



GEOLOGICAL SURVEY OF CANADA

OPEN FILE 3643

Kimberlitic indicator minerals in the Geological Survey of Canada's archived till samples: results of analysis of samples from the Baker Lake area and Northern Baffin Island, Northwest Territories

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

1998



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till samples: results of analysis of samples
from the Baker Lake area and Northern
Baffin Island, Northwest Territories**

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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, from the Hay River area and Victoria Island, were presented earlier (DiLabio and Knight, 1997).

This open file contains data on the last two collections, from the Baker Lake area and from northern Baffin Island.

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 500 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. Magnetic heavy minerals were not separated from the concentrates because the concentrates were too small to warrant this treatment. These preparatory steps were performed by 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.

Microprobe analysis of the suspected kimberlitic grains was carried out by the Anglo American Research Laboratories in South Africa. The analyses were performed on an ARL Scanning Electron Microprobe Quantometer (SEMQ). 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 carried out 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-pyrope was identified by its pink to purple colour, its 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

i) Baker Lake

A total of 1934 till samples from the Baker Lake area were processed. Of these, 333 contained a total of 465 kimberlitic indicator minerals. Appendix A contains data on these samples. Cr-diopside is the predominant indicator mineral, but most of the grains contain less than 1 wt.% Cr_2O_3 , which could mean that they originated in other ultramafic rocks. A total of 15 chromites were identified, five of which have compositions similar to diamond inclusion chromites.

The Baker Lake area is known to contain diamond-bearing kimberlitic and ultrapotassic rocks (MacRae et al., 1996; Peterson and LeCheminant, 1996), as part of the Christopher Island Formation of the Proterozoic Dubawnt Supergroup. Descriptions given by Peterson and LeCheminant (1996) indicate that some, but not all, of the Christopher Island Formation intrusions contain the “usual” suite of kimberlitic indicator minerals. The Akluilâk lamprophyre dyke (MacRae et al., 1996) for example, is about 40 km east of the sampled area. It contains a small number of indicator minerals and many microdiamonds (A.R. Miller, pers. comm.).

A significant amount of surficial mapping has been completed in this area. Maps published by Aylsworth et al. (1981, 1989) will assist in determining ice flow directions. As the samples used in this study were archived material from a drift prospecting study conducted R.A. Klassen, his publications on drift composition and till geochemistry (Klassen, 1995; Klassen and Knight, 1996) should be reviewed together with the indicator mineral data.

ii) Northern Baffin Island

On Borden and Brodeur peninsulas of northern Baffin Island, 375 till samples yielded 8 Cr-diopside grains from seven sites. Three of the eight grains contain greater than 1 wt.% Cr_2O_3 . No other indicator minerals were found in these samples. Appendix B contains data on these samples.

The Zulu kimberlite is on the west coast of Brodeur Peninsula, and is part of the better-known Somerset Island kimberlite field (Kjarsgaard, 1996; Zhao et al. 1997). The Zulu kimberlite contains the “usual” suite of indicator minerals, including Cr-diopside containing 0.28 to 1.53 wt.% Cr_2O_3 , which is similar to the range for the grains recovered from the till (Zhao et al., 1997).

Surficial geology mapping of Borden and Brodeur peninsulas has been completed, and the maps are in press (A.S. Dyke, pers. comm.).

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: R.A. Klassen and A.S. Dyke. 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.

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Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 1512	63 47	97 12	14	7074539	588611	2490	679	672	7.03	1	0	0	0	1	0	0	
7501 1513	63 48	97 12	14	7075635	588717	1642	200	197	3.36	0	0	0	0	0	0	0	
7501 1514	63 49	97 12	14	7078099	588846	1724	507	503	4.27	0	0	0	0	0	0	0	
7501 1515	63 50	97 12	14	7079551	588601		544	541	2.6	0	0	0	0	0	0	0	
7501 1612	63 47	97 10	14	7074157	590233	2000	539	535	4.27	0	1	1	0	2	0	0	
7501 1613	63 48	97 11	14	7075897	589741	1844	405	400	4.86	0	0	0	0	1	0	0	
7501 1614	63 49	97 10	14	7078004	590131	1779	190	186	3.96	0	0	0	0	2	0	0	
7501 1615	63 50	97 10	14	7079467	590153	1924	275	271	4.42	0	0	0	0	1	0	0	
7501 1712	63 47	97 08	14	7074567	591941	1706	326	323	3.22	0	0	0	0	0	0	0	
7501 1713	63 48	97 08	14	7076330	591702	1783	304	300	4.39	0	1	0	0	1	0	0	
7501 1714	63 49	97 08	14	7077971	591695	1795	405	400	5.46	0	0	0	0	0	0	0	
7501 1715	63 50	97 09	14	7079883	591238	1903	481	479	2.24	0	0	0	0	0	0	0	
7501 1812	63 47	97 06	14	7074098	593627	2043	378	375	3.21	0	0	0	0	3	0	0	
7501 1813	63 48	97 06	14	7076465	593352	1462	303	299	4.12	0	4	0	0	3	0	0	
7501 1814	63 49	97 06	14	7077919	593221	1848	240	236	4.16	0	0	0	0	1	0	0	
7501 1912	63 47	97 04	14	7074058	595471	1872	464	459	4.52	0	0	0	0	5	0	tr?	OL? - 1
7501 1913	63 48	97 05	14	7076366	594751	1462	542	538	4.12	0	0	0	0	2	0	0	
7501 1914	63 49	97 04	14	7077671	594827	1848	310	306	4.07	0	0	0	0	10	0	0	CD 3-4 good
7501 2012	63 47	97 02	14	7074559	596656	2022	521	515	6.35	0	0	0	0	2	0	0	
7501 2013	63 48	97 02	14	7076299	597180	1387	433	427	6.25	0	1	0	0	5	0	0	
7501 2014	63 49	97 03	14	7078387	596300	1377	415	410	4.85	0	0	0	0	0	0	0	
7501 2112	63 47	97 00	14	7074734	598444	1700	394	391	2.99	0	0	0	0	1	0	0	
7501 2113	63 48	97 00	14	7076329	598374	1524	316	311	4.67	0	0	0	0	2	0	0	CD - very pale
7501 2114	63 49	97 00	14	7078248	598260	2151	584	575	8.73	0	5	0	0	5	0	0	CD - very pale
7501 2212	63 47	96 59	14	7074532	599452	1960	475	469	5.78	0	0	0	0	1	0	0	
7501 2213	63 48	96 58	14	7076262	599761	2148	563	557	6.32	0	2	0	0	2	0	0	
7501 2214	63 49	96 59	14	7077899	598928	1736	426	423	2.82	0	0	0	0	0	0	0	
7501 2312	63 47	96 58	14	7075076	600585	2111	543	538	4.87	0	0	0	0	8	0	0	CD - 2 good
7501 2313	63 48	96 57	14	7076673	600960	1521	390	387	2.88	0	0	0	0	2	0	0	
7501 2314	63 49	96 57	14	7078466	600911	1127	305	302	3.17	0	0	0	0	5	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 2412	63 47	96 56	14	7074697	602016	1664	315	312	3.41	0	1	0	0	1	0	0	
7501 2413	63 48	96 54	14	7076670	603019	1987	422	417	4.76	0	3	0	0	8	0	tr?	CD - 3 good; OL? - 1
7501 2414	63 49	96 55	14	7078441	602818	1178	326	323	2.93	0	0	0	0	1	0	0	
7501 2512	63 47	96 52	14	7074972	604959	1873	508	504	3.63	0	0	0	0	2	0	0	
7501 2513	63 48	96 53	14	7076641	604125	1689	552	548	4.36	0	0	0	0	1	0	0	
7501 2514	63 49	96 53	14	7078300	604300	882	244	242	2.27	0	0	0	0	0	0	0	
7501 2614	63 49	96 50	14	7078386	606454	1184	303	299	3.55	0	0	0	0	0	0	0	
7501 2713	63 48	96 49	14	7076703	607873	1692	411	406	4.69	0	0	0	0	0	0	0	
7501 2714	63 49	96 49	14	7078120	607819		23	23	0.23	0	0	0	0	0	0	0	
7501 2812	63 47	96 47	14	7074965	609432	1456	340	338	2.15	0	0	0	0	1	0	0	
7501 2813	63 48	96 47	14	7076920	609215	1178	306	303	3.31	0	0	0	0	1	0	0	
7501 2814	63 49	96 47	14	7078090	609167	1738	410	406	4.32	0	1	0	0	4	0	0	
7501 2912	63 47	96 44	14	7074724	611369	1029	207	203	3.93	0	0	0	0	0	0	0	
7501 2913	63 48	96 46	14	7076349	610231	1582	485	482	3.07	0	0	0	0	2	0	0	CD - 1 good
7501 2914	63 49	96 45	14	7078153	610449	1850	519	515	3.75	0	0	0	0	3	1	0	Diamond?
7501 3000	63 37	96 43	14	7056029	612986	895	205	202	2.86	0	0	0	0	0	0	0	
7501 3001	63 38	96 43	14	7057735	613053	1406	375	368	6.93	0	0	0	0	0	0	0	
7501 3002	63 38	96 43	14	7058724	612894		33	32	0.56	0	0	0	0	0	0	0	
7501 3003	63 39	96 43	14	7060763	613069	878	272	267	5.01	0	0	0	0	0	0	0	
7501 3004	63 40	96 43	14	7062610	613160	557	143	141	2.04	0	0	0	0	0	0	0	
7501 3005	63 41	96 43	14	7064094	612965	1077	234	231	2.55	0	0	0	0	0	0	0	
7501 3006	63 42	96 43	14	7065506	612950	1208	266	263	3.38	0	1	0	0	6	0	0	
7501 3007	63 43	96 43	14	7066638	613220		13	13	0.28	0	0	0	0	0	0	0	
7501 3008	63 44	96 42	14	7069200	613200	878	207	204	2.53	0	3	0	0	3	0	0	
7501 3009	63 45	96 44	14	7070351	612167	572	164	162	2.18	0	0	0	0	0	0	0	
7501 3010	63 45	96 44	14	7071799	612088	1152	375	370	4.67	0	0	0	0	3	0	0	
7501 3011	63 46	96 42	14	7073047	613080	1923	535	528	6.86	0	0	0	0	2	0	0	
7501 3012	63 47	96 43	14	7075320	612221	1481	401	395	5.69	0	2	0	0	5	0	0	
7501 3013	63 48	96 43	14	7076816	612598	1325	349	346	3.39	0	0	0	0	2	0	0	
7501 3050	63 36	96 43	14	7054588	613472	1706	444	442	2.13	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 3051	63 36	96 42	14	7053584	614483	635	137	134	3.2	0	0	0	0	0	0	0	
7501 3052	63 34	96 43	14	7051408	613471	745	201	197	3.84	0	0	0	0	0	0	0	
7501 3054	63 54	95 45	15	7088806	365254	695	193	191	2.37	0	0	0	0	0	0	0	
7501 3058	63 55	95 45	15	7090321	365298	1429	349	346	2.9	0	0	0	0	0	0	0	
7501 3100	63 37	96 41	14	7056355	614974	967	186	181	5.12	0	0	0	0	0	0	0	
7501 3101	63 38	96 41	14	7058000	614700	910	185	182	2.71	0	1	0	0	1	0	0	
7501 3102	63 39	96 41	14	7059338	614661	544	133	131	2.17	0	0	0	0	0	0	0	
7501 3103	63 40	96 41	14	7061331	614736	655	162	160	2.13	0	0	0	0	2	0	0	
7501 3104	63 40	96 41	14	7062326	614576	395	120	118	1.51	0	0	0	0	0	0	0	
7501 3105	63 41	96 41	14	7064200	614437	1541	345	342	3.14	0	0	0	0	4	0	0	CD - 1 exc
7501 3106	63 42	96 41	14	7065799	614571	1632	317	315	2.13	0	0	0	0	0	0	0	
7501 3107	63 43	96 41	14	7067263	614300	495	129	127	2.28	0	0	0	0	0	0	0	
7501 3108	63 44	96 41	14	7069122	614339	642	160	158	2.05	0	0	0	0	2	0	0	
7501 3110	63 45	96 41	14	7071929	614118	808	181	177	4	0	0	0	0	0	0	0	
7501 3111	63 46	96 41	14	7073616	614187	1512	488	483	5.09	0	0	0	0	1	0	0	
7501 3112	63 47	96 41	14	7075490	614365	1418	389	383	5.52	0	0	0	0	3	0	0	
7501 3150	63 36	96 41	14	7054148	615323	2014	542	539	3.32	0	0	0	0	0	0	0	
7501 3152	63 34	96 41	14	7051482	614957	603	133	129	3.63	0	0	0	0	0	0	0	
7501 3154	63 54	95 43	15	7088597	366542	659	113	111	2.1	0	0	0	0	0	0	0	
7501 3200	63 37	96 39	14	7056315	616488	1133	313	309	3.53	0	0	0	0	0	0	0	
7501 3201	63 38	96 39	14	7058056	616707	1164	199	194	5.17	0	0	0	0	1	0	0	
7501 3202	63 39	96 39	14	7059323	616758		26	26	0.36	0	0	0	0	2	0	0	
7501 3203	63 40	96 39	14	7061020	616369	645	123	120	2.88	0	0	0	0	3	0	0	
7501 3204	63 40	96 39	14	7062402	616443	423	115	113	1.56	0	0	0	0	0	0	0	
7501 3205	63 41	96 39	14	7064139	616167	963	245	242	2.87	0	0	0	0	1	0	0	
7501 3206	63 42	96 39	14	7065422	616395	1995	554	551	3.36	0	1	0	0	5	0	0	
7501 3207	63 43	96 39	14	7067491	616151	615	166	163	3.49	0	0	0	0	1	0	0	
7501 3209	63 45	96 39	14	7070703	615808	625	184	182	1.75	0	0	0	0	1	0	0	
7501 3210	63 45	96 39	14	7071967	615744	1086	280	274	5.93	0	0	0	0	0	0	0	
7501 3211	63 47	96 38	14	7074452	616890	1340	337	333	3.62	0	4	0	0	0	2	0	OTH - 1 zircon?+1 diamond?

