

BC Geological Survey
Assessment Report
33479c

Appendix 4

Rock Sample Descriptions



Sample Descriptions Query

Tuesday, November 27, 2012

11:03:55 AM

Station_ID	E_UTM	N_UTM	OC_Lith_1	Float_Lith	Graphite Est (%)	Graphite_pct	Py_pct	Descriptions
55201	427221	5557790	S_QBGr		2	2.34	1	Limonitic-jarositic quartz-biotite-graphite schist with compositional layering (probably bedding). Well foliated parts are quartz-rich graphitic sediments (quartzites) with fine-grained pyrite.
55202	427208	5557802	S_QBGr		4	2.2	1	Fine-grained quartz-rich biotite schist with 4% graphite. Darker layers are graphite rich. Lighter grey quartzite layers are relatively graphite poor.
55203	427204	5558136	S_QBGr		4	2.04		Sub outcrop. Dark grey fine-grained biotite-muscovite-graphite schist.
55204	426982	5557126	S_QBGr		2	0.42		Fine-grained med to dark grey schistose quartzite intercalated with quartz-biotite-muscovite-graphite schist. Intercalated with granitic pegmatite and leucocratic granitic gneiss.
55205	427990	5556686	S_QBGr		2	1.56	0.5	Interbedded grey quartzite and fine-grained quartz-biotite-graphite schist. Graphitic parts more strongly gossanous in 2m (+) layers. Disseminated and lency fine-grained pyrite and pyrrhotite. Fine-grained disseminated and clotty chalcopyrite.
55206	427926	5556864	S_QBGr		4	0.85	0.5	Gossanous fine-grained quartz-biotite-graphite schist with ~20% fine-grained biotite, intercalated with thinly laminated dark grey-brown to light grey quartzite. 2-5% graphite. Dark rock. Percentage of graphite difficult to estimate. Darker parts mor
55207	428594	5556521	S_QBGr		4	1.85	1	Sub-outcrop rubble. Strongly gossanous intercalated dark grey-black fine-grained quartzite and quartz-biotite-graphite schist. 1% pyrite as films on fractures and foliation-parallel laminae.
55208	426546	5557986		S_QBGr	2	2.13		Float. Gossanous fine-grained quartz-biotite-graphite schist. In TEM anomaly.
55209	429800	5555361		S_QBGr	2	0.87	1	Float above Chernoff graphite "showing" on Upper Fisher road. Gossanous fine-grained quartz-biotite-graphite schist. Some medium-grained biotite muscovite schist.
55210	429851	5555341	S_QB			0.54	1	Fine-grained dark grey-brown quartzite and quartz-biotite-graphite schist with 1% very fine-grained disseminated and fracture coating pyrite.

Station_ID	E_UTM	N_UTM	OC_Lith_1	Float_Lith	Graphite Est (%)	Graphite_pct	Py_pct	Descriptions
55211	427055	5558097		S_QBGr	4	2.14		Sub-outcrop to float. Gossanous fissile quartz-biotite-graphite schist with 4-5% very bright dark blue-grey graphite.
55212	427088	5558140		S_QBGr		0.44		Float. Gossanous fissile fine to medium-grained quartz-biotite-muscovite-graphite schist. Bright fine-grained dark blue-grey graphite. Gives good smudge on finger. In anomaly.
55213	427097	5558250	S_QBGr		1	0.33	0.1	Thinly laminated quartzite and quartz-biotite-graphite schist below a leucocratic gneissic sill. 1% graphite and traces of pyrite.
55214	426978	5558220		QZTGr	2	0.38		From large boulder near source. Gossanous weathering light grey thinly laminated quartzite with 2% fine-grained bright blue-grey disseminated and layered graphite (layers to 3mm). 2% graphite overall?
55215	427104	5557875		S_QBGr	3	2.08	1	Float near source. Strongly gossanous and fissile and thinly laminated fine-grained quartz-biotite-graphite schist intercalated with dark grey fine-grained quartzite. 3-4% fine grained graphite, and 1% disseminated and fracture-related pyrite.
55216	426204	5558153		S_QBGr	4	2.14	0.1	Float on old road. Boulder approximately 30cm diameter. Gossanous weathering, fissile, black fine-grained quartz-biotite-graphite schist with 4-5% graphite and traces of pyrite. Strong smudge on finger.
55217	426063	5558472		S_QBGr		2.7		Boulder approximately 30cm diameter on old road. Gossanous weathering black fine-grained quartz-biotite-graphite schist. Good smudge on finger.
55218	426057	5558509		S_QBGr		3.67		Rubble on old road. Possible road balast. Black fine-grained quartz-biotite-graphite schist.
55219	425582	5558406		S_QBGr	3	1.36	1	30cm boulder FLOAT of gossanous intercalated fine-grained dark grey quartzite and fine-grained quartz-biotite-graphite schist with 3-4% bright graphite and 1-2% fine-grained disseminated and foliation parallel lenses of pyrite.
55220	425396	5558323		QZTGr	0.1	0.03	2	Gossanous float on old road. Dark greenish-grey fine-grained quartzite with 2% disseminated and lency pyrite, and traces of graphite.

Station_ID	E_UTM	N_UTM	OC_Lith_1	Float_Lith	Graphite Est (%)	Graphite_pct	Py_pct	Descriptions
55221	425269	5558101		S_QBGr	4	2.77		30cm boulder on old road. Gossanous, fissile black fine-grained quartz-biotite-graphite schist with 4-5% fine-grained graphite.
55222	427037	5555067	HFLS		0.1	0.65	1	Outcrop in road cut. Strongly gossanous, tough, very fine-grained dark grey-brown quartzite or possibly hornfelse with very fine-grained biotite and possible traces of graphite. 1-2% fine-grained disseminated and lense pyrite.
55223	424770	5553483		S_QBGr	1	2.65	1	Angular float near source (?). Strongly gossanous and fissile. Dark grey fine-grained quartz-biotite-graphite schist. Weak smudge. 1-2% graphite and 1-2% very fine-grained disseminated pyrite.
55224	424694	5553442	S_QBGr		1	3.72		Outcrop. Gossanous, fissile, fine-grained dark grey quartz-biotite-graphite schist. Graphite occurs as fine-grained bright blue-grey flake on foliation planes. Provides only a weak smudge.
55225	424606	5553347	QZTGr		1	1.9		Gossanous, fissile, very fine-grained intercalated dark grey quartzite and quartz-biotite-graphite schist. Graphite estimated at 1-2%. 1% disseminated and fracture coating pyrite.
55226	424581	5553329	QZTGr		1	2.95	1	Interbedded / intercalated, gossanous weathering, medium grey fine-grained quartzite (+graphite) and fine-grained quartz-biotite-graphite schist. Graphite estimated at 1-2%.
55227	424898	5553345	S_QB			3.5		Gossanous, fissile, intercalated dark grey fine-grained quartzite and quartz-biotite schist. No graphite noted, but light is poor.
55228	424612	5554562	S_QBGr		1	0.66	1	Small outcrop. Gossanous fissile to massive dark grey fine-grained quartzite and quartz-biotite-graphite schist. 1-2% graphite. 1-2% disseminated pyrite.
55229	424542	5553931		QZTE	3	0.58	1	Float. Boulder roughly 0.5m diameter. Strongly gossanous dark grey fine-grained quartzite and quartz-biotite-graphite schist. 3% graphite and 1% fine-grained disseminated pyrite.
55230	428738	5555269	QZTE			0.15		Gossanous dark to medium brown-grey thinly bedded fine-grained quartzite and quartz-biotite-muscovite schist. No graphite noted.

Station_ID	E_UTM	N_UTM	OC_Lith_1	Float_Lith	Graphite Est (%)	Graphite_pct	Py_pct	Descriptions
55231	428509	5554242	QZTE			0.77		Thinly bedded medium to dark grey fine-grained quartzite intercalated with fine-grained quartz-biotite schist with 2% fine-grained disseminated and fracture-related pyrite. Non gossanous and non graphitic.
55232	426888	5553355	S_BM		0.5	1.95	1	Intercalated medium-grained biotite-muscovite schist and fine-grained quartz-biotite- +/-graphite schist. Generally non graphitic, perhaps averaging <1% graphite. 1% fine-grained disseminated pyrite.
55233	426729	5553197	S_QBGr		1	2.82		Strongly gossanous, fissile, fine-grained quartz-biotite-graphite schist. Weak smudge. Graphite estimated at 1-2%.
55234	426714	5553192	S_QBGr		1	3.26	1	Gossanous, fissile fine-grained dark grey quartz-biotite-graphite schist. Graphite 1-3%; generally fine-grained and sooty with an erratic distribution. 1% pyrite on fracture surfaces and disseminate.
55235	426680	5553173	S_QBGr		1	3.42		Moderately gossanous fissile sequence of quartzites and schist. Intercalated dark grey fine-grained quartzite and quartz-biotite-graphite schist with 1-2% graphite. Other parts are medium greenish-grey quartzites with little or no graphite. Perhaps ave
55236	428009	5552855	QZTGr		4	1.23	1	Strongly gossanous, fissile to massive and tough, banded fine-grained quartzite and dark grey quartz-biotite-graphite schist. Graphite average ~4%. More abundant in darker layers. 1% fine-grained pyrite disseminated and on fracture surfaces.
55237	428020	5552858	S_QBGr		3	2.6		Gossanous, fine-grained, dark grey, fissile, quartz-biotite-graphite schist with 3-4% graphite.
55238	422391	5557548		S_QBMGr	3	0.77	1	Composite of several large pieces of float in the ditch. Near source. M-g quartz-muscovite-biotite-graphite schist. 3-5% graphite in flakes up to 2mm. M-g pyrite cubes in quartz. Sporadic Cp (<1% overall).
55239	422387	5557548	S_QBMGr		4	0.87	1	Gossanous m-g quartz-biotite-muscovite-graphite schist with 4% sproadic graphite in flakes to 1mm. Py ~1% in clots to 1mm.
55240	422373	5557579	S_QBMGr		5	0.97		Outcrop in ditch. Gossanous m-g quartz-muscovite-biotite-graphite schist and m-g quartz muscovite-graphite schist with 5% flake graphite to 1mm.

Station_ID	E_UTM	N_UTM	OC_Lith_1	Float_Lith	Graphite Est (%)	Graphite_pct	Py_pct	Descriptions
55241	422364	5557581		S_QBGr	7	2.58		Boulder in ditch. Intensely gossanous m-g quartz-biotite-graphite schist. 7-8% very bright reflectance dark blue-grey flake graphite to 2mm.
55242	422338	5557598	S_QMGr		3	1.36		Moderately gossanous light grey quartz-muscovite-graphite schist with 3-4% graphite flakes to 2mm. No biotite noted.
55243	422294	5557797	S_QBGr		2	1.38		Fine to m-g dark grey quartz-biotite-graphite schist with 2-4% graphite. Rock is very tough.
55244	422316	5557911	S_QBMGr		4	1.97		M-g quartz-muscovite-biotite-graphite schist with 75% quartz, 10-15% muscovite, 3-4% biotite and 4-5% graphite in flakes to 0.5mm. Minor green fuchsite (?). Near old sample 1429518.
55245	421633	5558024		QZTE	3	0.63		Boulder float to 1m near source. Sub outcrop rubble. Gossanous, fissile, medium grey fine to medium-grained quartzite and quartz-biotite schist. Granular quartz and minor biotite with 3-4% graphite in flakes to 0.5mm. Adjacent white pegmatite.
55246	421546	5558050	S_QMGr			3.67		Resample of Bruce Doyle's sample 1429519. Sub-outcrop rubble on road west of Big Flake showings. Gossanous, fissile, light grey f-g quartz-muscovite schist with fuchsite lenses. 4-5% sub-millimetre graphite. No biotite apparent.
55247	421514	5558048	CASIGr			2.72		Resample of Bruce Doyle's sample 1429418. Bedded sequence with dark greenish-grey graphitic calc silicate layers (8-10% graphite in flakes to 0.5mm) and less graphitic quartz-rich layers. Estimated 4-5% graphite overall. In contact with pegmatite to S
55248	421256	5558149	S_QBGr		1	0.76		Suboutcrop rubble with boulders to 1m. Quartz-biotite-graphite schist with layers to 2mm of coarse grained graphite in flakes to 1mm. Graphite estimated at 4% overall.
55249	423376	5556483	S_BMGr		5	1.69	1	Strongly gossanous biotite-muscovite-graphite schist. Quartz not abundant, or absent. 5-6% graphite in flakes to 0.5mm and in an amorphous sooty form. Obtained good smudge on finger. 1% fine-grained disseminated and clotty pyrite.
55250	423477	5556517	S_BMGr		2	0.99		Intercalated strongly gossanous medium-grained biotite-muscovite-graphite schist, and fine-grained quartz-biotite-graphite schist with up to 2% graphite.

