



GEOLOGICAL SURVEY OF CANADA
OPEN FILE 3505

Kimberlitic indicator minerals in the
Geological Survey of Canada's archived till
samples: results of analysis of samples from
Victoria Island and the Hay River area,
Northwest Territories

R.N.W. DiLabio, R.D. Knight

1997



Natural Resources
Canada

Ressources naturelles
Canada

Canada

List of Figures

- Figure 1. Location of till samples from the Hay River area.
- Figure 2. Composition (CaO vs. Cr₂O₃) of pyropes from till on Victoria Island in comparison to pyropes from till in the Lac de Gras area (data from Ward et al., 1995).

List of Appendices

- Appendix A. Hay River
Table A1. Sample Location and Visual Identification
Table A2. Microprobe Results
- Appendix B. Victoria Island
Table B1. Sample Location and Visual Identification
Table B2. Microprobe Results
Table B3. Summary of Kimberlite Indicator Minerals

List of Maps

1. Sample locations, Victoria Island.
2. Distribution of kimberlite indicator minerals, Victoria Island.

Introduction

In January 1994, the Geological Survey of Canada (GSC) advertised the availability of its archived till samples for analysis of their content of kimberlitic indicator minerals. One company, Monopros Limited, supplied funding for analysis of four collections of samples. All analyses were performed by commercial laboratories following specifications established in an agreement between Monopros and the GSC. Data on the first two collections are presented in this open file: 1) Hay River and 2) Victoria Island. Preliminary results were presented earlier (DiLabio and Knight, 1997). The Hay River suite was collected by D.S. Lemmen and assistants during surficial mapping between 1989 and 1991. The Victoria Island suite was collected between 1981 and 1988 during mapping projects led by J-S. Vincent, F.M. Nixon, D.A. Hodgson, and D.R. Sharpe.

Methods

All the archived till samples from the two areas were checked against the collectors' databases to verify their field locations. The entire sample, usually weighing 1 to 2 kg, was sent for analysis, although several samples weighing less than 200 g were analyzed. About 10 per cent of the samples were split to create duplicate samples of about 1 kg to check for sample homogeneity.

The samples were wet-sieved to produce a clean sand fraction in the size range 0.25 to 1.0 mm., which was then separated into light and heavy fractions using methylene iodide diluted with acetone to a specific gravity of 2.96. These preparatory steps were performed by Canamera Geological Ltd., Vancouver, and Overburden Drilling Management Limited, Nepean, Ontario. The 0.25 to 1.0 mm heavy mineral fraction was examined under a binocular microscope by I. & M. Morrison Geological Services, of Delta, B.C., and suspected kimberlitic indicator minerals were picked.

Analyses of grains from the Hay River area were performed by R.L. Barnett using a Model JXA-733 JEOL electron microprobe in the laboratory of R.L. Barnett Geological Consulting Inc., Lambeth Ontario. This microprobe is equipped with five wavelength spectrometers and a Tracor Northern EDS spectrometer and stage automation system. Operating conditions were 15kv accelerating voltage and 10nA sample current. Appropriate mineral standards were used.

Microprobe analysis of the grains from Victoria Island was carried out by the Anglo American Research Laboratories in South Africa. The analyses were performed on an ARL Scanning Electron Microprobe Quantometer (SEM-Q). This microprobe is equipped with nine wavelength-dispersive spectrometers, and a high precision sample stage which allows the operator to observe the sample directly through a TV camera. This configuration is capable of measuring nine elements simultaneously by using six fixed-channel crystal spectrometers and three dual-crystal wavelength-dispersive scanning spectrometers. Analyses for the elements Na, Mg, Al, Si, Ca, Ti, Cr, Mn, and Fe using LIF, TAP, ADP, EDT and RAP crystals were done with an acceleration voltage of 20kV and a beam current of 30nA.

Mineralogical classification of the grains as kimberlitic or not was performed by I.M. Kjarsgaard, consultant, Ottawa, Ontario based on the criteria below. These criteria follow those given by McClenaghan et al. (1996) for ilmenite and pyrope and Fipke et al. (1989, 1995) and Thorleifson et al. (1994) for diopside. Ilmenites with ≥ 6 wt% MgO were classified as Mg-ilmenite.

Cr-pyropes were identified by their pink to purple colour, their high MgO content (≥ 16 wt.%) as well as several wt.% Cr_2O_3 . Diopside grains containing ≥ 0.5 wt.% Cr_2O_3 were classified as Cr-diopside. Other minerals were identified by comparing wt.% oxides to published analyses. The mineralogical identifications are given in Appendices A2 and B2. The microprobe data contained in the appendices will permit readers to reclassify the minerals according to their own criteria.

Results

A total of 150 till samples from the Hay River area were processed (Fig. 1). None contained confirmed kimberlitic indicator minerals. Seven grains were analyzed with an electron microprobe; six were common ilmenite and one was magnetite. Information on these samples is given in Appendix A.

Of the 736 till samples from Victoria Island, 63 contained a total of 105 kimberlitic indicator minerals. Appendix B contains data on these samples. Sites yielding Cr-diopside are scattered, apparently randomly, over the island. Of note are three adjacent sites that yielded Cr-pyropes in central Victoria Island. These grains are compositionally similar to those from the Lac de Gras area (Fig. 2) reported by Ward et al. (1995). The three sites represent an area of about 850 square kilometres. This area is about the same size as the main part of the Lac de Gras dispersal train of indicator minerals. Maps are included in this open file, showing sample locations and sites where indicator minerals were found.

In order to find the source of the Kimberlite indicator minerals on Victoria Island, more detailed work is needed. To begin, readers are referred to the following maps and reports for information on ice flow history and till provenance on Victoria Island: Fyles (1963), Vincent (1984, 1989, 1992), Nixon (1988), Hodgson (1991, 1993a, 1993b, 1994); Hodgson and Vincent (1984); Hodgson and Bednarski (1994); Sharpe (1988, 1992a, 1992b, 1993); and Sharpe and Nixon (1989).

The fact that small samples are inhomogeneous in their content of indicator minerals (the “nugget effect”) is demonstrated by the results of the analysis of the 72 Victoria Island samples that had been split. Thirteen of the 144 splits contained indicator minerals, but in no instance did both halves of a split sample contain indicator minerals. The frequency of split samples containing indicator minerals is the same as for the whole population of 736 samples, about 9%.

Because of the nugget effect in small samples, it is certain that some sites where the till contains indicator minerals produced samples that contain none. Nevertheless, this project has completed a reconnaissance of Victoria Island and the Hay River area and has produced a small database of indicator mineral compositions for Victoria Island. We estimate that this analysis of GSC’s archives cost one tenth of the cost of a field program to collect large till samples at a similar sampling density.

Acknowledgments

We thank Monopros Limited for funding this project; W. Skublak and J.A. Fowler were particularly helpful in facilitating the project. M. Morrison of I.&M. Morrison Geological Services Ltd., and I.M. Kjarsgaard were valuable contributors to this project in the preliminary and final mineral identifications, respectively. We thank the GSC project leaders who contributed samples to

this project: J-S. Vincent; F.M. Nixon; D.A. Hodgson; D.R. Sharpe; and D.S. Lemmen. R. Huneault, of Overburden Drilling Management Ltd., was very helpful in organizing sample preparation and heavy mineral separations. M.B. McClenaghan made many helpful suggestions during the project and during the writing of this report.

References

DiLabio, R.N.W. and Knight, R.D.

- 1997: Kimberlite indicator minerals in GSC's archived till samples: industry-funded analysis of collections from Victoria Island and the Hay River-Fort Smith area, Northwest Territories; poster, Geological Survey of Canada Forum.

Fipke, C.E., Gurney, J.J. and Moore, R.O.

- 1995: Diamond exploration techniques emphasizing indicator mineral geochemistry and Canadian examples; Geological Survey of Canada; Bulletin 423, 86 p.

Fipke, C.E., Gurney, J.J., Moore, R.O. and Nassichuk, W.W.

- 1989: The development of advanced technology to distinguish between diamondiferous and barren diatremes; Geological Survey of Canada, Open File 2124, 621 p.

Fyles, J.G.

- 1963: Surficial geology of Victoria and Stefansson islands, District of Franklin; Geological Survey of Canada, Bulletin 101, 38 p.

Hodgson, D.A.

- 1991: The Quaternary record; Chapter 19 in Geology of the Innuitian Orogen and Arctic Platform of Canada and Greenland, H.P. Trettin (ed.); Geological Survey of Canada, Geology of Canada, no. 3 (also Geological Society of America, The geology of North America, v. E).
- 1993a: Surficial geology, Storkerson Peninsula, Victoria Island and Stefansson Island, Northwest Territories; Geological Survey of Canada, Map 1817A, scale 1:250,000.
- 1993b: Quaternary geology of Wynniatt Bay, Victoria Island, Northwest Territories (NTS 78B); 1 map, scale 1:250,000; Geological Survey of Canada, Open File 2718.
- 1994: Episodic ice streams and ice shelves during retreat of the northwesternmost sector of the late Wisconsinan Laurentide Ice Sheet over the central Canadian Arctic Archipelago; Boreas, v. 23, p. 14-28.

Hodgson, D.A. and Bednarski, J.

- 1994: Preliminary surficial materials of Kagloryuak River (77F) and Burns Lake (77G), Victoria Island, Northwest Territories; 2 maps, scale 1:125,000; Geological Survey of Canada, Open File 2883.

Hodgson, D.A. and Vincent, J-S.

- 1984: A 10,000 yr B.P. extensive ice shelf over Viscount Melville Sound, Arctic Canada;

Quaternary Research, v. 22, p. 18-30.

McClenaghan, M.B., Kjarsgaard, I.M., Schulze, D.J., Stirling, J.A.R., Pringle, G., and Berger, B.R.
1996: Mineralogy and geochemistry of the B30 kimberlite and overlying glacial sediments, Kirkland Lake, Ontario; Geological Survey of Canada, Open File 3295, 245 p.

Nixon, M.F.

1988: Till sampling program and presentation of physical and geochemical data from western Victoria Island, Northwest Territories; Geological Survey of Canada, Paper 88-15, 36 p.

Sharpe, D.R.

1988: Late glacial landforms of Wollaston Peninsula, Victoria, Northwest Territories: product of ice-marginal retreat, surge, and mass stagnation; Canadian Journal of Earth Sciences, v. 25, p. 262-279.

1992a: Quaternary geology of Wollaston Peninsula, (Victoria Island), Northwest Territories; Geological Survey of Canada, Memoir 434, 84 p.

1992b: Surficial geology, Banning Lake Area, District of Franklin, Northwest Territories; Geological Survey of Canada, Map 1781A, Scale 1:250,000.

1993: Surficial geology, Cambridge Bay, District of Franklin, Northwest Territories; Geological Survey of Canada, Map 1825A, Scale 1:250,000.

Sharpe, D.R. and Nixon, M.F.

1989: Surficial geology, Wollaston Peninsula, (Victoria Island), District of Franklin, Northwest Territories; Geological Survey of Canada, Map 1650A, Scale 1:250,000.

Thorleifson, L.H., Garrett, R.G., and Matile, G.

1994: Prairie kimberlite study – indicator mineral geochemistry; Geological Survey of Canada, Open File 2875.

Vincent, J-S.

1984: Quaternary stratigraphy of the western Canadian Arctic Archipelago; in Quaternary Stratigraphy of Canada – A Canadian Contribution to IGCP Project 24, ed. R.J. Fulton; Geological Survey of Canada, Paper 84-10, p. 87-100.

1989: Quaternary geology of the northern Canadian Interior Plains; in Chapter 2 of Quaternary Geology of Canada and Greenland, R.J. Fulton (ed.); Geological Survey of Canada, Geology of Canada, no. 1, p. 129.

1992: The Sangamonian and early Wisconsinan glacial record in the western Canadian Arctic; in P.U. Clark & P.D. Lea (eds): The Last Interglacial-Glacial Transition in North America: Boulder, Colorado, Geological Society of America, Special Paper 270, p. 233-252.

Ward, B.C., Kjarsgaard, I.M., Dredge, L.A., Kerr, D.E., and Stirling, J.A.R.

1995: Distribution and chemistry of kimberlite indicator minerals, Lac de Gras map area (76D), Northwest Territories; Geological Survey of Canada, Open File 3079, 161 p.

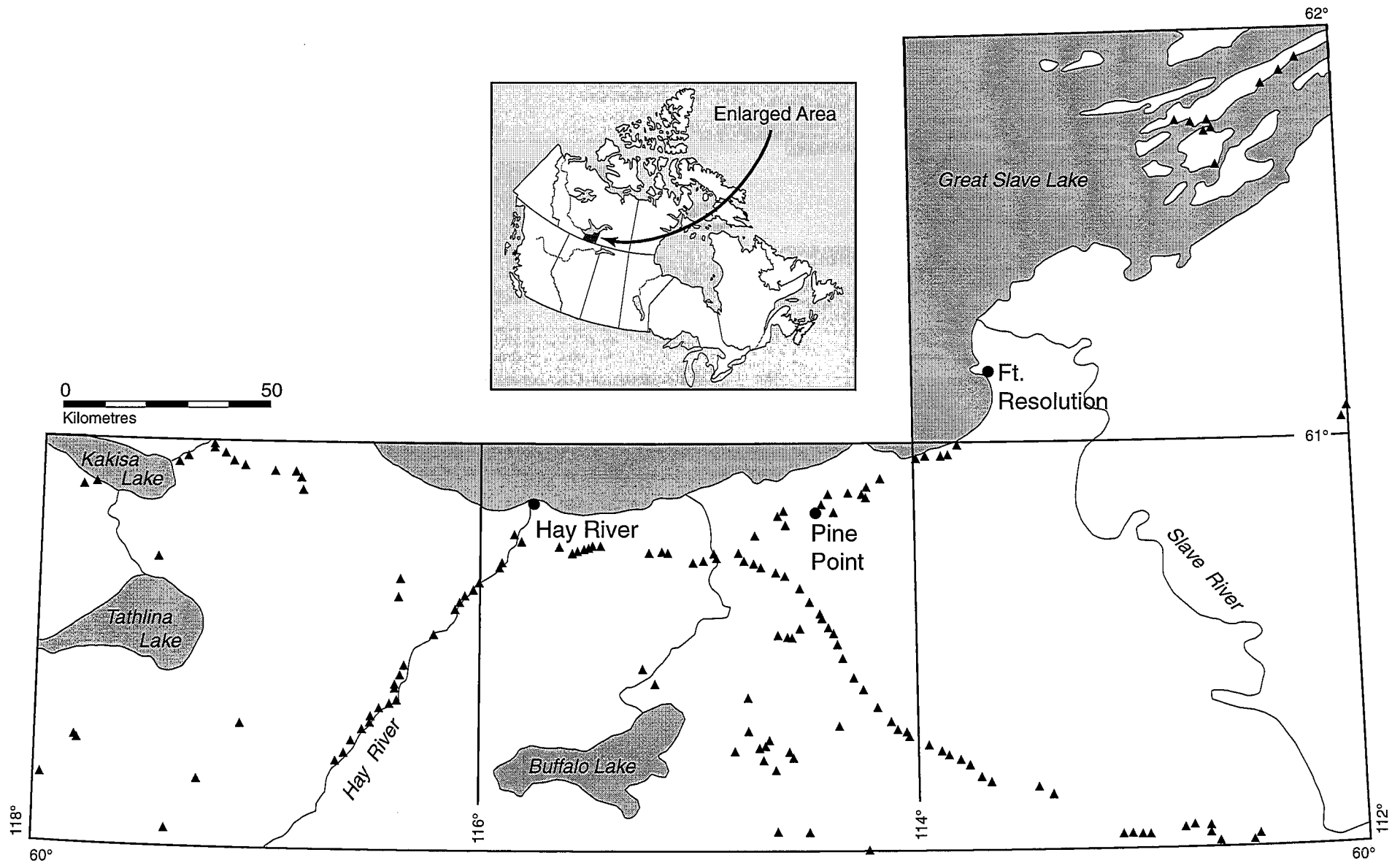


Figure 1. Location of till samples from the Hay River area, (NTS 85A, B, C & H)

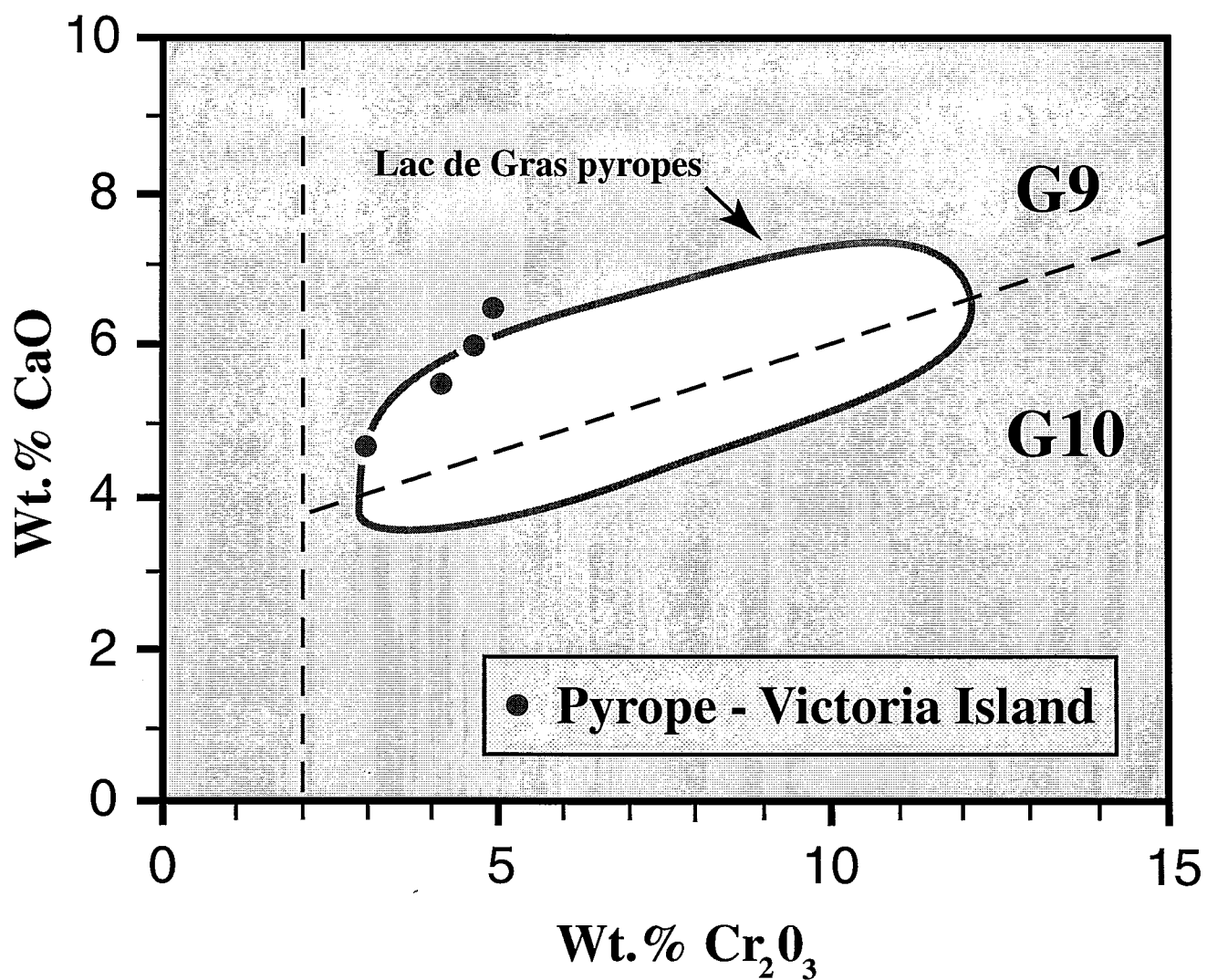


Figure 2. Composition (CaO vs. Cr₂O₃) of pyropes from till on Victoria Island in comparison to pyropes from till in the Lac de Gras area (data from Ward et al., 1995)

Appendix A. Hay River

Table A1. Sample Location and Visual Identification

Table A2. Microprobe Results

Table A1: Hay River - Sample Location and Visual Identification

Sample number	Lat	Long	NTS Map	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm), picked by I&M Morrison Geol.						Remarks
				Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
89-LJA-0001A	60 27	115 29	85B/13	11	6736000	564400	250	11.86	0.27	0	0	0	0	0	0	
89-LJA-0003	60 27	115 18	85B/11	11	6734800	582300	600	31.23	0.74	0	0	0	0	0	0	
89-LJA-0004	60 27	115 18	85B/12	11	6734500	581300	575	29.25	0.71	0	0	0	0	0	0	
89-LJA-0006	60 27	115 19	85B/12	11	6734200	580400	350	12.79	0.32	0	0	0	0	0	0	
89-LJA-0007	60 26	115 20	85B/12	11	6733900	579500	925	46.33	1.59	0	0	0	0	0	0	
89-LJA-0008	60 26	115 20	85B/12	11	6733600	578500	150	6.95	0.29	0	0	0	0	0	0	
89-LJA-0009	60 26	115 21	85B/12	11	6733200	577200	675	17.77	0.65	0	0	0	0	0	0	
89-LJA-0013	60 27	115 23	85B/12	11	6734400	574200	275	12.61	0.49	0	0	0	0	0	0	
89-LJA-0025	60 26	115 08	85B/11	11	6733500	596500	625	28.12	0.73	0	0	0	0	0	0	
89-LJA-0026	60 26	115 08	85B/11	11	6734400	596400	850	47.87	1.34	0	0	0	0	0	0	
89-LJA-0027	60 26	115 06	85B/11	11	6734100	599900	625	25.37	0.66	0	0	0	0	0	0	
89-LJA-0032	60 25	114 35	85B/10	11	6731400	610800	1000	10.40	.33	0	0	0	0	0	0	
89-LJA-0037	60 28	114 27	85B/15	11	6738900	623300	450	13.93	0.3	0	0	0	0	0	0	
89-LJA-0044	60 30	114 13	85B/16	11	6745900	642800	300	5.38	0.05	0	0	0	0	0	0	
89-LJA-0047	60 31	114 09	85B/16	11	6751000	650000	425	108.41	1.31	0	0	0	0	0	0	
89-LJA-0050	60 33	114 06	85B/16	11	6755700	653800	475	4.32	0.19	0	0	0	0	0	0	
89-LJA-0053	60 26	114 33	85B/10	11	6733300	613800	775	32.07	0.8	0	0	0	0	0	0	
89-LJA-0054	60 26	114 33	85B/10	11	6732700	614100	675	26.56	.65	0	0	0	0	0	0	
89-LJA-0069	60 24	116 13	85C/09	11	6724900	534800	875	24.12	0.66	0	0	0	0	0	0	
89-LJA-0084	60 33	116 30	85C/15	11	6753100	509200	775	24.75	0.67	0	0	0	0	0	0	
89-LJA-0085	60 33	116 31	85C/15	11	6754200	507400	475	19.75	8.71	0	0	0	0	0	0	
89-LJA-0089	60 34	117 04	85C/14	11	6755800	494400	1200	37.53	0.7	0	0	0	0	0	0	
89-LJA-0091	60 35	117 07	85C/14	11	6759100	489600	700	150.36	4.44	0	0	0	0	0	0	
89-LJA-0092	60 34	117 14	85C/14	11	6755900	478600	250	8.78	0.09	0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table A1: Hay River - Sample Location and Visual Identification

Sample number	Lat	Long	NTS Map	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm), picked by I&M Morrison Geol.						Remarks
				Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
89-LJA-0093	60 34	117 13	85C/14	11	6757600	480400	675	30.30	0.54	0	0	0	0	0	0	
89-LJA-0097	60 34	117 05	85C/14	11	6756900	492000	1000	18.11	1.05	0	0	1	0	0	0	
89-LJA-0100	60 22	116 03	85C/09	11	6718900	549700	1350	28.16	0.82	0	0	0	0	0	0	~0.5% pyrite
89-LJA-0103	60 19	116 03	85C/09	11	6710100	549700	800	33.53	0.45	0	0	0	0	0	0	
89-LJA-0107	60 17	116 12	85C/08	11	6704200	537400	975	42.38	0.5	0	0	0	0	0	0	
89-LJA-0109	62 51	118 01	85C/09	11	6716700	548600	650	29.34	1.06	0	0	0	0	0	1	sulphide - silvery, magnetic
89-LJA-0113	60 15	116 13	85C/08	11	6698600	535600	250	32.58	0.39	0	0	0	0	0	0	
89-LJA-0114	60 14	116 14	85C/08	11	6695100	534200	850	34.03	0.52	0	0	0	0	0	0	
89-LJA-0115	60 13	116 14	85C/08	11	6692100	534100	625	24.34	0.46	0	0	0	0	0	0	
89-LJA-0116	60 13	116 15	85C/08	11	6690600	532800	1500	71.9	1.07	0	0	1	0	0	0	
89-LJA-0117	60 12	116 17	85C/08	11	6688600	529500	675	26.7	1.05	0	0	0	0	0	0	
89-LJA-0118	60 12	116 18	85C/08	11	6687300	528300	500	32.05	0.9	0	0	0	0	0	0	
89-LJA-0119	60 11	116 18	85C/08	11	6685800	527700	975	43.09	0.9	0	0	1	0	0	0	
89-LJA-0120	60 22	116 03	85C/09	11	6720800	550600	775	41.39	0.66	0	0	0	0	0	0	
89-LJA-0121	60 23	116 01	85C/09	11	6722100	552600	825	28.21	0.84	0	0	0	0	0	tr	trace pyrite
89-LJA-0122	60 23	116 00	85C/09	11	6724100	554300	700	17.58	0.46	0	0	0	0	0	0	~1% pyrite
89-LJA-0123	60 25	115 33	85B/12	11	6728600	559300	575	14.76	0.63	0	0	0	0	0	0	
89-LJA-0127	60 16	116 12	85B/12	11	6701100	536400	800	25.34	0.75	0	0	1	0	0	0	
89-LJA-0128	60 16	116 12	85C/08	11	6701100	536400	775	11.42	0.25	0	0	0	0	0	0	
89-LJA-0129	60 10	116 19	85C/07	11	6683600	526200	650	30.24	1.13	0	0	0	0	0	0	
89-LJA-0130	60 09	116 21	85C/07	11	6680600	523700	625	26.28	0.61	0	0	0	0	0	0	
89-LJA-0132	60 08	116 22	85C/02	11	6677200	521800	700	24.63	0.5	0	0	0	0	0	0	
89-LJA-0145	60 25	117 26	85C/12	11	6730100	460300	775	21	0.44	0	0	0	0	0	0	
89-LJA-0152	60 28	115 30	85B/13	11	6737800	563000	425	19.01	0.55	0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table A1: Hay River - Sample Location and Visual Identification

Sample number	Lat	Long	NTS Map	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm), picked by I&M Morrison Geol.						Remarks
				Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
89-LJA-0158	60 26	114 29	85B/10	11	6734100	619700	1075	30.87	0.55	0	0	0	0	0	0	
89-LJA-0159	60 26	114 28	85B/10	11	6732600	620800	350	12.6	0.35	0	0	0	0	0	0	
89-LJA-0161	60 25	114 27	85B/10	11	6731100	623200	875	35.35	0.77	0	0	0	0	0	0	
89-LJA-0162	60 25	114 26	85B/10	11	6730200	625000	450	19.33	0.44	0	0	0	0	0	0	
89-LJA-0163	60 24	114 23	85B/10	11	6728800	628600	925	35.6	0.69	0	0	0	0	0	0	
89-LJA-0164	60 24	114 21	85B/10	11	6728300	631300	850	49.37	0.89	0	0	0	0	0	0	
89-LJA-0167	60 23	114 19	85B/10	11	6725600	634900	525	28.92	0.51	0	0	1	0	0	0	
89-LJA-0170B	60 22	114 17	85B/09	11	6721400	637900	575	35.36	0.72	0	0	0	0	0	0	
89-LJA-0172	60 19	114 19	85B/10	11	6713600	635200	625	53.48	1.21	0	0	0	0	0	0	
89-LJA-0173	60 21	114 16	85B/09	11	6718100	640300	6000	38.38	0.9	0	0	0	1	0	0	
89-LJA-0174B	60 20	114 15	85B/09	11	6717000	641000	875	15.41	0.37	0	0	0	0	0	0	
89-LJA-0175	60 19	114 14	85B/09	11	6714000	642700	675	33.84	0.69	0	0	0	0	0	0	
89-LJA-0176	60 19	114 13	85B/09	11	6712600	644300	850	40.06	0.87	0	0	0	0	0	0	
89-LJA-0178	60 18	114 13	85B/08	11	6709700	645100	775	33.16	0.44	0	0	0	0	0	0	
89-LJA-0179	60 17	114 12	85B/08	11	6706200	646700	725	32.98	0.73	0	0	0	0	0	0	
89-LJA-0183	60 15	114 10	85B/08	11	6701200	649400	425	29.2	0.38	0	0	0	0	0	0	
89-LJA-0186	60 14	114 09	85B/08	11	6697900	652000	625	37.6	0.79	0	0	0	0	0	0	
89-LJA-0188	60 13	114 06	85B/08	11	6693500	655800	525	31.62	0.73	0	0	0	0	0	0	
89-LJA-0191	60 11	114 04	85B/08	11	6689400	659300	800	43.29	0.76	0	0	0	0	0	0	
89-LJA-0192	60 11	114 03	85B/08	11	6687600	661000	425	16.19	0.2	0	0	0	0	0	0	
89-LJA-0193	60 10	114 02	85B/08	11	6686400	663500	425	24.9	0.33	0	0	0	0	0	0	
89-LJA-0194	60 10	114 01	85B/08	11	6686000	664200	675	36.2	0.86	0	0	0	0	0	0	
89-LJA-0196	60 32	117 28	85B/05	12	6683500	536700	500	19.57	0.31	0	0	0	0	0	0	
89-LJA-0198B	60 29	114 21	85A/04	12	6681500	339700	600	9.36	0.18	0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table A1: Hay River - Sample Location and Visual Identification

Sample number	Lat	Long	NTS Map	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm), picked by I&M Morrison Geol.						Remarks
				Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
89-LJA-0199B	60 31	114 14	85A/04	12	6680600	341400	725	32.34	0.3	0	0	0	0	0	0	
89-LJA-0201	60 19	114 21	85A/04	12	6678900	344400	575	23.12	0.46	0	0	0	0	0	0	
89-LJA-0202	60 19	114 21	85A/04	12	6677400	346300	775	59.21	1.02	0	0	0	0	0	0	
89-LJA-0204	60 19	114 22	85A/04	12	6674400	349200	350	19.89	0.4	0	0	0	0	0	0	
89-LJA-0205	60 19	114 23	85A/04	12	6672300	651200	450	40.51	0.7	0	0	0	0	0	0	
89-LJA-0214	60 19	114 22	85A/03	12	6668300	366300	225	34.1	0.92	0	0	0	0	0	0	
89-LJA-0221	60 36	117 09	85A/03	12	6656900	383400	900	21.22	0.53	0	0	0	0	0	0	
89-LJA-0222	60 35	117 09	85A/03	12	6656400	385400	375	35.7	0.73	0	0	0	0	0	0	
89-LJA-0224	60 33	116 34	85A/02	12	6655700	389600	375	10.84	0.32	0	0	0	0	0	0	
89-LJA-0229	60 8	114 25	85A/02	12	6657700	399300	675	26.81	0.23	0	0	0	0	0	0	
89-LJA-0230	60 07	114 23	85A/02	12	6658000	400900	650	17.00	0.26	0	0	0	0	0	0	
89-LJA-0232	60 08	114 20	85A/02	12	6657800	405300	575	17.27	0.36	0	0	0	0	0	0	
89-LJA-0235	60 09	114 21	85A/02	12	6652700	407200	700	9.13	0.1	0	0	0	0	0	0	
89-LJA-0239	60 09	114 25	85A/01	12	6653400	416800	450	25.16	0.39	0	0	0	0	0	0	
89-LJA-0240	60 09	114 25	85A/01	12	6654600	417300	625	32.42	1.01	0	0	0	0	0	0	
90-LJA-0014	60 09	114 24	85C/13	11	6750200	458400	850	31.24	0.55	0	0	0	0	0	0	
90-LJA-0017	60 10	114 28	85B/15	11	6742000	630900	1025	56.19	0.74	0	0	0	0	0	0	
90-LJA-0018	60 22	116 14	85B/16	11	6750900	641200	150	.31	0.16	0	0	0	0	0	0	
90-LJA-0023	60 11	117 02	85B/10	11	6711700	633300	550	68.12	1.8	0	0	0	0	0	0	
90-LJA-0025	60 06	117 08	85B/10	11	6711600	632200	275	23.63	0.47	0	0	0	0	0	0	
90-LJA-0026	60 01	117 14	85B/10	11	6711600	631200	500	17.22	0.46	0	0	0	0	0	0	
90-LJA-0027A	60 06	117 34	85B/10	11	6711600	629900	400	17.83	0.23	0	0	0	0	0	0	
90-LJA-0028	60 09	117 28	85B/10	11	6712100	630600	300	19.22	0.41	0	0	0	0	0	0	
90-LJA-0030	60 09	117 29	85C/14	11	6761100	486800	400	12.55	0.3	0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table A1: Hay River - Sample Location and Visual Identification