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* Specific Gravity ≥ 2.96

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			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 3212	63 47	96 39	14	7075372	615816	835	200.9	199	1.78	0	1	0	1	0	0	0	CHR - ?
7501 3213	63 48	96 39	14	7077139	615718	1734	495.8	492	3.93	0	2	1	0	0	0	0	
7501 3214	63 49	96 39	14	7078400	615300	2108	625.1	620	5.32	0	1	0	0	6	0	0	
7501 3218	63 52	96 40	14	7084751	614995	1338	435.6	435	0.75	0	1	0	0	3	0	0	
7501 3252	63 34	96 39	14	7051158	616920	1128	296.2	291	4.89	0	2	0	0	0	0	0	
7501 3254	63 54	95 41	15	7088683	368242	912	256.5	254	2.72	0	0	0	0	0	0	0	
7501 3258	63 55	95 41	15	7090045	368392	1342	466.6	464	2.49	0	1	1	0	1	0	0	ILM - ?
7501 3300	63 37	96 37	14	7056402	618329	716	189.1	188	1.14	0	0	0	0	0	0	0	
7501 3301	63 38	96 37	14	7057496	618307	1636	420.6	418	2.66	0	3	0	1	0	0	0	
7501 3302	63 39	96 37	14	7059356	618105	827	199.9	199	1.37	0	1	0	0	2	0	0	
7501 3303	63 40	96 37	14	7061197	617954	509	127.6	127	1.06	0	2	0	0	8	0	0	
7501 3304	63 40	96 37	14	7062519	617851	520	97.3	97	0.56	0	1	0	0	0	0	0	
7501 3305	63 41	96 37	14	7064350	617840	1989	384.1	382	2.04	0	1	0	0	0	0	0	
7501 3306	63 42	96 37	14	7065921	617834	1632	343	342	0.99	0	0	0	0	0	0	0	
7501 3307	63 43	96 37	14	7067593	617433	776	198.7	197	1.59	0	0	0	0	1	0	0	
7501 3308	63 44	96 37	14	7068755	617359	248	105.8	104	1.38	0	0	0	0	0	0	0	
7501 3309	63 45	96 37	14	7070795	617585	596	151.4	149	2.33	0	0	0	0	3	0	0	
7501 3310	63 45	96 36	14	7072027	618120	1269	260.7	259	1.92	0	2	0	0	1	0	0	CD - very good
7501 3311	63 46	96 36	14	7073850	618287	1431	332	330	2.17	0	2	0	4	2	0	0	
7501 3312	63 47	96 36	14	7075541	617923	1374	399.1	398	1.25	0	1	0	0	1	0	0	
7501 3352	63 34	96 37	14	7051386	618466	572	164.4	162	2.27	0	0	0	0	0	0	0	
7501 3354	63 54	95 39	15	7088634	369742	583	153.2	152	1.11	0	0	0	0	0	0	0	
7501 3358	63 55	95 39	15	7090123	369785	1608	536.8	534	3.15	0	0	0	0	0	0	0	
7501 3400	63 37	96 35	14	7056199	619947	633	145.6	143	2.26	0	0	0	0	2	0	0	
7501 3401	63 38	96 35	14	7057681	619955	2000	388	384	4.42	0	4	0	0	14	0	0	
7501 3402	63 39	96 34	14	7059721	620487	683	123.7	122	1.42	0	0	1	0	4	0	0	
7501 3403	63 40	96 35	14	7061407	619843	609	101.7	100	1.21	0	0	0	0	0	0	0	
7501 3404	63 40	96 35	14	7062639	619755	602	117.8	116	1.33	0	0	0	0	0	0	0	
7501 3405	63 41	96 35	14	7064708	619828	1331	216.6	214	2.56	0	0	0	0	8	0	0	
7501 3406	63 42	96 35	14	7065954	619168	1613	298.7	294	4.74	0	0	0	0	7	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 3407	63 43	96 36	14	7067684	618803	1120	270.3	266	4.8	0	0	0	2	8	0	0	CHR - ?
7501 3408	63 44	96 35	14	7068908	619287	538	128.8	126	2.31	0	0	0	0	5	0	0	
7501 3409	63 45	96 35	14	7070908	619387	965	412.8	411	1.85	0	0	0	0	0	0	0	
7501 3410	63 45	96 35	14	7072137	619465	1585	455.3	450	5.61	0	0	0	0	6	0	0	
7501 3411	63 47	96 34	14	7074142	619844	1627	558.3	553	5.56	0	0	0	4	7	0	0	
7501 3412	63 47	96 35	14	7075831	619378	1298	386.8	383	3.56	0	0	0	2	0	0	0	
7501 3413	63 49	96 35	14	7078201	618937	707	103.3	102	1.09	0	0	0	0	1	0	0	
7501 3414	63 49	96 35	14	7078912	618847	1964	373.8	371	3.04	0	0	0	0	0	0	0	
7501 3450	63 36	96 35	14	7054072	620129	1494	392.4	384	8.57	0	0	0	0	3	0	0	CD - 1 good
7501 3451	63 35	96 36	14	7052963	619375	424	76.5	75	1.67	0	0	0	0	0	0	0	
7501 3452	63 34	96 35	14	7051552	620102	530	91.6	90	1.13	0	0	0	0	0	0	0	
7501 3454	63 54	95 37	15	7088339	371663	726	241.7	239	2.62	0	0	0	0	0	0	0	
7501 3458	63 55	95 37	15	7089881	371899	1111	390.4	387	3.34	0	0	0	0	0	0	0	
7501 3500	63 37	96 32	14	7056488	622343	592	177.7	174	3.67	0	0	0	0	0	0	0	
7501 3501	63 38	96 33	14	7058026	621270	1568	352.5	347	5.93	0	0	0	0	8	0	0	
7501 3502	63 39	96 33	14	7059378	621485	427	96.7	95	1.55	0	0	0	0	2	0	0	
7501 3503	63 40	96 33	14	7061536	621226	836	278.1	274	3.96	0	0	0	0	1	0	0	
7501 3504	63 41	96 33	14	7062928	621173	543	187.6	186	1.4	0	0	0	0	0	0	0	
7501 3505	63 41	96 33	14	7064712	620972	1694	492.3	486	6.33	0	0	0	0	0	0	0	
7501 3506	63 42	96 33	14	7065888	620974	1351	305.3	300	5.38	0	0	0	0	10	0	0	
7501 3507	63 43	96 33	14	7067603	620838	668	32.4	32	0.45	0	0	0	0	0	0	0	
7501 3508	63 44	96 33	14	7069088	620974	574	203.8	200	3.35	0	0	0	0	5	0	0	
7501 3509	63 45	96 33	14	7070686	621031	486	147.3	146	1.57	0	0	0	0	0	0	0	
7501 3510	63 46	96 33	14	7072242	620619	1269	500.3	498	2.39	0	0	1	0	1	0	0	CD - exc
7501 3511	63 46	96 33	14	7074027	620800	991	357.4	355	2.28	0	0	0	0	0	0	0	
7501 3512	63 47	96 32	14	7075381	621408	649	108.1	108	0.48	0	0	0	0	0	0	0	
7501 3513	63 48	96 33	14	7077275	620366	1472	530.8	529	2.18	0	0	0	0	0	0	0	
7501 3514	63 49	96 33	14	7078826	620272	1178	362.1	361	1.58	0	0	0	0	1	0	0	
7501 3515	63 50	96 33	14	7080658	620299	1548	204.8	204	0.64	0	0	0	0	0	0	0	
7501 3551	63 35	96 33	14	7052950	621612	382	65.3	64	1.03	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 3552	63 34	96 33	14	7051153	621445	463	97.6	96	1.71	0	0	0	0	1	0	0	
7501 3553	63 34	96 33	14	7049962	621723	787	174.3	171	3.56	0	0	0	0	2	0	0	
7501 3554	63 54	95 34	15	7088306	373801	551	194.6	193	2.03	0	1	0	0	0	0	0	
7501 3558	63 55	95 35	15	7090119	373517	1253	379.6	378	1.23	0	0	0	0	0	0	0	
7501 3600	63 37	96 30	14	7056889	623593	678	197	194	2.82	0	0	0	0	0	0	0	
7501 3601	63 38	96 31	14	7057975	622872	1526	428.1	421	7.27	0	1	0	0	3	0	0	
7501 3602	63 39	96 31	14	7059396	622666	511	134.4	131	2.98	0	0	0	0	1	0	0	
7501 3603	63 40	96 31	14	7061156	622606	306	76.1	74	2.34	0	0	0	0	0	0	0	
7501 3604	63 40	96 31	14	7062827	622814	1257	362	355	7.02	0	0	0	0	4	0	0	
7501 3605	63 41	96 31	14	7064517	622691	770	210.6	207	4.03	0	0	0	0	0	0	0	
7501 3606	63 42	96 31	14	7065939	622536	789	175.4	171	4.8	0	0	0	0	3	0	0	
7501 3607	63 43	96 31	14	7067975	622254	807	277	272	5.13	0	0	0	0	8	0	0	
7501 3608	63 44	96 31	14	7069082	622258	401	121.5	120	1.76	0	0	0	0	0	0	0	
7501 3609	63 45	96 31	14	7070756	622656	374	91.2	91	0.29	0	0	0	0	0	0	0	
7501 3610	63 45	96 31	14	7072100	622313	1559	585.9	574	12.18	0	0	0	0	0	0	0	
7501 3611	63 46	96 30	14	7074055	622858	1404	407.5	403	4.45	0	0	0	0	5	0	0	
7501 3612	63 47	96 30	14	7075410	622856	1703	607.4	604	3.14	0	0	0	0	0	0	0	
7501 3613	63 48	96 31	14	7077153	622186	748	297	296	1.49	0	0	0	0	0	0	0	
7501 3614	63 49	96 32	14	7078998	621603	1518	576	572	4.5	0	0	0	0	0	0	0	
7501 3617	63 52	96 31	14	7083600	622400	726	-1	-9	-9								No grains in vial
7501 3650	63 36	96 31	14	7054189	622808	1562	385	380	5.15	0	0	0	0	0	0	0	
7501 3651	63 35	96 31	14	7053467	623318	453	118	115	2.72	0	0	0	0	0	0	0	
7501 3652	63 34	96 31	14	7051663	623417	550	188	184	4.05	0	0	0	0	0	0	tr?	OL? - 1
7501 3653	63 34	96 31	14	7050103	623359	529	116	114	2.5	0	1	0	0	1	0	0	
7501 3654	63 54	95 32	15	7088258	375276	604	253	249	3.59	0	0	0	0	0	0	0	
7501 3658	63 55	95 32	15	7090023	375525	1060	254	250	3.76	0	0	0	0	0	0	0	
7501 3700	63 37	96 29	14	7057423	624561	670	221	217	4.34	0	1	0	0	2	0	0	
7501 3701	63 38	96 29	14	7058130	624585	1394	320	316	3.73	0	1	0	0	2	0	0	CD - 1 good
7501 3702	63 39	96 29	14	7059364	624611	508	155	152	3.06	0	0	0	0	4	0	0	
7501 3703	63 40	96 29	14	7061255	624701	637	151	149	2.17	0	0	0	0	2	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 3704	63 40	96 29	14	7062926	624566	1318	363	359	3.96	0	0	0	0	6	0	tr?	OL? - 1
7501 3705	63 41	96 29	14	7064475	624433	1342	300	296	4.25	0	1	0	0	11	0	0	CD - 2 good
7501 3706	63 42	96 29	14	7066016	624492	1020	890	884	5.82	0	0	0	0	0	0	0	
7501 3708	63 44	96 29	14	7069205	623971	611	227	224	2.71	0	0	0	0	3	0	0	
7501 3709	63 45	96 29	14	7070683	624107	568	219	216	2.57	0	0	0	0	8	0	0	
7501 3710	63 46	96 29	14	7072337	624112	1653	318	316	2.44	0	1	0	0	2	0	0	
7501 3712	63 47	96 29	14	7075000	624100	999	423	422	1.23	0	0	0	0	1	0	0	
7501 3713	63 48	96 29	14	7077311	623733	1624	562	557	4.67	0	0	0	0	0	0	0	
7501 3714	63 49	96 29	14	7078981	623586	1561	701	697	3.73	0	0	0	0	2	0	0	
7501 3715	63 50	96 29	14	7080727	623437	2235	439	437	1.72	0	0	0	0	0	0	0	
7501 3716	63 49	96 30	14	7079700	623280	957	351.3	350	1.55	0	2	0	1	1	0	0	
7501 3716A	63 51	96 29	14	7082058	623499	1421	615.6	615	0.53	0	0	0	0	0	0	0	
7501 3717	63 52	96 29	14	7083578	623838	829	459.2	459	0.17	0	0	0	0	0	0	0	
7501 3751	63 35	96 29	14	7053243	625140	397	101.6	100	2.01	0	0	0	0	2	0	0	
7501 3752	63 34	96 29	14	7051504	625060	551	222.8	220	3.03	0	0	0	0	0	0	0	
7501 3753	63 33	96 29	14	7049866	624889	620	166.7	163	3.21	0	2	0	0	1	0	0	CD - good
7501 3754	63 54	95 31	15	7088623	376430	711	224	222	1.53	0	0	0	0	0	0	0	
7501 3758	63 55	95 30	15	7090108	377020	1526	440.6	439	1.85	0	0	0	0	0	0	0	
7501 3800	63 37	96 27	14	7056615	626153	584	85	84	1.45	0	0	0	0	0	0	0	
7501 3801	63 38	96 27	14	7057747	626118	1501	352.4	349	2.98	0	0	0	0	2	sulph	0	
7501 3802	63 38	96 27	14	7059374	626060	486	131.1	130	1.58	0	0	0	0	0	0	0	
7501 3803	63 39	96 27	14	7060893	625979	480	78.4	78	0.74	0	0	0	0	1	0	0	
7501 3804	63 40	96 27	14	7062811	626157	771	254.3	251	2.88	0	0	0	0	8	0	0	
7501 3805	63 41	96 27	14	7064723	626030	1746	499.8	495	5.1	0	0	0	0	0	0	0	
7501 3806	63 42	96 27	14	7066105	626104	1472	400.8	398	2.43	0	0	0	0	0	0	0	
7501 3807	63 43	96 28	14	7067839	625332	754	62.8	63	0.29	0	0	0	1	0	0	0	
7501 3808	63 44	96 27	14	7069024	625728	608	176.4	174	1.99	0	1	0	0	3	0	0	
7501 3809	63 45	96 27	14	7070546	625825	519	179.4	179	0.36	0	0	0	0	1	0	0	CD - good, pale, angular
7501 3810	63 45	96 27	14	7072340	625827	1524	161.3	157	4.07	0	0	0	0	5	0	0	CD - pale
7501 3811	63 46	96 27	14	7073924	625872	1196	395.2	394	1.39	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 3812	63 47	96 27	14	7075755	625455	1551	531	529	1.74	0	0	0	0	0	0	0	