Station_ID	E_UTM	N_UTM	OC_Lith_1	Float_Lith	Graphite Est (%)	Graphite_pct	Py_pct	Descriptions
55251	423631	5556347	S_QBM			0.18		Same location as GA011. Gossanous fissile to slabby medium-grained quartz-biotite-muscovite schist with traces of chalcopyrite. Non graphitic. Carbonate unit mentioned by Bruce Doyle not located.
55252	423625	5556253		S_QBGr	2	2.14		Angular boulder at side of road. Probably near source (road balast?). Dark grey-black very fine-grained quartz-biotite hornfelse with 2% bright graphite and 1% each of pyrite and chalcopyrite.
55253	423606	5556121	S_QBGr		4	2.27	1	Strongly gossanous dark grey fine-grained quartz-biotite-graphite schist to graphitic quartzite with 4-5% bright dark blue-grey graphite. 1% fine-grained clotty and disseminated pyrite.
55254	423585	5556004	QZTGr		1	0.08	0.1	Gossanous slabby fine-grained quartzite and dark grey quartz-biotite-graphite schist with 1% fine-grained graphite and traces of pyrite.
55255	423540	5555696	S_QBGr		2	1.79	1	Strongly gossanous slabby fine-grained quartzite and dark blue-grey fine-grained quartz-biotite-graphite schist with 2% fine-grained graphite.
55256	423350	5556658	S_QBGr		1	0.56	1	Fine to medium-grained quartz-muscovite-biotite-graphite schist. 1-2% brilliant f-g graphite, 1% pyrite as clots and fracture coatings, and 2% fine-grained disseminated pyrrhotite.
55257	423342	5556788	S_QBGr		1	0.36	1	Gossanous layers in GA177 sequence. Intercalated f-g quartz-biotite-graphite schist and m-g muscovite-biotite schist. Graphitic parts with 1-2% graphite are restricted to 0.5m wide horizons.
55258	422332	5549317	QZTGr		5	1.84	1	Composite grab of material in GA181 area. Gossanous thinly bedded medium to dark grey f-g quartzite with graphite and f-g quartz-biotite-graphite schist with up to 5% f-g bright flake graphite and 1% disseminated pyrite. Graphite distribution sporadic.
55259	422310	5549530	S_QBMGr		4	2.52		F-g friable quartz sandstone to quartz-biotite-muscovite-graphite schist with 2-4% fine-grained graphite. Some horizons of indurated quartz-muscovite-graphite schist and quartzite with f-g bright flake graphite. Some layers with no graphite.

Station_ID	E_UTM	N_UTM	OC_Lith_1	Float_Lith	Graphite Est (%)	Graphite _pct	Py_pct	Descriptions
55260	423091	5549178	S_QBGr		5	1.74	1	Composite grab of rubble near source. F-g dark grey quartz-biotite-graphite schist with 5% f-g bright flake graphite and 1% disseminated pyrite.
55261	423214	5549164	S_QBGr		5	1.62	1	Strongly gossanous, f-g quartz muscovite biotite schist interbanded with fine-grained dark blue-grey quartz-biotite-graphite schist with 5% graphite and 1% f-g disseminated pyrite. Rock is tough. Same location as GA203.
55262	423161	5549511	S_QBGr		1	0.78	1	Near GA208. Grab of rubble at base of cliff. Near source. Fine to medium-grained quartz-biotite-graphite schist with 1-2% fine grained graphite and 1-2% f-g disseminated pyrite. Most of surrounding outcrops are non graphitic.
55263	423420	5549607	S_QBMGr		4	2.36		Moderately gossanous, fine-grained tough quartz-biotite-muscovite-graphite schist with 4% bright f-g flake graphite. Sampled material from base of road cut. Outcrop of quartzite not actually graphitic. Inconsistently mineralized.
55264	423501	5549622	QZTGr		5	3.42		Intercalated sequence of quartzite, fine-grained quartz-biotite-graphite schist, and course-grained biotite schist. Graphitic horizons are strongly gossanous with slabby cleavage, and 5% very bright f-g flake graphite. Graphite inconsistent through sequ
55265	423569	5549618	S_QBGr		6	5.38		Old sample JK139 (John Kerr's sample). Higher grade graphitic part is a f-g quartz-biotite-muscovite-graphite schist with 6-7% very bright flake graphite. Adjacent beds are light grey quartzite with 1-2% disseminated graphit. Not consistent.
55266	423689	5549584	QZTGr			3.89		Thinly laminated / bedded fine-grained quartzite and quartz-biotite-graphite schist. Graphitic unit possibly on a few 10's of cms thick. Adjacent strata in footwall are barren quartzites.
55267	424325	5549887	S_QBGr			2.69		Thinly bedded f-g quartz-biotite-graphite schist and quartzite with graphite. Possible re-sample of JK140.
55268	424704	5550170	S_QBGr		4	1.35		Moderately gossanous f-g quartz-biotite-graphite schist with 4% bright f-g flake graphite.

Appendix 5

Assay Certificates

Jumbo Graphite Property
Acme Labs - VAN12005090, Nov. 2012

Station_ID	Graphite	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	Ni_ppm	Co_ppm	Mn_ppm	Fe_pct	As_ppm	Au_ppb	Th_ppm	Sr_ppm	Cd_ppm	Sb_ppm	Bi_ppm	V_ppm	Ca_pct
55201	2.34	22.2	43.4	7.4	46	0.6	49.4	6	55	1.77	0.8	0.6	1.7	243	0.8	0.05	0.5	46	2.47
55202	2.20	20	37.1	9.5	51	0.3	111.3	15.1	112	2.47	1.1	1.2	1.5	320	0.5	0.05	0.5	47	4.03
55203	2.04	4.5	54.5	2.1	35	1.1	138.2	13.5	54	1.5	0.25	0.25	2.7	43	0.5	0.05	0.5	21	0.53
55204	0.42	4.6	59.7	7	89	0.5	37.3	8.6	564	2.89	0.25	1.1	2.6	142	0.6	0.05	0.4	74	1.33
55205	1.56	140.1	49.1	10.2	67	0.6	56.9	10	211	2.4	0.8	1	4.8	162	0.6	0.05	0.3	75	2.36
55206	0.85	4.2	94.6	3.5	129	1.4	66.7	12.4	434	2.39	0.25	0.25	3.7	54	0.7	0.05	0.4	97	0.63
55207	1.85	2.5	52.2	3.6	69	1.8	65.4	12.6	63	2.55	0.5	0.25	1.9	213	0.7	0.05	0.4	106	1.65
55208	2.13	25.3	25.5	10.6	29	0.4	93.3	11.1	74	2.15	1.1	0.25	1.1	299	0.2	0.05	0.3	18	3.6
55209	0.87	4.1	48.4	3.5	106	0.5	31	8.2	521	3.79	0.25	0.5	2.8	8	0.05	0.05	0.4	96	0.15
55210	0.54	1.5	41.5	3.9	84	0.9	31.7	7	242	1.93	0.8	1.4	2.5	151	0.2	0.05	0.2	120	1.13
55211	2.14	16.2	30.4	8.1	42	0.3	43.2	8.4	152	2.35	1	0.25	2.2	253	0.1	0.05	0.5	75	2.92
55212	0.44	3.2	51.9	2.3	158	0.3	55.6	8.6	339	2.63	0.6	0.9	2	8	0.6	0.05	0.3	202	0.15
55213	0.33	2.3	20	2.6	20	0.2	16.5	4.3	60	1.08	0.7	0.5	6.5	90	0.3	0.05	0.2	17	0.73
55214	0.38	0.8	7.5	1.7	12	0.05	10.3	1.6	51	0.45	0.6	0.25	1.4	7	0.3	0.05	0.1	5	0.34
55215	2.08	6.3	37.2	8.9	30	0.4	83.9	13.8	61	2.12	0.9	0.25	1.5	292	0.6	0.05	0.3	9	3.58
55216	2.14	4.2	32.8	4.8	54	0.7	96.5	11.3	381	3.51	0.25	2	3.5	162	0.3	0.05	0.7	87	2
55217	2.70	3.8	64.9	2.3	51	1.9	64.3	13.6	72	1.87	0.25	0.7	0.5	50	0.2	0.05	0.3	79	0.46
55218	3.67	6.6	36.6	2.5	34	1.4	21.5	3.8	28	1.75	0.25	0.7	0.5	71	0.4	0.05	0.5	26	0.54
55219	1.36	6.5	74.5	10.9	97	0.4	70.3	9.5	233	2.38	0.6	0.25	3.2	318	1	0.05	0.3	98	2.84
55220	0.03	1.3	73.8	1.9	39	0.3	15.6	5.1	155	3.18	0.25	0.25	6.8	30	0.2	0.05	0.6	14	0.67
55221	2.77	30.2	40.5	11.2	31	0.2	203.5	20.6	49	2.39	0.8	0.25	1	259	0.9	0.05	0.6	14	3.42
55222	0.65	44.7	43.5	4.8	157	0.9	36	8.9	368	2.52	1.5	0.25	5.2	131	1.4	0.05	0.2	146	1.56
55223	2.65	7.8	47.8	4.1	144	1.7	88.4	11	75	2.3	0.5	0.25	2.3	259	1.3	0.05	0.7	50	1.22
55224	3.72	6.3	55.1	6.8	73	2.5	82	10.3	85	2.63	0.25	0.25	2.6	101	0.9	0.05	0.2	131	0.8
55225	1.90	21.5	72.3	4.8	31	1.4	349.5	26.9	67	2.14	0.25	0.25	1.5	32	2	0.05	1.2	33	0.68
55226	2.95	6.2	51.9	5.4	38	0.7	158.7	13.3	39	1.62	0.25	1.5	3.8	19	0.8	0.05	0.4	45	0.45
55227	3.50	5.2	49.2	6.7	85	1.4	100.6	11.1	97	2.45	0.25	2	1.8	264	0.7	0.05	0.2	48	1.83
55228	0.66	45.5	28.3	6.5	66	0.2	30.8	10.9	235	2.97	0.25	1.7	3.8	5	0.05	0.05	0.3	102	0.28
55229	0.58	3.1	71.8	4.2	54	0.6	63	9.6	237	1.88	0.25	1.8	1.3	90	0.9	0.05	0.3	38	0.99
55230	0.15	1.1	66.2	1.9	109	1	24.7	10.7	440	3.49	0.25	2.7	1.3	11	0.05	0.05	0.1	83	0.16
55231	0.77	3.2	69.7	4.3	131	1.1	83.1	9	640	1.96	1	0.25	3.4	207	1.1	0.2	0.2	73	5.84
55232	1.95	19.1	67.6	9.4	332	0.3	59.5	9.1	243	2.07	0.7	0.25	3.1	218	6.2	0.05	0.4	234	2.33
55233	2.82	12	48.9	11	42	0.3	46.7	10.3	110	2.57	0.6	0.25	1.3	257	0.2	0.05	0.4	44	2.56
55234	3.26	8.4	61.8	5.8	120	2.8	71.2	10.3	52	2.28	0.25	1.8	0.9	92	1	0.05	0.2	32	1.02
55235	3.42	5.1	52.8	5.3	145	1.9	86	9.4	131	2.94	0.25	2.8	1.5	168	0.8	0.2	0.2	47	1.39
55236	1.23	12.7	56.9	4.4	48	0.7	121.1	18.1	91	2.37	0.25	1.5	2.3	24	0.4	0.05	0.7	64	0.62
55237	2.60	4.1	18.1	9.7	5	1.1	5.3	1.4	53	1.35	0.25	1.6	1.2	14	0.05	0.05	0.7	14	0.43
55238	0.77	5.9	56.6	7.7	190	0.5	84.8	10.3	190	3.06	1.7	0.7	2.1	94	2.6	0.05	0.5	164	0.91
55239	0.87	2.5	67	14.8	168	0.6	44.6	3.2	94	5.62	42.3	3.3	4.2	5	0.4	0.8	0.4	174	0.01
55240	0.97	5.7	44.9	8.1	106	0.3	30.8	2.5	172	3.72	0.25	0.25	1.7	8	0.05	0.05	0.4	170	0.06
55241	2.58	2	149.9	1.5	228	1.3	97	14.9	174	3.85	0.25	0.25	0.6	4	1.2	0.05	0.7	207	0.15
55242	1.36	10.6	42.3	5.6	404	1.4	30.9	6.3	29	2.36	1	0.7	1.3	5	5.9	0.05	0.1	169	0.04
55243	1.38	19	55.8	1.9	2320	0.4	56	5.9	175	1.81	0.25	2.6	1	28	29.6	0.05	0.3	651	0.43
55244	1.97	20	39.6	2.6	459	1.6	16.2	2.1	153	1.02	0.25	0.25	1.3	7	7	0.05	0.2	225	0.35
55245	0.63	1.8	18.1	2.8	17	0.7	26	6.1	69	0.98	0.25	1.8	3.5	108	0.7	0.05	0.4	7	2.17
55246	3.67	6	30.6	4.2	29	1.7	75	5.8	33	2.59	0.25	1.5	0.5	156	0.2	0.05	0.5	13	1.81
55247	2.72	13.6	5.5	5	70	0.1	78.7	3.5	61	0.31	0.8	1.1	0.9	616	0.5	0.05	0.2	21	4.29
55248	0.76	2.4	33.1	4.1	34	0.4	32.2	6.4	143	1.44	1.8	3.8	2.1	227	0.3	0.05	0.2	33	2.67
55249	1.69	1.8	46.9	3.6	100	0.3	42.8	11.5	269	3.07	0.25	1.9	2.6	0.5	0.05	0.05	0.7	83	0.03
55250	0.99	1.1	31.9	5.6	81	0.2	21.6	7.7	479	3.15	0.25	0.5	3.5	2	0.05	0.05	0.6	143	0.17
55251	0.18	0.8	23.4	9.2	72	0.2	14.8	6.5	176	2.99	0.25	0.25	5.7	5	0.2	0.05	0.2	61	0.09
55252	2.14	11.2	75.3	2.9	133	0.6	62.6	8.6	79	1.72	0.25	0.25	0.6	141	2.5	0.05	0.4	40	2.82