Sample number	Lat	Long	NTS Map	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm), picked by I&M Morrison Geol.						Remarks
				Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
90-LJA-0031	60 11	114 12	85C/14	11	6760700	487100	200	6.85	0.15	0	0	0	0	0	0	trace pyrite
90-LJA-0033A	60 15	113 15	85C/15	11	6754200	502400	350	6.83	0.12	0	0	0	0	0	0	
90-LJA-0040A	60 15	115 07	85B/02	11	6677800	627600	475	19.10	0.79	0	0	0	0	0	0	
90-LJA-0044B	60 13	114 28	85B/02	11	6675800	630900	275	12.89	0.37	0	0	0	0	0	0	
90-LJA-0050A	60 09	114 30	85B/02	11	6678600	635300	850	72.36	1.66	0	0	0	0	0	0	
90-LJA-0052	60 02	114 22	85B/02	11	6680100	634500	500	36.31	0.29	0	0	0	0	0	0	
90-LJA-0053	60 02	114 17	85B/02	11	6681100	627100	500	24.25	0.34	0	0	0	0	0	0	
90-LJA-0054	60 32	116 30	85B/07	11	6681700	628200	1050	36.26	1.11	0	0	0	0	0	0	
90-LJA-0055	60 31	117 30	85B/07	11	6682600	628800	100	5.60	0.05	0	0	0	0	0	0	
90-LJA-0060	60 25	117 17	85B/07	11	6685700	623500	100	3.27	0.09	0	0	0	0	0	0	
90-LJA-0067A	60 26	116 31	85C/09	11	6720200	534200	250	10.48	0.13	0	0	0	0	0	0	
90-LJA-0070	60 26	115 05	85C/06	11	6684600	496700	200	40.88	0.71	0	0	0	0	0	0	
90-LJA-0071	60 27	115 16	85C/03	11	6669900	486900	625	5.41	0.07	0	0	0	0	0	0	
90-LJA-0072	60 14	116 14	85C/03	11	6655700	479100	375	41.42	0.84	0	0	0	0	0	0	
90-LJA-0074	60 08	116 23	85C/04	11	6669400	447600	825	65.23	1.93	0	0	0	0	0	0	
90-LJA-0075	60 26	115 21	85C/05	11	6679300	456300	600	32.95	0.94	0	0	0	0	0	0	
90-LJA-0076	60 26	114 33	85C/05	11	6679900	455900	850	58.86	1.32	0	0	0	0	0	0	~0.5% pyrite
90-LJA-0090	60 22	116 03	85H/04	12	6785000	351900	600	41.41	0.97	0	0	0	0	0	0	
90-LJA-0098	60 19	116 03	85B/08	11	6687700	646800	450	18.81	0.36	0	0	0	0	0	0	
90-LJA-0100	60 16	116 12	85B/06	11	6701800	696600	250	10.62	0.25	0	0	0	0	0	0	
90-LJA-0102	60 29	114 21	85B/06	11	6697700	600100	625	23.69	0.51	0	0	0	0	0	0	
90-LJA-0103	60 09	117 29	85B/07	11	6694600	623300	475	21.39	0.44	0	0	0	0	0	0	
90-LJA-0104	60 10	110 12	85B/02	11	6680100	620700	475	16.72	0.39	0	0	0	0	0	0	
90-LJA-0105	60 09	113 32	85B/02	11	6659000	632400	400	23.97	0.44	0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table A1: Hay River - Sample Location and Visual Identification

Sample number	Lat	Long	NTS Map	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm), picked by I&M Morrison Geol.						Remarks
				Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
90-LJA-0106	60 08	113 31	85B/01	11	6658800	640200	250	9.04	0.42	0	0	0	0	0	0	
90-LJA-0123	60 08	113 29	85H/01	12	6767600	443800	200	1.71	0.06	0	0	0	0	0	0	
90-LJA-0126	60 07	113 28	85H/01	12	6770500	445400	425	28.92	0.61	0	0	0	0	0	0	
90-LJA-0132	60 06	113 26	85H/16W	12	6858600	429500	900	93.38	5.34	0	0	0	0	0	0	
90-LJA-0135	60 06	108 10	85H/16W	12	6862100	433400	800	41.22	1.02	0	0	0	0	0	0	
90-LJA-0137	60 05	113 15	85H/16E	12	6865500	438200	475	54.70	1.04	0	0	0	0	0	0	
90-LJA-0140	60 01	113 03	85H/15E	12	6848600	417200	425	26.14	0.92	0	0	0	0	0	0	
90-LJA-0142A	60 01	113 02	85H/16E	12	6847300	421200	300	10.63	0.17	0	0	0	0	0	0	
90-LJA-0149	60 01	112 35	85H/15E	12	6849700	416400	450	29.12	1.03	0	0	0	0	0	0	
90-LJA-0150	60 02	112 29	85H/15E	12	6847900	415000	525	34.3	1.15	0	0	0	0	0	0	
90-LJA-0153	60 02	112 28	85H/15E	12	6848900	410800	500	57.74	7.58	0	0	0	0	0	0	
90-LJA-0155	60 02	112 25	85H/15E	12	6849600	307500	475	20.37	0.85	0	0	0	0	0	0	
90-LJA-0159	60 00	112 24	85H/09W	12	6839000	416300	700	66.22	1.68	0	0	0	0	0	0	
90-LJA-0178A	60 00	112 18	85A/13	12	6764800	348800	950	53.9	2.69	0	0	0	0	0	0	
90-LJA-0181	60 01	112 17	85A/13	12	6762800	345900	625	36.52	0.92	0	0	0	0	0	0	
90-LJA-0182	61 06	113 27	85A/13	12	6762500	344200	800	49.93	1.87	0	0	0	0	0	0	
90-LJA-0185B	61 01	112 01	85A/01	12	6652900	419900	550	20.16	0.45	0	0	0	0	0	0	
90-LJA-0186	61 02	112 00	85A/02	12	6652500	415600	525	33.4	0.31	0	0	0	0	0	0	
90-LJA-0187	61 31	112 12	85A/02	12	6656100	405000	125	7.8	0.05	0	0	0	0	0	0	
90-LJA-0188	61 32	112 10	85A/02	12	6657800	405300	1925	82.24	4.69	0	0	0	0	0	0	
90-LJA-0194	61 33	112 06	85A/03	12	6670600	363200	575	16.26	0.24	0	0	0	0	0	0	
90-LJA-0196	61 27	112 20	85A/04	12	6674400	349200	1100	103.79	2.41	0	0	0	0	0	0	
90-LJA-0198	61 27	112 18	85C/15	11	6749300	509400	500	20.97	1.01	0	0	0	0	0	0	
90-LJA-0200	61 28	112 21	85C/13	11	6748700	455000	475	15.33	0.3	0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table A1: Hay River - Sample Location and Visual Identification

Sample number	Lat	Long	NTS Map	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm), picked by I&M Morrison Geol.						Remarks
				Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
90-LJA-0202	61 27	112 22	85C/11	11	6729500	474600	400	12.5	0.22	0	0	1?	0	0	0	
91-LJA-0023	61 28	112 25	85C/10	11	6731700	507600	375	22.7	0.47	0	0	0	0	0	0	
91-LJA-0024	61 26	114 23	85B/11	11	6733900	601400	500	24.	0.38	0	0	0	0	0	0	
91-LJA-0026B	61 24	112 21	85B/11	11	6734800	584200	1000	40.78	0.99	0	0	0	0	0	0	
91-LJA-0035	60 36	113 29	85C/08	11	6694200	534200	475	18.48	0.51	0	0	0	0	0	0	
91-LJA-0038	60 35	113 30	85C/02	11	6675000	520000	850	34.65	0.77	0	0	0	0	0	0	
94-LJA-0001	60 35	113 32	85B/12	11	6733200	577200	725	22.12	0.77	0	0	0	0	0	0	duplicate split of 89-LJA-0009
94-LJA-0002	60 00	112 16	85B/10	11	6733300	613800	725	33.86	0.83	0	0	0	1?	0	0	duplicate split of 89-LJA-0053
94-LJA-0003	60 00	112 18	85C/09	11	6718900	549700	1875	37.36	1.53	0	0	0	0	0	5	~1% pyrite, duplicate split of 89-LJA-0100
94-LJA-0004	60 01	112 25	85C/09	11	6710100	549700	825	16.81	0.33	0	0	0	0	0	0	duplicate split of 89-LJA-0103
94-LJA-0005	60 02	112 25	85C/08	11	6701100	536400	900	38.88	0.67	0	0	0	0	0	0	duplicate split of 89-LJA-0128
94-LJA-0006	60 05	113 17	85A/02	12	6657800	405300	625	22.78	0.46	0	0	0	0	0	0	duplicate split of 89-LJA-0232
94-LJA-0007	60 06	113 26	85B/15	11	6742000	630900	1000	57.57	0.85	0	0	0	0	0	0	duplicate split of 90-LJA-0017
94-LJA-0008	60 02	112 25	85C/05	11	6679900	455900	850	52.49	1.00	0	0	0	0	0	0	duplicate split of 90-LJA-0076
94-LJA-0009	60 35	113 30	85A/13	12	6762800	345900	600	36.51	0.84	0	0	0	0	0	0	duplicate split of 90-LJA-0181
94-LJA-0010	60 02	112 25	85A/02	12	6657800	405300	1875	75.65	1.56	0	0	1	0	0	0	duplicate split of 90-LJA-0188

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table A2: Hay River - Microprobe Results

Sample number	Lat	Long	UTM			MnO	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	Cr ₂ O ₃	MgO	ZnO	NiO	Total	Remarks
			Zone	North	East											
89-LJA-0097	60 34	117 05	11	6756900	492000	0.50	0.09	47.30	0.00	49.75	0.00	0.94	0.00	0.13	98.71	Ilmenite
89-LJA-0127	60 16	116 12	11	6701100	536400	0.96	0.01	45.52	0.00	51.02	0.00	1.14	0.00	0.11	98.76	Ilmenite
89-LJA-0167	60 23	114 19	11	6725600	634900	0.09	0.11	95.75	0.04	0.00	0.00	0.00	0.15	0.00	96.14	Magnetite
89-LJA-0173	60 21	114 16	11	6718100	640300	0.95	0.01	46.36	0.01	50.71	0.08	0.10	0.16	0.00	98.38	Ilmenite
90-LJA-0202	61 27	112 22	11	6729500	474600	0.48	0.04	47.46	0.00	50.24	0.01	0.50	0.00	0.00	98.73	Ilmenite
94-LJA-0002	60 00	112 16	11	6733300	613800	0.55	0.04	47.48	0.02	50.15	0.04	0.53	0.00	0.00	98.81	Ilmenite
94-LJA-0010	60 02	112 25	12	6657800	405300	0.07	0.00	46.47	0.01	49.36	0.04	0.07	0.05	0.00	99.00	Ilmenite

Appendix B. Victoria Island

Table B1. Sample Location and Visual Identification

Table B2. Microprobe Results

Table B3. Summary of Kimberlite Indicator Minerals

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
81-VH-0001	70 40	116 23	11	7840168	522787	804	4.59	58.43	0	0	0	0	0	0	
81-VH-0005	70 40	116 26	11	7840150	520940	923	46.87	10.4	0	0	0	0	0	0	
81-VH-0006	70 41	116 32	11	7841969	517231	1608	108.89	3.60	0	0	0	0	0	0	
81-VH-0007	70 41	116 32	11	7841969	517231	1714	145.89	17.84	0	0	0	0	0	sul	
81-VH-0008	70 41	116 32	11	7841969	517231	1547	135.44	12.03	0	0	0	0	0	0	
81-VH-0011	70 41	116 18	11	7842051	525844	1840	139.43	6.13	0	0	0	0	0	0	
81-VH-0013	70 44	116 28	11	7847566	519641	1623		2	0	0	0	0	0	0	
81-VH-0015	70 49	116 22	11	7856903	523226	1270	88.96	5.91	0	0	0	0	0	0	trace limonite
81-VH-0018	70 40	116 23	11	7840168	522787		106.39	2.54	0	0	0	0	0	0	trace limonite
81-VH-0019	72 12	118 12	11	8011482	459057	749	27.60	4.70	0	0	0	0	1	0	trace limonite
81-VH-0026	72 12	118 20	11	8011578	454509	1650	62.37	10.16	0	0	0	0	0	0	trace limonite
81-VH-0029	72 11	118 18	11	8009691	455605	1903	108.49	13.23	0	0	0	0	0	0	
81-VH-0034	72 11	118 15	11	8009654	457312	1064	55.31	6.64	0	0	0	0	0	sul	
81-VH-0036	72 11	118 15	11	8009654	457312	1297	36.32	3.35	0	0	0	0	0	sul	trace limonite
81-VH-0037	72 11	118 15	11	8009654	457312	1384	56.57	10.84	0	0	0	0	1	sul	trace limonite
81-VH-0040	72 08	118 15	11	8004079	457196	1506	101.29	10.99	0	0	0	0	0	0	
81-VH-0043	72 07	117 47	11	8001957	473152	1614	85.88	17.23	0	0	0	0	0	0	
81-VH-0044	72 05	117 33	11	7998143	481114	1805	156.55	12.62	0	0	0	0	0	0	
81-VH-0045	72 05	117 28	11	7998119	483975	1359	101.09	15.13	0	0	0	0	0	0	
81-VH-0048	73 09	114 16	11	8119069	588410	1763	52.69	6.61	0	0	0	0	0	0	trace limonite
81-VH-0049	73 09	114 05	11	8119349	594338	976	35.38	4.41	0	0	1	0	0	0	trace limonite
81-VH-0050	73 09	114 02	11	8119429	595954	1678	38.7	2.07	0	0	0	0	0	0	
81-VH-0055	73 18	114 36	11	8135329	576964	1642	40.48	4.51	0	0	1	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH		
81-VH-0060	73 02	114 01	11	8106451	597139	1482	39.55	3.21	0	0	0	0	0	0		
81-VH-0062	73 02	114 01	11	8106451	597139	1118	16.61	1.83	0	0	0	0	0	0	trace limonite	
82-VH-0001	70 41	114 31	11	7843778	591662	1723	110.39	2.83	0	0	0	0	0	0	trace limonite	
82-VH-0004	70 42	114 34	11	7845565	589743	1806	82.06	2.48	0	0	2	0	0	0	likely not Picro-IL	
82-VH-0008	70 44	114 38	11	7849179	587143	1387	102.18	5.32	0	0	0	0	0	0	trace limonite	
82-VH-0009	70 46	114 38	11	7852902	586998	1365	96.25	5.92	0	0	0	0	0	0	trace limonite	
82-VH-0010	70 47	114 36	11	7854800	588148	1932	111.56	10.92	0	0	0	0	0	0		
82-VH-0011	70 49	114 36	11	7858523	588001	2225	144.47	7.59	0	0	0	0	0	0	trace limonite	
82-VH-0012	70 50	114 36	11	7860373	587927	2102	93.59	16.01	0	0	0	0	0	0		
82-VH-0015	71 06	118 00	11	7888677	463847	1953	108.96	17.51	0	1	0	0	0	0		
82-VH-0018	71 04	117 59	11	7884954	464391	2112	86.12	5.10	0	0	1	0	0	0	trace limonite	
82-VH-0019	71 04	117 58	11	7884945	464992	1158	60.49	9.49	0	0	0	0	0	0	trace limonite	
82-VH-0020	71 02	117 54	11	7881182	467352	1254	53.38	14.50	0	0	0	0	0	0		
82-VH-0021	71 02	117 49	11	7881140	470373	1861	73.5	19.34	0	0	0	0	0	0		
82-VH-0022	71 04	117 52	11	7884890	468613	2196	106.95	22.62	0	0	0	0	0	0		
82-VH-0023	71 05	117 50	11	7886724	469848	1931	77	30.05	0	0	0	0	0	0		
82-VH-0030	71 04	118 12	11	7885096	456544	1470	78.55	17.85	0	1?	0	0	0	sul	pyrite	
82-VH-0032	71 05	118 07	11	7886889	459595	1787	103.97	36.59	0	0	0	0	0	0		
82-VH-0034	72 31	115 38	11	8046924	545827	890	30.94	4.67	0	0	0	0	0	0	trace limonite	
82-VH-0036	72 34	115 55	11	8052307	536225	1731	88.59	8.20	0	0	0	0	1	0	trace limonite	
82-VH-0037	72 35	115 58	11	8054129	534521	729									No sample	
82-VH-0038	72 35	115 58	11	8054129	534521	1023	78.61	17.85	0	0	0	0	0	0		
82-VH-0039	72 37	116 01	11	8057826	532790	1043	130.03	19.34	0	0	0	0	0	0		
82-VH-0040	72 40	116 10	11	8063328	527711	1441	81.04	14.19	0	0	0	0	0	0		

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.
Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH		
82-VH-0041	72 39	116 13	11	8061443	526073	941	31.81	6.38	0	0	0	0	0	0	trace limonite	
82-VH-0042	72 26	115 24	11	8037816	553896	1238	63.53	7.22	0	0	0	0	0	0		
82-VH-0043	72 30	115 14	11	8045412	559291	1860	143.96	14.93	0	0	0	0	0	0		
82-VH-0044	72 30	115 26	11	8045225	552581	120	17.28	1.57	0	0	0	0	0	0	trace limonite	
82-VH-0045	72 26	115 53	11	8037448	537618	121	16.60	2.25	0	0	0	0	1?	0	trace limonite	
82-VH-0046	73 06	116 05	11	8111700	529745	2279	44.18	6.61	0	0	1	0	0	0	trace limonite	
82-VH-0048	73 07	115 57	11	8113634	534037	1532	8.05	1.31	0	0	0	0	0	0	trace limonite	
82-VH-0049	73 10	115 42	11	8119370	542019	1456	14.32	2.11	0	0	0	0	0	0		
82-VH-0050	73 11	115 39	11	8121257	543593	2361	79.68	14.35	0	0	0	0	0	0		
82-VH-0051	73 09	115 45	11	8117473	540442	1612	19.42	2.96	0	0	0	0	0	0	trace limonite	
82-VH-0052	73 06	115 43	11	8111919	541639	1386	59.84	13.41	0	0	0	0	0	0		
82-VH-0054	73 04	116 16	11	8107904	523840	1453	64.03	10.62	0	0	0	0	0	0	trace limonite	
82-VH-0055	73 02	116 12	11	8104206	526058	1990	43.81	227.26	0	1	0	0	0	0		
82-VH-0056	73 05	116 20	11	8109730	521654	1912	90.18	14.74	0	0	0	0	0	0		
82-VH-0057	73 02	116 30	11	8104100	516286	1617	147.11	10.32	0	0	0	0	0	0	trace limonite	
82-VH-0058	71 27	118 16	11	7927888	455024	1933	126.73	7.67	0	0	0	0	0	0	trace limonite	
82-VH-0059	71 43	118 50	11	7958140	435814	1474		18.82	0	0	0	0	0	0		
82-VH-0060	71 58	118 48	11	7985980	437812	1645	124.80	18.50	0	0	0	0	0	0		
82-VH-0061	71 54	118 31	11	7978273	447410	1250	67.43	12.33	0	0	0	0	0	0		
82-VH-0062	71 43	118 40	11	7957971	441645	1439	28.94	6.19	0	0	0	0	0	0		
82-VH-0063	71 38	118 15	11	7948318	456040	2006	95.14	25.43	0	0	0	0	0	0		
82-VH-0065	71 49	117 51	11	7968528	470394	1790	123.94	13.95	0	0	0	0	0	0		
82-VH-0066	71 53	117 58	11	7976017	466449	1035	74.43	9.08	0	0	0	0	0	0	trace limonite	
82-VH-0067	71 53	117 58	11	7976017	466449	1637	130.61	10.10	0	0	0	0	0	sul	trace limonite	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
82-VH-0068	71 55	117 49	11	7979666	471705	1728	117.40	28.34	0	0	0	0	0	0	
82-VH-0069	71 51	117 32	11	7972116	481458	187	57.4	13.93	0	0	0	0	0	0	
82-VH-0070	71 53	117 29	11	7975815	483226	1216	74.73	21.12	0	0	0	0	0	0	
82-VH-0071	71 47	117 38	11	7964710	477903	1868	141.09	39.47	0	0	0	0	0	0	
82-VH-0072	71 35	117 22	11	7942324	487069	1789	84.51	20.08	0	0	0	0	0	0	
82-VH-0073	71 39	116 53	11	7949729	504101	107	14.59	1.49	0	0	0	0	0	0	
82-VH-0074	71 55	117 00	11	7979474	500000	1757	120.88	42.91	0	0	0	0	0	0	
82-VH-0075	71 48	116 38	11	7966496	512784	1769	75.19	18.41	0	0	0	0	0	0	
82-VH-0076	71 29	116 49	11	7931141	506497	1993	121.36	37.88	0	0	0	0	0	0	
82-VH-0078	72 06	116 48	11	7999931	506861	1027	56.31	12.78	0	0	0	0	0	0	trace limonite
82-VH-0079	72 10	115 50	11	8007747	539879	157	17	2.8	0	0	0	0	0	0	trace limonite
82-VH-0080	72 10	115 15	11	8008230	559813	184	22.42	1.13	0	0	0	0	0	0	trace limonite
82-VH-0081	72 42	114 39	11	8068377	577986	116		0.71	0	0	0	0	0	0	
82-VH-0082	72 51	114 08	11	8085839	594323	1242	37.64	2.14	0	0	0	0	0	0	trace limonite
82-VH-0083	72 56	114 18	11	8094868	588423	1154	14.29	.97	0	0	0	0	0	0	trace limonite
82-VH-0084	73 00	114 38	11	8101842	577219	1270									No sample
82-VH-0085	73 10	114 44	11	8120301	573254	228	28.16	10.07	0	0	0	0	0	0	
82-VH-0086	73 16	114 44	11	8131450	572832	2117	206.96	20.34	0	0	0	0	0	0	trace limonite
82-VH-0087	73 16	114 44	11	8131450	572832	1918	82.98	15.24	0	0	0	0	0	0	trace limonite
82-VH-0088	73 20	114 36	11	8139041	576815	1000	40.11	3.44	0	0	0	0	0	0	trace limonite
82-VH-0089	73 08	115 03	11	8116216	563144	1539	92.79	17.58	0	0	0	0	0	0	trace limonite
82-VH-0090	72 58	115 18	11	8097390	555578	959	14.99	58.37	0	0	0	0	0	0	trace limonite
82-VH-0091	72 51	115 26	11	8084257	551562	1704	20.49	59.82	0	0	0	0	0	4	3 poss cor. + 1 blueish purple grain
82-VH-0092	72 51	115 26	11	8084257	551562	1362	73.1	16.66	0	0	0	0	0	0	trace limonite

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.
Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH		
82-VH-0093	72 48	115 15	11	8078849	557755	1424	63.16	13.1	0	0	0	0	1?	0	trace limonite; trace sulphide	
82-VH-0094	72 40	115 15	11	8063984	558189	899	6.35	39.19	0	0	0	0	0	0	trace limonite	
82-VH-0095	70 39	116 40	11	7838223	512326	1514	175.46	25.59	0	0	1	0	0	sul	pyrite; not likely Picro-IL	
82-VH-0096	70 39	116 34	11	7838247	516024	1814	155.15	20.22	0	0	0	0	0	4	oth: blueish coating on grains	
82-VH-0097	70 41	115 44	11	7842391	546764	1698	80.4	1.48	0	0	0	0	0	0	1% limonite	
82-VH-0098	70 43	115 27	11	7846358	557126	1904	160.88	14.37	0	0	0	0	0	0	1% limonite	
82-VH-0099	70 52	115 00	11	7863565	573155	1862	86.65	10.68	0	0	0	0	0	0	trace limonite	
82-VH-0100	70 48	115 17	11	7855811	563006	1531	108.96	10.12	0	0	0	0	0	0		
82-VH-0101	70 51	115 29	11	7861190	555528	1718	65.55	10.88	0	0	0	0	0	0		
82-VH-0104	70 53	116 28	11	7864295	519493	1879	148.43	7.6	0	1	1?	0	0	0		
82-VH-0105	70 55	116 44	11	7867957	509732	112	19.07	.64	0	0	0	0	0	0		
82-VH-0106	70 55	117 06	11	7867938	496351	1629	23.82	1.98	0	0	0	0	0	0		
82-VH-0107	70 49	117 16	11	7856804	490219	1620	78.87	25.14	0	0	0	0	0	0		
82-VH-0108	70 48	117 40	11	7855054	475528	1760	112.08	19.2	0	0	0	0	0	0		
82-VH-0109	70 48	117 49	11	7855121	470023	1334	86.5	24.47	0	0	0	0	0	0		
82-VH-0110	70 48	117 49	11	7855121	470023	1141	86.89	19.49	0	0	0	0	0	0		
82-VH-0126	70 40	116 29	11	7840134	519092	1324	80.37	17.28	0	0	0	0	0	0	trace limonite	
82-VH-0133	70 40	116 29	11	7840134	519092	1542	139.11	2.59	0	0	0	0	0	0		
82-VH-0135	70 55	117 33	11	7868026	479930	1553	20.61	2.09	0	0	0	0	0	0		
82-VH-0136	70 58	117 23	11	7873555	486048	1008	72.49	6.01	0	0	0	0	0	0		
82-VH-0137	71 04	117 24	11	7884713	485514	1266	115.56	30.44	0	0	0	3	1	0		
82-VH-0138	71 13	116 58	11	7901395	501197	1467	142.03	39.67	1?	2?	0	2	11	0	PYR?-red;1 CHR-good ,VA;CD-SA-A	
82-VH-0139	71 25	115 46	11	7924151	543866	1965	247.23	19.47	0	0	0	7	2	0	CHR-A-SA,1-R.S.;CD-SA	
82-VH-0140	71 23	114 49	11	7921382	577780	1923	176.09	27.01	0	0	0	0	0	0		

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
82-VH-0141	71 15	114 49	11	7906523	578316	1827	118.5	16.6	0	0	0	0	0	0	
82-VH-0142	71 07	113 59	12	7892896	392272	2205	207.32	2.58	0	0	0	2	0	0	
82-VH-0143	71 04	114 01	11	7887326	608003	1706	196.64	2.36	2?	0	0	0	0	0	PYR?-pink-purple-poss. cor.?
82-VH-0144	71 05	114 32	11	7888334	589235	2191	257.29	6.61	0	0	0	2	0	0	
82-VH-0145	71 04	114 51	11	7886047	577849	1858	179.33	0.47	0	0	0	0	1?	0	trace limonite
82-VH-0146	71 05	115 02	11	7887671	571153	1147	202.72	4.38	0	1	0	0	0	0	trace limonite; clay encrusted grains
82-VH-0147	71 05	115 02	11	7887671	571153	105	50.66	0.44	0	0	0	0	0	0	
82-VH-0148	71 10	116 02	11	7896097	534830	2237	150.16	75.40	0	0	0	0	0	0	
82-VH-0149	71 07	116 38	11	7890282	513246	954	41.1	6.6	0	0	0	0	0	0	
82-VH-0150	71 04	116 58	11	7884666	501206	1453	92.84	22.14	0	0	0	0	0	0	
82-VH-0151	72 23	117 54	11	8031749	469598	1577	92.29	18.16	0	1	0	0	0	0	
82-VH-0152	72 29	117 50	11	8042871	472005	1856	76.39	17.95	0	0	0	0	0	0	
82-VH-0153	72 33	117 26	11	8050170	485497	1672	96.94	16.21	0	0	0	0	0	0	
82-VH-0154	72 40	117 10	11	8063144	494456	1640	123.61	21.66	0	0	0	0	0	0	
82-VH-0155	72 48	117 10	11	8078014	494498	1931	73.58	20.18	0	0	0	0	0	0	
82-VH-0156	72 48	117 10	11	8078014	494498	978	49.01	8.55	0	0	0	0	0	0	
82-VH-0157	72 46	116 40	11	8074322	511022	1712	67.61	8.14	0	0	0	0	0	0	trace limonite
82-VH-0158	72 41	116 37	11	8065028	512735	1524	78.1	15.12	0	0	0	0	0	0	
82-VH-0159	72 30	116 36	11	8044584	513426	1721	392.9	62.35	0	0	0	0	0	0	
82-VH-0160	72 24	116 23	11	8033492	520814	1795	82.08	11.67	0	0	0	0	0	0	trace limonite
82-VH-0161	72 21	116 24	11	8027908	520306	1885	118.04	11.20	0	0	0	0	0	4	oth: hot pink coating on grains
82-VH-0162	72 21	116 24	11	8027908	520306	2350	117.41	14.7	0	0	0	0	0	0	
82-VH-0163	72 20	116 22	11	8026057	521452	1563	157.88	27.06	0	0	0	0	1	2	oth:1 pale cor.,1 purple?;CD - poor
82-VH-0164	72 13	115 00	11	8014070	568170	1676	148.72	8.6	0	0	0	0	1?	0	CD - pale , questionable

