

APPENDIX 6J

GEOLOGICAL SURVEY OF CANADA

Banks Island samples - EPMA chemistry: VESUVIANITE

GSC Sample #	Mount	Grain #	EPMA #	ODM Min ID	EPMA Min ID	Grain Size	WT %														Total				
							SiO2	TiO2	Al2O3	Cr2O3	MnO	FeO	MgO	CaO	Na2O	K2O	Nb2O5	NiO	ZnO	V2O3		P2O5			
15SUV051	2015_1	3_5	1-3_005-FeAlSi	andradite	tourmaline	0.25-0.5	34.30	0.34	34.29	0.00	0.24	12.73	1.66	0.09	1.82	0.04									85.51
15SUV020	2015_2	4_4	2-4_004_siderite	fayalite	siderite	0.25-0.5	0.04	0.00	0.04	0.00	1.24	46.63	8.69	1.35	0.00	0.00									57.99
15SUV030	2015_5	5_9	5-5_009A	chromite, euhedral	tourmaline	0.25-0.5	34.49	0.77	31.07	0.00	0.06	11.27	5.09	0.85	1.97	0.07									85.64
15SUV030_rpt	2015_5	5_9_rpt	5-5_009B	chromite, euhedral	tourmaline	0.25-0.5	34.39	0.88	31.06	0.00	0.07	11.10	4.95	0.83	1.94	0.07									85.29
15SUV009	2015_6	6_1a_?	6-6-1A_titanite	chromite	titanite	0.25-0.5	30.84	37.38	0.48	0.00	0.00	0.94	0.00	27.85	0.00	0.00									97.49
16SUV018	Mount1_066	1_7_1	286	hercynite	chlorite?	0.25-0.5	34.21	0.16	34.22	0.00	0.17	12.51	2.02	0.12	1.82	0.04	0.00	0.00	0.05	0.00	0.06				85.39
16SUV023	Mount2_037	2_4_5	141	chromite	chlorite?	0.25-0.5	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	0.00				86.65
16SUV028	Mount2_072	2_7_5	176	chromite	chlorite?	0.25-0.5	33.89	0.60	32.99	0.00	0.10	14.12	1.41	0.20	2.08	0.06	0.00	0.00	0.05	0.00	0.00				85.49
15SUV019	Mount3_032	3_3_3	158	apatite	apatite	0.18-0.25	0.28	0.00	0.00	0.00	0.04	0.06	0.00	55.98	0.03	0.00	0.00	0.00	0.00	0.00	0.00	41.15			97.53