7501 3813	63 48	96 27	14	7077226	625552	1350	522.6	520	2.57	0	0	0	0	1	0	0	
7501 3814	63 49	96 27	14	7078819	625368	1648	595.9	594	1.92	0	0	0	0	0	0	0	
7501 3815	63 50	96 27	14	7080724	625229	1575	625.5	624	1.2	0	0	0	0	0	0	0	
7501 3816	63 51	96 27	14	7082134	625086	1698	608.4	608	0.89	0	0	0	0	3	0	0	
7501 3817	63 51	96 27	14	7083514	625072	575	10.5	11	-0.01								vial labelled "no sample"
7501 3850	63 36	96 27	14	7054843	626290	1165	237.4	233	4.56	0	3	0	0	1	0	0	
7501 3851	63 35	96 27	14	7053148	626476	623	153	151	1.51	0	0	0	0	1	0	0	
7501 3852	63 34	96 27	14	7051890	626552	975	267.9	265	3.04	0	2	0	0	2	0	0	
7501 3853	63 33	96 27	14	7050081	626435	465	124.3	122	2.16	0	0	0	0	0	0	0	
7501 3858	63 55	95 28	15	7089944	378629	706	401.7	400	1.88	0	3	0	0	0	0	0	
7501 3900	63 37	96 26	14	7056484	627566	614	195.4	192	3.85	0	1	0	0	1	0	0	ECL? - reddish pink; CD - WR
7501 3901	63 38	96 25	14	7057858	627869	1036	378.2	371	6.96	0	0	0	0	0	0	0	
7501 3902	63 39	96 26	14	7059644	627490	490	143	140	2.65	0	0	0	0	2	0	0	CD - ?
7501 3903	63 39	96 25	14	7061129	627652	653	166.4	164	2.25	0	0	0	0	2	0	0	CD - pale, 1 WR
7501 3904	63 41	96 25	14	7063258	627520	1110	375.4	373	2.64	0	0	0	0	2	0	0	CD - pale
7501 3905	63 41	96 25	14	7064501	627635	1178	334.7	331	4.11	0	0	0	0	2	0	0	
7501 3906	63 42	96 25	14	7066124	627705	599	144.8	143	1.39	0	0	0	0	0	0	0	
7501 3907	63 43	96 26	14	7067733	627050	629	200.7	198	2.21	0	0	0	0	2	0	0	CD - pale, WR
7501 3908	63 44	96 25	14	7069063	627710	640	168.2	166	2.21	0	0	0	0	3	0	0	CD - pale
7501 3909	63 45	96 26	14	7070676	626953	478	348.3	348	0.76	0	0	0	0	0	0	0	
7501 3910	63 46	96 25	14	7072639	627143	1700	589.8	587	2.61	0	0	0	0	6	0	0	
7501 3911	63 46	96 25	14	7073632	627162	659	244	243	0.96	0	0	0	0	0	0	0	
7501 3912	63 47	96 26	14	7075793	626750	1523	648.5	646	2.96	0	0	0	2	2	0	0	
7501 3913	63 48	96 23	14	7077407	628573	1711	691.3	687	3.97	0	4	0	0	7	0	0	
7501 3914	63 49	96 25	14	7078812	627287	1379	516.4	514	2.51	0	1	0	0	2	0	0	
7501 3915	63 50	96 25	14	7080842	627006	1306	448.7	448	1.08	0	0	0	0	0	0	0	
7501 3916	63 51	96 25	14	7082080	626854	1002	429.3	428	1.15	0	1	0	0	2	0	0	
7501 3917	63 51	96 25	14	7083364	626790	561	17.3	17	0.03	0	0	0	0	0	0	0	
7501 3951	63 35	96 25	14	7052894	628057	398	260.1	257	2.96	0	1	0	0	1	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 3952	63 34	96 25	14	7051778	627939	474	104	104	0.4	0	0	0	0	0	0	0	CD - good
7501 3953	63 33	96 25	14	7050030	627999	461	250.1	249	0.96	0	0	0	0	0	0	0	
7501 3954	63 54	95 26	15	7088314	380248	598	280.1	279	1.32	0	0	0	0	0	0	0	
7501 3958	63 55	95 27	15	7090043	380100	1415	481	477	3.77	0	0	0	0	1	0	0	
7501 4000	63 37	96 23	14	7056760	629619	698	213.4	211	2.36	0	0	0	0	0	0	0	
7501 4001	63 38	96 23	14	7058096	629593	1035	228.8	225	3.82	0	0	0	0	0	0	0	CHR - ?
7501 4002	63 39	96 23	14	7059981	629708	582	199.8	198	2.24	0	1	0	0	4	0	0	
7501 4003	63 39	96 24	14	7061208	629048	379	90.4	89	0.98	0	0	0	0	1	0	0	
7501 4004	63 40	96 24	14	7063182	628805	1250	415.8	412	4.19	0	1	0	0	6	0	0	
7501 4005	63 41	96 23	14	7064375	629328	1277	323.8	321	2.49	0	2	0	1	4	0	0	
7501 4006	63 42	96 23	14	7066266	629087	669	81.9	81	0.63	0	0	0	0	2	0	0	CD - 1 exc
7501 4007	63 43	96 23	14	7067632	628984	466	141.1	140	1.01	0	1	0	0	3	0	0	
7501 4008	63 44	96 23	14	7068966	629237	374	117.2	117	0.44	0	0	0	0	0	0	0	
7501 4009	63 45	96 24	14	7070766	628566	358	104	103	0.86	0	0	0	0	0	0	0	
7501 4010	63 45	96 24	14	7072358	628356	1469	558.2	556	2.3	0	0	0	0	0	0	0	
7501 4011	63 46	96 23	14	7074249	629399	2462	992.4	988	4.55	0	0	0	0	2	0	0	CHR - 1 with inclusion?
7501 4015	63 50	96 23	14	7080390	628565	1057	432.8	431	1.33	0	0	0	0	0	0	0	
7501 4016	63 51	96 23	14	7082151	628517	1497	590.7	589	2.09	0	0	0	2	2	0	0	
7501 4017	63 51	96 23	14	7083525	628515	831	298.5	298	0.47	0	0	0	0	0	0	0	
7501 4052	63 34	96 23	14	7051645	629899	764	207.9	205	2.71	0	0	0	0	0	0	0	
7501 4053	63 33	96 23	14	7050173	630055	541	108.3	107	1.41	0	0	0	0	0	0	0	CD - 1 good
7501 4054	63 54	95 25	15	7088086	381293	597	206.7	205	1.48	0	0	0	0	0	0	0	
7501 4058	63 55	95 25	15	7090402	381482	1254	361.8	360	1.74	0	0	0	0	0	0	0	
7501 4100	63 37	96 21	14	7057042	630999	823	196.8	194	2.73	0	0	0	0	0	0	0	
7501 4101	63 38	96 21	14	7058700	631350	1754	504.3	500	4.09	0	0	0	0	2	0	0	
7501 4102	63 38	96 21	14	7059263	631056	389	119.3	119	0.75	0	0	0	1	1	0	0	CHR - ?
7501 4103	63 39	96 22	14	7061298	630698	644	205.8	204	1.94	0	0	0	0	0	0	0	CD - 1 good
7501 4104	63 41	96 21	14	7063416	630694	1285	345.2	343	1.77	0	0	0	0	2	0	0	
7501 4108	63 44	96 22	14	7069420	630295	358	143.7	143	0.76	0	0	0	0	2	0	0	
7501 4109	63 45	96 22	14	7071484	630140	571	205	204	1.12	0	0	0	0	2	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 4110	63 45	96 21	14	7072495	630438	1144	180.9	180	1.17	0	0	0	1	1	0	0	
7501 4111	63 46	96 21	14	7073715	631036	1228	424.1	423	1.03	0	0	0	0	1	0	0	
7501 4113	63 48	96 22	14	7077318	629859	1521	611	609	1.63	0	0	0	0	1	0	0	
7501 4114	63 49	96 21	14	7079116	630738	1276	503.6	502	1.52	0	0	0	0	0	0	0	
7501 4115	63 50	96 21	14	7080650	630441	1748	709.1	707	2.1	0	0	0	0	3	0	0	CD - 2 good
7501 4116	63 51	96 21	14	7082248	630206	907	365.5	365	0.72	0	0	0	0	0	0	0	
7501 4117	63 51	96 21	14	7083661	630254	1225	513.1	513	0.39	0	0	0	0	0	0	0	
7501 4151	63 35	96 21	14	7053406	631452	480	183.6	181	2.27	0	0	0	0	1	0	0	
7501 4152	63 34	96 21	14	7051684	631232	592	119.2	117	1.8	0	0	0	0	0	0	0	
7501 4153	63 34	96 21	14	7050503	631307	700	134	132	2.3	0	0	0	0	1	0	0	
7501 4154	63 54	95 23	15	7088064	382757	1728	556.9	553	4.03	0	0	0	0	1	0	0	
7501 4200	63 37	96 19	14	7057182	632928	1362	307.2	301	6.29	0	0	0	0	3	0	0	
7501 4201	63 38	96 19	14	7058253	632716	1106	326.4	322	4.01	0	0	0	1	2	0	0	CHR - ?
7501 4202	63 39	96 19	14	7060217	632639	560	160.4	158	1.93	0	1	0	0	5	0	0	
7501 4203	63 40	96 20	14	7062087	631966	611	237.7	237	1.14	0	0	0	0	3	0	0	
7501 4204	63 41	96 20	14	7063444	632066	1180	317.8	317	1.26	0	0	0	0	2	0	0	
7501 4205	63 41	96 20	14	7064656	632271	1405	429.6	423	6.2	0	0	0	0	15	0	0	CD - 5 good
7501 4206	63 42	96 20	14	7066522	632056	982	370	366	4.25	0	0	0	0	1	0	0	
7501 4207	63 43	96 19	14	7067955	632447	714	254	252	2.18	0	0	0	0	1	0	0	
7501 4208	63 44	96 19	14	7069807	632524	402	185	183	2.25	0	0	0	0	2	0	0	
7501 4209	63 45	96 19	14	7071539	632287	602	206	203	2.57	0	1	0	0	3	0	0	CD - 2 good, pale
7501 4210	63 46	96 19	14	7072742	632326	943	366	363	2.97	0	0	0	0	0	0	0	
7501 4211	63 46	96 19	14	7074011	632149	1010	493	489	3.63	0	0	0	0	0	0	0	
7501 4214	63 49	96 19	14	7079130	631716	1246	636	633	2.82	0	0	0	0	2	0	0	
7501 4215	63 50	96 20	14	7080598	631344	713	199	198	1.01	0	0	0	0	0	0	0	
7501 4216	63 51	96 20	14	7082510	631509	1051	504	501	3.34	0	0	0	0	2	0	0	
7501 4217	63 52	96 19	14	7083834	631877	1312	701	698	3.46	0	0	0	0	6	0	0	CD - 3 good, pale
7501 4251	63 35	96 20	14	7053252	632663	441	88	84	3.66	0	0	0	0	0	0	0	
7501 4252	63 34	96 19	14	7051831	632831	405	170	166	4.26	0	0	0	0	0	0	0	
7501 4253	63 33	96 19	14	7050378	633038	549	133	129	4.49	0	0	0	0	1	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 4254	63 54	95 21	15	7087991	384804	537	187	184	2.81	0	0	0	0	0	0	0	
7501 4258	63 55	95 21	15	7090054	385082	1109	332	327	4.95	0	0	0	0	0	0	0	
7501 4300	63 37	96 17	14	7056850	634434	678	225.6	222	3.57	0	0	0	0	3	0	0	
7501 4301	63 38	96 17	14	7058254	634343	1121	435	429	6.09	0	0	0	0	6	0	0	
7501 4302	63 39	96 18	14	7060313	633641	618	224.2	222	2.22	0	0	0	0	4	0	0	
7501 4303	63 40	96 17	14	7061646	634097	548	174.5	173	1.77	0	0	0	1	5	0	0	
7501 4304	63 40	96 17	14	7063292	634026	1275	540.4	536	4.22	0	1?	0	1	8	0	0	
7501 4305	63 41	96 17	14	7064585	634102	1383	607.5	603	4.09	0	0	0	0	9	0	0	CD - 2 exc, 7 good
7501 4306	63 42	96 18	14	7066109	633665	1296	583.4	578	5.17	0	0	0	0	6	0	0	CD - 2 good
7501 4307	63 43	96 18	14	7067775	633620	456	169.4	168	1.66	0	0	0	0	2	0	0	
7501 4308	63 44	96 17	14	7069382	634147	185	90.4	89	1.56	0	0	0	0	0	0	0	
7501 4309	63 45	96 17	14	7071179	633704	342	164.7	163	1.54	0	0	0	1	7	0	0	CHR - ?
7501 4310	63 46	96 17	14	7072785	633812	680	333	332	1.29	0	0	0	0	0	0	0	
7501 4311	63 46	96 17	14	7074202	634076	1248	542.7	542	0.92	0	0	0	0	2	0	0	
7501 4313	63 48	96 17	14	7077611	633386	1066	499.1	498	0.95	0	0	0	2	4	0	0	CHR - 1?
7501 4314	63 49	96 18	14	7079013	633206	1218	572.8	571	1.55	0	0	0	0	2	0	0	
7501 4315	63 50	96 18	14	7080721	633070	1393	513.7	513	0.84	0	0	0	0	0	0	0	
7501 4316	63 51	96 17	14	7082494	633289	1921	766.8	765	1.35	0	0	0	0	2	0	0	
7501 4317	63 51	96 17	14	7083858	633414	1197	646.5	644	2.05	0	0	0	0	4	0	0	
7501 4350	63 36	96 17	14	7055174	634620	1742	618	610	8.44	0	0	0	0	3	0	0	
7501 4351	63 35	96 17	14	7053753	635131	513	148.4	146	2.21	0	0	0	0	0	0	0	
7501 4352	63 34	96 18	14	7051792	634382	518	253.5	251	2.33	0	0	0	0	0	0	0	
7501 4353	63 33	96 17	14	7050418	634727	491	149	146	2.64	0	0	0	0	0	0	0	
7501 4354	63 54	95 18	15	7088144	386813	1140	323.1	321	2.32	0	0	0	0	0	0	0	
7501 4400	63 37	96 15	14	7056991	636096	625	278.1	276	2.55	0	0	0	0	0	0	0	
7501 4401	63 38	96 15	14	7058625	636051	1165	485.9	482	3.98	0	0	0	0	7	0	0	CD - 2 good
7501 4402	63 39	96 16	14	7060095	635767	434	202.3	201	1.8	0	1	0	0	8	0	0	CD - 4 good
7501 4403	63 40	96 16	14	7062482	635529	489	175.8	174	1.43	0	0	0	0	0	0	0	
7501 4404	63 40	96 16	14	7063377	635435	1342	530.1	525	4.88	0	0	0	0	1	0	0	CD - large grain
7501 4405	63 41	96 16	14	7064551	635272	1513	602.4	599	3.49	0	1	0	0	7	0	0	CD - 2 exc, 2 good