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
82-VH-0165	72 20	114 45	11	8027370	576201	1555	128.16	14.86	0	0	0	0	1	0	
82-VH-0166	72 20	114 33	11	8027635	582971	1456	107.17	22.45	0	0	0	0	0	0	
82-VH-0167	72 17	114 28	11	8022179	586026	1785	125.6	8.09	0	0	0	0	0	1	oth: pale purple-blue grain-fluorite?
82-VH-0168	72 17	114 28	11	8022179	586026	1563	76.8	17.77	0	0	0	0	2	0	
82-VH-0169	71 58	114 28	11	7986891	587512	1243	96.63	11.91	0	0	0	0	0	0	
82-VH-0170	71 50	114 38	11	7971787	582343	2069	148.58	15.28	0	0	0	0	0	0	
82-VH-0171	71 51	114 46	11	7973472	577635	1822	118.67	15.64	0	0	0	0	0	0	trace limonite
82-VH-0172	71 51	114 46	11	7973472	577635	1974	136.21	22.13	0	0	0	0	0	0	
82-VH-0173	71 53	114 53	11	7977038	573453	2378	180	5.81	0	0	0	0	1	0	
82-VH-0174	71 51	115 21	11	7972818	557364	1355	97	1.85	0	0	0	0	1	0	trace limonite
82-VH-0175	71 55	115 21	11	7980256	557160	1397	152	2.11	0	0	0	0	1	0	
82-VH-0176	71 58	115 37	11	7985599	547794	1807	223	2.2	0	0	0	0	0	0	
82-VH-0177	71 57	116 04	11	7983438	532277	2016	261	10.63	0	0	0	0	0	0	
82-VH-0178	71 51	116 04	11	7972285	532449	98	180.39	5.81	0	0	0	0	0	0	
82-NJ-0301	69 47	115 46	11	7741641	547445	827	96.75	1.85	0	0	0	0	0	0	
82-NJ-0302	69 29	111 47	12	7707903	469485	583	152.29	2.11	0	0	0	0	0	0	
82-NJ-0304	69 28	111 42	12	7706750	472602	719	261.27	10.63	0	0	0	0	0	0	
82-NJ-0305	69 29	111 34	12	7707812	477700	683	171.73	0.47	0	0	0	0	0	0	trace limonite
82-NJ-0306	69 29	112 05	12	7708081	457750	641	103	0.24	0	0	0	1	0	0	
82-NJ-0307	69 29	112 05	12	7708081	457750	490	66	0.54	0	2?	0	0	0	0	trace limonite
82-NJ-0308	69 29	112 05	12	7708081	457750	605	105	0.37	0	0	0	0	0	0	
82-NJ-0309	69 29	112 05	12	7708081	457750	536	80	0.28	0	0	0	0	0	0	
82-NJ-0310	69 29	112 05	12	7708081	457750	474	62	0.35	0	0	0	0	1	0	
82-NJ-0311	69 29	112 05	12	7708081	457750	404	82	0.62	0	3?	0	0	2	gah	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
82-NJ-0312	69 29	112 05	12	7708081	457750	635	86	0.53	0	0	0	0	0	0	
82-NJ-0313	69 29	112 05	12	7708081	457750	295	48	0.33	0	0	0	0	0	0	
82-NJ-0314	70 13	114 10	11	7792717	606856	1736	573	2.37	0	0	0	1	0	0	CHR - poss. Cr-enriched rim
82-NJ-0315	70 06	113 10	12	7778318	417577	870	192	1.12	0	0	0	0	0	0	
82-NJ-0316	70 00	113 25	12	7767531	407643	696	106	0.47	0	0	0	0	3	0	CD - 2 good
82-NJ-0317	70 06	112 38	12	7777678	438083	784	140	0.88	0	0	1	0	0	0	
82-NJ-0318	70 03	112 16	12	7771778	451640	691	143	0.38	0	0	0	0	1	0	
82-NJ-0319	70 33	116 40	11	7827071	512387	815	69	7.09	0	0	0	0	0	0	
82-NJ-0320	70 14	115 13	11	7792330	567190	497	149	0.45	0	0	0	0	0	0	
82-NJ-0321	69 47	112 23	12	7741765	446770	777	151	2.88	0	0	0	0	0	0	
82-NJ-0322	69 47	112 23	12	7741765	446770	268	48.45	2.33	0	0	0	0	0	0	
82-NJ-0323	69 47	112 29	12	7741855	442914	1153			0	0	0	0	0	0	
82-NJ-0324	69 15	112 20	12	7682631	447414	888	146	1.28	0	0	0	0	0	0	
82-NJ-0325	69 04	112 27	12	7662672	442195	989	157	2.46	0	0	0	0	0	0	
82-NJ-0326	69 04	112 27	12	7662672	442195	511	112	1.88	0	0	0	0	0	0	trace limonite
82-NJ-0327	69 04	112 20	12	7662563	446978	677	135	2.4	0	0	0	0	0	0	trace limonite
82-NJ-0328	69 02	111 49	12	7657747	467249	999	200	3.74	0	0	0	0	0	0	
82-NJ-0329	68 43	111 41	12	7623113	472458	609	65	3.14	0	0	0	0	0	0	
82-NJ-0330	68 45	111 34	12	7626413	476944	539	96	1.18	0	0	0	0	0	0	
82-NJ-0331	68 45	111 34	12	7626413	476944	508	52.88	5.09	0	0	0	0	0	0	trace limonite
82-NJ-0332	68 43	111 19	12	7622995	487039	1087	216	5.6	0	0	0	0	0	0	
82-NJ-0334	68 40	110 27	12	7617486	522327	737			0	0	0	0	0	0	
82-NJ-0335	68 38	110 24	12	7613045	524400	998			0	0	0	0	0	0	
82-NJ-0336	68 38	110 24	12	7613045	524400	415	61.91	8.48	0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
82-NJ-0337	68 59	111 04	12	7651954	497198	933	71.75	4.18	0	0	0	0	0	1	oth:unknown mineral
82-NJ-0339	69 47	117 04	11	7741165	497300	739	41.06	1.77	0	0	0	0	0	0	
82-NJ-0341	69 37	116 34	11	7723379	516713	116			0	0	0	0	0	sul	trace limonite
82-NJ-0342	69 29	116 20	11	7704507	526248	830	191	1.64	0	0	0	1	1?	0	
82-NJ-0343	69 31	115 55	11	7712541	542172	480	35.32	1.51	0	0	0	0	0	sul	trace limonite
82-NJ-0344	69 32	115 20	11	7714174	565175	388	34.29	1.06	0	0	0	0	0	0	
82-NJ-0345	69 31	115 17	11	7713113	567158	1377			0	0	0	0	0	0	
82-NJ-0346	69 29	115 14	11	7708710	569238	588			0	0	0	0	0	0	trace limonite
82-NJ-0347	69 21	114 32	11	7695172	597195	580	48.73	1.28	0	0	0	0	0	0	
82-NJ-0348	69 19	114 17	11	7692247	607176	681	67.57	2.84	0	0	0	0	0	0	
82-NJ-0349	69 19	114 17	11	7692247	607176	792	49.67	0.83	0	0	0	0	0	0	
82-NJ-0350	69 21	114 16	11	7695607	607420	808	60.15	1.42	0	0	0	0	0	0	
82-NJ-0352	69 47	114 13	11	7743604	607207	151	49	0.42	0	0	0	0	0	0	
82-NJ-0353	69 32	115 20	11	7714174	565175	1115			0	0	0	0	0	0	trace limonite
82-NJ-0354	70 04	110 49	12	7773514	506848	1214	184.25	9.03	0	0	0	0	0	0	
82-NJ-0355	70 04	110 39	12	7773542	513316	1054			0	0	0	0	0	0	trace limonite
82-NJ-0356	69 55	111 37	12	7756897	476242	596	60.08	1.2	0	1?	0	0	0	0	
82-NJ-0357	69 50	111 27	12	7746803	482682	709	39.09	1.27	0	0	0	0	0	0	
82-NJ-0358	69 21	111 26	12	7693271	483076	1280	105.95	3.24	0	0	0	0	0	0	trace limonite
82-NJ-0359	69 26	111 20	12	7702168	487060	613	48.49	3.41	0	0	0	0	0	0	trace limonite
82-NJ-0360	69 15	110 41	12	7682093	512653	771	79.09	2.37	0	0	0	0	1?	sul	CD - pale; trace limonite
82-NJ-0361	69 15	110 41	12	7682093	512653	261	52.03	.41	0	0	0	0	0	sul	trace limonite
82-NJ-0362	69 15	110 33	12	7682126	517793	1103	89.00	1.26	0	0	0	0	0	0	trace limonite
82-NJ-0364	69 18	110 11	12	7687852	532348	688	69.54	1.68	0	0	0	1	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
82-NJ-0365	69 24	110 34	12	7698847	516885	930	10.03	3.65	0	0	0	0	0	0	
82-NJ-0366	69 28	112 44	12	7707551	432294	928	92.56	2.54	0	0	0	0	0	0	
82-NJ-0367	69 36	112 51	12	7722179	428038	281	58	0.41	0	0	0	0	0	0	
82-NJ-0702	71 18	115 15	11	7911592	562617	1461	122	125.48	0	0	0	0	0	0	Very large sample
82-NJ-0703	71 18	115 08	11	7911717	566791	1025	115	72.98	0	0	0	0	3	0	Large sample
82-NJ-0704	72 33	114 51	11	8051406	571951	940	27	0.41	0	0	0	0	0	0	
82-NJ-0705	71 33	115 22	11	7939351	557689	1221	42	7.43	0	0	0	0	0	0	
83-NJ-0029	69 47	116 48	11	7741176	507715	479	36.36	.96	0	0	0	0	0	0	trace limonite
83-NJ-0033	69 48	116 39	11	7743432	513488	439	48.09	1.91	0	0	0	0	0	0	
83-NJ-0370	69 53	110 56	12	7752317	502687	750	52.88	3.67	0	0	0	0	0	0	trace limonite
83-NJ-0371	69 53	110 48	12	7752328	507678	726	69.12	1.68	0	0	0	0	0	0	trace limonite
83-NJ-0372	69 50	110 33	12	7746803	517318	523			0	0	0	0	0	0	trace limonite
83-NJ-0373	69 53	110 56	12	7752317	502687	504									No sample
83-NJ-0374	69 53	110 56	12	7752317	502687	543									No sample
83-NJ-0375	69 53	110 56	12	7752317	502687	592	49.38	2.09	0	0	0	0	0	0	trace limonite
83-NJ-0376	69 53	110 56	12	7752317	502687	497	41.5	1.92	0	0	0	0	0	0	trace limonite
83-NJ-0377	69 53	110 56	12	7752317	502687	481			0	0	0	0	0	0	trace limonite
83-NJ-0378	69 53	110 56	12	7752317	502687	632	93	0.11	0	0	0	0	0	0	
83-NJ-0379	69 53	110 56	12	7752317	502687	197	31	0.11	0	0	0	0	0	0	
83-NJ-0380	69 53	110 56	12	7752317	502687	525	65	0.2	0	0	0	0	0	0	
83-NJ-0383	69 20	113 05	12	7692373	418070	909	210	0.6	0	0	0	0	1	0	trace limonite; CD - good, likely med.- high Cr
83-NJ-0384	69 20	113 05	12	7692373	418070	669	184	0.8	0	0	0	0	4	0	
83-NJ-0385	69 22	113 06	12	7696858	417436	851	128	0.77	0	0	0	0	0	0	
83-NJ-0386	69 38	113 39	12	7726667	397078	591	116	0							No grains

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
83-NJ-0387	69 58	115 53	11	7762375	542694	549	99	0.57	0	0	0	0	1	0	
83-NJ-0388	69 58	115 53	11	7762745	542813	554	49	1.09	0	0	0	1	1	0	
83-NJ-0389	70 04	115 46	11	7773976	546792	984	128	0.09	0	0	0	0	3	0	CD - 2 likely good
83-NJ-0390	70 04	115 46	11	7773976	546792	1073	147	0.06	0	0	0	0	1	0	CD - good
83-NJ-0391	69 12	113 22	12	7678301	406091	439	100	0.03	0	0	0	0	0	0	
83-NJ-0392	69 12	113 22	12	7678301	406091	291	54	0.35	0	2	1	0	0	0	trace limonite
83-NJ-0393	69 12	113 22	12	7678301	406091	317	65	0.26	0	0	0	0	0	0	
83-NJ-0394	69 12	113 22	12	7678301	406091	252	68	0.29	0	1	0	1	0	0	
83-NJ-0395	69 12	113 22	12	7678301	406091	232	56	0.26	0	0	0	0	0	0	
83-NJ-0396	69 12	113 22	12	7678301	406091	383	63	0.3	0	0	0	0	1?	0	
83-NJ-0397	69 49	116 41	11	7745288	512196	362	72	0.37	0	2	0	2	1?	0	
83-NJ-0398	69 49	116 41	11	7745656	512321	306	69	0.42	0	0	0	0	0	0	
83-NJ-0399	69 49	116 41	11	7745656	512321	282	55	0.37	0	0	0	0	0	0	
83-NJ-0400	69 49	116 41	11	7745288	512196	310	60	0.16	0	0	0	0	0	0	
83-NJ-0401	69 49	116 41	11	7745656	512321	367	81	0.38	0	1	0	1	0	0	
83-NJ-0402	69 14	113 12	12	7681393	412945		183	1.47	0	0	0	0	0	0	
83-NJ-0403	69 39	114 46	11	7728250	586663	869	147	0.86	0	0	0	0	0	0	
85-NJ-0003	70 45	106 33	13	7816427	450330	228	59	0.11	0	0	0	0	0	0	
85-NJ-0009	70 28	106 16	13	7818609	452617	1152	35	0.09	0	0	0	0	0	0	
85-NJ-0012	70 28	106 15	13	7818594	453363	316	23	0.03	0	0	0	0	0	0	
85-NJ-0013	70 28	106 15	13	7818594	453363	147	13	0.05	0	0	0	0	0	0	
85-NJ-0016	70 27	106 21	13	7816443	449583	447	33	0.18	0	0	0	1	0	0	trace limonite
85-NJ-0017	70 27	106 21	13	7816443	449583	430	37	0.05	0	0	0	3	0	0	
85-NJ-0018	70 27	106 21	13	7816443	449583	853	59	0.1	0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
85-NJ-0019	70 27	106 21	13	7816443	449583	635	38	0.01	0	0	0	0	0	0	
85-NJ-0020	70 27	106 21	13	7816443	449583	684	48	0.32	0	0	0	0	0	0	
85-NJ-0023	70 39	107 26	13	7839987	410156	134	20	0.37	0	0	0	0	0	0	
85-NJ-0024	70 39	107 26	13	7839987	410156	231	37	0.07	0	0	0	0	0	0	
85-NJ-0026	70 39	107 26	13	7839987	410156	84	12	0.18	0	0	0	0	0	0	
85-NJ-0027	70 39	107 26	13	7839987	410156	210	27	0.41	0	0	0	0	0	0	
85-NJ-0029	70 39	107 26	13	7839987	410156	698	106	0.33	0	0	0	0	2	0	CD - SR
85-NJ-0030	70 38	107 23	13	7837685	411916	515	63	0.11	0	0	0	0	0	0	
85-NJ-0031	70 38	107 23	13	7837685	411916	650	82	0.15	0	0	0	0	0	0	
85-NJ-0033	70 39	107 32	13	7840138	406460	97	14	0.03	0	0	0	0	0	0	
85-NJ-0034	70 39	107 32	13	7840138	406460	223	34	0.03	0	0	0	0	0	0	
85-NJ-0035	70 39	107 32	13	7840138	406460	332	52	0.1	0	0	0	0	0	0	
85-NJ-0036	70 39	107 32	13	7840138	406460	197	31	0.04	0	0	0	0	0	0	
85-NJ-0047	69 34	106 51	13	7718835	427937	68	2	0							No grains in vial
85-NJ-0500	70 25	106 14	13	7813003	453996	203	28	0.12	0	0	0	0	0	0	trace limonite
87-NJ-0006	69 21	116 02	11	7693512	538047	898	18.62	0.54	0	0	0	0	0	0	
87-NJ-0023	69 22	115 57	11	7695425	541294	1353		3.62	0	0	0	0	0	0	
87-NJ-0024	69 22	115 57	11	7695425	541294	769			0	0	0	0	0	sul	trace limonite
87-NJ-0025	69 22	115 57	11	7695425	541294	443	44	0.17	0	0	0	0	0	0	
87-NJ-0033	70 39	107 32	12	7841848	628143	366	<1	<1	0	0	0	0	0	0	
87-NJ-0036	70 39	107 32	12	7841848	628143	538	4	2	0	0	0	0	0	0	
87-NJ-0046	70 41 30	107 37	12	7846315	624804	664	41.87	0.48	0	0	0	0	0	0	
82-SBB-0003	69 40	116 11	11	7729110	531795	209	69	0.58	0	0	0	0	0	0	
82-SBB-0006	69 37	116 08	11	7723561	533813	111	30	0.04	0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.
Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
82-SBB-0014	69 38	116 29	11	7724522	520201	235	92	0.42	0	2?	0	0	1?	0	
82-SBB-0020	69 36	116 22	11	7721217	524509	190	53	0.09	0	0	0	0	0	0	
82-SBB-0023	69 47	115 47	11	7741633	547059	416	108	0.59	0	0	0	1	0	0	trace limonite
82-SBB-0025	69 43	115 53	11	7734869	543325	565	109	0.14	0	0	0	1	0	0	
82-SBB-0026	69 43	115 56	11	7734835	541391	375	106	0.98	0	0	0	0	3	gah	CD - 2 good, 1 exc
82-SBB-0027	69 42	116 25	11	7732349	522458	1001	143	1.85	0	0	0	0	0	0	
82-SBB-0043	69 42	116 25	11	7732349	522458	107	33	0.09	0	0	0	0	1	0	CD - pale
82-SBB-0046	69 42	116 13	11	7735873	536732	116	52	0.14	0	0	0	0	0	0	
82-SBB-0058	69 28	111 55	12	7696835	463448	525	62	0.59	0	2	0	0	1	0	CD - pale
82-SBB-0069	69 24	111 47	12	7698982	469372	784	148	0.55	0	0	0	0	0	0	
82-SBB-0092	69 21	112 00	12	7693533	460642	464	129	1.02	0	0	0	0	0	0	
82-SBB-0105	69 38	112 00	12	7724754	461153	402	130	0.7	0	0	0	2	1	0	
82-SBB-0107	69 29	111 47	12	7707903	469485	815	113	0.35	0	0	0	0	0	0	
82-SBB-0114	69 28	111 42	12	7706750	472602	801	218	1.69	0	1?	0	0	0	0	
82-SBB-0125	69 33	112 23	12	7716122	446191	829	176	1.22	0	0	0	0	1	0	
82-SBBH-0006	69 29	112 05	12	7708081	457750	805	49	0.26	0	0	0	0	0	0	
82-SBBH-0007	70 11	113 09	12	7787208	418651	512	85	0.4	0	0	0	0	0	0	
82-SBBH-0008	70 01	112 46	12	7768908	432507	1195	86	0.19	0	2	0	0	0	0	trace limonite
82-SBBH-0015	70 09	112 31	12	7783145	442400	1202	441	1.12	0	0	0	0	0	0	
82-SBBH-0016	70 11	112 15	12	7786257	452698	577	64	0.32	0	0	0	0	0	0	
82-SBBH-0025	70 13	112 11	12	7790665	455434	428	33	0.06	0	0	0	0	0	0	
82-SBBH-0032	70 03	117 04	11	7771275	497334	1503	72	0.31	0	0	0	0	0	0	
82-SBBH-0033	70 01	117 14	11	7767945	491229	1052	31	0.26	0	0	0	2	0	0	
82-SBBH-0038	70 02	117 16	11	7769066	489708	875	109	0.52	0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
82-SBBH-0039	69 49	113 31	12	7747627	402999	1033	132	0.93	0	0	0	0	0	0	
82-SBBH-0040	69 47	112 55	12	7742328	425946	829	112	1.77	0	0	0	0	0	0	trace limonite
82-SBBH-0042	69 47	112 35	12	7741952	439057	622	82	0.17	0	0	0	0	0	0	
82-SBBH-0047	69 13	112 04	12	7679085	457634	722	102	1.47	0	0	0	0	0	0	
82-SBBH-0056	68 52	110 54	12	7640805	504021	964	13	0.13	0	0	0	0	0	0	
82-SBBH-0057	69 55	117 09	11	7756783	494252	712	93	0.73	1	0	0	0	0	0	PYR?-milky,poss. almand.?
82-SBBH-0060	69 45	116 58	11	7740055	494211	527	230	1.71	0	0	0	1	0	0	
82-SBBH-0062	69 25	116 23	11	7701141	524323	632	88	0.49	0	0	0	0	0	0	trace limonite
82-SBBH-0066	69 30	116 03	11	7710227	537130	1166	261	0.93	0	0	0	0	1	0	
82-SBBH-0082	69 32	115 20	11	7714174	565175	1013	138	0.4	0	0	0	0	0	0	trace limonite
82-SBBH-0086	70 05	112 44	12	7775553	434222	924	135	0.22	0	0	0	0	0	0	
82-SBBH-0088	69 22	111 36	12	7695557	476407	835	130	0.81	0	0	0	0	0	0	trace limonite
82-SBBH-0091	69 20	111 24	12	7691033	484242	713	111	0.59	0	1?	0	0	1?	0	
82-SBB-I10-1	69 24	110 25	12	7698895	522775	1129			0	0	0	0	1	0	CD - pale , unlikely CD
82-SBB-I11-3	68 49	112 18	12	7634666	447584	329	26.57	1.44	0	0	0	0	0	0	
82-SBB-I14-2	68 57	112 00	12	7648934	459915	425	36.21	1.2	0	0	0	0	0	sul	
82-SBB-I14-4	69 48	111 21	12	7743432	486512	325		1.35	0	0	0	0	0	0	
82-SBB-I15-2	69 42	111 20	12	7732276	487222	126	25.23	1.61	0	0	0	0	0	sul	trace limonite
82-SBB-I17-4B	70 09	111 24	12	7782476	484841	495			0	0	0	0	0	0	trace limonite
82-SBB-I18-3	70 48	112 12	12	7855355	455955	58			0	0	0	0	0	8	oth: 6 sulph; 2 purple-blue grains
82-SBB-I21-1	71 36	113 42	12	7946274	404903	285			0	0	0	0	0	2	oth: unusual coating-alteration?
82-SBB-I21-4	71 22	113 29	12	7919944	411462	561	44.14	4.08	0	0	1	0	0	sul	
82-SBB-I23-1A	73 06	114 30	11	8113166	581101	821	61.79	5.93	0	0	0	0	0	sul	
83-SBB-0002	69 54	110 56	12	7754547	502685	1114			0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
83-SBB-0015	69 52	111 05	12	7751202	496927	134	14.85	.52	0	0	0	0	0	5	oth: 5 purple-blue grains; trace limonite; sulph
83-SBB-0021	69 45	111 03	12	7737819	498069	165	14.89	.28	0	0	0	0	0	0	trace limonite
83-SBB-0064	69 46	115 41	11	7740599	550940	371		1.25	0	0	0	0	0	0	Sample colour: very light
83-SBB-0069	69 44	115 10	11	7736647	570750	1154	162.6	4.46	0	0	0	0	0	0	
83-SBB-0073	69 45	115 13	11	7738820	568753	361			0	0	0	0	0	0	trace limonite
83-SBB-0094	69 53	110 56	12	7752317	502687	140	70.88	.72	0	0	0	0	0	0	trace limonite
83-SBB-0097A	70 07	116 42	11	7779108	511386	649			0	0	0	0	0	1	trace limonite; sul; oth:unusual pink grain
83-SBB-0105	69 11	113 17	12	7675937	409573	814	62.15	2.1	0	0	1	0	0	sul	poss IL-magnetite exsolution
83-SBB-0123-3A	70 08	116 46	11	7780212	508725	10			0	0	0	0	0	0	trace limonite
84-SBB-0014	68 58	107 47	13	7653216	391893	786			0	0	0	0	0	0	
84-SBB-0019	68 58	107 53	13	7653359	388692	1862	199.43	2.81	0	0	0	0	0	sul	trace limonite
84-SBB-0023	69 01	107 55	13	7659189	383355	1311			0	0	0	0	0	0	
84-SBB-0029	69 04	107 49	13	7673236	393571	1250	144.97	1.64	0	0	0	0	0	0	trace limonite
84-SBB-0033	69 04	107 40	13	7674927	406755	1133	121	0.5	0	0	0	0	0	0	
84-SBB-0042	69 53	104 55	13	7752317	503071	1160	139.38	2.28	0	0	0	0	0	0	trace limonite
84-SBB-0055	69 54	104 57	13	7754546	501918	1016	76.58	1.68	0	0	0	0	0	0	
84-SBB-0061	69 53	104 55	13	7752317	503071	797	88	0.57	0	0	0	0	0	0	
84-SBB-0071	69 55	104 54	13	7756779	503832	1334		2.31	0	0	0	0	0	0	
84-SBB-0076	69 39	105 44	13	7726835	471668	1969	162.68	3.91	0	0	0	1	0	sul	
84-SBB-0079	69 39	105 43	13	7729065	471694	1278	110.75	3.76	0	0	0	0	0	0	
84-SBB-0109	69 50	105 38	13	7749095	475779	1197	140.28	4.17	0	0	0	0	0	0	
84-SBB-0120	69 59	106 22	13	7764055	447657	349	7.62	0.24	0	0	0	0	0	0	
84-SBB-0124	69 34	106 50	13	7718812	428715	826	13.84	.67	0	0	0	0	0	2	trace limonite;oth:unusual pink grain
84-SBB-0125	69 34	106 50	13	7718812	428715	743	102	0.43	0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
84-SBB-0126	69 29	106 50	13	7708779	428415	1273	229	0.66	0	4	0	1	1	0	CD - R.S.
84-SBB-0127	69 29	106 45	13	7708688	431544	2807	471	0.94	0	0	0	0	0	0	
84-SBB-0134	69 11	107 52	13	7676920	386186	879	136	0.86	0	0	0	0	0	0	
84-SBB-0139	69 07	107 56	13	7670348	383489	1638	245	1.72	0	0	0	0	0	0	CD - 1 good, 1 pale
84-SBB-0143	68 58	108 44	12	7652519	590897	1338	227	1.08	0	0	0	0	2	0	
84-SBB-0144	69 05	108 54	12	7664536	583672	1699	243	1.61	0	0	0	0	0	0	
84-SBB-0157	68 56	109 54	12	7646704	584283	2283	372	4.03	0	1	0	0	1	0	
84-SBB-0158	69 09	111 34	12	7671015	477358	3693	394	2.12	0	0	0	0	0	0	
84-SBB-0159	69 13	111 32	12	7678806	479014	780	91	0.11	0	0	0	0	0	0	
84-SBB-0173	69 26	110 30	12	7704443	519588	1402	163	1.26	0	0	0	0	0	0	
84-SBB-0184	69 37	111 02	12	7724436	498835	1144	140	0.84	0	0	0	0	0	0	
84-SBB-0185	69 38	110 58	12	7724436	501165	909	133	0.82	0	0	0	1	0	0	
84-SBB-0186	69 41	110 48	12	7730024	507752	1211	143	0.68	0	0	0	0	0	0	
84-SBB-0191	69 35	110 00	12	7719178	538939	1589		1.82	0	0	0	0	0	0	
84-SBB-0193	69 32	109 33	12	7715168	594825	698			0	0	0	0	0	0	
84-SBB-0194	69 30	109 15	12	7710126	607556	1578	40.88	0.13	0	0	0	0	0	0	trace limonite
84-SBB-0213	69 31	106 53	13	7713297	426597	432			0	0	0	0	0	0	
85-SBB-0302	69 48	105 54	13	7743649	465316	501			0	0	0	0	0	0	trace limonite
85-SBB-0304	69 36	105 12	13	7721103	492219	784	54.68	0.90	0	0	0	0	0	0	trace limonite
85-SBB-0312	70 08	104 52	13	7780201	504932	1312	68.60	1.89	1?	0	1	0	1	2	trace limonite;CD-med Cr;pale purple garnet
85-SBB-0314	70 09	104 33	13	7782489	517054	929	98.67	1.00	0	0	0	0	0	0	trace limonite
85-SBB-0329	70 28	105 04	13	7818116	497388	1234		1.43	0	0	0	0	0	0	
85-SBB-0330	70 36	104 47	13	7832628	508156	1406		0.77	0	0	0	0	0	0	
85-SBB-0332	70 29	104 24	13	7819340	522376	409	8.84	0.04	0	0	0	0	0	16	oth:strange sulph w/white round crystals

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
85-SBB-0333	70 36	104 08	13	7832844	532253	1472			1?	0	1	0	0	0	PYR?-pale purple-likely almandine
85-SBB-0334	70 35	104 05	13	7830641	534140	1014	90.95	3.29	0	0	1	0	1?	0	trace limonite
85-SBB-0337	70 50	104 09	13	7784881	532182	1470	177.60	6.96	0	0	0	0	0	0	trace limonite
85-SBB-0347	70 23	106 16	13	7805213	453088	1074	17	0.03	0	0	0	0	0	0	
85-SBB-0348	70 20	106 08	13	7802734	532683				0	0	0	1	0	garn	orange & pink, sculptured texture
85-SBB-0349	70 20	106 10	13	7805125	457591	1230	59.25	0.91	0	0	0	0	0	0	trace limonite
85-SBB-0355	70 39	104 09	13	7838409	531433	1038	71.04	1.27	0	0	0	0	0	0	trace limonite;oth:strange sulph w/white crystals
85-SBB-0358	69 32	104 17	13	7713450	528102	1622	119	0.63	0	0	0	0	0	0	
85-SBB-0359	69 18	104 40	13	7687671	513019	861	182	2.07	0	0	0	0	0	0	
85-SBB-0360	69 02	104 13	13	7657726	531154	1046	85	0.36	0	0	0	0	0	0	
85-SBB-0368	70 07	105 58	13	7779373	463187	923	259	0.54	0	0	0	1	2?	sul	CD - very pale
85-SBB-0373	70 17	105 57	13	7797203	464224	1473	205	0.71	0	0	1	0	0	0	
85-SBB-0374	70 23	104 08	13	7808310	532604	1336	175	1.2	0	0	0	0	0	0	
85-SBB-0375	70 07	104 08	13	7779316	533018	1103	198	1	0	0	0	0	0	0	
85-SBB-0380	69 06	103 33	13	7666016	557726	1145	184	3.07	0	0	0	0	2	0	CD - 1 good
85-SBB-0381	69 12	102 40	13	7678240	592324	1374	472	4.53	0	0	0	0	0	0	
85-SBB-0383	69 20	102 23	13	7693189	603190	1162	248	1.32	0	0	0	2	1	0	
85-SBB-0384	69 22	102 23	13	7698761	602951	1163	226	0.15	0	0	0	0	0	0	
85-SBB-0385	69 22	102 23	13	7697646	602999	1169	209	1.97	0	0	0	0	0	0	
85-SBB-0386	69 17	102 47	13	7686994	587644	1366	481	11.64	0	0	0	0	4	0	CD - 2 good
85-SBB-0387	69 26	103 11	13	7703194	571360	919	157	2.27	0	1	0	1	4	0	CD - 1 good
85-SBB-0388	69 28	103 11	13	7707653	571227	946	187	2.89	0	0	0	0	1	0	
85-SBB-0389	69 28	103 11	13	7707653	571227	1442	230	3.55	0	0	0	0	1	0	CD - good
85-SBB-0390	69 31	103 16	13	7713124	567548	1334	125	1.79	0	0	0	0	1	0	CD - good

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
85-SBB-0391	69 28	103 31	13	7707294	557923	817	171	3.05	0	0	0	0	3	0	CD - 3 good
85-SBB-0398	69 58	103 38	13	7762940	552368	1227	311	4.33	0	0	0	0	2	0	
85-SBB-0400	70 02	102 57	13	7770357	578129	1218	381	5.27	0	0	0	0	1	0	CD - 1 good
85-SBB-0401	70 02	102 57	13	7770357	578129	1322	328	3.99	0	0	0	0	0	0	
85-SBB-0402	69 58	102 19	13	7764603	602422	956	177	1.63	0	0	2	0	1	0	
85-SBB-0403	69 58	102 19	13	7764603	602422	967	227	1.7	1?	0	0	0	0	0	
85-SBB-0405	70 06	102 41	13	7778528	588118	1351	31	0.02	0	0	0	0	0	0	
85-SBB-0406	70 14	102 39	13	7793060	588698	1732	337	2.82	0	0	1	0	0	0	
85-SBB-0407	70 14	103 29	13	7792064	557378	1466	249	2.05	0	0	0	0	0	0	
85-SBB-0421	70 06	107 03	13	7778160	422133	1156	42	0.25	0	0	0	0	0	0	
85-SBB-0423	70 22	106 57	13	7808133	426895	1158	122	0.72	0	0	0	0	0	0	
85-SBB-0426	70 44	106 57	13	7848265	428183	1410	117	0.26	0	0	1	0	0	0	
85-SBB-0427	70 44	106 57	13	7848265	428183	1271	136	0.59	0	0	0	0	0	0	
85-SBB-0428	70 41	107 06	13	7842967	419884	1214	25	0.05	0	0	1	0	0	0	
85-SBB-0429	70 49	106 58	13	7876159	428353	1495	133	0.37	0	0	0	0	0	0	
85-SBB-0440	71 12	106 52	13	7900571	432746	1432	146	0.11	0	0	0	0	0	0	
85-SBB-0447	70 57	108 19	12	7873807	597605	1444	42	0.25	0	0	2	0	0	0	trace limonite
85-SBB-0451	70 49	109 09	12	7858184	567829	1072	122	0.72	0	0	0	0	0	0	
85-SBB-0453	70 44	109 18	12	7846958	565590	952	117	0.26	0	0	0	0	0	0	tr lim
85-SBB-0454	70 41	109 19	12	7842393	562030	1065	136	0.59	0	0	0	0	0	0	
85-SBB-0455	70 38	108 54	12	7837303	577725	714	25	0.05	0	0	0	0	0	0	
85-SBB-0456	70 38	107 38	13	7838067	402668	1261	133	0.37	0	0	0	1	0	0	
85-SBB-0457	70 38	107 38	13	7838067	402668	1024	146	0.11	0	0	0	0	0	0	
85-SBB-0458	70 29	107 45	13	7821549	397473	1051			0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
85-SBB-0465	70 16	107 59	13	7798557	387757	1058			0	0	0	0	1?	0	
85-SBB-0471	70 08	105 01	13	7780205	493551	1345	158	0.17	0	0	0	0	0	0	
85-SBB-0479	69 31	105 37	13	7712292	475790	674	88	0.23	0	0	0	0	0	0	
85-SBB-0482	69 47	105 55	13	7741431	464512	1699	282	0.95	0	0	0	0	0	0	
85-SBB-0485	69 35	106 50	13	7719926	428749	1064	32	0.08	0	0	0	0	0	0	
85-SBB-0487	69 34	106 50	13	7718812	428715	594	11	0.04	0	0	0	0	0	0	
85-SBB-0490	69 33	106 50	13	7716582	428649	916	12	0.04	0	0	1	0	0	0	
85-SBB-0491	69 33	106 50	13	7716582	428649	681	13	0.01	0	0	0	0	0	0	
87-SBB-0010	70 29	109 35	12	7819848	552953	895	51.	1.15	0	0	0	0	0	0	tr lim
87-SBB-0022	70 22	109 45	12	7807443	546866	385	23.93	3.41	0	0	0	0	0	0	tr lim
87-SBB-0025	70 46	108 44	12	7853134	583431	964	53.57	6.39	0	0	0	0	0	0	
87-SBB-0038	70 27	109 20	12	7816740	562365	966	67.68	3.54	0	0	0	0	0	0	trace limonite
87-SBB-0039	70 22	109 24	12	7807750	559987	963			0	0	0	0	0	0	trace limonite
87-SBB-0047	70 17	109 26	12	7797687	559121	1111	60.85	.77	0	0	0	0	0	0	
87-SBB-0048	70 18	109 12	12	7800156	567714	1062			0	0	0	0	0	0	trace limonite
87-SBB-0068	71 38	105 11	13	7947503	493668	954	60.99	5.84	0	0	0	0	0	0	
87-SBB-0077	71 22	106 12	13	7918918	457215	1070	60.01	12.9	0	0	0	0	0	0	
87-SBB-0080	71 27	105 38	13	7927533	477630	1053			0	0	0	0	0	0	
87-SBB-0084	71 29	105 12	13	7930775	492909	1164	109.72	4.83	0	0	1	0	0	0	
87-SBB-0085	71 29	105 12	13	7930775	492909	1421			0	0	0	0	0	0	
87-SBB-0092	71 06	105 13	13	7776865	491642	1360			0	0	0	0	1	0	Sample colour: pale beige & pink
87-SBB-0093	71 06	105 13	13	7776865	491642	770	46.45	3.64	0	0	1	0	0	0	trace limonite
87-SBB-0096	70 58	105 29	13	7873948	482531	1602	97.02	2.39	0	0	0	0	0	0	trace limonite
87-SBB-0143	70 57	109 57	12	7871980	538250	1364	7.11	.08	0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH		
87-SBB-0153	71 24	107 08	13	7923176	424184	675	37.73	2.52	0	0	0	0	0	0	trace limonite	
87-SBB-0155	71 40	107 22	13	7953589	416826	775			0	0	0	0	0	0		
87-SBB-0159	71 42	107 30	13	7957117	412405	1695	123.07	3.30	0	0	0	0	1	0	CD - good	
87-SBB-0175	71 52	108 19	13	7977062	384834	1173	84.88	1.47	0	0	0	0	0	0		
87-SBB-0176	71 52	108 19	13	7977062	384834	1686	86.05	2.23	0	0	0	0	0	0		
87-SBB-0180	71 42	108 47	13	7960385	367542	1390	61.8	.89	0	0	0	0	0	2	trace limonite;oth: unusual pink grains	
88-SBB-0007	68.58	109.54	11	7741641	547445	1898	400	2.03	0	0	1	1	1	0		
88-SBB-0008	69 02	109 56	12	7657901	542736	2096	309	1.97	0	0	0	0	0	0		
88-SBB-0016	69 33	107 17	13	7719329	413140	2725	448	0.5	0	0	0	1	0	0		
88-SBB-0017	69 30	107 47	13	7712408	391373	1817	262	2.24	0	0	0	0	0	0		
88-SBB-0026	69 42	104 27	13	7732338	521296	2403	430	1.88	0	0	0	2	0	0		
88-SBB-0030	69 13	103 48	13	7679180	547513	1726	312	1.66	0	0	0	0	0	0		
88-SBB-0044	68 48	110 08	12	7632130	535111	2038	201	2.26	0	0	0	0	1	0		
88-SBB-0047	68 47	110 08	12	7629900	535143	1992	254	2.57	0	0	0	0	0	0		
88-SBB-0050	68 46	110 03	12	7628833	538392	2292	307	3.99	0	0	0	0	0	0		
88-SBB-0051	68 49	109 57	12	7632354	548428	1678	190	2.41	0	0	0	0	0	0		
88-SBB-0055	68 48	110 04	12	7632165	537533	1969	202	2.18	0	0	0	0	0	0		
88-SBB-0060	68 51	110 14	12	7637651	531006	2023	239	1.45	0	0	0	0	0	0		
88-SBB-0065	68 50	110 35	12	7631942	517354	2813	542	7.03	0	0	0	0	0	0		
88-SBB-0070	68 43	110 11	12	7623183	533213	2008	385	5.93	0	0	0	0	0	0		
88-SBB-0082	71 49	107 12	12	7631942	517354	3098	386	1.22	0	0	0	0	0	0		
88-SBB-0089	71 59	108 30	12	7988325	586300	2605	346	2.37	0	0	0	0	0	0		
88-SBB-0094	71 52	108 32	12	7976022	585768	2194	235	3.46	0	0	0	1	0	1	oth: Diamond?,black "ball bearing"	
88-SBB-0095	71 28	108 03	12	7932202	604605	3570	415	0.52	0	0	0	0	0	0		

