1	<0.01	5	1280	2	<0.01	<2	1	33	<20	0.07	<10	<10	49	<10	27
MGCM8S046	523229	5502626	<0.005	0.2	1.27	6	<10	30	<0.5	<2	0.02	<0.5	10	12	30	3.13	<10	<1	0.08	10	0.47	419	<1	<0.01	24	480	13	<0.01	<2	1	3	<20	0.02	<10	<10	10	<10	72
MGCM8S047	523220	5502646	<0.005	0.2	1.03	11	<10	30	<0.5	<2	0.03	<0.5	10	11	45	2.94	<10	<1	0.08	10	0.41	446	<1	<0.01	27	470	15	<0.01	<2	1	3	<20	0.02	<10	<10	9	<10	62
MGCM8S048	523206	5502664	<0.005	<0.2	0.89	10	<10	30	<0.5	<2	0.06	<0.5	11	10	36	2.97	<10	<1	0.07	10	0.39	518	<1	<0.01	31	520	13	<0.01	<2	1	3	<20	0.01	<10	<10	7	<10	59
MGCM8S049	523204	5502692	<0.005	0.3	1.46	7	<10	40	<0.5	<2	0.04	<0.5	7	11	27	2.92	10	<1	0.1	20	0.36	353	<1	<0.01	20	570	12	<0.01	<2	1	5	<20	0.04	<10	<10	16	<10	58
MGCM8S050	523207	5502716	<0.005	<0.2	1.18	6	<10	30	<0.5	<2	0.03	<0.5	10	12	32	3.05	<10	<1	0.1	10	0.63	509	<1	<0.01	27	380	12	<0.01	<2	1	4	<20	0.01	<10	<10	8	<10	64
MGCM8S051	523211	5502749	<0.005	0.2	1	7	<10	30	<0.5	<2	0.02	<0.5	10	11	38	3.23	<10	<1	0.12	20	0.43	492	<1	<0.01	27	440	10	<0.01	<2	1	5	<20	0.02	<10	<10	9	<10	71
MGCM8S052	523207	5502772	<0.005	0.2	1.33	6	<10	30	<0.5	<2	0.02	<0.5	10	13	30	3.26	<10	<1	0.13	20	0.56	501	<1	<0.01	25	530	8	<0.01	<2	1	4	<20	0.03	<10	<10	11	<10	68
MGCM8S053	523200	5502792	<0.005	<0.2	1.18	6	<10	40	<0.5	<2	0.03	<0.5	8	12	46	2.87	<10	<1	0.11	10	0.43	547	<1	<0.01	23	510	15	<0.01	2	1	4	<20	0.03	<10	<10	12	<10	61
KQCM8S001	523937	5501966	0.006	<0.2	0.57	35	<10	60	<0.5	<2	0.07	<0.5	14	8	62	2.76	<10	<1	0.06	20	0.2	843	<1	<0.01	26	610	14	<0.01	<2	1	1	<20	0.01	<10	<10	6	<10	57
KQCM8S002	523926	5501914	0.005	0.3	1.76	35	<10	140	0.5	<2	0.04	1.3	10	7	47	4.28	<10	<1	0.06	20	0.2	2980	<1	<0.01	31	640	34	0.02	<2	4	3	<20	0.04	<10	<10	18	<10	497
KQCM8S003	523914	5501875	<0.005	0.4	1.76	28	<10	360	<0.5	<2	0.04	<0.5	16	13	46	5.14	<10	<1	0.08	20	0.4	2300	<1	<0.01	24	660	193	0.03	5	3	5	<20	0.04	<10	<10	19	<10	204
KQCM8S004	523901	5501847	<0.005	0.3	1.16	18	<10	150	<0.5	<2	0.29	<0.5	11	9	27	3.45	<10	<1	0.06	10	0.27	1135	<1	<0.01	18	700	38	0.03	<2	1	7	<20	0.04	<10	<10	19	<10	99
KQCM8S005	523871	5501890	0.005	2.2	1.24	29	<10	280	0.6	<2	0.04	3.7	14	13	58	5.2	<10	1	0.05	20	0.27	6910	1	<0.01	32	790	600	0.06	13	6	3	<20	0.02	<10	<10	25	<10	629
KQCM8S006	523854	5501947	0.008	0.7	1.86	33	<10	560	0.7	<2	0.11	1.4	13	12	45	3.89	<10	1	0.08	20	0.46	1875	<1	0.01	35	730	190	0.02	5	5	5	<20	0.05	<10	<10	30	<10	654
KQCM8S007	523831	5501994	<0.005	0.6	1.97	37	<10	430	0.6	2	0.04	0.6	12	10	31	4.24	10	<1	0.08	10	0.23	2010	<1	<0.01	19	700	74	0.02	5	3	3	<20	0.05	<10	<10	27	<10	376
KQCM8S008	523808	5502046	0.006	0.4	0.95	37	<10	330	<0.5	<2	0.02	0.6	17	9	82	5.2	<10	1	0.07	20	0.42	3360	<1	<0.01	25	440	189	0.02	4	6	2	<20	0.04	<10	<10	38	<10	364
KQCM8S009	523785	5502092	<0.005	0.5	0.96	47	<10	1540	<0.5	2	0.03	0.9	13	8	60	4.81	<10	<1	0.07	20	0.26	2020	<1	0.01	25	660	172	0.04	4	3	18	<20	0.02	<10	<10	15	<10	490
KQCM8S010	523777	5502133	0.007	1	0.88	49	<10	870	<0.5	<2	2.47	2.2	13	9	75	4.26	<10	<1	0.15	10	1.61	2260	1	0.01	25	810	164	0.15	7	4	33	<20	0.03	<10	<10	29	<10	686