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 4406	63 42	96 16	14	7066397	635363	477	134	131	3.18	0	0	0	0	0	0	0	
7501 4407	63 43	96 16	14	7067720	635349	344	178.2	175	3.7	0	0	0	0	0	0	0	
7501 4408	63 44	96 16	14	7069411	635303	698	304.9	303	2.05	0	0	0	0	0	0	0	
7501 4409	63 45	96 15	14	7071492	635363	239	97.5	97	0.67	0	0	0	0	0	0	0	
7501 4410	63 45	96 15	14	7072758	635376	1483	666.5	663	3.33	0	0	0	0	5	0	0	
7501 4411	63 46	96 16	14	7074244	634889	1125	513.3	512	1.27	0	0	0	0	2	0	0	
7501 4413	63 48	96 15	14	7077688	635062	1452	625.3	624	1.55	0	0	0	0	0	0	0	
7501 4414	63 49	96 16	14	7079072	634882	1334	633.9	632	2.27	0	1	0	2	1	0	0	CHR - ?
7501 4415	63 50	96 15	14	7081091	635020	1244	588.6	588	0.84	0	0	0	0	1	0	0	
7501 4416	63 51	96 16	14	7082700	634708	1391	662.4	661	0.99	0	0	0	0	0	0	0	
7501 4417	63 51	96 16	14	7083636	634753	1032	505.7	503	2.27	0	0	0	0	0	0	0	
7501 4450	63 36	96 15	14	7055118	636298	507	182.1	180	2.19	0	0	0	0	1	0	0	
7501 4451	63 35	96 15	14	7053458	636611	371	129.2	129	0.4	0	0	0	0	1	0	0	
7501 4452	63 34	96 16	14	7051709	635998	746	131.9	132	0.19	0	0	0	0	0	0	0	
7501 4453	63 34	96 15	14	7050646	636273	328	114.3	113	1.48	0	0	0	0	0	0	0	
7501 4454	63 54	95 17	15	7088171	388088	1022	369.7	369	0.39	0	0	0	0	0	0	0	
7501 4500	63 37	96 13	14	7056699	638072	616	236.3	236	0.37	0	0	0	0	0	0	0	
7501 4502	63 39	96 14	14	7060485	637170	488	259.8	257	2.81	0	0	0	0	3	0	0	
7501 4503	63 40	96 14	14	7062169	637073	243	140.6	139	1.61	0	0	0	0	2	0	0	
7501 4504	63 40	96 14	14	7063467	637073	1216	392.1	388	3.64	0	0	0	0	3	0	0	
7501 4505	63 41	96 14	14	7064571	636937	1089	673.6	671	2.59	0	1	0	0	4	0	0	
7501 4506	63 42	96 14	14	7066068	637059	1228	475.3	472	2.91	0	0	0	0	0	0	0	
7501 4507	63 43	96 13	14	7067757	637191	339	167.8	167	1.08	0	1	0	0	1	0	0	
7501 4508	63 44	96 14	14	7069550	636863	386	180	178	1.52	0	0	0	0	1	0	0	
7501 4509	63 45	96 14	14	7071177	636767	477	201.3	201	0.8	0	0	0	0	1	0	0	CD - good
7501 4510	63 45	96 14	14	7072792	636722	1528	650.8	650	1.08	0	0	0	0	0	0	0	
7501 4511	63 46	96 13	14	7074365	636818	1000	498.5	497	1.31	0	0	0	0	3	0	0	
7501 4512	63 47	96 14	14	7075578	636400	1124	465.2	464	1.41	0	0	0	0	0	0	0	
7501 4513	63 48	96 13	14	7077579	636920	1102	447.4	446	1.06	0	0	0	0	0	0	0	
7501 4514	63 49	96 14	14	7079290	636250	1220	618.3	617	1.43	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 4515	63 50	96 14	14	7081123	636341	1180	435.8	434	1.98	0	0	0	0	1	0	0	ECL - slightly reddish orange
7501 4516	63 51	96 14	14	7082912	635759	704	257.1	256	0.9	0	0	0	0	1	0	0	
7501 4517	63 52	96 14	14	7083997	635953	734	402	401	1.09	0	0	0	0	1	0	0	
7501 4550	63 36	96 13	14	7055149	637861	1036	354.1	349	5.4	0	0	0	0	2	0	0	
7501 4551	63 35	96 13	14	7053573	637943	454	194.4	192	2.75	0	0	0	0	1	0	0	
7501 4552	63 34	96 14	14	7051915	637722	504	183.9	182	2.3	0	0	0	0	0	0	0	
7501 4553	63 34	96 13	14	7050603	637964	450	190.1	189	1.3	0	0	0	0	0	0	0	
7501 4554	63 54	95 15	15	7088186	389694	453	212.1	211	1.06	0	0	0	0	0	0	0	
7501 4558	63 56	95 15	15	7090430	389561	1000	417.3	415	1.86	0	0	0	0	0	0	0	
7501 4602	63 39	96 12	14	7060981	638762	573	215.1	210	4.79	0	1	0	0	1	0	0	CD - good
7501 4603	63 40	96 12	14	7062035	638626	581	263.6	262	1.81	0	0	0	0	5	0	0	
7501 4604	63 41	96 12	14	7063929	638258	389	217.6	217	0.69	0	0	0	0	5	0	0	
7501 4605	63 41	96 12	14	7064983	638771	339	173	172	1.18	0	0	0	0	1	0	0	
7501 4606	63 42	96 11	14	7066256	639127	451	240.9	240	1.39	0	0	0	0	0	0	0	
7501 4607	63 43	96 12	14	7068079	638354	622	272	270	1.86	0	0	0	0	0	0	0	
7501 4608	63 44	96 12	14	7069542	638032	333	140	139	0.96	0	0	0	0	0	0	0	
7501 4609	63 45	96 12	14	7071196	638038	566	311.8	311	0.93	0	0	0	0	0	0	0	
7501 4610	63 46	96 12	14	7072946	638079	615	332.1	331	0.71	0	0	0	0	0	0	0	
7501 4611	63 46	96 12	14	7074398	638177	1269	734.5	733	1.88	0	0	0	0	0	0	0	CHR - ?
7501 4612	63 47	96 12	14	7075813	638314	229	136.8	136	0.5	0	0	0	0	0	0	0	
7501 4613	63 48	96 11	14	7077681	638519	382	154.3	154	0.66	0	0	0	0	1	0	0	
7501 4702	63 39	96 10	14	7060322	640478	1204	387.3	386	1.19	0	0	0	0	0	0	0	
7501 4703	63 40	96 10	14	7062175	640238	452	211	209	1.55	0	0	0	0	1	0	0	
7501 4704	63 40	96 10	14	7063186	640205	740	375.3	374	1.76	0	0	0	0	0	0	0	
7501 4705	63 41	96 10	14	7064909	640514	366	217.8	216	1.66	0	0	0	0	0	0	0	
7501 4706	63 42	96 09	14	7066295	640473	516	77.1	77	0.49	0	0	0	0	0	0	0	
7501 4707	63 43	96 10	14	7068133	639827	737	361.2	360	1.29	0	0	0	2	2	0	0	
7501 4708	63 44	96 10	14	7069540	639850	506	221.5	220	1.19	0	0	0	0	0	0	0	
7501 4709	63 45	96 10	14	7071171	640008	414	288.1	288	0.49	0	0	0	0	0	0	0	
7501 4710	63 45	96 10	14	7072900	640000	589	313.2	312	0.78	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 4711	63 46	96 10	14	7074533	639509	790	382.3	381	0.9	0	0	0	0	0	0	0	CD - 2 good
7501 4712	63 47	96 10	14	7075808	639369	618	356	355	1.13	0	0	0	0	0	0	0	
7501 4713	63 48	96 10	14	7076900	639400	597	337	336	0.64	0	0	0	0	0	0	0	
7501 4801	63 38	96 08	14	7059430	641703	626	263.7	262	1.72	0	0	4	0	6	0	0	CD - 2 good
7501 4802	63 39	96 08	14	7060297	641762	633	233.9	232	1.96	0	0	0	0	0	0	0	
7501 4803	63 39	96 08	14	7061449	641802	506	235	233	1.9	0	2	1	0	8	0	0	
7501 4804	63 40	96 08	14	7063230	642110	639	285.7	283	2.35	0	1	0	0	3	0	0	CD - 1 good
7501 4805	63 41	96 08	14	7065521	641556	472	299.5	297	2.43	0	0	0	0	5	0	0	
7501 4806	63 42	96 08	14	7066752	641710	432	300.9	299	2.27	0	0	0	0	0	0	0	
7501 4807	63 43	96 08	14	7068027	641494	933	313.9	312	1.65	0	0	0	0	0	0	0	CD - 1 good
7501 4808	63 44	96 08	14	7070112	641783	544	300.8	300	1.15	0	0	0	0	0	0	0	
7501 4809	63 45	96 08	14	7071383	641694	481	346.7	346	0.66	0	0	1	2	0	0	0	
7501 4810	63 45	96 08	14	7072966	641637	543	299.6	299	0.71	0	0	0	0	0	0	0	CHR - ?
7501 4811	63 46	96 09	14	7074554	640894	1457	646.1	643	2.94	0	2	0	0	3	0	0	
7501 4812	63 47	96 09	14	7075912	640714	327	183.3	183	0.71	0	0	0	0	0	0	0	
7501 4813	63 48	96 09	14	7077232	640561	569	330.4	329	1.06	0	0	2	0	1	0	0	ILM - likely crustal
7501 4901	63 38	96 06	14	7059325	643446	410	224.2	222	2.12	0	0	3	0	4	0	0	ILM - likely crustal
7501 4902	63 39	96 06	14	7060200	643594	700	251.3	249	2.67	0	0	1	0	10	0	0	ILM - likely crustal
7501 4903	63 39	96 06	14	7061494	643416	532	219.4	217	2.12	0	0	0	0	1	0	0	CD - 1 good
7501 4904	63 40	96 06	14	7063252	643533	737	234.1	233	1.28	0	0	0	0	2	0	0	
7501 4905	63 41	96 06	14	7064982	643219	654	288.6	287	1.33	0	0	0	0	1	0	0	
7501 4906	63 42	96 06	14	7066580	643289	475	154.4	154	0.57	0	0	0	0	2	0	0	CD - 1 good
7501 4907	63 42	96 06	14	7067468	643144	513	285.4	284	0.99	0	0	0	0	0	0	0	
7501 4908	63 44	96 06	14	7070063	642826	618	280.9	280	0.87	0	0	0	0	0	0	0	
7501 4909	63 45	96 06	14	7071326	643004	518	233.8	233	0.86	0	0	0	0	0	0	0	CD - 1 good
7501 4910	63 45	96 06	14	7073018	643009	457	257.8	257	1.09	0	0	0	0	1	0	0	
7501 4911	63 46	96 06	14	7074652	642608	1050	578.6	578	0.67	0	0	0	0	0	0	0	
7501 4912	63 47	96 06	14	7076044	642593	535	303.9	304	0.31	0	0	0	0	1	0	0	CHR - ?
7501 4913	63 48	96 06	14	7077702	642483	423	303.1	303	0.14	0	0	0	1	2	0	0	
7501 5000	63 37	96 04	14	7056700	645400	463	236	236	0.26	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 5001	63 38	96 05	14	7058840	644663	509	244.9	245	0.18	0	0	0	0	1	0	0	CD - 2 good
7501 5002	63 39	96 04	14	7060361	644989	623	181.7	179	2.41	0	2	0	0	4	0	0	
7501 5004	63 40	96 05	14	7063414	644674	279	98.4	97	1.35	0	0	0	1	5	0	0	CD - 1 good, CHR - ?
7501 5005	63 41	96 04	14	7065185	644766	386	182	180	1.85	0	0	0	0	1	0	0	
7501 5006	63 42	96 04	14	7066397	644640	352	174.8	174	1.01	0	0	0	0	2	0	0	CD - good
7501 5007	63 43	96 04	14	7067727	644969	556	331.9	331	0.56	0	0	0	0	0	0	0	
7501 5008	63 44	96 05	14	7069986	643755	699	299.5	298	1.01	0	0	1	0	1	0	0	CD - good
7501 5009	63 44	96 04	14	7071121	644826	416	190.7	190	0.89	0	0	0	0	0	0	0	
7501 5010	63 45	96 03	14	7073134	645332	765	374.9	374	1.37	0	0	1	1	2	0	0	CHR - ?
7501 5011	63 46	96 04	14	7074382	644418	960	485.9	484	2.14	0	0	0	0	0	0	0	
7501 5012	63 47	96 04	14	7076140	644510	1462	606.2	604	2	0	1	0	0	2	0	0	CD - 3 good
7501 5013	63 48	96 04	14	7077683	644403	501	288.2	287	1.29	0	0	0	0	12	0	0	
7501 5100	63 37	96 02	14	7056900	647000	269	118.7	117	1.39	0	0	0	0	5	0	0	CD - 2 good
7501 5101	63 38	96 02	14	7058894	646708	440	179.6	178	2.1	0	0	0	0	2	0	0	
7501 5102	63 39	96 02	14	7060331	646984	1419	431.8	427	5.27	0	0	0	0	5	0	0	
7501 5103	63 40	96 02	14	7062800	647200	478	184.3	183	1.61	0	0	0	0	0	0	0	
7501 5104	63 40	96 02	14	7063728	646701	404	184.2	181	2.71	0	0	0	0	0	0	0	
7501 5105	63 41	96 02	14	7064984	646816	525	135.7	135	0.85	0	0	0	0	0	0	0	
7501 5106	63 42	96 02	14	7066414	646774	637	234.4	233	1.24	0	0	0	0	0	0	0	
7501 5107	63 43	96 02	14	7068153	646575	585	253.3	252	1.13	0	0	0	0	0	0	0	
7501 5108	63 44	96 03	14	7070184	645696	612	240.3	238	2.33	0	0	0	0	4	0	tr?	OL? - 2
7501 5109	63 45	96 03	14	7071841	645841	525	260.1	259	1.2	0	0	0	0	0	0	0	
7501 5110	63 45	96 02	14	7073035	646096	495	189.5	189	0.97	0	0	0	0	0	0	0	ILM - likely crustal
7501 5111	63 46	96 02	14	7074534	645952	806	338.2	336	1.88	0	0	2	0	2	0	0	
7501 5112	63 47	96 02	14	7076079	646277	562	345.3	338	7.44	0	2	0	9	11	0	0	
7501 5113	63 48	96 02	14	7077400	646000	400	160.6	160	0.8	0	0	0	0	4	0	0	
7501 5200	63 37	96 00	15	7057148	351256	591	188.3	185	2.95	0	2	0	0	3	0	0	
7501 5201	63 38	96 00	15	7059310	351348	526	107	105	2.22	0	0	2	0	3	0	0	
7501 5204	63 40	96 00	15	7063639	351430	646	187.1	186	1.48	0	0	0	0	0	0	0	ILM - likely crustal
