

APPENDIX 6A

GEOLOGICAL SURVEY OF CANADA

Banks Island samples - Kimberlite Indicator Mineral (KIM) - ELECTRON PROBE MICRO-ANALYZER (EPMA; U. Alberta) - CHEMISTRY (WT%)

Count	GSC Sample #	Mount	Grain #	EPMA #	Sample Material	ODM Min ID	EPMA Min ID	Grain Size	TI WT%	Na WT%	K WT%	Si WT%	Fe WT%	Cr WT%	Mg WT%	Ca WT%	Al WT%	Mn WT%	O WT%	TOTAL	SiO2	TiO2	Al2O3	Cr2O3	MnO	FeO	MgO	CaO	Na2O	K2O	Nb2O5	NiO	ZnO	V2O3	P2O5	Total
1	155UV024	2015_1	1_1	1-1-1	fluvial	GO ⁺		garnet	0.25-0.5	0.3618	0.0353	0	19.4029	6.6768	2.0423	11.5723	4.0161	10.4672	0.2935	43.9720	99.1401	41.51	0.60	19.78	3.42	0.38	8.59	19.19	5.62	0.05	0.00					99.14
2	155UV024	2015_1	1_2	1-1-1	fluvial	GO ⁺		garnet	0.25-0.5	0.0264	0.0011	0.0005	18.1606	20.1530	0.0031	6.0709	0.8159	10.1670	0.3973	41.2434	98.4752	38.85	0.04	21.92	0.00	0.51	25.93	10.07	1.14	0.00	0.00					98.46
4	155UV024	2015_1	2_2	1-2-2	stream sediments	GP ⁺		garnet	0.25-0.5	0.05976	0.0346	0.0003	19.6209	5.9444	0.0082	0.3426	44.4978	99.5412	41.98	0.10	21.18	3.18	0.44	7.65	19.60	5.41									99.54	
5	155UV024	2015_1	2_3	1-2-1	stream sediments	GP		garnet	0.25-0.5	0.0118	0.0187	0	19.6139	5.9621	0.7085	0.2746	44.4780	99.5402	41.96	0.02	19.60	5.42				6.54	21.67	1.64							99.23	
6	155UV014	2015_1	2_4	1-2-4	stream sediments	GP		garnet	0.25-0.5	0.0043	0.0000	0.0023	19.2239	4.8944	6.2217	13.2981	2.1683	8.9329	0.3321	43.8423	98.9202	41.13	0.00	16.88	0.99	0.43	6.30	22.05	0.03	0.00	0.00					98.91
7	155UV019	2015_1	2_5	1-2-005	Beaufort Fm	GP		garnet	0.25-0.5	0.3460	0.0387	0.0054	19.3257	5.6838	3.4526	3.7983	9.8600	0.2526	43.9557	99.0367	41.34	0.58	18.63	5.05	0.33	7.31	20.43	5.31	0.05	0.01					99.04	
8	155UV019	2015_1	2_6	1-2-006	Beaufort Fm	GP		garnet	0.25-0.5	0	0	0	19.3801	5.9242	1.2279	12.0378	3.4967	10.8403	0.3455	44.5591	100.0110	41.89	0.00	20.48	4.72	0.45	7.62	19.96	4.89	0.00	0.00					100.01
9	155UV020	2015_1	2_7	1-2-007	stream sediments	GP		garnet	0.25-0.5	0.1974	0.0095	0.0077	19.3916	5.4073	2.7274	12.5458	3.4089	10.6401	0.2650	44.4551	99.3257	41.91	0.33	20.10	3.99	0.34	6.96	20.80	4.85	0.03	0.01					99.32
10	155UV024	2015_1	2_8	1-2-008	fluvial	GP		garnet	0.25-0.5	0.1978	0.0467	0	19.3724	5.2299	4.1253	12.4344	3.6187	9.9045	0.2877	41.1468	99.3641	41.44	0.33	18.71	6.09	0.37	6.73	20.62	5.06	0.06					99.35	
11	155UV026	2015_1	2_9	1-2-009	stream sediments	GP		garnet	0.25-0.5	0.0223	0.0185	0	19.1167	5.4673	6.2127	12.1303	3.4556	8.9496	0.3828	43.6714	99.4219	40.90	0.04	16.91	0.98	0.49	7.03	20.12	4.84	0.02	0.00					99.43
12	155UV028	2015_1	2_10	1-2-010A	Beaufort Fm	GP		garnet	0.5-1.0	0.1229	0.0426	0	18.9450	5.2203	6.4721	11.1504	5.0202	8.7471	0.3801	43.2466	99.1742	40.53	0.21	16.20	9.46	0.49	6.72	18.49	7.02	0.06	0.00					99.51
13	155UV028 rpt	2015_1	2_10	1-2-010B	Beaufort Fm	GP		garnet	0.5-1.0	0.1086	0.0402	0.0018	19.0626	5.2091	6.7601	10.9510	5.2861	8.3962	0.3904	43.3198	99.5258	40.78	0.18	15.86	9.88	0.50	6.70	18.16	7.40	0.05	0.00					99.18
14	155UV028 rpt	2015_1	2_11	1-2-011A on fracture	Beaufort Fm	GP		garnet	0.25-0.5	0.2982	0.0331	0.0077	18.2382	4.9136	4.4004	10.5787	3.9174	8.0028	0.2424	40.2503	99.9727	39.21	0.50	15.12	6.43	0.31	6.32	17.54	5.48	0.04	0.01					99.96
15	155UV028	2015_1	2_11	1-2-011B	Beaufort Fm	GP		garnet	0.25-0.5	0.2998	0.0238	0	19.2758	5.0127	4.7393	12.2431	4.2223	9.3807	0.2534	43.9572	99.4081	41.24	0.50	17.72	6.93	0.33	6.45	20.30	5.91	0.03	0.00					99.41
16	155UV030	2015_1	2_12	1-2-012A	Beaufort Fm	GP		garnet	0.25-0.5	0	0.0012	0.0035	19.2381	5.9716	4.8671	11.2731	4.6660	9.6052	0.3605	43.7241	99.4104	41.16	0.00	18.15	7.11	0.47	7.30	18.69	6.53	0.00	0.00					99.41
17	155UV030 rpt	2015_1	2_12	1-2-012B	Beaufort Fm	GP		garnet	0.25-0.5	0.0013	0	0	19.0681	5.6466	4.9146	11.2813	4.6889	9.4447	0.3550	43.4150	98.8154	40.79	0.00	17.85	1.18	0.46	7.26	18.71	6.56	0.00	0.00					99.81
18	155UV051	2015_1	2_13	1-2-013	stream sediments	GP		garnet	0.25-0.5	0.0538	0.0013	0	18.8802	5.4505	8.8693	11.0321	4.8011	6.9986	0.3211	42.7008	99.1088	40.39	0.09	13.22	12.96	0.41	7.01	18.29	6.72	0.00	0.00					99.09
19	155UV028 rpt	2015_1	2_11	1-2-011A+repeat	Beaufort Fm	GP		garnet	0.25-0.5	0.2965	0.0232	0	19.2591	5.0365	4.7364	12.2452	4.2477	9.2774	0.2576	43.8596	99.2353	41.20	0.49	17.53	6.92	0.33	6.48	20.30	5.94	0.03	0.00					99.22
20	155UV001	2015_1	3_1	1-3-001	stream sediments	andradite		garnet	0.25-0.5	1.9657	0.0184	0	16.1210	18.0972	0	0.2680	23.3015	0.7951	0.1637	35.1001	95.8127	34.49	3.28	1.50	0.00	0.21	23.26	0.44	32.60	0.00	0.00					95.78
21	155UV001	2015_1	3_2	1-3-002	stream sediments	andradite		garnet	0.25-0.5	5.4704	0.0044	0	14.3470	14.9855	0.0315	0.4850	23.3725	1.8245	0.0465	35.9853	96.1636	30.69	9.12	3.45	0.05	0.06	19.28	0.80	32.70	0.00	0.00					96.15
22	155UV025	2015_1	3_3	1-3-003	stream sediments	andradite		garnet	0.25-0.5	7.1380	0.0125	0.0001	12.8670	15.3821	0	0.2534	23.0549	1.9934	0.0652	35.0025	95.7691	27.53	11.91	3.77	0.00	0.08	19.79	0.42	32.26	0.00	0.00					95.76
23	155UV025	2015_1	3_4	1-3-004	stream sediments	andradite		garnet	0.25-0.5	1.8845	0.0679	0	16.2493	18.8907	0.0041	0.0238	22.4953	0.7508	0.5837	35.0441	95.9944	34.76	3.14	1.42	0.00	0.75	24.30	0.04	31.48	0.09	0.00					95.98
24	155UV051	2015_1	3_5	1-3-005-FeAlSi	stream sediments	andradite		tourmaline	0.25-0.5	0.2045	1.3496	0.0342	16.0330	9.8919	0	0.9994	0.0637	18.1496	0.1851	38.5956	85.5007	34.30	0.34	34.29	0.00	0.24	12.71	1.66	0.09	1.82	0.04					85.51
25	155UV051	2015_1	3_6	1-3-006	stream sediments	andradite		garnet	0.25-0.5	2.7408	0.0078	0	15.7809	18.3066	0.0000	0.0172	22.6460	1.3680	0.1950	35.1271	96.2246	33.76	4.62	2.40	0.00	0.25	23.80	0.21	31.68	0.00	0.00					96.22
26	155UV051	2015_1	3_7	1-3-007	stream sediments	andradite		garnet	0.25-0.5	7.7053	0.0134	0	14.0316	13.9956	0.0240	0.7733	23.3082	0.7436	0.1082	35.6695	96.3807	30.02	12.85	1.41	0.04	0.14	18.01	1.28	32.61	0.03	0.00					96.39
27	155UV001	2015_1	4_1	1-4-001	stream sediments	almadine		garnet	0.5-1.0	0.0605	0.0081	0	16.9501	14.6998	0	0.5421	1.1522	10.5329	16.2557	38.4868	98.6882	36.26	0.10	19.90	0.00	20.99	18.91	0.90	1.61	0.00	0.00					98.67
28	155UV003	2015_1	4_2	1-4-002	stream sediments	almadine		garnet	0.25-0.5	0.0787	0.0206	0.0029	18.2798	15.6833	0.0089	5.2771	5.9755	11.5797	0.3756	41.6536	98.9357	39.11	0.13	21.88	0.00	0.49	20.18	8.75	8.36	0.03	0.00					98.93
29	155UV003	2015_1	4_3	1-4-003	stream sediments	almadine		garnet	0.25-0.5	0.0424	0.0093	0.0017	17.1618	23.5793	0	0.6421	5.0531	10.7497	1.7497	38.8561	97.8597	36.72	0.07	20.31	0.00	2.26	30.35	1.06	7.07	0.00	0.00					97.84
30	155UV005	2015_1	4_4	1-4-004	stream sediments	almadine		garnet	0.25-0.5	0.0068	0.0009	0	17.5651	18.0029	0	0.6407	5.0531	10.7497	1.7497	38.8561	97.8597	36.72	0.07	20.31	0.00	2.26	30.35	1.06	7.07	0.00	0.00					97.84
31	155UV005	2015_1	4_5	1-4-005	stream sediments	almadine		garnet	0.25-0.5	0.0602	0	0	18.1507	15.2120	0.0294	5.2586	4.5338	11.5140	0.4756	41.3559	98.883	30.10	21.76	0.04	0.61	22.14	8.72	6.34	0.00	0.00					98.54	
32	155UV006	2015_1	4_6	1-4-006	stream sediments	almadine		garnet	0.25-0.5	0.0122	0.0067	0	17.2498	24.6018	0.0216	2.1037	2.2586	10.8209	1.7664	39.1484	97.9899	36.90	0.00	20.45	0.03	2.28	31.65	3.49	3.16	0.00	0.00					97.96
33	155UV006	2015_1	4_7	1-4-007	stream sediments	almadine		garnet	0.25-0.5	0.0204	0.0123	0	17.4862	21.7900	0.0241	2.4559	2.0889	10.9234	1.3344	39.6271	98.7718	37.41	0.03	20.64	0.04	5.60	28.03	4.07	2.92	0.03	0.00					98.77
34	155UV009	2015_1	4_8	1-4-008	stream sediments	almadine		garnet	0.25-0.5	0.0541	0.0079	0	17.8266	22.0628	0.0209	4.4959	1.4915	11.7772	0.7107	40.4629	98.3745	38.14	0.09	21.31	0.03	0.92	28.34	7.46	2.09	0.00	0.00					98.38
35	155UV024	2015_1	5_1	1-5-001	fluvial	almadine		garnet	0.0031	0.0031	0.0047	17.3156	23.3889	0.0004	0.0000	0.7549	5.4105	10.7424	1.8399	39.1842	98.6113	37.04	0.00	20.30	0.00	2.17	30.09	1.25	7.57	0.00	0.00					98.62
36	155UV024	2015_1	5_2	1-5-002	fluvial	almadine		garnet	0.25-0.5	0.0068	0.0086	0	17.6888	20.4076	0	2.1973	6.3408	10.8104	1.1541	39.9908	98.6847	37.84	0.14	20.43	0.00	1.49	26.25	3.6								

95	155U0004	2015_3	1_4	3-1_004	stream sediments	low-Cr_DC	clinopyroxene	0.25-0.5	0.2363	0.5124	0.0065	24.7472	3.2126	0.8506	0.00273	15.0042	0.3777	0.0603	42.7905	97.8256	52.94	0.39	0.71	1.24	0.08	4.13	16.63	20.99	0.69	0.01	97.81	
96	155U0021	2015_3	1_5	3-1_005	stream sediments	low-Cr_DC	clinopyroxene	0.5-1.0	0.1595	0.1224	0.0003	24.5556	4.6885	0.4356	0.10783	13.6572	1.1544	0.1207	43.1469	98.3794	52.53	0.27	1.28	0.64	0.16	5.49	17.84	19.11	0.16	0.00	98.38	
97	155U0021	2015_3	1_6	3-1_006	stream sediments	low-Cr_DC	clinopyroxene	0.25-0.5	0.1270	0.1326	0.0001	24.8489	3.6884	0.5267	10.8687	13.8627	0.9783	0.1067	43.1140	98.0762	52.73	0.21	1.85	0.79	0.14	4.75	18.02	19.40	0.18	0.00	98.07	
98	155U0027	2015_3	1_7	3-1_007	stream sediments	low-Cr_DC	clinopyroxene	0.25-0.5	0.0204	0.3397	0.0001	24.8145	4.9278	0.2729	0.2279	0.06843	0.16131	0.0001	42.2378	98.043	53.09	0.03	1.29	0.33	0.12	5.46	15.32	21.85	0.21	0.00	98.04	
99	155U0028	2015_3	1_8	3-1_008	Beaufort Fm	low-Cr_DC	clinopyroxene	0.25-0.5	0.1661	0.1082	0.0028	24.6310	4.2185	0.4464	11.1244	13.1412	1.0033	0.1283	43.1263	98.0964	52.69	0.28	1.90	0.65	0.17	5.43	18.45	18.39	0.15	0.00	98.11	
100	155U0028	2015_3	1_9	3-1_009	Beaufort Fm	low-Cr_DC	clinopyroxene	0.25-0.5	0.2555	0.1523	0	23.5845	4.4136	0.7140	10.1259	13.6884	1.9380	0.1294	42.5932	97.6218	50.46	0.43	3.66	1.08	0.17	5.68	16.79	19.15	0.21	0.00	97.63	
101	155U0032	2015_3	2_1	3-2_001	stream sediments	low-Cr_DC	clinopyroxene	0.25-0.5	0.2238	0.1474	0.0011	23.3431	4.5588	0.5461	9.5262	14.1929	2.3687	0.1097	42.4288	97.4445	49.93	0.37	4.48	0.80	0.14	5.86	15.80	19.86	0.20	0.00	97.44	
102	155U0032	2015_3	2_2	3-2_002	stream sediments	low-Cr_DC	clinopyroxene	0.25-0.5	0.2028	0.1425	0	23.8407	3.8240	0.8957	10.0783	14.3458	1.8527	0.0995	42.8724	98.1043	51.00	0.34	3.50	1.24	0.13	4.92	16.71	20.07	0.19	0.00	98.10	
103	155U0032	2015_3	2_3	3-2_003	stream sediments	low-Cr_DC	clinopyroxene	0.25-0.5	0.2123	0.1505	0.0022	23.6434	4.0556	0.7262	10.1238	13.9342	1.8921	0.1114	42.4548	97.3656	50.58	0.35	3.52	1.06	0.14	5.22	16.79	19.50	0.27	0.00	97.36	
104	155U0032	2015_3	2_4	3-2_004	stream sediments	low-Cr_DC	clinopyroxene	0.25-0.5	0.1772	0.1462	0.0003	24.0167	4.0419	0.7140	10.4484	13.7789	1.4901	0.1183	42.7591	97.6909	51.38	0.30	2.82	1.04	0.15	5.20	17.33	19.28	0.20	0.00	97.70	
105	155U0032	2015_3	2_5	3-2_005	stream sediments	low-Cr_DC	clinopyroxene	0.25-0.5	0.1375	0.1429	0	24.4012	3.5008	0.6411	10.5449	14.4867	1.1376	0.0988	43.0013	98.0747	52.20	0.23	2.15	0.94	0.13	4.50	17.49	20.27	0.17	0.00	98.08	
106	155U0032	2015_3	2_6	3-2_006	stream sediments	low-Cr_DC	clinopyroxene	0.25-0.5	0.1834	0.1357	0	24.0799	3.9970	0.7513	10.2227	14.0846	1.5361	0.1044	42.8462	97.9412	51.52	0.31	2.90	1.10	0.13	5.14	16.95	19.71	0.18	0.00	97.94	
107	155U0032	2015_3	2_7	3-2_007	stream sediments	low-Cr_DC	clinopyroxene	0.25-0.5	0.2462	0.1347	0.001	23.8788	4.0031	0.6514	10.2788	14.3524	1.9432	0.1078	42.6860	97.6413	50.66	0.41	3.67	0.95	0.14	5.15	16.40	20.08	0.18	0.00	97.64	
108	155U0032	2015_3	2_8	3-2_008	stream sediments	low-Cr_DC	clinopyroxene	0.25-0.5	0.2248	0.1311	0.0014	23.9500	4.0860	0.6137	10.5668	13.5778	1.8149	0.1083	42.9387	97.9935	51.24	0.37	1.43	1.43	0.14	5.26	17.42	19.00	0.18	0.00	97.99	
109	155U0032	2015_3	2_9	3-2_009	stream sediments	low-Cr_DC	clinopyroxene	0.25-0.5	0.2235	0.1465	0.0009	23.8487	4.0319	0.7387	10.0043	14.1371	1.8655	0.1115	42.7899	97.8984	51.02	0.37	3.52	1.08	0.14	5.19	16.59	19.78	0.20	0.00	97.89	
110	155U0052	2015_3	2_10	3-2_010	stream sediments	diopside	clinopyroxene	0.25-0.5	0.3075	0.1405	0	23.5204	4.1407	0.9445	9.9490	13.6138	2.2397	0.1115	42.6835	97.6514	50.32	0.51	4.23	1.38	0.14	5.33	16.50	19.05	0.19	0.00	97.65	
111	155U0006	2015_3	3_1	3-3_001	stream sediments	diopside	olivine	0.25-0.5	0.0080	0	0	17.9080	17.4960	0.0078	22.7812	0.1820	0.0134	0.2514	40.5798	99.2275	38.31	0.00	0.03	0.00	0.32	22.51	37.78	0.25	0.00	0.00	99.20	
112	155U0018	2015_3	3_2	3-3_002	Beaufort Fm	diopside	clinopyroxene	0.25-0.5	0.0205	0.0147	0	25.3014	0.4214	0.0148	10.6631	18.1776	0.7790	0.1145	43.9760	99.4831	54.13	0.03	1.47	0.00	0.15	0.54	17.68	25.43	0.00	0.00	99.43	
113	155U0026	2015_3	3_3	3-3_003	stream sediments	diopside	olivine	0.25-0.5	0.0808	0	0	18.0983	5.5406	0.2075	0.4840	25.2395	8.3000	0.0381	40.4556	98.8462	38.72	0.14	15.68	0.00	0.05	7.13	0.80	35.32	0.00	0.00	98.84	
114	155U0026	2015_3	3_4	3-3_004	stream sediments	diopside	olivine	0.25-0.5	0.0029	0.0086	0.0013	16.7485	20.4594	0	0.0701	23.6334	0.1433	0.0171	34.5624	95.6469	35.83	0.00	0.27	0.00	0.02	26.32	0.12	33.07	0.00	0.00	95.63	
115	155U0028	2015_3	3_5	3-3_005	Beaufort Fm	diopside	olivine	0.25-0.5	0.0665	0	0	18.1501	0.8672	0.0181	0.2974	26.0709	11.4246	0.0389	41.7572	98.6907	38.83	0.11	21.59	0.00	0.05	1.12	0.49	36.48	0.00	0.00	98.67	
116	155U0028	2015_3	3_6	3-3_006	Beaufort Fm	diopside	olivine	0.25-0.5	0.1339	0.0085	0	17.2871	0.9666	0	2.0033	25.4659	9.6200	0.0086	40.1096	95.6035	36.98	0.22	18.18	0.00	0.00	1.24	3.32	35.63	0.00	0.00	95.57	
117	155U0028	2015_3	3_7	3-3_007	stream sediments	diopside	olivine	0.25-0.5	0.0061	0	0.0038	16.9667	27.4527	0	16.6376	0.1223	0.0071	0.3562	38.3125	99.8649	36.30	0.00	0.00	0.00	0.46	35.32	27.59	0.17	0.00	0.00	99.84	
118	155U0021	2015_3	3_8	3-3_008	stream sediments	hedenbergite	olivine	0.5-1.0	0.0010	0	0	16.6792	20.7727	0	0.0047	23.5651	0.0223	0.0043	34.3692	95.3084	35.68	0.00	0.00	0.00	0.00	26.72	0.00	32.97	0.00	0.00	95.37	
119	155U0004	2015_3	3_9	3-3_009	stream sediments	spinel	spinel	0.25-0.5	0.0193	0.0067	0.0027	0	3.7890	0	14.9172	0.0020	36.5467	0.0384	43.4409	98.7628	0.00	0.03	69.05	0.00	0.05	4.87	24.74	0.00	0.00	0.00	0.00	98.74
120	155U0028	2015_3	3_10	3-3_010	Beaufort Fm	spinel	spinel	0.25-0.5	0.0065	0.0028	0	0.0059	4.8881	0.0564	14.7582	0.0023	36.7387	0.0534	43.8487	100.3610	0.00	0.00	69.42	0.08	0.07	6.29	24.47	0.00	0.00	0.00	0.00	100.33
121	155U0003	2015_3	4_1	3-4_001	stream sediments	hercynite	spinel	0.5-1.0	0.3796	0	0.0025	0.0418	16.9342	0.0722	12.5907	0	0.31420	0.1080	40.1384	98.0683	0.09	0.63	59.37	0.11	0.14	21.79	17.56	0.00	0.00	0.00	0.00	99.09
122	155U0003	2015_3	4_2	3-4_002	stream sediments	hercynite	spinel	0.5-1.0	0.3394	0	0	0.0361	15.1259	0.7459	11.1400	0.0028	31.9025	0.0898	40.6770	100.6800	0.08	0.55	60.28	1.09	0.12	19.46	18.48	0.00	0.00	0.00	0.00	100.66
123	155U0014	2015_3	4_3	3-4_004	stream sediments	hercynite	spinel	0.25-0.5	0.0711	0	0.0019	13.6015	0.0004	0.0004	0.0004	0.0004	0.0004	0.0731	41.4898	95.4156	0.09	0.14	15.09	0.03	0.09	11.44	19.17	0.00	0.00	0.00	0.00	99.14
124	155U0014	2015_3	4_4	3-4_005	stream sediments	hercynite	spinel	0.25-0.5	0.4375	0	0	0.0328	18.9682	0.0765	10.2234	0	30.2200	0.1284	39.4470	99.5338	0.07	0.73	57.10	0.11	0.17	24.40	16.95	0.00	0.00	0.00	0.00	99.53
125	155U0020	2015_3	4_6	3-4_006	stream sediments	hercynite	spinel	0.5-1.0	0.2592	0	0	0.0250	15.6548	0.2292	11.0986	0.0002	31.9817	0.1125	40.5786	99.9398	0.05	0.43	60.43	0.33	0.15	20.14	18.40	0.00	0.00	0.00	0.00	99.93
127	155U0020	2015_3	4_7	3-4_007	stream sediments	hercynite	spinel	0.5-1.0	0.2034	0	0.0013	0.0089	14.5783	1.6726	11.9637	0.0049	31.2670	0.1069	40.2571	99.4140	0.00	0.34	59.08	2.44	0.14	19.21	18.18	0.00	0.00	0.00	0.00	99.39
128	155U0025	2015_3	4_8	3-4_008	stream sediments	hercynite	spinel	0.25-0.5	0.3511	0.0026	0	0.0388	15.5743	0.4061	11.0088	0.0013	31.7171	0.0871	40.4043	99.7186	0.08	0.59	59.93	0.59	0.11	20.04	18.38	0.00	0.00	0.00	0.00	99.72
129	155U0026	2015_3	4_9	3-4_009	stream sediments	hercynite	spinel	0.25-0.5	0.1276	0	0	0.0002	12.0908	0.0002	0.0002	0.0002	0.0002	0.2387	40.1157	99.8222	0.00	0.27	60.16	0.00	0.00	10.97	16.54	0.00	0.00	0.00	0.00	99.12
130	155U0051	2015_3	4_10	3-4_010	stream sediments	hercynite	spinel	0.5-1.0	0.3093	0	0	0.0509	16.5284	0.0832	10.9379	0.0006	31.4668	0.1136	40.2612	99.7518	0.11	0.52	59.46	0.12	0.15	21.26	18.14	0.00	0.00	0.00	0.00	99.76
131	155U0001	2015_4	1_1	4-1_001	stream sediments	ilmenite	ilmenite	0.5-1.0	30.6389	0.0076	0.0039	0.0147	24.1748	0.6764	7.6607	0.0124	0.2836	0.2285	33.0938	96.7952	0.03	51.11	0.54	0.99	0.30	31.10	12.70	0.02	0.00	0.00	0.00	96.79
132	155U0001	2015_4	1_2	4-1_002	stream sediments	ilmenite	ilmenite	0.5-1.0	30.2583	0.0089	0.0011	0.0141	28.0501	0.1815	5.9685	0.0120	0.1454	0.1921	32.4729	97.3048	0.03	50.47	0.27	0.27	0.25	36.09	9.90	0.02	0.00	0.00	0.00	97.30
133	155U0001	2015_4	1_3	4-1_003	stream sediments	ilmenite	ilmenite	0.25-0.5	30.7025	0																						