KQCM8S011	523772	5502158	<0.005	0.7	0.67	25	<10	590	<0.5	<2	0.12	1.2	14	8	57	3.36	<10	1	0.09	20	0.36	1780	<1	0.01	28	650	142	0.02	8	2	6	<20	0.02	<10	<10	11	<10	272
KQCM8S012	523769	5502174	<0.005	0.9	0.88	30	<10	1490	<0.5	<2	0.54	2.3	13	8	57	4.22	<10	<1	0.09	10	0.51	2270	1	0.02	26	680	153	0.05	7	3	16	<20	0.02	<10	<10	16	<10	571
KQCM8S013	523768	5502197	0.006	0.8	0.78	31	<10	1590	<0.5	<2	0.22	0.8	12	6	53	3.91	<10	<1	0.07	20	0.22	1435	1	0.02	25	570	95	0.03	6	2	12	<20	0.02	<10	<10	11	<10	267
KQCM8S014	523763	5502215	0.007	1.5	0.9	36	<10	1600	<0.5	<2	0.11	1.3	13	8	74	5.61	<10	<1	0.07	20	0.26	2060	1	0.02	32	750	166	0.04	9	4	17	<20	0.02	<10	<10	15	<10	540
KQCM8S015	blank		<0.005	0.2	0.4	<2	<10	60	<0.5	<2	0.43	<0.5	3	8	5	1.89	<10	<1	0.12	20	0.19	219	<1	<0.01	3	1300	2	<0.01	<2	1	28	<20	0.06	<10	<10	44	<10	31
KQCM8S016	523758	5502237	<0.005	1.3	2.91	16	<10	330	0.6	<2	0.05	<0.5	7	9	26	3.16	10	<1	0.06	10	0.13	1430	<1	0.01	11	1160	38	0.02	<2	2	4	<20	0.11	<10	<10	29	<10	146
KQCM8S017	523755	5502266	<0.005	0.4	0.88	18	<10	130	<0.5	<2	0.58	<0.5	12	9	40	3.01	<10	<1	0.09	20	0.77	1335	<1	<0.01	25	690	45	0.01	2	2	5	<20	0.02	<10	<10	9	<10	246
KQCM8S018	523749	5502293	<0.005	0.3	2.61	18	<10	160	0.6	<2	0.06	0.6	22	14	41	4.8	<10	<1	0.05	10	0.18	2360	<1	<0.01	17	860	44	0.01	10	3	3	<20	0.05	<10	<10	27	<10	274
KQCM8S019	523746	5502316	<0.005	<0.2	1.35	5	<10	120	<0.5	<2	0.16	<0.5	7	13	13	1.7	<10	<1	0.47	10	1.67	325	<1	<0.01	16	500	13	<0.01	<2	1	3	<20	0.07	<10	<10	10	<10	152
KQCM8S020	523744	5502343	<0.005	1.1	2.17	20	<10	310	0.5	2	0.06	0.5	10	11	23	3.03	10	<1	0.1	10	0.18	1170	1	<0.01	13	600	48	0.01	<2	2	5	<20	0.05	<10	<10	29	<10	130
KQCM8S021	523741	5502366	<0.005	0.5	1.46	22	<10	270	<0.5	<2	0.25	<0.5	9	7	22	3.2	10	<1	0.05	10	0.14	851	<1	<0.01	13	620	55	0.02	2	1	7	<20	0.07	<10	<10	24	<10	139
KQCM8S022	523729	5502388	<0.005	0.5	2.57	16	<10	270	0.7	<2	0.16	1.1	13	16	27	5.07	<10	<1	0.1	10	0.62	2360	1	<0.01	26	990	63	0.02	<2	4	5	<20	0.04	<10	<10	23	<10	359
KQCM8S023	523724	5502410	<0.005	0.8	0.77	18	<10	500	<0.5	<2	2.07	2.4	12	8	34	3.86	<10	<1	0.16	20	1.75	1870	<1	<0.01	33	770	129	0.01	<2	5	15	<20	0.03	<10	<10	11	<10	501
KQCM8S024	523715	5502429	<0.005	0.3	1.41	13	<10	370	<0.5	<2	0.87	0.7	15	12	31	4.54	<10	<1	0.08	10	0.73	3910	<1	0.01	24	990	96	0.02	3	2	10	<20	0.02	<10	<10	16	<10	476
KQCM8S025	523712	5502457	<0.005	0.5	0.72	10	<10	210	<0.5	<2	2.8	2.7	11	8	41	5.13	<10	1	0.03	20	1.65	3000	<1	<0.01	28	900	253	0.01	2	7	18	<20	0.01	<10	<10	14	<10	797
KQCM8S026	523703	5502490	<0.005	0.7	0.98	9	<10	310	<0.5	<2	5.13	0.8	10	8	25	3.75	<10	<1	0.04	10	3.12	2090	<1	0.01	18	820	111	0.03	2	4	33	<20	0.02	<10	<10	16	<10	422
KQCM8S027	523695	5502525	<0.005	0.4	1.52	17	<10	680	0.5	<2	0.77	1.1	13	12	34	4.94	<10	1	0.07	10	0.59	2500	<1	<0.01	23	810	118	0.02	3	3	10	<20	0.03	<10	<10	22	<10	808
KQCM8S028	523686	5502558	<0.005	0.3	0.17	8	<10	100	<0.5	<2	12.75	1.4	5	4	7	2.28	<10	<1	0.01	10	8.57	1365	<1	<0.01	10	460	37	0.01	<2	2	88	<20	<0.01	<10				