Jumbo Graphite Property
Acme Labs - VAN12005090, Nov. 2012

Station_ID	Graphite_g	Mo_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	Ni_ppm	Co_ppm	Mn_ppm	Fe_pct	As_ppm	Au_ppb	Th_ppm	Sr_ppm	Cd_ppm	Sb_ppm	Bi_ppm	V_ppm	Ca_pct
55253	2.27	9.7	36.4	6.1	56	0.5	117.6	16	242	3.22	0.25	2.6	1.4	131	0.4	0.05	0.6	94	1.06
55254	0.08	1.1	10.9	3	22	0.1	11.4	5.4	117	1.64	0.25	0.25	9.9	21	0.05	0.05	0.1	35	0.53
55255	1.79	3.3	39.6	4.6	45	0.3	55.2	14.8	165	2.59	0.25	1.3	2.7	135	0.3	0.05	0.4	78	1.55
55256	0.56	5.5	51.4	3.5	123	0.2	98.7	17.2	250	2.72	0.25	0.25	3.1	58	0.5	0.05	0.4	290	1.54
55257	0.36	1.9	94.9	3.5	86	0.3	37.9	17.9	508	3.15	0.25	2.3	4.1	9	0.05	0.05	0.6	63	0.22
55258	1.84	9.3	61.1	4.8	104	1.7	58.1	6.8	127	1.83	0.25	5.2	1.1	269	2.3	0.05	0.2	54	2
55259	2.52	43.1	52.5	1.2	63	1.5	24.2	2.9	235	1.55	0.25	5.7	3	20	0.9	0.05	0.4	158	0.47
55260	1.74	10.1	77.1	5.3	128	1.6	77.5	9.3	209	1.94	0.25	0.25	1.5	159	2	0.05	0.2	61	1.81
55261	1.62	6.7	75.8	5.5	51	1.6	81.8	7.7	55	1.79	0.5	1	0.6	296	1.1	0.05	0.2	14	3.64
55262	0.78	3.3	39.6	2.2	105	0.6	54.9	9.2	525	2.72	0.25	0.9	4.9	55	0.2	0.05	0.1	80	0.77
55263	2.36	37.9	94.2	1.3	472	0.9	44.6	7.9	334	2.15	0.25	0.25	4.8	10	9.5	0.05	0.4	567	0.19
55264	3.42	57.8	22.7	1.7	138	0.8	5.5	1.1	424	1.93	0.25	0.25	3.8	10	1.4	0.05	0.4	655	0.12
55265	5.38	73	31.3	2	278	1.6	15	1.1	122	2.68	0.25	0.25	1.5	22	3.5	0.05	0.2	218	0.33
55266	3.89	36.5	12.7	1.6	127	1.9	1.2	0.2	146	0.91	0.25	1.8	1.9	10	2	0.05	0.3	543	0.18
55267	2.69	7.2	49.1	4.4	42	1.4	107.6	12.1	32	1.86	0.25	0.25	0.9	176	1.1	0.05	0.2	10	1.33
55268	1.35	10.2	24.6	2	131	0.5	8.9	2.1	342	2.29	0.25	1.8	1.3	4	0.05	0.05	0.2	341	0.31

Jumbo Graphite Property
Acme Labs - VAN12005090, Nov. 2012

Station_ID	P_pct	La_ppm	Cr_ppm	Mg_pct	Ba_ppm	Ti_pct	B_ppm	Al_pct	Na_pct	K_pct	W_ppm	Hg_ppm	Sc_ppm	Tl_ppm	S_pct	Ga_ppm	Se_ppm	Te_ppm
55201	0.085	4	33	0.13	48	0.057	10	2.94	0.41	0.06	0.3	0.005	1.1	0.1	0.82	7	7.4	0.1
55202	0.074	4	78	0.53	69	0.103	10	5.96	0.508	0.31	0.2	0.005	3.5	0.4	1.68	14	3.4	0.1
55203	0.101	7	42	0.27	41	0.076	10	0.47	0.086	0.15	0.2	0.005	0.9	0.2	0.92	2	10.9	0.1
55204	0.075	7	54	1	545	0.208	10	3.11	0.115	0.89	0.2	0.005	9.2	0.5	0.41	11	5.5	0.1
55205	0.116	12	38	0.7	43	0.15	10	3.67	0.3	0.5	0.9	0.005	4.6	0.4	0.85	10	3.6	0.1
55206	0.099	6	87	1.2	119	0.19	10	1.7	0.176	0.86	0.3	0.005	9.1	0.5	1.06	7	9.4	0.1
55207	0.085	4	110	0.61	125	0.101	10	2.38	0.253	0.21	0.2	0.005	8.8	0.2	1.68	7	19.9	0.1
55208	0.055	3	24	0.15	28	0.059	10	5.02	0.467	0.08	0.3	0.005	0.9	0.1	0.87	12	2	0.1
55209	0.075	8	79	1.37	498	0.318	10	2.29	0.043	1.5	0.1	0.005	9.5	0.5	0.24	9	3.1	0.1
55210	0.04	6	88	1.04	139	0.193	10	2.68	0.105	0.77	0.05	0.005	10.2	0.3	0.28	10	4.5	0.1
55211	0.067	4	118	0.73	124	0.124	10	5.07	0.42	0.35	0.3	0.005	7.2	0.4	0.87	13	1.8	0.1
55212	0.085	4	138	1.44	739	0.247	10	2.04	0.04	1.32	0.2	0.005	10.5	0.6	0.21	8	2.3	0.1
55213	0.099	16	13	0.19	36	0.078	10	0.87	0.122	0.06	1.3	0.005	1.1	0.05	0.13	2	4	0.1
55214	0.014	4	14	0.12	35	0.05	10	0.11	0.017	0.02	0.3	0.005	0.4	0.05	0.025	0.5	0.25	0.1
55215	0.054	4	11	0.05	18	0.051	10	3.34	0.502	0.06	0.2	0.005	0.8	0.05	1.2	7	2.9	0.1
55216	0.075	10	280	0.93	209	0.17	10	4.07	0.185	0.23	0.2	0.005	8.6	0.2	0.67	12	3.1	0.1
55217	0.073	2	128	0.56	88	0.108	10	0.9	0.072	0.29	0.1	0.005	7.2	0.2	1.09	4	16.1	0.1
55218	0.133	2	45	0.08	53	0.049	10	0.62	0.068	0.03	0.2	0.005	1.7	0.05	0.47	2	15.8	0.1
55219	0.06	10	57	0.45	376	0.107	10	4.3	0.13	0.16	0.2	0.005	2.6	0.05	0.63	9	4.8	0.1
55220	0.116	19	11	0.26	21	0.093	10	0.45	0.1	0.09	0.3	0.005	0.9	0.05	1.49	2	8.3	0.1
55221	0.085	3	32	0.09	31	0.066	10	4.84	0.349	0.05	0.4	0.005	0.9	0.05	1.69	12	5	0.1
55222	0.065	5	66	1.56	82	0.196	10	3.6	0.238	0.82	0.5	0.005	10.3	0.4	0.64	12	3.2	0.1
55223	0.109	7	73	0.5	13	0.086	10	1.84	0.22	0.15	0.3	0.005	1.4	0.2	1.08	5	12.6	0.1
55224	0.108	7	256	0.84	118	0.109	10	1.85	0.095	0.13	0.3	0.005	6.5	0.1	0.74	6	22.2	0.1
55225	0.075	3	108	0.11	19	0.049	10	0.7	0.124	0.04	6	0.005	1.1	0.2	1.94	3	15.2	0.1
55226	0.067	7	94	0.23	41	0.075	10	0.28	0.04	0.08	0.2	0.005	1.8	0.05	1.11	2	15.6	0.1
55227	0.14	6	106	0.29	62	0.061	10	2.25	0.251	0.08	0.2	0.005	1.7	0.05	0.34	5	11.4	0.1
55228	0.058	9	61	1.32	63	0.283	10	1.72	0.042	0.78	0.2	0.005	10.4	0.5	0.54	10	1.3	0.1
55229	0.117	4	35	0.4	37	0.098	10	1.37	0.173	0.21	0.3	0.005	1.8	0.1	0.79	4	4.8	0.1
55230	0.063	4	33	1.76	710	0.352	10	2.42	0.047	1.65	0.2	0.005	13.5	0.4	0.45	10	4.2	0.1
55231	0.188	7	70	1.36	36	0.151	10	2.59	0.305	0.59	0.3	0.005	4.2	0.3	0.91	8	7.2	0.1
55232	0.127	7	67	0.89	96	0.122	10	4.4	0.211	0.28	0.9	0.005	4	0.4	0.54	12	9.9	0.1
55233	0.065	3	61	0.44	19	0.081	10	4.23	0.404	0.07	0.2	0.005	2	0.1	1.22	10	3	0.1
55234	0.11	3	59	0.21	20	0.045	10	1.32	0.058	0.05	0.1	0.005	2.9	0.05	1.05	3	16.5	0.1
55235	0.18	8	73	0.24	48	0.05	10	1.61	0.153	0.07	0.2	0.005	3.4	0.05	0.1	4	8.1	0.1
55236	0.079	7	82	0.6	43	0.123	10	0.71	0.074	0.36	0.4	0.005	4.5	0.5	2.14	3	6.7	0.1
55237	0.054	4	28	0.08	15	0.075	10	0.24	0.064	0.05	0.2	0.005	0.7	0.05	1.34	2	3.5	0.1
55238	0.085	4	76	0.84	259	0.054	10	1.97	0.073	0.33	0.1	0.005	4.8	0.2	0.86	6	4.4	0.1
55239	0.015	7	78	0.49	82	0.002	10	0.92	0.032	0.15	0.05	0.005	2.5	0.05	0.33	6	6.6	0.1
55240	0.036	5	129	1.37	123	0.033	10	1.63	0.013	0.26	0.05	0.005	5.5	0.1	0.06	7	2.3	0.1
55241	0.089	4	73	1	30	0.145	10	1.17	0.02	0.91	0.05	0.005	7	0.9	3.22	5	59	0.1
55242	0.054	5	29	0.25	107	0.016	10	0.38	0.007	0.21	0.5	0.29	4.2	0.4	0.79	2	18	0.1
55243	0.049	4	62	0.35	289	0.08	10	1.05	0.064	0.31	0.05	0.02	7.4	0.3	1.07	4	15.7	0.1
55244	0.142	6	50	0.35	113	0.033	10	0.38	0.016	0.17	0.6	0.19	3.9	0.2	0.99	2	24.9	0.1
55245	0.118	9	9	0.04	65	0.039	10	0.53	0.107	0.04	0.2	0.005	0.7	0.05	0.13	0.5	3.2	0.1
55246	0.14	4	41	0.14	67	0.034	28	2.46	0.215	0.05	0.2	0.005	1.4	0.05	0.88	6	15.9	0.2
55247	0.288	7	28	0.2	74	0.03	10	3.84	0.823	0.07	0.7	0.005	0.8	0.05	0.025	7	1.9	0.1
55248	0.105	7	28	0.46	58	0.121	10	3.55	0.295	0.33	0.2	0.005	3.7	0.2	0.26	10	2.8	0.1
55249	0.026	8	93	1.28	153	0.296	10	1.92	0.032	1.55	0.1	0.005	5.9	0.8	1.03	8	6.9	0.1
55250	0.043	7	140	1.46	53	0.35	10	2	0.036	1.12	0.05	0.005	12.3	1	0.96	12	2.8	0.1
55251	0.042	15	39	0.71	151	0.225	10	1.64	0.033	0.92	0.05	0.005	4.1	0.5	0.08	6	0.8	0.1
55252	0.394	3	19	0.11	53	0.03	10	2.95	0.09	0.03	0.3	0.005	1.5	0.05	1.16	8	27.9	0.1