200	155UV030_rpt	2015_4	8_6_r	4-8-B_006	Beaufort Fm	red rutile	rutile	0.25-0.5	59.0195	0.0037	0.0018	0.0019	0.2398	0.1027	0.0025	0.0024	0.0118	0	39.5615	98.9476	0.00	98.45	0.02	0.15	0.00	0.31	0.00	0.00	0.00	0.00	0.00	98.93	
201	155UV030	2015_4	8_7	4-8-A_007	Beaufort Fm	red rutile	rutile	0.25-0.5	58.8038	0	0.0041	0.0031	0.2654	0.0451	0.0054	0.0036	0.0137	0	39.4027	98.5467	0.00	98.09	0.03	0.07	0.00	0.34	0.00	0.00	0.00	0.00	0.00	98.53	
202	155UV030_rpt	2015_4	8_7_r	4-8-B_007	Beaufort Fm	red rutile	rutile	0.25-0.5	58.8865	0.0087	0.0010	0.0000	0.2349	0.0568	0	0.004	0.0039	0.0099	39.4886	98.7605	0.00	98.23	0.00	0.08	0.00	0.42	0.00	0.00	0.00	0.00	0.00	98.73	
203	155UV030	2015_4	8_8	4-8-A_008	Beaufort Fm	red rutile	rutile	0.25-0.5	58.6710	0	0.0043	0.0051	0.2768	0.0198	0.0003	0.0031	0	0.0043	39.3887	98.4783	0.00	98.64	0.00	0.07	0.00	0.03	0.00	0.00	0.00	0.00	0.00	98.45	
204	155UV030_rpt	2015_4	8_8_rpt	4-8-B_008	Beaufort Fm	red rutile	rutile	0.25-0.5	58.7158	0	0.0018	0	0.0137	0.3850	0	0.0039	0.0035	0.0049	39.4137	98.5425	0.00	97.94	0.00	0.56	0.00	0.02	0.00	0.00	0.00	0.00	0.00	98.52	
205	155UV030	2015_4	8_9	4-8-A_009	Beaufort Fm	red rutile	rutile	0.25-0.5	59.1185	0.0007	0	0	0.0512	0.1023	0.0013	0.0155	0	39.5720	98.8631	0.00	98.61	0.03	0.15	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	98.86	
206	155UV030_rpt	2015_4	8_9_r	4-8-B_009	Beaufort Fm	red rutile	rutile	0.25-0.5	59.1086	0	0	0.0003	0.2451	0.1070	0.0008	0.0030	0.0062	0.0057	39.5622	98.8429	0.00	98.60	0.00	0.16	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	98.82
207	155UV030	2015_4	8_10	4-8-A_010	Beaufort Fm	red rutile	rutile	0.25-0.5	59.2402	0	0.0020	0.0040	0.2273	0.0382	0.0027	0.0016	0.0255	0	39.6887	99.2302	0.00	98.82	0.05	0.06	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	99.22
208	155UV030_rpt	2015_4	8_10_rpt	4-8-B_010	Beaufort Fm	red rutile	rutile	0.25-0.5	59.1375	0	0.0003	0.0051	0.2768	0.0198	0.0003	0.0036	0	0.0043	39.3887	98.4783	0.00	98.64	0.00	0.07	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	98.92
209	155UV030	2015_4	8_11	4-8-A_011	Beaufort Fm	red rutile	rutile	0.25-0.5	58.1513	0	0	0.0077	0.5565	0.1603	0	0	0	0.0060	39.0924	97.9741	0.00	97.00	0.00	0.23	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00	97.95
210	155UV030_rpt	2015_4	8_11_r	4-8-B_011	Beaufort Fm	red rutile	rutile	0.25-0.5	58.1220	0.0021	0	0	0.5495	0.1525	0	0.0047	0.0115	0	39.0695	97.9118	0.00	96.95	0.02	0.22	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.00	97.90
211	155UV030	2015_4	8_12	4-8-A_012	Beaufort Fm	red rutile	rutile	0.25-0.5	58.8011	0	0.0051	0.0058	0.0309	0.2610	0	0.0051	0.0054	0.0037	39.4275	98.5456	0.00	98.08	0.00	0.38	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.01	98.52
212	155UV030_rpt	2015_4	8_12_r	4-8-B_012	Beaufort Fm	red rutile	rutile	0.25-0.5	58.6809	0.0004	0.0020	0	0.0437	0.2584	0	0.0013	0.0073	0	39.3416	98.3356	0.00	97.88	0.00	0.38	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	98.32
213	155UV030	2015_4	8_13	4-8-A_013	Beaufort Fm	red rutile	rutile	0.25-0.5	58.8059	0	0	0.0077	0.4062	0.0346	0.0007	0	0	39.4974	98.8034	0.00	98.19	0.00	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.87
214	155UV030_rpt	2015_4	8_13_r	4-8-B_013	Beaufort Fm	red rutile	rutile	0.25-0.5	58.8867	0	0.0009	0.0070	0.5187	0.0531	0	0.0024	0.0048	0	39.5262	98.9998	0.00	98.23	0.00	0.08	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	98.98
217	155UV001	2015_5	1_1	5-1_001	stream sediments	chromite, euheudral	chromite	0.25-0.5	0.2724	0	0.0005	0	13.8285	33.0601	9.2739	0.0009	8.9588	0.1445	33.3633	98.3569	0.00	0.45	16.93	48.32	0.19	17.09	15.38	0.00	0.00	0.00	0.00	0.00	98.36
218	155UV001	2015_5	1_2	5-1_002	stream sediments	chromite, euheudral	chromite	0.25-0.5	0.2686	0	0	0	19.9915	31.7623	5.7149	0	8.5877	0.2272	32.0345	98.5868	0.00	0.45	16.23	46.42	0.29	25.72	9.48	0.00	0.00	0.00	0.00	0.00	98.59
219	155UV001	2015_5	1_3	5-1_003	stream sediments	chromite, euheudral	chromite	0.25-0.5	2.1459	0.0212	0	0	22.6930	26.0186	7.6012	0.0015	7.3811	0.1877	31.5765	97.6267	0.00	3.58	13.95	38.03	0.24	29.19	12.61	0.00	0.00	0.00	0.00	0.00	98.60
220	155UV001	2015_5	1_4	5-1_004	stream sediments	chromite, euheudral	chromite	0.25-0.5	1.6759	0	0	0	18.6057	28.1009	7.9816	0.0001	7.2756	0.1739	31.9477	97.7673	0.00	2.80	13.75	42.53	0.22	25.22	13.24	0.01	0.00	0.00	0.00	0.00	98.77
221	155UV001	2015_5	1_5	5-1_005	stream sediments	chromite, euheudral	chromite	0.25-0.5	0.2739	0.0033	0.0069	0	16.7882	31.9473	7.2516	0.0038	9.0830	0.1928	32.6800	98.2758	0.00	0.46	17.16	46.69	0.25	21.60	12.09	0.00	0.00	0.01	0.00	0.00	98.26
222	155UV001	2015_5	1_6	5-1_006	stream sediments	chromite, euheudral	chromite	0.25-0.5	1.6758	0.0029	0	0	19.6585	27.8781	7.9530	0.0037	8.2458	0.1830	32.2452	97.8460	0.00	2.80	15.58	40.75	0.24	25.29	13.19	0.00	0.00	0.00	0.00	0.00	98.75
223	155UV001	2015_5	1_7	5-1_007	stream sediments	chromite, euheudral	chromite	0.25-0.5	1.8425	0	0	0	21.6228	25.5155	7.7308	0.0027	8.5975	0.1713	31.9905	97.4736	0.00	3.07	16.24	37.29	0.22	27.82	12.82	0.00	0.00	0.00	0.00	0.00	98.46
224	155UV001	2015_5	1_8	5-1_008	stream sediments	chromite, euheudral	chromite	0.25-0.5	0.1459	0	0	0	20.7726	26.6574	5.1682	0.0052	12.5360	0.2067	32.2987	98.4602	0.00	0.24	23.69	38.96	0.27	26.72	8.57	0.00	0.00	0.00	0.00	0.00	98.45
225	155UV001	2015_5	1_9	5-1_009	stream sediments	chromite, euheudral	chromite	0.25-0.5	0.4988	0.0079	0	0	17.6354	28.0962	7.4833	0.0007	11.1594	0.1734	32.2887	98.3747	0.00	0.83	21.15	41.06	0.22	22.69	12.41	0.00	0.00	0.00	0.00	0.00	98.36
226	155UV001	2015_5	1_10	5-1_010	stream sediments	chromite, euheudral	chromite	0.25-0.5	0.3943	0.0055	0.0048	0	18.0103	29.1766	7.0472	0.0025	10.4208	0.1832	32.8560	98.1012	0.00	0.66	19.69	42.64	0.24	23.17	11.69	0.00	0.00	0.00	0.00	0.00	98.09
227	155UV001	2015_5	1_11	5-1_011	stream sediments	chromite, euheudral	chromite	0.25-0.5	2.0148	0.0096	0.0046	0	21.2967	22.7404	8.1124	0	10.6399	0.1522	32.7969	97.7675	0.00	3.36	20.10	33.24	0.20	27.40	13.45	0.00	0.00	0.00	0.00	0.00	97.75
228	155UV002	2015_5	2_1	5-2_001	stream sediments	chromite, euheudral	chromite	0.25-0.5	0.3552	0.0020	0	0	15.4196	31.4583	8.2313	0	9.6662	0.1676	33.2414	98.5146	0.00	0.59	18.26	45.98	0.22	19.84	13.65	0.00	0.00	0.00	0.00	0.00	98.54
229	155UV002	2015_5	2_2	5-2_002	stream sediments	chromite, euheudral	chromite	0.25-0.5	0.2919	0	0.0032	0	13.8485	31.9389	8.2504	0.0058	9.7531	0.1447	33.5960	98.4186	0.00	0.49	18.43	46.68	0.19	17.28	15.34	0.01	0.00	0.00	0.00	0.00	98.42
230	155UV002	2015_5	2_3	5-2_003	stream sediments	chromite, euheudral	chromite	0.25-0.5	1.0901	0.0082	0	0	16.8753	27.1117	8.2994	0	10.9882	0.1519	33.5511	98.1445	0.00	0.72	22.98	39.63	0.20	21.71	13.76	0.00	0.00	0.00	0.00	0.00	98.87
231	155UV002	2015_5	2_4	5-2_004	stream sediments	chromite, euheudral	chromite	0.25-0.5	0.3283	0.0065	0.0038	0	16.3840	31.8109	8.1757	0	8.8269	0.1772	32.8272	98.3405	0.00	0.55	16.68	46.49	0.23	20.82	13.56	0.00	0.00	0.00	0.00	0.00	98.33
232	155UV002	2015_5	2_5	5-2_005	stream sediments	chromite, euheudral	chromite	0.25-0.5	0.3413	0	0	0	20.4868	30.7294	5.9696	0.0011	8.5555	0.1976	31.8791	98.1604	0.00	0.57	16.17	44.91	0.26	26.36	9.90	0.00	0.00	0.00	0.00	0.00	98.17
233	155UV002	2015_5	2_6	5-2_006	stream sediments	chromite, euheudral	garnet	0.25-0.5	0.2099	0.0077	0	16.0235	9.2074	0.0000	0.6789	24.2947	4.7050	0.0733	38.0612	97.2615	34.28	7.02	8.89	0.00	0.09	11.85	11.13	33.99	0.00	0.00	0.00	0.00	98.25
234	155UV003	2015_5	2_7	5-2_007	stream sediments	chromite, euheudral	chromite	0.25-0.5	0.5392	0.0089	0.0017	0	21.5839	28.4372	5.3150	0.0014	9.9763	0.2277	32.1127	98.7203	0.00	0.90	18.85	41.56	0.29	27.77	8.81	0.00	0.00	0.00	0.00	0.00	98.18
235	155UV003	2015_5	2_8	5-2_008	stream sediments	chromite, euheudral	chromite	0.25-0.5	0.1858	0.0113	0.0001	0	13.4084	28.9532	8.4002	0.0001	10.4638	0.1222	32.9510	98.1952	0.00	0.33	14.04	32.22	0.16	13.44	17.35	0.00	0.00	0.00	0.00	0.00	98.43
236	155UV003	2015_5	2_9	5-2_009	stream sediments	chromite, euheudral	spinel	0.25-0.5	0.4876	0	0.0035	0	12.3953	18.2921	10.8189	0.0006	18.9507	0.1394	37.1406	99.1287	0.00	0.81	37.51	26.74	0.18	15.95	17.94	0.00	0.00	0.00	0.00	0.00	99.13
237	155UV003	2015_5	2_10	5-2_010	stream sediments	chromite, euheudral	chromite	0.25-0.5	1.6154	0	0.0045	0	21.5739	21.1427	8.0090	0	12.0812	0.1975	33.0957	97.7199	0.00	2.69	22.83	30.90	0.26	27.75	13.28	0.00	0.00	0.00	0.00	0.00	97.71
238	155UV003	2015_5	2_11	5-2_011	stream sediments	chromite, euheudral	chromite	0.25-0.5	0.3572	0	0	0	17.3553	29.8827	7.8795	0.0022																	

300	155UV003	2015	6	3	5	6-3_005	stream sediments	chromite	chromite	0.25-0.5	0.6617	0.0111	0.0028	0	13.5339	21.5719	10.0501	0.0047	16.7615	0.1379	35.8480	98.5836	0.00	1.10	31.67	31.53	0.18	17.41	16.67	0.00	0.00	0.00	98.56	
301	155UV003	2015	6	3	6	6-3_006	stream sediments	chromite	spinel	0.25-0.5	0.0111	0.0079	0	0	8.8686	11.5919	12.1693	0.0015	26.9054	0.0916	39.8195	99.2846	0.00	0.00	50.84	16.94	0.12	11.18	20.18	0.00	0.00	0.00	99.26	
302	155UV003	2015	6	3	7	6-3_007	stream sediments	chromite	chromite	0.25-0.5	0.0310	0	0	0	12.2551	25.7175	9.9304	0	15.0974	0.1381	35.6990	99.0785	0.00	0.55	28.53	37.59	0.18	15.77	16.47	0.00	0.00	0.00	99.09	
303	155UV003	2015	6	3	8	6-3_008	stream sediments	chromite	chromite	0.25-0.5	0.2626	0.0024	0	0	15.0308	17.7767	10.2626	0.0003	18.9588	0.1807	36.3092	98.9135	0.00	0.44	37.03	25.98	0.23	20.11	25.98	0.00	0.00	0.00	98.85	
304	155UV003	2015	6	3	9	6-3_009	stream sediments	chromite	chromite	0.25-0.5	0.0547	0	0.0011	0	14.0486	20.9451	9.8686	0.0060	17.2937	0.1301	35.9775	98.8178	0.00	0.91	32.68	30.61	0.17	18.07	16.37	0.01	0.00	0.00	98.82	
305	155UV003	2015	6	3	10	6-3_010	stream sediments	chromite	chromite	0.25-0.5	0.0800	0	0	0	9.7183	17.5518	11.2356	0.0016	22.1886	0.1026	38.1025	98.9811	0.00	0.13	41.93	25.65	0.13	12.50	18.63	0.00	0.00	0.00	98.97	
306	155UV003	2015	6	3	11	6-3_011	stream sediments	chromite	chromite	0.25-0.5	0.2321	0	0	0	11.4614	28.0572	9.7467	0.0065	13.2951	0.1512	35.1394	99.0896	0.00	0.39	25.12	42.47	0.20	14.75	16.16	0.01	0.00	0.00	98.90	
307	155UV004	2015	6	4	1	6-4_001	stream sediments	chromite	chromite	0.25-0.5	0.1722	0	0	0	23.5842	28.0759	9.5986	0.0030	10.9674	0.2418	32.0236	98.6617	0.00	0.29	20.72	41.04	0.31	30.34	5.96	0.00	0.00	0.00	98.16	
308	155UV004	2015	6	4	2	6-4_002	stream sediments	chromite	chromite	0.25-0.5	0.3447	0.0006	0	0	17.7767	10.2626	9.9304	0.0003	9.8992	0.2247	32.4677	98.9879	0.00	0.47	36.92	25.98	0.29	12.57	16.84	0.01	0.00	0.00	98.30	
309	155UV004	2015	6	4	3	6-4_003	stream sediments	chromite	ilmenite	0.25-0.5	28.5804	0.0141	0.0051	0.0033	37.8181	0.0096	0.3457	0.0036	0.0292	0.2445	30.2684	97.3219	0.00	47.67	0.06	0.00	0.32	48.65	0.57	0.00	0.00	0.00	97.27	
310	155UV005	2015	6	4	4	6-4_004	stream sediments	chromite	chromite	0.25-0.5	0.0393	0.0206	0	0	25.0965	23.9423	3.8782	0.0024	12.8113	0.2722	32.3033	98.3662	0.00	0.07	24.21	34.99	0.35	32.29	6.43	0.00	0.00	0.00	98.34	
311	155UV006	2015	6	4	5	6-4_005	stream sediments	chromite	chromite	0.25-0.5	0.4447	0.0011	0	0	12.0716	27.3011	10.0019	0.0019	13.6250	0.1436	35.1034	98.6942	0.00	0.74	25.74	39.90	0.19	15.53	16.59	0.00	0.00	0.00	98.69	
312	155UV009	2015	6	4	6	6-4_006	stream sediments	chromite	chromite	0.5-1.0	0.6931	0.0081	0.0007	0	15.5332	21.8988	9.3578	0.0017	16.8195	0.1413	35.4118	98.5901	0.00	1.16	30.97	30.76	0.18	19.98	15.52	0.00	0.00	0.00	98.57	
313	155UV009	2015	6	4	1	6-5_001	stream sediments	chromite	ilmenite	0.25-0.5	29.3194	0	0	0	37.0221	0.0072	0.1410	0	0.0900	0.4297	30.5112	97.6795	0.00	49.01	0.00	0.55	47.86	0.23	0.00	0.00	0.00	0.00	97.65	
314	155UV009	2015	6	5	2	6-5_002	stream sediments	chromite	ilmenite	0.25-0.5	29.5114	0	0	0.0025	37.2020	0.0000	0.1285	0.0053	0	0.5626	30.6270	98.0394	0.00	49.23	0.00	0.00	0.73	47.86	0.21	0.00	0.00	0.00	98.03	
315	155UV009	2015	6	5	3	6-5_003	stream sediments	chromite	ilmenite	0.25-0.5	29.2232	0	0.0011	0.0059	37.5479	0.0058	0.0778	0	0.0107	0.5253	30.5035	97.9011	0.00	48.75	0.02	0.00	0.68	48.31	0.13	0.00	0.00	0.00	97.89	
316	155UV009	2015	6	5	4	6-5_004	stream sediments	chromite	ilmenite	0.25-0.5	21.5905	0.0027	0	0.0088	44.2926	0.0264	0.0096	0.0028	0.0674	0.2458	27.9338	95.1803	0.00	36.01	0.13	0.04	0.32	56.98	1.67	0.00	0.00	0.00	95.15	
317	155UV009	2015	6	5	5	6-5_005	stream sediments	chromite	ilmenite	0.25-0.5	33.2265	0.0028	0.0174	0.1150	24.7790	0.0418	0.0231	0.0187	0.0864	0.2471	30.2707	91.0495	0.25	55.42	0.16	0.06	3.16	31.88	0.04	0.03	0.00	0.02	0.00	91.02
318	155UV009	2015	6	5	6	6-5_006	stream sediments	chromite	ilmenite	0.25-0.5	28.8106	0	0.0013	0.0055	37.1967	0.0032	0.8000	0.0023	0.0463	0.3411	30.5812	97.7902	0.00	48.06	0.09	0.00	0.44	47.85	1.33	0.00	0.00	0.00	97.77	
319	155UV009	2015	6	5	7	6-5_007	stream sediments	chromite	ilmenite	0.25-0.5	28.8188	0.0103	0.0022	0	36.8873	0.0136	0.4159	0.0024	0.0555	0.2525	30.2287	96.6871	0.00	48.07	0.10	0.00	0.33	47.46	0.69	0.00	0.00	0.00	96.65	
320	155UV009	2015	6	5	8	6-5_008	stream sediments	chromite	ilmenite	0.25-0.5	30.8045	0.0157	0.0027	0.0156	23.4235	1.0362	7.9934	0.0191	0.3031	0.2207	33.3943	97.2268	0.03	51.38	0.57	1.51	29.09	30.13	13.25	0.03	0.00	0.00	97.19	
321	155UV009	2015	6	5	9	6-5_009	stream sediments	chromite	ilmenite	0.25-0.5	26.9529	0.0108	0.0036	0.0020	39.0767	0.0072	0.8169	0.0009	0.0282	0.3943	29.8897	97.1832	0.00	44.96	0.05	0.00	0.51	50.27	1.35	0.00	0.00	0.00	97.14	
322	155UV009	2015	6	5	10	6-5_010	stream sediments	chromite	ilmenite	0.25-0.5	0.4456	0.0007	0	0	16.7424	30.0719	7.7452	0.0053	10.2221	0.1689	33.1770	98.4198	0.00	0.74	19.33	43.95	0.22	21.32	12.84	0.00	0.00	0.00	97.10	
323	155UV009	2015	6	6	1	6-6-1A-ilmenite	stream sediments	chromite	ilmenite	0.25-0.5	22.4072	0.0115	0.0008	0.1283	14.4513	0.0098	0.1904	0.2557	0.0017	38.7850	97.5213	30.84	1.38	0.48	0.00	0.00	0.94	0.00	0.00	0.00	0.00	97.49		
324	155UV009	2015	6	6	2	6-6-1B-ilmenite	stream sediments	chromite	ilmenite	0.25-0.5	29.1600	0.0216	0.0009	0.0049	37.3062	0.0180	0.1751	0.0069	0.0285	0.5566	30.4957	97.7741	0.00	48.64	0.05	0.00	0.72	47.99	0.29	0.01	0.00	0.00	97.70	
325	155UV009	2015	6	6	2	6-6_002	stream sediments	chromite	chromite	0.25-0.5	28.0417	0	0.0017	0	38.5776	0	0.2968	0.0007	0.0050	0.6187	30.1664	97.7085	0.00	46.78	0.00	0.00	0.80	49.63	0.49	0.00	0.00	0.00	97.70	
326	155UV009	2015	6	6	3	6-6_003	stream sediments	chromite	chromite	0.25-0.5	0.0340	0.0099	0.0017	0	17.1781	41.4687	4.5524	0	4.0893	0.3021	30.8110	98.4472	0.00	0.06	7.73	60.61	0.39	22.10	7.55	0.00	0.00	0.00	98.44	
327	155UV009	2015	6	6	4	6-6_004	stream sediments	chromite	chromite	0.25-0.5	0.1163	0.0043	0.0053	0	16.8873	24.5919	7.8501	0.0087	15.2055	0.1754	34.8395	98.9438	0.00	0.23	28.81	35.94	0.23	20.70	10.02	0.01	0.00	0.00	98.94	
328	155UV009	2015	6	6	5	6-6_005	stream sediments	chromite	chromite	0.25-0.5	30.9186	0	0.0009	0.0051	14.4037	0.0003	6.4250	0.0003	0.0003	0.4657	30.7922	97.9377	0.00	50.27	0.00	0.00	0.44	47.85	1.33	0.00	0.00	0.00	98.91	
329	155UV009	2015	6	6	6	6-6_006	stream sediments	chromite	ilmenite	0.25-0.5	29.1019	0	0.0021	0.0094	37.4949	0.0005	0.1505	0.0079	0.0056	0.6409	30.4893	97.9030	0.00	48.54	0.00	0.00	0.83	48.24	0.25	0.01	0.00	0.00	97.87	
330	155UV009	2015	6	6	7	6-6_007	stream sediments	chromite	chromite	0.25-0.5	0.2257	0	0.0011	0	10.9218	24.9768	10.2159	0.0000	16.4374	0.1352	36.1940	99.1079	0.00	3.38	31.06	36.51	0.17	14.05	16.94	0.00	0.00	0.00	99.11	
331	155UV009	2015	6	6	8	6-6_008	stream sediments	chromite	ilmenite	0.25-0.5	28.9755	0	0.0012	0	37.5715	0.0219	0.4882	0.0024	0.0232	0.2267	30.5408	97.8513	0.00	48.33	0.04	0.00	0.29	48.34	0.81	0.00	0.00	0.00	98.81	
332	155UV009	2015	6	9	9	6-6_009	stream sediments	chromite	chromite	0.25-0.5	0.0795	0.0114	0	0	16.7424	30.1351	8.5415	0.0034	0.2500	0.1688	32.8084	98.2255	0.00	1.63	16.00	44.37	0.22	21.53	14.16	0.00	0.00	0.00	98.72	
333	155UV009	2015	6	10	10	6-6_010	stream sediments	chromite	chromite	0.25-0.5	33.1071	0.0107	0.0008	0.1283	14.4513	0.0098	0.1904	0.2557	0.0017	38.7850	97.5213	30.84	1.38	0.48	0.00	0.00	0.94	0.00	0.00	0.00	0.00	98.01		
334	155UV010	2015	7	1	1	7-1_001	stream sediments	chromite	chromite	0.25-0.5	0.0357	0.0121	0.0015	0	9.7852	21.4431	10.9819	0.0026	19.4515	0.1088	37.2895	99.1010	0.00	0.06	36.75	31.34	0.14	12.59	18.21	0.00	0.00	0.00	99.09	
335	155UV010	2015	7	1	2	7-1_002	stream sediments	chromite	chromite	0.25-0.5	0.0943	0.0032	0	0	12.3904	23.5995	8.4023	0.0011	18.0254	0.2210	36.1361	98.8733	0.00	0.16	34.06	34.49	0.29	15.94	13.93	0.00	0.00	0.00	98.87	
336	155UV014	2015	7	1	3	7-1_003	stream sediments	chromite	chromite	0.25-0.5	0.5282	0	0	0	21.3573	27.0619	8.5835	0.0053	10.8182	0.2107	32.5021	98.3370	0.00	0.88	20.44	39.55	0.27	27.48	9.71	0.00	0.00	0.00	98.33	
337	155UV014	2015	7	1	4	7-1_004	stream sediments	chromite	chromite	0.25-0.5	0.4198	0.0155	0	0	15.8044	25.1218	8.7904																	