KQCM8S041	523684	5503110	<0.005	0.5	0.92	20	<10	790	<0.5	2	0.18	0.6	13	9	36	3.68	<10	<1	0.11	10	0.42	1845	1	0.01	24	590	86	0.04	4	3	8	<20	0.03	<10	<10	14	<10	298
KQCM8S042	523689	5503163	0.007	1	0.71	13	<10	1500	<0.5	2	1.41	1.6	13	7	28	6.7	<10	<1	0.07	20	0.76	10850	1	0.01	31	1500	73	0.02	2	6	15	<20	0.02	<10	<10	11	<10	333
KQCM8S043	523697	5503216	<0.005	0.2	1.02	21	<10	360	<0.5	2	0.09	<0.5	12	9	29	3.55	<10	<1	0.09	10	0.32	1530	<1	0.01	19	630	81	0.03	2	1	5	<20	0.03	<10	<10	13	<10	233
KQCM8S044	523704	5503264	<0.005	0.2	0.8	23	<10	150	<0.5	<2	0.09	<0.5	11	8	28	2.78	<10	<1	0.09	10	0.32	1120	1	<0.01	19	420	69	0.02	2	1	3	<20	0.03	<10	<10	8	<10	149
KQCM8S045	blank		<0.005	<0.2	0.43	<2	<10	60	<0.5	<2	0.47	<0.5	3	9	4	2.32	<10	<1	0.13	20	0.21	259	<1	0.01	3	1390	<2	0.01	<2	1	35	<20	0.06	<10	<10	52	<10	37
KQCM8S046	523715	5503310	0.01	0.4	0.82	15	<10	640	<0.5	2	0.9	<0.5	12	8	30	3.58	<10	<1	0.12	10	0.73	2220	1	<0.01	23	670	105	0.03	3	3	15	<20	0.03	<10	<10	11	<10	238
KQCM8S047	523730	5503346	0.005	0.7	1.38	27	<10	220	<0.5	3	0.04	0.7	13	10	61	6.66	10	<1	0.05	10	0.12	6860	1	<0.01	14	780	165	0.03	23	2	2	<20	0.04	<10	<10	21	<10	848
KQCM8S048	523746	5503385	<0.005	0.3	0.85	10	<10	450	<0.5	2	0.68	<0.5	9	8	17	3.52	<10	<1	0.24	10	0.75	1945	<1	0.01	18	520	88	0.04	2	2	13	<20	0.05	<10	<10	9	<10	165
KQCM8S049	523774	5503428	<0.005	0.5	1.1	51	<10	130	<0.5	<2	0.16	<0.5	16	9	41	3.46	<10	<1	0.31	10	0.5	688	1	<0.01	25	430	182	0.02	2	2	5	<20	0.1	<10	<10	11	<10	119
KQCM8S050	523804	5503469	<0.005	0.5	0.85	33	<10	100	<0.5	2	0.29	<0.5	12	10	37	2.54	<10	<1	0.13	10	0.38	636	1	0.01	27	460	75	0.03	2	1	6	<20	0.05	<10	<10	9	<10	90
KQCM8S051	523833	5503505	<0.005	0.3	1.33	24	<10	110	<0.5	2	0.27	<0.5	18	14	34	3.44	<10	<1	0.05	20	0.41	1010	<1	0.01	30	660	52	0.04	<2	2	8	<20	0.03	<10	<10	13	<10	93
KQCM8S052	523864	5503532	<0.005	0.5	1.73	12	<10	130	0.5	<2	0.28	0.5	11	10	25	2.53	10	<1	0.09	20	0.23	2450	1	0.01	13	1230	57	0.09	2	1	7	<20	0.04	<10	<10	17	<10	85
CGCM8D001	524012	5501453	<0.005	0.2	1.2	19	<10	40	<0.5	2	0.03	<0.5	19	9	43	5.04	<10	<1	0.04	20	0.29	743	<1	0.01	31	490	30	0.02	<2	1	3	<20	0.03	<10	<10	13	<10	93
CGCM8D002	524043	5501469	<0.005	0.3	1.18	16	<10	50	<0.5	<2	0.03	<0.5	10	9	29	4.07	10	<1	0.03	10	0.14	855	1	<0.01	15	720	28	0.03	2	1	3	<20	0.04	<10	<10	20	<10	62
CGCM8D003	524064	5501489	<0.005	0.3	0.31	19	<10	30	<0.5	<2	11.8	<0.5	7	3	16	2.07	<10	<1	0.02	10	7.09	1530	<1	0.01	17	1480	29	0.06	3	2	101	<20	0.01	<10	<10	7	<10	83
CGCM8D004	524084	5501508	<0.005	0.3	1.77	16	<10	50	0.6	<2	0.39	0.8	19	16	35	3.85	<10	<1	0.04	30	0.52	1380	<1	<0.01	37	1160	54	0.05	<2	5	9	<20	0.04	<10	<10	20	<10	110
CGCM8D005	524095	5501530	<0.005	0.6	1.61	17	<10	50	0.6	<2	0.24	2.6	23	16	42	4.94	<10	<1	0.04	30	0.59	1990	<1	<0.01	53	760	96	0.03	3	5	8	<20	0.03	<10	<10	18	<10	419
CGCM8D006	524112	5501565	<0.005	<0.2	1.82	9	<10	30	<0.5	<2	0.02	<0.5	17	19	45	4.78	<10	<1	0.05	20	0.75	640	<1	<0.01	35	420	27	0.02	<2	1	3	<20	0.03	<10	<10	18	<10	85
CGCM8D007	524128	5501604	<0.005	0.2	2.26	8	<10	80	0.6	<2	0.23	<0.5	10	12	39	5.19	10	<1	0.05	10	0.65	1755	<1	0.01	21	660	59	0.05	<2	4	11	<20	0.1	<10	<10	27	<10	69