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
88-SBB-0097	71 33	108 08	12	7940979	601346	2115	325	3.71	0	0	0	0	3	sul	CD - 2 good
88-SBB-0098	71 34	108 13	12	7943059	598067	1484	211	0.78	0	0	0	0	0	0	
88-SBB-0101	71 38	108 20	12	7949571	593894	2320	300	0.67	0	0	0	0	0	0	
88-SBB-0114	71 18	108 33	12	7912461	587653	1982	232	2	0	0	0	2	2	0	
88-SBB-0116	71 15	108 26	12	7907067	592181	2930	260	1.23	0	0	0	0	0	0	
88-SBB-0117	71 17	108 07	12	7910911	603134	3008	394	2.07	0	0	0	1	2?	0	octahedral crystal
88-SBB-0118	71 17	108 07	12	7910911	603134	3506	417	0.94	0	0	0	0	2	0	CD - 1 good
88-SBB-0130	71 27	106 35	13	7928095	446032	3852		2.65	0	0	0	0	0	0	
88-SBB-0131	71 35	106 10	13	7938971	458673	2011		2.25	0	0	0	0	0	0	Sample colour: beige
88-SBB-0137	71 58	105 03	13	7985420	498273	3887	811	3.36	0	0	0	0	0	0	Lim?
88-SBB-0151	71 03	106 02	13	7883119	462668	3231		8.16	0	0	0	0	0	0	Clay encrusted grains
88-SBB-0154	71 18	106 18	13	7908956	453434	2937		2.99	0	0	0	0	0	0	
82-HCA-050711	72 53	110 10	12	8087489	527375	839			0	0	0	0	0	0	
82-HCA-040709	72 51	109 43	12	8084035	542236	947	116	4.87	0	0	0	0	0	0	
82-HCA-040710	72 51	109 42	12	8084047	542786	1004	10	0.13	0	0	0	0	0	0	
82-HCA-050712	72 55	110 02	12	8091280	531697	880	96	3.24	0	0	0	0	6	0	
82-HCA-090705	72 50	112 14	12	8082138	459371	572	38	2.18	0	0	0	0	0	0	
82-HCA-090707	72 45	112 22	12	8072943	454765	1040		10.38	0	0	0	1	0	0	
82-HCA-090708	72 44	112 30	12	8071186	450308	545			0	0	0	0	0	0	trace limonite
82-HCA-090709	72 49	112 27	12	8080447	452189	440	17.10	1.93	0	0	0	0	0	0	trace limonite
82-HCA-100704	72 48	111 56	12	8078246	469196	330	23	1.63	0	0	0	0	0	0	
82-HCA-130703	72 52	112 20	12	8085934	456160	916	40	2.4	0	0	0	0	0	0	trace limonite
82-HCA-170702	70 46	112 49	12	7852205	433214	433	30.51	0.26	0	0	0	0	0	0	trace limonite
82-HCA-170704	70 33	111 59	12	7827333	463457	450	37.05	0.54	0	0	0	0	0	0	trace limonite

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.
Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH		
82-HCA-170706	70 30	111 45	12	7821633	472058	550	73.27	0.23	0	0	0	0	0	0	trace limonite	
82-HCA-170707	70 34	111 44	12	7829064	472770	357	48.05	0.15	0	0	0	0	0	0		
82-HCA-170709	70 27	110 41	12	7815914	511828	349	44.85	0.15	0	0	0	0	0	0		
82-HCA-170710	70 24	110 24	12	7810418	522464	1219			0	0	0	0	0	0	trace limonite	
82-HCA-170711	70 26	110 17	12	7814179	526789	598	56.43	0.89	0	0	0	1	0	0	trace limonite	
82-HCA-170712	70 36	110 06	12	7832860	533365	675	53.29	0.73	0	0	0	0	0	0	trace limonite	
82-HCA-170714	70 41	111 20	12	7841937	487695	783	99.04	2.34	0	0	0	0	0	0	trace limonite	
82-HCA-170717	70 58	112 43	12	7874396	437521	620			0	0	0	0	0	0	trace limonite	
82-HCA-170718	70 56	112 59	12	7870969	427699	403	39.95	0.16	0	0	0	0	0	0	trace limonite	
82-HCA-170719	71 02	113 16	12	7882478	417788	1087			0	0	0	0	0	0	trace limonite	
82-HCA-190605	70 38	112 14	12	7836791	454356	238	21.38	0.02	0	0	0	0	0	0	trace limonite	
82-HCA-200603	70 39	112 02	12	7838515	461788	686	92.25	0.05	0	0	0	0	0	0	trace limonite	
82-HCA-200604	70 37	112 04	12	7834822	460488	641	110.77	0.33	0	0	0	0	0	0	trace limonite	
82-HCA-220701	71 21	113 13	12	7917713	420895	1065	78.75	12.23	0	0	0	0	0	0	1% limonite	
82-HCA-220702	71 27	112 20	12	7927939	452660	861	75.94	3.9	0	0	0	0	0	0	trace limonite	
82-HCA-220703	71 45	112 45	12	7961767	438837	1022		42.87	0	0	0	0	0	0	>95% limonite - large sample	
82-HCA-220704	71 49	112 28	12	7968941	448918	99	6.58	10.42	0	0	0	0	0	0		
82-HCA-220705	71 57	112 03	12	7983504	463688	2294	199.61	83.19	0	0	0	0	0	0	>95% limonite - large sample	
82-HCA-220706	72 05	112 11	12	7998456	459371	1638	187.25	19.05	0	0	0	0	0	0		
82-HCA-220707	72 13	111 50	12	8013134	471593	1650			0	0	0	0	0	sul		
82-HCA-220710	72 15	111 08	12	8016657	495464	1790			0	0	0	0	0	0		
82-HCA-220714	72 32	110 39	12	8048289	511726	1363	111.95	10.85	0	0	0	0	12	0		
82-HCA-220715	72 33	110 05	12	8050352	530683	1370	133.28	1.22	0	0	0	0	0	0	trace limonite	
82-HCA-220717	72 21	110 28	12	8027887	518049	1835	301.11	23.09	0	0	0	0	0	0	2 ol?; trace limonite	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
82-HCA-220721	72 12	109 56	12	8011397	536396	1747	230.59	0.91	0	0	0	0	2	0	trace limonite
82-HCA-220722	72 01	110 00	12	7990914	534460	1511		2.21	0	0	0	0	0	0	trace limonite
82-HCA-220723	71 43	111 13	12	7957178	492412	1796		22.85	1?	0	0	0	0	0	PYR - very pale,reddish-pink
82-HCA-220724	71 39	111 30	12	7949798	482431	1528		2.96	0	0	0	0	0	0	trace limonite
82-HCA-230701	71 58	113 22	12	7986657	418241	1402	149.86	34.14	0	0	0	0	0	0	
82-HCA-230703	72 03	113 07	12	7995623	427200	1534	197.47	29.13	0	0	0	0	0	1	1 olivine? + composite grain of ?
82-HCA-230704	72 04	113 06	12	7997464	427839	1448		1.08	0	0	0	0	0	0	trace limonite
82-HCA-230706	72 09	112 38	12	8006256	444124	1469	175.05	26.85	0	0	0	0	0	0	trace limonite
82-HCA-230707	72 22	112 38	12	8030420	444780	785	60.22	8.18	0	0	0	0	0	0	trace limonite
82-HCA-230708	72 26	112 24	12	8037648	452840	1541		30.45	0	0	0	0	0	0	
82-HCA-230709	72 23	112 16	12	8031973	457212	1806			0	0	0	0	0	0	
82-HCA-230710	72 20	112 10	12	8026327	460481	1507			0	0	0	0	0	sul	
82-HCA-230713	72 26	111 50	12	8037294	471928	1405			0	0	0	0	0	0	
82-HCA-230715	72 34	111 26	12	8052033	485510	1824			0	0	0	0	0	0	
82-HCA-230716	72 34	111 38	12	8052092	478822	1869			0	0	0	0	0	0	
82-HCA-230717	72 40	112 51	12	8064084	438487	1617			0	0	0	0	0	0	
82-HCA-230720	72 51	112 54	12	8084574	437472	1638			0	0	0	0	0	0	
82-HCA-230722	72 53	113 18	12	8088748	424456	1359			0	0	0	0	0	0	
82-HCA-260601	71 33	111 50	12	7938774	470565	464			0	0	0	0	0	0	
82-HCA-260604	71 33	111 52	12	7938791	469386	837			0	0	0	0	0	sul	trace limonite; 1 grain poss. olivine?
82-HCA-270604	71 27	111 50	12	7927621	470412	890			0	0	0	0	0	0	
82-HCA-270605	71 32	111 52	12	7936928	469359	569	37.15	4.45	0	0	0	0	0	0	
82-HCA-280603	71 35	111 30	12	7942358	482369	973	86.68	2.58	0	0	0	0	0	0	
82-HCA-280701	71 43	113 32	12	7959027	411317	1821	51.74	29.16	0	0	0	0	0	0	trace limonite?

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.
Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
82-HCA-280702	71 39	113 19	12	7951287	418610	1090	26.85	35.63	0	0	0	0	0	0	trace limonite?
82-HCA-280705	71 38	111 51	12	7948073	470106	1274			0	0	0	0	0	0	
82-HCA-280707	71 46	110 32	12	7962805	516299	1683		10.07	0	0	0	0	0	0	
82-HCA-280708	71 47	110 15	12	7964757	526169	2054		4.41	0	0	0	1?	0	0	
82-HCA-280709	71 35	110 22	12	7942402	522331	1787		2.98	0	0	0	0	0	0	
82-HCA-280710	71 34	110 12	12	7940621	528234	1892		1.06	0	0	0	0	0	0	PYR? - red, Ang.
82-HCA-280711	71 32	109 53	12	7937073	539479	1565	185.73	0.37	1?	0	0	0	0	0	
82-HCA-280712	71 27	110 14	12	7927589	527224	1450	179.14	0.16	0	0	0	0	0	0	
82-HCA-280713	71 25	110 35	12	7923754	514822	1546			0	0	0	0	0	0	
82-HCA-280714	71 25	110 41	12	7923733	511265	1726		0.48	0	0	0	1	0	0	
82-HCA-280715	71 27	111 12	12	7927428	492898	1429	117.83	0.67	0	0	0	0	0	0	trace limonite?
82-HCA-280716	71 22	111 46	12	7918299	472658	1550	74.14	0.16	0	0	0	0	0	0	
82-HCA-280717	71 14	111 59	12	7903534	464693	1936	153.16	0.04	0	0	0	0	0	0	
82-HCA-280718	71 08	112 17	12	7892584	453685	1637	108.36	0.54	0	0	0	1	0	0	
82-HCA-280719	71 06	112 32	12	7889081	444570	746	69.6	0	0	0	0	0	0	0	
82-HCA-280720	71 07	112 36	12	7891005	442209	697	52.57	0.13	0	0	0	0	0	0	trace limonite
82-HCA-280721	71 05	113 21	12	7888166	414985	1442	223.93	0.17	0	0	0	0	0	0	
82-HCA-300602	71 22	112 14	12	7918574	456020	1251	117.2	15.5	0	0	0	0	0	0	
82-HCA-300604	71 22	112 18	12	7918624	453642	605	112.46	0.74	0	0	0	0	0	0	
82-HCA-310701	70 39	111 30	12	7838266	481509	1634	295.95	0.95	0	0	0	0	0	0	
82-HCA-310702	70 48	111 17	12	7854944	489601	1914	246.02	0.18	0	0	0	0	0	0	
82-HCA-310703	70 49	111 16	12	7856804	490219	1890	272.49	1.01	0	1	0	0	0	0	
82-HCA-310705	70 51	110 43	12	7860519	510373	1643	140.09	5.91	0	0	0	0	2	0	
82-HCA-310707	70 47	110 23	12	7853172	522655	1606			0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.
Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
82-HCA-310708	70 49	110 14	12	7856906	528118	1748	114.31	0.39	1	2	0	0	2?	0	PYR - exc, VA, shard; CD - 1 good ,SA
82-HCA-310709	70 53	110 15	12	7864379	527414	1524		0.69	0	0	0	0	0	0	
82-HCA-310710	70 59	110 14	12	7875539	527883	1731	178.82	0.68	0	0	0	0	0	0	
82-HCA-310712	71 06	110 22	12	7888499	522896	1877		2.2	0	0	0	0	0	0	
82-HCA-310714	71 03	110 37	12	7882847	513893	1899	271.23	1.87	1	5	2	0	0	0	
82-HCA-310715	71 03	111 24	12	7882850	485502	1723	232.48	0.52	0	0	0	0	0	0	PYR - exc, A; trace limonite
82-HCA-310716	71 02	111 47	12	7881124	471585	1898	327.4	0.5	1	0	0	2	0	0	
82-HCA-310719	70 54	111 37	12	7866187	477477	1708		1.76	0	0	0	0	0	0	
86-HCA-020801	73 24	105 02	13	8145200	498900	469	40	0.09	0	0	0	0	0	0	trace limonite
86-HCA-020804	73 28	105 15	13	8151900	492000	436	44	0.12	0	0	0	0	1?	0	
86-HCA-020805	73 30	105 16	13	8156800	491600	268	25	0.06	0	0	0	0	0	0	
86-HCA-020806	73 31	105 19	13	8158700	490200	235	24	0.09	0	0	0	0	0	0	
86-HCA-050807	73 17	104 40	13	8131500	510500	423	66	0.4	0	0	0	0	0	0	
86-HCA-060703	72 03	108 43	12	7996100	578400	240	27	0.07	0	0	0	0	0	0	
86-HCA-060708	72 06	108 39	12	8001900	580300	197	30	0.39	0	0	0	0	0	0	
86-HCA-070706	72 01	108 28	12	7993200	587400	353	46	0.4	0	0	0	0	0	0	
86-HCA-070801	73 18	105 13	13	8133500	492800	208	12	0	0	0	0	0	0	sul	
86-HCA-070806	73 12	105 20	13	8123500	489300	235	30	0.06	0	0	0	0	0	0	
86-HCA-070809	73 13	105 06	13	8124900	497000	145	17	0.06	0	0	0	0	0	0	
86-HCA-080703	72 10	109 02	12	8008300	567200	1229	143	0.79	0	0	0	0	0	0	
86-HCA-080704	72 10	109 09	12	8008600	563300	379	20	0.13	0	0	0	0	0	0	
86-HCA-080705	72 10	109 13	12	8008800	560800	373	70	0.64	0	0	0	0	0	0	
86-HCA-080706	72 08	109 07	12	8005400	564300	117	7	0.05	0	0	0	0	0	0	
86-HCA-080802	72 17	105 24	13	8021000	486300	274	34	0.07	0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.
Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
86-HCA-080804	72 08	105 26	13	8002800	485300	360	47	0.28	0	0	0	0	0	0	
86-HCA-080805	72 09	105 58	13	8006600	466800	450	62	0.18	0	0	1	0	0	0	
86-HCA-080806	72 14	106 20	13	8015000	454500	199	25	0.18	0	0	0	0	0	0	
86-HCA-080807	72 20	106 38	13	8026400	444900	357	27.37	1.55	0	0	0	0	0	0	
86-HCA-090804	72 35	109 06	12	8054700	563300	617			0	0	0	0	0	0	
86-HCA-090805	72 27	108 51	12	8039600	572400	633			0	0	0	0	0	0	trace limonite
86-HCA-090809	72 17	107 29	13	8021800	415700	269	20.87	.29	0	0	0	0	0	0	
86-HCA-090811	72 35	107 42	13	8055800	409600	396	23.38	7.43	0	0	0	0	0	0	
86-HCA-150705	73 09	107 59	13	8120100	403700	298			0	0	0	0	0	0	
86-HCA-150706	73 10	107 59	13	8121300	403500	475	37.53	6.44	0	0	0	0	0	0	
86-HCA-170702	73 06	107 20	13	8113400	424500	485	30.83	2.51	0	0	0	0	0	0	
86-HCA-180701	72 60	107 43	13	8101700	411200	322	24.97	3.63	0	0	0	0	0	0	
86-HCA-190703	73 06	107 59	13	8113600	403100	389			0	0	0	0	0	0	
86-HCA-190707	73 06	107 50	13	8113000	408300	277	19.08	.18	0	0	0	0	0	0	trace limonite
86-HCA-230702	72 47	106 06	13	8075500	463400	282	15.95	.19	0	0	0	0	0	sul	
86-HCA-240706	72 56	106 07	13	8092700	463300	479			0	0	0	0	0	?	oth: unusual grain - gypsum?
86-HCA-250701	72 52	106 30	13	8085500	450500	292	21.84	1.49	0	0	0	0	0	0	
86-HCA-250704	72 51	106 36	13	8083700	447400	544			0	0	0	0	0	0	
86-HCA-260701	72 42	106 23	13	8067800	454000	355	31.52	2.86	0	0	0	0	0	0	
86-HCA-260702	72 41	106 23	13	8065100	454200	457	42.02	.71	0	0	0	0	0	1	oth:purple-blue grain:fluorite
86-HCA-260707	72 37	105 59	13	8058200	467300	349			0	0	0	0	0	0	
86-HCA-260708	72 40	106 03	13	8062900	465000	106	8.16	.75	0	0	0	0	0	0	
86-HCA-270701	72 50	106 07	13	8082800	463100	94			0	0	0	0	0	0	
86-HCA-270702	72 51	105 59	13	8084200	467600	318	21.00	2.36	0	0	0	0	0	0	

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.
Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1 mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
86-HCA-270705	72 44	105 55	13	8070700	469800	351	22.94	2.62	0	0	0	0	0	0	
86-HCA-300701	73 29	104 46	13	8154500	507300	588	51.74	1.41	0	0	0	0	0	0	trace limonite
86-HCA-300702	73 30	104 42	13	8155400	509600	379	35.88	.16	0	0	0	0	0	0	
86-HCA-300711	73 31	104 34	13	8158400	513800	682			0	0	0	0	0	0	
86-HCA-310701	73 24	104 57	13	8145800	501800	364			0	0	0	0	0	0	
86-HCA-310702	73 30	104 36	13	8155200	512600	505	48.02	1.35	0	0	1	0	0	sul	
86-HCA-310703	73 27	104 34	13	8151200	513900	633		6.26	0	0	0	0	0	kyan	oth:kyanite? & oth white min.
Duplicates															
81-VH-0063	70 40	116 23	11	7840168	522787	770	53.42	5.30	0	0	0	0	0	0	trace limonite, duplicate split of 81-VH-0001
81-VH-0064	70 40	116 26	11	7840150	520940	837	70.72	5.43	0	0	0	0	0	0	duplicate split of 81-VH-0005
81-VH-0065	70 48	116 23	11	7855034	522636	639	33.88	7.24	0	0	0	0	0	0	duplicate split of 81-VH-0014
81-VH-0066	72 12	118 12	11	8011482	459057	711	31.49	2.74	0	0	0	0	0	0	duplicate split of 81-VH-0019
81-VH-0067	73 09	114 05	11	8119349	594338	862	24.31	5	0	0	0	0	0	cor?	trace limonite, duplicate split of 81-VH-0049
82-VH-0179	70 44	114 38	11	7849179	587143	1261	166.38	0.22	0	4	3	1	1	0	CD - good, duplicate split of 82-VH-0008
82-VH-0180	70 46	114 38	11	7852902	586998	1317	137.47	0.33	0	0	0	0	0	0	duplicate split of 82-VH-0009
82-VH-0181	71 04	117 58	11	7884945	464992	1143	88.37	7.03	0	0	0	1	0	0	duplicate split of 82-VH-0019
82-VH-0182	71 02	117 54	11	7881182	467352	1369	97.84	14.36	0	0	0	0	0	0	duplicate split of 82-VH-0020
82-VH-0183	72 39	116 13	11	8061443	526073	605	25.12	1.58	0	0	0	0	0	0	duplicate split of 82-VH-0041
82-VH-0184	71 53	117 58	11	7976017	466449	939	148.61	2.59	0	0	0	1	9?	0	duplicate split of 82-VH-0066
82-VH-0185	72 06	116 48	11	7999931	506861	919	59.05	8.15	0	0	0	0	3	0	duplicate split of 82-VH-0078
82-VH-0186	72 51	114 08	11	8085839	594323	1131	53.46	1.24	0	0	0	0	0	0	duplicate split of 82-VH-0082
82-VH-0187	73 20	114 36	11	8139041	576815	1008	49.75	1.45	0	0	0	0	0	0	duplicate split of 82-VH-0088

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.
Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
82-VH-0188	72 40	115 15	11	8063984	558189	919	54.49	2.61	0	0	0	0	0	0	duplicate split of 82-VH-0094
82-VH-0189	70 58	117 23	11	7873555	486048	922	50.64	5.56	0	0	0	0	0	0	duplicate split of 82-VH-0136
82-VH-0190	71 07	116 38	11	7890282	513246	957	59.74	7.76	0	0	0	0	0	0	duplicate split of 82-VH-0149
82-VH-0191	72 48	117 10	11	8078014	494498	981	77.66	6.24	0	0	0	0	0	0	duplicate split of 82-VH-0156
82-VH-0192	71 58	114 28	11	7986891	587512	1223	82.91	0.39	0	0	0	0	0	0	duplicate split of 82-VH-0169
82-NJK-0301	69 29	111 34	12	7707812	477700	441	29.21	0.94	0	0	0	0	0	0	trace limonite, duplicate split of 82-NJ-0305
82-NJK-0302	70 03	112 16	12	7771778	451640	526	37.23	0.71	0	0	0	0	0	0	trace limonite, duplicate split of 82-NJ-0318
82-NJK-0303	69 04	112 20	12	7662563	446978	487	39.25	2.62	0	0	0	0	0	0	duplicate split of 82-NJ-0327
82-NJK-0304	69 55	111 37	12	7756897	476242	535	66.67	1.52	0	0	0	0	0	0	duplicate split of 82-NJ-0356
82-NJK-0305	69 18	110 11	12	7687852	532348	369	30.80	.70	0	0	0	0	0	0	duplicate split of 82-NJ-0364
83-NJK-0404	69 38	113 39	12	7726667	397078	444	71	0.35	0	0	1	0	0	0	duplicate split of 82-NJ-0386
83-NJK-0405	69 58	115 53	11	7762745	542813	620	57	0.14	0	1?	0	1	0	2	oth: garnets, duplicate split of 83-NJ-0388
83-NJK-0406	69 39	114 46	11	7728250	586663	951	163	1.17	0	0	0	0	0	0	duplicate split of 82-NJ-0403
82-SBBK-0002	69 33	112 23	12	7716122	446191	1008	104.58	4.42	0	0	0	0	0	0	trace limonite, duplicate split of 82-SBB-0125
82-SBBK-0003	70 03	117 04	11	7771275	497334	1274	42.33	.84	0	0	0	0	0	0	trace limonite, duplicate split of 82-SBBH-0032
82-SBBK-0004	70 01	117 14	11	7767945	491229	789	50.47	0.42	0	0	0	0	0	0	trace limonite, duplicate split of 82-SBBH-0033
82-SBBK-0005	69 47	112 35	12	7741952	439057	472			0	0	0	0	0	0	trace limonite, duplicate split of 82-SBBH-0042
84-SBBK-0001	69 34	106 50	13	7718812	428715	604	39	0.13	0	0	0	0	0	0	duplicate split of 84-SBB-0125
84-SBBK-0002	69 11	107 52	13	7676920	386186	992		1.39	0	1	1	5	6	0	duplicate split of 84-SBB-0134
84-SBBK-0003	69 38	110 58	12	7724436	501165	723			0	0	0	0	0	0	trace limonite, duplicate split of 84-SBB-0185
84-SBBK-0004	69 32	109 33	12	7715168	594825	867			0	0	0	0	0	0	trace limonite, duplicate split of 84-SBB-0193
85-SBBK-0001	70 50	104 09	13	7784881	532182	949	296	3.31	0	0	0	0	5	0	CD - 1 good, duplicate split of 85-SBB-0337
85-SBBK-0002	70 07	105 58	13	7779373	463187	699	143	1.37	0	0	0	0	1	0	duplicate split of 85-SBB-0368
85-SBBK-0003	69 28	103 31	13	7707294	557923	615	116	0.49	0	0	0	0	0	0	duplicate split of 85-SBB-0391

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH		
85-SBBK-0004	70 57	108 01	12	7874317	608523	784	90	0.34	0	0	0	0	0	0	sul	duplicate split of 85-SBB-0442
85-SBBK-0005	70 38	108 54	12	7837303	577725	517	40	0								No grains, duplicate split of 85-SBB-0455
85-SBBK-0006	69 47	105 55	13	7741431	464512	1210	181	0.91	0	0	0	0	0	0		duplicate split of 85-SBB-0482
87-SBBK-0001	71 06	105 13	13	7776865	491642	510	34.40	1.64	0	0	0	0	0	0		duplicate split of 87-SBB-0093
87-SBBK-0002	71 24	107 08	13	7923176	424184	855	50.46	2.49	0	0	0	0	0	0		duplicate split of 87-SBB-0153
87-SBBK-0003	71 40	107 22	13	7953589	416826	812	37.99	5.41	0	0	0	0	0	0		duplicate split of 87-SBB-0155
88-SBBK-0001	69 02	109 56	12	7657901	542736	1954	305	1.82	0	0	0	0	0	0		duplicate split of 88-SBB-0008
88-SBBK-0002	69 13	103 48	13	7679180	547513	910	164	1.67	0	0	0	0	2	0		CD - 1 good, duplicate split of 88-SBB-0030
88-SBBK-0003	68 51	110 14	12	7637651	531006	1365	176	0.13	0	0	0	1	2	0		duplicate split of 88-SBB-0060
88-SBBK-0004	71 49	107 12	12	7631942	517354	1958	247	1.15	0	0	0	0	1	sul		oth:1 fluorite (blue/purple shard?), duplicate split of 88-SBB-0082
88-SBBK-0005	71 34	108 13	12	7943059	598067	1202	218	0.99	0	0	0	0	1?	0		duplicate split of 88-SBB-0098
88-SBBK-0006	71 18	108 33	12	7912461	587653	1667	232	1.38	0	0	0	0	1?	0		trace limonite; CD - low Cr, duplicate split of 88-SBB-0114
82-HCK-010601	71 02	113 16	12	7882478	417788	564	43.92	1.98	0	0	0	0	0	0		duplicate split of 82-HCA-170719
82-HCK-010602	71 27	112 20	12	7927939	452660	626		0.39	0	0	0	0	0	0		duplicate split of 82-HCA-220702
82-HCK-010603	71 45	112 45	12	7961767	438837	1120										No sample, duplicate split of 82-HCA-220703
82-HCK-010604	72 12	109 56	12	8011397	536396	1554		0.28	0	0	0	0	0	0		duplicate split of 82-HCA-220721
82-HCK-010605	72 22	112 38	12	8030420	444780	812	23.68	.34	0	0	0	0	0	0		duplicate split of 82-HCA-230707
82-HCK-010606	72 26	112 24	12	8037648	452840	1071		3.13	0	0	0	0	0	0		duplicate split of 82-HCA-230708
82-HCK-010607	71 38	111 51	12	7948073	470106	602			0	0	0	0	0	0		Clay encrusted grains, duplicate split of 82-HCA-280705
82-HCK-010608	71 34	110 12	12	7940621	528234	1300			0	0	0	0	1	0		duplicate split of 82-HCA-280710
82-HCK-010609	71 06	112 32	12	7889081	444570	874			0	0	0	0	0	0		duplicate split of 82-HCA-280719
82-HCK-010610	71 07	112 36	12	7891005	442209	820			0	0	0	0	0	0		duplicate split of 82-HCA-280720
82-HCK-010611	70 47	110 23	12	7853172	522655	1326			0	0	0	0	0	0		duplicate split of 82-HCA-310707

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.

Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B1: Victoria Island - Sample Location and Visual Identification

Sample number	Lat	Long	UTM			Weight (g)			Suspected Kimberlite Indicator Minerals (0.25-1mm)						Remarks
			Zone	North	East	Total Sample	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	
86-HCK-010601	73 17	104 40	13XEM	8131500	510500	424			0	0	0	0	0	pyrite	duplicate split of 86-HCA-050807
86-HCK-010602	72 08	105 26	13XDL	8002800	485300	198									No sample, duplicate split of 86-HCA-080804
86-HCK-010603	72 17	107 29	13XDL	8021800	415700	289									No sample, duplicate split of 86-HCA-090809
86-HCK-010604	73 09	107 59	13XDM	8120100	403700	416			0	0	0	0	0	0	duplicate split of 86-HCA-150705
86-HCK-010605	72 56	107 52	13	8095600	406400	311			0	0	0	0	0	0	trace limonite, duplicate split of 86-HCA-180702
86-HCK-010606	72 44	105 55	13	8070700	469800	368			0	0	0	0	0	0	Clay encrusted grains, duplicate split of 86-HCA-270705
84-RDK-0001	68 58	107 47	13	7653216	391893	786			0	0	0	1	0	0	duplicate split of 84-SBB-0014
84-RDK-0002	71 52	108 19	13	7977062	384834				0	0	0	0	0	garn	reddish, duplicate split of 87-SBB-0175
84-RDK-0003	69 21	116 02	11	7693512	538047				0	0	0	0	0	0	duplicate split of 87-NJ-0006
84-RDK-0004	70 41	107 35	13	7843559	404754				0	0	0	0	0	0	duplicate split of 87-NJ-0058

PYR - Pyrope garnet, ECL - Eclogitic garnet, IL - Ilmenite, CHR - Chromite, CD - Cr-diopside, OTH - Other.
Mineral identification and remarks by I & M Morrison Geological.

