

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	stream sediments	2015_4	2_5	4-2_005	ilmenite	ilmenite	0.25-0																	

15SUUV024	stream sediments	2015_4	6_5	4-6_005	ilmenite, crustal	ilmenite	0.25-0.5	0.00	49.66	0.00	0.00	0.57	47.28	0.27	0.01	0.00	0.00	97.79	non-kimberlitic						
15SUUV024	stream sediments	2015_4	6_6	4-6_006	ilmenite, crustal	ilmenite	0.25-0.5	0.07	53.55	0.11	0.00	2.96	33.31	0.00	0.02	0.00	0.00	90.02	non-kimberlitic						
15SUUV024	stream sediments	2015_4	6_7	4-6_007	ilmenite, crustal	ilmenite	0.25-0.5	0.13	58.69	0.16	0.06	0.30	30.62	0.85	0.02	0.00	0.01	90.84	non-kimberlitic						
15SUUV024	stream sediments	2015_4	6_8	4-6_008	ilmenite, crustal	ilmenite	0.25-0.5	0.10	54.69	0.15	0.00	1.40	34.87	0.14	0.04	0.05	0.01	91.45	non-kimberlitic						
15SUUV026	stream sediments	2015_4	7_6	4-7_006	ilmenite, crustal	ilmenite	0.5-1.0	0.00	50.75	0.00	0.08	0.32	45.64	1.29	0.01	0.00	0.00	98.09	non-kimberlitic						
15SUUV026	stream sediments	2015_4	7_7	4-7_007	ilmenite, crustal	ilmenite	0.25-0.5	0.00	44.71	0.00	0.00	0.48	51.41	0.17	0.00	0.00	0.00	96.77	non-kimberlitic						
15SUUV030	Beaufort Fm.	2015_4	7_8	4-7-8B	ilmenite, crustal	ilmenite	0.5-1.0	0.03	50.50	0.47	0.32	0.29	35.59	10.12	0.02	0.00	0.00	97.34	kimberlitic						
15SUUV030_rpt	Beaufort Fm.	2015_4	7_8_rpt	4-7_008A	ilmenite, crustal	ilmenite	0.5-1.0	0.00	50.50	0.47	0.33	0.29	35.53	9.98	0.01	0.00	0.00	97.11	kimberlitic						
15SUUV033	stream sediments	2015_4	7_9	4-7-9	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.37	0.05	0.07	0.38	48.06	0.36	0.00	0.00	0.00	97.29	non-kimberlitic						
15SUUV051	stream sediments	2015_4	2_7	4-2_007	ilmenite	ilmenite	0.25-0.5	0.00	50.00	0.57	0.78	0.25	33.52	11.69	0.02	0.04	0.00	96.87	kimberlitic						
15SVU025	stream sediments	2015_4	7_1	4-7_001	ilmenite, crustal	ilmenite	0.5-1.0	0.00	48.03	0.02	0.15	0.52	48.42	0.66	0.00	0.00	0.00	97.80	non-kimberlitic						
15SVU025	stream sediments	2015_4	7_2	4-7_002	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.93	0.02	0.00	1.94	46.27	1.08	0.00	0.00	0.00	98.24	non-kimberlitic						
15SVU025	stream sediments	2015_4	7_3	4-7_003	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.59	0.00	0.00	5.12	44.17	0.00	0.00	0.00	0.00	97.88	non-kimberlitic						
15SVU025	stream sediments	2015_4	7_4	4-7_004	ilmenite, crustal	ilmenite	0.25-0.5	0.00	49.65	0.00	0.00	1.44	46.75	0.11	0.00	0.00	0.00	97.95	non-kimberlitic						
15SVU025	stream sediments	2015_4	7_5	4-7_005	ilmenite, crustal	ilmenite	0.25-0.5	0.00	49.93	0.13	0.00	0.50	45.24	0.59	0.00	0.00	0.00	96.39	non-kimberlitic						
16SUV014	stream sediments	Mount1_076	1_8_1	296	ilmenite, crustal	ilmenite	0.5-1.0	0.04	48.30	0.05	0.00	0.48	48.35	0.50	0.00	0.00	0.06	0.00	0.00	0.12	0.00	97.91	non-kimberlitic		
16SUV014	stream sediments	Mount1_077	1_8_2	297	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.51	0.03	0.00	0.86	47.81	0.27	0.00	0.00	0.07	0.00	0.00	0.22	0.00	97.77	non-kimberlitic		
16SUV014	stream sediments	Mount1_078	1_8_3	298	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.60	0.06	0.00	0.52	48.29	0.28	0.00	0.00	0.00	0.00	0.00	0.41	0.00	98.17	non-kimberlitic		