400	165U0203	2016_1	1_3_1	240	Beaufort Fm	GP	garnet	0.25-0.5	0.0121	0.0167	0.0015	19.6744	5.6272	3.0914	11.8668	4.2204	10.9736	0.3032	44.8400	100.6830	42.09	0.02	20.73	4.52	0.39	7.24	19.68	5.91	0.02	0.00	0.00	0.00	0.00	0.04	0.00	100.65
401	165U0203	2016_1	1_3_2	241	Beaufort Fm	GP	garnet	0.25-0.5	0.0249	0.0337	0.0017	19.1743	5.4437	7.3365	11.2279	5.1056	7.8072	0.2680	43.4514	100.1350	41.02	0.38	14.75	10.72	0.35	7.00	18.62	7.14	0.04	0.00	0.00	0.00	0.00	0.06	0.05	100.13
402	165U0203	2016_1	1_3_3	242	Beaufort Fm	GP	garnet	0.25-0.5	0.1260	0.0234	0.0000	19.3032	4.7122	4.8842	11.9279	4.0689	8.9819	0.2642	44.1144	100.3240	41.72	0.21	16.40	9.47	0.34	6.06	19.80	6.17	0.03	0.00	0.00	0.00	0.00	0.06	0.03	100.30
403	165U0203	2016_1	1_3_4	243	Beaufort Fm	GP	garnet	0.25-0.5	0.0154	0.0330	0.0000	19.3764	5.3047	6.1475	11.6052	4.4638	8.7673	0.3194	43.8951	100.4580	41.37	0.40	16.57	8.98	0.37	6.80	19.25	6.25	0.04	0.00	0.00	0.00	0.00	0.06	0.01	100.16
404	165U0203	2016_1	1_3_5	244	Beaufort Fm	GP	garnet	0.25-0.5	0.0801	0.0131	0.0078	19.7110	5.8188	2.8152	12.3328	3.5379	10.9677	0.2888	44.8881	100.5170	42.17	0.13	20.72	4.41	0.37	7.49	20.45	4.95	0.02	0.01	0.00	0.00	0.00	0.05	0.03	100.50
405	165U0205	2016_1	1_3_6	245	stream sediments	GP	garnet	0.25-0.5	0.0000	0.0086	0.0004	19.6205	5.2996	6.5367	12.6313	2.7436	8.7965	0.3099	44.2514	100.2560	41.98	0.00	16.62	9.55	0.40	6.82	20.95	3.84	0.00	0.00	0.00	0.00	0.00	0.05	0.02	100.23
406	165U0205	2016_1	1_3_7	246	stream sediments	GP	garnet	0.25-0.5	0.0273	0.0155	0.0035	19.9449	5.8068	3.1066	11.7099	4.2905	10.8846	0.3438	44.6415	100.3710	41.81	0.05	20.57	4.54	0.44	7.47	19.41	6.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02	100.34
407	165U0208 rpt	2016_1	1_3_8	247	stream sediments	GP	garnet	0.5-1.0	0.2059	0.0276	0.0036	19.9321	5.3044	6.0947	11.6392	4.6967	8.7451	0.2680	43.9466	100.3340	41.49	0.34	16.39	8.91	0.35	6.82	19.30	6.57	0.04	0.00	0.00	0.00	0.00	0.05	0.04	100.30
408	165U0208	2016_1	1_3_8	248	stream sediments	GP	garnet	0.5-1.0	0.2224	0.0206	0.0046	19.4447	5.1464	6.1680	11.6639	4.6569	8.4606	0.2837	44.0429	100.6140	41.60	0.37	16.38	9.02	0.37	6.84	19.34	6.52	0.04	0.00	0.00	0.00	0.00	0.06	0.03	100.56
409	165U0208	2016_1	1_3_9	249	stream sediments	GP	garnet	0.25-0.5	0.0030	0.0059	0.0046	19.7447	5.9224	3.4676	12.3012	3.2033	10.7369	0.3800	44.6878	100.6900	42.24	0.00	20.29	5.07	0.49	7.62	20.40	4.48	0.00	0.00	0.00	0.00	0.00	0.03	0.03	100.65
410	165U0300	2016_1	1_3_10	250	stream sediments	GP	garnet	0.5-1.0	0.2092	0.0133	0.0032	19.7302	5.2668	4.2818	12.1170	4.0094	9.9724	0.2798	44.6818	100.6370	42.21	0.35	18.84	6.26	0.36	6.78	20.09	5.61	0.04	0.00	0.00	0.00	0.00	0.04	0.04	100.62
411	165U0207	2016_1	1_3_11	251	stream sediments	andradite	andradite	0.5-1.0	1.5629	0.0213	0.0023	16.3010	23.4476	2.5169	0.0001	0.2217	23.4476	0.1217	36.4061	97.9258	34.87	2.61	4.76	0.00	0.16	22.11	0.37	32.81	0.03	0.00	0.00	0.00	0.00	0.16	0.04	97.90
412	165U0207	2016_1	1_3_12	252	stream sediments	andradite	andradite	0.25-0.5	3.0185	0.0447	0.0040	16.1952	14.8484	0.0140	0.2218	23.9409	2.7257	0.0953	37.0913	98.6249	34.65	5.04	5.15	0.00	0.12	19.23	0.37	33.50	0.06	0.00	0.00	0.00	0.00	0.42	0.03	98.57
413	165U0208	2016_1	1_3_13	253	stream sediments	andradite	andradite	0.25-0.5	0.0032	0.0011	0.0003	16.0931	21.8548	0.0001	0.0000	16.9070	21.8548	0.0001	0.0402	37.4947	97.4342	35.51	0.00	0.00	0.00	0.02	28.12	0.08	33.63	0.03	0.01	0.00	0.00	0.00	0.04	100.42
414	165U0203	2016_1	1_4_1	254	Beaufort Fm	almadine	garnet	0.25-0.5	0.0954	0.0016	0.0040	18.0544	20.7730	0.0098	0.3035	5.2647	11.4273	0.7784	41.1085	100.5950	38.62	0.16	21.59	0.00	1.01	26.72	5.03	7.37	0.00	0.00	0.00	0.00	0.00	0.03	0.00	100.54
415	165U0203	2016_1	1_4_2	255	Beaufort Fm	almadine	garnet	0.25-0.5	0.0248	0.0026	0.0047	17.8851	21.8073	0.0243	0.6355	5.0206	11.3143	1.0102	40.7841	100.5780	38.26	0.04	21.38	0.04	1.30	28.06	4.37	7.02	0.00	0.00	0.00	0.00	0.00	0.06	0.00	100.54
416	165U0208	2016_1	1_4_3	256	stream sediments	almadine	garnet	0.5-1.0	0.0346	0.0024	0.0017	18.5894	19.1640	0.0161	7.0218	0.8910	11.9047	0.2821	42.3719	100.3240	39.77	0.06	22.49	0.00	0.73	24.65	11.64	1.25	0.00	0.00	0.00	0.00	0.00	0.00	100.28	
417	165U0208	2016_1	1_4_4	257	stream sediments	almadine	garnet	0.5-1.0	0.0095	0.0009	0.0062	17.8155	25.1175	0.0357	2.1261	3.4504	11.2273	0.5678	40.4489	100.8110	38.11	0.00	21.21	0.00	0.36	32.31	5.53	4.83	0.00	0.00	0.00	0.00	0.00	0.00	100.73	
418	165U0208	2016_1	1_4_5	258	stream sediments	almadine	garnet	0.5-1.0	0.0773	0.0293	0.0017	18.3983	17.3722	0.0000	3.7792	7.1208	11.0127	0.5770	41.6995	100.5170	39.36	0.13	21.58	0.00	0.74	22.36	4.27	9.96	0.04	0.00	0.00	0.00	0.00	0.00	0.03	100.50
419	165U0208	2016_1	1_4_6	259	stream sediments	almadine	garnet	0.25-0.5	0.0263	0.0148	0.0050	18.3906	17.9775	0.0421	5.4388	4.0878	11.8351	0.3562	42.1851	100.5610	39.64	0.04	22.36	0.06	0.46	23.13	9.02	5.72	0.02	0.00	0.00	0.00	0.00	0.00	0.03	100.40
420	165U0014	2016_1	1_4_7	260	stream sediments	forsterite	olivine	0.25-0.5	0.0027	0.0135	0.0030	17.6015	21.8293	0.0000	20.3680	0.2171	0.0145	0.3109	39.9452	100.4220	37.66	0.00	0.03	0.00	0.40	28.08	33.78	0.20	0.00	0.00	0.00	0.12	0.03	0.00	100.41	
421	165U0208	2016_1	1_4_8	261	stream sediments	forsterite	olivine	0.25-0.5	0.0071	0.0044	0.0055	18.8214	20.1583	0.0000	27.7356	0.1499	0.0201	0.1521	42.8099	100.0950	40.27	0.00	0.04	0.00	0.20	13.07	45.99	0.21	0.00	0.00	0.00	0.00	0.00	0.00	100.06	
422	165U0204	2016_1	1_5_1	262	stream sediments	fayalite	olivine	0.25-0.5	0.0066	0.0016	0.0000	16.7562	28.9399	0.0000	0.5285	0.3444	0.0033	0.4055	37.9290	100.6190	35.85	0.00	0.00	0.00	0.52	38.44	25.35	0.20	0.00	0.00	0.00	0.00	0.00	0.00	100.49	
423	165U0114	2016_1	1_5_2	263	stream sediments	fayalite	olivine	0.25-0.5	0.0210	0.0071	0.0000	16.6669	16.3693	0.0000	12.6614	0.1612	0.0106	0.4875	37.2587	100.6820	35.02	0.04	0.02	0.00	0.63	41.99	22.65	0.23	0.00	0.00	0.00	0.00	0.00	0.03	100.65	
424	165U0014	2016_1	1_5_3	264	stream sediments	fayalite	olivine	0.25-0.5	0.0155	0.0118	0.0000	16.8354	28.0485	0.0019	16.3882	0.1970	0.0137	0.4160	38.7219	100.3040	36.02	0.03	0.03	0.00	0.54	36.08	27.18	0.28	0.00	0.00	0.00	0.00	0.00	0.00	100.23	
425	165U0014	2016_1	1_5_4	265	stream sediments	fayalite	olivine	0.25-0.5	0.0098	0.0049	0.0000	16.6955	30.1157	0.0030	15.2596	0.1607	0.0018	0.4330	37.9221	100.6770	35.72	0.00	0.00	0.00	0.56	38.74	25.31	0.22	0.00	0.00	0.00	0.00	0.00	0.00	100.63	
426	165U0014	2016_1	1_5_5	266	stream sediments	fayalite	olivine	0.25-0.5	0.0120	0.0089	0.0000	16.6600	29.8977	0.0059	15.7607	0.1927	0.0073	0.4483	37.8531	100.4200	35.64	0.00	0.00	0.00	0.58	38.46	25.31	0.27	0.00	0.00	0.00	0.00	0.00	0.05	0.03	100.37
427	165U0016	2016_1	1_5_6	267	stream sediments	fayalite	olivine	0.25-0.5	0.0061	0.0048	0.0000	17.1326	26.1223	0.0062	17.2402	0.2114	0.0070	0.5564	38.9268	100.6280	36.65	0.00	0.02	0.00	0.46	33.61	29.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00	100.60	
428	165U0116	2016_1	1_5_7	268	stream sediments	fayalite	olivine	0.25-0.5	0.0022	0.0000	0.0000	17.0004	27.0004	0.0000	17.0004	0.2142	0.0000	0.5564	38.9268	100.6280	36.65	0.00	0.02	0.00	0.46	33.61	29.41	0.30	0.00	0.00	0.00	0.00	0.00	0.00	100.60	
429	165U0016	2016_1	1_5_8	269	stream sediments	fayalite	olivine	0.25-0.5	0.0010	0.0000	0.0036	16.6342	30.6447	0.0018	15.0727	0.1772	0.0031	0.4353	37.8328	100.7250	35.59	0.00	0.00	0.00	0.56	39.19	25.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	100.70	
430	165U0016	2016_1	1_5_9	270	stream sediments	fayalite	olivine	0.25-0.5	0.0133	0.0062	0.0000	17.1073	26.1242	0.0066	17.6279	0.2041	0.0027	0.3856	38.8230	100.4010	36.60	0.02	0.00	0.00	0.50	33.61	29.23	0.29	0.00	0.00	0.00	0.00	0.00	0.00	100.35	
431	165U0016	2016_1	1_5_10	271	stream sediments	fayalite	olivine	0.25-0.5	0.0179	0.0121	0.0033	17.2205	25.1662	0.0045	18.3425	0.0930	0.0052	0.3052	39.1036	100.4350	36.84	0.03	0.00	0.00	0.39	32.38	30.42	0.13	0.00	0.00	0.00	0.00	0.14	0.03	100.36	
432	165U0016	2016_1	1_5_11	272	stream sediments	fayalite	olivine	0.25-0.5	0.0000	0.0000	0.0020	16.9638	26.9699	0.0000	17.1728	0.2055	0.0000	0.3759	38.6049	100.4290	36.49	0.00	0.00	0.00	0.49	34.78	28.48	0.29	0.00	0.00	0.00	0.00	0.00	0.00	100.49	
433	165U0116	2016_1	1_5																																	

500	165UV023	2016_2	2_2_4	342	Beaufort Fm	red rutile	rutile	0.25-0.5	59.5313	0.0066	0.0028	0.0027	0.2481	0.0552	0.0004	0.0040	0.0193	0.0031	40.1099	100.4670	0.00	99.30	0.04	0.08	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.40	0.00	100.43
501	165UV023	2016_2	2_2_5	343	Beaufort Fm	red rutile	rutile	0.25-0.5	59.8564	0.0000	0.0029	0.0010	0.1445	0.0535	0.0000	0.0701	0.0105	0.0038	40.2827	100.8320	0.00	99.84	0.02	0.08	0.00	0.19	0.00	0.10	0.00	0.00	0.15	0.00	0.00	0.43	0.00	100.81	
502	165UV024	2016_2	2_2_6	344	bedrock	red rutile	rutile	0.25-0.5	58.2005	0.0015	0.0059	0.0000	0.1127	0.0629	0.0000	0.0066	0.0005	0.0000	39.9536	100.2160	0.00	98.28	0.00	1.26	0.00	0.16	0.00	0.00	0.00	0.01	0.30	0.00	0.00	0.20	0.00	100.20	
503	165UV024	2016_2	2_2_7	345	bedrock	red rutile	rutile	0.25-0.5	58.4977	0.0000	0.0022	0.0000	0.1292	0.0707	0.0000	0.0062	0.0011	0.0022	40.0193	100.3760	0.00	98.25	0.00	0.02	0.00	0.17	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.11	0.00	100.00	
504	165UV024	2016_2	2_2_8	346	bedrock	red rutile	rutile	0.25-0.5	59.9246	0.0111	0.0050	0.0046	0.2038	0.3147	0.0000	0.0008	0.0000	0.0000	40.3176	100.8690	0.00	99.96	0.00	0.46	0.00	0.03	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.26	0.00	100.84	
505	165UV024	2016_2	2_2_9	347	bedrock	red rutile	rutile	0.25-0.5	59.4186	0.0094	0.0000	0.0034	0.1003	0.1849	0.0067	0.0031	0.0152	0.0001	39.9635	99.9836	0.00	99.11	0.03	0.27	0.00	0.13	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.30	0.00	99.95	
506	165UV024	2016_2	2_2_10	348	bedrock	red rutile	rutile	0.25-0.5	59.6001	0.0064	0.0031	0.0000	0.2540	0.0000	0.0005	0.0040	0.0067	0.0000	39.9748	100.0000	0.00	99.42	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.11	0.00	99.94	
507	165UV013	2016_2	2_3_1	127	glaciofluvial	chromite	chromite	0.25-0.5	0.0531	0.0000	0.0023	0.0000	0.5729	34.7047	0.0000	0.1179	0.0036	9.7128	0.1587	33.8619	100.0740	0.00	0.09	18.35	50.72	0.20	20.03	10.23	0.00	0.00	0.00	0.02	0.32	0.07	0.00	100.05	
508	165UV013	2016_2	2_3_2	128	glaciofluvial	chromite	chromite	0.25-0.5	0.0332	0.0000	0.0022	0.0000	0.1460	26.2809	0.0000	0.9612	0.0031	12.6131	0.1193	34.6026	99.9480	0.00	1.54	21.83	38.41	0.15	18.61	16.04	0.00	0.00	0.00	0.00	0.19	0.00	99.04		
509	165UV014	2016_2	2_3_3	129	stream sediments	chromite	chromite	0.25-0.5	0.9819	0.0000	0.0000	0.0000	13.8766	35.3843	8.7407	0.0000	6.8459	0.1487	32.9446	99.2069	0.00	1.64	12.94	51.72	0.19	17.85	14.49	0.00	0.00	0.00	0.16	0.08	0.14	0.00	99.21		
510	165UV014	2016_2	2_3_4	130	stream sediments	chromite	chromite	0.25-0.5	2.0329	0.0123	0.0010	0.0000	20.0272	32.0508	0.8052	0.0032	3.5871	0.1630	31.0852	98.1564	0.00	3.39	6.78	46.84	0.21	25.76	14.76	0.00	0.00	0.00	0.25	0.04	0.09	0.00	98.13		
511	165UV018	2016_2	2_3_6	131	glaciofluvial	chromite	chromite	0.25-0.5	0.1168	0.0000	0.0053	0.0000	11.4149	31.7378	9.4749	0.0060	11.7176	0.1356	34.7613	99.6017	0.00	0.19	22.14	46.39	0.18	14.69	15.60	0.01	0.00	0.00	0.22	0.04	0.10	0.00	99.55		
512	165UV018	2016_2	2_3_8	132	glaciofluvial	chromite	chromite	0.25-0.5	0.3180	0.0076	0.0000	0.0000	14.0824	25.3860	8.7754	0.0009	14.8891	0.1447	35.1428	99.0841	0.00	0.53	28.13	37.10	0.19	18.12	14.55	0.00	0.00	0.00	0.00	0.18	0.10	0.16	0.00	99.06	
513	165UV018	2016_2	2_3_9	133	glaciofluvial	chromite	chromite	0.25-0.5	0.0030	0.0000	0.0000	0.0000	12.4678	25.8439	9.1054	0.0028	10.5326	0.1486	35.7591	99.1487	0.00	0.09	29.54	37.77	0.12	16.04	15.10	0.00	0.00	0.00	0.15	0.15	0.11	0.00	99.14		
514	165UV023	2016_2	2_3_10	134	Beaufort Fm	chromite	chromite	0.25-0.5	1.4233	0.0193	0.0022	0.0000	20.8008	29.3618	7.7308	0.0074	7.2045	0.1622	31.9673	98.4309	0.00	2.37	13.61	42.91	0.21	26.09	12.82	0.01	0.03	0.00	0.14	0.06	0.16	0.00	98.42		
515	165UV023	2016_2	2_3_11	135	Beaufort Fm	chromite	chromite	0.25-0.5	1.9511	0.0080	0.0055	0.0000	24.7480	22.7234	7.2209	0.0021	8.1873	0.3121	31.3586	97.3431	0.00	3.25	15.47	33.94	0.20	31.84	11.99	0.00	0.00	0.00	0.16	0.10	0.15	0.00	97.31		
516	165UV023	2016_2	2_3_12	136	Beaufort Fm	chromite	chromite	0.25-0.5	1.0022	0.0064	0.0111	0.0000	17.9882	21.2449	8.8230	0.0015	14.5675	0.1417	34.5504	98.6703	0.00	1.67	27.53	31.05	0.18	23.14	14.63	0.00	0.00	0.01	0.00	0.21	0.08	0.15	0.00	98.66	
517	165UV023	2016_2	2_4_1	137	Beaufort Fm	chromite	chromite	0.25-0.5	0.0296	0.0011	0.0036	0.0000	18.0557	25.7168	7.4086	0.0080	13.5519	0.1940	33.9995	99.2315	0.00	0.05	25.23	37.59	0.25	23.23	12.29	0.01	0.00	0.00	0.13	0.41	0.04	0.00	99.23		
518	165UV023	2016_2	2_4_2	138	Beaufort Fm	chromite	chromite	0.25-0.5	0.5888	0.0009	0.0000	0.0000	13.6477	24.7749	8.4400	0.0022	14.6564	0.1090	35.3866	99.3191	0.00	0.98	27.69	36.21	0.14	17.56	16.32	0.00	0.00	0.00	0.24	0.06	0.12	0.00	99.31		
519	165UV023	2016_2	2_4_3	139	Beaufort Fm	chromite	chromite	0.25-0.5	0.7027	0.0105	0.0034	0.0000	20.1147	29.8084	6.2140	0.0065	9.0064	0.1945	32.2948	98.7380	0.00	1.17	17.02	43.57	0.25	25.88	10.30	0.01	0.00	0.00	0.16	0.09	0.26	0.00	98.71		
520	165UV023	2016_2	2_4_4	140	Beaufort Fm	chromite	chromite	0.25-0.5	0.4615	0.0008	0.0025	0.0000	12.6743	25.8910	8.8480	0.0000	14.5947	0.1180	35.5103	99.4400	0.00	0.77	27.58	37.84	0.15	16.31	16.33	0.00	0.00	0.00	0.21	0.06	0.17	0.00	99.42		
521	165UV023	2016_2	2_4_5	141	Beaufort Fm	chromite	chlorite?	0.25-0.5	0.6772	0.8643	0.0324	15.8235	34.3021	0.0000	2.1775	2.1155	13.3918	0.1200	37.1274	98.6893	33.85	1.13	25.30	0.00	0.15	18.40	3.60	2.96	1.17	0.04	0.00	0.00	0.05	0.00	98.65		
522	165UV023	2016_2	2_4_6	142	Beaufort Fm	chromite	chromite	0.25-0.5	0.0631	0.0000	0.0045	0.0000	15.2507	28.6546	8.7122	0.0000	13.7595	0.1606	34.8694	99.3442	0.00	0.11	26.00	41.88	0.21	17.05	13.55	0.00	0.00	0.00	0.09	0.22	0.23	0.00	99.34		
523	165UV023	2016_2	2_4_7	143	Beaufort Fm	chromite	chromite	0.25-0.5	0.4389	0.0000	0.0068	0.0000	10.3052	26.3499	8.8400	0.0041	19.1444	0.0912	36.9644	98.5525	0.00	0.73	36.17	29.74	0.12	13.26	18.00	0.00	0.00	0.01	0.00	0.28	0.09	0.11	0.00	98.52	
524	165UV024	2016_2	2_4_8	144	bedrock	chromite	chromite	0.25-0.5	2.2310	0.0016	0.0025	0.0000	26.7375	26.6321	4.7067	0.0000	6.7551	0.2433	30.6947	98.0827	0.00	3.72	12.76	38.92	0.31	33.80	7.81	0.00	0.00	0.00	0.13	0.16	0.45	0.00	98.07		
525	165UV024	2016_2	2_4_9	145	bedrock	chromite	chromite	0.25-0.5	0.2972	0.0000	0.0021	0.0000	14.2181	33.7547	8.3669	0.0024	8.4048	0.1196	32.9694	98.2518	0.00	0.50	15.88	49.34	0.15	18.29	13.87	0.00	0.00	0.00	0.19	0.05	0.15	0.00	98.41		
526	165UV024	2016_2	2_4_10	146	bedrock	chromite	chromite	0.25-0.5	0.0514	0.0000	0.0019	0.0000	28.5184	36.2931	2.2659	0.0079	1.0430	0.2723	27.5880	96.4668	0.00	0.19	31.57	53.05	0.35	36.69	3.76	0.01	0.00	0.00	0.00	0.09	0.33	0.13	0.00	98.46	
527	165UV027	2016_2	2_5_1	147	stream sediments	chromite	chromite	0.5-1.0	0.7161	0.0000	0.0000	0.0000	11.2115	23.0680	10.1069	0.0017	16.6096	0.1109	36.1037	98.6983	0.00	1.19	19.50	33.72	0.13	14.42	17.26	0.00	0.00	0.00	0.26	0.06	0.15	0.00	98.70		
528	165UV027	2016_2	2_5_2	148	stream sediments	chromite	chromite	0.5-1.0	0.0025	0.0000	0.0000	0.0000	10.0025	20.6900	8.9146	0.0000	10.6900	0.1127	43.4101	98.4026	0.00	0.14	20.92	31.38	0.16	12.79	14.72	0.00	0.00	0.00	0.14	0.05	0.13	0.00	98.45		
529	165UV027	2016_2	2_5_3	149	stream sediments	chromite	chromite	0.5-1.0	0.2065	0.0011	0.0119	0.0000	15.5537	24.9538	7.9498	0.0008	14.9811	0.2039	34.8446	99.0475	0.00	0.34	28.31	36.47	0.26	20.01	13.18	0.00	0.00	0.01	0.20	0.09	0.15	0.00	99.04		
530	165UV027	2016_2	2_5_4	150	stream sediments	chromite	chromite	0.25-0.5	1.3449	0.0000	0.0014	0.0000	18.6124	28.8660	8.2562	0.0030	8.3710	0.1514	32.5778	98.4623	0.00	2.24	15.82	42.19	0.20	23.94	13.69	0.00	0.00	0.00	0.16	0.06	0.16	0.00	98.46		
531	165UV027	2016_2	2_5_6	151	stream sediments	chromite	chromite	0.25-0.5	0.3781	0.0012	0.0022	0.0000	11.4752	18.9714	11.0176	0.0018	19.7253	0.1020	37.2387	98.2445	0.00	0.63	16.27	27.73	0.13	14.76	18.27	0.00	0.00	0.00	0.04	0.24	0.05	0.09	99.20		
532	165UV027	2016_2	2_5_7	152	stream sediments	chromite	chromite	0.25-0.5	1.0734	0.0022	0.0000	0.0000	16.9955	29.7466	6.8853	0.0073	8.7027	0.1376	32.8156	98.3118	0.00	1.79	35.25	43.47	0.18	24.79	14.40	0.01	0.00	0.00	0.22	0.04	0.15	0.00	98.32		
533	165UV027	2016_2	2_5_8	153	stream sediments	chromite	chromite	0.25-0.5	1.5829	0.0000	0.0000	0.0000	12.0000	26.0000	8.9146	0.0000	10.6900	0.11																			