* Specific Gravity ≥ 2.96

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
81-VH-0007	70 41	116 32	11	7841969	517231	6	1	0.22	0.34	0.13	59.47	0.08	0.14	0.17	0.09	0.00	60.64	OT	siderite
81-VH-0007	70 41	116 32	11	7841969	517231	6	2	0.01	0.51	19.07	0.52	65.41	0.10	0.09	0.00	0.00	85.71	OT	K-feldspar
81-VH-0007	70 41	116 32	11	7841969	517231	6	3	0.06	0.21	0.07	58.33	0.05	0.15	0.19	0.09	0.03	59.18	OT	siderite
81-VH-0007	70 41	116 32	11	7841969	517231	6	4	0.01	0.00	18.75	0.30	65.20	0.10	0.08	0.03	0.02	84.49	OT	K-feldspar
81-VH-0007	70 41	116 32	11	7841969	517231	6	5	0.96	0.00	0.05	47.50	0.03	51.04	0.06	0.01	0.29	99.95	OT	ilmenite
81-VH-0007	70 41	116 32	11	7841969	517231	6	6	0.00	0.00	0.04	0.51	98.02	0.08	0.04	0.00	0.00	98.70	OT	quartz
81-VH-0007	70 41	116 32	11	7841969	517231	6	7	0.06	0.00	0.13	59.28	0.04	0.17	0.17	0.10	0.03	59.97	OT	siderite
81-VH-0007	70 41	116 32	11	7841969	517231	6	8	0.06	0.07	0.05	59.33	0.07	0.16	0.17	0.11	0.00	60.03	OT	siderite
81-VH-0007	70 41	116 32	11	7841969	517231	6	9	0.09	0.00	0.09	59.32	0.04	0.16	0.14	0.13	0.03	60.01	OT	siderite
81-VH-0007	70 41	116 32	11	7841969	517231	6	10	0.01	0.00	0.06	0.93	98.85	0.05	0.07	0.00	0.00	99.97	OT	quartz
81-VH-0007	70 41	116 32	11	7841969	517231	6	11	0.03	6.44	28.61	0.88	55.54	0.15	8.76	0.00	0.02	100.44	OT	plagioclase
81-VH-0007	70 41	116 32	11	7841969	517231	6	12	0.07	0.00	0.11	59.69	0.10	0.16	0.18	0.09	0.03	60.44	OT	siderite
81-VH-0007	70 41	116 32	11	7841969	517231	6	14	1.18	0.00	0.12	48.82	0.00	50.05	0.11	0.06	0.00	100.33	OT	ilmenite
81-VH-0007	70 41	116 32	11	7841969	517231	6	15	0.01	0.00	0.03	0.17	97.52	0.07	0.04	0.01	0.00	97.86	OT	quartz
81-VH-0019	72 12	118 12	11	8011482	459057	1	1	0.07	0.00	0.01	28.50	36.24	0.12	36.41	0.04	0.02	101.42	CP	andradite
81-VH-0034	72 11	118 15	11	8009654	457312	6	16	0.01	0.00	0.03	0.08	98.04	0.08	0.04	0.00	0.00	98.29	OT	quartz
81-VH-0034	72 11	118 15	11	8009654	457312	6	17	0.10	0.00	0.08	59.15	0.06	0.14	0.17	0.10	0.00	59.81	OT	siderite
81-VH-0034	72 11	118 15	11	8009654	457312	6	18	0.15	0.30	2.88	47.46	18.93	0.24	0.28	0.11	0.23	70.56	OT	<i>mixture?</i>
81-VH-0034	72 11	118 15	11	8009654	457312	6	19	0.06	0.00	0.10	58.50	0.06	0.14	0.25	0.11	0.06	59.28	OT	siderite
81-VH-0034	72 11	118 15	11	8009654	457312	6	20	0.07	0.00	0.15	58.44	0.05	0.12	0.16	0.12	0.00	59.12	OT	siderite
81-VH-0034	72 11	118 15	11	8009654	457312	6	21	0.10	0.02	0.13	59.58	0.06	0.16	0.20	0.11	0.03	60.39	OT	siderite
81-VH-0034	72 11	118 15	11	8009654	457312	6	22	0.11	0.06	0.14	59.16	0.02	0.17	0.16	0.10	0.03	59.95	OT	siderite
81-VH-0034	72 11	118 15	11	8009654	457312	6	23	0.06	0.00	0.07	58.17	0.47	0.14	0.20	0.12	0.07	59.30	OT	siderite
81-VH-0037	72 11	118 15	11	8009654	457312	1	2	0.18	0.21	3.57	5.69	52.06	0.41	21.23	1.01	16.59	100.95	CP	Cr-diopside
81-VH-0046	73 06	116 05	11	8111700	529745	1	13	0.06	0.00	0.09	90.33	0.00	0.12	0.11	0.11	0.00	90.82	IL	magnetite
81-VH-0049	73 09	114 05	11	8119349	594338	1	3	0.00	0.01	0.00	0.00	0.00	0.12	0.20	0.00	0.03	0.37	IL	<i>probe missed grain?</i>
82-VH-0004	70 42	114 34	11	7845565	589743	1	6	0.09	0.00	0.21	89.84	0.27	0.08	0.11	0.10	0.00	90.71	IL	magnetite
82-VH-0004	70 42	114 34	11	7845565	589743	1	7	0.43	0.00	0.06	46.81	0.00	52.40	0.07	0.09	0.48	100.35	IL	ilmenite
82-VH-0015	71 06	118 00	11	7888677	463847	1	8	0.60	0.00	19.84	6.15	39.19	0.44	33.85	0.03	0.59	100.68	GA	grossular
82-VH-0018	71 04	117 59	11	7884954	464391	1	9	0.37	0.03	0.84	30.09	0.28	61.60	0.16	0.30	0.92	94.59	IL	ilmenite (alt.)
82-VH-0030	71 04	118 12	11	7885096	456544	1	10	0.36	0.00	15.61	10.96	38.46	0.60	32.67	0.05	0.20	98.91	GA	grossular

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
82-VH-0030	71 04	118 12	11	7885096	456544	6	24	0.07	0.06	0.12	59.41	0.05	0.16	0.15	0.11	0.13	60.26	OT	siderite
82-VH-0030	71 04	118 12	11	7885096	456544	6	25	0.13	0.21	0.10	58.56	0.05	0.15	0.21	0.10	0.07	59.57	OT	siderite
82-VH-0030	71 04	118 12	11	7885096	456544	6	27	0.07	0.00	0.12	59.06	0.04	0.19	0.15	0.11	0.06	59.81	OT	siderite
82-VH-0030	71 04	118 12	11	7885096	456544	6	28	0.13	0.14	0.10	58.73	0.08	0.16	0.17	0.10	0.03	59.63	OT	siderite
82-VH-0036	72 34	115 55	11	8052307	536225	1	11	0.05	0.00	19.33	6.92	41.76	0.12	28.03	0.03	0.94	97.18	CP	prehnite
82-VH-0045	72 26	115 53	11	8037448	537618	1	12	0.15	0.10	2.85	4.96	51.90	0.37	22.09	0.83	17.73	100.99	CP	Cr-diopside
82-VH-0055	73 02	116 12	11	8104206	526058	1	14	0.58	0.00	23.22	20.73	40.01	0.09	5.52	0.08	11.20	101.43	GA	pyrope-alm.
82-VH-0067	71 53	117 58	11	7976017	466449	6	29	0.08	0.10	0.00	76.03	2.52	0.08	0.75	0.02	0.03	79.63	OT	hematite
82-VH-0091	72 51	115 26	11	8084257	551562	1	15	0.09	0.00	23.31	0.08	43.80	0.08	30.97	0.01	0.00	98.34	OT	prehnite
82-VH-0091	72 51	115 26	11	8084257	551562	1	16	0.08	0.08	22.46	1.24	43.06	0.09	30.33	0.00	0.00	97.34	OT	prehnite
82-VH-0091	72 51	115 26	11	8084257	551562	1	17	0.07	0.00	23.12	0.25	43.65	0.07	31.17	0.02	0.00	98.35	OT	prehnite
82-VH-0091	72 51	115 26	11	8084257	551562	1	18	0.08	0.13	22.85	0.79	44.20	0.10	29.63	0.02	0.00	97.80	OT	prehnite
82-VH-0093	72 48	115 15	11	8078849	557755	1	19	0.00	12.88	20.51	0.01	66.05	0.00	2.59	0.00	0.00	102.04	CP	albite
82-VH-0095	70 39	116 40	11	7838223	512326	1	20	0.10	0.00	0.09	90.76	0.00	0.04	0.08	0.12	0.00	91.19	IL	magnetite
82-VH-0095	70 39	116 40	11	7838223	512326	6	30	0.06	0.03	0.14	75.83	3.19	0.00	0.73	0.05	0.67	80.70	IL	hematite
82-VH-0096	70 39	116 34	11	7838247	516024	6	31	0.61	0.15	1.38	19.02	49.61	0.67	18.27	0.04	10.53	100.28	OT	salite
82-VH-0096	70 39	116 34	11	7838247	516024	6	32	0.36	0.27	2.39	12.96	50.07	0.83	18.76	0.02	14.12	99.78	OT	diopside
82-VH-0096	70 39	116 34	11	7838247	516024	6	33	0.02	0.00	0.00	0.00	0.00	0.00	31.27	0.00	20.92	52.21	OT	dolomite
82-VH-0096	70 39	116 34	11	7838247	516024	6	34	0.10	0.00	0.00	0.35	0.00	0.00	29.47	0.00	19.39	49.31	OT	dolomite
82-VH-0096	70 39	116 34	11	7838247	516024	6	35	0.12	0.00	0.00	1.73	0.00	0.00	30.82	0.00	19.22	51.90	OT	dolomite
82-VH-0104	70 53	116 28	11	7864295	519493	1	21	0.76	0.00	22.98	23.85	39.13	0.15	6.47	0.05	7.73	101.12	GA	almandine
82-VH-0104	70 53	116 28	11	7864295	519493	1	22	0.34	2.14	33.71	10.22	36.11	0.19	0.39	0.01	4.36	87.45	IL	tourmaline
82-VH-0137	71 04	117 24	11	7884713	485514	1	23	0.42	0.02	0.74	78.29	0.00	16.16	0.10	0.13	0.00	95.86	SP	mt+ilm.
82-VH-0137	71 04	117 24	11	7884713	485514	1	24	0.34	0.00	3.75	77.78	0.00	12.12	0.08	0.17	2.27	96.52	SP	mt+ilm.
82-VH-0137	71 04	117 24	11	7884713	485514	1	25	1.03	0.00	0.06	48.49	0.00	51.18	0.11	0.06	0.00	100.94	SP	ilmenite
82-VH-0137	71 04	117 24	11	7884713	485514	1	91	0.15	0.13	2.75	4.78	51.76	0.31	22.37	0.89	16.56	99.72	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	26	1.72	0.00	22.51	32.73	38.02	0.16	1.67	0.05	4.29	101.16	GA	almandine
82-VH-0138	71 13	116 58	11	7901395	501197	1	27	0.73	0.00	18.82	8.10	38.88	0.33	32.80	0.01	0.52	100.20	GA	grossular
82-VH-0138	71 13	116 58	11	7901395	501197	1	28	0.74	0.00	21.66	30.58	38.54	0.13	5.63	0.05	3.40	100.73	GA	almandine
82-VH-0138	71 13	116 58	11	7901395	501197	1	29	0.46	0.00	0.09	47.15	0.00	49.58	0.06	0.05	2.00	99.38	SP	ilmenite
82-VH-0138	71 13	116 58	11	7901395	501197	1	30	0.60	0.00	0.04	48.40	0.00	50.37	0.08	0.01	0.05	99.55	SP	ilmenite

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
82-VH-0138	71 13	116 58	11	7901395	501197	1	31	0.18	0.09	3.24	4.59	51.88	0.30	22.86	0.81	17.47	101.42	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	32	0.19	0.07	2.11	6.25	52.69	0.42	20.74	0.47	16.89	99.83	CP	diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	33	0.17	0.18	3.17	5.96	51.97	0.45	21.63	1.02	16.42	100.97	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	34	0.16	0.10	2.09	5.90	52.64	0.37	21.23	0.65	16.68	99.83	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	35	0.17	0.14	1.96	6.14	52.93	0.34	20.38	0.66	17.22	99.94	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	36	0.24	0.13	1.97	6.29	52.74	0.38	20.35	0.74	18.26	101.10	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	37	0.19	0.20	3.06	5.12	52.35	0.38	21.49	0.73	16.92	100.45	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	38	0.19	0.13	3.22	6.20	51.50	0.47	19.95	0.97	15.98	98.61	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	39	0.18	0.08	2.80	6.36	52.55	0.45	20.98	0.74	16.91	101.04	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	40	0.22	0.17	2.55	5.52	52.14	0.35	20.80	0.81	16.68	99.22	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	41	0.30	0.29	1.81	5.93	55.99	0.13	12.02	0.43	21.71	98.61	CP	diopside
82-VH-0139	71 25	115 46	11	7924151	543866	1	42	0.22	0.11	2.19	5.93	52.46	0.39	21.50	0.53	17.26	100.59	CP	Cr-diopside
82-VH-0139	71 25	115 46	11	7924151	543866	1	43	0.19	0.21	3.39	5.97	51.39	0.48	21.98	0.84	16.78	101.22	CP	Cr-diopside
82-VH-0139	71 25	115 46	11	7924151	543866	1	44	0.26	0.00	0.12	48.75	0.00	49.05	0.06	0.25	0.94	99.43	SP	ilmenite
82-VH-0139	71 25	115 46	11	7924151	543866	1	45	0.44	0.00	4.62	26.13	0.00	2.63	0.06	55.31	9.77	98.96	SP	chromite
82-VH-0139	71 25	115 46	11	7924151	543866	1	46	0.53	0.00	0.09	48.89	0.00	50.22	0.06	0.05	0.03	99.87	SP	ilmenite
82-VH-0139	71 25	115 46	11	7924151	543866	1	47	0.55	0.00	0.08	47.52	0.00	51.60	0.08	0.06	0.11	100.00	SP	ilmenite
82-VH-0139	71 25	115 46	11	7924151	543866	1	48	0.45	0.00	0.07	50.31	0.00	47.54	0.09	0.04	0.67	99.16	SP	ilmenite
82-VH-0139	71 25	115 46	11	7924151	543866	1	49	1.18	0.00	0.08	48.02	0.00	49.55	0.08	0.17	0.01	99.10	SP	ilmenite
82-VH-0139	71 25	115 46	11	7924151	543866	1	50	0.52	0.00	0.05	48.78	0.00	48.99	0.05	0.08	0.10	98.57	SP	ilmenite
82-VH-0142	71 07	113 59	12	7892896	392272	1	51	1.96	0.00	0.04	48.17	0.00	49.43	0.07	0.03	0.03	99.74	SP	ilmenite
82-VH-0142	71 07	113 59	12	7892896	392272	1	52	0.51	0.01	0.06	48.89	0.00	49.00	0.06	0.03	1.67	100.23	SP	ilmenite
82-VH-0143	71 04	114 01	11	7887326	608003	1	53	0.17	0.00	22.58	29.78	38.35	0.12	0.79	0.08	7.60	99.47	GA	almandine
82-VH-0143	71 04	114 01	11	7887326	608003	1	54	0.13	0.00	22.92	30.38	38.82	0.10	0.93	0.09	7.77	101.14	GA	almandine
82-VH-0144	71 05	114 32	11	7888334	589235	1	55	0.19	0.16	2.27	5.96	52.16	0.41	20.71	0.75	17.05	99.67	SP	Cr-diopside
82-VH-0144	71 05	114 32	11	7888334	589235	1	56	0.20	0.07	1.81	6.30	53.31	0.34	19.05	0.63	18.26	99.98	SP	Cr-diopside
82-VH-0145	71 04	114 51	11	7886047	577849	1	57	0.18	0.51	1.52	5.23	53.05	0.25	23.69	0.84	15.93	101.19	CP	Cr-diopside
82-VH-0146	71 05	115 02	11	7887671	571153	1	58	0.75	0.00	22.04	25.82	38.77	0.19	6.19	0.07	6.15	99.97	GA	almandine
82-VH-0151	72 23	117 54	11	8031749	469598	1	59	0.53	0.00	22.99	20.53	39.63	0.13	6.21	0.03	9.86	99.90	GA	almandine
82-VH-0161	72 21	116 24	11	8027908	520306	6	37	0.03	5.07	29.76	0.95	53.18	0.13	10.78	0.00	0.11	100.01	OT	plagioclase
82-VH-0161	72 21	116 24	11	8027908	520306	6	38	0.49	0.08	0.89	18.46	49.19	0.51	20.51	0.04	8.70	98.88	OT	salite

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
82-VH-0161	72 21	116 24	11	8027908	520306	6	39	0.52	0.00	0.79	22.62	51.97	0.46	4.60	0.00	17.91	98.87	OT	enstatite
82-VH-0161	72 21	116 24	11	8027908	520306	6	40	0.46	0.08	1.44	16.42	49.83	0.66	17.28	0.02	12.50	98.68	OT	salite
82-VH-0163	72 20	116 22	11	8026057	521452	1	60	0.04	5.83	28.98	0.45	57.23	0.00	1.01	0.00	0.00	93.55	CP	plagioclase
82-VH-0163	72 20	116 22	11	8026057	521452	5	53	0.11	0.03	23.14	1.14	44.06	0.07	27.67	0.00	0.05	96.28	CP	prehnite
82-VH-0163	72 20	116 22	11	8026057	521452	5	54	0.19	0.12	2.52	5.92	51.85	0.37	20.72	0.69	17.64	100.01	GA	Cr-diopside
82-VH-0164	72 13	115 00	11	8014070	568170	1	61	0.25	0.07	3.72	5.36	51.39	0.39	22.18	1.16	16.87	101.41	CP	Cr-diopside
82-VH-0165	72 20	114 45	11	8027370	576201	1	62	0.09	0.00	4.43	3.50	51.35	0.16	26.01	0.02	15.11	100.66	CP	diopside
82-VH-0167	72 17	114 28	11	8022179	586026	5	55	0.06	0.00	1.62	1.47	53.69	0.11	27.95	0.01	16.71	101.62	OT	diopside
82-VH-0168	72 17	114 28	11	8022179	586026	1	63	0.03	0.00	7.06	3.50	49.03	0.38	26.70	0.00	14.72	101.43	CP	diopside
82-VH-0168	72 17	114 28	11	8022179	586026	1	64	0.11	0.03	21.80	2.75	43.54	0.10	28.77	0.01	0.00	97.11	CP	prehnite
82-VH-0173	71 53	114 53	11	7977038	573453	1	65	0.04	0.00	6.32	3.80	49.15	0.23	25.23	0.01	14.43	99.22	CP	diopside
82-VH-0174	71 51	115 21	11	7972818	557364	1	66	0.14	1.49	1.38	2.65	53.90	0.30	22.06	1.01	16.38	99.32	CP	Cr-diopside
82-VH-0175	71 55	115 21	11	7980256	557160	1	67	0.24	0.16	3.36	5.60	51.36	0.48	20.40	1.14	17.26	99.99	CP	Cr-diopside
82-NJ-0306	69 29	112 05	12	7708081	457750	3	1	0.50	0.00	0.02	46.58	0.00	52.55	0.05	0.04	0.00	99.74	SP	ilmenite
82-NJ-0307	69 29	112 05	12	7708081	457750	3	2	0.71	0.00	23.55	20.25	40.42	0.15	6.78	0.07	9.44	101.37	GA	pyrope-alm.
82-NJ-0307	69 29	112 05	12	7708081	457750	3	3	2.87	0.00	22.48	26.58	38.53	0.24	8.35	0.05	2.25	101.36	GA	almandine
82-NJ-0310	69 29	112 05	12	7708081	457750	3	4	0.29	0.29	1.49	4.71	53.41	0.12	24.65	0.26	16.14	101.35	CP	diopside
82-NJ-0311	69 29	112 05	12	7708081	457750	3	5	0.57	0.00	23.53	19.82	40.78	0.17	5.55	0.08	10.37	100.86	GA	pyrope-alm.
82-NJ-0311	69 29	112 05	12	7708081	457750	3	6	1.56	0.00	22.00	23.49	39.49	0.17	10.74	0.06	2.48	99.99	GA	almandine
82-NJ-0311	69 29	112 05	12	7708081	457750	3	7	0.62	0.00	22.47	20.26	40.38	0.20	5.43	0.10	10.01	99.46	GA	pyrope-alm.
82-NJ-0311	69 29	112 05	12	7708081	457750	3	8	0.16	0.30	1.09	6.03	56.27	0.12	17.74	0.38	18.97	101.04	CP	diopside
82-NJ-0311	69 29	112 05	12	7708081	457750	3	9	0.21	0.21	1.11	5.78	53.53	0.17	22.37	0.46	15.19	99.03	CP	diopside
82-NJ-0314	70 13	114 10	11	7792717	606856	3	10	0.96	0.00	0.08	45.81	0.00	51.05	0.08	0.09	1.66	99.73	SP	ilmenite
82-NJ-0316	70 00	113 25	12	7767531	407643	3	11	0.16	0.14	0.74	4.61	54.73	0.13	24.31	0.13	15.66	100.61	CP	diopside
82-NJ-0316	70 00	113 25	12	7767531	407643	3	12	0.36	0.28	0.45	5.58	54.31	0.10	25.20	0.00	14.91	101.19	CP	diopside
82-NJ-0316	70 00	113 25	12	7767531	407643	3	13	0.28	0.00	23.01	13.19	38.22	0.17	24.10	0.03	0.00	98.99	CP	grossular
82-NJ-0317	70 06	112 38	12	7777678	438083	3	14	0.49	0.00	2.62	71.57	0.00	20.89	0.08	0.14	0.69	96.48	IL	mt+ilm.
82-NJ-0342	69 29	116 20	11	7704507	526248	3	16	0.13	0.86	1.41	4.68	53.86	0.61	22.06	0.89	16.45	100.96	CP	Cr-diopside
82-NJ-0342	69 29	116 20	11	7704507	526248	3	17	0.57	0.00	0.05	48.01	0.00	50.12	0.09	0.08	0.11	99.02	SP	ilmenite
82-NJ-0356	69 55	111 37	12	7756897	476242	3	18	1.05	0.03	22.24	22.58	37.01	0.18	13.15	0.06	3.26	99.55	GA	almandine
82-NJ-0360	69 15	110 41	12	7682093	512653	3	19	0.11	0.74	1.47	3.74	54.12	0.11	24.24	0.13	16.41	101.07	CP	diopside

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
82-NJ-0364	69 18	110 11	12	7687852	532348	3	20	0.41	0.00	0.00	48.52	0.00	49.94	0.06	0.07	0.00	99.00	SP	ilmenite
82-NJ-0703	71 18	115 08	11	7911717	566791	3	21	0.19	0.16	2.26	6.81	51.29	0.46	21.40	0.43	16.31	99.31	CP	diopside
82-NJ-0703	71 18	115 08	11	7911717	566791	3	22	0.20	0.13	1.78	6.45	52.82	0.39	21.41	0.50	17.71	101.38	CP	Cr-diopside
82-NJ-0703	71 18	115 08	11	7911717	566791	3	23	0.19	0.18	2.45	6.26	52.85	0.45	21.53	0.47	16.74	101.12	CP	diopside
83-NJ-0383	69 20	113 05	12	7692373	418070	3	24	0.26	0.41	0.67	4.77	54.51	0.16	23.88	0.56	15.02	100.24	CP	Cr-diopside
83-NJ-0384	69 20	113 05	12	7692373	418070	3	25	0.22	0.43	0.99	4.49	54.46	0.12	23.39	0.37	15.93	100.41	CP	diopside
83-NJ-0384	69 20	113 05	12	7692373	418070	3	26	0.19	0.38	0.99	4.57	54.05	0.12	22.56	0.42	15.62	98.91	CP	diopside
83-NJ-0384	69 20	113 05	12	7692373	418070	3	27	0.22	0.57	1.95	4.87	53.17	0.11	23.29	0.15	15.03	99.36	CP	diopside
83-NJ-0384	69 20	113 05	12	7692373	418070	3	28	0.20	0.56	2.68	4.33	53.21	0.11	22.42	1.24	15.49	100.23	CP	Cr-diopside
83-NJ-0387	69 58	115 53	11	7762375	542694	3	29	0.30	0.52	1.16	6.08	52.93	0.10	22.38	0.14	15.10	98.70	CP	diopside
83-NJ-0387	69 58	115 53	11	7762375	542694	3	30	0.01	0.00	0.02	0.00	99.25	0.11	0.03	0.00	0.00	99.43	GA	quartz
83-NJ-0388	69 58	115 53	11	7762745	542813	3	31	0.16	0.90	2.25	4.66	52.35	0.62	21.83	0.80	15.52	99.08	CP	Cr-diopside
83-NJ-0388	69 58	115 53	11	7762745	542813	3	32	0.64	0.08	0.09	48.68	0.00	47.91	0.11	0.07	0.57	98.17	SP	ilmenite
83-NJ-0389	70 04	115 46	11	7773976	546792	3	33	0.11	0.73	0.99	3.57	54.33	0.51	22.32	1.15	16.82	100.54	CP	Cr-diopside
83-NJ-0389	70 04	115 46	11	7773976	546792	3	34	0.19	0.34	1.49	5.39	52.16	0.16	25.39	0.14	14.85	100.11	CP	diopside
83-NJ-0389	70 04	115 46	11	7773976	546792	3	35	0.22	0.54	1.61	3.86	54.50	0.19	23.51	0.62	16.08	101.12	CP	Cr-diopside
83-NJ-0389	70 04	115 46	11	7773976	546792	3	36	0.23	0.16	2.17	8.91	52.10	0.61	20.88	0.11	15.88	101.04	GA	diopside
83-NJ-0390	70 04	115 46	11	7773976	546792	3	37	0.12	0.92	1.35	4.70	53.65	0.63	21.94	1.34	16.18	100.82	CP	Cr-diopside
83-NJ-0392	69 12	113 22	12	7678301	406091	3	38	0.81	0.00	22.54	26.37	39.29	0.20	6.45	0.05	5.68	101.39	GA	almandine
83-NJ-0392	69 12	113 22	12	7678301	406091	3	39	1.44	0.00	22.09	27.17	38.95	0.15	7.32	0.02	3.40	100.54	GA	almandine
83-NJ-0392	69 12	113 22	12	7678301	406091	3	40	0.07	0.00	0.52	87.95	0.19	0.14	0.09	0.05	0.00	89.02	IL	hematite
83-NJ-0394	69 12	113 22	12	7678301	406091	3	41	0.88	0.00	22.58	25.61	39.22	0.16	5.98	0.04	6.21	100.69	GA	almandine
83-NJ-0394	69 12	113 22	12	7678301	406091	3	42	0.17	2.36	31.07	13.66	35.79	0.59	1.33	0.00	4.08	89.03	SP	tourmaline
83-NJ-0396	69 12	113 22	12	7678301	406091	3	43	0.29	0.38	1.46	5.27	53.53	0.14	22.55	0.46	14.82	98.89	CP	diopside
83-NJ-0397	69 49	116 41	11	7745288	512196	3	44	1.32	0.00	22.39	27.90	38.67	0.29	6.49	0.08	3.71	100.85	GA	almandine
83-NJ-0397	69 49	116 41	11	7745288	512196	3	45	0.61	0.00	22.86	23.27	40.87	0.18	7.13	0.07	6.32	101.32	GA	almandine
83-NJ-0397	69 49	116 41	11	7745288	512196	3	46	0.12	0.75	1.22	4.43	53.76	0.72	23.07	0.92	16.08	101.06	CP	Cr-diopside
83-NJ-0397	69 49	116 41	11	7745288	512196	3	47	0.22	0.00	24.67	10.54	37.87	0.15	25.01	0.01	0.08	98.55	OT	zoisite
83-NJ-0397	69 49	116 41	11	7745288	512196	3	48	0.70	0.00	0.08	49.83	0.00	48.90	0.10	0.09	0.00	99.71	SP	ilmenite
83-NJ-0397	69 49	116 41	11	7745288	512196	3	49	1.01	0.00	0.11	47.92	0.00	50.00	0.06	0.06	0.00	99.18	SP	ilmenite
83-NJ-0401	69 49	116 41	11	7745656	512321	3	50	0.59	0.00	22.78	19.44	40.21	0.12	5.71	0.16	9.55	98.55	GA	almandine

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
83-NJ-0401	69 49	116 41	11	7745656	512321	3	51	0.67	0.00	0.09	47.75	0.00	50.36	0.08	0.03	0.02	99.00	SP	ilmenite
83-NJ-0404	69 38	113 39	12	7726667	397078	3	52	1.23	0.11	1.07	76.41	1.78	7.41	0.74	0.55	0.00	89.29	IL	hem.+qtz
83-NJ-0405	69 58	115 53	11	7762745	542813	3	53	1.21	0.00	22.49	20.09	39.08	0.20	11.86	0.05	3.82	98.80	GA	almandine
83-NJ-0405	69 58	115 53	11	7762745	542813	3	54	1.55	0.00	22.41	33.78	38.08	0.10	1.92	0.10	3.27	101.21	GA	almandine
83-NJ-0405	69 58	115 53	11	7762745	542813	3	55	0.45	0.00	21.64	35.06	37.99	0.14	3.68	0.09	1.41	100.46	GA	almandine
83-NJ-0405	69 58	115 53	11	7762745	542813	3	56	0.50	0.00	0.05	48.20	0.00	48.78	0.07	0.07	0.25	97.93	SP	ilmenite
82-NJ-0337	68 59	111 04	12	7651954	497198	3	57	0.13	0.00	17.83	19.45	29.03	0.31	0.40	0.04	19.11	86.29	GA	chlorite
85-NJ-0016	70 27	106 21	13	7816443	449583	4	1	0.81	0.00	0.07	48.32	0.00	50.95	0.11	0.06	0.00	100.33	SP	ilmenite
85-NJ-0017	70 27	106 21	13	7816443	449583	4	3	0.10	0.00	0.09	94.18	0.00	0.07	0.10	0.04	0.00	94.58	SP	magnetite
85-NJ-0017	70 27	106 21	13	7816443	449583	4	4	0.98	0.00	0.05	49.10	0.00	49.73	0.07	0.07	0.00	100.00	SP	ilmenite
85-NJ-0029	70 39	107 26	13	7839987	410156	4	5	0.21	0.35	2.19	5.36	52.93	0.17	24.15	0.34	15.30	101.02	CP	diopside
85-NJ-0029	70 39	107 26	13	7839987	410156	4	6	0.29	0.36	1.52	5.52	53.78	0.18	23.42	0.32	15.46	100.85	CP	diopside
82-SBB-0014	69 38	116 29	11	7724522	520201	4	7	0.82	0.00	22.57	26.08	39.31	0.17	5.92	0.05	6.21	101.14	GA	almandine
82-SBB-0014	69 38	116 29	11	7724522	520201	4	8	0.83	0.00	22.35	27.31	39.16	0.18	6.40	0.08	4.96	101.26	GA	almandine
82-SBB-0014	69 38	116 29	11	7724522	520201	4	9	0.13	0.90	2.03	4.92	53.34	0.64	21.32	1.33	16.83	101.43	CP	Cr-diopside
82-SBB-0023	69 47	115 47	11	7741633	547059	4	10	0.63	0.00	0.05	48.48	0.00	51.15	0.05	0.05	0.00	100.41	SP	ilmenite
82-SBB-0025	69 43	115 53	11	7734869	543325	4	11	1.35	0.00	0.03	49.53	0.00	49.30	0.07	0.01	0.00	100.30	SP	ilmenite
82-SBB-0026	69 43	115 56	11	7734835	541391	4	12	0.09	0.77	0.84	3.88	54.13	0.51	22.48	1.36	17.42	101.48	CP	Cr-diopside
82-SBB-0026	69 43	115 56	11	7734835	541391	4	13	0.13	0.72	0.75	4.10	53.97	0.50	22.13	1.23	16.68	100.20	CP	Cr-diopside
82-SBB-0026	69 43	115 56	11	7734835	541391	4	14	0.12	0.50	1.00	4.29	53.79	0.52	22.15	0.46	17.39	100.22	CP	diopside
82-SBB-0026	69 43	115 56	11	7734835	541391	4	15	0.90	0.16	0.02	0.05	0.00	0.00	47.94	0.00	0.00	49.08	OT	(calcite)
82-SBB-0043	69 42	116 25	11	7732349	522458	4	16	0.26	0.36	1.28	7.05	53.71	0.14	23.28	0.19	14.92	101.20	CP	diopside
82-SBB-0058	69 28	111 55	12	7696835	463448	4	17	0.88	0.00	22.23	25.69	39.68	0.26	7.16	0.06	5.32	101.27	GA	almandine
82-SBB-0058	69 28	111 55	12	7696835	463448	4	18	0.41	0.00	22.19	27.20	39.33	0.24	5.98	0.00	5.07	100.41	GA	almandine
82-SBB-0058	69 28	111 55	12	7696835	463448	4	19	0.62	0.35	1.16	4.07	53.72	0.14	23.91	0.55	16.91	101.43	CP	Cr-diopside
82-SBB-0105	69 38	112 00	12	7724754	461153	4	20	0.13	0.60	1.39	5.14	53.45	0.63	22.90	0.58	15.93	100.76	CP	Cr-diopside
82-SBB-0105	69 38	112 00	12	7724754	461153	4	21	0.29	0.00	0.11	47.23	0.00	51.37	0.03	0.04	0.38	99.45	SP	ilmenite
82-SBB-0105	69 38	112 00	12	7724754	461153	4	22	0.09	0.00	0.22	35.05	0.21	55.10	0.20	0.03	0.19	91.09	SP	ilmenite (alt.)
82-SBB-0114	69 28	111 42	12	7706750	472602	4	23	0.54	0.00	21.56	23.92	39.39	0.12	7.06	0.15	8.44	101.17	GA	almandine
82-SBB-0125	69 33	112 23	12	7716122	446191	4	24	0.18	1.10	2.29	4.55	53.42	0.57	22.07	0.99	14.83	100.01	CP	Cr-diopside
82-SBB-I-0014-2	68 57	112 00	12	7648934	459915	6	49	0.23	0.00	0.09	58.16	0.05	0.15	0.20	0.15	0.01	59.04	OT	siderite