Jumbo Graphite Property
Acme Labs - VAN12005090, Nov. 2012

Station_ID	P_pct	La_ppm	Cr_ppm	Mg_pct	Ba_ppm	Ti_pct	B_ppm	Al_pct	Na_pct	K_pct	W_ppm	Hg_ppm	Sc_ppm	Tl_ppm	S_pct	Ga_ppm	Se_ppm	Te_ppm
55253	0.081	4	153	1.02	58	0.137	10	2.55	0.156	0.22	0.4	0.005	11.6	0.2	1.46	8	2.4	0.1
55254	0.086	16	24	0.58	20	0.117	10	0.82	0.052	0.05	0.3	0.005	3.3	0.05	0.11	4	1.5	0.1
55255	0.069	5	82	0.81	52	0.143	10	2.83	0.309	0.13	0.3	0.005	7.4	0.1	1.64	9	2.2	0.1
55256	0.07	8	108	1.18	521	0.215	10	3.11	0.185	0.71	0.2	0.005	10.2	0.3	0.67	8	2.1	0.1
55257	0.052	9	61	1.19	227	0.265	10	1.93	0.064	1.2	0.2	0.005	9.3	0.6	0.96	10	0.9	0.1
55258	0.098	4	31	0.27	77	0.068	10	2.5	0.251	0.2	0.4	0.005	2	0.2	0.89	7	16	0.1
55259	0.113	10	82	0.35	72	0.114	10	0.54	0.088	0.27	0.6	0.005	6.4	0.3	1.03	3	18.2	0.1
55260	0.079	5	39	0.28	54	0.083	10	2.41	0.286	0.22	0.2	0.005	2.4	0.2	1.15	7	12.5	0.1
55261	0.119	3	14	0.05	14	0.037	10	5.09	0.392	0.02	0.2	0.005	1.3	0.05	1.28	14	14.9	0.1
55262	0.078	13	81	0.81	484	0.25	10	1.78	0.138	0.88	0.2	0.005	9.7	0.4	0.59	7	4.7	0.1
55263	0.077	5	112	1.47	136	0.173	10	0.97	0.042	0.92	0.4	0.005	15.7	1.8	0.91	5	23.6	0.1
55264	0.063	8	127	0.93	237	0.276	10	1.02	0.047	0.9	0.7	0.005	14.9	0.9	0.37	7	20.9	0.1
55265	0.116	5	45	0.18	40	0.07	10	0.46	0.058	0.11	1.6	0.02	1.3	0.3	0.48	3	27.2	0.1
55266	0.076	8	103	0.81	63	0.14	10	0.58	0.045	0.57	1.2	0.02	11	1.2	0.4	4	21.6	0.1
55267	0.123	3	18	0.03	25	0.039	10	1.42	0.185	0.05	0.8	0.005	1	0.05	0.72	3	14.5	0.1
55268	0.148	5	117	1.08	344	0.278	10	1.5	0.029	1.1	0.3	0.005	12.9	0.7	0.44	9	6.4	0.1



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Submitted By: John Kerr
Receiving Lab: Canada-Vancouver
Received: June 18, 2012
Report Date: July 04, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12002774.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 6

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Kerr, John
215 - 515 W Pender St.
Vancouver BC V6B 6H5
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 2A09, and 1DX2.

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: None Given
 Report Date: July 04, 2012

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12002774.1

Method	WGHT	2A-C	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	C/GRA	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.02	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
A-01	Rock	1.26	0.86	4.7	62.3	7.8	24	0.1	39.9	12.0	110	1.71	<0.5	3.1	1.7	171	0.3	<0.1	0.3	18	3.64
A-02	Rock	0.95	0.79	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A-03	Rock	1.15	0.95	3.4	57.5	2.6	227	0.7	57.0	11.8	444	3.59	<0.5	2.9	1.3	17	1.2	<0.1	0.3	193	0.22
A-04	Rock	0.90	5.11	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
K-10	Rock	0.80	2.60	24.2	72.5	23.8	176	0.2	46.2	4.5	102	1.68	<0.5	3.4	2.9	9	2.7	<0.1	0.2	188	0.15
K-11	Rock	1.01	5.73	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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Client: **Kerr, John**
 215 - 515 W Pender St.
 Vancouver BC V6B 6H5 Canada

Project: None Given
 Report Date: July 04, 2012

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN12002774.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
A-01	Rock	0.142	7	11	0.13	47	0.075	<1	1.67	0.242	0.10	0.1	<0.01	0.7	<0.1	0.98	4	0.8	<0.2
A-02	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A-03	Rock	0.075	4	88	1.20	129	0.240	2	1.65	0.060	1.15	<0.1	<0.01	11.2	1.0	1.22	10	4.3	<0.2
A-04	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
K-10	Rock	0.051	7	46	0.30	144	0.048	<1	0.76	0.004	0.12	0.2	<0.01	1.8	<0.1	0.11	3	2.8	<0.2
K-11	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.



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Project: None Given
 Report Date: July 04, 2012

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

VAN12002774.1

Method	WGHT	2A-C	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	C/GRA	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.02	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
K-11	Rock	1.01	5.73	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
REP K-11	QC		6.06																		
Reference Materials																					
STD CSC	Standard		2.04																		
STD CSC	Standard		2.05																		
STD CSC	Standard		2.23																		
STD DS9	Standard			13.8	112.0	128.4	313	1.9	42.5	8.0	595	2.35	26.6	110.6	7.0	79	2.2	6.6	7.8	40	0.75
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD CSC Expected				2.05																	
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.02																	
BLK	Blank			<0.02																	
Prep Wash																					
G1	Prep Blank	<0.01	<0.02	0.2	3.0	4.8	56	<0.1	2.9	4.5	629	2.04	<0.5	4.1	5.7	71	<0.1	<0.1	<0.1	37	0.50



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Project: None Given
 Report Date: July 04, 2012

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

VAN12002774.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																				
K-11	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP K-11	QC																			
Reference Materials																				
STD CSC	Standard																			
STD CSC	Standard																			
STD CSC	Standard																			
STD DS9	Standard	0.082	14	126	0.63	304	0.121	3	1.01	0.084	0.40	3.0	0.21	2.5	5.3	0.16	5	4.7	5.2	
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02	
STD CSC Expected																				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
G1	Prep Blank	0.080	13	7	0.53	170	0.129	<1	1.01	0.083	0.53	<0.1	<0.01	2.6	0.3	<0.05	5	<0.5	<0.2	



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Client: Noram Ventures Inc.
430 - 580 Hornby Street
Vancouver BC V6C 3B6 CANADA

Submitted By: David Rees
Receiving Lab: Canada-Vancouver
Received: October 24, 2012
Report Date: November 21, 2012
Page: 1 of 4

CERTIFICATE OF ANALYSIS

VAN12005090.1

CLIENT JOB INFORMATION

Project: Noram Jumbo
Shipment ID: JUMBO 2012-001
P.O. Number
Number of Samples: 68

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Noram Ventures Inc.
430 - 580 Hornby Street
Vancouver BC V6C 3B6
CANADA

CC: Chris Dyakowski
Gordon Allen

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 2A09, and 1DX1.