CGCM8D008	524144	5501658	0.005	5.5	0.86	15	<10	90	<0.5	28	1.71	<0.5	56	13	293	9.94	<10	<1	0.19	<10	1.64	2410	3	0.01	39	860	1980	0.23	<2	10	34	<20	0.07	<10	<10	29	<10	52
CGCM8D009	524159	5501721	<0.005	<0.2	1.44	12	<10	100	<0.5	<2	0.17	<0.5	15	12	57	3.92	<10	<1	0.09	20	0.92	1110	<1	0.01	30	500	39	0.02	<2	5	7	<20	0.08	<10	<10	25	<10	106
CGCM8D010	524160	5501775	<0.005	0.3	1.55	8	<10	110	<0.5	<2	0.2	<0.5	13	15	43	3.89	<10	<1	0.17	20	1.12	934	<1	<0.01	28	460	20	0.02	<2	2	6	<20	0.08	<10	<10	23	<10	75
CGCM8D011	524161	5501841	<0.005	0.3	1.46	9	<10	50	<0.5	<2	0.04	<0.5	17	13	41	3.69	<10	<1	0.07	20	0.73	878	<1	<0.01	39	400	36	0.01	4	2	2	<20	0.03	<10	<10	13	<10	148
CGCM8D012	524140	5501891	<0.005	0.2	1.02	12	<10	50	<0.5	<2	0.02	<0.5	10	6	31	3.29	<10	<1	0.04	10	0.13	847	<1	<0.01	14	730	28	0.02	2	1	2	<20	0.05	<10	<10	18	<10	72
CGCM8D013	blank		<0.005	<0.2	0.38	<2	<10	40	<0.5	<2	0.37	<0.5	3	7	4	1.76	<10	<1	0.12	20	0.18	187	<1	<0.01	4	1170	<2	<0.01	<2	1	24	<20	0.05	<10	<10	41	<10	27
CGCM8D014	524091	5501924	<0.005	0.2	0.95	14	<10	60	<0.5	<2	0.03	<0.5	13	10	32	3.36	<10	<1	0.06	10	0.25	1875	<1	<0.01	20	1160	48	0.03	4	1	2	<20	0.03	<10	<10	18	<10	107
CGCM8D015	524038	5501934	0.005	0.5	1.05	15	<10	70	<0.5	<2	0.02	<0.5	13	9	27	3.58	<10	<1	0.05	10	0.26	1245	<1	<0.01	22	680	58	0.02	2	1	3	<20	0.03	<10	<10	17	<10	130
CGCM8D016	523998	5501954	<0.005	0.4	3.04	10	<10	50	0.6	<2	0.03	<0.5	7	10	35	2.4	10	<1	0.03	10	0.1	377	<1	0.01	11	630	25	0.03	<2	2	3	<20	0.09	<10	<10	23	<10	56
CGCM8D017	523979	5501990	<0.005	0.4	1.79	16	<10	180	0.6	<2	0.07	<0.5	11	13	25	3.21	<10	<1	0.06	10	0.42	854	<1	<0.01	26	660	51	0.01	3	2	4	<20	0.02	<10	<10	15	<10	185
CGCM8D018	523957	5502012	<0.005	<0.2	0.99	24	<10	60	<0.5	<2	0.01	<0.5	7	9	35	2.48	<10	<1	0.06	20	0.2	170	<1	<0.01	16	440	13	0.01	2	1	1	<20	0.02	<10	<10	10	<10	69
CGCM8D019	523807	5501682	<0.005	<0.2	1.56	13	<10	60	<0.5	<2	0.02	<0.5	13	13	26	3.35	<10	<1	0.06	20	0.32	695	<1	0.01	23	600	35	0.02	2	2	2	<20	0.04	<10	<10	17	<10	87
CGCM8D020	523839	5501909	0.005	0.5	1	34	<10	340	<0.5	<2	0.06	<0.5	15	12	68	3.75	<10	5	0.12	20	0.52	1690	<1	0.02	21	480	136	0.01	2	5	2	<20	0.04	<10	<10	40	<10	281
CGCM8D021	523811	5501936	<0.005	0.6	1.29	35	<10	250	0.5	<2	0.05	0.6	14	12	61	5.05	<10	<1	0.08	20	0.49	2280	<1	0.01	28	490	86	0.01	3	5	2	<20	0.04	<10	<10	30	<10	377
CGCM8D022	523803	5501988	0.005	0.6	0.64	39	<10	1440	<0.5	2	0.04	1.3	17	8	61	4.25	<10	<1	0.08	20	0.35	2620	<1	0.02	38	590	106	0.05	4	3	16	<20	0.02	<10	<10	18	<10	345
CGCM8D023	523769	5502692	<0.005	0.4	1.07	67	<10	490	<0.5	<2	0.04	0.5	11	5	23	2.2	<10	<1	0.05	20	0.1	910	<1	<0.01	27	420	76	0.01	3	2	2	<20	0.01	<10	<10	8	<10	189
CGCM8D024	523741	5502652	0.005	0.3	1.38	10	<10	340	0.5	<2	0.12	0.9	10	12	39	3.43	<10	1	0.18	20	1.06	1910	<1	<0.01	25	760	83	0.01	5	4	3	<20	0.03	<10	<10	10	<10	811
CGCM8D025	523736	5502605	<0.005	1	1.4	22	<10	1750	0.5	<2	0.15	5.9	10	15	79	6.32	<10	2	0.04	20	0.29	4970	1	0.02	29	740	360	0.05	12	6	15	<20	0.02	<10	<10	20	<10	2410
CGCM8D026																																						