600	155U0024_rpt	2016_2_2_10_6_r	Z20	fluvial	vesuvianite	vesuvianite	0.25-0.5	0.0478	0.0156	0.0077	17.2611	1.8788	0.0015	2.4148	25.9404	8.8655	0.0132	40.0916	96.5609	36.93	0.08	16.75	0.00	0.02	2.42	4.00	36.30	0.02	0.01	0.00	0.00	0.00	0.00	0.00	96.52	
601	155U0026	2016_2_2_10_7	Z21	stream sediments	vesuvianite	garnet	0.5-1.0	0.1295	0.0000	0.0026	18.3463	4.8205	0.0075	0.6309	25.6808	9.1275	0.0176	41.2528	100.2520	39.25	0.22	17.25	0.00	0.26	6.20	1.05	35.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.23	
602	155U0027	2016_2_2_10_8	Z22	stream sediments	vesuvianite	garnet	0.5-1.0	0.0528	0.0000	0.0045	17.6550	8.7958	0.0000	0.3875	25.7221	6.6542	0.0970	39.5885	99.5642	37.77	1.09	12.57	0.00	0.10	11.32	4.00	35.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.55	
603	155U0050	2016_2_2_10_9	Z23	stream sediments	vesuvianite	garnet	0.25-0.5	0.0083	0.0004	0.0011	18.5626	3.1900	0.0034	0.1534	26.0708	10.4100	0.0386	40.1000	100.0000	38.16	0.10	19.78	0.00	0.00	4.10	0.00	36.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.50	
604	155U0050	2016_2_2_10_10	Z24	stream sediments	vesuvianite	vesuvianite	0.25-0.5	0.0639	0.0038	0.0000	15.1339	1.7337	0.0052	0.2169	27.5923	11.1733	0.0925	38.9247	94.9633	32.38	0.11	21.11	0.00	0.12	2.23	0.36	38.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.91	
605	155U0050_rpt	2016_2_2_10_10_r	Z25	stream sediments	vesuvianite	vesuvianite	0.25-0.5	0.0103	0.0066	0.0006	16.609	14.8800	1.2611	0.0069	0.3832	27.2224	11.3260	0.1429	38.6074	94.0247	31.83	0.00	21.40	0.00	0.18	1.62	0.64	38.09	0.00	0.19	0.00	0.00	0.00	0.00	0.00	93.96
606	155U0050	2016_2_2_10_11	Z26	stream sediments	vesuvianite	garnet	0.25-0.5	0.2374	0.0071	0.0124	17.9757	1.8362	0.0000	0.0620	26.8039	11.0243	0.2174	41.7989	99.9972	38.46	0.40	20.83	0.00	0.28	2.35	0.10	37.50	0.00	0.01	0.00	0.00	0.00	0.00	0.00	99.96	
607	155U0050_rpt	2016_2_2_10_11_r	Z27	stream sediments	vesuvianite	garnet	0.25-0.5	0.4909	0.0070	0.0105	18.0207	4.4323	0.0000	0.1022	26.2202	9.7427	0.0518	40.8735	99.4377	38.55	0.82	17.34	0.00	0.07	5.70	0.17	36.59	0.02	0.01	0.00	0.00	0.00	0.00	0.00	99.93	
608	155U0050_rpt	2016_2_2_10_11_r	Z28	stream sediments	vesuvianite	K-feldspar	0.25-0.5	0.0000	0.0008	0.0017	29.4699	0.0082	0.0000	0.1249	14.4760	29.4699	0.0000	45.4864	99.6964	63.04	0.00	18.48	0.00	0.00	0.04	0.00	0.69	0.17	17.44	0.00	0.00	0.00	0.00	0.00	99.85	
609	155U0050	2016_2_2_10_12	Z29	stream sediments	vesuvianite	garnet	0.25-0.5	0.2222	0.0000	0.0005	18.2646	5.3219	0.0039	0.400	26.0034	8.8302	0.0407	40.8579	99.8079	39.07	0.37	16.31	0.00	0.05	6.85	0.66	36.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.78	
610	155U0013	2016_2_2_10_13	Z30	glaciofluvial	vesuvianite	garnet	0.25-0.5	0.2024	0.0156	0.0077	18.4324	3.2904	0.0000	0.3790	26.0798	9.9537	0.1333	41.6842	100.2520	39.43	0.34	18.81	0.00	0.17	4.23	0.63	36.49	0.02	0.01	0.00	0.00	0.00	0.00	0.00	100.23	
611	165U0013_rpt	2016_2_2_10_13_r	Z31	glaciofluvial	vesuvianite	clinopyroxene	0.25-0.5	0.1268	0.1653	0.0118	24.8239	2.9877	0.0000	9.4690	18.2725	0.5534	0.0524	43.3923	99.9420	53.11	0.21	10.5	0.00	0.07	3.84	15.70	25.57	0.22	0.01	0.00	0.00	0.00	0.00	0.00	0.12	99.90
612	165U0013	2016_2_2_10_14	Z32	glaciofluvial	vesuvianite	vesuvianite	0.25-0.5	0.3385	0.0139	0.0099	17.0104	0.1519	0.0000	2.1455	26.5109	9.3567	0.0000	40.1475	95.9426	36.39	0.60	17.68	0.00	0.00	0.20	1.89	37.09	0.02	0.01	0.00	0.00	0.00	0.00	0.00	95.94	
613	155U0019	2016_3_3_1_1	127	Beaufort Fm	GP	garnet	0.18-0.25	0.0212	0.0413	0.0000	19.6634	5.2453	1.4525	12.8714	2.9067	11.4936	0.2278	44.0654	98.8311	42.07	0.36	21.72	0.12	0.29	6.75	21.34	4.07	0.06	0.00	0.00	0.00	0.00	0.00	0.00	98.82	
614	155U0019	2016_3_3_1_2	128	Beaufort Fm	GP	garnet	0.18-0.25	0.2066	0.0254	0.0017	19.4204	5.1623	2.1598	12.7537	3.7197	11.1529	0.2371	44.6462	99.5254	41.55	0.34	21.07	0.31	0.31	6.64	21.15	5.20	0.03	0.00	0.00	0.00	0.00	0.00	0.00	99.48	
615	155U0028	2016_3_3_1_3	129	Beaufort Fm	GP	garnet	0.18-0.25	0.1643	0.0291	0.0018	18.6425	5.5814	2.2081	12.7121	3.4981	10.9934	0.2526	44.7480	98.8554	42.02	0.27	20.77	0.23	0.33	7.18	21.08	4.89	0.04	0.00	0.00	0.00	0.00	0.00	0.00	99.84	
616	155U0028	2016_3_3_1_4	130	Beaufort Fm	GP	garnet	0.18-0.25	0.5662	0.0346	0.0000	19.2983	5.6856	3.4554	12.3393	4.1102	9.6390	0.2474	44.0437	99.4118	41.29	0.94	18.21	0.05	0.32	7.31	20.47	5.75	0.05	0.00	0.00	0.00	0.00	0.00	0.00	99.46	
617	155U0028	2016_3_3_1_5	131	Beaufort Fm	GP	garnet	0.18-0.25	0.2675	0.0300	0.0000	19.3019	5.0585	4.7732	12.1371	4.1381	9.4117	0.2815	44.0106	99.5552	41.29	0.45	17.78	0.98	0.36	6.56	20.23	5.79	0.04	0.00	0.00	0.00	0.00	0.00	0.00	99.55	
618	165U0023	2016_3_3_1_6	132	Beaufort Fm	GP	garnet	0.18-0.25	0.0375	0.0020	0.0053	19.0386	6.0431	5.6792	10.7006	5.1545	9.0293	0.0224	43.3598	99.5222	40.73	0.06	17.06	8.30	0.55	7.77	17.74	7.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.48	
619	165U0023	2016_3_3_1_7	133	Beaufort Fm	GP	garnet	0.18-0.25	0.2814	0.0378	0.0021	19.3095	6.2211	2.5884	12.3908	3.4082	10.7295	0.2778	43.3568	99.6658	41.31	0.47	20.27	3.78	0.36	8.00	20.55	4.77	0.05	0.00	0.00	0.00	0.00	0.00	0.00	99.64	
620	165U0023	2016_3_3_1_8	134	Beaufort Fm	GP	garnet	0.18-0.25	0.1083	0.0296	0.0013	19.3218	5.3184	4.9201	12.1040	4.0384	9.5205	0.2767	40.0650	99.7601	41.34	0.18	17.99	7.19	0.36	6.84	20.07	5.65	0.04	0.00	0.00	0.00	0.00	0.00	0.00	99.75	
621	165U0023	2016_3_3_1_9	135	Beaufort Fm	GP	garnet	0.18-0.25	0.1529	0.0126	0.0037	19.3050	5.0912	6.4062	11.7010	4.8566	8.5323	0.2636	43.6327	99.8187	40.87	0.25	16.12	9.36	0.34	6.55	19.40	6.80	0.02	0.00	0.00	0.00	0.00	0.00	0.00	99.81	
622	165U0023	2016_3_3_1_10	136	Beaufort Fm	GP	garnet	0.18-0.25	0.0534	0.0119	0.0000	19.5043	6.1474	3.4330	12.1319	3.8333	10.1451	0.2691	42.2513	99.8380	41.73	0.09	19.17	0.50	0.35	7.91	20.12	5.86	0.02	0.00	0.00	0.00	0.00	0.00	0.00	99.82	
623	165U0023	2016_3_3_1_11	137	Beaufort Fm	GP	garnet	0.18-0.25	0.1199	0.0203	0.0000	19.5053	5.2766	4.0853	12.3514	3.7790	10.0151	0.2810	43.3679	99.8146	41.73	0.23	18.93	5.97	0.36	6.72	20.48	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.79	
624	165U0023	2016_3_3_1_12	138	Beaufort Fm	GP	garnet	0.18-0.25	0.0000	0.0159	0.0059	19.3234	6.1036	3.9550	12.2523	3.0667	10.3695	0.3928	42.3499	99.7402	41.34	0.00	19.59	5.78	0.51	7.85	20.32	4.29	0.02	0.01	0.00	0.00	0.00	0.00	0.00	99.71	
625	165U0023	2016_3_3_1_13	139	Beaufort Fm	GP	garnet	0.18-0.25	0.3592	0.0365	0.0062	19.3475	6.6283	2.3610	11.9126	3.8121	10.5592	0.2751	41.1610	99.5287	41.39	0.60	19.95	3.45	0.36	8.53	19.75	5.23	0.05	0.01	0.00	0.00	0.00	0.00	0.00	99.51	
626	165U0023	2016_3_3_1_14	140	Beaufort Fm	GP	garnet	0.18-0.25	0.0000	0.0000	0.0041	19.3310	4.9993	4.0703	11.7103	1.8939	10.3875	0.2731	44.6657	99.5101	41.78	0.00	19.63	5.95	0.35	6.35	22.74	2.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.49	
627	165U0023	2016_3_3_2_1	141	Beaufort Fm	GP	garnet	0.18-0.25	0.0088	0.0111	0.0000	19.5190	5.9981	2.2452	12.1713	3.4122	11.1773	0.3000	44.5867	99.7401	41.75	0.06	21.12	3.28	0.39	7.72	20.59	4.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.71	
628	165U0023	2016_3_3_2_2	142	Beaufort Fm	GP	garnet	0.18-0.25	0.2090	0.0208	0.0017	19.4736	5.9817	2.9438	12.0007	3.1915	10.7244	0.3017	43.7436	99.7561	41.35	0.08	19.34	0.92	0.33	7.48	20.12	4.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.68	
629	165U0023	2016_3_3_2_3	143	Beaufort Fm	GP	garnet	0.18-0.25	0.0361	0.0252	0.0014	19.3417	5.7411	3.5447	12.5823	3.4191	10.4477	0.3185	44.2462	99.9373	41.38	0.06	19.74	5.18	0.41	7.39	20.87	4.78	0.03	0.00	0.00	0.00	0.00	0.00	0.00	99.92	
630	165U0023	2016_3_3_2_4	144	Beaufort Fm	GP	garnet	0.18-0.25	0.0002	0.0239	0.0017	19.6335	5.2933	3.6742	12.2617	2.4149	10.5747	0.2984	44.8498	100.1080	42.00	0.00	19.98	5.37	0.39	6.81	21.99	3.38	0.03	0.00	0.00	0.00	0.00	0.00	0.00	100.05	
631	165U0023	2016_3_3_2_5	145	Beaufort Fm	GP	garnet	0.18-0.25	0.0000	0.0124	0.0064	19.3298	6.1606	6.5588	11.1424	2.3444	8.8688	0.3326	41.1218	99.9070	41.35	0.00	16.76	9.59	0.43	6.64	21.79	3.28	0.02	0.01	0.00	0.00	0.00	0.00	0.00	99.91	
632	165U0023	2016_3_3_2_6	146	Beaufort Fm	GP	garnet	0.18-0.25	0.0000	0.0120	0.0077	19.0769	6.0470	5.0194	10.8191	5.1912	9.4669	0.4111	43.5813	99.7527	40.81	0.00	17.89	7.41	0.53	7.78	17.84	7.26	0.02	0.01	0.00	0.00	0.00	0.00	0.00	99.91	
633	165																																			

APPENDIX 6B

GEOLOGICAL SURVEY OF CANADA
Banks Island samples - EPMA chemistry: GARNET

GSC Sample #								Grütter et al. (2004) garnet classification Calculations																Hardman et al. (2018) eclogitic garnet classification calculations												
								WT %																Factor						Factor						
EPMA #								SiO2	TiO2	Al2O3	Cr2O3	MnO	FeO	MgO	CaO	Na2O	K2O	Nb2O5	NiO	ZnO	V2O3	P2O5	Total	If CaO (WT %) is < 3.375+0.25*Cr2O3	Then CA_INT ²	Else CA_INT ³	MGNUM ⁴	5.0+0.94*CaO	2.13-2.1*MGNUM	MgO/FeO	1.782	ln Mg/Fe	TiO2/SiO2	0.752	ln Ti/Si	
15SUV001	2015_1	3_1	1-3_001	andradite	garnet	G0	0.25-0.5	34.49	3.28	1.50	0.00	0.21	23.26	0.44	32.60	0.00	0.00					95.78	3.375		32.600	0.033										
15SUV001	2015_1	3_2	1-3_002	andradite	garnet	G0	0.25-0.5	30.69	9.12	3.45	0.05	0.06	19.28	0.80	32.70	0.00	0.00					96.15	3.388		32.688	0.069										
15SUV001	2015_1	4_1	1-4_001	almandine	garnet	G0	0.5-1.0	36.26	0.10	19.90	0.00	20.99	18.91	0.90	1.61	0.00	0.00					98.67	3.375	1.610		0.078										
15SUV001	2015_1	6_1	1-6_001	spessartine	garnet	G0	0.25-0.5	36.01	0.14	19.72	0.00	26.20	14.50	1.15	0.51	0.04	0.00					98.27	3.375	0.510		0.124										
15SUV001	2015_1	6_2	1-6_002	spessartine	garnet	G0	0.25-0.5	35.53	0.15	20.06	0.00	21.62	17.70	1.39	0.57	0.06	0.00					97.08	3.375	0.570		0.123										
15SUV002	2015_5	2_6	5-2_006	chromite, euhedral	garnet	G0	0.25-0.5	34.28	7.02	8.89	0.00	0.09	11.85	1.13	33.99	0.00	0.00					97.25	3.375		33.990	0.145										
15SUV003	2015_1	4_2	1-4_002	almandine	garnet	G3	0.25-0.5	39.11	0.13	21.88	0.00	0.49	20.18	8.75	8.36	0.03	0.00					98.93	3.375		8.360	0.436										
15SUV003	2015_1	4_3	1-4_003	almandine	garnet	G0	0.25-0.5	36.72	0.07	20.31	0.00	2.26	30.35	1.06	7.07	0.00	0.00					97.84	3.375		7.070	0.059										
15SUV005	2015_1	4_4	1-4_004	almandine	garnet	G0	0.5-1.0	36.70	0.00	20.85	0.00	2.62	34.22	2.98	0.65	0.00	0.00					98.02	3.375	0.650		0.134										
15SUV005	2015_1	4_5	1-4_005	almandine	garnet	G3	0.25-0.5	38.83	0.10	21.76	0.04	0.61	22.14	8.72	6.34	0.00	0.00					98.54	3.385		6.330	0.413										
15SUV006	2015_1	4_6	1-4_006	almandine	garnet	G0	0.25-0.5	36.90	0.00	20.45	0.03	2.28	31.65	3.49	3.16	0.00	0.00					97.96	3.383	3.153		0.164										
15SUV006	2015_1	4_7	1-4_007	almandine	garnet	G0	0.25-0.5	37.41	0.03	20.64	0.04	5.60	28.03	4.07	2.92	0.03	0.00					98.77	3.385	2.911		0.206										
15SUV008	2015_2	1_8	2-1_008	forsterite	garnet	G0	0.25-0.5	39.29	0.18	17.17	0.00	0.16	6.10	0.91	35.56	0.00	0.00					99.37	3.375		35.560	0.210										
15SUV009	2015_1	2_2	1-2-2	GP ⁵	garnet	G9	0.25-0.5	41.98	0.10	21.18	3.18	0.44	7.65	19.60	5.41	0.00	0.00					99.54	4.170		4.615	0.820										
15SUV009	2015_1	4_8	1-4_008	almandine	garnet	G4	0.25-0.5	38.14	0.09	21.31	0.03	0.92	28.34	7.46	2.09	0.00	0.00					98.38	3.383	2.085		0.319										
15SUV014	2015_1	2_3	1-2-3	GP	garnet	G10	0.25-0.5	41.96	0.02	19.60	5.42	0.35	6.54	21.67	3.64	0.03	0.00					99.23	4.730	2.597		0.855										
15SUV014	2015_1	2_4	1-2-4	GP	garnet	G10D	0.25-0.5	41.13	0.00	16.88	9.09	0.43	6.30	22.05	3.03	0.00	0.00					98.91	5.648	1.811		0.862										
15SUV019	2015_1	2_5	1-2_005	GP	garnet	G9	0.25-0.5	41.34	0.58	18.63	5.05	0.33	7.31	20.43	5.31	0.05	0.01					99.04	4.638		4.048	0.833										
15SUV019	2015_1	2_6	1-2_006	GP	garnet	G9	0.25-0.5	41.89	0.00	20.48	4.72	0.45	7.62	19.96	4.89	0.00	0.00					100.01	4.555		3.710	0.824										
15SUV019	Mount3_001	3_1_1	127	GP	garnet	G11	0.18-0.25	42.07	0.36	21.72	2.12	0.29	6.75	21.34	4.07	0.06	0.00	0.00	0.00	0.00	0.04	98.82	3.906		3.536	0.849										
15SUV019	Mount3_002	3_1_2	128	GP	garnet	G11	0.18-0.25	41.55	0.34	21.07	3.16	0.31	6.64	21.15	5.20	0.03	0.00	0.00	0.00	0.00	0.03	99.48	4.164		4.415	0.850										
15SUV019	Mount3_030	3_3_1	156	almandine	garnet	G0	0.18-0.25	38.83	0.04	21.85	0.07	0.45	27.35	9.59	1.22	0.00	0.00	0.00	0.00	0.00	0.03	99.44	3.393	1.216		0.385										
15SUV019	Mount3_035	3_3_6	161	diopside	garnet	G0	0.18-0.25	38.55	0.45	13.86	0.00	0.05	10.15	0.57	36.12	0.00	0.00	0.00	0.00	0.00	0.03	99.78	3.375		36.122	0.091										
15SUV020	2015_1	2_7	1-2_007	GP	garnet	G9	0.25-0.5	41.91	0.33	20.10	3.99	0.34	6.96	20.80	4.85	0.03	0.01					99.32	4.373		3.853	0.842										
15SUV020	2015_1	6_3	1-6_003	spessartine	garnet	G0	0.25-0.5	36.00	0.15	19.56	0.00	21.28	19.02	1.06	1.11	0.00	0.00					98.18	3.375	1.110		0.090										
15SUV021	2015_3	3_8	3-3_008	hedenbergite	garnet	G0	0.5-1.0	35.68	0.00	0.00	0.00	0.00	26.72	0.00	32.97	0.00	0.00					95.37	3.375		32.970	0.000										
15SUV024	2015_1	1_1	1-1-1	GO ⁶	garnet	G9	0.25-0.5	41.51	0.60	19.78	3.42	0.38	8.59	19.19	5.62	0.05	0.00					99.14	4.230		4.765	0.799										
15SUV024	2015_1	1_2	1-1-2	GO	garnet	G0	0.25-0.5	38.85	0.04	21.92	0.00	0.51	25.93	10.07	1.14	0.00	0.00					98.46	3.375	1.140		0.409										
15SUV024	2015_1	2_8	1-2_008	GP	garnet	G9	0.25-0.5	41.44	0.33	18.71	6.03	0.37	6.73	20.62	5.06	0.06	0.00					99.35	4.883		3.553	0.845										
15SUV024	2015_1	5_1 ⁷	1-5_001	almandine	garnet	G0	0.25-0.5	37.04	0.00	20.30	0.00	2.37	30.09	1.25	7.57	0.00	0.00					98.62	3.375		7.570	0.069										
15SUV024	2015_1	5_2	1-5_002	almandine	garnet	G3	0.25-0.5	37.84	0.14	20.43	0.00	1.49	26.25	3.64	8.87	0.00	0.00					98.66	3.375		8.870	0.198										
15SUV024	2015_1	5_3	1-5_003	almandine	garnet	G0	0.25-0.5	38.16	0.00	21.49	0.12	0.66	29.07	7.75	1.15	0.00	0.00					98.40	3.405	1.140		0.322										
15SUV024	2015_1	5_4	1-5_004	almandine	garnet	G3	0.25-0.5	38.03	0.11	21.13	0.00	0.57	24.03	6.88	7.41	0.00	0.00					98.16	3.375		7.410	0.338										
15SUV024	2015_1	5_5	1-5_005	almandine	garnet	G3	0.25-0.5	38.72	0.23	21.53	0.00	0.34	20.97	7.58	9.31	0.03	0.00					98.71	3.375		9.310	0.392										
15SUV024	2015_1	5_6	1-5_006	almandine	garnet	G0	0.25-0.5	37.57	0.03	21.41	0.00	0.78	30.40	6.65	1.25	0.00	0.00					98.09	3.375	1.250		0.281										
15SUV025	2015_1	3_3	1-3_003	andradite	garnet	G0	0.25-0.5	27.53	11.91	3.77	0.00	0.08	19.79	0.42	32.26	0.00	0.00					95.76	3.375		32.260	0.036										
15SUV025	2015_1	3_4	1-3_004	andradite	garnet	G0	0.25-0.5	34.76	3.14	1.42	0.00	0.75	24.30	0.04	31.48	0.09	0.00					95.98	3.375		31.480	0.003										
15SUV026	2015_1	2_9	1-2_009	GP	garnet	G10	0.25-0.5	40.90	0.04	16.91	9.08	0.49																								

APPENDIX 6C

GEOLOGICAL SURVEY OF CANADA
Banks Island samples - EPMA chemistry: SPINEL - CHROMITE-SERIES