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
82-SBB-I-0018-3	70 48	112 12	12	7855355	455955	6	41	0.04	0.63	18.67	0.35	64.97	0.07	0.09	0.02	0.01	84.86	OT	K-feldspar
82-SBB-I-0018-3	70 48	112 12	12	7855355	455955	6	42	0.07	0.09	0.08	56.48	0.15	0.13	0.16	0.12	0.00	57.28	OT	siderite
82-SBB-I-0018-3	70 48	112 12	12	7855355	455955	6	43	0.08	0.00	0.13	57.91	0.10	0.15	0.18	0.10	0.12	58.79	OT	siderite
82-SBB-I-0018-3	70 48	112 12	12	7855355	455955	6	44	0.03	0.00	0.00	0.20	97.36	0.08	0.03	0.00	0.00	97.71	OT	quartz
82-SBB-I-0018-3	70 48	112 12	12	7855355	455955	6	45	0.01	0.16	18.94	0.15	65.38	0.10	0.12	0.00	0.00	84.86	OT	K-feldspar
82-SBB-I-0018-3	70 48	112 12	12	7855355	455955	6	46	0.07	0.00	0.14	55.95	0.05	0.15	0.21	0.09	0.05	56.72	OT	siderite
82-SBB-I-0018-3	70 48	112 12	12	7855355	455955	6	47	0.09	0.00	0.15	57.03	0.08	0.14	0.18	0.09	0.04	57.80	OT	siderite
82-SBB-I-0018-3	70 48	112 12	12	7855355	455955	6	48	0.00	0.00	0.00	0.00	0.00	0.00	32.29	0.00	20.05	52.34	OT	dolomite
82-SBB-I-0021-1	71 36	113 42	12	7946274	404903	6	50	0.42	0.00	0.15	0.88	0.19	0.01	40.75	0.00	9.08	51.48	OT	dolomite
82-SBB-I-0021-1	71 36	113 42	12	7946274	404903	6	51	0.29	0.18	1.96	11.65	51.30	0.75	19.34	0.04	15.09	100.60	OT	salite
82-SBB-I-0021-4	71 22	113 29	12	7919944	411462	6	52	0.11	0.00	0.11	59.56	0.03	0.15	0.18	0.10	0.10	60.33	OT	siderite
82-SBB-I-0021-4	71 22	113 29	12	7919944	411462	6	53	0.05	1.26	2.43	0.29	94.84	0.08	0.03	0.02	0.00	99.02	OT	quartz
82-SBB-I-0021-4	71 22	113 29	12	7919944	411462	6	54	0.11	0.08	0.70	0.40	97.16	0.07	0.06	0.00	0.03	98.62	OT	quartz
82-SBB-I-0021-4	71 22	113 29	12	7919944	411462	6	55	0.25	0.19	0.11	0.11	97.67	0.07	0.05	0.02	0.00	98.47	OT	quartz
82-SBB-I-0021-4	71 22	113 29	12	7919944	411462	6	56	0.03	0.00	0.02	0.69	98.36	0.08	0.04	0.01	0.00	99.23	OT	quartz
82-SBB-I-0021-4	71 22	113 29	12	7919944	411462	6	57	0.02	0.00	0.50	0.29	96.02	0.07	0.07	0.00	0.12	97.09	OT	quartz
82-SBB-I-0021-4	71 22	113 29	12	7919944	411462	6	58	0.08	0.00	0.19	59.65	0.12	0.16	0.16	0.11	0.01	60.47	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	59	0.10	0.00	0.00	0.84	0.00	0.00	31.98	0.00	19.82	52.74	OT	dolomite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	60	0.10	0.01	0.11	57.20	0.09	0.14	0.38	0.12	0.24	58.38	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	61	0.08	0.16	0.27	57.25	2.52	0.00	1.09	0.04	0.59	62.00	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	62	0.07	0.14	0.10	59.29	0.16	0.16	0.21	0.13	0.03	60.27	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	63	0.03	0.00	0.05	0.87	98.88	0.07	0.07	0.01	0.00	99.98	OT	quartz
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	64	0.09	0.08	0.06	59.28	0.10	0.13	0.16	0.11	0.10	60.13	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	65	0.05	0.00	0.26	0.32	0.65	0.00	30.87	0.00	19.83	51.98	OT	dolomite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	66	0.10	0.00	0.15	58.89	0.05	0.15	0.15	0.14	0.05	59.69	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	67	0.06	1.27	18.72	0.65	65.65	0.07	0.07	0.03	0.00	86.51	OT	K-feldspar
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	68	0.05	0.00	0.10	58.88	0.07	0.15	0.17	0.11	0.00	59.53	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	69	0.43	0.00	1.22	16.09	53.26	0.48	6.73	0.09	22.42	100.72	OT	pigeonite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	70	0.07	0.04	0.14	58.96	0.06	0.16	0.18	0.12	0.08	59.80	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	71	0.08	0.09	0.11	53.17	0.01	0.00	3.40	0.04	2.39	59.29	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	72	0.06	1.70	12.38	0.52	75.84	0.11	0.31	0.02	0.85	91.79	OT	qtz+silicate

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	73	0.09	0.48	0.05	17.16	0.45	0.00	21.64	0.00	16.62	56.48	OT	ankerite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	74	0.46	0.16	2.10	16.27	50.62	0.72	15.00	0.04	14.33	99.71	OT	salite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	75	0.07	0.00	0.09	59.46	0.07	0.16	0.18	0.11	0.00	60.12	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	76	0.05	0.00	0.12	59.08	0.05	0.12	0.17	0.12	0.09	59.79	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	77	0.09	0.02	0.05	58.83	0.04	0.16	0.17	0.11	0.00	59.47	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	78	0.08	0.00	0.13	59.07	0.09	0.14	0.17	0.11	0.05	59.84	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	79	0.09	0.00	0.08	59.19	0.07	0.15	0.17	0.11	0.00	59.87	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	80	0.09	0.20	0.35	57.76	0.74	0.15	0.33	0.12	0.35	60.09	OT	siderite
82-SBB-I-0023-1A	73 06	114 30	11	8113166	581101	6	81	0.11	0.00	0.07	59.32	0.05	0.15	0.17	0.10	0.03	60.00	OT	siderite
82-SBB-I-010-1	69 24	110 25	12	7698895	522775	4	26	0.26	0.00	25.83	10.29	38.18	0.16	24.22	0.02	0.33	99.30	CP	epidote
82-SBBH-0008	70 01	112 46	12	7768908	432507	4	27	0.88	0.00	20.25	27.32	38.10	0.26	7.88	0.07	5.77	100.53	GA	almandine
82-SBBH-0008	70 01	112 46	12	7768908	432507	4	28	0.72	0.00	20.57	25.55	38.93	0.49	9.41	0.17	5.12	100.97	GA	almandine
82-SBBH-0033	70 01	117 14	11	7767945	491229	4	29	0.24	0.17	0.13	93.96	0.00	0.03	0.10	0.07	0.00	94.70	SP	magnetite
82-SBBH-0033	70 01	117 14	11	7767945	491229	4	30	0.89	0.00	0.03	48.12	0.00	50.59	0.05	0.02	0.00	99.70	SP	ilmenite
82-SBBH-0060	69 45	116 58	11	7740055	494211	4	32	0.41	0.00	19.18	7.22	41.92	0.39	6.25	4.94	20.79	101.11	SP	Cr-pyrope
82-SBBH-0066	69 30	116 03	11	7710227	537130	4	33	0.10	0.93	1.22	3.83	53.51	0.51	21.99	1.52	16.66	100.27	CP	Cr-diopside
82-SBBH-0091	69 20	111 24	12	7691033	484242	4	34	0.68	0.00	20.84	24.44	39.34	0.22	8.19	0.08	7.33	101.13	GA	almandine
82-SBBH-0091	69 20	111 24	12	7691033	484242	4	35	0.24	0.49	1.01	7.85	53.28	0.15	24.40	0.24	13.63	101.29	CP	diopside
83-SBB-0015	69 52	111 05	12	7751202	496927	6	82	0.02	0.00	2.04	0.00	4.66	0.00	30.21	0.00	18.82	55.75	OT	(dolom.+sil.)
83-SBB-0015	69 52	111 05	12	7751202	496927	6	83	0.05	0.00	0.00	0.00	0.00	0.00	30.07	0.00	20.15	50.27	OT	dolomite
83-SBB-0015	69 52	111 05	12	7751202	496927	6	84	0.03	8.91	26.49	0.00	59.39	0.07	5.91	0.02	0.00	100.82	OT	plagioclase
83-SBB-0015	69 52	111 05	12	7751202	496927	6	85	0.03	0.00	0.14	0.46	0.38	0.00	29.97	0.00	19.71	50.69	OT	dolomite
83-SBB-0015	69 52	111 05	12	7751202	496927	6	86	0.03	0.00	0.00	0.00	0.03	0.00	30.37	0.00	19.50	49.92	OT	dolomite
83-SBB-0097A	70 07	116 42	11	7779108	511386	6	87	0.04	0.00	0.00	0.00	0.00	0.00	31.61	0.00	20.43	52.09	OT	dolomite
83-SBB-0105	69 11	113 17	12	7675937	409573	4	36	0.94	0.00	0.12	48.94	0.00	49.61	0.06	0.03	0.38	100.07	IL	ilmenite
84-SBB-0076	69 39	105 44	13	7726835	471668	4	37	0.04	0.00	0.04	0.00	0.00	99.73	0.02	0.18	0.00	100.01	SP	rutile
84-SBB-0076	69 39	105 44	13	7726835	471668	6	88	0.01	0.00	0.02	0.51	98.47	0.08	0.05	0.00	0.00	99.14	SP	quartz
84-SBB-0076	69 39	105 44	13	7726835	471668	6	89	0.08	0.00	0.10	58.85	0.07	0.15	0.15	0.08	0.00	59.48	OT	siderite
84-SBB-0076	69 39	105 44	13	7726835	471668	6	90	0.05	0.00	18.74	0.68	65.89	0.09	0.07	0.02	0.00	85.55	OT	K-feldspar
84-SBB-0076	69 39	105 44	13	7726835	471668	6	91	0.09	0.11	0.12	58.88	0.06	0.17	0.17	0.08	0.10	59.79	OT	siderite
84-SBB-0076	69 39	105 44	13	7726835	471668	6	92	0.07	0.08	0.09	58.96	0.09	0.12	0.16	0.13	0.00	59.70	OT	siderite

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
84-SBB-0124	69 34	106 50	13	7718812	428715	6	93	0.03	0.00	0.00	0.00	0.00	0.00	30.93	0.00	19.66	50.63	OT	dolomite
84-SBB-0124	69 34	106 50	13	7718812	428715	6	94	0.02	0.00	0.00	0.02	0.00	0.00	30.94	0.00	20.25	51.23	OT	dolomite
84-SBB-0126	69 29	106 50	13	7708779	428415	4	38	0.46	0.00	0.06	47.73	0.00	51.76	0.07	0.04	0.23	100.34	SP	ilmenite
84-SBB-0126	69 29	106 50	13	7708779	428415	4	39	0.39	0.00	22.37	24.71	39.25	0.15	6.77	0.06	5.84	99.54	GA	almandine
84-SBB-0126	69 29	106 50	13	7708779	428415	4	40	0.88	0.00	22.59	25.15	39.42	0.21	5.76	0.15	6.49	100.64	GA	almandine
84-SBB-0126	69 29	106 50	13	7708779	428415	4	41	1.19	0.00	22.79	22.92	38.89	0.14	10.17	0.07	3.96	100.13	GA	almandine
84-SBB-0126	69 29	106 50	13	7708779	428415	4	42	0.56	0.00	22.38	25.05	39.67	0.23	5.62	0.07	6.49	100.05	GA	almandine
84-SBB-0143	68 58	108 44	12	7652519	590897	4	43	0.73	0.06	0.23	11.17	52.19	0.08	24.66	0.05	10.85	100.02	CP	salite
84-SBB-0143	68 58	108 44	12	7652519	590897	4	44	0.08	0.53	2.52	3.73	53.78	0.21	23.36	0.90	15.59	100.68	CP	Cr-diopside
84-SBB-0157	68 56	109 54	12	7646704	584283	4	45	0.50	0.00	23.09	23.33	39.92	0.16	5.19	0.06	8.34	100.60	GA	almandine
84-SBB-0157	68 56	109 54	12	7646704	584283	4	46	0.11	0.76	0.75	3.60	54.72	0.48	22.55	1.23	16.61	100.81	CP	Cr-diopside
84-SBB-0185	69 38	110 58	12	7724436	501165	4	47	0.14	0.00	0.05	94.29	0.00	0.13	0.11	0.10	0.00	94.82	SP	magnetite
85-SBB-0312	70 08	104 52	13	7780201	504932	4	62	0.20	0.00	23.04	33.51	38.43	0.14	0.76	0.06	5.30	101.45	GA	almandine
85-SBB-0312	70 08	104 52	13	7780201	504932	4	63	0.09	0.00	28.67	4.30	38.06	0.11	23.87	0.01	0.34	95.45	CP	zoisite
85-SBB-0312	70 08	104 52	13	7780201	504932	4	64	1.26	0.00	0.05	47.51	0.00	51.05	0.07	0.03	0.00	99.98	IL	ilmenite
85-SBB-0314	70 09	104 33	13	7782489	517054	4	65	2.05	0.00	0.06	48.19	0.00	49.37	0.07	0.08	0.00	99.83	SP	ilmenite
85-SBB-0332	70 29	104 24	13	7819340	522376	7	1	0.07	0.00	0.10	58.34	0.10	0.20	0.19	0.11	0.00	59.10	OT	siderite
85-SBB-0332	70 29	104 24	13	7819340	522376	7	2	0.03	0.00	0.04	0.17	97.50	0.08	0.15	0.00	0.00	97.98	OT	quartz
85-SBB-0332	70 29	104 24	13	7819340	522376	7	3	0.04	0.00	0.06	0.07	99.10	0.10	0.03	0.00	0.00	99.41	OT	quartz
85-SBB-0332	70 29	104 24	13	7819340	522376	7	4	0.01	0.00	0.02	0.11	97.83	0.10	0.06	0.00	0.01	98.13	OT	quartz
85-SBB-0332	70 29	104 24	13	7819340	522376	7	5	0.02	0.00	0.03	0.00	98.56	0.10	0.04	0.00	0.03	98.79	OT	quartz
85-SBB-0332	70 29	104 24	13	7819340	522376	7	6	0.07	0.00	0.10	59.01	0.06	0.15	0.18	0.08	0.05	59.70	OT	siderite
85-SBB-0332	70 29	104 24	13	7819340	522376	7	7	0.04	0.00	0.04	0.37	97.68	0.11	0.05	0.00	0.00	98.30	OT	quartz
85-SBB-0332	70 29	104 24	13	7819340	522376	7	8	0.15	0.06	0.03	0.01	98.36	0.11	0.06	0.00	0.00	98.80	OT	quartz
85-SBB-0332	70 29	104 24	13	7819340	522376	7	9	0.01	0.00	0.03	0.04	96.42	0.10	0.08	0.03	0.00	96.71	OT	quartz
85-SBB-0332	70 29	104 24	13	7819340	522376	7	10	0.00	0.00	0.03	0.00	98.00	0.08	0.05	0.00	0.00	98.17	OT	quartz
85-SBB-0332	70 29	104 24	13	7819340	522376	7	11	0.07	0.00	0.06	0.14	98.02	0.08	0.04	0.02	0.00	98.44	OT	quartz
85-SBB-0332	70 29	104 24	13	7819340	522376	7	12	0.00	0.00	0.05	0.00	97.12	0.11	0.08	0.00	0.00	97.36	OT	quartz
85-SBB-0332	70 29	104 24	13	7819340	522376	7	13	0.02	0.00	0.04	0.03	98.60	0.12	0.06	0.02	0.00	98.89	OT	quartz
85-SBB-0332	70 29	104 24	13	7819340	522376	7	14	0.03	6.43	27.52	1.34	54.66	0.21	11.62	0.01	0.06	101.89	OT	plagioclase
85-SBB-0332	70 29	104 24	13	7819340	522376	7	15	0.10	0.00	0.10	58.14	0.11	0.19	0.20	0.08	0.03	58.95	OT	siderite

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
85-SBB-0332	70 29	104 24	13	7819340	522376	7	16	0.04	0.00	0.02	0.04	96.81	0.15	0.04	0.01	0.00	97.12	OT	quartz
85-SBB-0333	70 36	104 08	13	7832844	532253	4	66	0.49	0.00	23.25	29.25	39.04	0.13	0.98	0.07	7.66	100.87	GA	almandine
85-SBB-0333	70 36	104 08	13	7832844	532253	4	67	0.93	0.00	0.02	48.89	0.00	49.99	0.08	0.11	0.00	100.03	IL	ilmenite
85-SBB-0334	70 35	104 05	13	7830641	534140	4	68	0.12	0.13	1.44	2.79	57.21	0.10	13.92	0.16	22.88	98.77	CP	tremolite?
85-SBB-0334	70 35	104 05	13	7830641	534140	4	69	0.64	0.00	0.06	49.89	0.00	49.42	0.06	0.18	0.37	100.63	IL	ilmenite
85-SBB-0334	70 35	104 05	13	7830641	534140	4	70	1.63	0.00	22.25	11.43	39.69	0.18	25.71	0.02	0.09	101.01	GA	grossular
85-SBB-0348	70 20	106 08	13	7802734	532683	5	14	0.06	0.00	0.04	0.00	0.00	97.01	0.02	0.17	0.00	97.30	SP	rutile
85-SBB-0348	70 20	106 08	13	7802734	532683	5	15	0.39	0.00	23.02	24.23	39.81	0.20	5.24	0.11	7.99	101.00	GA	almandine
85-SBB-0348	70 20	106 08	13	7802734	532683	5	16	0.52	0.00	22.84	28.78	39.00	0.13	1.69	0.09	8.05	101.10	GA	almandine
85-SBB-0348	70 20	106 08	13	7802734	532683	5	17	0.39	0.00	23.64	24.83	40.10	0.17	1.51	0.07	10.33	101.05	GA	pyrope-alm
85-SBB-0355	70 39	104 09	13	7838409	531433	7	17	0.13	0.00	0.24	70.66	1.79	0.02	0.24	0.01	0.28	73.37	OT	hematite
85-SBB-0355	70 39	104 09	13	7838409	531433	7	18	0.09	0.24	1.64	56.19	8.57	10.19	0.35	0.04	0.88	78.18	OT	hem.+qtz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	19	0.14	0.04	0.05	0.33	99.19	0.09	0.04	0.00	0.00	99.89	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	20	0.01	0.00	0.06	0.03	97.74	0.09	0.05	0.01	0.00	97.99	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	21	0.04	0.00	0.03	0.06	97.81	0.10	0.04	0.01	0.00	98.08	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	22	0.03	0.00	0.03	0.04	98.83	0.10	0.04	0.02	0.00	99.09	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	23	0.02	0.00	0.07	0.12	96.86	0.19	0.06	0.00	0.00	97.32	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	24	0.02	0.00	0.02	0.00	98.65	0.12	0.06	0.00	0.02	98.90	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	25	0.15	0.32	1.01	71.21	3.98	0.06	0.24	0.02	0.00	76.99	OT	hematite
85-SBB-0355	70 39	104 09	13	7838409	531433	7	26	0.01	0.00	0.05	0.05	97.67	0.12	0.10	0.00	0.00	97.99	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	27	0.01	0.00	0.05	0.00	97.96	0.07	0.06	0.00	0.00	98.15	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	28	0.02	0.00	0.03	0.02	97.93	0.10	0.07	0.00	0.00	98.18	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	29	0.04	0.00	0.04	0.39	98.65	0.05	0.04	0.02	0.00	99.22	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	30	0.04	0.00	0.05	0.06	98.80	0.09	0.06	0.00	0.00	99.09	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	31	0.03	0.00	0.05	0.11	98.44	0.13	0.09	0.00	0.00	98.85	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	32	0.02	0.00	0.02	0.14	98.76	0.17	0.06	0.00	0.00	99.17	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	33	0.03	0.00	0.07	0.06	96.38	0.14	0.10	0.00	0.00	96.78	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	34	0.02	0.00	0.07	0.20	97.08	0.16	0.07	0.00	0.00	97.61	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	35	0.00	0.00	0.04	0.14	98.74	0.08	0.06	0.00	0.00	99.06	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	36	0.03	0.00	0.00	0.14	98.56	0.14	0.05	0.01	0.00	98.93	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	37	0.03	0.00	0.03	0.00	99.01	0.15	0.07	0.00	0.00	99.28	OT	quartz

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
 Analyses by Anglo American Research Laboratories (AARL),
 Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
85-SBB-0355	70 39	104 09	13	7838409	531433	7	38	0.03	0.00	0.03	0.02	98.23	0.13	0.03	0.00	0.00	98.47	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	39	0.02	0.00	0.00	0.00	98.28	0.13	0.05	0.01	0.00	98.50	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	40	0.03	0.00	0.02	0.09	97.86	0.13	0.04	0.02	0.00	98.19	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	41	0.03	0.00	0.01	0.00	98.07	0.15	0.05	0.01	0.00	98.32	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	42	0.03	0.00	0.05	0.00	97.85	0.11	0.05	0.00	0.00	98.09	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	43	0.02	0.00	0.01	0.00	96.93	0.09	0.05	0.00	0.00	97.11	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	44	0.01	0.00	0.03	0.00	98.07	0.12	0.03	0.00	0.00	98.25	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	45	0.11	0.00	0.10	58.32	0.08	0.17	0.21	0.13	0.04	59.16	OT	siderite
85-SBB-0355	70 39	104 09	13	7838409	531433	7	46	0.03	0.00	0.03	0.17	97.33	0.14	0.05	0.02	0.00	97.77	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	47	0.03	0.00	0.03	0.00	97.85	0.13	0.05	0.03	0.00	98.11	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	48	0.04	0.00	0.03	2.70	40.49	0.10	0.09	0.00	38.85	82.30	OT	serpentine
85-SBB-0355	70 39	104 09	13	7838409	531433	7	49	0.03	0.00	0.05	0.00	97.00	0.13	0.05	0.00	0.00	97.28	OT	quartz
85-SBB-0355	70 39	104 09	13	7838409	531433	7	50	0.01	0.00	0.04	0.00	97.95	0.13	0.04	0.00	0.00	98.17	OT	quartz
85-SBB-0368	70 07	105 58	13	7779373	463187	4	71	0.21	0.29	1.51	6.54	53.64	0.18	22.03	0.13	14.39	98.92	CP	diopside
85-SBB-0368	70 07	105 58	13	7779373	463187	4	72	0.34	0.57	2.13	8.34	53.17	0.13	20.99	0.30	15.32	101.26	CP	diopside
85-SBB-0368	70 07	105 58	13	7779373	463187	4	73	0.23	0.00	0.10	94.07	0.00	0.06	0.10	0.15	0.00	94.71	SP	magnetite
85-SBB-0373	70 17	105 57	13	7797203	464224	4	74	0.12	0.00	0.12	89.21	0.16	0.01	0.14	0.07	0.00	89.82	IL	magnetite
85-SBB-0380	69 06	103 33	13	7666016	557726	4	75	0.14	0.73	2.58	4.68	53.42	0.38	21.75	0.82	16.20	100.72	CP	Cr-diopside
85-SBB-0380	69 06	103 33	13	7666016	557726	4	76	0.20	0.58	1.67	4.46	53.83	0.16	24.22	0.72	15.67	101.52	CP	Cr-diopside
85-SBB-0383	69 20	102 23	13	7693189	603190	4	77	0.28	0.48	2.11	6.11	53.30	0.16	22.88	0.33	14.89	100.54	CP	diopside
85-SBB-0383	69 20	102 23	13	7693189	603190	4	78	0.02	7.76	28.34	0.19	57.06	0.11	7.72	0.03	0.00	101.23	SP	plagioclase
85-SBB-0383	69 20	102 23	13	7693189	603190	4	79	0.27	0.00	7.75	22.55	36.86	1.41	30.59	0.11	0.10	99.65	SP	andradite
85-SBB-0386	69 17	102 47	13	7686994	587644	4	80	0.16	0.82	1.68	3.48	53.88	0.13	24.07	1.04	15.91	101.16	CP	Cr-diopside
85-SBB-0386	69 17	102 47	13	7686994	587644	4	81	0.26	0.37	0.92	5.91	54.55	0.15	23.33	0.36	15.10	100.95	CP	diopside
85-SBB-0386	69 17	102 47	13	7686994	587644	4	82	0.13	0.48	1.18	3.17	54.94	0.09	23.81	0.53	16.60	100.93	CP	Cr-diopside
85-SBB-0386	69 17	102 47	13	7686994	587644	4	83	0.37	0.46	1.15	5.43	54.49	0.13	22.83	0.20	15.44	100.50	CP	diopside
85-SBB-0387	69 26	103 11	13	7703194	571360	4	85	0.18	1.10	5.87	3.43	53.67	0.18	12.91	0.46	21.15	98.96	CP	diopside
85-SBB-0387	69 26	103 11	13	7703194	571360	4	86	0.19	0.61	1.62	5.03	53.50	0.14	23.17	0.89	15.50	100.65	CP	Cr-diopside
85-SBB-0387	69 26	103 11	13	7703194	571360	4	87	0.18	0.42	1.58	4.85	53.11	0.16	23.57	0.40	15.31	99.58	CP	diopside
85-SBB-0387	69 26	103 11	13	7703194	571360	4	88	0.28	0.62	1.42	5.24	53.76	0.13	22.58	0.68	14.88	99.59	CP	Cr-diopside
85-SBB-0387	69 26	103 11	13	7703194	571360	4	89	0.69	0.00	0.04	48.06	0.00	49.52	0.06	0.05	0.61	99.02	SP	ilmenite

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
85-SBB-0388	69 28	103 11	13	7707653	571227	4	90	0.66	0.35	0.94	9.17	53.33	0.13	21.15	0.20	14.65	100.57	CP	diopside
85-SBB-0389	69 28	103 11	13	7707653	571227	4	91	0.16	0.48	1.55	3.05	54.61	0.12	23.22	0.97	16.34	100.50	CP	Cr-diopside
85-SBB-0390	69 31	103 16	13	7713124	567548	4	92	0.15	0.54	1.42	4.90	54.05	0.16	23.55	0.29	15.47	100.54	CP	diopside
85-SBB-0391	69 28	103 31	13	7707294	557923	4	93	0.25	0.43	1.82	6.03	53.65	0.13	21.79	0.50	15.53	100.13	CP	Cr-diopside
85-SBB-0391	69 28	103 31	13	7707294	557923	4	94	0.21	0.52	1.34	5.10	53.50	0.15	23.31	0.35	15.25	99.74	CP	diopside
85-SBB-0391	69 28	103 31	13	7707294	557923	4	95	0.14	0.53	1.92	3.29	53.79	0.24	23.12	1.19	16.73	100.96	CP	Cr-diopside
85-SBB-0398	69 58	103 38	13	7762940	552368	4	96	0.08	0.75	5.31	2.44	53.91	0.14	12.85	1.06	22.61	99.14	CP	Cr-diopside
85-SBB-0398	69 58	103 38	13	7762940	552368	4	97	0.17	0.81	4.28	5.03	54.65	0.19	12.52	0.82	20.76	99.23	CP	Cr-diopside
85-SBB-0400	70 02	102 57	13	7770357	578129	4	98	0.21	0.32	1.71	5.23	53.58	0.14	23.04	0.42	16.37	101.02	CP	diopside
85-SBB-0402	69 58	102 19	13	7764603	602422	4	99	0.29	0.64	1.65	6.56	53.91	0.14	21.57	0.64	15.76	101.16	CP	Cr-diopside
85-SBB-0402	69 58	102 19	13	7764603	602422	4	100	0.81	0.00	0.07	48.79	0.00	49.30	0.08	0.04	0.19	99.28	IL	ilmenite
85-SBB-0402	69 58	102 19	13	7764603	602422	4	101	3.80	0.00	0.10	34.84	0.06	54.30	0.08	0.00	0.00	93.19	IL	ilmenite (alt.)
85-SBB-0403	69 58	102 19	13	7764603	602422	4	102	0.04	0.00	0.04	0.10	99.44	0.07	0.03	0.03	0.00	99.75	GA	quartz
85-SBB-0406	70 14	102 39	13	7793060	588698	4	103	0.06	0.00	0.09	0.02	0.00	98.64	0.03	0.05	0.00	98.89	IL	rutile
85-SBB-0426	70 44	106 57	13	7848265	428183	5	1	0.97	0.00	0.07	50.27	0.00	48.30	0.07	0.05	0.00	99.73	IL	ilmenite
85-SBB-0428	70 41	107 06	13	7842967	419884	5	2	0.20	0.00	0.24	93.57	0.00	0.07	0.10	0.09	0.00	94.27	IL	magnetite
85-SBB-0447	70 57	108 19	12	7873807	597605	5	3	0.88	0.00	0.06	48.21	0.00	51.09	0.06	0.01	0.00	100.31	IL	ilmenite
85-SBB-0447	70 57	108 19	12	7873807	597605	5	4	0.92	0.00	0.06	48.82	0.00	50.32	0.08	0.03	0.00	100.24	IL	ilmenite
85-SBB-0456	70 38	107 38	13	7838067	402668	5	5	0.79	0.00	0.11	48.08	0.00	51.14	0.07	0.02	0.00	100.22	SP	ilmenite
85-SBB-0465	70 16	107 59	13	7798557	387757	5	6	0.21	0.40	1.39	4.72	53.68	0.19	24.12	0.42	15.83	100.95	CP	diopside
85-SBB-0490	69 33	106 50	13	7716582	428649	5	7	0.60	0.00	0.09	53.55	0.00	43.97	0.07	0.10	0.15	98.53	IL	ilmenite
87-SBB-0084	71 29	105 12	13	7930775	492909	5	18	0.64	0.03	0.05	48.83	0.00	49.49	0.10	0.08	0.11	99.32	IL	ilmenite
87-SBB-0092	71 06	105 13	13	7776865	491642	5	19	0.92	0.00	0.14	11.58	52.27	0.12	24.92	0.01	10.43	100.39	CP	salite
87-SBB-0093	71 06	105 13	13	7776865	491642	5	20	0.86	0.00	0.01	50.34	0.00	47.82	0.05	0.12	0.18	99.38	IL	ilmenite
87-SBB-0159	71 42	107 30	13	7957117	412405	5	21	0.24	0.58	1.72	4.94	53.76	0.15	23.56	0.57	15.60	101.11	CP	Cr-diopside
87-SBB-0180	71 42	108 47	13	7960385	367542	7	51	0.00	0.00	0.00	0.00	0.00	0.00	32.16	0.00	20.05	52.22	OT	dolomite
87-SBB-0180	71 42	108 47	13	7960385	367542	7	52	0.03	0.00	0.07	0.00	96.79	0.06	0.07	0.00	0.00	97.03	OT	quartz
88-SBB-0007	68.58	109.54	11	7741641	547445	5	23	0.10	0.85	0.85	3.68	54.15	0.48	22.44	1.41	16.46	100.43	CP	Cr-diopside
88-SBB-0007	68.58	109.54	11	7741641	547445	5	24	0.09	2.14	32.69	8.00	37.29	0.50	1.76	0.01	6.33	88.81	IL	tourmaline
88-SBB-0007	68.58	109.54	11	7741641	547445	5	25	0.54	0.00	0.08	47.89	0.00	48.75	0.08	0.09	0.00	97.43	SP	ilmenite
88-SBB-0016	69 33	107 17	13	7719329	413140	5	26	0.36	1.83	11.26	20.49	42.89	1.42	14.10	0.05	8.10	100.48	SP	augite