7501 5205	63 41	96 00	15	7065153	351601	762	294.8	293	2.02	0	1	3	0	3	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 5206	63 42	95 60	15	7066488	351916	558	237.3	235	1.92	0	0	0	0	0	0	0	CD - good
7501 5208	63 44	95 60	15	7070316	352187	494	250.8	250	1.2	0	0	1	0	5	0	0	
7501 5209	63 45	95 60	15	7071511	352137	485	318.9	317	1.59	0	0	0	0	0	0	0	
7501 5210	63 45	96 00	15	7073150	351997	494	204.7	204	0.9	0	0	0	0	1	0	0	
7501 5211	63 46	96 00	15	7074641	352001	812	428.6	428	0.9	0	0	0	0	0	0	0	
7501 5212	63 47	95 60	15	7076564	352385	553	332.9	331	2.08	0	0	0	0	2	0	0	
7501 5213	63 48	95 60	15	7077984	352526	534	205	203	1.89	0	0	0	0	0	0	0	CD - 2 good, CHR - ? CHR - ?
7501 5300	63 37	95 58	15	7056698	352965	463	121.8	120	1.55	0	0	0	0	0	0	0	
7501 5301	63 37	95 58	15	7058389	352585	750	234.4	231	3.19	0	0	0	0	0	0	0	
7501 5302	63 38	95 58	15	7060012	353208	1131	429.2	427	2.43	0	0	0	0	2	0	0	
7501 5304	63 40	95 58	15	7063342	352930	749	338.4	336	2.46	0	0	0	1	7	0	0	
7501 5305	63 41	95 58	15	7064800	353250	491	207.4	207	0.88	0	0	0	1	2	0	0	
7501 5306	63 42	95 58	15	7066651	353249	563	190.4	189	1.27	0	0	0	0	0	0	0	
7501 5307	63 43	95 58	15	7068406	353803	627	233.4	233	0.75	0	0	0	0	0	0	0	
7501 5308	63 44	95 58	15	7069727	353531	454	297.3	297	0.54	0	0	0	0	3	0	0	
7501 5309	63 45	95 58	15	7071716	353282	455	219.4	218	1.05	0	0	0	0	0	0	0	
7501 5310	63 45	95 58	15	7072767	353415	503	144.8	144	0.44	0	0	0	0	0	0	0	
7501 5311	63 46	95 57	15	7074900	354200	1244	202.6	201	1.66	0	0	0	0	0	0	0	CD - 1 good CD - 1 good CD - 3 good, ILM - likely crustal ILM - likely crustal
7501 5312	63 47	95 58	15	7075963	353729	727	350.4	349	1.67	0	0	0	0	2	0	0	
7501 5313	63 48	95 58	15	7077843	354073	695	332.9	331	1.98	0	0	1	0	2	0	0	
7501 5400	63 37	95 56	15	7056994	354458	447	154.1	152	1.89	0	0	0	0	5	0	0	
7501 5401	63 38	95 56	15	7058439	354486	467	285.4	284	1.73	0	1	2	0	6	0	0	ILM - likely crustal
7501 5402	63 38	95 56	15	7059915	354413	1167	478.4	477	1.88	0	1	4	0	7	0	0	
7501 5403	63 40	95 57	15	7062414	354166	621	306.3	304	2.03	0	0	0	0	4	0	0	CD - good ILM - likely crustal
7501 5404	63 40	95 56	15	7063311	354674	672	243.1	242	1.37	0	0	0	0	1	0	0	
7501 5405	63 41	95 56	15	7064771	354549	564	155.3	154	0.96	0	0	0	0	0	0	0	
7501 5406	63 42	95 56	15	7066497	354808	492	110	110	0.43	0	0	0	0	1	0	0	
7501 5407	63 43	95 56	15	7067969	354926	575	268.1	267	0.95	0	0	0	0	0	0	0	ILM - likely crustal
7501 5408	63 44	95 56	15	7070116	354953	413	230.5	230	0.94	0	2	1	0	0	0	0	
7501 5409	63 45	95 57	15	7071779	354712	489	241.7	241	0.92	0	0	0	0	2	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 5410	63 45	95 56	15	7072930	355361	588	298.1	297	1.38	0	0	0	0	3	0	0	CD - 2 good
7501 5411	63 46	95 56	15	7074648	355288	757	166.5	166	0.95	0	0	0	0	1	0	0	
7501 5412	63 47	95 56	15	7076658	355474	701	297.1	295	1.88	0	0	0	1	7	0	0	
7501 5413	63 48	95 56	15	7077927	355479	344	188.8	188	0.7	0	0	0	0	0	0	0	
7501 5500	63 37	95 54	15	7057125	356160	474	139.7	138	1.55	0	0	0	0	0	0	0	
7501 5501	63 38	95 54	15	7058374	356164	530	253.4	252	1.18	0	0	0	0	2	0	0	
7501 5502	63 38	95 54	15	7059534	356048	1128	466	461	5.32	0	0	0	0	0	0	0	
7501 5503	63 39	95 54	15	7061634	356328	317	176	175	1.02	0	0	0	0	1	0	0	
7501 5504	63 40	95 54	15	7063000	356400	744	357.5	356	1.17	0	0	0	2	0	0	0	
7501 5505	63 41	95 54	15	7064611	356209	336	172.7	172	0.87	0	0	0	0	0	0	0	
7501 5506	63 42	95 54	15	7066440	356448	260	192.4	191	1.09	0	0	0	0	0	0	0	
7501 5507	63 43	95 55	15	7067866	356131	859	346	344	1.99	0	1	0	0	2	0	0	
7501 5508	63 44	95 54	15	7070122	356712	850	648.8	647	1.37	0	0	0	0	2	0	0	
7501 5509	63 45	95 54	15	7071352	356600	629	255.1	254	1.32	0	0	0	0	4	0	0	
7501 5510	63 45	95 54	15	7072937	356877	364	174.1	173	1.13	0	1	0	0	4	0	0	
7501 5511	63 46	95 54	15	7074586	357018	1152	615	612	3.09	0	0	0	0	0	0	0	
7501 5512	63 47	95 54	15	7076390	356899	369	148.5	147	1.09	0	0	0	0	0	0	0	
7501 5513	63 48	95 54	15	7077641	356865	457	72.8	72	0.35	0	0	0	0	0	0	0	
7501 5600	63 37	95 52	15	7057100	357700	834	338.1	336	1.69	0	0	0	0	0	0	0	
7501 5601	63 38	95 52	15	7058744	357917	404	183.2	182	1.03	0	0	0	0	0	0	0	
7501 5602	63 38	95 52	15	7059863	357735	665	350.9	348	2.91	0	0	0	0	0	0	0	
7501 5603	63 39	95 53	15	7061155	357538	370	187.6	186	1.2	0	0	0	0	0	0	0	
7501 5604	63 40	95 52	15	7063002	357918	403	166.6	166	1.02	0	0	0	0	0	0	0	
7501 5605	63 41	95 53	15	7064770	357403	366	171.3	171	0.49	0	0	0	0	3	0	0	
7501 5606	63 42	95 52	15	7066315	357932	492	311.3	310	0.97	0	0	0	4	1	0	0	CHR - ?
7501 5607	63 43	95 52	15	7067857	358181	375	194.9	194	1.21	0	1	0	0	4	0	0	CD - 2 good
7501 5608	63 44	95 53	15	7069968	358041	585	231.4	229	2.72	0	3	0	0	4	0	0	
7501 5609	63 45	95 52	15	7071587	358511	527	322.4	321	1.41	0	1	0	2	1	0	0	
7501 5610	63 45	95 53	15	7073011	358104	624	223.9	223	0.82	0	0	0	0	4	0	0	
7501 5611	63 46	95 52	15	7074345	358890	490	184.8	184	1.21	0	0	0	0	4	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 5613	63 48	95 52	15	7077531	358668	321	16.4	16	-0.01	0	0	0	0	0	0	0	ILM - likely crustal CD - ?
7501 5700	63 37	95 50	15	7056700	359300	642	281	279	2.11	0	1	1	0	2	0	0	
7501 5701	63 38	95 50	15	7058516	359548	385	161.2	160	0.8	0	1	0	0	1	0	0	
7501 5702	63 38	95 50	15	7059831	359746	498	244.4	241	3.25	0	1	0	1	4	0	0	
7501 5703	63 39	95 51	15	7061726	358996	578	227.1	226	0.99	0	0	0	0	0	0	0	CD - 2 good CHR - ?
7501 5704	63 40	95 51	15	7063099	359299	641	306.6	305	1.2	0	3	0	0	5	0	0	
7501 5705	63 41	95 50	15	7065003	359568	419	191.1	189	1.81	0	0	0	0	0	0	0	
7501 5706	63 42	95 50	15	7066374	359553	616	355.6	354	1.23	0	2	0	0	8	0	0	
7501 5707	63 43	95 51	15	7067802	359312	630	306	305	1.44	0	0	0	1	6	0	0	
7501 5708	63 44	95 51	15	7069874	359310	528	217.7	216	1.82	0	2	0	0	2	0	0	
7501 5710	63 45	95 51	15	7072985	359530	725	309.2	308	1.41	0	3	0	0	4	0	0	
7501 5711	63 46	95 51	15	7074224	359826	1454	594.6	592	2.22	0	0	0	0	5	0	0	
7501 5712	63 47	95 51	15	7075680	359778	290	148.2	148	0.7	0	0	0	0	0	0	0	
7501 5713	63 48	95 50	15	7077463	360167	276	27	27	0.13	0	0	0	0	0	0	0	
7501 5800	63 36	95 47	15	7056050	361700	716	310.8	309	1.58	0	0	0	0	0	0	0	
7501 5801	63 38	95 48	15	7058160	361172	610	238.5	237	1.15	0	0	0	0	0	0	0	
7501 5802	63 38	95 48	15	7059770	361240	889	76.8	77	0.25	0	0	0	0	0	0	0	
7501 5803	63 39	95 49	15	7061777	360171	361	193.5	193	0.76	0	0	0	0	0	0	0	
7501 5804	63 40	95 48	15	7063147	361353	479	245.4	244	0.91	0	0	0	0	0	0	0	
7501 5805	63 41	95 48	15	7065059	361826	575	266.9	266	0.77	0	0	0	0	0	0	0	
7501 5806	63 42	95 49	15	7066473	360795	451	303.5	303	0.68	0	0	0	0	0	0	0	
7501 5807	63 43	95 49	15	7067780	361018	358	157.1	157	0.58	0	0	0	0	0	0	0	
7501 5809	63 45	95 48	15	7071301	361553	607	336.6	336	1.05	0	1	0	0	1	0	0	
7501 5810	63 45	95 49	15	7072938	361209	544	373.1	373	0.26	0	1	0	0	0	0	0	
7501 5811	63 46	95 48	15	7074472	361853	1659	594.9	593	1.41	0	0	0	0	1	0	0	
7501 5813	63 48	95 48	15	7077849	362099	390	159.2	158	1.14	0	0	0	0	0	0	0	
7501 5900	63 37	95 46	15	7056800	362800	456	265.8	264	1.5	0	0	0	0	0	0	0	
7501 5901	63 38	95 46	15	7058158	362752	303	214.7	214	0.57	0	0	0	0	0	0	0	
7501 5902	63 39	95 46	15	7060119	362782	772	274.6	273	1.29	0	0	0	0	0	0	0	
7501 5903	63 40	95 47	15	7061900	362254	426	197.7	197	0.51	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 5904	63 40	95 46	15	7063122	362881	675	265.3	264	0.98	0	1	0	0	5	0	0	
7501 5905	63 41	95 46	15	7064523	363262	405	101.6	101	0.44	0	0	0	0	0	0	0	
7501 5906	63 42	95 47	15	7066154	362332	369	250.9	250	1.1	0	0	0	0	1	0	0	
7501 5907	63 43	95 47	15	7067574	362702	396	175.6	175	0.91	0	1	0	0	3	0	0	
7501 5908	63 44	95 47	15	7069976	362959	571	251.7	-9	2.18	0	0	0	0	0	0	0	
7501 5909	63 45	95 47	15	7071049	362916	573	314.9	-9	1.02	0	0	0	0	0	0	0	
7501 5910	63 45	95 46	15	7072636	363142	506	134.1	-9	0.99	0	0	0	0	0	0	0	
7501 5911	63 46	95 46	15	7074032	363383	636	257.6	-9	1.13	0	1	0	0	3	0	0	
7501 5912	63 47	95 46	15	7075654	363318	1580	561.4	-9	2.26	0	1	0	0	1	0	0	
7501 5913	63 48	95 46	15	7078058	363410	254	61.4	61	0.32	0	0	0	0	1	0	0	
7501 6002	63 39	95 45	15	7059825	364103	424	320.8	320	0.89	0	1	1	0	2	0	0	ILM - likely crustal
7501 6003	63 39	95 44	15	7061414	364406	995	311.7	-9	1.42	0	0	0	0	0	0	0	
7501 6004	63 40	95 46	15	7062715	363330	434	202.4	-9	1.05	0	0	0	0	0	0	0	
7501 6005	63 41	95 45	15	7064725	364229	884	436.4	-9	2	0	0	2	0	4	0	0	ILM - likely crustal
7501 6006	63 42	95 45	15	7065695	364205	1311	508.4	506	2.67	0	0	0	0	8	0	0	
7501 6007	63 42	95 45	15	7065695	364205		39	39	0.33	0	0	0	0	2	0	0	
7501 6008	63 44	95 45	15	7069160	364495	362	162	161	1.33	0	0	0	0	0	0	0	
7501 6009	63 45	95 45	15	7071056	364559	446	275	273	1.9	0	0	0	0	0	0	0	
7501 6010	63 45	95 45	15	7072261	364421	297	86	85	0.85	0	0	0	0	0	0	0	
7501 6011	63 46	95 45	15	7073430	364726	1085	495	491	3.9	0	0	0	0	3	0	0	
7501 6012	63 47	95 44	15	7075793	364995	1209	580	576	3.98	0	0	0	0	0	0	0	
7501 6013	63 48	95 45	15	7077161	364929	1163	357	355	1.9	0	0	0	0	1	0	0	
7501 6014	63 49	95 45	15	7078755	364900	1300	325	322	2.9	0	1	0	0	1	0	0	
7501 6015	63 50	95 45	15	7080431	364800	1171	371	369	1.81	0	0	0	0	0	0	0	
7501 6016	63 50	95 44	15	7082035	365180	744	290	288	2.03	0	0	0	0	0	0	0	
7501 6017	63 51	95 45	15	7083485	364775	441	135	134	0.65	0	0	0	0	0	0	0	
7501 6018	63 53	95 45	15	7085842	365030	357	179	177	1.52	0	0	0	0	0	0	0	
7501 6019	63 53	95 44	15	7087499	365515	401	289	286	2.76	0	0	0	0	1	0	0	
7501 6102	63 38	95 42	15	7059563	365873	291	131	130	0.85	0	0	0	0	1	0	0	CD - good
7501 6103	63 40	95 43	15	7061620	365793	1300	668	664	4.44	0	4	0	0	4	0	0	CD - 1 good

