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	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	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	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	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	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	100.24	91