							WT %																		
GSC Sample #	Mount	Grain #	EPMA #	ODM Min ID	EPMA Min ID	Grain Size	SiO2	TiO2	Al2O3	Cr2O3	MnO	FeO	MgO	CaO	Na2O	K2O	Nb2O5	NiO	ZnO	V2O3	P2O5	Total	Mg #	CR #	
15SUV001	2015_5	1_1	5-1_001	chromite, euhedral	chromite	0.25-0.5	0.00	0.45	16.93	48.32	0.19	17.09	15.38	0.00	0.00	0.00						98.36	0.62	0.64	
15SUV001	2015_5	1_2	5-1_002	chromite, euhedral	chromite	0.25-0.5	0.00	0.45	16.23	46.42	0.29	25.72	9.48	0.00	0.00	0.00						98.59	0.40	0.64	
15SUV001	2015_5	1_3	5-1_003	chromite, euhedral	chromite	0.25-0.5	0.00	3.58	13.95	38.03	0.24	29.19	12.61	0.00	0.00	0.00						97.60	0.44	0.63	
15SUV001	2015_5	1_4	5-1_004	chromite, euhedral	chromite	0.25-0.5	0.00	2.80	13.75	42.53	0.22	25.22	13.24	0.01	0.00	0.00						97.77	0.48	0.66	
15SUV001	2015_5	1_5	5-1_005	chromite, euhedral	chromite	0.25-0.5	0.00	0.46	17.16	46.69	0.25	21.60	12.09	0.00	0.00	0.01						98.26	0.50	0.63	
15SUV001	2015_5	1_6	5-1_006	chromite, euhedral	chromite	0.25-0.5	0.00	2.80	15.58	40.75	0.24	25.29	13.19	0.00	0.00	0.00						97.85	0.48	0.62	
15SUV001	2015_5	1_7	5-1_007	chromite, euhedral	chromite	0.25-0.5	0.00	3.07	16.24	37.29	0.22	27.82	12.82	0.00	0.00	0.00						97.46	0.45	0.59	
15SUV001	2015_5	1_8	5-1_008	chromite, euhedral	chromite	0.25-0.5	0.00	0.24	23.69	38.96	0.27	26.72	8.57	0.00	0.00	0.00						98.45	0.36	0.51	
15SUV001	2015_5	1_9	5-1_009	chromite, euhedral	chromite	0.25-0.5	0.00	0.83	21.15	41.06	0.22	22.69	12.41	0.00	0.00	0.00						98.36	0.49	0.55	
15SUV001	2015_5	1_10	5-1_010	chromite, euhedral	chromite	0.25-0.5	0.00	0.66	19.69	42.64	0.24	23.17	11.69	0.00	0.00	0.00						98.09	0.47	0.58	
15SUV001	2015_5	1_11	5-1_011	chromite, euhedral	chromite	0.25-0.5	0.00	3.36	20.10	33.24	0.20	27.40	13.45	0.00	0.00	0.00						97.75	0.47	0.51	
15SUV002	2015_5	2_1	5-2_001	chromite, euhedral	chromite	0.25-0.5	0.00	0.59	18.26	45.98	0.22	19.84	13.65	0.00	0.00	0.00						98.54	0.55	0.61	
15SUV002	2015_5	2_2	5-2_002	chromite, euhedral	chromite	0.25-0.5	0.00	0.49	18.43	46.68	0.19	17.28	15.34	0.01	0.00	0.00						98.42	0.61	0.62	
15SUV002	2015_5	2_3	5-2_003	chromite, euhedral	chromite	0.25-0.5	0.00	1.75	21.10	32.06	0.25	31.61	11.11	0.00	0.00	0.00						97.88	0.39	0.49	
15SUV002	2015_5	2_4	5-2_004	chromite, euhedral	chromite	0.25-0.5	0.00	0.55	16.68	46.49	0.23	20.82	13.56	0.00	0.00	0.00						98.33	0.54	0.64	
15SUV002	2015_5	2_5	5-2_005	chromite, euhedral	chromite	0.25-0.5	0.00	0.57	16.17	44.91	0.26	26.36	9.90	0.00	0.00	0.00						98.17	0.40	0.64	
15SUV003	2015_5	2_7	5-2_007	chromite, euhedral	chromite	0.25-0.5	0.00	0.90	18.85	41.56	0.29	27.77	8.81	0.00	0.00	0.00						98.18	0.36	0.58	
15SUV003	2015_5	2_8	5-2_008	chromite, euhedral	chromite	0.25-0.5	0.00	0.31	24.95	42.32	0.16	13.43	17.35	0.00	0.00	0.00						98.52	0.70	0.52	
15SUV003	2015_5	2_10	5-2_010	chromite, euhedral	chromite	0.25-0.5	0.00	2.69	22.83	30.90	0.26	27.75	13.28	0.00	0.00	0.00						97.71	0.46	0.46	
15SUV003	2015_5	2_11	5-2_011	chromite, euhedral	chromite	0.25-0.5	0.00	0.60	18.32	43.68	0.23	22.33	13.07	0.00	0.00	0.00						98.23	0.51	0.60	
15SUV008	2015_5	3_1	5-3_001	chromite, euhedral	chromite	0.25-0.5	0.00	2.15	16.51	41.63	0.23	24.16	13.38	0.00	0.00	0.00						98.06	0.50	0.61	
15SUV020	2015_5	3_2	5-3_002	chromite, euhedral	chromite	0.25-0.5	0.00	0.89	19.41	36.94	0.26	28.62	11.74	0.00	0.00	0.00						97.86	0.42	0.55	
15SUV020	2015_5	3_3	5-3_003	chromite, euhedral	chromite	0.25-0.5	0.00	0.70	19.67	41.84	0.19	21.79	13.93	0.00	0.00	0.00						98.12	0.53	0.57	
15SUV020	2015_5	3_4	5-3_004	chromite, euhedral	chromite	0.25-0.5	0.00	1.37	24.85	39.09	0.19	16.74	16.13	0.00	0.00	0.00						98.37	0.63	0.50	
15SUV020	2015_5	3_5	5-3_005	chromite, euhedral	chromite	0.25-0.5	0.00	0.54	18.64	46.52	0.19	17.43	15.23	0.00	0.00	0.00						98.55	0.61	0.61	
15SUV020	2015_5	3_6	5-3_006	chromite, euhedral	chromite	0.25-0.5	0.00	4.21	16.33	33.42	0.24	30.19	13.02	0.01	0.00	0.00						97.42	0.43	0.56	
15SUV020	2015_5	3_7	5-3_007	chromite, euhedral	chromite	0.25-0.5	0.00	1.92	15.62	43.67	0.22	22.69	13.75	0.00	0.00	0.00						97.87	0.52	0.64	
15SUV020	2015_5	3_8	5-3_008	chromite, euhedral	chromite	0.25-0.5	0.00	0.69	23.37	38.93	0.20	20.82	14.44	0.00	0.00	0.00						98.45	0.55	0.51	
15SUV020	2015_5	3_9	5-3_009	chromite, euhedral	chromite	0.25-0.5	0.00	0.96	30.51	32.08	0.18	18.88	15.65	0.00	0.00	0.00						98.26	0.60	0.40	
15SUV020	2015_5	3_10	5-3_010	chromite, euhedral	chromite	0.25-0.5	0.00	2.48	16.10	40.42	0.24	25.00	13.52	0.00	0.00	0.00						97.76	0.49	0.61	
15SUV020	2015_5	4_1	5-4_001	chromite, euhedral	chromite	0.25-0.5	0.00	1.99	15.84	44.14	0.21	22.05	14.24	0.00	0.04	0.00						98.51	0.54	0.64	
15SUV020	2015_5	4_2	5-4_002	chromite, euhedral	chromite	0.25-0.5	0.00	5.50	8.94	35.37	0.33	36.24	11.04	0.01	0.00	0.00						97.43	0.35	0.71	
15SUV020	2015_5	4_3	5-4_003	chromite, euhedral	chromite	0.25-0.5	0.00	2.36	19.13	36.22	0.24	26.53	13.13	0.00	0.00	0.00						97.61	0.47	0.54	
15SUV020	2015_5	4_4	5-4_004	chromite, euhedral	chromite	0.25-0.5	0.00	3.39	20.87	24.77	0.28	35.32	12.29	0.00	0.00	0.00						96.92	0.38	0.43	
15SUV020	2015_5	4_5	5-4_005	chromite, euhedral	chromite	0.25-0.5	0.00	2.00	15.26	44.01	0.24	23.26	13.34	0.00	0.00	0.00						98.11	0.51	0.65	
15SUV020	2015_5	4_6	5-4_006	chromite, euhedral	chromite	0.25-0.5	0.00	0.47	16.92	47.87	0.21	18.91	13.75	0.00	0.00	0.00						98.13	0.56	0.64	
15SUV020	2015_5	4_7	5-4_007	chromite, euhedral	chromite	0.25-0.5	0.00	2.40	19.91	36.73	0.23	24.90	13.98	0.00	0.00	0.00						98.15	0.50	0.54	
15SUV020	2015_5	4_8	5-4_008	chromite, euhedral	chromite	0.25-0.5	0.00	0.62	17.17	45.12	0.24	22.79	12.20	0.00	0.00	0.00						98.14	0.49	0.62	
15SUV020	2015_5	4_9	5-4_009	chromite, euhedral	chromite	0.25-0.5	0.00	0.78	19.03	43.15	0.21	22.02	13.04	0.00	0.00	0.00						98.23	0.51	0.59	
15SUV026	2015_5	5_1	5-5_001	chromite, euhedral	chromite	0.25-0.5	0.00	0.51	18.23	44.83	0.27	23.63	11.02	0.00	0.00	0.00						98.49	0.45	0.61	
15SUV026	2015_5	5_2	5-5_002	chromite, euhedral	chromite	0.25-0.5	0.00	0.68	13.04	52.93	0.38	21.45	10.16	0.00	0.00	0.00						98.64	0.46	0.72	
15SUV026	2015_5	5_3	5-5_003	chromite, euhedral	chromite	0.25-0.5	0.00	0.72	22.08	39.63	0.20	21.71	13.76	0.00	0.05	0.00						98.15	0.53	0.53	
15SUV030	2015_5	5_4	5-5_004A	chromite, euhedral	chromite	0.25-0.5	0.00	2.69	19.14	36.72	0.19	25.31	13.67	0.00	0.00	0.00						97.72	0.49	0.55	
15SUV030_rpt	2015_5	5_4_rpt	5-5_004B	chromite, euhedral	chromite	0.25-0.5	0.00	2.63	19.57	36.26	0.23	25.53	13.54	0.00	0.00	0.00						97.76	0.49	0.54	
15SUV030	2015_5	5_5	5-5_005A	chromite, euhedral	chromite	0.25-0.5	0.00	3.41	16.39	35.99	0.22	29.05	12.65	0.01	0.00	0.00						97.727			

15SUV001	2015_6	1_1	6-1_001	chromite	chromite	0.25-0.5	0.00	0.28	29.43	38.32	0.17	14.04	16.87	0.00	0.00	0.00	99.11	0.68	0.45
15SUV001	2015_6	1_2	6-1_002	chromite	chromite	0.25-0.5	0.00	3.35	16.71	35.17	0.22	29.43	12.60	0.00	0.00	0.00	97.48	0.43	0.57
15SUV001	2015_6	1_3	6-1_003	chromite	chromite	0.25-0.5	0.00	0.18	24.44	38.11	0.39	28.90	3.35	0.01	0.07	0.01	95.46	0.17	0.50
15SUV001	2015_6	1_4	6-1_004	chromite	chromite	0.25-0.5	0.00	0.11	20.10	47.71	0.19	15.57	14.93	0.00	0.00	0.00	98.61	0.63	0.60
15SUV001	2015_6	1_5	6-1_005	chromite	chromite	0.25-0.5	0.00	1.23	27.80	34.36	0.17	19.69	15.55	0.01	0.00	0.00	98.81	0.58	0.44
15SUV001	2015_6	1_8	6-1_008	chromite	chromite	0.25-0.5	0.00	0.95	34.68	30.30	0.16	15.36	17.50	0.00	0.00	0.00	98.95	0.67	0.36
15SUV001	2015_6	1_9	6-1_009	chromite	chromite	0.25-0.5	0.00	0.61	35.75	30.54	0.16	14.32	17.50	0.00	0.00	0.00	98.88	0.69	0.35
15SUV001	2015_6	1_10	6-1_010	chromite	chromite	0.25-0.5	0.00	0.28	27.06	40.18	0.19	15.24	16.08	0.00	0.00	0.00	99.03	0.65	0.48
15SUV001	2015_6	1_11	6-1_011	chromite	chromite	0.25-0.5	0.00	5.43	7.39	36.25	0.31	34.11	13.37	0.00	0.00	0.00	96.86	0.41	0.76
15SUV002	2015_6	2_1	6-2_001	chromite	chromite	0.25-0.5	0.00	1.81	16.75	43.12	0.20	21.98	14.21	0.00	0.00	0.00	98.07	0.54	0.62
15SUV002	2015_6	2_2	6-2_002	chromite	chromite	0.25-0.5	0.00	0.76	30.99	34.69	0.19	15.71	16.65	0.00	0.00	0.00	98.99	0.65	0.41
15SUV002	2015_6	2_3	6-2_003	chromite	chromite	0.25-0.5	0.00	0.50	17.88	44.69	0.28	25.22	10.06	0.00	0.00	0.00	98.63	0.42	0.61
15SUV002	2015_6	2_5	6-2_005	chromite	chromite	0.25-0.5	0.00	0.46	16.99	47.27	0.27	21.00	12.11	0.00	0.00	0.00	98.10	0.51	0.64
15SUV002	2015_6	2_6	6-2_006	chromite	chromite	0.25-0.5	0.00	0.04	6.95	62.07	0.68	20.05	6.32	0.00	0.00	0.00	96.11	0.36	0.85
15SUV002	2015_6	2_7	6-2_007	chromite	chromite	0.25-0.5	0.00	3.55	16.09	34.57	0.26	30.51	12.51	0.00	0.00	0.00	97.49	0.42	0.58
15SUV002	2015_6	2_8	6-2_008	chromite	chromite	0.25-0.5	0.00	1.53	15.14	43.41	0.36	27.82	9.77	0.00	0.00	0.00	98.03	0.39	0.64
15SUV003	2015_6	2_9	6-2_009	chromite	chromite	0.5-1.0	0.00	0.18	27.13	40.90	0.18	14.09	16.48	0.00	0.00	0.00	98.96	0.68	0.49
15SUV003	2015_6	3_1	6-3_001	chromite	chromite	0.25-0.5	0.00	0.56	26.27	39.59	0.19	16.48	15.43	0.00	0.00	0.00	98.52	0.63	0.49
15SUV003	2015_6	3_2	6-3_002	chromite	chromite	0.25-0.5	0.00	0.29	34.22	33.34	0.15	13.55	17.48	0.00	0.00	0.00	99.03	0.70	0.38
15SUV003	2015_6	3_3	6-3_003	chromite	chromite	0.25-0.5	0.00	2.28	14.71	43.38	0.22	23.88	13.68	0.00	0.00	0.00	98.15	0.51	0.65
15SUV003	2015_6	3_4	6-3_004	chromite	chromite	0.25-0.5	0.00	0.54	19.95	46.35	0.18	15.70	15.69	0.00	0.00	0.00	98.41	0.64	0.60
15SUV003	2015_6	3_5	6-3_005	chromite	chromite	0.25-0.5	0.00	1.10	31.67	31.53	0.18	17.41	16.67	0.00	0.00	0.00	98.56	0.63	0.39
15SUV003	2015_6	3_7	6-3_007	chromite	chromite	0.25-0.5	0.00	0.55	28.53	37.59	0.18	15.77	16.47	0.00	0.00	0.00	99.09	0.65	0.45
15SUV003	2015_6	3_8	6-3_008	chromite	chromite	0.25-0.5	0.00	0.44	37.03	25.99	0.23	20.11	15.05	0.00	0.00	0.00	98.85	0.57	0.31
15SUV003	2015_6	3_9	6-3_009	chromite	chromite	0.25-0.5	0.00	0.91	32.68	30.61	0.17	18.07	16.37	0.01	0.00	0.00	98.82	0.62	0.37
15SUV003	2015_6	3_10	6-3_010	chromite	chromite	0.25-0.5	0.00	0.13	41.93	25.65	0.13	12.50	18.63	0.00	0.00	0.00	98.97	0.73	0.28
15SUV003	2015_6	3_11	6-3_011	chromite	chromite	0.25-0.5	0.00	0.39	25.12	42.47	0.20	14.75	16.16	0.01	0.00	0.00	99.10	0.66	0.52
15SUV004	2015_6	4_1	6-4_001	chromite	chromite	0.25-0.5	0.00	0.29	20.72	41.04	0.31	30.34	5.96	0.00	0.00	0.00	98.66	0.26	0.56
15SUV004	2015_6	4_2	6-4_002	chromite	chromite	0.25-0.5	0.00	0.58	17.14	46.57	0.29	22.87	10.84	0.01	0.00	0.00	98.30	0.46	0.63
15SUV005	2015_6	4_4	6-4_004	chromite	chromite	0.25-0.5	0.00	0.07	24.21	34.99	0.35	32.29	6.43	0.00	0.00	0.00	98.34	0.26	0.48
15SUV006	2015_6	4_5	6-4_005	chromite	chromite	0.25-0.5	0.00	0.74	25.74	39.90	0.19	15.53	16.59	0.00	0.00	0.00	98.69	0.66	0.50
15SUV009	2015_6	4_6	6-4_006	chromite	chromite	0.5-1.0	0.00	1.16	30.97	30.76	0.18	19.98	15.52	0.00	0.00	0.00	98.57	0.58	0.39
15SUV009	2015_6	5_10	6-5_010	chromite	chromite	0.25-0.5	0.00	0.74	19.33	43.95	0.22	21.32	12.84	0.00	0.00	0.00	98.40	0.52	0.59
15SUV009	2015_6	6_3	6-6_003	chromite	chromite	0.25-0.5	0.00	0.06	7.73	60.61	0.39	22.10	7.55	0.00	0.00	0.00	98.44	0.38	0.83
15SUV009	2015_6	6_4	6-6_004	chromite	chromite	0.25-0.5	0.00	0.23	28.81	35.94	0.23	20.70	13.02	0.01	0.00	0.00	98.94	0.53	0.44
15SUV009	2015_6	6_7	6-6_007	chromite	chromite	0.25-0.5	0.00	0.38	31.06	36.51	0.17	14.05	16.94	0.00	0.00	0.00	99.11	0.68	0.43
15SUV009	2015_6	6_9	6-6_009	chromite	chromite	0.25-0.5	0.00	1.63	16.30	44.37	0.22	21.53	14.16	0.00	0.00	0.00	98.21	0.54	0.63
15SUV010	2015_7	1_1	7-1_001	chromite	chromite	0.25-0.5	0.00	0.06	36.75	31.34	0.14	12.59	18.21	0.00	0.00	0.00	99.09	0.72	0.35
15SUV010	2015_7	1_2	7-1_002	chromite	chromite	0.25-0.5	0.00	0.16	34.06	34.49	0.29	15.94	13.93	0.00	0.00	0.00	98.87	0.61	0.39
15SUV014	2015_7	1_3	7-1_003	chromite	chromite	0.25-0.5	0.00	0.88	20.44	39.55	0.27	27.48	9.71	0.00	0.00	0.00	98.33	0.39	0.55
15SUV014	2015_7	1_4	7-1_004	chromite	chromite	0.25-0.5	0.00	0.70	25.83	36.72	0.22	20.33	14.58	0.00	0.00	0.00	98.38	0.56	0.47
15SUV014	2015_7	1_5	7-1_005	chromite	chromite	0.25-0.5	0.00	0.55	24.46	42.43	0.16	15.77	13.97	0.02	0.00	0.00	97.36	0.61	0.52
15SUV014	2015_7	1_6	7-1_006	chromite	chromite	0.25-0.5	0.00	0.62	22.75	39.61	0.23	20.91	13.97	0.00	0.00	0.00	98.09	0.54	0.52
15SUV014	2015_7	1_7	7-1_007	chromite	chromite	0.25-0.5	0.00	0.54	21.02	47.08	0.22	14.65	15.39	0.00	0.00	0.00	98.90	0.65	0.59
15SUV018	2015_7	1_8_rpt	7-1_008A	chromite	chromite	0.25-0.5	0.00	1.61	18.03	43.54	0.26	22.68	12.58	0.00	0.00	0.00	98.70	0.50	0.60
15SUV018	2015_7	1_8	7-1-B_008	chromite	chromite	0.25-0.5	0.00	1.55	18.02	43.39	0.24	22.65	12.47	0.00	0.00	0.00	98.32	0.50	0.60
15SUV018	2015_7	1_9_rpt	7-1_009A	chromite	chromite	0.25-0.5	0.00	1.45	16.84	42.42	0.33	28.30	8.34	0.00	0.00	0.00	97.68	0.34	0.61
15SUV018	2015_7	1_9	7-1-B_009	chromite	chromite	0.25-0.5	0.00	1.42	17.10	42.41	0.32	27.90	8.79	0.00	0.00	0.00	97.94	0.36	0.61
15SUV018	2015_7	1_10_rpt	7-1_010A	chromite	chromite	0.25-0.5	0.00	2.62	15.17	41.29	0.22	25.08	13.39	0.00	0.00	0.00	97.77	0.49	0.63
15SUV018	2015_7	1_10	7-1-B_010	chromite	chromite	0.25-0.5	0.00	2.64	15.09	41.37	0.22	25.10	13.52	0.00	0.00	0.00	97.94	0.49	0.63
15SUV020	2015_7	1_11	7-1_011	chromite	chromite	0.5-1.0	0.00	1.09	27.58	36.49	0.18	17.08	16.39	0.00	0.00	0.00	98.81	0.63	0.46
15SUV020	2015_7	2_1	7-2_001	chromite	chromite	0.25-0.5	0.00	0.68	32.66	33.34	0.16	15.04	16.89	0.00	0.00	0.00	98.77	0.67	0.39
15SUV020	2015_7	2_2	7-2_002	chromite	chromite	0.25-0.5	0.00	0.08	26.02	42.06	0.18	14.20	16.28	0.00	0.00	0.00	98.82	0.67	0.51
15SUV020	2015_7	2_3	7-2_003	chromite	chromite	0.25-0.5	0.00	1.44	25.92	35.28	0.17	20.43	14.99	0.00	0.00	0.00	98.23	0.57	0.46
15SUV020	2015_7	2_4	7-2_004	chromite	chromite	0.25-0.5	0.00	0.17	25.31	41.73	0.20	15.96	15.46	0.00	0.00	0.00	98.83	0.63	0.51
15SUV020	2015_7	2_5	7-2_005	chromite	chromite	0.25-0.5	0.00	0.11	20.42	47.35	0.22	15.46	15.20	0.00	0.00	0.00	98.76	0.64	0.59
15SUV020	2015_7	2_7	7-2_007	chromite	chromite	0.25-0.5	0.00	0.51	30.74	35.06	0.20	15.93	16.41	0.00	0.00	0.00	98.85	0.65	0.42
15SUV020	2015_7	2_8	7-2_008	chromite	chromite	0.25-0.5	0.00	0.91	35.83	27.95	0.17	16.64	17.35	0.00	0.00	0.00	98.85	0.65	0.33
15SUV020	2015_7	2_9	7-2_009	chromite	chromite	0.25-0.5	0.00	2.85	14.22	41.42	0.24	25.20	13.68	0.00	0.00	0.00	97.61	0.49	0.65
15SUV020	2015_7	3_3	7-3_003	chromite	chromite	0.25-0.5	0.00	0.74	32.12	33.69	0.18	15.11	17.09	0.00	0.00	0.00	98.93	0.67	0.40
15SUV020	2015_7	3_4	7-3_004	chromite	chromite	0.25-0.5	0.00	1.58	15.39	45.15	0.24	21.74	13.94	0.00	0.00	0.00	98.04	0.53	0.65