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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 Vancouver BC V6C 3B6 CANADA

Project: Noram Jumbo
 Report Date: November 21, 2012

Page: 2 of 4

Part: 1 of 1

CERTIFICATE OF ANALYSIS

VAN12005090.1

Method	WGHT	2A-C	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	C/GRA	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.02	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
G1	Prep Blank	<0.01	<0.02	<0.1	2.2	3.1	50	<0.1	3.5	4.4	594	1.97	<0.5	1.7	5.2	58	<0.1	<0.1	<0.1	37	0.44
G1	Prep Blank	<0.01	<0.02	<0.1	2.2	3.3	52	<0.1	3.8	4.7	605	2.05	<0.5	2.4	5.0	59	<0.1	<0.1	<0.1	38	0.48
55201	Rock	2.39	2.34	22.2	43.4	7.4	46	0.6	49.4	6.0	55	1.77	0.8	0.6	1.7	243	0.8	<0.1	0.5	46	2.47
55202	Rock	2.18	2.20	20.0	37.1	9.5	51	0.3	111.3	15.1	112	2.47	1.1	1.2	1.5	320	0.5	<0.1	0.5	47	4.03
55203	Rock	2.07	2.04	4.5	54.5	2.1	35	1.1	138.2	13.5	54	1.50	<0.5	<0.5	2.7	43	0.5	<0.1	0.5	21	0.53
55204	Rock	1.95	0.42	4.6	59.7	7.0	89	0.5	37.3	8.6	564	2.89	<0.5	1.1	2.6	142	0.6	<0.1	0.4	74	1.33
55205	Rock	2.16	1.56	140.1	49.1	10.2	67	0.6	56.9	10.0	211	2.40	0.8	1.0	4.8	162	0.6	<0.1	0.3	75	2.36
55206	Rock	2.12	0.85	4.2	94.6	3.5	129	1.4	66.7	12.4	434	2.39	<0.5	<0.5	3.7	54	0.7	<0.1	0.4	97	0.63
55207	Rock	2.14	1.85	2.5	52.2	3.6	69	1.8	65.4	12.6	63	2.55	0.5	<0.5	1.9	213	0.7	<0.1	0.4	106	1.65
55208	Rock	2.07	2.13	25.3	25.5	10.6	29	0.4	93.3	11.1	74	2.15	1.1	<0.5	1.1	299	0.2	<0.1	0.3	18	3.60
55209	Rock	2.07	0.87	4.1	48.4	3.5	106	0.5	31.0	8.2	521	3.79	<0.5	0.5	2.8	8	<0.1	<0.1	0.4	96	0.15
55210	Rock	3.14	0.54	1.5	41.5	3.9	84	0.9	31.7	7.0	242	1.93	0.8	1.4	2.5	151	0.2	<0.1	0.2	120	1.13
55211	Rock	1.65	2.14	16.2	30.4	8.1	42	0.3	43.2	8.4	152	2.35	1.0	<0.5	2.2	253	0.1	<0.1	0.5	75	2.92
55212	Rock	2.11	0.44	3.2	51.9	2.3	158	0.3	55.6	8.6	339	2.63	0.6	0.9	2.0	8	0.6	<0.1	0.3	202	0.15
55213	Rock	1.58	0.33	2.3	20.0	2.6	20	0.2	16.5	4.3	60	1.08	0.7	0.5	6.5	90	0.3	<0.1	0.2	17	0.73
55214	Rock	1.70	0.38	0.8	7.5	1.7	12	<0.1	10.3	1.6	51	0.45	0.6	<0.5	1.4	7	0.3	<0.1	0.1	5	0.34
55215	Rock	1.93	2.08	6.3	37.2	8.9	30	0.4	83.9	13.8	61	2.12	0.9	<0.5	1.5	292	0.6	<0.1	0.3	9	3.58
55216	Rock	2.30	2.14	4.2	32.8	4.8	54	0.7	96.5	11.3	381	3.51	<0.5	2.0	3.5	162	0.3	<0.1	0.7	87	2.00
55217	Rock	1.45	2.70	3.8	64.9	2.3	51	1.9	64.3	13.6	72	1.87	<0.5	0.7	0.5	50	0.2	<0.1	0.3	79	0.46
55218	Rock	1.58	3.67	6.6	36.6	2.5	34	1.4	21.5	3.8	28	1.75	<0.5	0.7	0.5	71	0.4	<0.1	0.5	26	0.54
55219	Rock	2.27	1.36	6.5	74.5	10.9	97	0.4	70.3	9.5	233	2.38	0.6	<0.5	3.2	318	1.0	<0.1	0.3	98	2.84
55220	Rock	2.27	0.03	1.3	73.8	1.9	39	0.3	15.6	5.1	155	3.18	<0.5	<0.5	6.8	30	0.2	<0.1	0.6	14	0.67
55221	Rock	2.34	2.77	30.2	40.5	11.2	31	0.2	203.5	20.6	49	2.39	0.8	<0.5	1.0	259	0.9	<0.1	0.6	14	3.42
55222	Rock	2.39	0.65	44.7	43.5	4.8	157	0.9	36.0	8.9	368	2.52	1.5	<0.5	5.2	131	1.4	<0.1	0.2	146	1.56
55223	Rock	2.81	2.65	7.8	47.8	4.1	144	1.7	88.4	11.0	75	2.30	0.5	<0.5	2.3	259	1.3	<0.1	0.7	50	1.22
55224	Rock	1.49	3.72	6.3	55.1	6.8	73	2.5	82.0	10.3	85	2.63	<0.5	<0.5	2.6	101	0.9	<0.1	0.2	131	0.80
55225	Rock	2.35	1.90	21.5	72.3	4.8	31	1.4	349.5	26.9	67	2.14	<0.5	<0.5	1.5	32	2.0	<0.1	1.2	33	0.68
55226	Rock	3.16	2.95	6.2	51.9	5.4	38	0.7	158.7	13.3	39	1.62	<0.5	1.5	3.8	19	0.8	<0.1	0.4	45	0.45
55227	Rock	2.13	3.50	5.2	49.2	6.7	85	1.4	100.6	11.1	97	2.45	<0.5	2.0	1.8	264	0.7	<0.1	0.2	48	1.83
55228	Rock	2.25	0.66	45.5	28.3	6.5	66	0.2	30.8	10.9	235	2.97	<0.5	1.7	3.8	5	<0.1	<0.1	0.3	102	0.28

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: Noram Jumbo
 Report Date: November 21, 2012

Page: 2 of 4

Part: 2 of 1

CERTIFICATE OF ANALYSIS

VAN12005090.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
G1	Prep Blank	0.083	8	7	0.60	223	0.125	<20	0.94	0.062	0.47	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.088	9	8	0.62	244	0.132	<20	0.98	0.065	0.50	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2
55201	Rock	0.085	4	33	0.13	48	0.057	<20	2.94	0.410	0.06	0.3	<0.01	1.1	0.1	0.82	7	7.4	<0.2
55202	Rock	0.074	4	78	0.53	69	0.103	<20	5.96	0.508	0.31	0.2	<0.01	3.5	0.4	1.68	14	3.4	<0.2
55203	Rock	0.101	7	42	0.27	41	0.076	<20	0.47	0.086	0.15	0.2	<0.01	0.9	0.2	0.92	2	10.9	<0.2
55204	Rock	0.075	7	54	1.00	545	0.208	<20	3.11	0.115	0.89	0.2	<0.01	9.2	0.5	0.41	11	5.5	<0.2
55205	Rock	0.116	12	38	0.70	43	0.150	<20	3.67	0.300	0.50	0.9	<0.01	4.6	0.4	0.85	10	3.6	<0.2
55206	Rock	0.099	6	87	1.20	119	0.190	<20	1.70	0.176	0.86	0.3	<0.01	9.1	0.5	1.06	7	9.4	<0.2
55207	Rock	0.085	4	110	0.61	125	0.101	<20	2.38	0.253	0.21	0.2	<0.01	8.8	0.2	1.68	7	19.9	<0.2
55208	Rock	0.055	3	24	0.15	28	0.059	<20	5.02	0.467	0.08	0.3	<0.01	0.9	0.1	0.87	12	2.0	<0.2
55209	Rock	0.075	8	79	1.37	498	0.318	<20	2.29	0.043	1.50	0.1	<0.01	9.5	0.5	0.24	9	3.1	<0.2
55210	Rock	0.040	6	88	1.04	139	0.193	<20	2.68	0.105	0.77	<0.1	<0.01	10.2	0.3	0.28	10	4.5	<0.2
55211	Rock	0.067	4	118	0.73	124	0.124	<20	5.07	0.420	0.35	0.3	<0.01	7.2	0.4	0.87	13	1.8	<0.2
55212	Rock	0.085	4	138	1.44	739	0.247	<20	2.04	0.040	1.32	0.2	<0.01	10.5	0.6	0.21	8	2.3	<0.2
55213	Rock	0.099	16	13	0.19	36	0.078	<20	0.87	0.122	0.06	1.3	<0.01	1.1	<0.1	0.13	2	4.0	<0.2
55214	Rock	0.014	4	14	0.12	35	0.050	<20	0.11	0.017	0.02	0.3	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
55215	Rock	0.054	4	11	0.05	18	0.051	<20	3.34	0.502	0.06	0.2	<0.01	0.8	<0.1	1.20	7	2.9	<0.2
55216	Rock	0.075	10	280	0.93	209	0.170	<20	4.07	0.185	0.23	0.2	<0.01	8.6	0.2	0.67	12	3.1	<0.2
55217	Rock	0.073	2	128	0.56	88	0.108	<20	0.90	0.072	0.29	0.1	<0.01	7.2	0.2	1.09	4	16.1	<0.2
55218	Rock	0.133	2	45	0.08	53	0.049	<20	0.62	0.068	0.03	0.2	<0.01	1.7	<0.1	0.47	2	15.8	<0.2
55219	Rock	0.060	10	57	0.45	376	0.107	<20	4.30	0.130	0.16	0.2	<0.01	2.6	<0.1	0.63	9	4.8	<0.2
55220	Rock	0.116	19	11	0.26	21	0.093	<20	0.45	0.100	0.09	0.3	<0.01	0.9	<0.1	1.49	2	8.3	<0.2
55221	Rock	0.085	3	32	0.09	31	0.066	<20	4.84	0.349	0.05	0.4	<0.01	0.9	<0.1	1.69	12	5.0	<0.2
55222	Rock	0.065	5	66	1.56	82	0.196	<20	3.60	0.238	0.82	0.5	<0.01	10.3	0.4	0.64	12	3.2	<0.2
55223	Rock	0.109	7	73	0.50	13	0.086	<20	1.84	0.220	0.15	0.3	<0.01	1.4	0.2	1.08	5	12.6	<0.2
55224	Rock	0.108	7	256	0.84	118	0.109	<20	1.85	0.095	0.13	0.3	<0.01	6.5	0.1	0.74	6	22.2	<0.2
55225	Rock	0.075	3	108	0.11	19	0.049	<20	0.70	0.124	0.04	6.0	<0.01	1.1	0.2	1.94	3	15.2	<0.2
55226	Rock	0.067	7	94	0.23	41	0.075	<20	0.28	0.040	0.08	0.2	<0.01	1.8	<0.1	1.11	2	15.6	<0.2
55227	Rock	0.140	6	106	0.29	62	0.061	<20	2.25	0.251	0.08	0.2	<0.01	1.7	<0.1	0.34	5	11.4	<0.2
55228	Rock	0.058	9	61	1.32	63	0.283	<20	1.72	0.042	0.78	0.2	<0.01	10.4	0.5	0.54	10	1.3	<0.2

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Project: Noram Jumbo
 Report Date: November 21, 2012