VA08098049 - Finalized
 CLIENT : "GREIG - C.J. Greig And Associates Ltd."
 # of SAMPLES : 140
 DATE RECEIVED : 2008-07-18 DATE FINALIZED : 2008-08-11
 PROJECT : "Commonwealth"
 CERTIFICATE COMMENTS : ""
 PO NUMBER : ""

SAMPLE	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
KQCM8S001	0.006	<0.2	0.57	35	<10	60	<0.5	<2	0.07	<0.5	14	8	62	2.76	<10	<1	0.06	20	0.2	843	<1	<0.01	26	610	14	<0.01	<2	1	1	<20	0.01	<10	<10	6	<10	57
KQCM8S002	0.005	0.3	1.76	35	<10	140	0.5	<2	0.04	1.3	10	7	47	4.28	<10	<1	0.06	20	0.2	2980	<1	<0.01	31	640	34	0.02	<2	4	3	<20	0.04	<10	<10	18	<10	497
KQCM8S003	<0.005	0.4	1.76	28	<10	360	<0.5	<2	0.04	<0.5	16	13	46	5.14	<10	<1	0.08	20	0.4	2300	<1	<0.01	24	660	193	0.03	5	3	5	<20	0.04	<10	<10	19	<10	204
KQCM8S004	<0.005	0.3	1.16	18	<10	150	<0.5	<2	0.29	<0.5	11	9	27	3.45	<10	<1	0.06	10	0.27	1135	<1	<0.01	18	700	38	0.03	<2	1	7	<20	0.04	<10	<10	19	<10	99
KQCM8S005	0.005	2.2	1.24	29	<10	280	0.6	<2	0.04	3.7	14	13	58	5.2	<10	1	0.05	20	0.27	6910	<1	<0.01	32	790	600	0.06	13	6	3	<20	0.02	<10	<10	25	<10	629
KQCM8S006	0.008	0.7	1.86	33	<10	560	0.7	<2	0.11	1.4	13	12	45	3.89	<10	1	0.08	20	0.46	1875	<1	0.01	35	730	190	0.02	5	5	5	<20	0.05	<10	<10	30	<10	654
KQCM8S007	<0.005	0.6	1.97	37	<10	430	0.6	2	0.04	0.6	12	10	31	4.24	<10	<1	0.08	10	0.23	2010	<1	<0.01	19	700	74	0.02	5	3	3	<20	0.05	<10	<10	27	<10	376
KQCM8S008	0.006	0.4	0.95	37	<10	330	<0.5	<2	0.02	0.6	17	9	82	5.2	<10	1	0.07	20	0.42	3360	<1	<0.01	25	440	189	0.02	4	6	2	<20	0.04	<10	<10	38	<10	364
KQCM8S009	<0.005	0.5	0.96	47	<10	1540	<0.5	2	0.03	0.9	13	8	60	4.81	<10	<1	0.07	20	0.26	2020	<1	0.01	25	660	172	0.04	4	3	18	<20	0.02	<10	<10	15	<10	490
KQCM8S010	0.007	1	0.88	49	<10	870	<0.5	<2	2.47	2.2	13	9	75	4.26	<10	<1	0.15	10	1.61	2260	1	0.01	25	810	164	0.15	7	4	33	<20	0.03	<10	<10	29	<10	686
KQCM8S011	<0.005	0.7	0.67	25	<10	590	<0.5	<2	0.12	1.2	14	8	57	3.36	<10	1	0.09	20	0.36	1780	<1	0.01	28	650	142	0.02	8	2	6	<20	0.02	<10	<10	11	<10	272
KQCM8S012	<0.005	0.9	0.88	30	<10	1490	<0.5	<2	0.54	2.3	13	8	57	4.22	<10	<1	0.09	10	0.51	2270	1	0.02	26	680	153	0.05	7	3	16	<20	0.02	<10	<10	16	<10	571
KQCM8S013	0.006	0.8	0.78	31	<10	1590	<0.5	<2	0.22	0.8	12	6	53	3.91	<10	<1	0.07	20	0.22	1435	1	0.02	25	570	95	0.03	6	2	12	<20	0.02	<10	<10	11	<10	267
KQCM8S014	0.007	1.5	0.9	36	<10	1600	<0.5	<2	0.11	1.3	13	8	74	5.61	<10	<1	0.07	20	0.26	2060	1	0.02	32	750	166	0.04	9	4	17	<20	0.02	<10	<10	15	<10	540
KQCM8S015	<0.005	0.2	0.4	<2	<10	60	<0.5	<2	0.43	<0.5	3	8	5	1.89	<10	<1	0.12	20	0.19	219	<1	<0.01	3	1300	2	<0.01	<2	1	28	<20	0.06	<10	<10	44	<10	31
KQCM8S016	<0.005	1.3	2.91	16	<10	330	0.6	<2	0.05	<0.5	7	9	26	3.16	<10	<1	0.06	10	0.13	1430	<1	0.01	11	1160	38	0.02	<2	2	4	<20	0.11	<10	<10	29	<10	146
KQCM8S017	<0.005	0.4	0.88	18	<10	130	<0.5	<2	0.58	<0.5	12	9	40	3.01	<10	<1	0.09	20	0.77	1335	<1	<0.01	25	690	45	0.01	2	2	5	<20	0.02	<10	<10	9	<10	246
KQCM8S018	<0.005	0.3	2.61	18	<10	160	0.6	<2	0.06	0.6	22	14	41	4.8	<10	<1	0.05	10	0.18	2360	<1	<0.01	17	860	44	0.01	10	3	3	<20	0.05	<10	<10	27	<10	274
KQCM8S019	<0.005	<0.2	1.35	5	<10	120	<0.5	<2	0.16	<0.5	7	13	13	1.7	<10	<1	0.47	10	1.67	325	<1	<0.01	16	500	13	<0.01	<2	1	3	<20	0.07	<10	<10	10	<10	152
KQCM8S020	<0.005	1.1	2.17	20	<10	310	0.5	2	0.06	0.5	10	11	23	3.03	<10	<1	0.1	10	0.18	1170	1	<0.01	13	600	48	0.01	<2	2	5	<20	0.05	<10	<10	29	<10	130
KQCM8S021	<0.005	0.5	1.46	22	<10	270	<0.5	<2	0.25	<0.5	9	7	22	3.2	<10	<1	0.05	10	0.14	851	<1	<0.01	13	620	55	0.02	2	1	7	<20	0.07	<10	<10	24	<10	139
KQCM8S022	<0.005	0.5	2.57	16	<10	270	0.7	<2	0.16	1.1	13	16	27	5.07	<10	<1	0.1	10	0.62	2360	<1	<0.01	26	990	63	0.02	<2	4	5	<20	0.04	<10	<10	23	<10	359
KQCM8S023	<0.005	0.8	0.77	18	<10	500	<0.5	<2	2.07	2.4	12	8	34	3.86	<10	<1	0.16	20	1.75	1870	<1	<0.01	33	770	129	0.01	<2	5	15	<20	0.03	<10	<10	11	<10	501
KQCM8S024	<0.005	0.3	1.41	13	<10	370	<0.5	<2	0.87	0.7	15	12	31	4.54	<10	<1	0.08	10	0.73	3910	<1	0.01	24	990	96	0.02	3	2	10	<20	0.02	<10	<10	16	<10	476
KQCM8S025	<0.005	0.5	0.72	10	<10	210	<0.5	<2	2.8	2.7	11	8	41	5.13	<10	1	0.03	20	1.65	3000	<1	<0.01	28	900	253	0.01	2	7	18	<20	0.01	<10	<10	14	<10	797
KQCM8S026	<0.005	0.7	0.98	9	<10	310	<0.5	<2	5.13	0.8	10	8	25	3.75	<10	1	0.04	10	3.12	2090	<1	0.01	18	820	111	0.03	2	4	33	<20	0.02	<10	<10	16	<10	422
KQCM8S027	<0.005	0.4	1.52	17	<10	680	0.5	<2	0.77	1.1	13	12	34	4.94	<10	1	0.07	10	0.59	2500	<1	<0.01	23	810	118	0.02	3	3	10	<20	0.03	<10	<10	22	<10	808
KQCM8S028	<0.005	0.3	0.17	8	<10	100	<0.5	<2	12.75	1.4	5	4	7	2.28	<10	<1	0.01	10	8.57	1365	<1	<0.01	10	460	37	0.01	<2	2	88	<20	<0.01	<10	<10	6	<10	632
KQCM8S029	<0.005	0.6	1.03	8	<10	650	<0.5	<2	5.72	2.5	10	9	20	3.29	<10	<1	0.04	10	3.45	1675	<1	0.01	17	680	168	0.03	4	3	33	<20	0.02	<10	<10	15	<10	885
KQCM8S030	<0.005	<0.2	0.39	2	<10	50	<0.5	<2	0.45	<0.5	3	8	5	1.96	<10	<1	0.12	20	0.2	214	<1	<0.01	3	1330	2	<0.01	<2	1	28	<20	0.06	<10	<10	46	<10	33
KQCM8S031	<0.005	0.3	1.05	16	<10	450	<0.5	<2	0.08	0.6	10	10	27	3.15	<10	<1	0.07	10	0.37	1085	<1	<0.01	20	460	75	0.01	2	2	4	<20	0.02	<10	<10	13	<10	331
KQCM8S032	0.005	0.7	0.69	10	<10	2630	<0.5	<2	4.68	0.8	8	6	22	3.56	<10	<1	0.06	10	2.84	4150	<1	0.04	22	640	77	0.07	6	4	94	<20	0.02	<10	<10	10	<10	454
KQCM8S033	<0.005	0.7	1.48	14	<10	880	<0.5	<2	0.07	1.1	10	9	28	3.92	<10	<1	0.05	10	0.18	3080	<1	0.01	17	680	329	0.02	6	3	5	<20	0.04	<10	<10	16	<10	581
KQCM8S034	<0.005	0.7	0.58	9	<10																															