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 6105	63 41	95 43	15	7064484	365872	1132	618	616	2.19	0	0	0	0	2	0	0	
7501 6106	63 42	95 42	15	7065465	366218	889	381	379	2.2	0	0	0	0	2	0	0	
7501 6107	63 43	95 42	15	7067196	366274		57	57	0.37	0	0	0	0	0	0	0	
7501 6109	63 45	95 42	15	7070944	366617	535	405	404	1.11	1	0	0	0	1	0	0	PYR - ?, pale greyish purple
7501 6110	63 46	95 43	15	7073109	365945	337	94	94	0.26	0	0	0	0	0	0	0	
7501 6111	63 46	95 43	15	7074590	366152	875	492	489	2.52	0	0	0	0	0	0	0	
7501 6112	63 47	95 43	15	7076009	366178	752	355	352	3.21	0	1	0	0	1	0	0	
7501 6113	63 48	95 43	15	7077326	366224	1410	604	601	3.3	0	0	0	0	0	0	0	
7501 6114	63 49	95 42	15	7078825	366675	931	492	489	2.7	0	3	0	0	0	0	0	
7501 6115	63 50	95 43	15	7080852	366556	880	360	358	1.98	0	0	0	0	0	0	0	
7501 6116	63 51	95 42	15	7082860	366907	700	315	313	2.16	0	0	0	0	0	0	0	
7501 6117	63 51	95 43	15	7083584	366602	614	261	259	2.45	0	0	0	0	0	0	0	
7501 6118	63 52	95 43	15	7085636	366713	843	347	344	2.81	0	0	0	0	0	0	0	
7501 6119	63 53	95 43	15	7087446	366951	502	210	208	1.8	0	0	0	0	0	0	0	
7501 6202	63 39	95 40	15	7059647	367979	588	315	313	1.99	0	0	0	0	0	0	0	
7501 6203	63 40	95 41	15	7061723	367544	1401	638	634	3.58	0	3	0	0	4	0	0	
7501 6204	63 40	95 41	15	7063110	367466	460	214	213	1.02	0	0	0	0	0	0	0	
7501 6205	63 41	95 41	15	7064238	367464	1382	181	179	2	0	0	0	0	0	0	0	
7501 6206	63 42	95 41	15	7065790	367765	1454	569	567	2.42	0	0	0	0	0	0	0	
7501 6207	63 43	95 41	15	7067423	367267		57	57	0.48	0	0	0	0	0	0	0	
7501 6208	63 43	95 40	15	7068416	368238	369	154	153	1.16	0	0	0	0	0	0	0	
7501 6209	63 45	95 40	15	7070817	368152	634	430	428	1.59	0	0	0	0	0	0	0	
7501 6210	63 46	95 40	15	7073163	368254	220	113	112	0.91	0	0	0	0	1	0	0	
7501 6211	63 47	95 40	15	7074666	368157	1036	569	565	4.26	0	2	0	0	6	0	0	
7501 6212	63 47	95 41	15	7075979	367795	1695	666	661	5.35	0	1	0	0	4	0	0	
7501 6213	63 48	95 41	15	7077046	368107	972	540	537	2.75	0	1	0	0	1	0	0	
7501 6214	63 49	95 40	15	7078668	368399	1159	533	529	3.87	0	0	0	0	0	0	0	
7501 6215	63 50	95 40	15	7080383	368390	1442	823	822	1.07	0	0	0	0	0	0	0	
7501 6216	63 51	95 40	15	7082633	368742	324	133	132	1.03	0	0	0	0	0	0	0	
7501 6217	63 52	95 41	15	7084063	368348	659	280	278	1.69	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 6218	63 53	95 41	15	7086156	368308	657	263	261	2.46	0	0	0	0	0	0	0	
7501 6219	63 54	95 40	15	7087814	369112	587	209	206	2.72	0	0	0	0	0	0	0	
7501 6302	63 39	95 38	15	7059728	369780	625	341	340	1.33	0	0	0	0	1	0	0	
7501 6303	63 40	95 38	15	7061641	369285	1418	143	141	1.7	0	0	0	0	0	0	0	
7501 6304	63 40	95 38	15	7062760	369333	291	141	141	0.49	0	0	0	0	0	0	0	
7501 6305	63 41	95 39	15	7064379	369332	618	209	207	2.05	0	0	0	0	0	0	0	
7501 6306	63 42	95 38	15	7066030	369803	1072	495	494	0.91	0	0	0	0	0	0	0	
7501 6307	63 43	95 39	15	7067279	369336		71	71	0.5	0	0	0	0	0	0	0	
7501 6308	63 43	95 38	15	7068839	370198	726	289	287	1.99	0	0	0	0	4	0	0	CD - 2 good
7501 6309	63 45	95 38	15	7071029	369769	351	177	176	0.97	0	0	0	0	2	0	0	
7501 6310	63 45	95 39	15	7072242	369376	396	187	186	0.9	0	0	0	0	0	0	0	
7501 6311	63 46	95 39	15	7073748	369699	1390	596	593	3.13	0	0	0	0	0	0	0	
7501 6312	63 47	95 50	15	7076000	360200	1728	594	592	2.38	0	0	0	0	0	0	0	
7501 6313	63 48	95 38	15	7077100	369900	1481	567	565	2.29	0	0	0	0	1	0	0	
7501 6314	63 49	95 39	15	7078651	369774	1484	547	543	3.56	0	0	0	0	2	0	0	
7501 6315	63 50	95 39	15	7081006	369252	1305	522	520	1.88	0	0	0	0	0	0	0	
7501 6402	63 38	95 37	15	7059178	370515	439	167	167	0.2	0	0	0	0	0	0	0	
7501 6403	63 40	95 37	15	7061589	370250	1059	487	486	0.7	0	0	0	0	3	0	0	
7501 6404	63 40	95 37	15	7063069	370815	904	420	420	0.05	0	0	0	0	0	0	0	
7501 6405	63 41	95 37	15	7064628	370632	846	121	117	4.33	0	2	0	0	2	0	0	
7501 6406	63 42	95 36	15	7065761	371126	1167	784	781	3	0	0	0	0	4	0	0	
7501 6407	63 43	95 37	15	7067486	370940		37	37	0.42	0	0	0	0	0	0	0	
7501 6408	63 44	95 37	15	7069167	370967	579	313	311	1.87	0	0	0	0	0	0	0	
7501 6409	63 45	95 37	15	7071093	370931	296	131	129	1.66	0	0	0	0	0	0	0	
7501 6410	63 46	95 37	15	7072685	370725	401	148	146	1.53	0	0	0	0	0	0	0	
7501 6411	63 46	95 37	15	7073577	370735	828	325	322	3.13	0	0	0	0	0	0	0	
7501 6412	63 47	95 37	15	7075900	371300	678	166	164	2.01	0	1	0	0	3	0	0	
7501 6413	63 48	95 37	15	7077055	371000	1037	478	474	3.74	0	0	0	0	1	0	0	
7501 6414	63 49	95 37	15	7078643	371341	1296	589	585	4.29	0	0	0	0	1	0	0	
7501 6415	63 50	95 36	15	7080366	371765	943	477	474	2.87	0	1	0	0	2	0	0	CD - 1 very good