15SUV020	2015_7	3_6	7-3_006	chromite	chromite	0.25-0.5	0.00	0.36	17.59	44.23	0.31	27.00	8.68	0.00	0.00	0.00	98.17	0.36	0.61
15SUV020	2015_7	3_7	7-3_007	chromite	chromite	0.25-0.5	0.00	1.08	9.54	53.83	0.29	21.29	11.95	0.01	0.00	0.00	97.99	0.50	0.78
15SUV020	2015_7	3_8	7-3_008	chromite	chromite	0.25-0.5	0.00	4.93	10.73	31.48	0.26	41.78	7.12	0.00	0.00	0.00	96.30	0.23	0.65
15SUV025	2015_7	4_2	7-4_002	chromite	chromite	0.25-0.5	0.00	3.13	17.27	36.59	0.22	26.66	13.71	0.00	0.00	0.00	97.58	0.48	0.57
15SUV026	2015_7	4_3	7-4_003	chromite	chromite	0.5-1.0	0.00	0.91	25.33	36.43	0.22	21.07	14.31	0.00	0.00	0.00	98.27	0.55	0.48
15SUV026	2015_7	4_4	7-4_004	chromite	chromite	0.5-1.0	0.00	3.51	8.23	34.45	0.27	43.12	6.25	0.00	0.00	0.00	95.83	0.21	0.73
15SUV026	2015_7	4_5	7-4_005	chromite	chromite	0.25-0.5	0.00	0.25	24.80	42.27	0.23	15.75	15.34	0.00	0.00	0.00	98.64	0.63	0.52
15SUV026	2015_7	4_6	7-4_006	chromite	chromite	0.25-0.5	0.00	0.00	24.66	45.55	0.26	14.82	13.55	0.00	0.00	0.00	98.84	0.62	0.54
15SUV026	2015_7	4_7	7-4_007	chromite	chromite	0.25-0.5	0.00	0.81	28.63	35.78	0.21	17.74	15.55	0.00	0.00	0.00	98.72	0.61	0.44
15SUV026	2015_7	4_8	7-4_008	chromite	chromite	0.25-0.5	0.00	0.23	31.32	35.61	0.37	17.21	14.37	0.00	0.00	0.00	99.11	0.60	0.42
15SUV050	2015_7	5_1	7-5_001	chromite	chromite	0.25-0.5	0.00	0.81	25.83	35.74	0.23	21.68	14.26	0.00	0.00	0.00	98.55	0.54	0.47
15SUV050	2015_7	5_2	7-5_002	chromite	chromite	0.25-0.5	0.00	0.62	18.66	42.57	0.30	26.57	9.40	0.01	0.00	0.00	98.13	0.39	0.59
15SUV050	2015_7	5_3	7-5_003	chromite	chromite	0.25-0.5	0.00	0.25	23.77	41.54	0.22	19.20	13.51	0.00	0.00	0.00	98.49	0.56	0.52
15SUV051	2015_7	5_4	7-5_004	chromite	chromite	0.25-0.5	0.00	0.25	30.81	36.49	0.18	14.25	16.98	0.00	0.00	0.00	98.96	0.68	0.43
15SUV051	2015_7	5_5	7-5_005	chromite	chromite	0.25-0.5	0.00	2.16	18.55	42.05	0.24	20.58	14.34	0.00	0.00	0.00	97.92	0.55	0.59
15SUV051	2015_7	5_6	7-5_006	chromite	chromite	0.25-0.5	0.00	0.54	21.94	40.08	0.25	24.41	11.20	0.00	0.00	0.00	98.42	0.45	0.54
15SUV054	2015_7	5_7	7-5_007	chromite	chromite	0.25-0.5	0.00	0.57	18.61	44.28	0.20	20.71	13.73	0.00	0.00	0.00	98.10	0.54	0.60
15SUV054	2015_7	5_8	7-5_008	chromite	chromite	0.25-0.5	0.00	2.04	17.17	41.40	0.23	23.33	13.86	0.00	0.00	0.00	98.03	0.51	0.60
16SUV013	Mount2_023	2_3_1	127	chromite	chromite	0.25-0.5	0.00	0.09	18.35	50.72	0.20	20.03	10.23	0.00	0.00	0.00	100.05	0.48	0.64
16SUV013	Mount2_024	2_3_2	128	chromite	chromite	0.25-0.5	0.00	1.54	23.83	38.41	0.15	18.61	16.04	0.00	0.00	0.00	99.04	0.61	0.50
16SUV014	Mount2_025	2_3_3	129	chromite	chromite	0.25-0.5	0.00	1.64	12.94	51.72	0.19	17.85	14.49	0.00	0.00	0.00	99.21	0.59	0.72
16SUV014	Mount2_026	2_3_4	130	chromite	chromite	0.25-0.5	0.00	3.39	6.78	46.84	0.21	25.76	14.76	0.00	0.00	0.00	98.13	0.51	0.81
16SUV018	Mount2_027	2_3_6	131	chromite	chromite	0.25-0.5	0.00	0.19	22.14	46.39	0.18	14.69	15.60	0.01	0.00	0.00	99.55	0.65	0.57
16SUV018	Mount2_028	2_3_8	132	chromite	chromite	0.25-0.5	0.00	0.53	28.13	37.10	0.19	18.12	14.55	0.00	0.00	0.00	99.06	0.59	0.45
16SUV018	Mount2_029	2_3_9	133	chromite	chromite	0.25-0.5	0.00	0.09	29.54	37.77	0.19	16.04	15.10	0.00	0.00	0.00	99.14	0.63	0.45
16SUV023	Mount2_030	2_3_10	134	chromite	chromite	0.25-0.5	0.00	2.37	13.61	42.91	0.21	26.09	12.82	0.01	0.03	0.00	98.42	0.47	0.67
16SUV023	Mount2_031	2_3_11	135	chromite	chromite	0.25-0.5	0.00	3.25	15.47	33.94	0.40	31.84	11.99	0.00	0.00	0.00	97.31	0.40	0.58
16SUV023	Mount2_032	2_3_12	136	chromite	chromite	0.25-0.5	0.00	1.67	27.53	31.05	0.18	23.14	14.63	0.00	0.00	0.01	98.66	0.53	0.42
16SUV023	Mount2_033	2_4_1	137	chromite	chromite	0.25-0.5	0.00	0.05	25.23	37.59	0.25	23.23	12.29	0.01	0.00	0.00	99.23	0.49	0.49
16SUV023	Mount2_034	2_4_2	138	chromite	chromite	0.25-0.5	0.00	0.98	27.69	36.21	0.14	17.56	16.32	0.00	0.00	0.00	99.31	0.62	0.45
16SUV023	Mount2_035	2_4_3	139	chromite	chromite	0.25-0.5	0.00	1.17	17.02	43.57	0.25	25.88	10.30	0.01	0.00	0.00	98.71	0.42	0.62
16SUV023	Mount2_036	2_4_4	140	chromite	chromite	0.25-0.5	0.00	0.77	27.58	37.84	0.15	16.31	16.33	0.00	0.00	0.00	99.42	0.64	0.46
16SUV023	Mount2_038	2_4_6	142	chromite	chromite	0.25-0.5	0.00	0.11	26.00	41.88	0.21	17.05	13.55	0.00	0.00	0.00	99.34	0.59	0.50
16SUV023	Mount2_039	2_4_7	143	chromite	chromite	0.25-0.5	0.00	0.73	36.17	29.74	0.12	13.26	18.00	0.00	0.00	0.01	98.52	0.71	0.34
16SUV024	Mount2_040	2_4_8	144	chromite	chromite	0.25-0.5	0.00	3.72	12.76	38.92	0.31	33.80	7.81	0.00	0.00	0.00	98.07	0.29	0.66
16SUV024	Mount2_041	2_4_9	145	chromite	chromite	0.25-0.5	0.00	0.50	15.88	49.34	0.15	18.29	13.87	0.00	0.00	0.00	98.41	0.57	0.66
16SUV024	Mount2_042	2_4_10	146	chromite	chromite	0.25-0.5	0.00	0.09	1.97	53.05	0.35	36.69	3.76	0.01	0.00	0.00	96.46	0.15	0.94
16SUV027	Mount2_043	2_5_1	147	chromite	chromite	0.5-1.0	0.00	1.19	31.50	33.72	0.13	14.42	17.26	0.00	0.00	0.00	98.70	0.68	0.40
16SUV027	Mount2_044	2_5_2	148	chromite	chromite	0.5-1.0	0.00	0.05	27.38	40.48	0.14	14.50	16.48	0.00	0.00	0.00	99.43	0.67	0.48
16SUV027	Mount2_045	2_5_3	149	chromite	chromite	0.5-1.0	0.00	0.34	28.31	36.47	0.26	20.01	13.18	0.00	0.00	0.01	99.04	0.54	0.45
16SUV027	Mount2_046	2_5_4	150	chromite	chromite	0.25-0.5	0.00	2.24	15.82	42.19	0.20	23.94	13.69	0.00	0.00	0.00	98.46	0.50	0.63
16SUV027	Mount2_047	2_5_6	151	chromite	chromite	0.25-0.5	0.00	0.63	37.27	27.73	0.13	14.76	18.27	0.00	0.00	0.00	99.22	0.69	0.32
16SUV027	Mount2_048	2_5_7	152	chromite	chromite	0.25-0.5	0.00	1.79	16.25	43.47	0.18	21.79	14.40	0.01	0.00	0.00	98.30	0.54	0.63
16SUV027	Mount2_049	2_5_8	153	chromite	chromite	0.25-0.5	0.00	2.64	20.96	33.53	0.21	27.17	13.25	0.00	0.00	0.00	98.22	0.47	0.50
16SUV027	Mount2_050	2_5_9	154	chromite	chromite	0.25-0.5	0.00	0.59	19.85	42.25	0.19	23.78	12.12	0.00	0.00	0.00	99.11	0.48	0.57
16SUV027	Mount2_052	2_5_11	156	chromite	chromite	0.25-0.5	0.00	0.44	16.38	46.37	0.24	25.34	9.65	0.01	0.00	0.00	98.81	0.40	0.64
16SUV027	Mount2_053	2_5_12	157	chromite	chromite	0.25-0.5	0.00	2.37	20.32	34.68	0.18	26.56	13.56	0.00	0.00	0.00	98.04	0.48	0.52
16SUV028	Mount2_054	2_6_1	158	chromite	chromite	0.25-0.5	0.00	0.59	27.60	38.88	0.16	15.20	16.31	0.00	0.00	0.00	99.16	0.66	0.47
16SUV028	Mount2_055	2_6_2	159	chromite	chromite	0.25-0.5	0.00	0.81	24.31	41.59	0.16	15.44	16.22	0.00	0.02	0.00	98.99	0.65	0.52
16SUV028	Mount2_056	2_6_3	160	chromite	chromite	0.25-0.5	0.00	1.12	24.31	40.98	0.17	16.82	15.38	0.00	0.00	0.00	99.21	0.62	0.52
16SUV028	Mount2_057	2_6_4	161	chromite	chromite	0.25-0.5	0.00	0.30	20.19	43.17	0.15	15.53	15.74	0.00	0.00	0.00	99.52	0.64	0.53
16SUV028	Mount2_058	2_6_5	162	chromite	chromite	0.25-0.5	0.00	0.73	25.70	41.00	0.16	15.08	16.28	0.00	0.00	0.00	99.30	0.66	0.50
16SUV028	Mount2_059	2_6_6	163	chromite	chromite	0.25-0.5	0.00	1.90	24.11	35.32	0.16	22.09	14.72	0.00	0.00	0.00	98.73	0.54	0.48
16SUV028	Mount2_060	2_6_7	164	chromite	chromite	0.25-0.5	0.00	1.56	23.34	39.81	0.16	17.53	16.29	0.01	0.00	0.00	99.15	0.62	0.52
16SUV028	Mount2_061	2_6_8	165	chromite	chromite	0.25-0.5	0.00	1.23	31.46	33.05	0.13	15.85	17.06	0.00	0.00	0.00	99.18	0.66	0.40
16SUV028	Mount2_062	2_6_9	166	chromite	chromite	0.5-1.0	0.00	2.23	16.50	41.05	0.20	24.39	13.62	0.00	0.00	0.00	98.40	0.50	0.61
16SUV028	Mount2_063	2_6_10	167	chromite	chromite	0.5-1.0	0.00	0.45	41.90	23.37	0.14	14.78	18.28	0.00	0.00	0.00	99.33	0.69	0.26
16SUV028	Mount2_064	2_6_11	168	chromite	chromite	0.25-0.5	0.00	1.53	24.13	38.35	0.15	18.51	15.96	0.00	0.00	0.00	99.05	0.61	0.50
16SUV028	Mount2_065	2_6_12	169	chromite	chromite	0.25-0.5	0.00	1.18	26.00	38.77	0.12	15.89	16.91	0.00	0.00	0.00	99.32	0.65	0.49
16SUV028	Mount2_066	2_6_13	170	chromite	chromite	0.25-0.5	0.00	1.07	23.35	41.32	0.17	16.71	16.11	0.00	0.00	0.00	99.13	0.63	0.53
16SUV028	Mount2_067	2_6_14	171	chromite	chromite	0.25-0.5	0.00	1.44	24.45	38.18	0.16	17.72	16.28	0.00	0.00	0.00	98.70	0.62	0.50

16SUV028	Mount2_068	2_6_15	172	chromite	chromite	0.25-0.5	0.00	3.69	10.97	39.84	0.26	31.44	11.13	0.00	0.00	0.00	0.00	0.08	0.07	0.19	0.00	97.67	0.39	0.70
16SUV028	Mount2_071	2_7_4	175	chromite	chromite	0.25-0.5	0.00	2.70	14.41	42.96	0.19	24.48	13.22	0.00	0.00	0.00	0.00	0.20	0.06	0.18	0.00	98.40	0.49	0.65
16SUV028	Mount2_073	2_7_6	177	chromite	chromite	0.25-0.5	0.00	2.29	30.51	27.45	0.17	22.31	15.63	0.01	0.00	0.00	0.00	0.22	0.07	0.14	0.00	98.81	0.56	0.36
16SUV028	Mount2_075	2_7_8	179	chromite	chromite	0.25-0.5	0.00	2.16	15.99	41.56	0.20	24.90	13.34	0.00	0.00	0.00	0.00	0.19	0.07	0.17	0.00	98.58	0.49	0.62
16SUV028	Mount2_077	2_7_10	181	chromite	chromite	0.25-0.5	0.00	3.57	16.42	35.72	0.19	28.30	13.18	0.02	0.00	0.00	0.00	0.17	0.03	0.17	0.00	97.78	0.45	0.58
16SUV028	Mount2_078	2_7_11	182	chromite	chromite	0.25-0.5	0.00	2.98	20.11	33.77	0.16	27.05	13.79	0.00	0.00	0.00	0.00	0.24	0.09	0.16	0.02	98.38	0.48	0.52
16SUV028	Mount2_079	2_7_12	183	chromite	chromite	0.25-0.5	0.00	0.26	22.01	39.27	0.23	27.71	9.00	0.00	0.00	0.01	0.00	0.10	0.16	0.09	0.00	98.83	0.37	0.53
16SUV013	Mount2_080	2_7_13	184	chromite	chromite	0.25-0.5	0.00	0.27	22.85	42.47	0.18	19.76	13.24	0.00	0.00	0.00	0.00	0.22	0.07	0.12	0.00	99.18	0.54	0.54
16SUV023	Mount3_040	3_4_1	166	ilmenite	chromite	0.18-0.25	0.00	1.55	23.65	39.05	0.17	18.46	15.93	0.00	0.00	0.00	0.00	0.21	0.06	0.16	0.00	99.22	0.61	0.51
16SUV023	Mount3_049	3_4_10	175	ilmenite	chromite	0.18-0.25	0.00	2.41	23.49	33.50	0.18	24.69	14.21	0.00	0.00	0.00	0.00	0.20	0.09	0.15	0.00	98.93	0.51	0.47
15SUV015	Mount3_055	3_5_1	181	chromite	chromite	0.18-0.25	0.00	4.03	9.29	37.56	0.34	39.79	6.18	0.00	0.00	0.00	0.00	0.08	0.15	0.40	0.00	97.82	0.22	0.72
15SUV018	Mount3_056	3_5_2	182	chromite	chromite	0.18-0.25	0.00	0.49	12.41	55.72	0.17	18.36	10.85	0.00	0.00	0.00	0.00	0.14	0.08	0.22	0.00	98.44	0.51	0.74
15SUV018	Mount3_057	3_5_3	183	chromite	chromite	0.18-0.25	0.00	1.08	41.20	20.48	0.14	18.74	17.16	0.00	0.00	0.00	0.00	0.22	0.08	0.13	0.00	99.24	0.62	0.24
15SUV018	Mount3_058	3_5_4	184	chromite	chromite	0.18-0.25	0.04	0.19	44.40	22.68	0.11	11.38	19.89	0.00	0.00	0.00	0.00	0.31	0.05	0.09	0.00	99.14	0.76	0.24
15SUV018	Mount3_059	3_5_5	185	chromite	chromite	0.18-0.25	0.00	1.13	17.60	41.58	0.24	27.56	9.98	0.00	0.00	0.00	0.00	0.15	0.11	0.41	0.00	98.77	0.39	0.60
15SUV019	Mount3_060	3_5_6	186	chromite	chromite	0.18-0.25	0.00	2.03	14.66	41.57	0.26	27.86	11.54	0.01	0.00	0.00	0.00	0.22	0.07	0.32	0.00	98.53	0.42	0.64
15SUV019	Mount3_061	3_5_7	187	chromite	chromite	0.18-0.25	0.00	1.88	15.09	40.02	0.31	33.12	7.93	0.00	0.00	0.00	0.00	0.12	0.11	0.25	0.00	98.82	0.30	0.63
15SUV019	Mount3_062	3_5_8	188	chromite	chromite	0.18-0.25	0.00	0.04	6.42	62.74	0.32	21.58	8.04	0.00	0.00	0.01	0.00	0.00	0.22	0.12	0.00	99.47	0.40	0.86
15SUV019	Mount3_063	3_5_9	189	chromite	chromite	0.18-0.25	0.00	2.01	18.16	38.59	0.23	26.81	12.38	0.00	0.00	0.00	0.00	0.17	0.07	0.18	0.00	98.59	0.45	0.57
15SUV028	Mount3_064	3_5_10	190	chromite	chromite	0.18-0.25	0.00	0.66	25.98	37.37	0.17	18.59	16.38	0.00	0.00	0.00	0.00	0.18	0.03	0.08	0.00	99.45	0.61	0.48
15SUV028	Mount3_065	3_5_11	191	chromite	chromite	0.18-0.25	0.00	1.91	15.24	42.97	0.27	27.86	9.78	0.00	0.00	0.00	0.00	0.19	0.11	0.28	0.00	98.62	0.39	0.64
15SUV028	Mount3_066	3_5_12	192	chromite	chromite	0.18-0.25	0.00	0.47	17.48	47.38	0.19	20.10	13.35	0.00	0.00	0.00	0.00	0.26	0.00	0.12	0.00	99.34	0.54	0.63
15SUV030	Mount3_067	3_5_13	193	chromite	chromite	0.18-0.25	0.00	1.44	17.12	40.61	0.22	29.01	9.87	0.00	0.00	0.00	0.00	0.18	0.13	0.37	0.00	98.94	0.38	0.60
15SUV030	Mount3_068	3_5_14	194	chromite	chromite	0.18-0.25	0.00	1.38	16.50	42.90	0.24	26.57	10.85	0.00	0.00	0.00	0.00	0.17	0.09	0.25	0.00	98.96	0.42	0.62
16SUV023	Mount3_069	3_6_1	195	chromite	chromite	0.18-0.25	0.00	0.17	12.01	54.14	0.23	22.52	9.19	0.00	0.00	0.00	0.00	0.08	0.16	0.10	0.00	98.60	0.42	0.74
16SUV023	Mount3_070	3_6_2	196	chromite	chromite	0.18-0.25	0.00	2.43	15.49	41.27	0.18	25.60	13.41	0.00	0.00	0.00	0.00	0.19	0.07	0.17	0.00	98.82	0.48	0.63
16SUV023	Mount3_071	3_6_3	197	chromite	chromite	0.18-0.25	0.00	0.73	5.90	34.59	0.28	43.87	10.76	0.01	0.00	0.00	0.00	0.18	0.05	0.07	0.00	96.43	0.30	0.79
16SUV023	Mount3_072	3_6_4	198	chromite	chromite	0.18-0.25	0.00	0.39	6.62	49.48	0.39	32.70	7.96	0.01	0.00	0.00	0.00	0.11	0.17	0.06	0.00	97.90	0.30	0.83
16SUV023	Mount3_073	3_6_5	199	chromite	chromite	0.18-0.25	0.00	2.29	17.19	37.60	0.20	27.59	13.04	0.00	0.00	0.00	0.00	0.17	0.03	0.18	0.00	98.29	0.46	0.58
16SUV023	Mount3_074	3_6_6	200	chromite	chromite	0.18-0.25	0.00	0.55	17.77	42.44	0.30	30.68	6.64	0.00	0.00	0.00	0.00	0.08	0.18	0.18	0.00	98.82	0.28	0.60
16SUV023	Mount3_075	3_6_7	201	chromite	chromite	0.18-0.25	0.00	0.24	13.75	49.73	0.34	29.31	5.00	0.01	0.00	0.00	0.00	0.16	0.09	0.10	0.00	98.73	0.23	0.70
16SUV023	Mount3_076	3_6_8	202	chromite	chromite	0.18-0.25	0.00	0.39	25.05	40.06	0.21	18.38	14.83	0.00	0.00	0.00	0.00	0.10	0.05	0.24	0.00	99.31	0.59	0.50
16SUV023	Mount3_077	3_6_9	203	chromite	chromite	0.18-0.25	0.00	0.90	36.23	28.62	0.13	14.59	18.32	0.01	0.00	0.00	0.00	0.22	0.07	0.12	0.00	99.19	0.69	0.33
16SUV023	Mount3_078	3_6_10	204	chromite	chromite	0.18-0.25	0.00	2.09	16.50	42.80	0.18	22.97	13.93	0.00	0.00	0.00	0.00	0.18	0.08	0.13	0.00	98.86	0.52	0.62
16SUV023	Mount3_079	3_6_11	205	chromite	chromite	0.18-0.25	0.00	0.96	19.31	45.63	0.15	18.17	12.85	0.00	0.00	0.00	0.00	0.18	0.06	0.14	0.00	97.45	0.56	0.60
16SUV023	Mount3_080	3_6_12	206	chromite	chromite	0.18-0.25	0.00	1.34	10.62	56.11	0.18	18.57	8.96	0.01	0.02	0.00	0.00	0.14	0.16	0.28	0.00	96.40	0.46	0.77
16SUV023	Mount3_081	3_6_13	207	chromite	chromite	0.18-0.25	0.00	0.06	23.86	45.24	0.19	16.38	13.56	0.00	0.00	0.00	0.00	0.08	0.16	0.17	0.00	99.72	0.60	0.55
16SUV023	Mount3_082	3_6_14	208	chromite	chromite	0.18-0.25	0.00	2.09	27.32	28.15	0.20	26.10	14.53	0.00	0.00	0.00	0.00	0.19	0.05	0.22	0.00	98.85	0.50	0.39
16SUV023	Mount3_083	3_6_15	209	chromite	chromite	0.18-0.25	0.00	2.05	15.55	44.23	0.19	22.49	14.23	0.00	0.00	0.00	0.00	0.19	0.05	0.12	0.00	99.11	0.53	0.64

shading depicts duplicate analysis of single grains

APPENDIX 6D

GEOLOGICAL SURVEY OF CANADA
Banks Island samples - EPMA chemistry: SPINEL - ALUMINIUM-SERIES

							WT %															
GSC Sample #	Mount	Grain #	EPMA #	ODM Min ID	EPMA Min ID	Grain Size	SiO2	TiO2	Al2O3	Cr2O3	MnO	FeO	MgO	CaO	Na2O	K2O	Nb2O5	NiO	ZnO	V2O3	P2O5	Total
15SUV004	2015_3	3_9	3-3_009	spinel	spinel	0.25-0.5	0.00	0.03	69.05	0.00	0.05	4.87	24.74	0.00	0.00	0.00						98.74
15SUV028	2015_3	3_10	3-3_010	spinel	spinel	0.25-0.5	0.00	0.00	69.42	0.08	0.07	6.29	24.47	0.00	0.00	0.00						100.33
15SUV003	2015_3	4_1	3-4_001	hercynite	spinel	0.5-1.0	0.09	0.63	59.37	0.11	0.14	21.79	17.56	0.00	0.00	0.00						99.69
15SUV003	2015_3	4_2	3-4_002	hercynite	spinel	0.5-1.0	0.08	0.55	60.28	1.09	0.12	19.46	18.48	0.00	0.00	0.00						100.06
15SUV014	2015_3	4_4	3-4_004	hercynite	spinel	0.25-0.5	0.00	0.12	61.63	4.93	0.09	11.46	20.91	0.00	0.00	0.00						99.14
15SUV014	2015_3	4_5	3-4_005	hercynite	spinel	0.25-0.5	0.07	0.73	57.10	0.11	0.17	24.40	16.95	0.00	0.00	0.00						99.53
15SUV020	2015_3	4_6	3-4_006	hercynite	spinel	0.5-1.0	0.05	0.43	60.43	0.33	0.15	20.14	18.40	0.00	0.00	0.00						99.93
15SUV020	2015_3	4_7	3-4_007	hercynite	spinel	0.5-1.0	0.00	0.34	59.08	2.44	0.14	19.21	18.18	0.00	0.00	0.00						99.39
15SUV025	2015_3	4_8	3-4_008	hercynite	spinel	0.25-0.5	0.08	0.59	59.93	0.59	0.11	20.04	18.38	0.00	0.00	0.00						99.72
15SUV026	2015_3	4_9	3-4_009	hercynite	spinel	0.5-1.0	0.04	0.21	59.34	7.66	0.09	10.24	21.54	0.00	0.00	0.00						99.12
15SUV051	2015_3	4_10	3-4_010	hercynite	spinel	0.5-1.0	0.11	0.52	59.46	0.12	0.15	21.26	18.14	0.00	0.00	0.00						99.76
15SUV003	2015_5	2_9	5-2_009	chromite, euhedral	spinel	0.25-0.5	0.00	0.81	37.51	26.74	0.18	15.95	17.94	0.00	0.00	0.00						99.13
15SUV001	2015_6	1_6	6-1_006	chromite	spinel	0.25-0.5	0.00	0.21	50.77	16.48	0.11	11.22	20.30	0.01	0.00	0.00						99.10
15SUV001	2015_6	1_7	6-1_007	chromite	spinel	0.25-0.5	0.00	0.36	40.76	23.99	0.14	15.58	18.18	0.00	0.00	0.00						99.01
15SUV002	2015_6	2_4	6-2_004	chromite	spinel	0.25-0.5	0.00	0.22	47.97	19.38	0.11	11.36	19.90	0.00	0.00	0.00						98.94
15SUV003	2015_6	2_10	6-2_010	chromite	spinel	0.5-1.0	0.00	0.05	57.63	9.67	0.11	11.19	20.45	0.00	0.00	0.00						99.10
15SUV003	2015_6	3_6	6-3_006	chromite	spinel	0.25-0.5	0.00	0.00	50.84	16.94	0.12	11.18	20.18	0.00	0.00	0.00						99.26
15SUV020	2015_7	2_6	7-2_006	chromite	spinel	0.25-0.5	0.06	0.32	56.50	10.02	0.09	11.04	21.04	0.01	0.00	0.00						99.08
15SUV020	2015_7	3_1	7-3_001	chromite	spinel	0.25-0.5	0.00	0.14	42.41	24.96	0.14	12.89	18.45	0.00	0.00	0.00						98.99
15SUV020	2015_7	3_2	7-3_002	chromite	spinel	0.25-0.5	0.00	0.08	50.71	16.38	0.12	11.75	19.85	0.00	0.00	0.00						98.89
15SUV020	2015_7	3_5	7-3_005	chromite	spinel	0.25-0.5	0.00	0.38	46.16	16.25	0.16	18.54	17.22	0.01	0.00	0.00						98.72
15SUV024	2015_7	4_1	7-4_001	chromite	spinel	0.25-0.5	0.00	0.92	33.90	28.52	0.18	18.82	16.14	0.00	0.00	0.00						98.48
16SUV024	Mount1_057	1_6_4	277	gahnite	gahnite	0.25-0.5	0.00	0.00	59.80	0.00	0.44	11.89	4.30	0.00	0.00	0.00	0.00	0.00	25.18	0.00	0.00	101.61
16SUV024	Mount1_058	1_6_5	278	gahnite	gahnite	0.25-0.5	0.00	0.00	58.61	0.00	0.27	6.52	3.62	0.00	0.00	0.00	0.00	0.00	32.56	0.00	0.00	101.59
16SUV024	Mount1_059	1_6_6	279	gahnite	gahnite	0.25-0.5	0.00	0.00	57.85	0.09	0.30	7.77	2.61	0.00	0.00	0.00	0.00	0.00	32.91	0.11	0.00	101.64
16SUV024	Mount1_060	1_6_7	280	gahnite	gahnite	0.25-0.5	0.00	0.00	59.14	0.00	0.04	16.43	3.97	0.00	0.00	0.00	0.00	0.03	21.28	0.03	0.00	100.92
16SUV024	Mount1_061	1_6_8	281	gahnite	gahnite	0.25-0.5	0.03	0.00	53.82	0.10	0.13	16.91	2.72	0.01	0.00	0.01	0.00	0.00	21.30	0.03	0.00	95.06
16SUV013	Mount1_062	1_6_9	282	spinel	spinel	0.25-0.5	0.00	0.00	68.65	0.07	0.12	6.93	24.10	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	99.96
16SUV023	Mount1_063	1_6_10	283	spinel	spinel	0.25-0.5	0.00	0.05	69.78	0.04	0.09	4.30	25.84	0.00	0.00	0.00	0.00	0.00	0.27	0.03	0.00	100.40
16SUV028	Mount1_064	1_6_11	284	spinel	spinel	0.25-0.5	0.00	0.04	70.39	0.03	0.03	3.41	26.00	0.01	0.00	0.00	0.00	0.02	0.00	0.04	0.00	99.98
16SUV018	Mount1_067	1_7_2	287	hercynite	gahnite	0.25-0.5	0.00	0.00	61.62	0.00	0.16	16.05	7.88	0.00	0.00	0.00	0.00	0.00	15.28	0.00	0.00	100.98
16SUV018	Mount1_068	1_7_3	288	hercynite	spinel/hercynite	0.25-0.5	0.09	0.54	59.31	0.04	0.14	21.46	18.40	0.00	0.00	0.00	0.00	0.10	0.07	0.08	0.00	100.23
16SUV018	Mount1_069	1_7_4	289	hercynite	spinel/hercynite	0.25-0.5	0.03	0.28	58.12	0.00	0.23	28.76	12.35	0.00	0.00	0.00	0.00	0.02	0.17	0.08	0.00	100.05
16SUV023	Mount1_071	1_7_6	291	hercynite	spinel/hercynite	0.25-0.5	0.12	0.18	61.76	0.00	0.13	19.19	18.17	0.01	0.00	0.00	0.00	0.24	0.09	0.07	0.00	99.95
16SUV023	Mount1_072	1_7_7	292	hercynite	spinel/hercynite	0.25-0.5	0.05	0.34	60.45	0.18	0.16	22.99	15.91	0.00	0.00	0.00	0.00	0.05	0.09	0.08	0.00	100.31
16SUV023	Mount1_073	1_7_8	293	hercynite	spinel/hercynite	0.25-0.5	0.13	0.93	58.02	0.00	0.14	22.99	17.22	0.00	0.00	0.00	0.00	0.11	0.15	0.13	0.00	99.81
16SUV027	Mount1_074	1_7_9	294	hercynite	spinel/hercynite	0.5-1.0	0.08	0.69	58.97	0.51	0.12	20.92	18.09	0.00	0.00	0.00	0.00	0.13	0.10	0.12	0.00	99.72
16SUV027	Mount1_075	1_7_10	295	hercynite	spinel/hercynite	0.25-0.5	0.07	0.32	60.03	1.06	0.15	19.41	18.75	0.00	0.00	0.00	0.00	0.15	0.11	0.05	0.00	100.10
16SUV023	Mount3_029	3_2_15	155	GP	spinel	0.18-0.25	0.04	0.07	69.58	0.08	0.00	3.67	26.12	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	99.60