MGCM8S022	<0.005	0.3	2.06	30	<10	50	<-0.5	<-2	0.06	<-0.5	8	15	44	2.48	10	<1	0.04	10	0.27	439	<1	<-0.01	14	740	22	0.01	<-2	1	5	<-20	0.06	<10	<10	21	<10	47
MGCM8S023	<0.005	0.2	1.99	25	<10	110	<-0.5	<-2	0.28	<-0.5	17	21	34	3.27	<-10	<1	0.05	20	0.74	518	2	<-0.01	48	920	23	<-0.01	<-2	2	13	<-20	0.03	<10	<10	16	<10	111
MGCM8S024	<0.005	0.3	1.89	14	<10	100	<-0.5	2	0.3	0.6	12	18	35	2.69	10	<1	0.06	20	0.5	1185	1	<-0.01	27	970	32	0.03	<-2	1	14	<-20	0.04	<10	<10	17	<10	93
MGCM8S025	<0.005	0.4	2.49	12	<10	100	<-0.5	<-2	0.29	0.5	11	19	38	2.9	10	<1	0.06	20	0.45	1095	<1	<-0.01	27	930	26	0.03	2	1	15	<-20	0.05	<10	<10	21	<10	93
MGCM8S026	<0.005	0.8	2.29	16	<10	70	0.5	<-2	0.24	<-0.5	13	20	46	2.96	10	<1	0.06	20	0.47	917	<1	<-0.01	27	890	24	0.03	<-2	1	12	<-20	0.05	<10	<10	21	<10	71
MGCM8S027	<0.005	<-0.2	1.62	18	<10	50	<-0.5	<-2	0.09	<-0.5	13	22	34	3.12	<-10	<1	0.05	20	0.68	529	<1	<-0.01	31	510	18	<-0.01	<-2	1	4	<-20	0.02	<10	<10	15	<10	86
MGCM8S028	0.005	0.2	1.6	16	<10	40	<-0.5	<-2	0.08	<-0.5	13	23	47	3.14	<-10	<1	0.04	20	0.7	559	<1	<-0.01	30	560	16	<-0.01	<-2	1	3	<-20	0.01	<10	<10	12	<10	78
MGCM8S029	<0.005	<-0.2	1.73	18	<10	40	<-0.5	<-2	0.1	<-0.5	15	25	38	3.36	<-10	<1	0.04	20	0.76	620	<1	<-0.01	34	680	18	<-0.01	<-2	1	4	<-20	0.02	<10	<10	14	<10	83
MGCM8S030	<0.005	0.2	1.7	17	<10	40	<-0.5	<-2	0.09	<-0.5	15	22	64	3.16	10	<1	0.05	20	0.62	892	<1	<-0.01	29	650	25	<-0.01	<-2	1	5	<-20	0.03	<10	<10	16	<10	79
MGCM8S030A	<0.005	<-0.2	0.54	<-2	<10	60	<-0.5	<-2	0.44	<-0.5	4	10	6	2.16	<-10	<1	0.16	20	0.25	245	<1	<-0.01	5	1270	2	<-0.01	<-2	1	34	<-20	0.07	<10	<10	50	<10	28
MGCM8S031	<0.005	0.3	1.64	13	<10	50	<-0.5	<-2	0.09	<-0.5	16	19	61	2.96	10	1	0.06	30	0.43	854	<1	<-0.01	22	750	28	0.02	2	1	6	<-20	0.03	<10	<10	19	<10	74
MGCM8S032	<0.005	0.3	2.53	12	<10	50	<-0.5	<-2	0.07	<-0.5	14	26	37	3.24	10	<1	0.05	30	0.65	722	<1	<-0.01	29	680	15	<-0.01	<-2	1	5	<-20	0.02	<10	<10	17	<10	80
MGCM8S033	<0.005	0.4	2.08	11	<10	40	<-0.5	<-2	0.07	<-0.5	11	21	62	3.38	10	<1	0.04	30	0.37	750	<1	<-0.01	21	750	20	<-0.01	<-2	1	5	<-20	0.04	<10	<10	20	<10	58
MGCM8S034	<0.005	0.2	1.41	14	<10	40	<-0.5	<-2	0.14	<-0.5	18	20	34	3.16	<-10	<1	0.03	20	0.52	1205	<1	<-0.01	31	760	20	<-0.01	<-2	2	5	<-20	0.01	<10	<10	9	<10	57
MGCM8S035	<0.005	0.3	1.43	10	<10	40	<-0.5	<-2	0.1	<-0.5	15	18	63	3.2	<-10	<1	0.03	20	0.5	840	<1	<-0.01	32	660	20	<-0.01	2	1	4	<-20	0.02	<10	<10	12	<10	64
MGCM8S036	<0.005	0.2	1.19	12	<10	20	<-0.5	<-2	0.04	<-0.5	13	17	35	2.95	<-10	<1	0.03	20	0.56	575	<1	<-0.01	32	340	13	<-0.01	<-2	1	2	<-20	0.01	<10	<10	9	<10	61
MGCM8S037	<0.005	0.3	0.98	8	<10	50	<-0.5	<-2	0.12	<-0.5	13	15	50	2.67	<-10	<1	0.04	20	0.41	1055	<1	<-0.01	30	720	19	<-0.01	<-2	1	5	<-20	0.02	<10	<10	11	<10	64
MGCM8S038	<0.005	0.2	1.15	6	<10	30	<-0.5	<-2	0.07	<-0.5	11	14	29	2.69	<-10	<1	0.03	20	0.27	795	<1	<-0.01	26	930	13	<-0.01	<-2	1	3	<-20	0.02	<10	<10	12	<10	60
MGCM8S039	<0.005	<-0.2	0.98	9	<10	30	<-0.5	<-2	0.04	<-0.5	11	15	29	2.47	<-10	<1	0.03	20	0.44	795	<1	<-0.01	31	410	13	<-0.01	<-2	1	2	<-20	0.01	<10	<10	9	<10	64
MGCM8S040	0.005	<-0.2	1.37	13	<10	30	<-0.5	<-2	0.13	<-0.5	15	20	50	2.95	<-10	<1	0.04	20	0.62	899	<1	<-0.01	39	640	15	<-0.01	<-2	2	4	<-20	0.01	<10	<10	10	<10	70