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
88-SBB-0026	69 42	104 27	13	7732338	521296	5	27	0.79	0.00	0.12	47.83	0.00	50.83	0.10	0.02	0.00	99.69	SP	ilmenite
88-SBB-0026	69 42	104 27	13	7732338	521296	5	28	0.51	0.00	0.03	48.73	0.00	49.33	0.05	0.03	0.00	98.69	SP	ilmenite
88-SBB-0044	68 48	110 08	12	7632130	535111	5	29	0.14	0.47	1.28	5.91	51.35	1.18	23.99	0.25	14.83	99.41	CP	diopside
88-SBB-0094	71 52	108 32	12	7976022	585768	5	30	0.33	0.01	0.04	46.40	0.00	49.82	0.10	0.04	0.36	97.09	SP	ilmenite
88-SBB-0094	71 52	108 32	12	7976022	585768	5	31	0.36	0.30	0.15	91.11	0.00	0.06	0.10	0.06	0.00	92.13	OT	magnetite
88-SBB-0097	71 33	108 08	12	7940979	601346	5	32	0.16	0.40	1.87	5.24	53.38	0.16	23.83	0.30	15.50	100.84	CP	diopside
88-SBB-0097	71 33	108 08	12	7940979	601346	5	33	0.15	0.66	1.80	4.18	53.41	0.16	23.92	0.72	15.67	100.66	CP	Cr-diopside
88-SBB-0097	71 33	108 08	12	7940979	601346	5	34	0.20	0.53	1.24	3.89	53.60	0.16	24.82	0.64	15.36	100.44	CP	Cr-diopside
88-SBB-0114	71 18	108 33	12	7912461	587653	5	35	0.19	0.43	1.35	5.34	53.60	0.15	23.89	0.56	15.27	100.76	CP	Cr-diopside
88-SBB-0114	71 18	108 33	12	7912461	587653	5	36	0.18	0.47	0.63	4.76	53.48	0.12	24.51	0.28	14.99	99.43	CP	diopside
88-SBB-0114	71 18	108 33	12	7912461	587653	5	37	1.39	0.00	0.13	46.96	0.00	48.99	0.12	0.04	0.00	97.64	SP	ilmenite
88-SBB-0114	71 18	108 33	12	7912461	587653	5	38	1.31	0.00	0.04	47.27	0.00	51.21	0.10	0.04	0.00	99.98	SP	ilmenite
88-SBB-0117	71 17	108 07	12	7910911	603134	5	39	0.18	0.00	22.08	14.02	38.32	0.11	24.76	0.03	0.04	99.55	CP	grossular
88-SBB-0117	71 17	108 07	12	7910911	603134	5	41	0.52	0.03	7.27	38.49	0.00	0.31	0.06	46.57	5.08	98.33	SP	chromite
88-SBB-0118	71 17	108 07	12	7910911	603134	5	42	0.24	0.93	2.42	5.90	52.63	0.17	22.36	0.55	14.24	99.44	CP	Cr-diopside
88-SBB-0118	71 17	108 07	12	7910911	603134	5	43	0.36	0.56	1.87	4.33	53.70	0.08	23.05	0.60	16.58	101.13	CP	Cr-diopside
82-HCA-050712	72 55	110 02	12	8091280	531697	2	1	0.17	0.13	2.02	6.24	52.41	0.42	21.80	0.44	17.75	101.38	CP	diopside
82-HCA-050712	72 55	110 02	12	8091280	531697	2	2	0.17	0.07	2.41	5.78	52.19	0.38	21.18	0.71	17.89	100.78	CP	Cr-diopside
82-HCA-050712	72 55	110 02	12	8091280	531697	2	3	0.10	0.00	8.66	18.13	35.83	0.19	35.46	0.05	0.08	98.50	CP	andradite
82-HCA-050712	72 55	110 02	12	8091280	531697	2	4	0.11	0.00	6.74	2.73	49.20	0.18	27.45	0.03	14.32	100.76	CP	diopside
82-HCA-050712	72 55	110 02	12	8091280	531697	2	5	0.18	0.08	1.91	5.81	52.44	0.36	20.17	0.72	19.33	101.01	CP	Cr-diopside
82-HCA-050712	72 55	110 02	12	8091280	531697	2	6	0.20	0.22	3.79	6.08	52.00	0.49	20.79	0.82	17.04	101.42	CP	Cr-diopside
82-HCA-090707	72 45	112 22	12	8072943	454765	2	7	0.79	0.00	0.03	46.68	0.00	52.26	0.06	0.12	0.00	99.95	SP	ilmenite
82-HCA-170711	70 26	110 17	12	7814179	526789	2	8	0.02	2.36	34.96	7.93	35.81	0.40	0.59	0.04	5.01	87.12	SP	tourmaline
82-HCA-220714	70 41	111 20	12	7841937	487695	2	9	0.18	0.15	3.25	5.93	51.63	0.49	22.20	1.20	16.76	101.77	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	10	0.17	0.17	3.13	5.90	52.15	0.47	21.96	1.04	16.31	101.30	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	11	0.14	0.14	2.49	5.65	52.05	0.36	21.78	0.99	17.55	101.15	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	12	0.18	0.10	1.87	7.07	53.34	0.36	19.88	0.12	18.28	101.21	CP	diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	13	0.19	0.16	2.11	5.51	52.72	0.32	21.13	0.79	18.28	101.21	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	14	0.21	0.22	3.60	5.66	51.72	0.48	21.46	1.32	16.35	101.02	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	15	0.19	0.19	2.84	5.80	51.93	0.44	21.06	0.98	16.25	99.67	CP	Cr-diopside

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
82-HCA-220714	72 32	110 39	12	8048289	511726	2	16	0.19	0.13	1.75	6.41	52.95	0.40	20.72	0.57	17.63	100.75	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	17	0.18	0.11	2.44	5.96	51.91	0.39	22.02	0.77	17.63	101.41	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	18	0.24	0.11	1.65	6.79	52.56	0.35	20.19	0.33	17.99	100.20	CP	diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	19	0.20	0.20	3.51	6.68	51.28	0.48	19.27	1.12	17.38	100.12	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	20	0.17	0.19	2.43	5.73	52.46	0.41	21.79	0.70	17.02	100.90	CP	Cr-diopside
82-HCA-220721	72 12	109 56	12	8011397	536396	2	21	0.19	0.45	1.72	4.84	53.04	0.14	23.38	0.20	15.27	99.22	CP	diopside
82-HCA-220721	72 12	109 56	12	8011397	536396	2	22	0.21	0.54	1.55	5.34	53.02	0.14	22.97	0.59	15.19	99.53	CP	Cr-diopside
82-HCA-220723	71 43	111 13	12	7957178	492412	2	23	2.34	0.00	22.13	29.13	37.83	0.13	1.78	0.05	5.28	98.67	GA	almandine
82-HCA-280708	71 47	110 15	12	7964757	526169	2	24	0.32	1.40	36.37	13.41	35.50	0.14	0.11	0.01	0.40	87.65	CP	tourmaline
82-HCA-280711	71 32	109 53	12	7937073	539479	2	25	0.77	0.00	22.10	32.14	38.18	0.15	2.09	0.07	4.36	99.87	GA	almandine
82-HCA-280714	71 25	110 41	12	7923733	511265	2	26	0.43	0.00	0.14	46.83	0.00	49.00	0.05	0.06	1.30	97.80	SP	ilmenite
82-HCA-280718	71 08	112 17	12	7892584	453685	2	27	0.26	0.00	0.59	29.42	0.00	51.48	0.06	2.27	13.50	97.58	SP	picroilmenite
82-HCA-310703	70 49	111 16	12	7856804	490219	2	28	0.91	0.00	22.86	29.77	38.31	0.10	2.27	0.08	6.64	100.94	GA	almandine
82-HCA-310705	70 51	110 43	12	7860519	510373	2	29	0.03	0.00	3.82	2.22	51.06	0.13	25.78	0.02	15.49	98.56	CP	diopside
82-HCA-310705	70 51	110 43	12	7860519	510373	2	30	0.07	0.00	0.03	28.43	35.81	0.11	35.69	0.05	0.14	100.33	CP	andradite
82-HCA-310708	70 49	110 14	12	7856906	528118	2	31	2.59	0.00	21.32	29.37	37.14	0.16	6.89	0.04	1.40	98.90	GA	almandine
82-HCA-310708	70 49	110 14	12	7856906	528118	2	32	0.60	0.00	22.14	24.43	38.50	0.12	7.06	0.08	5.93	98.86	GA	almandine
82-HCA-310708	70 49	110 14	12	7856906	528118	2	33	0.95	0.00	22.68	23.01	38.39	0.26	10.38	0.05	5.10	100.82	GA	almandine
82-HCA-310708	70 49	110 14	12	7856906	528118	2	34	7.96	0.00	21.72	25.24	37.81	0.11	4.41	0.04	2.94	100.24	CP	almandine
82-HCA-310708	70 49	110 14	12	7856906	528118	2	35	0.34	0.00	22.11	7.68	42.18	0.48	4.77	3.11	20.14	100.80	CP	Cr-pyrope
82-HCA-310714	71 03	110 37	12	7882847	513893	2	36	0.23	0.00	24.34	11.69	38.17	0.21	23.83	0.03	0.00	98.50	GA	zoisite
82-HCA-310714	71 03	110 37	12	7882847	513893	2	37	0.02	0.00	25.77	9.78	38.17	0.24	25.03	0.02	0.16	99.21	GA	zoisite
82-HCA-310714	71 03	110 37	12	7882847	513893	2	38	0.30	0.00	21.46	31.48	37.08	0.20	6.99	0.06	1.66	99.23	GA	almandine
82-HCA-310714	71 03	110 37	12	7882847	513893	2	39	1.95	0.00	21.24	28.44	37.74	0.20	7.15	0.05	2.66	99.42	GA	almandine
82-HCA-310714	71 03	110 37	12	7882847	513893	2	40	0.31	0.00	20.67	6.83	42.79	0.30	5.22	4.26	20.43	100.82	GA	Cr-pyrope
82-HCA-310714	71 03	110 37	12	7882847	513893	2	41	0.31	0.00	0.09	89.83	0.00	3.16	0.09	0.06	1.18	94.71	GA	Ti-magnetite
82-HCA-310714	71 03	110 37	12	7882847	513893	2	42	0.46	0.00	0.03	47.01	0.00	52.13	0.09	0.16	0.51	100.37	IL	ilmenite
82-HCA-310714	71 03	110 37	12	7882847	513893	2	43	1.03	0.00	1.36	2.53	52.94	0.17	26.50	0.03	16.45	101.02	IL	diopside
82-HCA-310716	71 02	111 47	12	7881124	471585	2	44	0.21	0.46	1.08	4.12	54.08	0.10	24.30	0.24	16.59	101.18	SP	diopside
82-HCA-310716	71 02	111 47	12	7881124	471585	2	45	0.35	0.00	20.26	7.66	42.16	0.20	5.75	4.73	20.30	101.39	SP	Cr-pyrope
82-HCA-310716	71 02	111 47	12	7881124	471585	2	46	0.14	0.00	0.04	93.50	0.00	0.05	0.10	0.22	0.00	94.06	GA	magnetite

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
86-HCA-020804	73 28	105 15	13	8151900	492000	2	48	0.57	0.00	0.06	48.65	0.00	48.66	0.08	0.05	0.30	98.37	CP	ilmenite
86-HCA-020805	73 30	105 16	13	8156800	491600	2	49	0.26	0.00	0.54	38.60	0.00	44.40	0.06	3.23	9.96	97.06	IL	picroilmenite
86-HCA-310702	73 30	104 36	13	8155200	512600	2	50	1.46	0.00	21.51	32.24	37.36	0.15	7.20	0.06	1.16	101.15	IL	almandine
86-HCA-310702	73 30	104 36	13	8155200	512600	2	51	0.06	0.04	0.12	59.20	0.03	0.15	0.19	0.11	0.02	59.91	IL	siderite
86-HCA-310702	73 30	104 36	13	8155200	512600	2	52	0.02	0.00	0.17	0.09	0.28	0.00	55.23	0.00	0.04	55.83	IL	calcite
86-HCA-310702	73 30	104 36	13	8155200	512600	2	53	0.06	0.04	0.12	59.48	0.09	0.13	0.20	0.08	0.11	60.31	IL	siderite
86-HCA-310702	73 30	104 36	13	8155200	512600	2	54	0.11	0.25	0.68	57.49	1.88	0.01	1.04	0.05	0.00	61.52	IL	siderite
86-HCA-310702	73 30	104 36	13	8155200	512600	2	55	0.32	0.14	0.14	59.03	0.03	0.13	0.20	0.12	0.00	60.12	IL	siderite
82-HCA-230710	72 20	112 10	12	8026327	460481	7	53	0.16	0.08	0.64	76.28	4.15	0.00	0.64	0.06	0.30	82.31	OT	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	7	54	0.19	0.00	0.07	74.02	2.73	0.00	0.35	0.03	0.23	77.63	OT	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	7	55	0.16	0.05	0.65	73.10	4.50	0.13	1.06	0.04	0.37	80.06	OT	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	7	56	0.12	1.73	14.25	20.92	32.51	0.13	0.68	0.05	16.96	87.34	OT	biotite?
82-HCA-260604	71 33	111 52	12	7938791	469386	7	57	0.25	0.00	0.05	13.67	39.48	0.10	0.40	0.08	45.09	99.12	OT	olivine
82-HCA-280701	71 43	113 32	12	7959027	411317	7	58	0.19	0.00	16.20	26.75	27.01	1.89	16.99	0.05	3.14	92.21	OT	(garnet?)
82-HCA-280701	71 43	113 32	12	7959027	411317	7	59	0.23	1.19	7.87	8.64	53.36	0.82	15.22	0.11	11.85	99.31	OT	diopside
82-HCA-280701	71 43	113 32	12	7959027	411317	7	60	0.06	0.00	1.29	1.06	94.20	0.08	0.25	0.01	0.84	97.79	OT	quartz
82-HCA-280701	71 43	113 32	12	7959027	411317	7	61	0.18	0.00	1.98	58.29	10.40	11.32	10.52	0.05	0.09	92.83	OT	ilm.+sil.
82-HCA-280701	71 43	113 32	12	7959027	411317	7	62	0.18	0.01	18.13	23.08	31.87	0.34	0.28	0.05	15.19	89.13	OT	chlorite
82-HCA-280701	71 43	113 32	12	7959027	411317	7	63	0.02	5.93	27.68	0.89	56.17	0.14	10.88	0.03	0.09	101.83	OT	plagioclase
82-HCA-280701	71 43	113 32	12	7959027	411317	7	64	0.09	0.05	1.01	85.48	1.48	0.04	0.22	0.08	0.00	88.45	OT	magnetite
82-HCA-280701	71 43	113 32	12	7959027	411317	7	65	0.06	7.56	24.40	1.29	58.49	0.15	8.47	0.03	0.09	100.54	OT	plagioclase
82-HCA-280701	71 43	113 32	12	7959027	411317	7	66	0.07	0.10	17.85	13.11	42.93	0.22	0.25	0.02	12.89	87.44	OT	amphibole?
82-HCA-280701	71 43	113 32	12	7959027	411317	7	67	0.35	0.00	2.41	43.10	4.12	39.72	4.12	0.05	0.77	94.65	OT	ilmen.+sil.
82-HCA-280701	71 43	113 32	12	7959027	411317	7	68	0.23	0.14	1.16	79.61	0.78	7.78	0.12	0.10	0.00	89.91	OT	hem.+qtz
82-HCA-280701	71 43	113 32	12	7959027	411317	7	69	0.21	0.13	15.94	33.01	25.68	0.58	14.78	0.13	2.11	92.57	OT	(garnet?)
82-HCA-280701	71 43	113 32	12	7959027	411317	7	70	0.02	0.00	18.68	0.16	65.88	0.13	0.08	0.01	0.01	84.97	OT	K-feldspar
82-HCA-280701	71 43	113 32	12	7959027	411317	7	71	0.11	0.11	12.00	13.65	35.44	0.29	0.57	0.12	23.70	86.00	OT	phlogopite
82-HCA-280701	71 43	113 32	12	7959027	411317	7	72	0.17	0.00	21.59	10.81	36.46	0.12	23.02	0.01	2.03	94.22	OT	grossular
82-HCA-280701	71 43	113 32	12	7959027	411317	7	73	0.15	0.13	3.50	4.89	51.46	0.37	21.77	0.81	16.68	99.77	OT	Cr-diopside
82-HCA-280701	71 43	113 32	12	7959027	411317	7	74	0.22	0.00	0.00	0.91	0.00	0.00	30.51	0.00	19.44	51.07	OT	dolomite
86-HCA-090805	72 27	108 51	12XWR	8039600	572400	7	75	0.79	0.00	22.90	32.37	38.37	0.13	1.25	0.04	5.13	100.98	OT	almandine

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
86-HCA-240706	72 56	106 07	13XDL	8092700	463300	7	76	0.86	0.00	22.53	33.64	39.22	0.13	1.45	0.05	5.78	103.66	OT	almandine
82-HCA-220717	72 21	110 28	12	8027887	518049	7	78	0.13	0.00	16.28	8.22	38.91	0.76	36.61	0.04	0.44	101.38	OT	grossular
82-HCA-220717	72 21	110 28	12	8027887	518049	7	79	0.29	0.13	9.45	15.84	37.75	0.66	35.53	0.03	0.63	100.32	OT	andradite
82-HCA-230703	72 03	113 07	12	7995623	427200	7	80	0.14	0.00	17.07	7.03	39.05	0.74	35.76	0.07	0.80	100.66	OT	grossular
82-HCA-230703	72 03	113 07	12	7995623	427200	7	81	0.05	0.00	21.66	3.78	42.17	0.09	27.18	0.02	0.28	95.23	OT	prehnite
86-HCA-260702	72 41	106 23	13XDL	8065100	454200	7	82	0.02	0.66	18.87	0.00	65.67	0.08	0.07	0.01	0.00	85.39	OT	K-feldspar
86-HCA-310703	73 27	104 34	13XEM	8151200	513900	7	83	0.07	0.00	0.00	0.57	0.00	0.00	29.51	0.00	19.71	49.86	OT	dolomite
86-HCA-310703	73 27	104 34	13XEM	8151200	513900	7	84	0.05	0.00	0.00	0.49	0.00	0.00	29.90	0.00	19.88	50.33	OT	dolomite
86-HCA-310703	73 27	104 34	13XEM	8151200	513900	7	85	0.00	9.26	24.95	0.00	60.91	0.00	5.07	0.00	0.00	100.18	OT	plagioclase
86-HCA-310703	73 27	104 34	13XEM	8151200	513900	7	86	0.04	0.00	0.03	0.00	97.39	0.09	0.04	0.00	0.01	97.61	OT	quartz
86-HCA-310703	73 27	104 34	13XEM	8151200	513900	7	87	0.18	0.00	0.05	0.66	0.04	0.00	28.30	0.00	19.82	49.06	OT	dolomite
86-HCA-310703	73 27	104 34	13XEM	8151200	513900	7	88	0.09	0.00	0.00	0.66	0.00	0.00	30.00	0.00	19.59	50.35	OT	dolomite
86-HCA-310703	73 27	104 34	13XEM	8151200	513900	7	89	0.03	0.00	0.00	0.00	0.00	0.00	30.98	0.00	20.46	51.48	OT	dolomite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	1	0.18	0.00	0.02	73.47	2.35	0.06	0.30	0.02	0.60	77.00	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	2	0.16	0.00	0.11	74.41	2.48	0.00	0.17	0.06	0.28	77.67	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	3	0.10	0.17	0.45	72.36	2.87	0.01	0.24	0.05	0.48	76.73	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	4	0.07	0.00	0.18	73.38	2.42	0.03	0.65	0.02	0.00	76.75	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	5	0.08	0.14	0.36	74.36	3.08	0.00	0.43	0.02	0.62	79.09	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	6	0.06	0.00	0.61	70.36	3.83	0.13	0.24	0.01	0.00	75.23	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	7	0.02	0.71	18.92	1.22	66.26	0.08	0.10	0.03	0.00	87.35	BL	K-feldspar
82-HCA-230710	72 20	112 10	12	8026327	460481	8	8	0.09	0.08	3.05	61.37	8.49	0.00	1.59	0.01	1.63	76.31	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	9	0.03	0.00	0.03	0.91	98.77	0.10	0.03	0.00	0.00	99.87	BL	quartz
82-HCA-230710	72 20	112 10	12	8026327	460481	8	10	0.12	0.00	0.04	73.74	2.45	0.05	0.26	0.06	0.00	76.72	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	11	0.45	0.69	0.13	73.45	2.98	0.00	0.39	0.02	0.64	78.75	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	12	0.07	0.00	0.68	72.64	2.33	0.00	0.20	0.02	0.00	75.95	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	13	0.09	0.03	0.28	70.67	2.63	0.01	0.49	0.06	0.13	74.39	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	14	0.11	0.10	0.35	71.77	3.03	0.11	0.48	0.06	0.16	76.18	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	15	0.15	0.00	1.06	74.44	3.86	0.07	0.44	0.04	0.23	80.31	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	16	0.05	0.00	0.02	72.60	2.75	0.00	0.24	0.06	0.23	75.96	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	17	0.25	0.21	2.32	12.60	48.30	0.77	17.99	0.15	14.52	97.12	BL	salite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	18	0.13	0.00	1.43	70.68	3.59	0.04	0.37	0.02	0.58	76.83	BL	hematite

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
82-HCA-230710	72 20	112 10	12	8026327	460481	8	19	0.13	0.11	0.07	70.40	2.35	0.00	0.89	0.05	0.54	74.54	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	20	0.08	0.00	1.03	67.89	4.76	0.11	0.30	0.01	0.91	75.10	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	21	0.19	0.00	0.00	72.24	1.90	0.00	0.18	0.05	0.51	75.07	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	22	0.09	0.02	0.78	69.12	5.10	0.04	0.30	0.04	0.64	76.14	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	23	0.34	0.27	0.99	70.11	4.29	0.00	0.65	0.01	0.35	77.01	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	24	0.09	0.03	1.98	68.47	3.42	0.00	0.31	0.04	0.32	74.65	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	25	0.16	0.00	0.50	67.97	3.23	0.03	0.51	0.02	0.48	72.89	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	26	0.07	0.02	0.15	72.92	1.95	0.04	0.35	0.03	0.48	76.02	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	27	0.09	0.00	0.39	75.24	3.28	0.14	0.61	0.07	0.28	80.08	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	28	0.07	0.19	0.24	75.64	2.91	0.05	0.43	0.00	0.38	79.90	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	29	0.13	0.09	0.58	74.81	3.24	0.00	0.45	0.06	0.27	79.64	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	30	0.14	0.04	0.69	66.19	6.19	0.00	0.53	0.02	0.85	74.65	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	31	0.18	0.16	2.50	63.05	7.10	0.01	0.51	0.02	0.68	74.21	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	32	0.11	0.35	1.06	70.48	3.86	0.16	0.64	0.06	0.52	77.23	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	33	0.06	0.00	0.00	0.50	0.01	0.00	30.67	0.00	20.18	51.42	BL	dolomite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	34	0.07	0.39	4.17	61.15	11.49	0.31	0.51	0.01	0.99	79.08	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	35	0.11	0.07	0.44	74.91	2.55	0.16	0.40	0.07	0.29	79.01	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	36	0.04	0.12	2.46	61.78	10.29	0.21	0.38	0.01	0.97	76.26	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	37	0.02	0.13	18.23	0.85	64.76	0.10	0.17	0.03	0.00	84.28	BL	K-feldspar
82-HCA-230710	72 20	112 10	12	8026327	460481	8	38	0.11	0.17	0.51	71.40	4.70	0.00	0.48	0.05	0.23	77.65	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	39	0.06	0.00	2.12	67.25	6.15	0.00	0.37	0.04	0.86	76.85	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	40	0.08	0.00	1.25	70.36	5.39	0.03	0.87	0.04	0.73	78.76	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	41	0.08	0.00	6.78	26.04	63.09	0.37	0.33	0.05	2.07	98.80	BL	qtz+silicate
82-HCA-230710	72 20	112 10	12	8026327	460481	8	42	0.22	0.07	0.37	74.98	3.02	0.00	0.43	0.05	0.23	79.40	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	43	0.06	0.07	3.03	64.06	8.13	0.02	0.54	0.04	1.07	77.03	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	44	0.11	0.00	1.73	67.44	5.12	0.04	0.42	0.02	0.38	75.27	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	45	0.03	0.00	0.00	0.69	0.00	0.00	29.91	0.00	20.04	50.68	BL	dolomite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	46	0.18	0.25	2.57	59.16	12.34	0.23	2.48	0.08	1.90	79.19	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	47	0.06	0.24	1.31	67.41	5.49	0.13	0.41	0.01	0.51	75.57	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	48	0.06	0.20	0.65	70.60	6.55	0.10	0.81	0.02	0.24	79.24	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	49	0.05	0.00	0.00	1.44	0.00	0.00	29.45	0.00	20.30	51.25	BL	dolomite

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
82-HCA-230710	72 20	112 10	12	8026327	460481	8	50	0.09	0.00	0.94	43.61	46.19	0.22	0.46	0.05	0.69	92.27	BL	grunerite?
82-HCA-230710	72 20	112 10	12	8026327	460481	8	51	0.14	0.04	0.00	0.18	0.00	0.00	52.95	0.00	0.00	53.31	BL	calcite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	52	0.08	0.03	0.45	71.96	4.03	0.22	0.60	0.08	0.46	77.91	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	53	0.09	0.22	0.84	74.58	4.56	0.08	0.75	0.03	0.68	81.83	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	54	0.08	0.08	0.23	77.15	1.84	0.03	0.40	0.03	0.17	80.02	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	55	0.17	0.12	0.63	69.26	4.92	0.00	0.79	0.05	0.61	76.55	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	56	0.02	0.00	0.00	0.79	0.00	0.00	30.60	0.00	20.14	51.56	BL	dolomite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	57	0.17	0.00	0.15	73.60	2.94	0.00	0.57	0.04	0.46	77.94	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	58	0.08	0.13	1.01	69.49	3.70	0.07	0.40	0.06	0.37	75.31	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	59	0.08	0.00	1.35	30.74	3.67	0.20	16.35	0.00	11.84	64.22	BL	carb.+silicate
82-HCA-230710	72 20	112 10	12	8026327	460481	8	60	0.10	0.00	0.00	72.11	2.83	0.01	0.19	0.04	0.29	75.58	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	61	0.15	0.00	0.95	64.01	4.39	0.08	0.75	0.05	0.53	70.89	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	62	0.06	0.00	0.54	70.06	3.90	0.00	0.41	0.02	1.09	76.08	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	63	0.09	0.00	1.27	69.83	5.59	0.00	0.59	0.05	0.56	77.96	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	64	0.04	0.12	0.02	74.65	0.95	0.12	0.23	0.04	0.04	76.20	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	65	0.21	0.00	0.17	73.00	2.50	0.00	0.38	0.02	0.59	76.88	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	66	0.12	0.00	20.10	11.51	36.31	0.18	22.83	0.04	1.95	93.04	BL	grossular
82-HCA-230710	72 20	112 10	12	8026327	460481	8	67	0.07	0.00	1.77	68.26	4.84	0.40	0.23	0.11	0.63	76.30	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	68	0.08	0.05	0.73	70.10	2.68	0.06	0.35	0.04	0.70	74.79	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	69	0.07	0.00	0.65	70.32	3.24	0.17	0.52	0.10	0.59	75.67	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	70	0.08	0.04	0.05	72.27	2.78	0.02	0.24	0.04	0.87	76.37	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	71	0.08	0.00	2.13	68.62	4.19	0.07	0.24	0.04	0.50	75.87	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	72	0.13	0.00	0.14	74.37	3.30	0.00	0.52	0.03	0.53	79.03	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	73	0.05	0.00	0.28	73.23	2.80	0.00	0.23	0.05	0.35	77.01	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	74	0.09	0.01	0.90	68.79	3.81	0.02	0.49	0.05	0.59	74.74	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	75	0.07	0.00	0.57	68.87	4.76	0.01	0.56	0.03	0.83	75.71	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	76	0.05	0.01	0.31	71.60	3.24	0.00	0.27	0.03	0.11	75.63	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	77	0.07	0.00	0.47	2.12	1.07	0.00	28.90	0.00	19.09	51.73	BL	dolomite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	78	0.08	0.00	0.70	70.98	3.74	0.07	0.23	0.04	0.19	76.03	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	79	0.10	0.00	0.37	70.99	3.33	0.02	0.62	0.03	0.49	75.93	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	80	0.12	0.00	0.02	73.87	2.24	0.00	0.24	0.04	0.19	76.71	BL	hematite

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
82-HCA-230710	72 20	112 10	12	8026327	460481	8	81	0.09	0.18	3.63	63.42	8.93	0.46	0.37	0.03	1.15	78.26	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	82	0.05	0.00	0.07	70.35	3.53	0.00	0.38	0.03	0.79	75.20	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	83	0.06	0.06	0.36	72.10	3.48	0.03	0.32	0.05	0.15	76.61	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	84	0.08	0.09	11.41	22.79	40.01	1.30	2.41	0.02	3.13	81.25	BL	biotite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	85	0.14	0.00	1.28	66.82	3.68	0.05	0.74	0.04	0.42	73.17	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	86	0.05	0.05	0.18	70.70	4.51	0.02	0.22	0.03	0.00	75.76	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	87	0.14	0.08	0.61	72.94	4.48	0.03	0.70	0.03	0.27	79.29	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	88	0.07	0.27	0.53	70.16	7.14	0.05	0.98	0.01	0.19	79.40	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	89	0.10	0.00	0.36	72.63	3.20	0.04	1.33	0.04	0.43	78.13	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	90	0.08	0.06	0.59	70.72	3.89	0.15	0.61	0.06	0.43	76.57	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	91	0.13	0.01	0.17	72.45	2.77	0.07	0.31	0.02	0.55	76.48	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	92	0.03	0.00	0.00	0.00	0.00	0.00	31.71	0.00	19.79	51.54	BL	dolomite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	93	0.03	0.28	1.83	61.12	7.54	0.14	3.40	0.05	2.64	77.03	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	94	0.11	0.00	2.20	64.26	6.85	0.04	0.53	0.01	0.78	74.78	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	95	0.05	0.12	0.53	68.80	3.47	0.00	0.31	0.04	0.77	74.08	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	96	0.14	0.00	0.60	72.28	3.55	0.04	0.45	0.06	0.42	77.55	BL	hematite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	97	0.23	0.91	28.56	2.95	39.26	0.13	22.45	0.02	0.87	95.38	OL	zoisite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	98	0.28	0.24	2.08	6.37	51.81	0.46	20.86	0.44	16.97	99.49	OL	diopside
82-HCA-230710	72 20	112 10	12	8026327	460481	8	99	0.04	0.04	23.46	2.03	43.72	0.12	27.13	0.04	0.00	96.60	OL	prehnite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	100	0.05	12.87	21.44	0.03	65.92	0.10	0.69	0.00	0.00	101.10	OL	albite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	101	0.05	0.00	0.00	0.19	0.00	0.00	29.93	0.00	20.10	50.27	OL	dolomite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	102	0.02	0.00	0.00	0.18	0.00	0.00	28.10	0.00	18.98	47.29	OL	(dolomite)
82-HCA-230710	72 20	112 10	12	8026327	460481	8	103	0.03	0.00	0.00	0.08	0.00	0.00	30.03	0.00	19.73	49.87	OL	dolomite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	104	0.07	0.00	0.00	0.78	0.00	0.00	29.88	0.00	19.84	50.57	OL	dolomite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	105	0.01	0.00	0.01	0.00	0.00	0.00	30.17	0.00	20.34	50.53	OL	dolomite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	106	0.01	0.00	0.00	0.22	0.00	0.00	30.49	0.00	20.10	50.82	OL	dolomite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	107	0.02	0.00	0.00	0.06	0.00	0.00	29.35	0.00	19.63	49.06	OL	dolomite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	108	0.04	0.00	0.00	0.00	0.00	0.00	30.79	0.00	20.08	50.91	OL	dolomite
82-HCA-230710	72 20	112 10	12	8026327	460481	8	109	0.03	0.00	0.00	0.16	0.00	0.00	29.55	0.00	20.56	50.29	OL	dolomite