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CERTIFICATE OF ANALYSIS

VAN12005090.1

Method	WGHT	2A-C	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Wgt	C/GRA	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.02	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55229	Rock	2.40	0.58	3.1	71.8	4.2	54	0.6	63.0	9.6	237	1.88	<0.5	1.8	1.3	90	0.9	<0.1	0.3	38	0.99
55230	Rock	2.45	0.15	1.1	66.2	1.9	109	1.0	24.7	10.7	440	3.49	<0.5	2.7	1.3	11	<0.1	<0.1	0.1	83	0.16
55231	Rock	1.44	0.77	3.2	69.7	4.3	131	1.1	83.1	9.0	640	1.96	1.0	<0.5	3.4	207	1.1	0.2	0.2	73	5.84
55232	Rock	1.66	1.95	19.1	67.6	9.4	332	0.3	59.5	9.1	243	2.07	0.7	<0.5	3.1	218	6.2	<0.1	0.4	234	2.33
55233	Rock	2.10	2.82	12.0	48.9	11.0	42	0.3	46.7	10.3	110	2.57	0.6	<0.5	1.3	257	0.2	<0.1	0.4	44	2.56
55234	Rock	2.70	3.26	8.4	61.8	5.8	120	2.8	71.2	10.3	52	2.28	<0.5	1.8	0.9	92	1.0	<0.1	0.2	32	1.02
55235	Rock	4.81	3.42	5.1	52.8	5.3	145	1.9	86.0	9.4	131	2.94	<0.5	2.8	1.5	168	0.8	0.2	0.2	47	1.39
55236	Rock	2.75	1.23	12.7	56.9	4.4	48	0.7	121.1	18.1	91	2.37	<0.5	1.5	2.3	24	0.4	<0.1	0.7	64	0.62
55237	Rock	1.80	2.60	4.1	18.1	9.7	5	1.1	5.3	1.4	53	1.35	<0.5	1.6	1.2	14	<0.1	<0.1	0.7	14	0.43
55238	Rock	3.40	0.77	5.9	56.6	7.7	190	0.5	84.8	10.3	190	3.06	1.7	0.7	2.1	94	2.6	<0.1	0.5	164	0.91
55239	Rock	1.52	0.87	2.5	67.0	14.8	168	0.6	44.6	3.2	94	5.62	42.3	3.3	4.2	5	0.4	0.8	0.4	174	0.01
55240	Rock	2.83	0.97	5.7	44.9	8.1	106	0.3	30.8	2.5	172	3.72	<0.5	<0.5	1.7	8	<0.1	<0.1	0.4	170	0.06
55241	Rock	3.69	2.58	2.0	149.9	1.5	228	1.3	97.0	14.9	174	3.85	<0.5	<0.5	0.6	4	1.2	<0.1	0.7	207	0.15
55242	Rock	2.10	1.36	10.6	42.3	5.6	404	1.4	30.9	6.3	29	2.36	1.0	0.7	1.3	5	5.9	<0.1	0.1	169	0.04
55243	Rock	1.83	1.38	19.0	55.8	1.9	2320	0.4	56.0	5.9	175	1.81	<0.5	2.6	1.0	28	29.6	<0.1	0.3	651	0.43
55244	Rock	3.03	1.97	20.0	39.6	2.6	459	1.6	16.2	2.1	153	1.02	<0.5	<0.5	1.3	7	7.0	<0.1	0.2	225	0.35
55245	Rock	2.56	0.63	1.8	18.1	2.8	17	0.7	26.0	6.1	69	0.98	<0.5	1.8	3.5	108	0.7	<0.1	0.4	7	2.17
55246	Rock	3.00	3.67	6.0	30.6	4.2	29	1.7	75.0	5.8	33	2.59	<0.5	1.5	0.5	156	0.2	<0.1	0.5	13	1.81
55247	Rock	2.26	2.72	13.6	5.5	5.0	70	0.1	78.7	3.5	61	0.31	0.8	1.1	0.9	616	0.5	<0.1	0.2	21	4.29
55248	Rock	2.10	0.76	2.4	33.1	4.1	34	0.4	32.2	6.4	143	1.44	1.8	3.8	2.1	227	0.3	<0.1	0.2	33	2.67
55249	Rock	3.20	1.69	1.8	46.9	3.6	100	0.3	42.8	11.5	269	3.07	<0.5	1.9	2.6	<1	<0.1	<0.1	0.7	83	0.03
55250	Rock	1.58	0.99	1.1	31.9	5.6	81	0.2	21.6	7.7	479	3.15	<0.5	0.5	3.5	2	<0.1	<0.1	0.6	143	0.17
55251	Rock	1.89	0.18	0.8	23.4	9.2	72	0.2	14.8	6.5	176	2.99	<0.5	<0.5	5.7	5	0.2	<0.1	0.2	61	0.09
55252	Rock	2.02	2.14	11.2	75.3	2.9	133	0.6	62.6	8.6	79	1.72	<0.5	<0.5	0.6	141	2.5	<0.1	0.4	40	2.82
55253	Rock	2.12	2.27	9.7	36.4	6.1	56	0.5	117.6	16.0	242	3.22	<0.5	2.6	1.4	131	0.4	<0.1	0.6	94	1.06
55254	Rock	2.34	0.08	1.1	10.9	3.0	22	0.1	11.4	5.4	117	1.64	<0.5	<0.5	9.9	21	<0.1	<0.1	0.1	35	0.53
55255	Rock	2.21	1.79	3.3	39.6	4.6	45	0.3	55.2	14.8	165	2.59	<0.5	1.3	2.7	135	0.3	<0.1	0.4	78	1.55
55256	Rock	2.18	0.56	5.5	51.4	3.5	123	0.2	98.7	17.2	250	2.72	<0.5	<0.5	3.1	58	0.5	<0.1	0.4	290	1.54
55257	Rock	2.42	0.36	1.9	94.9	3.5	86	0.3	37.9	17.9	508	3.15	<0.5	2.3	4.1	9	<0.1	<0.1	0.6	63	0.22
55258	Rock	2.79	1.84	9.3	61.1	4.8	104	1.7	58.1	6.8	127	1.83	<0.5	5.2	1.1	269	2.3	<0.1	0.2	54	2.00



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CERTIFICATE OF ANALYSIS

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
55229	Rock	0.117	4	35	0.40	37	0.098	<20	1.37	0.173	0.21	0.3	<0.01	1.8	0.1	0.79	4	4.8	<0.2
55230	Rock	0.063	4	33	1.76	710	0.352	<20	2.42	0.047	1.65	0.2	<0.01	13.5	0.4	0.45	10	4.2	<0.2
55231	Rock	0.188	7	70	1.36	36	0.151	<20	2.59	0.305	0.59	0.3	<0.01	4.2	0.3	0.91	8	7.2	<0.2
55232	Rock	0.127	7	67	0.89	96	0.122	<20	4.40	0.211	0.28	0.9	<0.01	4.0	0.4	0.54	12	9.9	<0.2
55233	Rock	0.065	3	61	0.44	19	0.081	<20	4.23	0.404	0.07	0.2	<0.01	2.0	0.1	1.22	10	3.0	<0.2
55234	Rock	0.110	3	59	0.21	20	0.045	<20	1.32	0.058	0.05	0.1	<0.01	2.9	<0.1	1.05	3	16.5	<0.2
55235	Rock	0.180	8	73	0.24	48	0.050	<20	1.61	0.153	0.07	0.2	<0.01	3.4	<0.1	0.10	4	8.1	<0.2
55236	Rock	0.079	7	82	0.60	43	0.123	<20	0.71	0.074	0.36	0.4	<0.01	4.5	0.5	2.14	3	6.7	<0.2
55237	Rock	0.054	4	28	0.08	15	0.075	<20	0.24	0.064	0.05	0.2	<0.01	0.7	<0.1	1.34	2	3.5	<0.2
55238	Rock	0.085	4	76	0.84	259	0.054	<20	1.97	0.073	0.33	0.1	<0.01	4.8	0.2	0.86	6	4.4	<0.2
55239	Rock	0.015	7	78	0.49	82	0.002	<20	0.92	0.032	0.15	<0.1	<0.01	2.5	<0.1	0.33	6	6.6	<0.2
55240	Rock	0.036	5	129	1.37	123	0.033	<20	1.63	0.013	0.26	<0.1	<0.01	5.5	0.1	0.06	7	2.3	<0.2
55241	Rock	0.089	4	73	1.00	30	0.145	<20	1.17	0.020	0.91	<0.1	<0.01	7.0	0.9	3.22	5	59.0	<0.2
55242	Rock	0.054	5	29	0.25	107	0.016	<20	0.38	0.007	0.21	0.5	0.29	4.2	0.4	0.79	2	18.0	<0.2
55243	Rock	0.049	4	62	0.35	289	0.080	<20	1.05	0.064	0.31	<0.1	0.02	7.4	0.3	1.07	4	15.7	<0.2
55244	Rock	0.142	6	50	0.35	113	0.033	<20	0.38	0.016	0.17	0.6	0.19	3.9	0.2	0.99	2	24.9	<0.2
55245	Rock	0.118	9	9	0.04	65	0.039	<20	0.53	0.107	0.04	0.2	<0.01	0.7	<0.1	0.13	<1	3.2	<0.2
55246	Rock	0.140	4	41	0.14	67	0.034	28	2.46	0.215	0.05	0.2	<0.01	1.4	<0.1	0.88	6	15.9	0.2
55247	Rock	0.288	7	28	0.20	74	0.030	<20	3.84	0.823	0.07	0.7	<0.01	0.8	<0.1	<0.05	7	1.9	<0.2
55248	Rock	0.105	7	28	0.46	58	0.121	<20	3.55	0.295	0.33	0.2	<0.01	3.7	0.2	0.26	10	2.8	<0.2
55249	Rock	0.026	8	93	1.28	153	0.296	<20	1.92	0.032	1.55	0.1	<0.01	5.9	0.8	1.03	8	6.9	<0.2
55250	Rock	0.043	7	140	1.46	53	0.350	<20	2.00	0.036	1.12	<0.1	<0.01	12.3	1.0	0.96	12	2.8	<0.2
55251	Rock	0.042	15	39	0.71	151	0.225	<20	1.64	0.033	0.92	<0.1	<0.01	4.1	0.5	0.08	6	0.8	<0.2
55252	Rock	0.394	3	19	0.11	53	0.030	<20	2.95	0.090	0.03	0.3	<0.01	1.5	<0.1	1.16	8	27.9	<0.2
55253	Rock	0.081	4	153	1.02	58	0.137	<20	2.55	0.156	0.22	0.4	<0.01	11.6	0.2	1.46	8	2.4	<0.2
55254	Rock	0.086	16	24	0.58	20	0.117	<20	0.82	0.052	0.05	0.3	<0.01	3.3	<0.1	0.11	4	1.5	<0.2
55255	Rock	0.069	5	82	0.81	52	0.143	<20	2.83	0.309	0.13	0.3	<0.01	7.4	0.1	1.64	9	2.2	<0.2
55256	Rock	0.070	8	108	1.18	521	0.215	<20	3.11	0.185	0.71	0.2	<0.01	10.2	0.3	0.67	8	2.1	<0.2
55257	Rock	0.052	9	61	1.19	227	0.265	<20	1.93	0.064	1.20	0.2	<0.01	9.3	0.6	0.96	10	0.9	<0.2
55258	Rock	0.098	4	31	0.27	77	0.068	<20	2.50	0.251	0.20	0.4	<0.01	2.0	0.2	0.89	7	16.0	<0.2

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Method	WGHT	2A-C	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	C/GRA	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.02	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
55259	Rock	2.65	2.52	43.1	52.5	1.2	63	1.5	24.2	2.9	235	1.55	<0.5	5.7	3.0	20	0.9	<0.1	0.4	158	0.47
55260	Rock	3.07	1.74	10.1	77.1	5.3	128	1.6	77.5	9.3	209	1.94	<0.5	<0.5	1.5	159	2.0	<0.1	0.2	61	1.81
55261	Rock	1.93	1.62	6.7	75.8	5.5	51	1.6	81.8	7.7	55	1.79	0.5	1.0	0.6	296	1.1	<0.1	0.2	14	3.64
55262	Rock	1.74	0.78	3.3	39.6	2.2	105	0.6	54.9	9.2	525	2.72	<0.5	0.9	4.9	55	0.2	<0.1	0.1	80	0.77
55263	Rock	2.23	2.36	37.9	94.2	1.3	472	0.9	44.6	7.9	334	2.15	<0.5	<0.5	4.8	10	9.5	<0.1	0.4	567	0.19
55264	Rock	1.73	3.42	57.8	22.7	1.7	138	0.8	5.5	1.1	424	1.93	<0.5	<0.5	3.8	10	1.4	<0.1	0.4	655	0.12
55265	Rock	2.02	5.38	73.0	31.3	2.0	278	1.6	15.0	1.1	122	2.68	<0.5	<0.5	1.5	22	3.5	<0.1	0.2	218	0.33
55266	Rock	1.86	3.89	36.5	12.7	1.6	127	1.9	1.2	0.2	146	0.91	<0.5	1.8	1.9	10	2.0	<0.1	0.3	543	0.18
55267	Rock	2.00	2.69	7.2	49.1	4.4	42	1.4	107.6	12.1	32	1.86	<0.5	<0.5	0.9	176	1.1	<0.1	0.2	10	1.33
55268	Rock	1.69	1.35	10.2	24.6	2.0	131	0.5	8.9	2.1	342	2.29	<0.5	1.8	1.3	4	<0.1	<0.1	0.2	341	0.31