MGCM8S041	<0.005	0.3	1.78	11	<10	50	<-0.5	2	0.04	<-0.5	9	15	43	2.5	10	1	0.04	20	0.23	716	<1	<-0.01	17	580	18	<-0.01	<-2	1	3	<-20	0.04	<10	<10	19	<10	51
MGCM8S042	<0.005	0.3	1.19	9	<10	30	<-0.5	<-2	0.07	<-0.5	11	13	44	3.01	<-10	<1	0.04	20	0.41	817	<1	<-0.01	28	620	21	<-0.01	<-2	1	3	<-20	0.01	<10	<10	10	<10	67
MGCM8S043	<0.005	0.2	1.28	7	<10	40	<-0.5	<-2	0.21	<-0.5	14	15	45	2.99	<-10	<1	0.03	20	0.46	1340	<1	<-0.01	34	600	27	<-0.01	<-2	1	6	<-20	0.02	<10	<10	11	<10	69
MGCM8S044	<0.005	<-0.2	1.05	6	<10	50	<-0.5	<-2	0.12	<-0.5	10	14	27	2.88	<-10	<1	0.05	20	0.36	866	<1	<-0.01	24	720	20	<-0.01	<-2	1	5	<-20	0.02	<10	<10	14	<10	64
MGCM8S045	<0.005	<-0.2	0.9	7	<10	30	<-0.5	<-2	0.05	<-0.5	11	11	42	2.71	<-10	<1	0.06	20	0.41	609	<1	<-0.01	29	480	12	<-0.01	<-2	1	3	<-20	0.02	<10	<10	8	<10	57
MGCM8S045A	0.005	<-0.2	0.52	<-2	<10	60	<-0.5	<-2	0.43	<-0.5	3	11	16	2.11	<-10	<1	0.15	20	0.24	234	<1	<-0.01	5	1280	2	<-0.01	<-2	1	33	<-20	0.07	<10	<10	49	<10	27
MGCM8S046	<0.005	0.2	1.27	6	<10	30	<-0.5	<-2	0.02	<-0.5	10	12	30	3.13	<-10	<1	0.08	10	0.47	419	<1	<-0.01	24	480	13	<-0.01	<-2	1	3	<-20	0.02	<10	<10	10	<10	72
MGCM8S047	<0.005	0.2	1.03	11	<10	30	<-0.5	<-2	0.03	<-0.5	10	11	45	2.94	<-10	<1	0.08	10	0.41	446	<1	<-0.01	27	470	15	<-0.01	<-2	1	3	<-20	0.02	<10	<10	9	<10	62
MGCM8S048	<0.005	<-0.2	0.89	10	<10	30	<-0.5	<-2	0.06	<-0.5	11	10	36	2.97	<-10	<1	0.07	10	0.39	518	<1	<-0.01	31	520	13	<-0.01	<-2	1	3	<-20	0.01	<10	<10	7	<10	59
MGCM8S049	<0.005	0.3	1.46	7	<10	40	<-0.5	<-2	0.04	<-0.5	7	11	27	2.92	10	<1	0.1	20	0.36	353	<1	<-0.01	20	570	12	<-0.01	<-2	1	5	<-20	0.04	<10	<10	16	<10	58
MGCM8S050	<0.005	<-0.2	1.18	6	<10	30	<-0.5	<-2	0.03	<-0.5	10	12	32	3.05	<-10	<1	0.1	10	0.63	509	<1	<-0.01	27	380	12	<-0.01	<-2	1	4	<-20	0.01	<10	<10	8	<10	64
MGCM8S051	<0.005	0.2	1	7	<10	30	<-0.5	<-2	0.02	<-0.5	10	11	38	3.23	<-10	<1	0.12	20	0.43	492	<1	<-0.01	27	440	10	<-0.01	<-2	1	5	<-20	0.02	<10	<10	9	<10	71
MGCM8S052	<0.005	0.2	1.33	6	<10	30	<-0.5	<-2	0.02	<-0.5	10	13	30	3.26	<-10	<1	0.13	20	0.56	501	<1	<-0.01	25	530	8	<-0.01	<-2	1	4	<-20	0.03	<10	<10	11	<10	68
MGCM8S053	<0.005	<-0.2	1.18	6	<10	40	<-0.5	<-2	0.03	<-0.5	8	12	46	2.87	<-10	<1	0.11	10	0.43	547	<1	<-0.01	23	510	15	<-0.01	2	1	4	<-20	0.03	<10	<10	12	<10	61
CGCM8D001	<0.005	0.2	1.2	19	<10	40	<-0.5	2	0.03	<-0.5	19	9	43	5.04	<-10	<1	0.04	20	0.29	743	<1	0.01	31	490	30	0.02	<-2	1	3	<-20	0.03	<10	<10	13	<10	93
CGCM8D002	<0.005	0.3	1.18	16	<10	50	<-0.5	<-2	0.03	<-0.5	10	9	29	4.07	10	<1	0.03	10	0.14	855	1	<-0.01	15	720	28	0.03	2	1	3	<-20	0.04	<10	<10	20	<10	62
CGCM8D003	<0.005	0.3	0.31	19	<10	30	<-0.5	<-2	11.8	<-0.5	7	3	16	2.07	<-10	<1	0.02	10	7.09	1530	<1	0.01	17	1480	29	0.06	3	2	101	<-20	0.01	<10	<10	7	<10	83
CGCM8D004	<0.005	0.3	1.77	16	<10	50	0.6	<-2	0.39	0.8	19	16	35	3.85	<-10	<1	0.04	30	0.52	1380	<1	<-0.01	37	1160	54	0.05	<-2	5	9	<-20	0.04	<10	<10	20	<10	110
CGCM8D005	<0.005	0.6	1.61	17	<10	50	0.6	<-2	0.24	2.6	23	16	42	4.94	<-10	<1	0.04	30	0.59	1990	<1	<-0.01	53	760	96	0.03	3	5	8	<-20	0.03	<10	<10	18	<10	419
CGCM8D006	<0.005	<-0.2	1.82	9	<10	30	<-0.5	<-2</																												