APPENDIX 6E

GEOLOGICAL SURVEY OF CANADA
Banks Island samples - EPMA chemistry: Mg-ILMENITE

								WT %															Total	Classification ¹
GSC Sample #	Sample Type	Mount	Grain #	EPMA #	ODM Min ID	EPMA Min ID	Grain Size	SiO2	TiO2	Al2O3	Cr2O3	MnO	FeO	MgO	CaO	Na2O	K2O	Nb2O5	NiO	ZnO	V2O3	P2O5		
155UV001	stream sediments	2015_4	1_1	4-1_001	ilmenite	ilmenite	0.5-1.0	0.03	51.11	0.54	0.99	0.30	31.10	12.70	0.02	0.00	0.00						96.79	kimberlitic
155UV001	stream sediments	2015_4	1_2	4-1_002	ilmenite	ilmenite	0.5-1.0	0.03	50.47	0.27	0.27	0.25	36.09	9.90	0.02	0.00	0.00						97.30	kimberlitic
155UV001	stream sediments	2015_4	1_3	4-1_003	ilmenite	ilmenite	0.25-0.5	0.04	51.21	0.59	1.91	0.26	29.73	13.46	0.02	0.04	0.00						97.26	kimberlitic
155UV001	stream sediments	2015_4	1_4	4-1_004	ilmenite	ilmenite	0.25-0.5	0.00	51.50	0.56	1.29	0.27	30.87	13.05	0.02	0.00	0.00						97.56	kimberlitic
155UV001	stream sediments	2015_4	1_5	4-1_005	ilmenite	ilmenite	0.25-0.5	0.00	49.32	0.43	1.04	0.30	35.58	10.49	0.02	0.00	0.00						97.18	kimberlitic
155UV001	stream sediments	2015_4	3_1	4-3_001	ilmenite, crustal	ilmenite	0.5-1.0	0.02	45.31	0.03	0.00	1.80	50.00	0.25	0.00	0.00	0.00						97.41	non-kimberlitic
155UV001	stream sediments	2015_4	3_2	4-3_002	ilmenite, crustal	ilmenite	0.5-1.0	0.00	49.00	0.08	0.03	0.39	47.33	0.59	0.01	0.00	0.00						97.43	non-kimberlitic
155UV001	stream sediments	2015_4	3_3	4-3_003	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.07	0.03	0.24	0.30	46.12	2.85	0.00	0.00	0.00						97.61	non-kimberlitic
155UV001	stream sediments	2015_4	3_4	4-3_004	ilmenite, crustal	ilmenite	0.25-0.5	0.00	51.30	0.00	0.00	0.34	46.27	0.47	0.00	0.00	0.00						98.38	non-kimberlitic
155UV001	stream sediments	2015_4	3_5	4-3_005	ilmenite, crustal	ilmenite	0.25-0.5	0.00	47.60	0.07	0.00	0.40	48.69	0.60	0.00	0.00	0.00						97.36	non-kimberlitic
155UV001	stream sediments	2015_4	3_6	4-3_006	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.79	0.07	0.00	0.44	48.11	0.44	0.00	0.00	0.00						97.85	non-kimberlitic
155UV001	stream sediments	2015_4	3_7	4-3_007	ilmenite, crustal	ilmenite	0.25-0.5	0.07	47.59	0.05	0.00	0.91	47.59	0.43	0.01	0.00	0.00						96.65	non-kimberlitic
155UV001	stream sediments	2015_4	3_8	4-3_008	ilmenite, crustal	ilmenite	0.25-0.5	0.00	42.46	0.07	0.00	0.56	53.11	0.26	0.00	0.00	0.00						96.46	non-kimberlitic
155UV001	stream sediments	2015_4	3_9	4-3_009	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.77	0.09	0.00	0.42	46.73	1.61	0.00	0.00	0.00						97.62	non-kimberlitic
155UV001	stream sediments	2015_4	3_10	4-3_010	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.96	0.00	0.00	1.29	47.52	0.09	0.00	0.00	0.00						97.86	non-kimberlitic
155UV002	stream sediments	2015_4	4_1	4-4_001	ilmenite, crustal	ilmenite	0.25-0.5	0.00	49.14	0.00	0.00	0.34	47.63	0.33	0.01	0.00	0.00						97.45	non-kimberlitic
155UV003	stream sediments	2015_4	1_6	4-1_006	ilmenite	ilmenite	0.25-0.5	0.23	50.89	1.00	0.88	0.24	31.91	11.24	0.08	0.07	0.00						96.54	kimberlitic
155UV003	stream sediments	2015_4	4_2	4-4_002	ilmenite, crustal	ilmenite	0.25-0.5	0.00	49.77	0.02	0.10	0.69	46.54	0.85	0.00	0.00	0.00						97.97	non-kimberlitic
155UV003	stream sediments	2015_4	4_3	4-4_003	ilmenite, crustal	ilmenite	0.25-0.5	0.00	47.24	0.05	0.07	0.36	48.90	0.48	0.00	0.00	0.00						97.10	non-kimberlitic
155UV004	stream sediments	2015_6	4_3	6-4_003	chromite	ilmenite	0.25-0.5	0.00	47.67	0.06	0.00	0.32	48.65	0.57	0.00	0.00	0.00						97.27	non-kimberlitic
155UV006	stream sediments	2015_4	4_4	4-4_004	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.97	0.00	0.00	1.05	47.57	0.26	0.00	0.00	0.00						97.85	non-kimberlitic
155UV006	stream sediments	2015_4	4_5	4-4_005	ilmenite, crustal	ilmenite	0.25-0.5	0.00	49.10	0.00	0.00	0.44	48.23	0.35	0.00	0.00	0.00						98.12	non-kimberlitic
155UV009	stream sediments	2015_6	5_1	6-5_001	chromite	ilmenite	0.25-0.5	0.00	49.01	0.00	0.00	0.55	47.86	0.23	0.00	0.00	0.00						97.65	non-kimberlitic
155UV009	stream sediments	2015_6	5_2	6-5_002	chromite	ilmenite	0.25-0.5	0.00	49.23	0.00	0.00	0.73	47.86	0.21	0.00	0.00	0.00						98.03	non-kimberlitic
155UV009	stream sediments	2015_6	5_3	6-5_003	chromite	ilmenite	0.25-0.5	0.00	48.75	0.02	0.00	0.68	48.31	0.13	0.00	0.00	0.00						97.89	non-kimberlitic
155UV009	stream sediments	2015_6	5_4	6-5_004	chromite	ilmenite	0.25-0.5	0.00	36.01	0.13	0.04	0.32	56.98	1.67	0.00	0.00	0.00						95.15	non-kimberlitic
155UV009	stream sediments	2015_6	5_5	6-5_005	chromite	ilmenite	0.25-0.5	0.25	55.42	0.16	0.06	3.16	31.88	0.04	0.03	0.00	0.02						91.02	non-kimberlitic
155UV009	stream sediments	2015_6	5_6	6-5_006	chromite	ilmenite	0.25-0.5	0.00	48.06	0.09	0.00	0.44	47.85	1.33	0.00	0.00	0.00						97.77	non-kimberlitic
155UV009	stream sediments	2015_6	5_7	6-5_007	chromite	ilmenite	0.25-0.5	0.00	48.07	0.10	0.00	0.33	47.46	0.69	0.00	0.00	0.00						96.65	non-kimberlitic
155UV009	stream sediments	2015_6	5_8	6-5_008	chromite	ilmenite	0.25-0.5	0.03	51.38	0.57	1.51	0.29	30.13	13.25	0.03	0.00	0.00						97.19	kimberlitic
155UV009	stream sediments	2015_6	5_9	6-5_009	chromite	ilmenite	0.25-0.5	0.00	44.96	0.05	0.00	0.51	50.27	1.35	0.00	0.00	0.00						97.14	non-kimberlitic
155UV009	stream sediments	2015_6	6_1b_?	6-6-1B_ilmenite	chromite	ilmenite	0.25-0.5	0.00	48.64	0.05	0.00	0.72	47.99	0.29	0.01	0.00	0.00						97.70	non-kimberlitic
155UV009	stream sediments	2015_6	6_2	6-6_002	chromite	ilmenite	0.25-0.5	0.00	46.78	0.00	0.00	0.80	49.63	0.49	0.00	0.00	0.00						97.70	non-kimberlitic
155UV009	stream sediments	2015_6	6_5	6-6_005	chromite	ilmenite	0.25-0.5	0.00	51.57	0.04	0.09	0.60	44.56	0.05	0.00	0.00	0.00						96.91	non-kimberlitic
155UV009	stream sediments	2015_6	6_6	6-6_006	chromite	ilmenite	0.25-0.5	0.00	48.54	0.00	0.00	0.83	48.24	0.25	0.01	0.00	0.00						97.87	non-kimberlitic
155UV009	stream sediments	2015_6	6_8	6-6_008	chromite	ilmenite	0.25-0.5	0.00	48.33	0.04	0.00	0.29	48.34	0.81	0.00	0.00	0.00						97.81	non-kimberlitic
155UV009	stream sediments	2015_6	6_10	6-6_010	chromite	ilmenite	0.25-0.5	0.27	55.37	0.42	0.09	0.30	30.45	1.01	0.05	0.04	0.01						88.01	non-kimberlitic
155UV010	stream sediments	2015_4	4_6	4-4_006	ilmenite, crustal	ilmenite	0.5-1.0	0.00	48.75	0.05	0.00	0.53	47.56	0.39	0.00	0.00	0.00						97.28	non-kimberlitic
155UV010	stream sediments	2015_4	4_7	4-4_007	ilmenite, crustal	ilmenite	0.5-1.0	0.00	48.87	0.04	0.00	0.52	47.15	0.88	0.00	0.00	0.00						97.46	non-kimberlitic
155UV014	stream sediments	2015_4	2_1	4-2_001	ilmenite	ilmenite	0.25-0.5	0.00	51.35	0.75	1.21	0.22	29.57	13.73	0.02	0.00	0.00						96.85	kimberlitic
155UV018	Beaufort Fm.	2015_4	4_8	4-4_008A	ilmenite, crustal	ilmenite	0.25-0.5	0.13	57.72	0.17	0.05	0.52	32.98	0.46	0.07	0.00	0.00						92.10	non-kimberlitic
155UV018_rpt	Beaufort Fm.	2015_4	4_8_rpt	4-4-8B	ilmenite, crustal	ilmenite	0.25-0.5	0.14	57.79	0.24	0.04	0.53	32.29	0.44	0.06	0.07	0.00						91.60	non-kimberlitic
155UV020	stream sediments	2015_4	2_2	4-2_002	ilmenite	ilmenite	0.5-1.0	0.00	51.45	0.55	1.04	0.28	31.29	12.81	0.02	0.00	0.00						97.44	kimberlitic
155UV020	stream sediments	2015_4	2_3	4-2_003	ilmenite	ilmenite	0.25-0.5	0.00	45.35	0.28	2.36	0.30	39.17	8.84	0.01	0.00	0.00						96.31	kimberlitic
155UV020	stream sediments	2015_4	2_4	4-2_004	ilmenite	ilmenite	0.25-0.5	0.00	50.32	0.57	1.75	0.29	32.26	11.92	0.03	0.00	0.00						97.14	kimberlitic
155UV020																								

¹Ilmenite classification according to Wyatt et al.'s (2004) "non-kimberlitic/kimberlitic" bounding reference line on a TiO₂ - MgO (wt%) plot (Fig. 15B).
shading depicts duplicate analysis of single grains

¹Ilmenite classification according to Wyatt et al.'s (2004) "non-kimberlitic/kimberlitic" bounding reference line on a TiO₂ - MgO (wt%) plot (Fig. 15B).
shading depicts duplicate analysis of single grains

APPENDIX 6F

GEOLOGICAL SURVEY OF CANADA
Banks Island samples - EPMA chemistry: OLIVINE

								WT %																	
GSC Sample #	Mount	Grain #	EPMA #	Sample Material	ODM Min ID	EPMA Min ID	Grain Size	SiO2	TiO2	Al2O3	Cr2O3	MnO	FeO	MgO	CaO	Na2O	K2O	Nb2O5	NiO	ZnO	V2O3	P2O5	Total	MAGNUM ¹	
15SUV006	2015_3	3_7	3-3_007	stream sediments	bronzite	olivine	0.25-0.5	36.30	0.00	0.00	0.00	0.46	35.32	27.59	0.17	0.00	0.00							99.84	0.58
15SUV006	2015_3	3_1	3-3_001	stream sediments	diopside	olivine	0.25-0.5	38.31	0.00	0.03	0.00	0.32	22.51	37.78	0.25	0.00	0.00							99.20	0.75
15SUV001	2015_2	3_1	2-3_001	stream sediments	fayalite	olivine	0.25-0.5	37.35	0.06	0.03	0.00	0.42	28.02	33.74	0.28	0.00	0.00							99.90	0.68
15SUV005	2015_2	3_2	2-3_002	stream sediments	fayalite	olivine	0.25-0.5	36.18	0.00	0.02	0.00	0.47	33.93	29.18	0.30	0.00	0.00							100.08	0.61
15SUV005	2015_2	3_3	2-3_003	stream sediments	fayalite	olivine	0.25-0.5	34.39	0.00	0.00	0.00	0.60	43.05	21.50	0.21	0.00	0.00							99.75	0.47
15SUV005	2015_2	3_4	2-3_004	stream sediments	fayalite	olivine	0.25-0.5	36.16	0.03	0.02	0.00	0.48	33.94	28.97	0.26	0.00	0.00							99.86	0.60
15SUV005	2015_2	3_5	2-3_005	stream sediments	fayalite	olivine	0.25-0.5	39.34	0.00	0.02	0.05	0.23	15.55	43.51	0.27	0.00	0.00							98.97	0.83
15SUV006	2015_2	3_6	2-3_006	stream sediments	fayalite	olivine	0.25-0.5	37.72	0.00	0.00	0.00	0.34	25.69	35.64	0.31	0.00	0.00							99.70	0.71
15SUV006	2015_2	3_7	2-3_007	stream sediments	fayalite	olivine	0.25-0.5	35.80	0.00	0.03	0.00	0.49	35.91	27.23	0.29	0.00	0.00							99.75	0.57
15SUV006	2015_2	3_8	2-3_008	stream sediments	fayalite	olivine	0.25-0.5	36.92	0.00	0.00	0.00	0.41	29.71	32.19	0.28	0.00	0.00							99.51	0.66
15SUV010	2015_2	4_1	2-4_001	stream sediments	fayalite	olivine	0.25-0.5	35.26	0.00	0.02	0.03	0.51	37.79	25.85	0.23	0.00	0.00							99.69	0.55
15SUV010	2015_2	4_2	2-4_002	stream sediments	fayalite	olivine	0.25-0.5	35.14	0.00	0.00	0.00	0.53	39.89	24.19	0.26	0.00	0.00							100.01	0.52
15SUV010	2015_2	4_3	2-4_003	stream sediments	fayalite	olivine	0.25-0.5	34.98	0.02	0.00	0.00	0.55	40.70	23.56	0.25	0.00	0.00							100.06	0.51
15SUV020	2015_2	4_5	2-4_005	stream sediments	fayalite	olivine	0.25-0.5	35.98	0.04	0.00	0.00	0.44	34.39	28.72	0.14	0.00	0.00							99.71	0.60
15SUV020	2015_2	4_6	2-4_006	stream sediments	fayalite	olivine	0.25-0.5	35.29	0.02	0.00	0.00	0.50	38.48	25.43	0.24	0.00	0.00							99.96	0.54
15SUV023	2015_2	4_7	2-4_007	till	fayalite	olivine	0.25-0.5	36.17	0.02	0.00	0.00	0.47	34.95	28.01	0.27	0.00	0.00							99.89	0.59
15SUV023	2015_2	4_8	2-4_008	till	fayalite	olivine	0.25-0.5	35.85	0.00	0.00	0.00	0.48	36.27	27.00	0.27	0.00	0.00							99.87	0.57
15SUV023	2015_2	4_9	2-4_009	till	fayalite	olivine	0.25-0.5	35.75	0.02	0.00	0.00	0.52	35.94	27.20	0.27	0.00	0.00							99.70	0.57
15SUV023	2015_2	4_10	2-4_010	till	fayalite	olivine	0.25-0.5	34.67	0.02	0.00	0.00	0.57	42.35	22.42	0.26	0.00	0.00							100.29	0.49
16SUV014	Mount1_042	1_5_1	262	stream sediments	fayalite	olivine	0.25-0.5	35.85	0.00	0.00	0.00	0.52	38.44	25.35	0.20	0.00	0.00	0.00	0.10	0.03	0.00	0.00	0.00	100.49	0.54
16SUV014	Mount1_043	1_5_2	263	stream sediments	fayalite	olivine	0.25-0.5	35.02	0.04	0.02	0.00	0.63	41.99	22.65	0.23	0.00	0.00	0.00	0.03	0.03	0.00	0.03	0.00	100.65	0.49
16SUV014	Mount1_044	1_5_3	264	stream sediments	fayalite	olivine	0.25-0.5	36.02	0.03	0.03	0.00	0.54	36.08	27.18	0.28	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	100.23	0.57
16SUV014	Mount1_045	1_5_4	265	stream sediments	fayalite	olivine	0.25-0.5	35.72	0.00	0.00	0.00	0.56	38.74	25.31	0.22	0.00	0.00	0.00	0.04	0.03	0.00	0.00	0.00	100.63	0.54
16SUV014	Mount1_046	1_5_5	266	stream sediments	fayalite	olivine	0.25-0.5	35.64	0.00	0.00	0.00	0.58	38.46	25.31	0.27	0.00	0.00	0.00	0.05	0.03	0.00	0.03	0.00	100.37	0.54
16SUV016	Mount1_047	1_5_6	267	stream sediments	fayalite	olivine	0.25-0.5	36.65	0.00	0.02	0.00	0.46	33.61	29.41	0.30	0.00	0.00	0.00	0.09	0.04	0.00	0.02	0.00	100.60	0.61
16SUV016	Mount1_048	1_5_7	268	stream sediments	fayalite	olivine	0.25-0.5	37.67	0.00	0.00	0.00	0.40	27.02	34.58	0.30	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	100.10	0.70
16SUV016	Mount1_049	1_5_8	269	stream sediments	fayalite	olivine	0.25-0.5	35.59	0.00	0.00	0.00	0.56	39.19	25.00	0.25	0.00	0.00	0.00	0.08	0.04	0.00	0.00	0.00	100.70	0.53
16SUV016	Mount1_050	1_5_9	270	stream sediments	fayalite	olivine	0.25-0.5	36.60	0.02	0.00	0.00	0.50	33.61	29.23	0.29	0.00	0.00	0.00	0.08	0.03	0.00	0.00	0.00	100.35	0.61
16SUV016	Mount1_051	1_5_10	271	stream sediments	fayalite	olivine	0.25-0.5	36.84	0.03	0.00	0.00	0.39	32.38	30.42	0.13	0.00	0.00	0.00	0.14	0.03	0.00	0.00	0.00	100.36	0.63
16SUV016	Mount1_052	1_5_11	272	stream sediments	fayalite	olivine	0.25-0.5	36.29	0.00	0.00	0.00	0.49	34.73	28.48	0.29	0.00	0.00	0.00	0.07	0.03	0.00	0.00	0.00	100.37	0.59
16SUV016	Mount1_053	1_5_12	273	stream sediments	fayalite	olivine	0.25-0.5	35.74	0.02	0.02	0.00	0.55	38.25	25.61	0.24	0.04	0.00	0.00	0.00	0.05	0.03	0.00	0.00	100.56	0.54
15SUV001	2015_2	1_1	2-1_001	stream sediments	forsterite	olivine	0.25-0.5	39.77	0.00	0.03	0.00	0.21	12.96	45.38	0.20	0.00	0.00							98.55	0.86
15SUV001	2015_2	1_2	2-1_002	stream sediments	forsterite	olivine	0.25-0.5	40.31	0.00	0.05	0.08	0.15	10.98	47.16	0.23	0.00	0.00							98.96	0.88
15SUV008	2015_2	1_3	2-1_003	stream sediments	forsterite	olivine	0.25-0.5	39.31	0.00	0.02	0.00	0.29	16.61	42.65	0.30	0.00	0.00							99.18	0.82
15SUV008	2015_2	1_4	2-1_004	stream sediments	forsterite	olivine	0.25-0.5	38.92	0.00	0.04	0.00	0.31	19.96	39.95	0.31	0.00	0.00							99.49	0.78
15SUV008	2015_2	1_5	2-1_005	stream sediments	forsterite	olivine	0.25-0.5	39.39	0.00	0.04	0.00	0.31	16.99	42.26	0.31	0.00	0.00							99.30	0.82
15SUV008	2015_2	1_6	2-1_006	stream sediments	forsterite	olivine	0.25-0.5	38.79	0.00	0.03	0.04	0.30	20.20	39.91	0.30	0.00	0.00							99.57	0.78
15SUV008	2015_2	1_7	2-1_007	stream sediments	forsterite	olivine	0.25-0.5	40.65	0.00	0.04	0.04	0.21	12.09	46.09	0.38	0.00	0.00							99.50	0.87
15SUV008	2015_2	1_9	2-1_009	stream sediments	forsterite	olivine	0.25-0.5	39.33	0.00	0.02	0.03	0.23	16.48	42.84	0.29	0.00	0.00							99.22	0.82
15SUV009	2015_2	1_10	2-1_010	stream sediments	forsterite	olivine	0.25-0.5	40.25	0.00	0.06	0.08	0.16	10.99	47.19	0.27	0.00	0.00							99.00	0.88
15SUV020	2015_2	2_1	2-2_001	stream sediments	forsterite	olivine	0.25-0.5	37.63	0.00	0.02	0.00	0.35	26.72	34.43	0.20	0.00	0.00							99.35	0.70
15SUV020	2015_2	2_2	2-2_002	stream sediments	forsterite	olivine	0.25-0.5	36.29	0.00	0.00	0.00	0.45	34.28	28.71	0.24	0.00	0.00							99.97	0.60
15SUV020	2015_2	2_3	2-2_003	stream sediments	forsterite	olivine	0.25-0.5	40.86	0.00	0.06	0.06	0.12	8.94	48.99	0.14	0.00	0.00							99.17	0.91
15SUV020	2015_2	2_4	2-2_004	stream sediments	forsterite	olivine	0.25-0.5	39.86	0.00	0.04	0.08	0.20	12.52	45.74	0.29	0.00	0.00							98.73	0.87
15SUV025	2015_2	2_5	2-2_005	stream sediments	forsterite	olivine	0.25-0.5	39.50	0.00	0															

APPENDIX 6G

GEOLOGICAL SURVEY OF CANADA

Banks Island samples - EPMA chemistry: CLINOPYROXENE (CPX)

								WT %																	
GSC Sample #	Mount	Grain #	EPMA #	ODM Min ID	EPMA Min ID	Sample Material	Grain Size	SiO2	TiO2	Al2O3	Cr2O3	MnO	FeO	MgO	CaO	Na2O	K2O	Nb2O5	NiO	ZnO	V2O3	P2O5	Total	MAGNUM	
15SUV004	2015_3	1_3	3-1_003	low-Cr_DC	cpx	stream sediments	0.5-1.0	52.52	0.58	1.39	0.65	0.09	4.91	16.32	20.92	0.79	0.00							98.17	86
15SUV004	2015_3	1_4	3-1_004	low-Cr_DC	cpx	stream sediments	0.25-0.5	52.94	0.39	0.71	1.24	0.08	4.13	16.63	20.99	0.69	0.01							97.81	88
15SUV014	2015_3	1_1	3-1_001	Cr-diopside	cpx	stream sediments	0.25-0.5	52.91	0.13	3.27	0.62	0.07	2.53	16.52	21.23	0.98	0.00							98.26	92
15SUV018	2015_3	3_2	3-3_002	diopside	cpx	Beaufort Fm.	0.25-0.5	54.13	0.03	1.47	0.00	0.15	0.54	17.68	25.43	0.00	0.00							99.43	98
15SUV019	Mount3_036	3_3_7	162	low-Cr_DC	cpx	Beaufort Fm.	0.18-0.25	52.23	0.11	2.31	0.93	0.21	6.08	14.55	22.80	0.45	0.00	0.00	0.05	0.00	0.00	0.00	0.00	99.72	81
15SUV019	Mount3_037	3_3_9	163	low-Cr_DC	cpx	Beaufort Fm.	0.18-0.25	50.73	0.39	3.69	1.10	0.14	5.10	17.28	20.05	0.19	0.00	0.00	0.04	0.00	0.04	0.00	0.00	98.75	86
15SUV021	2015_3	1_5	3-1_005	low-Cr_DC	cpx	stream sediments	0.5-1.0	52.53	0.27	2.18	0.64	0.16	5.49	17.84	19.11	0.16	0.00							98.38	85
15SUV021	2015_3	1_6	3-1_006	low-Cr_DC	cpx	stream sediments	0.25-0.5	52.73	0.21	1.85	0.79	0.14	4.75	18.02	19.40	0.18	0.00							98.07	87
15SUV024	2015_3	1_2	3-1_002	Cr-diopside	cpx	stream sediments	0.25-0.5	53.09	0.09	1.60	0.60	0.16	3.90	15.56	22.91	0.53	0.00							98.44	88
15SUV027	2015_3	1_7	3-1_007	low-Cr_DC	cpx	stream sediments	0.25-0.5	53.09	0.03	1.29	0.33	0.21	5.46	15.32	21.85	0.46	0.00							98.04	83
15SUV028	2015_3	1_8	3-1_008	low-Cr_DC	cpx	Beaufort Fm.	0.25-0.5	52.69	0.28	1.90	0.65	0.17	5.43	18.45	18.39	0.15	0.00							98.11	86
15SUV028	2015_3	1_9	3-1_009	low-Cr_DC	cpx	Beaufort Fm.	0.25-0.5	50.46	0.43	3.66	1.08	0.17	5.68	16.79	19.15	0.21	0.00							97.63	84
15SUV028	Mount3_038	3_3_10	164	low-Cr_DC	cpx	Beaufort Fm.	0.18-0.25	50.73	0.44	3.89	1.05	0.13	5.26	17.12	20.31	0.20	0.00	0.00	0.04	0.00	0.04	0.03	0.00	99.23	85
15SUV028	Mount3_039	3_3_11	165	low-Cr_DC	cpx	Beaufort Fm.	0.18-0.25	50.91	0.18	3.60	1.28	0.12	4.18	17.00	21.25	0.17	0.00	0.00	0.03	0.00	0.00	0.00	0.00	98.71	88
15SUV032	2015_3	2_1	3-2_001	low-Cr_DC	cpx	stream sediments	0.25-0.5	49.93	0.37	4.48	0.80	0.14	5.86	15.80	19.86	0.20	0.00							97.44	83
15SUV032	2015_3	2_2	3-2_002	low-Cr_DC	cpx	stream sediments	0.25-0.5	51.00	0.34	3.50	1.24	0.13	4.92	16.71	20.07	0.19	0.00							98.10	86
15SUV032	2015_3	2_3	3-2_003	low-Cr_DC	cpx	stream sediments	0.25-0.5	50.58	0.35	3.52	1.06	0.14	5.22	16.79	19.50	0.20	0.00							97.36	85
15SUV032	2015_3	2_4	3-2_004	low-Cr_DC	cpx	stream sediments	0.25-0.5	51.38	0.30	2.82	1.04	0.15	5.20	17.33	19.28	0.20	0.00							97.70	86
15SUV032	2015_3	2_5	3-2_005	low-Cr_DC	cpx	stream sediments	0.25-0.5	52.20	0.23	2.15	0.94	0.13	4.50	17.49	20.27	0.17	0.00							98.08	87
15SUV032	2015_3	2_6	3-2_006	low-Cr_DC	cpx	stream sediments	0.25-0.5	51.52	0.31	2.90	1.10	0.13	5.14	16.95	19.71	0.18	0.00							97.94	85
15SUV032	2015_3	2_7	3-2_007	low-Cr_DC	cpx	stream sediments	0.25-0.5	50.66	0.41	3.67	0.95	0.14	5.15	16.40	20.08	0.18	0.00							97.64	85
15SUV032	2015_3	2_8	3-2_008	low-Cr_DC	cpx	stream sediments	0.25-0.5	51.24	0.37	3.43	0.95	0.14	5.26	17.42	19.00	0.18	0.00							97.99	86
15SUV032	2015_3	2_9	3-2_009	low-Cr_DC	cpx	stream sediments	0.25-0.5	51.02	0.37	3.52	1.08	0.14	5.19	16.59	19.78	0.20	0.00							97.89	85
15SUV052	2015_3	2_10	3-2_010	diopside	cpx	stream sediments	0.25-0.5	50.32	0.51	4.23	1.38	0.14	5.33	16.50	19.05	0.19	0.00							97.65	85
16SUV019	Mount1_054	1_6_1	274	diopside	cpx	till	0.25-0.5	55.39	0.03	0.61	0.00	0.03	0.70	17.81	25.91	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.53	98
16SUV019	Mount1_055	1_6_2	275	diopside	cpx	till	0.25-0.5	54.61	0.03	0.40	0.03	0.07	2.86	16.52	25.56	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.24	91