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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
55259	Rock	0.113	10	82	0.35	72	0.114	<20	0.54	0.088	0.27	0.6	<0.01	6.4	0.3	1.03	3	18.2	<0.2
55260	Rock	0.079	5	39	0.28	54	0.083	<20	2.41	0.286	0.22	0.2	<0.01	2.4	0.2	1.15	7	12.5	<0.2
55261	Rock	0.119	3	14	0.05	14	0.037	<20	5.09	0.392	0.02	0.2	<0.01	1.3	<0.1	1.28	14	14.9	<0.2
55262	Rock	0.078	13	81	0.81	484	0.250	<20	1.78	0.138	0.88	0.2	<0.01	9.7	0.4	0.59	7	4.7	<0.2
55263	Rock	0.077	5	112	1.47	136	0.173	<20	0.97	0.042	0.92	0.4	<0.01	15.7	1.8	0.91	5	23.6	<0.2
55264	Rock	0.063	8	127	0.93	237	0.276	<20	1.02	0.047	0.90	0.7	<0.01	14.9	0.9	0.37	7	20.9	<0.2
55265	Rock	0.116	5	45	0.18	40	0.070	<20	0.46	0.058	0.11	1.6	0.02	1.3	0.3	0.48	3	27.2	<0.2
55266	Rock	0.076	8	103	0.81	63	0.140	<20	0.58	0.045	0.57	1.2	0.02	11.0	1.2	0.40	4	21.6	<0.2
55267	Rock	0.123	3	18	0.03	25	0.039	<20	1.42	0.185	0.05	0.8	<0.01	1.0	<0.1	0.72	3	14.5	<0.2
55268	Rock	0.148	5	117	1.08	344	0.278	<20	1.50	0.029	1.10	0.3	<0.01	12.9	0.7	0.44	9	6.4	<0.2



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QUALITY CONTROL REPORT

VAN12005090.1

Method	WGHT	2A-C	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Wgt	C/GRA	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.02	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
55214	Rock	1.70	0.38	0.8	7.5	1.7	12	<0.1	10.3	1.6	51	0.45	0.6	<0.5	1.4	7	0.3	<0.1	0.1	5	0.34
REP 55214	QC		0.34																		
55221	Rock	2.34	2.77	30.2	40.5	11.2	31	0.2	203.5	20.6	49	2.39	0.8	<0.5	1.0	259	0.9	<0.1	0.6	14	3.42
REP 55221	QC			30.5	40.6	11.4	33	0.2	205.5	20.5	50	2.38	1.0	<0.5	1.1	265	0.9	<0.1	0.6	14	3.41
55238	Rock	3.40	0.77	5.9	56.6	7.7	190	0.5	84.8	10.3	190	3.06	1.7	0.7	2.1	94	2.6	<0.1	0.5	164	0.91
REP 55238	QC		0.74																		
55249	Rock	3.20	1.69	1.8	46.9	3.6	100	0.3	42.8	11.5	269	3.07	<0.5	1.9	2.6	<1	<0.1	<0.1	0.7	83	0.03
REP 55249	QC		1.59																		
55256	Rock	2.18	0.56	5.5	51.4	3.5	123	0.2	98.7	17.2	250	2.72	<0.5	<0.5	3.1	58	0.5	<0.1	0.4	290	1.54
REP 55256	QC			5.6	49.8	3.7	122	0.2	97.3	16.3	249	2.73	<0.5	<0.5	3.0	58	0.6	<0.1	0.3	288	1.53
Core Reject Duplicates																					
55212	Rock	2.11	0.44	3.2	51.9	2.3	158	0.3	55.6	8.6	339	2.63	0.6	0.9	2.0	8	0.6	<0.1	0.3	202	0.15
DUP 55212	QC	<0.01	0.47	3.3	52.4	2.4	157	0.3	58.4	8.9	353	2.73	<0.5	<0.5	1.8	12	0.6	<0.1	0.3	219	0.14
55246	Rock	3.00	3.67	6.0	30.6	4.2	29	1.7	75.0	5.8	33	2.59	<0.5	1.5	0.5	156	0.2	<0.1	0.5	13	1.81
DUP 55246	QC	<0.01	3.43	6.0	29.8	4.1	28	1.9	69.0	5.4	32	2.58	<0.5	3.5	0.5	146	0.5	<0.1	0.5	13	1.70
Reference Materials																					
STD CSC	Standard		1.90																		
STD CSC	Standard		2.12																		
STD CSC	Standard		2.03																		
STD CSC	Standard		1.86																		
STD CSC	Standard		2.03																		
STD CSC	Standard		2.17																		
STD DS9	Standard			13.6	113.4	141.0	328	2.0	41.3	7.6	605	2.47	27.4	112.6	7.0	84	2.4	4.6	7.8	41	0.74
STD DS9	Standard			11.8	101.5	120.2	303	1.8	38.9	7.1	567	2.28	24.9	79.2	5.6	68	2.2	4.8	5.8	40	0.71
STD OREAS45EA	Standard			1.3	713.2	16.3	30	0.3	391.3	54.2	414	22.79	9.4	49.7	11.0	<1	<0.1	0.2	0.3	330	0.03
STD OREAS45EA	Standard			1.1	679.3	13.6	28	0.3	391.3	50.3	386	23.60	9.6	54.5	9.7	4	<0.1	0.2	0.2	309	0.04
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45EA Expected				1.78	709	14.3	30.6	0.311	357	52	400	22.65	11.4	53	10.7	4.05	0.03	0.64	0.26	295	0.032



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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
55214	Rock	0.014	4	14	0.12	35	0.050	<20	0.11	0.017	0.02	0.3	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
REP 55214	QC																		
55221	Rock	0.085	3	32	0.09	31	0.066	<20	4.84	0.349	0.05	0.4	<0.01	0.9	<0.1	1.69	12	5.0	<0.2
REP 55221	QC	0.086	3	33	0.09	30	0.067	<20	4.86	0.357	0.06	0.5	<0.01	1.0	0.1	1.70	12	4.9	<0.2
55238	Rock	0.085	4	76	0.84	259	0.054	<20	1.97	0.073	0.33	0.1	<0.01	4.8	0.2	0.86	6	4.4	<0.2
REP 55238	QC																		
55249	Rock	0.026	8	93	1.28	153	0.296	<20	1.92	0.032	1.55	0.1	<0.01	5.9	0.8	1.03	8	6.9	<0.2
REP 55249	QC																		
55256	Rock	0.070	8	108	1.18	521	0.215	<20	3.11	0.185	0.71	0.2	<0.01	10.2	0.3	0.67	8	2.1	<0.2
REP 55256	QC	0.070	9	105	1.18	512	0.215	<20	3.10	0.186	0.71	0.2	<0.01	10.5	0.3	0.67	8	3.0	<0.2
Core Reject Duplicates																			
55212	Rock	0.085	4	138	1.44	739	0.247	<20	2.04	0.040	1.32	0.2	<0.01	10.5	0.6	0.21	8	2.3	<0.2
DUP 55212	QC	0.075	4	141	1.48	768	0.247	<20	2.07	0.040	1.38	0.2	<0.01	10.4	0.7	0.23	8	2.2	<0.2
55246	Rock	0.140	4	41	0.14	67	0.034	28	2.46	0.215	0.05	0.2	<0.01	1.4	<0.1	0.88	6	15.9	0.2
DUP 55246	QC	0.129	3	43	0.14	64	0.034	24	2.31	0.206	0.05	0.3	<0.01	1.3	<0.1	0.85	6	15.2	<0.2
Reference Materials																			
STD CSC	Standard																		
STD CSC	Standard																		
STD CSC	Standard																		
STD CSC	Standard																		
STD CSC	Standard																		
STD CSC	Standard																		
STD DS9	Standard	0.088	13	126	0.65	348	0.113	<20	1.00	0.083	0.41	3.2	0.26	2.5	5.5	0.17	5	5.7	5.2
STD DS9	Standard	0.078	11	112	0.61	318	0.104	<20	0.93	0.078	0.39	2.5	0.24	2.5	5.4	0.17	4	5.5	4.8
STD OREAS45EA	Standard	0.031	7	787	0.12	166	0.095	<20	3.08	0.016	0.05	<0.1	<0.01	79.4	<0.1	<0.05	12	0.9	<0.2
STD OREAS45EA	Standard	0.029	6	889	0.10	146	0.089	<20	3.12	0.021	0.05	<0.1	0.02	81.5	<0.1	<0.05	13	0.5	<0.2
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
STD OREAS45EA Expected		0.029	8.19	849	0.095	148	0.106		3.32	0.027	0.053		0.34	78	0.072	0.044	11.7	2.09	0.11



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QUALITY CONTROL REPORT

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		WGHT	2A-C	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		Wgt	C/GRA	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.02	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
STD CSC Expected		2.05																			
BLK	Blank	0.02																			
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	0.04																			
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.02																			
Prep Wash																					
G1	Prep Blank	<0.01	<0.02	<0.1	2.2	3.1	50	<0.1	3.5	4.4	594	1.97	<0.5	1.7	5.2	58	<0.1	<0.1	<0.1	37	0.44
G1	Prep Blank	<0.01	<0.02	<0.1	2.2	3.3	52	<0.1	3.8	4.7	605	2.05	<0.5	2.4	5.0	59	<0.1	<0.1	<0.1	38	0.48



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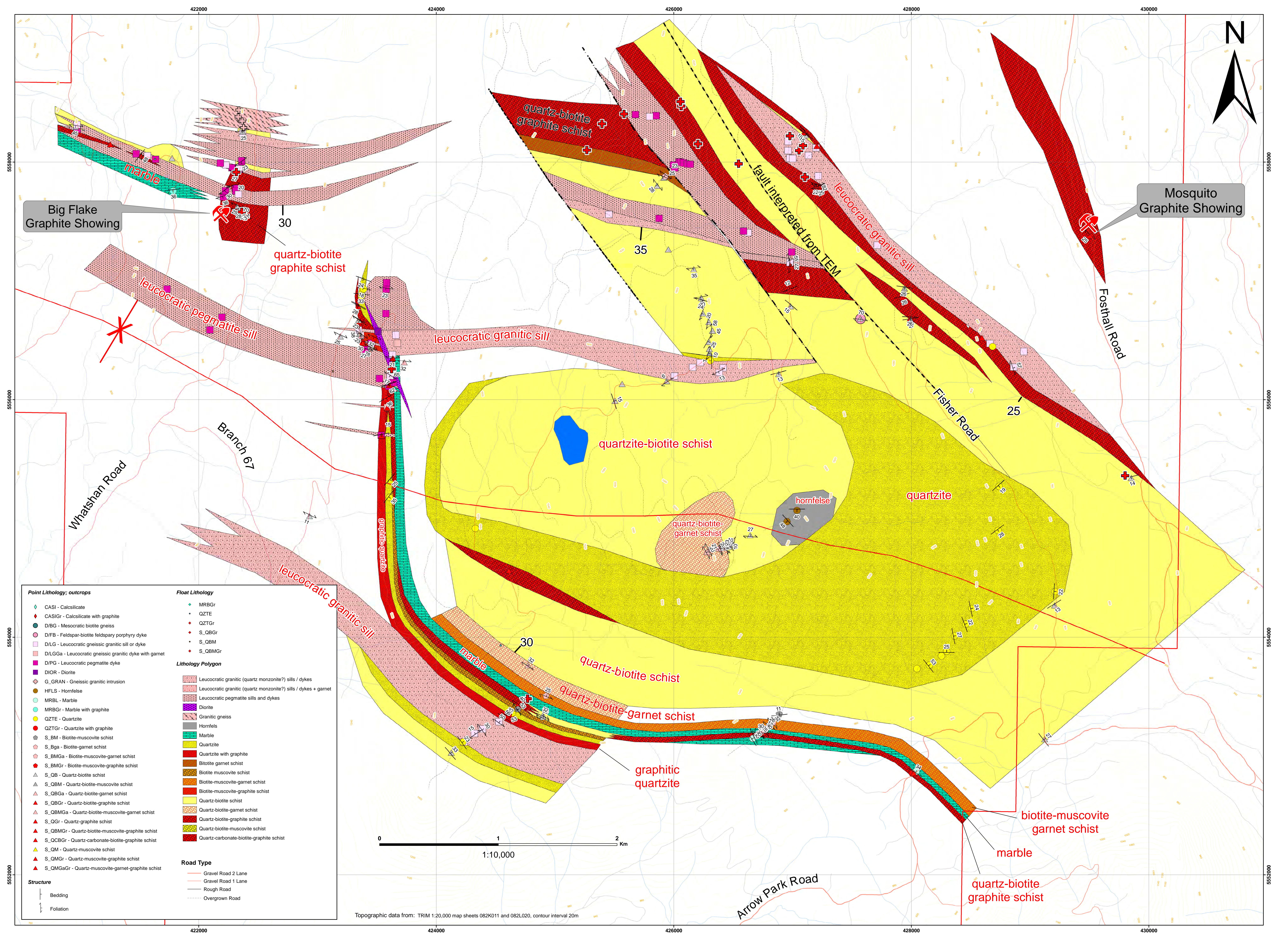
QUALITY CONTROL REPORT