Appendix II. Silt Sample Locations & Geochemistry

Sample Name	Easting UTM	Northing NAD 83	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
MGCM8T001	523673	5501884	<0.005	0.2	1.29	27	5	70	0.2	1	0.24	0.9	16	18	26	2.62	5	0.5	0.03	20	0.54	1335	0.5	0.005	36	650	47	0.03	1	1	9	10	0.02	5	5	10	5	207
KQCM8T001	523781	5503425	<0.005	1.5	1.18	55	5	230	0.2	2	0.35	1	19	10	56	3.55	5	0.5	0.21	10	0.44	1030	1	0.01	33	500	254	0.04	3	2	9	10	0.07	5	5	12	5	216
CGCM8T001	524129	5501866	<0.005	0.2	1.03	11	5	150	0.2	1	0.31	0.6	13	10	24	2.99	5	0.5	0.08	10	0.48	904	0.5	0.005	23	620	39	0.03	3	1	7	10	0.03	5	5	13	5	120
CGCM8M001	524146	5501810	0.009	0.5	1.54	6	5	230	0.2	1	1.32	0.5	15	21	45	3.05	5	0.5	0.35	10	2.48	716	0.5	0.005	25	570	50	0.06	3	3	20	10	0.1	5	5	30	5	147

Appendix III. Blank Geochemistry

Sample Name	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
MGCM8S015A	<0.005	<0.2	0.53	<2	<10	60	<0.5	2	0.44	<0.5	3	9	4	2	<10	<1	0.16	20	0.25	242	<1	0.01	3	1270	<2	0.01	<2	1	37	<20	0.07	<10	<10	44	<10	26
MGCM8S030A	<0.005	<0.2	0.54	<2	<10	60	<0.5	<2	0.44	<0.5	4	10	6	2.16	<10	<1	0.16	20	0.25	245	<1	<0.01	5	1270	2	<0.01	<2	1	34	<20	0.07	<10	<10	50	<10	28
MGCM8S045A	0.005	<0.2	0.52	<2	<10	60	<0.5	<2	0.43	<0.5	3	11	16	2.11	<10	<1	0.15	20	0.24	234	<1	<0.01	5	1280	2	<0.01	<2	1	33	<20	0.07	<10	<10	49	<10	27
KQCM8S015	<0.005	0.2	0.4	<2	<10	60	<0.5	<2	0.43	<0.5	3	8	5	1.89	<10	<1	0.12	20	0.19	219	<1	<0.01	3	1300	2	<0.01	<2	1	28	<20	0.06	<10	<10	44	<10	31
KQCM8S030	<0.005	<0.2	0.39	2	<10	50	<0.5	<2	0.45	<0.5	3	8	5	1.96	<10	<1	0.12	20	0.2	214	<1	<0.01	3	1330	2	<0.01	<2	1	28	<20	0.06	<10	<10	46	<10	33
KQCM8S045	<0.005	<0.2	0.43	<2	<10	60	<0.5	<2	0.47	<0.5	3	9	4	2.32	<10	<1	0.13	20	0.21	259	<1	0.01	3	1390	<2	0.01	<2	1	35	<20	0.06	<10	<10	52	<10	37
CGCM8D013	<0.005	<0.2	0.38	<2	<10	40	<0.5	<2	0.37	<0.5	3	7	4	1.76	<10	<1	0.12	20	0.18	187	<1	<0.01	4	1170	<2	<0.01	<2	1	24	<20	0.05	<10	<10	41	<10	27
CGCM8D027	<0.005	<0.2	0.41	<2	<10	60	<0.5	<2	0.39	<0.5	3	8	5	1.83	<10	<1	0.13	20	0.2	214	<1	0.01	4	1190	2	0.01	<2	1	28	<20	0.06	<10	<10	42	<10	34

Appendix IV. Cost Statement

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal	
Charlie Greig - Geologist	June 30-July 1st	2	\$650.00	\$1,300.00	
Roy Greig - Chief Bagger	June 30-July 1st	2	\$350.00	\$700.00	
Kei Quinn - Soil sampler	June 30-July 1st	2	\$275.00	\$550.00	
Mairi Greig - Soil Sampler	June 30-July 1st	2	\$275.00	\$550.00	
Kelsey Rufiange - Soil Sampler	June 30-July 1st	2	\$275.00	\$550.00	
				\$3,650.00	\$3,650.00
Office Studies	List Personnel (note - Office only, do not include field days)				
Literature search			\$0.00	\$0.00	
Database compilation			\$0.00	\$0.00	
Computer modelling	Roy Greig	0.5	\$275.00	\$137.50	
Reprocessing of data	Susan Flasha	1.0	\$450.00	\$450.00	
General research	Susan Flasha	1.0	\$450.00	\$450.00	
Report preparation	Charlie Greig	1.0	\$650.00	\$650.00	
Other (specify)				\$1,687.50	
				\$3,375.00	\$3,375.00
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Stream sediment			\$0.00	\$0.00	
Soil			\$0.00	\$0.00	
Rock			\$0.00	\$0.00	
				\$0.00	\$0.00
Transportation		No.	Rate	Subtotal	
truck rental	2 days 85/day	2	\$85.00	\$170.00	
kilometers	726 kilometres - pen to property	726	\$0.35	\$254.10	
fuel			\$0.00	\$0.00	
Other					
				\$424.10	\$424.10
Accommodation & Food	Rates per day				
Hotel	88/night - Crawford Bay Inn	2.00	\$88.00	\$176.00	
Camp			\$0.00	\$0.00	
Meals	5 ppl, 2 days, \$50/day	10.00	\$50.00	\$500.00	
				\$676.00	\$676.00
Equipment Rentals					
Field Gear (Specify)	sample bags, flagging, sat phone		\$0.00	\$87.00	
Other (Specify)					
				\$87.00	\$87.00
Freight, rock samples					
freight	Greyhound to Vancouver		\$0.00	\$52.00	
				\$0.00	\$0.00
				\$52.00	\$52.00
TOTAL Expenditures					\$8,264.10

Appendix V. Statement of Qualifications

I, Susan Teresa Flasha, of 764 Government St, Penticton, British Columbia, Canada, hereby certify that:

1. I am a graduate of the Okanagan University College with a B.Sc. (Earth & Environmental Science, 2003), and have practiced my profession continuously since graduation.
2. I have been employed in the geoscience industry for 5 years, and have explored for gold and base metals in Canada for junior mining companies.
3. I am not aware of any material fact or material change with respect to the subject matter of the technical report that is not reflected in the technical report, the omission to disclose which makes the technical report misleading.
4. I am an author of the report entitled; “2008 Soil Geochemistry on the Commonwealth Property” dated February 2009. I worked on and supervised the work program reported on herein. I have been involved with exploration on behalf of C. J. Greig & Associates Ltd. since January 2004.

Dated at Penticton, British Columbia, this 6th day of February, 2009.

Respectfully submitted,

“Susan Teresa Flasha” - signed

Susan Teresa Flasha, B.Sc.

I, Charles James Greig, of 250 Farrell St., Penticton, British Columbia, Canada, hereby certify that:

1. I am a graduate of the University of British Columbia with a B.Comm. (1981), a B.Sc. (Geological Sciences, 1985), and an M.Sc. (Geological Sciences, 1989), and have practiced my profession continuously since graduation.
2. I have been employed in the geoscience industry for over 25 years, and have explored for gold and base metals in North, Central, and South America, and Africa and Asia Minor for both senior and junior mining companies, and have a number of years of experience in regional-scale government geological mapping.
3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia (license #27529).
4. I am a “Qualified Person” as defined by National Instrument 43-101.
5. I am not aware of any material fact or material change with respect to the subject matter of the technical report that is not reflected in the technical report, the omission to disclose which makes the technical report misleading.
6. I am 100% owner of the Commonwealth claims.
7. I am the author of the report entitled: “2008 Soil Geochemistry on the Commonwealth Property” dated January 2009. I worked on and supervised the work program reported on herein.

Dated at Penticton, British Columbia, this 6th day of February, 2009.

Respectfully submitted,

“Charles James Greig”

Charles James Greig, P.Geol