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 6416	63 51	95 37	15	7082079	371680	517	245	242	3.27	0	0	0	0	0	0	0	CD - 1 very good
7501 6417	63 52	95 37	15	7083819	371570	547	258	256	2.41	0	0	0	0	0	0	0	
7501 6418	63 52	95 37	15	7085313	371753	597	220	218	2.43	0	0	0	0	0	0	0	
7501 6419	63 53	95 37	15	7086230	371408	1009	247	244	3.08	0	2	0	0	0	0	0	
7501 6502	63 38	95 34	15	7059160	372730	402	160	160	0.24	0	0	0	0	0	0	0	
7501 6503	63 39	95 35	15	7061307	372286	675	314	312	1.73	0	0	0	0	0	0	0	
7501 6504	63 41	95 35	15	7063237	372544	1139	522	516	6.13	0	1	0	0	2	0	0	
7501 6505	63 41	95 34	15	7064310	372844	1002	249	245	3.83	0	1	0	0	2	0	0	
7501 6506	63 42	95 35	15	7065868	372559	684	173	171	2.35	0	1	0	0	2	0	0	
7501 6507	63 43	95 35	15	7067477	372519		54	54	0.32	0	0	0	0	0	0	0	
7501 6508	63 44	95 35	15	7069131	372328	679	231	228	3.47	0	0	0	0	0	sulph	0	OL? - 1
7501 6509	63 45	95 35	15	7071055	372458	398	166	164	1.67	0	0	0	0	0	0	0	
7501 6510	63 45	95 35	15	7072360	372618	516	331	328	3.41	0	0	0	0	0	0	0	
7501 6511	63 46	95 35	15	7073737	372846	939	383	380	2.68	0	0	0	0	0	0	0	
7501 6512	63 47	95 34	15	7075600	373200	1131	345	343	2.12	0	0	0	0	0	0	0	
7501 6513	63 48	95 35	15	7077134	372851	1060	507	503	4.39	0	0	0	0	0	0	0	
7501 6514	63 49	95 35	15	7078538	373157	1120	611	604	7	0	0	0	0	0	0	0	
7501 6515	63 50	95 35	15	7080484	373237	1267	743	738	5.33	0	0	0	0	0	0	0	
7501 6516	63 51	95 35	15	7082359	373097	634	282	279	3.08	0	0	0	0	0	0	0	
7501 6517	63 52	95 35	15	7083650	372797		38	38	0.35	0	0	0	0	0	0	0	
7501 6518	63 53	95 35	15	7085472	373163	574	201	199	2.5	0	0	0	0	0	0	0	OL? - 1
7501 6519	63 53	95 35	15	7087081	373238	402	151	149	2.27	0	0	0	0	0	0	0	
7501 6602	63 39	95 33	15	7059462	373753	503	252	249	2.58	0	0	0	0	0	0	0	
7501 6604	63 40	95 32	15	7062909	374361	428	193	191	2.09	0	2	0	0	4	0	0	
7501 6605	63 41	95 32	15	7064300	374449	1037	484	471	13.42	0	3	0	0	0	0	0	
7501 6606	63 42	95 33	15	7065893	374115	1102	773	767	5.83	0	3	0	0	2	0	tr?	
7501 6607	63 43	95 33	15	7067717	374201		21	21	0.38	0	0	0	0	0	0	0	
7501 6608	63 44	95 33	15	7069155	374368	473	207	205	1.58	0	0	0	0	0	0	0	
7501 6609	63 45	95 33	15	7070649	374436	737	364	362	2.18	0	0	0	0	0	0	0	
7501 6610	63 46	95 33	15	7072688	374216	458	240	238	1.71	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 6611	63 46	95 33	15	7073830	374532	1066	552	548	4.08	0	0	0	0	0	0	0	OL? - 2
7501 6612	63 47	95 33	15	7075784	374702	2020	545	541	3.85	0	0	0	0	0	0	0	
7501 6613	63 48	95 33	15	7076988	374245	812	320	317	2.7	0	0	0	0	0	0	0	
7501 6614	63 49	95 32	15	7078505	375308	985	506	501	5.19	0	0	0	0	0	0	0	
7501 6615	63 50	95 33	15	7080432	374903	1245	605	600	5.18	0	1	0	0	2	0	tr?	
7501 6616	63 51	95 33	15	7082035	374850	505	345	339	5.68	0	0	0	0	0	0	0	
7501 6617	63 52	95 33	15	7084095	374477	838	175	172	3.18	0	0	0	0	0	0	0	
7501 6618	63 52	95 32	15	7085110	375615	203	117	115	1.6	0	0	0	0	0	0	0	
7501 6619	63 53	95 32	15	7086555	375299	615	256	254	2.47	0	0	0	0	0	0	0	
7501 6702	63 38	95 31	15	7059227	375384	342	156	154	1.59	0	0	0	0	0	0	0	CD - 1 good
7501 6703	63 40	95 31	15	7061267	375495	1277	575	570	4.66	0	0	0	0	5	0	0	
7501 6704	63 40	95 31	15	7062857	375555	412	231	229	2.13	0	0	0	0	3	0	0	
7501 6706	63 42	95 31	15	7066077	375539	941	420	413	6.83	0	0	0	0	9	0	tr?	
7501 6707	63 43	95 31	15	7067587	375786		48	48	0.48	0	0	0	0	0	0	0	
7501 6708	63 44	95 31	15	7069098	375779	487	192	190	1.79	0	0	0	0	0	0	0	
7501 6709	63 45	95 31	15	7070918	375597	279	122	121	1.13	0	0	0	0	0	0	0	
7501 6710	63 46	95 31	15	7072456	376025	561	291	289	2.46	0	0	0	0	0	0	0	
7501 6711	63 46	95 31	15	7073893	376205	939	167	165	1.83	0	2	0	0	2	0	0	
7501 6712	63 47	95 31	15	7075651	376351	1256	490	485	4.96	0	0	0	0	0	0	0	CD - 1 good
7501 6713	63 48	95 30	15	7076950	376485	1046	561	557	3.65	0	0	0	0	0	0	0	
7501 6714	63 49	95 30	15	7078475	376683	1119	455	453	1.56	0	0	0	0	1	0	0	
7501 6715	63 50	95 31	15	7080392	376239	950	567	563	4.19	0	0	0	0	0	0	0	
7501 6716	63 51	95 30	15	7081815	376685	711	316	313	2.64	0	0	0	0	0	0	0	
7501 6717	63 52	95 31	15	7084066	376298	645	279	277	2.5	0	0	0	0	0	0	0	
7501 6718	63 52	95 30	15	7085291	377218	669	410	406	4.13	0	0	0	0	0	0	0	
7501 6719	63 53	95 31	15	7086642	376514	475	198	197	1.5	0	0	0	0	0	0	0	
7501 6803	63 40	95 29	15	7061372	377322	1214	588	582	5.74	0	0	0	0	2	0	0	CD - 1 good
7501 6804	63 40	95 29	15	7062693	377177	1276	606	596	10.44	0	1	0	0	2	0	0	
7501 6805	63 41	95 29	15	7063600	377150	1013	749	746	2.84	0	0	0	0	0	0	0	
7501 6807	63 43	95 30	15	7067285	376878		43	43	0.42	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 6808	63 44	95 29	15	7069015	377074	534	291	289	1.98	0	0	0	0	0	0	0	
7501 6809	63 44	95 29	15	7070320	377336	528	296	294	1.94	0	0	0	0	0	0	0	
7501 6810	63 46	95 29	15	7072260	377874	518	187	186	1.22	0	0	0	0	0	0	0	
7501 6811	63 46	95 29	15	7073998	377688	873	442	439	2.84	0	0	0	0	0	0	0	
7501 6812	63 47	95 29	15	7075500	378000	1114	516	513	2.96	0	0	0	0	0	0	0	
7501 6813	63 48	95 28	15	7076906	378483	1148	505	502	2.78	0	0	0	0	0	0	0	
7501 6814	63 49	95 29	15	7078449	378108	990	383	380	2.92	0	0	0	0	0	0	0	
7501 6815	63 50	95 28	15	7080305	378565	651	325	323	2.19	0	0	0	0	0	0	0	
7501 6816	63 51	95 29	15	7081851	378140	517	152	151	1.2	0	0	0	0	0	0	0	
7501 6817	63 52	95 29	15	7083494	378038	719	360	358	2.16	0	1	0	0	0	0	0	
7501 6818	63 52	95 28	15	7085027	378452	736	289	277	11.63	0	0	0	0	0	0	0	
7501 6819	63 53	95 29	15	7086816	378141	720	291	289	2.26	0	0	0	0	0	0	0	
7501 6902	63 38	95 27	15	7059105	378703	445	254	252	1.94	0	0	0	0	0	0	0	
7501 6903	63 39	95 27	15	7060949	378662	1178	588	585	3.15	0	0	0	0	0	0	0	
7501 6904	63 40	95 27	15	7062666	378730	198	91	89	1.56	0	3	0	0	1	0	0	
7501 6905	63 41	95 27	15	7064220	378878	1235	604	601	3.47	0	0	0	0	0	0	0	
7501 6907	63 43	95 27	15	7069447	379340		36	35	0.64	0	0	0	0	0	0	0	
7501 6908	63 44	95 27	15	7069447	379340	495	294	293	1.2	0	0	0	0	0	0	0	
7501 6909	63 45	95 27	15	7070982	379232	692	335	333	1.7	0	0	0	0	0	0	0	
7501 6910	63 45	95 27	15	7072149	379231	402	164	163	1.01	0	0	0	0	0	0	0	
7501 6911	63 46	95 27	15	7073816	379284	1344	699	692	6.99	0	0	0	0	0	0	0	
7501 6912	63 47	95 27	15	7075591	379214	1789	455	454	0.68	0	0	0	0	0	0	0	
7501 6913	63 48	95 27	15	7077049	379370	1187	296	295	1.39	0	2	0	0	0	0	0	
7501 6914	63 49	95 27	15	7078571	379503	1385	617	612	4.98	0	0	0	0	0	0	0	
7501 6915	63 50	95 27	15	7080314	379458	1070	471	467	4.25	0	0	0	0	1	0	0	
7501 6916	63 51	95 27	15	7082258	379678	583	342	340	1.96	0	0	0	0	0	0	0	
7501 6917	63 52	95 26	15	7083752	380103	770	304	300	3.76	0	4	0	0	0	0	0	
7501 6918	63 53	95 27	15	7085230	379533	458	199	197	2.46	0	0	0	0	0	0	0	
7501 6919	63 53	95 27	15	7086407	379686	718	320	316	4.12	0	3	0	0	2	0	0	
7501 7002	63 38	95 25	15	7058974	380301	545	271	269	2.35	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 7003	63 39	95 25	15	7060864	380352	924	425	420	4.72	0	5	0	0	1	0	0	
7501 7004	63 40	95 25	15	7062335	380381	351	141	139	1.57	0	0	0	0	0	0	0	
7501 7005	63 41	95 25	15	7063736	380406	965	344	340	3.52	0	0	0	0	0	0	0	
7501 7007	63 43	95 25	15	7067482	380788		40	40	0.45	0	0	0	0	0	0	0	
7501 7008	63 44	95 25	15	7069091	380735	397	205	203	1.75	0	0	0	0	0	0	0	
7501 7009	63 45	95 25	15	7070667	380820	604	282	280	1.84	0	3	0	0	0	0	tr?	OL? - 1
7501 7010	63 45	95 25	15	7071596	380730	445	143	142	1.42	0	0	0	0	0	0	0	
7501 7011	63 46	95 25	15	7073680	380856	786	385	381	3.8	0	0	0	0	0	0	0	
7501 7013	63 48	95 25	15	7077531	381052	1047	594	589	4.89	0	0	0	0	0	0	0	
7501 7014	63 49	95 25	15	7078500	381168	1063	680	673	7.31	0	0	0	0	0	0	0	
7501 7015	63 50	95 25	15	7080359	381218	982	489	484	5.41	0	0	0	0	0	0	0	
7501 7016	63 51	95 25	15	7081882	381224	426	156	155	1.33	0	0	0	0	0	0	0	
7501 7017	63 52	95 25	15	7083717	381222	691	290	287	2.59	0	0	0	0	0	0	0	
7501 7018	63 52	95 25	15	7084759	381291	522	189	186	2.6	0	0	0	0	0	0	0	
7501 7019	63 53	95 25	15	7086871	381125	397	176	175	1.44	0	0	0	0	0	0	0	
7501 7102	63 38	95 23	15	7058984	381652	412	179	177	1.92	0	0	0	0	0	0	0	
7501 7103	63 39	95 23	15	7060912	381833	1391	529	523	5.62	0	0	0	0	0	0	0	
7501 7104	63 40	95 23	15	7062322	381922	375	163	161	1.79	0	0	0	0	0	0	0	
7501 7105	63 41	95 23	15	7063998	381809	766	98	97	1.1	0	0	0	0	0	0	0	
7501 7107	63 43	95 23	15	7067148	382133		53	53	0.39	0	0	0	0	0	0	0	
7501 7108	63 44	95 23	15	7068866	382060	356	207	205	1.65	0	0	0	0	0	0	0	
7501 7113	63 48	95 23	15	7077475	382450	1257	462	460	2.17	0	0	0	0	0	0	0	
7501 7114	63 49	95 23	15	7078799	382943	1546	533	529	3.67	0	0	0	0	0	0	0	
7501 7115	63 50	95 23	15	7079904	382557	1244	453	449	3.87	0	0	0	0	0	0	0	
7501 7116	63 51	95 23	15	7081889	383097	549	220	219	1.23	0	0	0	0	0	0	0	
7501 7117	63 51	95 23	15	7083082	382946	537	240	238	2.49	0	0	0	0	0	0	0	
7501 7119	63 53	95 23	15	7086792	382701	442	231	229	2.43	0	0	0	0	0	0	0	
7501 7202	63 38	95 22	15	7058886	382997	568	268	266	1.66	0	0	0	0	0	0	0	
7501 7204	63 40	95 21	15	7062566	384012	963	572	567	5.05	0	0	0	0	0	0	0	
7501 7205	63 41	95 20	15	7064182	384303	1281	1112	1110	2.1	0	0	0	0	1	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 7206	63 42	95 21	15	7065768	383841	1182	629	626	3.23	0	0	0	0	0	0	0	
7501 7208	63 44	95 21	15	7068956	383810	365	197	195	2.2	0	0	0	0	0	0	0	
7501 7213	63 49	95 21	15	7078050	384431	1207	577	573	3.69	0	0	0	0	0	0	0	
7501 7214	63 49	95 21	15	7078723	384365	1037	462	459	2.65	0	0	0	0	0	0	0	
7501 7215	63 50	95 21	15	7079885	384084	977	516	513	2.83	0	0	0	0	0	0	0	
7501 7216	63 51	95 20	15	7081753	384899	901	282	279	2.91	0	0	0	0	0	0	0	
7501 7217	63 52	95 20	15	7083331	385061	747	318	316	2.04	0	0	0	0	0	0	0	
7501 7218	63 52	95 21	15	7084650	384598	577	240	237	2.64	0	0	0	0	0	0	0	
7501 7219	63 53	95 21	15	7086796	384523	402	196	194	1.93	0	0	0	0	0	0	0	
7501 7302	63 39	95 19	15	7059221	385168	294	54	53	0.68	0	0	0	0	0	0	0	
7501 7303	63 40	95 19	15	7060953	385084	1555	694	690	4.34	0	2	0	0	1	0	0	
7501 7304	63 40	95 19	15	7062427	385164	364	212	210	1.98	0	0	0	0	0	0	0	
7501 7305	63 41	95 19	15	7063929	385207	1054	381	379	2.31	0	0	0	0	0	0	0	
7501 7306	63 42	95 19	15	7065184	385440	920	777	775	2.08	0	2	0	0	0	0	0	
7501 7307	63 43	95 19	15	7067154	385547		51	51	0.49	0	0	0	0	0	0	0	
7501 7308	63 44	95 19	15	7069139	385617	456	193	191	2.08	0	0	0	0	0	0	0	
7501 7313	63 48	95 19	15	7077513	386109	1576	531	526	4.93	0	0	0	0	0	0	0	vial re-labelled 7314 at B.C.
7501 7315	63 50	95 19	15	7079658	386047	1119	412	407	5.49	0	0	0	0	0	0	0	
7501 7316	63 51	95 19	15	7081592	386343	611	284	281	2.65	0	0	0	0	0	0	0	
7501 7317	63 52	95 19	15	7083438	385921	522	250	247	2.79	0	0	0	0	0	0	0	
7501 7318	63 53	95 19	15	7085451	385941	567	240	237	2.69	0	0	0	0	0	0	0	
7501 7319	63 54	95 19	15	7086922	386657	578	178	176	1.82	0	0	0	0	0	0	0	
7501 7402	63 39	95 17	15	7059214	386709	538	305	304	1.09	0	0	0	0	0	0	0	
7501 7403	63 39	95 17	15	7060711	386612	876	433	428	4.58	0	0	0	0	0	0	0	
7501 7404	63 40	95 17	15	7062501	386849	448	239	237	1.86	0	0	0	0	0	0	0	
7501 7405	63 41	95 17	15	7064059	387048	507	249	246	3.21	0	0	0	0	0	0	0	
7501 7406	63 42	95 17	15	7065419	387224	787	373	371	1.65	0	0	0	0	0	0	0	
7501 7407	63 43	95 17	15	7067262	387451		51	51	0.29	0	0	0	0	0	0	0	
7501 7408	63 44	95 17	15	7069045	387484	444	290	287	2.57	0	0	0	0	0	0	0	
7501 7412	63 48	95 17	15	7075716	387400	1524	656	650	5.89	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 7413	63 48	95 17	15	7076702	387543	1015	544	540	3.96	0	0	0	0	0	0	0	
7501 7414	63 49	95 17	15	7078540	387630	1404	504	502	2.32	0	0	0	0	0	0	0	
7501 7415	63 50	95 17	15	7079733	387962	1040	403	400	3.35	0	0	0	0	0	0	0	
7501 7416	63 51	95 17	15	7081897	387888	469	199	197	1.77	0	0	0	0	0	0	0	
7501 7417	63 52	95 17	15	7083369	388019	529	243	242	1.42	0	0	0	0	0	0	0	
7501 7418	63 53	95 17	15	7085102	387667	324	118	117	0.84	0	0	0	0	0	0	0	
7501 7419	63 53	95 16	15	7086521	388534	662	262	260	1.69	0	0	0	0	0	0	0	
7501 7502	63 39	95 15	15	7059101	388436	610	299	298	0.89	0	0	0	0	0	0	0	
7501 7503	63 40	95 15	15	7060793	388387	1136	503	500	3.37	0	0	0	0	0	0	0	
7501 7504	63 40	95 15	15	7062384	388435	346	201	200	1.4								Lid not on upon arrival, grains spilled