APPENDIX 6H

GEOLOGICAL SURVEY OF CANADA
Banks Island samples - EPMA chemistry: RUTILE

							WT %																
GSC Sample #	Mount	Grain #	EPMA #	ODM Min ID	EPMA Min ID	Grain Size	SiO2	TiO2	Al2O3	Cr2O3	MnO	FeO	MgO	CaO	Na2O	K2O	Nb2O5	NiO	ZnO	V2O3	P2O5	Total	
155UV018	2015_4	4_8_1	4-8-A_001	red rutile	rutile	0.25-0.5	0.00	97.59	0.00	0.93	0.00	0.36	0.00	0.01	0.00	0.00						98.89	
155UV018_rpt	2015_4	4_8_1_rpt	4-8-B_001	red rutile	rutile	0.25-0.5	0.00	97.60	0.00	0.88	0.00	0.32	0.00	0.00	0.00	0.00						98.80	
155UV028_rpt	2015_4	4_8_2_rpt	4-8-A_002	red rutile	rutile	0.25-0.5	0.00	98.20	0.05	0.00	0.00	0.70	0.00	0.00	0.00	0.00						98.95	
155UV028	2015_4	4_8_2	4-8-B_002	red rutile	rutile	0.25-0.5	0.00	98.49	0.02	0.00	0.00	0.69	0.00	0.00	0.00	0.00						99.20	
155UV028_rpt	2015_4	4_8_3_rpt	4-8-A_003	red rutile	rutile	0.25-0.5	0.00	97.58	0.03	0.21	0.00	0.18	0.00	0.01	0.00	0.00						98.01	
155UV028	2015_4	4_8_3	4-8-B_003	red rutile	rutile	0.25-0.5	0.00	98.13	0.03	0.22	0.00	0.17	0.00	0.01	0.00	0.00						98.56	
155UV030	2015_4	4_8_4	4-8-A_004	red rutile	rutile	0.25-0.5	0.00	98.77	0.02	0.11	0.00	0.29	0.00	0.01	0.00	0.00						99.20	
155UV030_rpt	2015_4	4_8_4_rpt	4-8-B_004	red rutile	rutile	0.25-0.5	0.00	98.73	0.00	0.26	0.00	0.23	0.00	0.00	0.00	0.00						99.22	
155UV030_rpt	2015_4	4_8_5_rpt	4-8-A_005	red rutile	rutile	0.25-0.5	0.00	98.65	0.02	0.13	0.00	0.15	0.00	0.01	0.00	0.00						98.96	
155UV030	2015_4	4_8_5	4-8-B_005	red rutile	rutile	0.25-0.5	0.00	98.89	0.04	0.13	0.00	0.14	0.00	0.00	0.00	0.00						99.20	
155UV030	2015_4	4_8_6	4-8-A_006	red rutile	rutile	0.25-0.5	0.00	98.39	0.03	0.10	0.00	0.30	0.00	0.00	0.00	0.00						98.82	
155UV030_rpt	2015_4	4_8_6_rpt	4-8-B_006	red rutile	rutile	0.25-0.5	0.00	98.45	0.02	0.15	0.00	0.31	0.00	0.00	0.00	0.00						98.93	
155UV030_rpt	2015_4	4_8_7_rpt	4-8-A_007	red rutile	rutile	0.25-0.5	0.00	98.09	0.03	0.07	0.00	0.34	0.00	0.00	0.00	0.00						98.53	
155UV030	2015_4	4_8_7	4-8-B_007	red rutile	rutile	0.25-0.5	0.00	98.23	0.00	0.08	0.00	0.42	0.00	0.00	0.00	0.00						98.73	
155UV030_rpt	2015_4	4_8_8_rpt	4-8-A_008	red rutile	rutile	0.25-0.5	0.00	97.87	0.00	0.55	0.00	0.03	0.00	0.00	0.00	0.00						98.45	
155UV030	2015_4	4_8_8	4-8-B_008	red rutile	rutile	0.25-0.5	0.00	97.94	0.00	0.56	0.00	0.02	0.00	0.00	0.00	0.00						98.52	
155UV030	2015_4	4_8_9	4-8-A_009	red rutile	rutile	0.25-0.5	0.00	98.61	0.03	0.15	0.00	0.07	0.00	0.00	0.00	0.00						98.86	
155UV030_rpt	2015_4	4_8_9_rpt	4-8-B_009	red rutile	rutile	0.25-0.5	0.00	98.60	0.00	0.16	0.00	0.06	0.00	0.00	0.00	0.00						98.82	
155UV030	2015_4	4_8_10	4-8-A_010	red rutile	rutile	0.25-0.5	0.00	98.82	0.05	0.06	0.00	0.29	0.00	0.00	0.00	0.00						99.22	
155UV030_rpt	2015_4	4_8_10_rpt	4-8-B_010	red rutile	rutile	0.25-0.5	0.00	98.64	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00						98.92	
155UV030	2015_4	4_8_11	4-8-A_011	red rutile	rutile	0.25-0.5	0.00	97.00	0.00	0.23	0.00	0.72	0.00	0.00	0.00	0.00						97.95	
155UV030_rpt	2015_4	4_8_11_rpt	4-8-B_011	red rutile	rutile	0.25-0.5	0.00	96.95	0.02	0.22	0.00	0.71	0.00	0.00	0.00	0.00						97.90	
155UV030	2015_4	4_8_12	4-8-A_012	red rutile	rutile	0.25-0.5	0.00	98.08	0.00	0.38	0.00	0.04	0.00	0.01	0.00	0.01						98.52	
155UV030_rpt	2015_4	4_8_12_rpt	4-8-B_012	red rutile	rutile	0.25-0.5	0.00	97.88	0.00	0.38	0.00	0.06	0.00	0.00	0.00	0.00						98.32	
155UV030_rpt	2015_4	4_8_13_rpt	4-8-A_013	red rutile	rutile	0.25-0.5	0.00	98.19	0.00	0.05	0.00	0.63	0.00	0.00	0.00	0.00						98.87	
155UV030	2015_4	4_8_13	4-8-B_013	red rutile	rutile	0.25-0.5	0.00	98.23	0.00	0.08	0.00	0.67	0.00	0.00	0.00	0.00						98.98	
165UV013	2016_2	2_1_1	327	red rutile	rutile	0.25-0.5	0.04	98.85	0.02	0.30	0.00	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.22	0.00	100.56
165UV013	2016_2	2_1_2	328	red rutile	rutile	0.25-0.5	0.00	99.95	0.00	0.10	0.00	0.05	0.00	0.00	0.00	0.01	0.04	0.02	0.00	0.19	0.00	100.37	
165UV013	2016_2	2_1_3	329	red rutile	rutile	0.25-0.5	0.00	99.95	0.02	0.18	0.00	0.17	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.28	0.00	100.81	
165UV013	2016_2	2_1_4	330	red rutile	rutile	0.25-0.5	0.00	99.99	0.03	0.05	0.00	0.18	0.00	0.01	0.00	0.00	0.18	0.00	0.00	0.33	0.00	100.77	
165UV013	2016_2	2_1_5	331	red rutile	rutile	0.25-0.5	0.00	100.33	0.02	0.13	0.00	0.11	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.34	0.00	101.00	
165UV013	2016_2	2_1_6	332	red rutile	rutile	0.25-0.5	0.00	99.91	0.02	0.24	0.00	0.03	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.36	0.00	100.74	
165UV013	2016_2	2_1_7	333	red rutile	rutile	0.25-0.5	0.00	100.08	0.04	0.00	0.00	0.15	0.02	0.00	0.00	0.00	0.23	0.00	0.00	0.19	0.00	100.71	
165UV013	2016_2	2_1_8	334	red rutile	rutile	0.25-0.5	0.00	99.81	0.05	0.15	0.00	0.17	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.21	0.00	100.75	
165UV022	2016_2	2_1_9	335	red rutile	rutile	0.25-0.5	0.02	99.26	0.05	0.07	0.00	0.15	0.00	0.00	0.05	0.02	0.54	0.00	0.00	0.37	0.00	100.52	
165UV022	2016_2	2_1_10	336	red rutile	rutile	0.25-0.5	0.00	98.81	0.00	0.21	0.00	0.08	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.61	0.00	99.98	
165UV022	2016_2	2_1_11	337	red rutile	rutile	0.25-0.5	0.00	99.18	0.04	0.10	0.00	0.25	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.47	0.00	100.29	
165UV022	2016_2	2_1_12	338	red rutile	rutile	0.25-0.5	0.00	99.00	0.00	0.16	0.00	0.03	0.00	0.02	0.00	0.00	0.17	0.00	0.00	0.82	0.00	100.20	
165UV023	2016_2	2_2_1	339	red rutile	rutile	0.25-0.5	0.00	99.77	0.02	0.10	0.00	0.23	0.00	0.01	0.03	0.00	0.16	0.00	0.00	0.25	0.00	100.57	
165UV023	2016_2	2_2_2	340	red rutile	rutile	0.25-0.5	0.00	99.52	0.00	0.47	0.00	0.05	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.33	0.00	100.58	
165UV023	2016_2	2_2_3	341	red rutile	rutile	0.25-0.5	0.02	99.21	0.05	0.12	0.00	0.36	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.32	0.00	100.43	
165UV023	2016_2	2_2_4	342	red rutile	rutile	0.25-0.5	0.00	99.30	0.04	0.08	0.00	0.32	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.40	0.00	100.43	
165UV023	2016_2	2_2_5	343	red rutile	rutile	0.25-0.5	0.00	99.84	0.02	0.08	0.00	0.19	0.00	0.10	0.00	0.00	0.15	0.00	0.00	0.43	0.00	100.81	
165UV024	2016_2	2_2_6	344	red rutile	rutile	0.25-0.5	0.00	98.28	0.00	1.26	0.00	0.16	0.00	0.00	0.00	0.01	0.30	0.00	0.00	0.20	0.00	100.20	
165UV024	2016_2	2_2_7	345	red rutile	rutile	0.25-0.5	0.00	99.25	0.02	0.69	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	100.33	
165UV024	2016_2	2_2_8	346	red rutile	rutile	0.25-0.5	0.00	99.96	0.00	0.46	0.00	0.03	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.26	0.00	100.84	
165UV024	2016_2	2_2_9	347	red rutile	rutile	0.25-0.5	0.00	99.11	0.03	0.27	0.00	0.13	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.30	0.00	99.95	
165UV024	2016_2	2_2_10	348	red rutile	rutile	0.25-0.5	0.00	99.42	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.11	0.00	99.94	
165UV014	Mount1_079	1_8_4	299	ilmenite, crustal	pseudorutile	0.25-0.5	0.60	57.12	0.53	0.12	0.69	30.34	1.79	0.02	0.03	0.01	0.00	0.00	0.00	0.74	0.04	92.01	
165UV014	Mount1_085	1_8_10	305	ilmenite, crustal	pseudorutile	0.25-0.5	0.39	57.72	0.29</														

APPENDIX 6I

GEOLOGICAL SURVEY OF CANADA
Banks Island samples - EPMA chemistry: VESUVIANITE

							WT %															
GSC Sample #	Mount	Grain #	EPMA Sample #	ODM Min ID	EPMA Min ID	Grain Size	SiO2	TiO2	Al2O3	Cr2O3	MnO	FeO	MgO	CaO	Na2O	K2O	Nb2O5	NiO	ZnO	V2O3	P2O5	Total
15SUV001	Mount2_081	2_8_1	185	vesuvianite	garnet	0.25-0.5	39.73	0.29	18.94	0.00	0.14	4.17	0.84	36.76	0.00	0.00	0.00	0.00	0.00	0.00	0.04	100.91
15SUV001	Mount2_082	2_8_2	186	vesuvianite	garnet	0.25-0.5	39.60	0.52	18.06	0.00	0.20	5.05	0.77	36.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.75
15SUV001	Mount2_083	2_8_3	187	vesuvianite	vesuvianite	0.25-0.5	37.12	0.70	17.13	0.00	0.02	1.51	3.99	36.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.96
15SUV001	Mount2_084	2_8_4	188	vesuvianite	garnet	0.25-0.5	39.08	0.34	16.52	0.00	0.10	7.27	0.57	36.08	0.00	0.00	0.00	0.00	0.00	0.04	0.00	100.00
15SUV001	Mount2_085	2_8_5	189	vesuvianite	garnet	0.25-0.5	39.60	0.35	18.85	0.00	0.08	4.27	0.63	36.48	0.00	0.00	0.00	0.00	0.00	0.03	0.00	100.28
15SUV001	Mount2_086	2_8_6	190	vesuvianite	garnet	0.25-0.5	39.34	0.04	17.80	0.00	0.27	6.03	0.71	35.94	0.02	0.00	0.00	0.00	0.00	0.00	0.03	100.17
15SVU002	Mount2_087	2_8_8	191	vesuvianite	garnet	0.5-1.0	38.76	0.24	13.97	0.00	0.12	10.00	0.60	35.94	0.02	0.01	0.00	0.00	0.00	0.09	0.05	99.79
15SVU002	Mount2_088	2_8_9	192	vesuvianite	garnet	0.5-1.0	38.10	2.14	15.05	0.05	0.06	7.42	0.80	36.32	0.02	0.00	0.00	0.00	0.00	0.04	0.00	99.98
15SVU002	Mount2_089	2_8_10	193	vesuvianite	garnet	0.5-1.0	39.31	0.78	17.33	0.00	0.05	5.55	0.83	36.43	0.00	0.01	0.00	0.00	0.00	0.04	0.04	100.35
15SVU002	Mount2_090	2_8_11	194	vesuvianite	garnet	0.5-1.0	39.25	0.67	16.68	0.00	0.03	6.10	0.81	36.80	0.02	0.01	0.00	0.00	0.00	0.00	0.04	100.42
15SVU002rpt	Mount2_090rim	2_8_11	195	vesuvianite	andradite	0.5-1.0	35.19	0.07	2.64	0.00	0.07	23.79	0.60	34.61	0.00	0.00	0.00	0.00	0.00	0.00	0.04	97.02
15SUV003	Mount2_091	2_9_1	196	vesuvianite	garnet	0.25-0.5	39.41	0.22	17.14	0.00	0.06	6.16	0.65	36.84	0.00	0.00	0.00	0.00	0.00	0.03	0.04	100.54
15SUV003rpt	Mount2_092	2_9_1	197	vesuvianite	garnet	0.25-0.5	39.15	0.09	17.33	0.00	0.04	6.06	0.62	36.52	0.00	0.00	0.00	0.00	0.00	0.00	0.03	99.83
15SUV003	Mount2_093	2_9_2	198	vesuvianite	garnet	0.25-0.5	39.72	0.19	19.19	0.00	0.11	3.90	0.81	36.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.35
15SUV003	Mount2_094	2_9_3	199	vesuvianite	garnet	0.25-0.5	38.71	1.40	15.92	0.00	0.14	6.90	0.70	36.25	0.03	0.00	0.00	0.00	0.00	0.05	0.00	100.09
15SUV003	Mount2_095	2_9_4	200	vesuvianite	garnet	0.25-0.5	39.19	0.13	17.16	0.00	0.12	6.66	0.74	36.00	0.00	0.01	0.00	0.00	0.00	0.04	0.00	100.04
15SUV003	Mount2_096	2_9_5	201	vesuvianite	garnet	0.25-0.5	39.00	0.72	16.67	0.00	0.05	6.17	0.63	36.60	0.00	0.01	0.00	0.00	0.00	0.04	0.04	99.92
15SUV005	Mount2_097	2_9_6	202	vesuvianite	garnet	0.25-0.5	40.00	0.33	21.82	0.00	0.08	0.54	0.56	37.14	0.02	0.00	0.00	0.00	0.00	0.53	0.00	101.03
15SUV010	Mount2_098	2_9_7	203	vesuvianite	garnet	0.5-1.0	39.76	0.19	20.65	0.00	0.09	2.52	0.19	36.99	0.02	0.01	0.00	0.00	0.00	0.00	0.00	100.42
15SUV010	Mount2_099	2_9_8	204	vesuvianite	garnet	0.5-1.0	39.04	0.32	16.69	0.00	0.11	6.91	0.58	36.27	0.00	0.01	0.00	0.00	0.00	0.00	0.03	99.96
15SUV010rpt	Mount2_100	2_9_8	205	vesuvianite	andradite	0.5-1.0	37.56	0.75	9.50	0.03	0.05	15.32	0.44	35.34	0.00	0.00	0.00	0.00	0.00	0.04	0.04	99.07
15SUV010	Mount2_101	2_9_9	206	vesuvianite	garnet	0.5-1.0	39.88	0.25	20.04	0.03	0.07	2.88	0.73	37.09	0.00	0.01	0.00	0.00	0.00	0.04	0.00	101.01
15SUV010	Mount2_102	2_9_10	207	vesuvianite	garnet	0.5-1.0	38.89	0.49	15.95	0.04	0.10	7.66	0.71	36.21	0.00	0.00	0.00	0.00	0.00	0.07	0.00	100.13
15SUV010	Mount2_103	2_9_11	208	vesuvianite	garnet	0.5-1.0	38.83	1.17	16.60	0.00	0.12	5.98	0.86	36.28	0.00	0.00	0.00	0.00	0.00	0.07	0.00	99.91
15SUV010	Mount2_104	2_9_12	209	vesuvianite	garnet	0.25-0.5	38.99	0.06	15.15	0.00	0.03	8.98	0.45	36.47	0.00	0.01	0.00	0.00	0.00	0.03	0.00	100.17
15SUV010	Mount2_105	2_9_13	210	vesuvianite	andradite	0.25-0.5	35.99	0.00	2.67	0.04	0.00	24.61	0.24	34.55	0.00	0.00	0.00	0.00	0.00	0.00	0.03	98.13
15SUV014	Mount2_106	2_9_14	211	vesuvianite	garnet	0.25-0.5	39.49	0.24	18.00	0.00	0.06	5.42	0.60	36.65	0.02	0.00	0.00	0.00	0.00	0.00	0.00	100.49
15SUV015	Mount2_107	2_10_1	212	vesuvianite	vesuvianite	0.25-0.5	37.19	0.00	17.33	0.00	0.00	2.82	2.38	36.27	0.04	0.01	0.00	0.15	0.00	0.00	0.03	96.22
15SUV021	Mount2_108	2_10_2	213	vesuvianite	andradite	0.25-0.5	35.03	0.00	0.00	0.00	0.03	28.13	0.08	33.96	0.00	0.00	0.00	0.03	0.00	0.00	0.00	97.27
15SUV021rpt	Mount2_109	2_10_2	214	vesuvianite	garnet	0.25-0.5	37.03	1.09	14.43	0.06	0.18	9.14	0.14	36.11	0.00	0.00	0.00	0.02	0.00	0.00	0.00	98.20
15SUV024	Mount2_110	2_10_3	215	vesuvianite	garnet	0.25-0.5	38.65	0.39	13.91	0.00	0.07	10.04	0.56	36.11	0.00	0.00	0.00	0.00	0.00	0.03	0.03	99.78
15SUV024	Mount2_111	2_10_4	216	vesuvianite	andradite	0.25-0.5	36.63	0.00	8.42	0.00	0.04	17.71	0.11	35.71	0.00	0.00	0.00	0.00	0.00	0.06	0.00	98.67
15SUV024rpt	Mount2_112	2_10_4	217	vesuvianite	garnet	0.25-0.5	38.93	0.03	16.37	0.00	0.06	7.85	0.09	36.47	0.02	0.01	0.00	0.00	0.00	0.08	0.00	99.92
15SUV024	Mount2_113	2_10_5	218	vesuvianite	garnet	0.25-0.5	40.13	0.60	15.48	0.00	0.09	6.81	1.88	35.54	0.02	0.00	0.00	0.00	0.00	0.04	0.03	100.63
15SUV024	Mount2_114	2_10_6	219	vesuvianite	talcl?	0.25-0.5	40.12	0.02	0.39	0.00	0.10	1.90	25.81	0.05	0.06	0.04	0.00	0.00	0.00	0.00	0.05	68.55
15SUV024rpt	Mount2_115	2_10_6	220	vesuvianite	vesuvianite	0.25-0.5	36.93	0.08	16.75	0.00	0.02	2.42	4.00	36.30	0.02	0.01	0.00	0.00	0.00	0.00	0.00	96.52
15SUV026	Mount2_116	2_10_7	221	vesuvianite	garnet	0.5-1.0	39.25	0.22	17.25	0.00	0.26	6.20	1.05	35.93	0.00	0.00	0.00	0.00	0.00	0.05	0.03	100.23
15SUV027	Mount2_117	2_10_8	222	vesuvianite	garnet	0.5-1.0	37.77	1.09	12.57	0.00	0.10	11.32	0.64	35.99	0.00	0.00	0.00	0.00	0.00	0.04	0.03	99.55
15SUV050	Mount2_118	2_10_9	223	vesuvianite	garnet	0.25-0.5	39.71	0.10	19.78	0.04	0.04	4.10	0.25	36.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.50
15SUV050	Mount2_119	2_10_10	224	vesuvianite	vesuvianite	0.25-0.5	32.38	0.11	21.11	0.00	0.12	2.23	0.36	38.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.91
15SUV050rpt	Mount2_120	2_10_10	225	vesuvianite	vesuvianite	0.25-0.5	31.83	0.00	21.40	0.00	0.18	1.62	0.64	38.09	0.00	0.19	0.00	0.00	0.00	0.00	0.00	93.96
15SUV050	Mount2_121	2_10_11	226	vesuvianite	garnet	0.25-0.5	38.46	0.40	20.83	0.00	0.28	2.35	0.10	37.50	0.00	0.01	0.00	0.00	0.00	0.00	0.02	99.96
15SUV050rpt	Mount2_122	2_10_11	227	vesuvianite	garnet	0.25-0.5	38.55	0.82	17.34	0.00	0.07	5.70	0.17	36.69	0.02	0.01	0.00	0.00	0.00	0.05	0.00	99.43
15SUV050rpt	Mount2_123	2_10_11	228	vesuvianite	K-feldspar	0.25-0.5	63.04	0.00	18.48	0.00	0.00	0.04	0.00	0.69	0.17	17.44	0.00	0.00	0.00	0.00	0.00	99.85
15SUV050	Mount2_124	2_10_12	229	vesuvianite	garnet	0.25-0.5	39.07	0.37	16.31	0.00	0.05	6.85	0.66	36.38	0.00	0.00	0.00	0.00	0.00	0.04	0.04	99.78
16SUV013	Mount2_125	2_10_13	230	vesuvianite	garnet	0.25-0.5	39.43	0.34	18.81	0.00	0.17	4.23	0.63	36.49	0.02	0.01	0.00	0.00	0.00	0.06	0.04	100.23
16SUV013rpt	Mount2_126	2_10_13	231	vesuvianite	clinopyroxene	0.25-0.5	53.11	0.21	1.05	0.00	0.07	3.84	15.70	25.57	0.22	0.01	0.00	0.00	0.00	0.00	0.12	99.90
16SUV013	Mount2_127	2_10_14	232	vesuvianite	vesuvianite	0.25-0.5	36.39	0.60	17.68	0.00	0.00	0.20	3.89	37.09	0.02	0.01	0.00	0.00	0.00	0.04	0.03	95.94

APPENDIX 6J

GEOLOGICAL SURVEY OF CANADA

Banks Island samples - EPMA chemistry: VESUVIANITE

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