16SUV014	stream sediments	Mount1_080	1_8_5	300	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.53	0.07	0.03	0.43	48.14	0.30	0.00	0.03	0.00	0.00	0.00	0.00	0.19	0.00	97.72	non-kimberlitic	
16SUV014	stream sediments	Mount1_081	1_8_6	301	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.78	0.04	0.00	0.51	48.39	0.36	0.00	0.00	0.00	0.07	0.00	0.00	0.22	0.00	98.37	non-kimberlitic	
16SUV014	stream sediments	Mount1_082	1_8_7	302	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.52	0.03	0.00	0.74	48.25	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.00	98.42	non-kimberlitic	
16SUV014	stream sediments	Mount1_083	1_8_8	303	ilmenite, crustal	ilmenite	0.25-0.5	0.00	49.07	0.00	0.00	0.94	47.82	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	98.34	non-kimberlitic	
16SUV014	stream sediments	Mount1_084	1_8_9	304	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.56	0.03	0.00	0.94	47.78	0.23	0.00	0.00	0.00	0.05	0.00	0.00	0.59	0.00	98.19	non-kimberlitic	
16SUV014	stream sediments	Mount1_086	1_8_11	306	ilmenite, crustal	ilmenite	0.25-0.5	0.00	46.85	0.00	0.00	0.79	49.60	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	97.54	non-kimberlitic	
16SUV014	stream sediments	Mount1_087	1_8_12	307	ilmenite, crustal	ilmenite	0.25-0.5	0.00	50.96	0.00	0.00	1.64	45.68	0.28	0.00	0.00	0.07	0.00	0.04	0.06	0.03	0.78	0.00	98.77	non-kimberlitic
16SUV023	Beaufort Fm.	Mount1_088	1_8_13	308	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.35	0.00	0.00	3.10	46.41	0.30	0.00	0.00	0.00	0.04	0.00	0.00	0.07	0.00	98.27	non-kimberlitic	
16SUV023	Beaufort Fm.	Mount3_041	3_4_2	167	ilmenite	ilmenite	0.18-0.25	0.03	50.58	0.77	3.02	0.23	29.51	13.48	0.02	0.00	0.00	0.20	0.19	0.00	0.20	0.00	98.21	kimberlitic	
16SUV023	Beaufort Fm.	Mount3_042	3_4_3	168	ilmenite	ilmenite	0.18-0.25	0.00	50.70	0.58	2.81	0.28	30.29	13.14	0.02	0.00	0.00	0.20	0.13	0.00	0.25	0.00	98.41	kimberlitic	
16SUV023	Beaufort Fm.	Mount3_043	3_4_4	169	ilmenite	ilmenite	0.18-0.25	0.00	50.32	0.44	2.83	0.30	31.21	12.70	0.02	0.00	0.00	0.26	0.14	0.00	0.21	0.00	98.42	kimberlitic	
16SUV023	Beaufort Fm.	Mount3_044	3_4_5	170	ilmenite	ilmenite	0.18-0.25	0.03	50.21	0.59	1.70	0.27	33.37	11.72	0.02	0.00	0.00	0.25	0.11	0.00	0.23	0.00	98.49	kimberlitic	
16SUV023	Beaufort Fm.	Mount3_045	3_4_6	171	ilmenite	ilmenite	0.18-0.25	0.02	50.86	0.57	2.74	0.27	30.17	13.22	0.02	0.00	0.00	0.17	0.16	0.03	0.25	0.00	98.47	kimberlitic	
16SUV023	Beaufort Fm.	Mount3_046	3_4_7	172	ilmenite	ilmenite	0.18-0.25	0.02	49.82	0.61	1.86	0.27	33.00	11.88	0.02	0.00	0.00	0.21	0.10	0.00	0.16	0.00	97.95	kimberlitic	
16SUV023	Beaufort Fm.	Mount3_047	3_4_8	173	ilmenite	ilmenite	0.18-0.25	0.00	47.92	0.04	0.00	0.64	48.58	0.57	0.00	0.00	0.00	0.06	0.00	0.00	0.10	0.00	97.92	non-kimberlitic	
16SUV023	Beaufort Fm.	Mount3_048	3_4_9	174	ilmenite	ilmenite	0.18-0.25	0.03	51.34	0.53	1.54	0.30	30.58	13.13	0.02	0.00	0.00	0.21	0.11	0.00	0.26	0.00	98.05	kimberlitic	
16SUV023	Beaufort Fm.	Mount3_050	3_4_11	176	ilmenite	ilmenite	0.18-0.25	0.02	50.63	0.56	2.69	0.29	30.38	13.08	0.02	0.00	0.00	0.21	0.15	0.00	0.29	0.00	98.33	kimberlitic	
16SUV023	Beaufort Fm.	Mount3_051	3_4_12	177	ilmenite	ilmenite	0.18-0.25	0.00	46.86	0.07	0.00	0.42	49.03	0.94	0.01	0.00	0.00	0.00	0.06	0.00	0.22	0.00	97.61	non-kimberlitic	