VAN12005090.1

		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
STD CSC Expected		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																		
Prep Wash																			
G1	Prep Blank	0.083	8	7	0.60	223	0.125	<20	0.94	0.062	0.47	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.088	9	8	0.62	244	0.132	<20	0.98	0.065	0.50	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2

Appendix 6

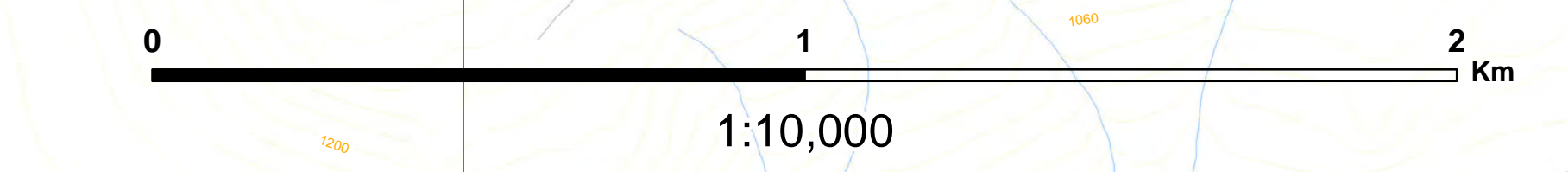
Large Format Maps



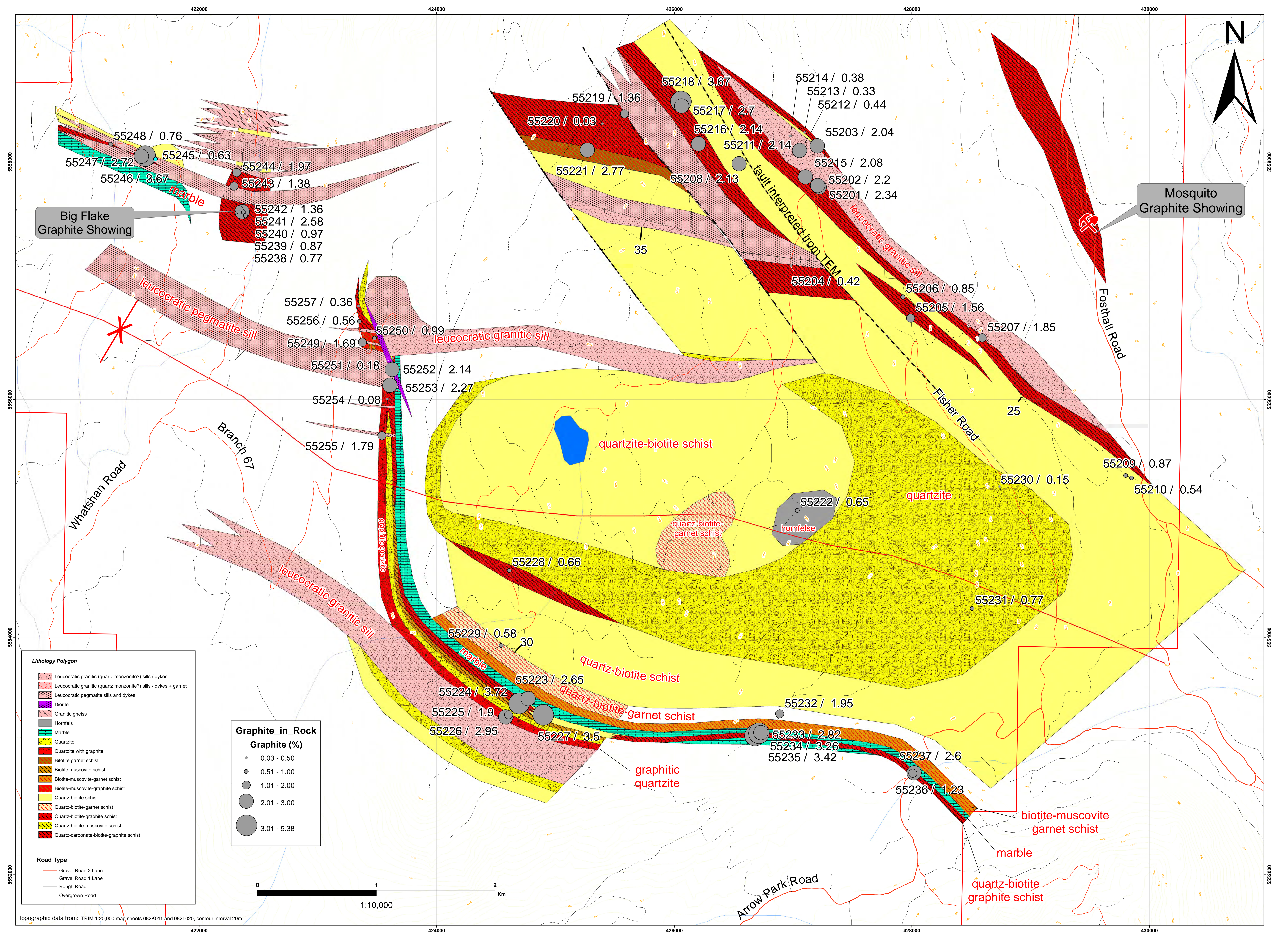
Big Flake Graphite Showing

Mosquito Graphite Showing

Point Lithology; outcrops	Float Lithology	Lithology Polygon	Road Type
◆ CASI - Calcisilicate	◆ MRBGr	Leucocratic granitic (quartz monzonite?) sills / dykes	Gravel Road 2 Lane
◆ CASIGr - Calcisilicate with graphite	● QZTE	Leucocratic granitic (quartz monzonite?) sills / dykes + garnet	Gravel Road 1 Lane
● D/FG - Mesocratic biotite gneiss	◆ QZTGr	Leucocratic pegmatite sills and dykes	Rough Road
◆ D/FG - Feldspar-biotite feldspar porphyry dyke	◆ S_QBGr	Diorite	Overgrown Road
◆ D/LG - Leucocratic gneissic granitic sill or dyke	◆ S_QBM	Granitic gneiss	
◆ D/LGGr - Leucocratic gneissic granitic dyke with garnet	◆ S_QBMGr	Hornfels	
◆ D/PG - Leucocratic pegmatite dyke		Marble	
◆ DIOR - Diorite		Quartzite	
◆ G_GRAN - Gneissic granitic intrusion		Quartzite with graphite	
◆ HFLS - Hornfelse		Biotite garnet schist	
◆ MRBL - Marble		Biotite muscovite schist	
◆ MRBGr - Marble with graphite		Biotite-muscovite-garnet schist	
● QZTE - Quartzite		Biotite-muscovite-graphite schist	
◆ QZTGr - Quartzite with graphite		Quartz-biotite schist	
◆ S_BM - Biotite-muscovite schist		Quartz-biotite-garnet schist	
◆ S_BGa - Biotite-garnet schist		Quartz-biotite-graphite schist	
◆ S_BMGa - Biotite-muscovite-garnet schist		Quartz-biotite-muscovite schist	
◆ S_BMGr - Biotite-muscovite-graphite schist		Quartz-biotite-muscovite-graphite schist	
◆ S_QB - Quartz-biotite schist		Quartz-carbonate-biotite-graphite schist	
◆ S_QBM - Quartz-biotite-muscovite schist			
◆ S_QBGa - Quartz-biotite-garnet schist			
◆ S_QBGr - Quartz-biotite-graphite schist			
◆ S_QBMGr - Quartz-biotite-muscovite-graphite schist			
◆ S_QCBGr - Quartz-carbonate-biotite-graphite schist			
◆ S_QM - Quartz-muscovite schist			
◆ S_QMGr - Quartz-muscovite-graphite schist			
◆ S_QMGaGr - Quartz-muscovite-garnet-graphite schist			



Topographic data from: TRIM 1:20,000 map sheets 082K011 and 082L020, contour interval 20m



Appendix 7

Itemized Cost Statement for Assessment Work

Jumbo Graphite Property
Itemized Cost Statement for Assessment Work
2012 Exploration Program

		Days or					
		Number	Rate	Cost	Cost	Cost	Cost
Contractors:							
Chris Dyakowski (Max Inv.)	Project Management	11	500	5500			
John Kerr	Consulting Geologist			4700			
Gordon Allen	Consulting Geologist (field)	13.5	600	8100			
Gordon Allen	Data, assessment report	15	600	9000			
Daniel Sutton (Tactical V.)	Field Assistant	11.5	200	2300			
Bruce Doyle	prospector	3	350	1050			
Landmark Systems Inc.	Project Consultant	9	500	4500			
SkyTEM Surveys ApS	Airborne mag and TEM survey	634.3	248.57	157671			
In3D Geoscience Inc.	geophysics consulting serv.	42.25	100	4225			
				197046	197046		
Food and Accommodation:							
	Travel and accommodation, May 21-25 (Dyakowski and Rees)			1491			
	Travel and accommodation (Dyakowski)			1231			
	Travel and accommodation (Rees)			813			
	Allen meals and accom. (charged as Kuskanax Lodge, paid by Dyakowski)			2667			
	Allen meals and accommodation			245			
				4956	4956		
Fuel:							
	Dyakowski			556			
	Doyle			191			
	Allen			412			
				1159	1159		
Transportation:							
	Flight YVR - Castlegar rtn.			479			
	Parking (YVR)			54			
	Pacific Coastal (J.Kerr flight to Cranbrook)			161			
	Yellow Cab			22			
	BC Ferries			66			
				782	782		
Equipment Rental:							
	Ford F350 (Dyakowski)	5	100	500			
	GMC pickup rental (Allen)	12	85	1020			
	Pickup rental (Doyle)	3	75	225			
				1745	1745		
Assays:							
	AGAT Labs			230			
	Acme Labs Ltd.			677			
	Acme Labs Ltd.			1915			
	Acme Labs Ltd.			236			
				3059	3059		
Other Expenses:							
	TRIM topographic maps			800			
	Orthophotos			200			
	Field Supplies (G. Allen)			8			
	Field Supplies (Dyakowski)			1499			
				2507	2507		
					211254		
						\$211,254	