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
Duplicates																			
81-VH-0067	73 09	114 05	11	8119349	594338	1	5	0.01	0.00	0.00	0.00	0.00	0.00	32.94	0.00	20.55	53.50	GA	dolomite, duplicate split of 81-VH-0001
82-VH-0179	70 44	114 38	11	7849179	587143	1	68	1.00	0.00	21.37	29.04	37.28	0.23	7.85	0.07	2.19	99.03	GA	almandine, duplicate split of 82-VH-0008
82-VH-0179	70 44	114 38	11	7849179	587143	1	69	20.36	0.02	20.21	13.50	37.12	0.24	7.00	0.11	1.81	100.39	GA	spessartine, duplicate split of 82-VH-0008
82-VH-0179	70 44	114 38	11	7849179	587143	1	70	0.98	0.00	21.70	27.09	38.76	0.22	6.46	0.06	4.81	100.08	GA	almandine, duplicate split of 82-VH-0008
82-VH-0179	70 44	114 38	11	7849179	587143	1	71	0.91	0.00	21.90	28.62	38.34	0.22	6.82	0.08	4.37	101.27	GA	almandine, duplicate split of 82-VH-0008
82-VH-0179	70 44	114 38	11	7849179	587143	1	72	0.13	0.71	1.26	4.81	53.39	0.63	22.29	0.79	16.43	100.43	CP	Cr-diopside , duplicate split of 82-VH-0008
82-VH-0179	70 44	114 38	11	7849179	587143	1	73	1.56	0.00	0.01	48.11	0.00	50.76	0.09	0.03	0.00	100.56	IL	ilmenite, duplicate split of 82-VH-0008
82-VH-0179	70 44	114 38	11	7849179	587143	1	74	1.48	0.00	0.02	47.84	0.00	48.94	0.78	0.06	0.00	99.13	IL	ilmenite, duplicate split of 82-VH-0008
82-VH-0179	70 44	114 38	11	7849179	587143	1	75	2.41	0.06	0.08	47.30	0.00	49.04	0.06	0.04	0.00	98.99	IL	ilmenite, duplicate split of 82-VH-0008
82-VH-0179	70 44	114 38	11	7849179	587143	1	76	0.46	0.00	0.09	47.17	0.00	50.40	0.10	0.04	1.15	99.40	SP	ilmenite, duplicate split of 82-VH-0008
82-VH-0181	71 04	117 58	11	7884945	464992	1	77	0.51	0.83	3.76	30.24	47.54	0.49	11.31	0.02	4.82	99.52	SP	hedenbergite, duplicate split of 82-VH-0019
82-VH-0181	71 04	117 58	11	7884945	464992	1	87	0.19	0.00	1.50	88.26	0.19	0.11	0.09	0.08	4.43	94.84	SP	magnetite, duplicate split of 82-VH-0019
82-VH-0184	71 53	117 58	11	7976017	466449	1	78	0.17	0.17	3.99	5.37	51.15	0.40	21.09	0.90	16.87	100.10	CP	Cr-diopside , duplicate split of 82-VH-0066

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
82-VH-0184	71 53	117 58	11	7976017	466449	1	79	0.17	0.18	3.25	5.84	51.75	0.45	20.49	0.99	17.74	100.87	CP	Cr-diopside , duplicate split of 82-VH-0066
82-VH-0184	71 53	117 58	11	7976017	466449	1	80	0.16	0.13	3.45	5.05	51.92	0.41	21.63	1.23	16.84	100.82	CP	Cr-diopside , duplicate split of 82-VH-0066
82-VH-0184	71 53	117 58	11	7976017	466449	1	81	0.14	0.15	3.66	5.41	50.57	0.46	20.63	1.11	16.67	98.81	CP	Cr-diopside , duplicate split of 82-VH-0066
82-VH-0184	71 53	117 58	11	7976017	466449	1	82	0.22	0.17	2.37	5.10	53.14	0.32	21.33	0.72	18.09	101.46	CP	Cr-diopside , duplicate split of 82-VH-0066
82-VH-0184	71 53	117 58	11	7976017	466449	1	83	0.13	0.10	3.01	5.72	52.11	0.42	20.18	0.54	17.09	99.30	CP	Cr-diopside , duplicate split of 82-VH-0066
82-VH-0184	71 53	117 58	11	7976017	466449	1	84	0.19	0.18	3.57	5.46	51.66	0.43	20.00	1.14	16.93	99.57	CP	Cr-diopside , duplicate split of 82-VH-0066
82-VH-0184	71 53	117 58	11	7976017	466449	1	85	0.24	0.15	3.80	5.94	51.33	0.45	19.06	1.01	17.12	99.10	CP	Cr-diopside , duplicate split of 82-VH-0066
82-VH-0184	71 53	117 58	11	7976017	466449	1	86	0.18	0.12	2.55	4.87	52.16	0.35	20.69	0.90	17.39	99.20	CP	Cr-diopside , duplicate split of 82-VH-0066
82-VH-0185	72 06	116 48	11	7999931	506861	1	88	0.15	0.18	1.92	6.00	52.28	0.33	20.04	0.66	17.40	98.98	CP	Cr-diopside , duplicate split of 82-VH-0078
82-VH-0185	72 06	116 48	11	7999931	506861	1	89	0.18	0.19	2.18	5.64	52.82	0.36	19.97	0.78	18.47	100.60	CP	Cr-diopside , duplicate split of 82-VH-0078
82-VH-0185	72 06	116 48	11	7999931	506861	1	90	0.15	0.18	3.41	5.63	52.23	0.44	20.26	1.08	17.60	100.97	CP	Cr-diopside , duplicate split of 82-VH-0078
84-SBBK-0002	69 33	112 23	12	7716122	446191	4	48	1.99	0.00	22.35	30.30	38.66	0.13	2.81	0.09	4.66	101.00	GA	almandine, duplicate split of 84-SBB-0134
84-SBBK-0002	69 33	112 23	12	7716122	446191	4	49	0.20	0.41	1.25	6.52	53.98	0.23	21.41	0.40	14.93	99.33	CP	diopside, duplicate split of 84-SBB-0134
84-SBBK-0002	69 33	112 23	12	7716122	446191	4	50	0.28	0.35	1.08	5.41	53.86	0.13	22.92	0.19	14.96	99.18	CP	diopside, duplicate split of 84-SBB-0134
84-SBBK-0002	69 33	112 23	12	7716122	446191	4	51	0.84	0.27	1.98	5.61	52.81	0.18	25.30	0.78	13.48	101.26	CP	Cr-diopside , duplicate split of 84-SBB-0134

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
84-SBBK-0002	69 33	112 23	12	7716122	446191	4	52	0.21	0.27	1.06	5.53	54.13	0.18	23.48	0.22	15.67	100.74	CP	diopside, duplicate split of 84-SBB-0134
84-SBBK-0002	69 33	112 23	12	7716122	446191	4	53	0.32	0.32	1.56	5.87	53.37	0.12	22.72	0.22	15.20	99.70	CP	diopside, duplicate split of 84-SBB-0134
84-SBBK-0002	69 33	112 23	12	7716122	446191	4	54	0.59	0.12	1.69	6.41	56.01	0.15	13.85	0.04	19.96	98.83	CP	tremolite?, duplicate split of 84-SBB-0134
84-SBBK-0002	69 33	112 23	12	7716122	446191	4	55	0.58	0.00	0.07	48.55	0.00	49.16	0.06	0.05	0.18	98.65	IL	ilmenite, duplicate split of 84-SBB-0134
84-SBBK-0002	69 33	112 23	12	7716122	446191	4	56	1.62	0.00	0.06	46.55	0.00	51.06	0.05	0.04	0.46	99.84	SP	ilmenite, duplicate split of 84-SBB-0134
84-SBBK-0002	69 33	112 23	12	7716122	446191	4	57	0.91	0.00	0.04	47.97	0.00	51.35	0.05	0.05	0.00	100.36	SP	ilmenite, duplicate split of 84-SBB-0134
84-SBBK-0002	69 33	112 23	12	7716122	446191	4	58	0.16	0.00	0.06	93.59	0.00	0.04	0.09	0.09	0.00	94.01	SP	magnetite, duplicate split of 84-SBB-0134
84-SBBK-0002	69 33	112 23	12	7716122	446191	4	59	1.24	0.00	0.03	45.89	0.00	51.77	0.06	0.08	1.29	100.36	SP	ilmenite, duplicate split of 84-SBB-0134
84-SBBK-0002	69 33	112 23	12	7716122	446191	4	60	0.61	0.03	0.03	49.21	0.00	50.60	0.05	0.04	0.00	100.58	SP	ilmenite, duplicate split of 84-SBB-0134
85-SBBK-0001	70 50	104 09	13	7784881	532182	5	8	0.16	0.39	2.69	4.07	53.01	0.13	24.21	0.53	15.94	101.12	CP	Cr-diopside , duplicate split of 85-SBB-0337
85-SBBK-0001	70 50	104 09	13	7784881	532182	5	9	0.33	0.66	1.41	5.66	53.05	0.10	24.09	0.46	14.66	100.41	CP	diopside, duplicate split of 85-SBB-0337
85-SBBK-0001	70 50	104 09	13	7784881	532182	5	10	0.20	0.47	2.04	5.78	52.75	0.18	23.00	0.32	15.59	100.33	CP	diopside, duplicate split of 85-SBB-0337
85-SBBK-0001	70 50	104 09	13	7784881	532182	5	11	0.12	1.26	8.14	3.97	50.62	0.16	14.11	1.54	19.30	99.22	CP	Cr-diopside , duplicate split of 85-SBB-0337
85-SBBK-0001	70 50	104 09	13	7784881	532182	5	12	0.21	0.60	1.59	4.34	53.16	0.22	24.17	1.23	15.70	101.22	CP	Cr-diopside , duplicate split of 85-SBB-0337
85-SBBK-0002	70 07	105 58	13	7779373	463187	5	13	0.16	1.30	5.16	5.53	51.26	0.47	19.08	0.66	16.69	100.31	CP	Cr-diopside , duplicate split of 85-SBB-0368

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B2: Victoria Island - Microprobe Results

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
88-SBBK-0002	69 13	103 48	13	7679180	547513	5	44	0.23	1.31	0.98	5.51	52.91	0.06	24.10	0.30	14.07	99.48	CP	diopside, duplicate split of 88-SBB-0030
88-SBBK-0002	69 13	103 48	13	7679180	547513	5	45	0.22	0.38	1.21	5.73	53.54	0.15	24.06	0.23	15.01	100.53	CP	diopside, duplicate split of 88-SBB-0030
88-SBBK-0003	68 51	110 14	12	7637651	531006	5	46	1.46	0.00	21.95	33.87	38.29	0.12	2.37	0.06	2.81	100.94	GA	almandine, duplicate split of 88-SBB-0155
88-SBBK-0003	68 51	110 14	12	7637651	531006	5	47	0.33	0.00	22.84	30.05	38.77	0.10	1.46	0.12	7.25	100.92	GA	almandine, duplicate split of 88-SBB-0155
88-SBBK-0003	68 51	110 14	12	7637651	531006	5	48	3.34	0.00	0.08	43.92	0.00	49.05	0.04	0.04	0.56	97.03	SP	ilmenite, duplicate split of 88-SBB-0155
88-SBBK-0004	71 49	107 12	12	7631942	517354	5	49	0.13	0.61	3.55	5.19	52.41	0.29	19.80	0.62	16.99	99.60	CP	Cr-diopside , duplicate split of 88-SBB-0082
88-SBBK-0004	71 49	107 12	12	7631942	517354	5	50	0.02	0.00	0.01	0.00	0.00	0.00	67.59	0.00	0.00	67.62	OT	fluorite, duplicate split of 88-SBB-0082
88-SBBK-0005	71 34	108 13	12	7943059	598067	5	51	0.26	0.17	1.17	8.85	52.69	0.11	22.68	0.23	14.20	100.34	CP	diopside, duplicate split of 88-SBB-0098
88-SBBK-0006	71 18	108 33	12	7912461	587653	5	52	0.17	0.55	1.58	4.81	53.71	0.12	23.99	0.13	15.85	100.91	CP	diopside, duplicate split of 88-SBB-0114
82-HCK-010608	71 34	110 12	12	7940621	528234	2	47	0.15	0.00	0.51	93.78	0.00	0.25	0.10	0.16	0.00	94.96	CP	magnetite, duplicate split of 82-HCA-280710
84-RDK-0001	68 58	107 47	13	7653216	391893	4	61	0.17	0.00	0.14	89.57	0.05	0.09	0.07	0.10	0.00	90.19	SP	magnetite, duplicate split of 84-SBB-0014
84-RDK-0002	71 52	108 19	13	7977062	384834	5	22	0.94	0.00	21.54	34.86	37.22	0.19	2.63	0.10	2.06	99.55	GA	almandine, duplicate split of 87-SBB-0175

* Visual identification by I & M Morrison Geological, GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B3: Victoria Island - Summary of Kimberlite Indicator Minerals

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
81-VH-0037	72 11	118 15	11	8009654	457312	1	2	0.18	0.21	3.57	5.69	52.06	0.41	21.23	1.01	16.59	100.95	CP	Cr-diopside
81-VH-0184	71 53	117 58	11	7976017	466449	1	82	0.22	0.17	2.37	5.10	53.14	0.32	21.33	0.72	18.09	101.46	CP	Cr-diopside
82-VH-0045	72 26	115 53	11	8037448	537618	1	12	0.15	0.10	2.85	4.96	51.90	0.37	22.09	0.83	17.73	100.99	CP	Cr-diopside
82-VH-0055	73 02	116 12	11	8104206	526058	1	14	0.58	0.00	23.22	20.73	40.01	0.09	5.52	0.08	11.20	101.43	GA	pyrope-alm.
82-VH-0137	71 04	117 24	11	7884713	485514	1	91	0.15	0.13	2.75	4.78	51.76	0.31	22.37	0.89	16.56	99.72	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	31	0.18	0.09	3.24	4.59	51.88	0.30	22.86	0.81	17.47	101.42	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	33	0.17	0.18	3.17	5.96	51.97	0.45	21.63	1.02	16.42	100.97	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	34	0.16	0.10	2.09	5.90	52.64	0.37	21.23	0.65	16.68	99.83	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	35	0.17	0.14	1.96	6.14	52.93	0.34	20.38	0.66	17.22	99.94	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	36	0.24	0.13	1.97	6.29	52.74	0.38	20.35	0.74	18.26	101.10	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	37	0.19	0.20	3.06	5.12	52.35	0.38	21.49	0.73	16.92	100.45	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	38	0.19	0.13	3.22	6.20	51.50	0.47	19.95	0.97	15.98	98.61	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	39	0.18	0.08	2.80	6.36	52.55	0.45	20.98	0.74	16.91	101.04	CP	Cr-diopside
82-VH-0138	71 13	116 58	11	7901395	501197	1	40	0.22	0.17	2.55	5.52	52.14	0.35	20.80	0.81	16.68	99.22	CP	Cr-diopside
82-VH-0139	71 25	115 46	11	7924151	543866	1	42	0.22	0.11	2.19	5.93	52.46	0.39	21.50	0.53	17.26	100.59	CP	Cr-diopside
82-VH-0139	71 25	115 46	11	7924151	543866	1	43	0.19	0.21	3.39	5.97	51.39	0.48	21.98	0.84	16.78	101.22	CP	Cr-diopside
82-VH-0139	71 25	115 46	11	7924151	543866	1	45	0.44	0.00	4.62	26.13	0.00	2.63	0.06	55.31	9.77	98.96	SP	chromite
82-VH-0144	71 05	114 32	11	7888334	589235	1	55	0.19	0.16	2.27	5.96	52.16	0.41	20.71	0.75	17.05	99.67	SP	Cr-diopside
82-VH-0144	71 05	114 32	11	7888334	589235	1	56	0.20	0.07	1.81	6.30	53.31	0.34	19.05	0.63	18.26	99.98	SP	Cr-diopside
82-VH-0145	71 04	114 51	11	7886047	577849	1	57	0.18	0.51	1.52	5.23	53.05	0.25	23.69	0.84	15.93	101.19	CP	Cr-diopside
82-VH-0163	72 20	116 22	11	8026057	521452	5	54	0.19	0.12	2.52	5.92	51.85	0.37	20.72	0.69	17.64	100.01	GA	Cr-diopside
82-VH-0164	72 13	115 00	11	8014070	568170	1	61	0.25	0.07	3.72	5.36	51.39	0.39	22.18	1.16	16.87	101.41	CP	Cr-diopside
82-VH-0174	71 51	115 21	11	7972818	557364	1	66	0.14	1.49	1.38	2.65	53.90	0.30	22.06	1.01	16.38	99.32	CP	Cr-diopside
82-VH-0175	71 55	115 21	11	7980256	557160	1	67	0.24	0.16	3.36	5.60	51.36	0.48	20.40	1.14	17.26	99.99	CP	Cr-diopside
82-NJ-0307	69 29	112 05	12	7708081	457750	3	2	0.71	0.00	23.55	20.25	40.42	0.15	6.78	0.07	9.44	101.37	GA	pyrope-alm.
82-NJ-0311	69 29	112 05	12	7708081	457750	3	5	0.57	0.00	23.53	19.82	40.78	0.17	5.55	0.08	10.37	100.86	GA	pyrope-alm.
82-NJ-0311	69 29	112 05	12	7708081	457750	3	7	0.62	0.00	22.47	20.26	40.38	0.20	5.43	0.10	10.01	99.46	GA	pyrope-alm.
82-NJ-0342	69 29	116 20	11	7704507	526248	3	16	0.13	0.86	1.41	4.68	53.86	0.61	22.06	0.89	16.45	100.96	CP	Cr-diopside
82-NJ-0703	71 18	115 08	11	7911717	566791	3	22	0.20	0.13	1.78	6.45	52.82	0.39	21.41	0.50	17.71	101.38	CP	Cr-diopside
83-NJ-0383	69 20	113 05	12	7692373	418070	3	24	0.26	0.41	0.67	4.77	54.51	0.16	23.88	0.56	15.02	100.24	CP	Cr-diopside
83-NJ-0384	69 20	113 05	12	7692373	418070	3	28	0.20	0.56	2.68	4.33	53.21	0.11	22.42	1.24	15.49	100.23	CP	Cr-diopside
83-NJ-0388	69 58	115 53	11	7762745	542813	3	31	0.16	0.90	2.25	4.66	52.35	0.62	21.83	0.80	15.52	99.08	CP	Cr-diopside
83-NJ-0389	70 04	115 46	11	7773976	546792	3	33	0.11	0.73	0.99	3.57	54.33	0.51	22.32	1.15	16.82	100.54	CP	Cr-diopside
83-NJ-0389	70 04	115 46	11	7773976	546792	3	35	0.22	0.54	1.61	3.86	54.50	0.19	23.51	0.62	16.08	101.12	CP	Cr-diopside
83-NJ-0390	70 04	115 46	11	7773976	546792	3	37	0.12	0.92	1.35	4.70	53.65	0.63	21.94	1.34	16.18	100.82	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B3: Victoria Island - Summary of Kimberlite Indicator Minerals

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
83-NJ-0397	69 49	116 41	11	7745288	512196	3	46	0.12	0.75	1.22	4.43	53.76	0.72	23.07	0.92	16.08	101.06	CP	Cr-diopside
82-SBB-0014	69 38	116 29	11	7724522	520201	4	9	0.13	0.90	2.03	4.92	53.34	0.64	21.32	1.33	16.83	101.43	CP	Cr-diopside
82-SBB-0026	69 43	115 56	11	7734835	541391	4	12	0.09	0.77	0.84	3.88	54.13	0.51	22.48	1.36	17.42	101.48	CP	Cr-diopside
82-SBB-0026	69 43	115 56	11	7734835	541391	4	13	0.13	0.72	0.75	4.10	53.97	0.50	22.13	1.23	16.68	100.20	CP	Cr-diopside
82-SBB-0058	69 28	111 55	12	7696835	463448	4	19	0.62	0.35	1.16	4.07	53.72	0.14	23.91	0.55	16.91	101.43	CP	Cr-diopside
82-SBB-0105	69 38	112 00	12	7724754	461153	4	20	0.13	0.60	1.39	5.14	53.45	0.63	22.90	0.58	15.93	100.76	CP	Cr-diopside
82-SBB-0125	69 33	112 23	12	7716122	446191	4	24	0.18	1.10	2.29	4.55	53.42	0.57	22.07	0.99	14.83	100.01	CP	Cr-diopside
82-SBBH-0060	69 45	116 58	11	7740055	494211	4	32	0.41	0.00	19.18	7.22	41.92	0.39	6.25	4.94	20.79	101.11	SP	Cr-pyropse
82-SBBH-0066	69 30	116 03	11	7710227	537130	4	33	0.10	0.93	1.22	3.83	53.51	0.51	21.99	1.52	16.66	100.27	CP	Cr-diopside
84-SBB-0143	68 58	108 44	12	7652519	590897	4	44	0.08	0.53	2.52	3.73	53.78	0.21	23.36	0.90	15.59	100.68	CP	Cr-diopside
84-SBB-0157	68 56	109 54	12	7646704	584283	4	46	0.11	0.76	0.75	3.60	54.72	0.48	22.55	1.23	16.61	100.81	CP	Cr-diopside
85-SBB-0348	70 20	106 08	13	7805125	527711	5	17	0.39	0.00	23.64	24.83	40.10	0.17	1.51	0.07	10.33	101.05	GA	pyrope-alm.
85-SBB-0380	69 06	103 33	13	7666016	557726	4	75	0.14	0.73	2.58	4.68	53.42	0.38	21.75	0.82	16.20	100.72	CP	Cr-diopside
85-SBB-0380	69 06	103 33	13	7666016	557726	4	76	0.20	0.58	1.67	4.46	53.83	0.16	24.22	0.72	15.67	101.52	CP	Cr-diopside
85-SBB-0386	69 17	102 47	13	7686994	587644	4	80	0.16	0.82	1.68	3.48	53.88	0.13	24.07	1.04	15.91	101.16	CP	Cr-diopside
85-SBB-0386	69 17	102 47	13	7686994	587644	4	82	0.13	0.48	1.18	3.17	54.94	0.09	23.81	0.53	16.60	100.93	CP	Cr-diopside
85-SBB-0387	69 26	103 11	13	7703194	571360	4	86	0.19	0.61	1.62	5.03	53.50	0.14	23.17	0.89	15.50	100.65	CP	Cr-diopside
85-SBB-0387	69 26	103 11	13	7703194	571360	4	88	0.28	0.62	1.42	5.24	53.76	0.13	22.58	0.68	14.88	99.59	CP	Cr-diopside
85-SBB-0389	69 28	103 11	13	7707653	571227	4	91	0.16	0.48	1.55	3.05	54.61	0.12	23.22	0.97	16.34	100.50	CP	Cr-diopside
85-SBB-0391	69 28	103 31	13	7707294	557923	4	93	0.25	0.43	1.82	6.03	53.65	0.13	21.79	0.50	15.53	100.13	CP	Cr-diopside
85-SBB-0391	69 28	103 31	13	7707294	557923	4	95	0.14	0.53	1.92	3.29	53.79	0.24	23.12	1.19	16.73	100.96	CP	Cr-diopside
85-SBB-0398	69 58	103 38	13	7762940	552368	4	96	0.08	0.75	5.31	2.44	53.91	0.14	12.85	1.06	22.61	99.14	CP	Cr-diopside
85-SBB-0398	69 58	103 38	13	7762940	552368	4	97	0.17	0.81	4.28	5.03	54.65	0.19	12.52	0.82	20.76	99.23	CP	Cr-diopside
85-SBB-0402	69 58	102 19	13	7764603	602422	4	99	0.29	0.64	1.65	6.56	53.91	0.14	21.57	0.64	15.76	101.16	CP	Cr-diopside
87-SBB-0159	71 42	107 30	13	7957117	412405	5	21	0.24	0.58	1.72	4.94	53.76	0.15	23.56	0.57	15.60	101.11	CP	Cr-diopside
88-SBB-0007	68.58	109.54	11	7741641	547445	5	23	0.10	0.85	0.85	3.68	54.15	0.48	22.44	1.41	16.46	100.43	CP	Cr-diopside
88-SBB-0097	71 33	108 08	12	7940979	601346	5	33	0.15	0.66	1.80	4.18	53.41	0.16	23.92	0.72	15.67	100.66	CP	Cr-diopside
88-SBB-0097	71 33	108 08	12	7940979	601346	5	34	0.20	0.53	1.24	3.89	53.60	0.16	24.82	0.64	15.36	100.44	CP	Cr-diopside
88-SBB-0114	71 18	108 33	12	7912461	587653	5	35	0.19	0.43	1.35	5.34	53.60	0.15	23.89	0.56	15.27	100.76	CP	Cr-diopside
88-SBB-0117	71 17	108 07	12	7910911	603134	5	41	0.52	0.03	7.27	38.49	0.00	0.31	0.06	46.57	5.08	98.33	SP	chromite
88-SBB-0118	71 17	108 07	12	7910911	603134	5	42	0.24	0.93	2.42	5.90	52.63	0.17	22.36	0.55	14.24	99.44	CP	Cr-diopside
88-SBB-0118	71 17	108 07	12	7910911	603134	5	43	0.36	0.56	1.87	4.33	53.70	0.08	23.05	0.60	16.58	101.13	CP	Cr-diopside
82-HCA-050712	72 55	110 02	12	8091280	531697	2	2	0.17	0.07	2.41	5.78	52.19	0.38	21.18	0.71	17.89	100.78	CP	Cr-diopside
82-HCA-050712	72 55	110 02	12	8091280	531697	2	5	0.18	0.08	1.91	5.81	52.44	0.36	20.17	0.72	19.33	101.01	CP	Cr-diopside
82-HCA-050712	72 55	110 02	12	8091280	531697	2	6	0.20	0.22	3.79	6.08	52.00	0.49	20.79	0.82	17.04	101.42	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B3: Victoria Island - Summary of Kimberlite Indicator Minerals

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
82-HCA-220714	70 41	111 20	12	7841937	487695	2	9	0.18	0.15	3.25	5.93	51.63	0.49	22.20	1.20	16.76	101.77	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	10	0.17	0.17	3.13	5.90	52.15	0.47	21.96	1.04	16.31	101.30	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	11	0.14	0.14	2.49	5.65	52.05	0.36	21.78	0.99	17.55	101.15	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	13	0.19	0.16	2.11	5.51	52.72	0.32	21.13	0.79	18.28	101.21	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	14	0.21	0.22	3.60	5.66	51.72	0.48	21.46	1.32	16.35	101.02	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	15	0.19	0.19	2.84	5.80	51.93	0.44	21.06	0.98	16.25	99.67	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	16	0.19	0.13	1.75	6.41	52.95	0.40	20.72	0.57	17.63	100.75	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	17	0.18	0.11	2.44	5.96	51.91	0.39	22.02	0.77	17.63	101.41	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	19	0.20	0.20	3.51	6.68	51.28	0.48	19.27	1.12	17.38	100.12	CP	Cr-diopside
82-HCA-220714	72 32	110 39	12	8048289	511726	2	20	0.17	0.19	2.43	5.73	52.46	0.41	21.79	0.70	17.02	100.90	CP	Cr-diopside
82-HCA-220721	72 12	109 56	12	8011397	536396	2	22	0.21	0.54	1.55	5.34	53.02	0.14	22.97	0.59	15.19	99.53	CP	Cr-diopside
82-HCA-280701	71 43	113 32	12	7959027	411317	7	73	0.15	0.13	3.50	4.89	51.46	0.37	21.77	0.81	16.68	99.77	OT	Cr-diopside
82-HCA-280718	71 08	112 17	12	7892584	453685	2	27	0.26	0.00	0.59	29.42	0.00	51.48	0.06	2.27	13.50	97.58	SP	picroilmenite
82-HCA-310708	70 49	110 14	12	7856906	528118	2	35	0.34	0.00	22.11	7.68	42.18	0.48	4.77	3.11	20.14	100.80	CP	Cr-pyrope
82-HCA-310714	71 03	110 37	12	7882847	513893	2	40	0.31	0.00	20.67	6.83	42.79	0.30	5.22	4.26	20.43	100.82	GA	Cr-pyrope
82-HCA-310716	71 02	111 47	12	7881124	471585	2	45	0.35	0.00	20.26	7.66	42.16	0.20	5.75	4.73	20.30	101.39	SP	Cr-pyrope
86-HCA-020805	73 30	105 16	13	8156800	491600	2	49	0.26	0.00	0.54	38.60	0.00	44.40	0.06	3.23	9.96	97.06	IL	picroilmenite

Duplicates

82-VH-0179	70 44	114 38	11	7849179	587143	1	72	0.13	0.71	1.26	4.81	53.39	0.63	22.29	0.79	16.43	100.43	CP	Cr-diopside, duplicate split of 82-VH-0008
82-VH-0184	71 53	117 58	11	7976017	466449	1	78	0.17	0.17	3.99	5.37	51.15	0.40	21.09	0.90	16.87	100.10	CP	Cr-diopside, duplicate split of 82-VH-0066
82-VH-0184	71 53	117 58	11	7976017	466449	1	79	0.17	0.18	3.25	5.84	51.75	0.45	20.49	0.99	17.74	100.87	CP	Cr-diopside, duplicate split of 82-VH-0066
82-VH-0184	71 53	117 58	11	7976017	466449	1	80	0.16	0.13	3.45	5.05	51.92	0.41	21.63	1.23	16.84	100.82	CP	Cr-diopside, duplicate split of 82-VH-0066
82-VH-0184	71 53	117 58	11	7976017	466449	1	81	0.14	0.15	3.66	5.41	50.57	0.46	20.63	1.11	16.67	98.81	CP	Cr-diopside, duplicate split of 82-VH-0066
82-VH-0184	71 53	117 58	11	7976017	466449	1	83	0.13	0.10	3.01	5.72	52.11	0.42	20.18	0.54	17.09	99.30	CP	Cr-diopside, duplicate split of 82-VH-0066

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.

Table B3: Victoria Island - Summary of Kimberlite Indicator Minerals

Sample number	Lat	Long	UTM			Mount No.	Grain No.	MnO	Na ₂ O	Al ₂ O ₃	FeO	SiO ₂	TiO ₂	CaO	Cr ₂ O ₃	MgO	Total	Visual *	Mineral
			Zone	North	East														
82-VH-0184	71 53	117 58	11	7976017	466449	1	84	0.19	0.18	3.57	5.46	51.66	0.43	20.00	1.14	16.93	99.57	CP	Cr-diopside , duplicate split of 82-VH-0066
82-VH-0184	71 53	117 58	11	7976017	466449	1	85	0.24	0.15	3.80	5.94	51.33	0.45	19.06	1.01	17.12	99.10	CP	Cr-diopside , duplicate split of 82-VH-0066
82-VH-0184	71 53	117 58	11	7976017	466449	1	86	0.18	0.12	2.55	4.87	52.16	0.35	20.69	0.90	17.39	99.20	CP	Cr-diopside , duplicate split of 82-VH-0066
82-VH-0185	72 06	116 48	11	7999931	506861	1	88	0.15	0.18	1.92	6.00	52.28	0.33	20.04	0.66	17.40	98.98	CP	Cr-diopside , duplicate split of 82-VH-0078
82-VH-0185	72 06	116 48	11	7999931	506861	1	89	0.18	0.19	2.18	5.64	52.82	0.36	19.97	0.78	18.47	100.60	CP	Cr-diopside , duplicate split of 82-VH-0078
82-VH-0185	72 06	116 48	11	7999931	506861	1	90	0.15	0.18	3.41	5.63	52.23	0.44	20.26	1.08	17.60	100.97	CP	Cr-diopside , duplicate split of 82-VH-0078
84-SBBK-0002	69 33	112 23	12	7716122	446191	4	51	0.84	0.27	1.98	5.61	52.81	0.18	25.30	0.78	13.48	101.26	CP	Cr-diopside , duplicate split of 84-SBB-0134
85-SBBK-0001	70 50	104 09	13	7784881	532182	5	8	0.16	0.39	2.69	4.07	53.01	0.13	24.21	0.53	15.94	101.12	CP	Cr-diopside , duplicate split of 85-SBB-0337
85-SBBK-0001	70 50	104 09	13	7784881	532182	5	11	0.12	1.26	8.14	3.97	50.62	0.16	14.11	1.54	19.30	99.22	CP	Cr-diopside , duplicate split of 85-SBB-0337
85-SBBK-0001	70 50	104 09	13	7784881	532182	5	12	0.21	0.60	1.59	4.34	53.16	0.22	24.17	1.23	15.70	101.22	CP	Cr-diopside , duplicate split of 85-SBB-0337
85-SBBK-0002	70 07	105 58	13	7779373	463187	5	13	0.16	1.30	5.16	5.53	51.26	0.47	19.08	0.66	16.69	100.31	CP	Cr-diopside , duplicate split of 85-SBB-0368
88-SBBK-0004	71 49	107 12	12	7631942	517354	5	49	0.13	0.61	3.55	5.19	52.41	0.29	19.80	0.62	16.99	99.60	CP	Cr-diopside , duplicate split of 88-SBB-0082

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel OT - Other
Analyses by Anglo American Research Laboratories (AARL),
Mineral identification by I. Kjarsgaard.