16SUV023	Beaufort Fm.	Mount3_052	3_4_13	178	ilmenite	ilmenite	0.18-0.25	0.02	50.06	0.60	1.63	0.27	33.10	11.95	0.02	0.00	0.00	0.17	0.11	0.00	0.26	0.00	98.20	kimberlitic	
16SUV023	Beaufort Fm.	Mount3_053	3_4_14	179	ilmenite	ilmenite	0.18-0.25	0.00	50.87	0.58	1.43	0.29	32.11	12.61	0.02	0.00	0.00	0.21	0.08	0.00	0.23	0.00	98.41	kimberlitic	
16SUV023	Beaufort Fm.	Mount3_054	3_4_15	180	ilmenite	ilmenite	0.18-0.25	0.00	46.09	0.26	1.61	0.29	39.47	9.29	0.02	0.00	0.00	0.45	0.07	0.04	0.27	0.00	97.85	kimberlitic	
16SUV027	stream sediments	Mount1_090r	1_9_1	427	ilmenite, crustal	ilmenite	0.25-0.5	0.03	49.96	0.00	0.00	0.57	46.30	0.55	0.00	0.00	0.00	0.04	0.03	0.03	0.16	0.00	97.67	non-kimberlitic	
16SUV027	stream sediments	Mount1_091	1_9_2	311	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.69	0.04	0.00	0.94	47.49	0.32	0.00	0.00	0.00	0.00	0.00	0.45	0.00	97.93	non-kimberlitic		
16SUV027	stream sediments	Mount1_092	1_9_3	312	ilmenite, crustal	ilmenite	0.25-0.5	0.00	49.54	0.00	0.09	0.40	45.40	2.11	0.00	0.00	0.00	0.00	0.00	0.37	0.00	97.91	non-kimberlitic		
16SUV027	stream sediments	Mount1_093	1_9_4	313	ilmenite, crustal	ilmenite	0.25-0.5	0.02	48.93	0.03	0.00	0.57	48.51	0.30	0.00	0.00	0.00	0.13	0.00	0.04	0.19	0.00	98.73	non-kimberlitic	
16SUV027	stream sediments	Mount1_094	1_9_5	314	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.56	0.04	0.00	0.44	48.23	0.52	0.00	0.00	0.00	0.00	0.00	0.23	0.00	98.00	non-kimberlitic		
16SUV027	stream sediments	Mount1_095	1_9_6	315	ilmenite, crustal	ilmenite	0.25-0.5	0.00	41.83	0.41	0.00	1.18	47.79	5.08	0.01	0.00	0.00	0.13	0.00	0.05	0.14	0.00	96.60	kimberlitic	
16SUV027	stream sediments	Mount1_096	1_9_7	316	ilmenite, crustal	ilmenite	0.25-0.5	0.00	46.72	0.08	0.07	0.90	49.57	0.11	0.00	0.00	0.00	0.00	0.00	0.24	0.00	97.70	non-kimberlitic		
16SUV027	stream sediments	Mount1_097	1_9_8	317	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.50	0.02	0.00	0.52	48.64	0.19	0.00	0.00	0.00	0.07	0.00	0.20	0.00	98.14	non-kimberlitic		
16SUV027	stream sediments	Mount1_098	1_9_9	318	ilmenite, crustal	ilmenite	0.25-0.5	0.03	48.11	0.40	0.41	0.28	39.13	8.95	0.02	0.00	0.00	0.18	0.06	0.00	0.28	0.00	97.84	kimberlitic	
16SUV028	stream sediments	Mount1_099	1_9_10	319	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.56	0.03	0.00	1.01	47.64	0.18	0.01	0.00	0.00	0.00	0.00	0.73	0.00	98.16	non-kimberlitic		
16SUV028	stream sediments	Mount1_100	1_9_11	320	ilmenite, crustal	ilmenite	0.25-0.5	0.00	49.04	0.03	0.00	0.45	48.10	0.33	0.00	0.00	0.00	0.00	0.00	0.21	0.00	98.16	non-kimberlitic		
16SUV028	stream sediments	Mount1_101	1_9_12	321	ilmenite, crustal	ilmenite	0.25-0.5	0.00	47.53	0.03	0.04	0.51	48.87	0.64	0.00	0.00	0.00	0.07	0.00	0.04	0.22	0.00	97.94	non-kimberlitic	
16SUV028	stream sediments	Mount1_102	1_9_13	322	ilmenite, crustal	ilmenite	0.25-0.5	0.00	48.72	0.03	0.00	0.98	47.98	0.80	0.00	0.00	0.00	0.00	0.00	0.03	0.09	0.00	98.63	non-kimberlitic	
16SUV028	stream sediments	Mount2_074	2_7_7	178	chromite	ilmenite	0.25-0.5	0.00	48.87	0.03	0.04	0.56	48.01	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	97.89	non-kimberlitic	

⁴⁷Ti content 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