7501 7505	63 41	95 15	15	7064183	388635	1205	505	502	2.67	0	0	0	0	0	0	0	
7501 7506	63 42	95 15	15	7065705	388896	1279	610	606	3.96	0	0	0	0	0	0	0	
7501 7507	63 43	95 15	15	7067102	388755		49	49	0.43	0	0	0	0	0	0	0	
7501 7508	63 44	95 15	15	7068680	388930	551	262	260	1.67	0	0	0	0	0	0	0	
7501 7509	63 45	95 15	15	7070661	389292	525	113	112	0.57	0	0	0	0	0	0	0	
7501 7512	63 47	95 15	15	7075426	389334	1002	378	374	3.56	0	1	0	0	1	0	0	
7501 7513	63 48	95 15	15	7076782	389127	1037	500	498	2.48	0	0	0	0	0	0	0	
7501 7514	63 49	95 15	15	7078146	389137	1161	495	492	3.02	0	0	0	0	1	0	0	
7501 7515	63 50	95 15	15	7079814	389279	1198	561	558	2.81	0	0	0	0	0	0	0	
7501 7516	63 51	95 15	15	7081140	389159	610	315	313	1.62	0	0	0	0	0	0	0	
7501 7517	63 52	95 15	15	7083319	389405	511	251	249	1.96	0	0	0	0	0	0	0	
7501 7518	63 53	95 14	15	7084848	389896	354	142	141	1.35	0	0	0	0	0	0	0	
7501 7519	63 54	95 15	15	7086700	389588	713	343	341	1.89	0	0	0	0	0	0	0	
7501 7523	63 56	95 45	15	7092351	365357		31	31	0.21	0	0	0	0	0	0	0	
7501 7524	63 57	95 45	15	7093823	365488		31	31	0.46	0	0	0	0	0	0	0	
7501 7606	63 43	95 13	15	7066347	390217	1617	670	667	3.33	0	0	0	0	0	0	0	
7501 7607	63 43	95 13	15	7067498	390394	1227	530	529	1.47	0	0	0	0	0	0	0	
7501 7608	63 44	95 13	15	7068726	390435	804	279	278	0.99	0	0	0	0	0	0	0	
7501 7609	63 45	95 13	15	7070474	390275	1371	544	540	3.63	0	0	0	0	0	0	0	
7501 7610	63 46	95 14	15	7072643	390011	266	76	76	0.32	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 7612	63 47	95 13	15	7075311	390652	265	133	132	0.77	0	0	0	0	0	0	0	
7501 7613	63 48	95 13	15	7076520	390680	466	186	185	1.34	0	0	0	0	0	0	0	
7501 7614	63 49	95 13	15	7077908	390704	492	230	228	2.15	0	0	0	0	0	0	0	
7501 7615	63 50	95 13	15	7079762	390830	378	139	138	1.26	0	0	0	0	0	0	0	
7501 7616	63 51	95 13	15	7081430	390997	1172	463	459	4.07	0	0	0	0	0	0	0	
7501 7617	63 52	95 13	15	7083221	390865	1676	560	558	2.17	0	0	0	0	0	0	0	
7501 7618	63 53	95 13	15	7084837	391156	985	322	320	2.04	0	0	0	0	0	0	0	
7501 7619	63 53	95 13	15	7086416	391076	1323	588	586	1.78	0	0	0	0	0	0	0	
7501 7623	63 56	95 42	15	7091810	367226		36	35	0.73	0	0	0	0	0	0	0	
7501 7624	63 57	95 43	15	7094815	366943		42	41	0.63	0	0	0	0	0	0	0	
7501 7706	63 43	95 12	15	7066318	391464	1368	561	559	1.63	0	0	0	0	0	0	0	
7501 7707	63 43	95 12	15	7067536	391696	1187	494	492	2.13	0	0	0	0	0	0	0	
7501 7708	63 44	95 12	15	7068714	391709	1026	213	211	1.54	0	0	0	0	0	0	0	
7501 7709	63 45	95 11	15	7070238	392161	993	352	348	4.15	0	0	0	0	0	0	0	
7501 7711	63 46	95 11	15	7073399	392065		39	39	0.26	0	0	0	0	0	0	0	
7501 7712	63 47	95 11	15	7074766	392241	346	211	209	2.25	0	0	0	0	0	0	0	
7501 7713	63 48	95 11	15	7076508	392310	664	172	170	2.07	0	0	0	0	0	0	0	
7501 7714	63 49	95 11	15	7077913	392501	558	255	252	3.34	0	0	0	0	0	0	0	
7501 7715	63 50	95 12	15	7079641	392136	496	215	213	2.29	0	0	0	0	0	0	0	
7501 7716	63 51	95 11	15	7081585	392369	962	379	375	3.99	0	0	0	0	0	0	0	
7501 7717	63 52	95 11	15	7083509	392728	676	269	266	2.9	0	2	0	0	1	0	0	
7501 7718	63 52	95 11	15	7084658	392930	808	455	450	4.62	0	2	0	0	1	0	0	CD - good
7501 7719	63 53	95 11	15	7086091	392842	1496	557	552	4.53	0	0	0	0	0	0	0	
7501 7724	63 57	95 41	15	7093700	368800		28	28	0.37	0	0	0	0	0	0	0	
7501 7807	63 43	95 09	15	7067029	393414	1132	464	461	2.84	0	0	0	0	0	0	0	
7501 7808	63 44	95 09	15	7068829	393473	1372	284	282	1.75	0	0	0	0	0	0	0	
7501 7809	63 45	95 09	15	7070240	393550	501	159	158	1.03	0	1	0	0	0	0	0	
7501 7810	63 46	95 09	15	7071925	393616	316	153	152	1.25	0	0	0	0	0	0	0	
7501 7811	63 47	95 09	15	7073719	393802		18	18	0.18	0	0	0	0	0	0	0	
7501 7812	63 47	95 09	15	7075141	393790	710	247	244	3.11	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 7814	63 49	95 09	15	7077774	394366	587	191	189	1.98	0	0	0	0	1	0	0	
7501 7815	63 50	95 09	15	7079300	393900	299	280	278	2.29	0	0	0	0	0	0	0	
7501 7816	63 51	95 09	15	7081068	394035	1312	657	654	2.98	0	0	0	0	0	0	0	
7501 7817	63 51	95 09	15	7082735	394074	858	378	374	3.6	0	1	0	0	0	0	0	
7501 7818	63 52	95 09	15	7084300	394700	1051	345	344	1.12	0	0	0	0	0	0	0	
7501 7819	63 53	95 09	15	7085938	394605	1036	385	383	1.63	0	0	0	0	0	0	0	
7501 7823	63 56	95 38	15	7091530	370638		32	32	0.25	0	0	0	0	0	0	0	
7501 7906	63 42	95 07	15	7065510	395102	1439	577	574	3.44	0	0	0	0	0	0	0	
7501 7907	63 43	95 07	15	7066924	395115	1514	531	527	3.86	0	0	0	0	0	0	0	
7501 7908	63 44	95 08	15	7068903	394930	733	251	249	2.12	0	0	0	0	0	0	0	
7501 7909	63 45	95 07	15	7070058	395145	1347	361	358	2.51	0	0	0	0	0	0	0	
7501 7910	63 46	95 08	15	7071714	395044	323	114	113	1.22	0	0	0	0	0	0	0	
7501 7911	63 47	95 08	15	7073567	395081		28	28	0.27	0	0	0	0	0	0	0	
7501 7912	63 47	95 07	15	7075178	395334	506	228	226	2.11	0	0	0	0	0	0	0	
7501 7913	63 48	95 07	15	7076485	395455	472	237	236	1.48	0	0	0	0	0	0	0	
7501 7914	63 49	95 07	15	7077749	395409	552	229	227	2.34	0	0	0	0	0	0	0	
7501 7915	63 50	95 07	15	7079300	395500	520	230	228	2.32	0	0	0	0	0	0	0	
7501 7916	63 51	95 08	15	7081114	395426	1466	447	443	3.89	0	0	0	0	0	0	0	
7501 7917	63 51	95 07	15	7082432	395561	986	337	334	3.33	0	0	0	0	0	0	0	
7501 7918	63 52	95 06	15	7084191	396510	911	308	305	2.91	0	1	0	0	2	0	0	
7501 7919	63 53	95 07	15	7085714	396045	1517	539	537	2.16	0	0	0	0	1	0	0	
7501 7923	63 56	95 36	15	7091457	372227		35	35	0.26	0	0	0	0	0	0	0	
7501 7924	63 57	95 36	15	7093304	372492		28	28	0.16	0	0	0	0	0	0	0	
7501 8006	63 42	95 05	15	7065439	396640	1162	533	531	2.08	0	0	0	0	0	0	0	
7501 8007	63 43	95 06	15	7066928	396453	1099	372	369	3.33	0	0	0	0	0	0	0	
7501 8008	63 44	95 06	15	7068664	396637	1234	468	464	3.62	0	0	0	0	0	0	0	
7501 8009	63 45	95 06	15	7070157	396616	1260	402	400	2.07	0	0	0	0	0	0	0	
7501 8010	63 46	95 05	15	7071700	396900	400	153	152	1.4	0	0	0	0	0	0	0	
7501 8011	63 46	95 05	15	7072700	397150		40	40	0.26	0	0	0	0	0	0	0	
7501 8012	63 47	95 05	15	7074900	396949	363	154	152	1.54	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 8013	63 48	95 05	15	7075900	397400	510	243	241	1.52	0	0	0	0	0	0	0	
7501 8014	63 49	95 06	15	7077827	396917	599	231	228	2.54	0	0	0	0	1	0	0	
7501 8015	63 50	95 05	15	7079335	397546	822	297	295	2.05	0	0	0	0	0	0	0	
7501 8016	63 51	95 05	15	7081177	397442	805	414	412	2.32	0	0	0	0	0	0	0	
7501 8017	63 51	95 05	15	7082449	397257	1241	429	428	1.28	0	0	0	0	0	0	0	
7501 8018	63 52	95 05	15	7084446	397569	1325	419	418	1.5	0	0	0	0	0	0	0	
7501 8019	63 53	95 05	15	7085681	397483	1423	458	456	1.6	0	0	0	0	0	0	0	
7501 8023	63 56	95 34	15	7091403	373816		28	28	0.42	0	0	0	0	0	0	0	
7501 8024	63 57	95 35	15	7093291	373779		49	49	0.14	0	0	0	0	0	0	0	
7501 8106	63 42	95 04	15	7065343	398176	937	406.7	405	1.8	0	0	0	0	0	0	0	
7501 8107	63 43	95 04	15	7066948	398085	778	167.1	166	1.22	0	0	0	0	0	0	0	
7501 8108	63 44	95 04	15	7068336	398224	1167	417.2	414	2.84	0	1	0	0	0	0	0	
7501 8109	63 45	95 04	15	7070122	398206	1342	427	425	2.38	0	0	0	0	0	0	0	
7501 8110	63 45	95 04	15	7071515	398371	1058	410.1	408	1.95	0	0	0	0	0	0	0	
7501 8111	63 46	95 04	15	7073223	398374		32	32	0.3	0	0	0	0	0	0	0	
7501 8112	63 47	95 04	15	7074851	398552	183	61.8	61	0.59	0	0	0	0	0	0	0	
7501 8113	63 48	95 03	15	7076485	398755	506	157	155	1.55	0	0	0	0	0	0	0	
7501 8114	63 49	95 04	15	7078060	398624	563	160.4	159	1.82	0	0	0	0	0	0	0	
7501 8115	63 50	95 03	15	7079643	399054	1279	349.1	346	3.23	0	0	0	0	0	0	0	
7501 8116	63 51	95 03	15	7080904	399186		25	25	0.27	0	0	0	0	0	0	0	
7501 8117	63 51	95 03	15	7082470	398863	1248	508	505	3.11	0	1	0	0	0	0	0	
7501 8118	63 52	95 03	15	7084427	398969	1363	495	493	2.3	0	0	0	0	0	0	0	
7501 8123	63 56	95 32	15	7091297	375658		46	46	0.2	0	0	0	0	0	0	0	
7501 8124	63 57	95 33	15	7093245	375343		30	30	0.37	0	0	0	0	0	0	0	
7501 8206	63 42	95 01	15	7065304	399958	1710	647.4	645	2.8	0	0	0	0	0	0	0	
7501 8207	63 43	95 01	15	7066684	400020	1274	487.9	485	2.68	0	3	0	0	0	0	0	
7501 8208	63 44	95 01	15	7068441	400064	1035	361.4	360	1.69	0	0	0	0	0	0	0	
7501 8209	63 45	95 01	15	7070224	400097	1611	580	577	2.77	0	0	0	0	0	0	0	
7501 8210	63 46	95 01	15	7071560	400374	1062	254.4	253	1.83	0	2	0	0	0	0	0	
7501 8212	63 47	95 01	15	7074554	400867	562	177	175	1.77	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 8213	63 48	95 02	15	7076348	400225	535	235	233	2.19	0	0	0	0	0	0	0	
7501 8214	63 49	95 01	15	7077991	400480	619	247.6	245	2.49	0	0	0	0	0	0	0	
7501 8215	63 50	95 01	15	7079724	400498	677	213.8	212	2.25	0	3	0	0	0	0	0	
7501 8216	63 51	95 01	15	7081079	400788	1435	467	463	4.05	0	0	0	0	0	0	0	
7501 8217	63 52	95 01	15	7082604	400870	1146	425	422	3.47	0	0	0	0	0	0	0	
7501 8219	63 53	95 02	15	7086279	400331	1174	459	456	3.17	0	1	0	0	1	0	0	
7501 8223	63 56	95 31	15	7091373	376961		29	28	0.53	0	0	0	0	0	0	0	
7501 8224	63 57	95 31	15	7093248	376706		37	37	0.25	0	0	0	0	0	0	0	
7501 8306	63 42	94 59	15	7065166	401810	1590	558	555	2.71	0	0	0	0	0	0	0	
7501 8307	63 43	94 60	15	7066767	401439	1579	797.5	789	8.51	0	0	0	0	0	0	0	
7501 8308	63 44	94 60	15	7068357	401385	733	237.2	235	2.24	0	1	0	0	0	0	0	
7501 8311	63 45	94 59	15	7070006	401754	1006	350.3	347	2.97	0	0	0	0	0	0	0	
7501 8309	63 45	94 59	15	7070006	401754		36	36	0.35	0	0	0	0	0	0	0	
7501 8312	63 47	94 59	15	7074570	401989	436	230.6	228	2.3	0	0	0	0	0	0	0	
7501 8313	63 48	94 60	15	7076179	401822	433	176.2	174	1.83	0	0	0	0	0	0	0	
7501 8314	63 49	94 59	15	7078075	401988	620	232.9	230	2.88	0	0	0	0	0	0	0	
7501 8315	63 50	94 60	15	7079531	401940	213	89.1	88	0.83	0	0	0	0	1	0	0	
7501 8316	63 51	94 59	15	7080997	402656	1390	492	489	3.36	0	0	0	0	0	0	0	
7501 8318	63 52	94 60	15	7084332	402149	1086	386	382	3.73	0	0	0	0	0	0	0	
7501 8319	63 53	94 59	15	7086111	402258	1033	452	448	3.57	0	0	0	0	0	0	0	
7501 8323	63 56	95 29	15	7092252	378500		32	32	0.09	0	0	0	0	0	0	0	
7501 8324	63 57	95 29	15	7093655	378716		34	34	0.22	0	0	0	0	0	0	0	
7501 8406	63 42	94 58	15	7065154	403097	562	250	248	1.64	0	0	0	0	0	0	0	
7501 8407	63 43	94 57	15	7066877	403292	832	386.4	385	1.83	0	0	0	0	0	0	0	
7501 8408	63 44	94 58	15	7068368	403296	1098	522	519	3.33	0	0	0	0	0	0	0	
7501 8409	63 45	94 58	15	7070067	403337	1280	431	430	0.87	0	0	0	0	0	0	0	
7501 8410	63 45	94 58	15	7071353	403012	606	209.1	207	1.89	0	0	0	0	0	0	0	
7501 8412	63 47	94 58	15	7074544	403287	433	159	158	1.45	0	0	0	0	0	0	0	
7501 8413	63 48	94 58	15	7076068	403523	288	145	144	0.81	0	0	0	0	0	0	0	
7501 8414	63 49	94 57	15	7077884	403647	489	193	191	1.69	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 8415	63 50	94 57	15	7079431	403667	559	187	185	2.49	0	0	0	0	0	0	0	
7501 8416	63 51	94 57	15	7081087	403935	982	438	436	1.88	0	0	0	0	0	0	0	
7501 8417	63 52	94 57	15	7082531	403873	1032	363.6	362	1.41	0	0	0	0	0	0	0	
7501 8418	63 52	94 57	15	7084183	403835	1209	443	440	3.45	0	5	0	0	0	0	0	
7501 8419	63 54	94 58	15	7086256	403820	1132	443	439	3.64	0	2	0	0	0	0	0	
7501 8423	63 56	95 27	15	7091638	379728		32	32	0.27	0	0	0	0	0	0	0	
7501 8424	63 57	95 26	15	7093600	381000		39	38	0.52	0	0	0	0	0	0	0	
7501 8506	63 42	94 55	15	7065200	405061	751	215	213	2.28	0	0	0	0	0	0	0	
7501 8507	63 43	94 55	15	7066821	405034	1400	625	620	4.85	0	1	0	0	0	0	0	
7501 8508	63 44	94 56	15	7068449	404626	1329	545	540	5	0	0	0	0	0	0	0	
7501 8509	63 45	94 56	15	7069978	404517	1244	435	433	2.42	0	0	0	0	0	0	0	
7501 8510	63 46	94 56	15	7071407	404722	354	145	144	1.44	0	1	0	0	0	0	0	
7501 8512	63 47	94 56	15	7074619	404731	432	160	159	1.47	0	0	0	0	0	0	0	
7501 8513	63 48	94 55	15	7076031	405381	504	225	223	1.87	0	0	0	0	0	0	0	
7501 8514	63 49	94 55	15	7077823	405236	525	205	203	2.13	0	0	0	0	0	0	0	
7501 8515	63 50	94 56	15	7079282	405251	234	110	109	1.2	0	0	0	0	0	0	0	
7501 8516	63 51	94 56	15	7080966	405101	1110	400	396	4.32	0	5	0	0	1	0	0	CD - very good
7501 8517	63 52	94 55	15	7082527	405478	1152	360	356	4.08	0	0	0	0	0	0	0	
7501 8518	63 52	94 56	15	7084181	405288	1248	505	500	4.74	0	9	0	0	0	0	0	
7501 8519	63 53	94 56	15	7085848	405467	971	300	296	3.98	0	0	0	0	0	0	0	
7501 8523	63 56	95 25	15	7091812	381215		38	38	0.49	0	0	0	0	0	0	0	
7501 8524	63 57	95 25	15	7093158	381543		24	24	0.21	0	0	0	0	0	0	0	
7501 8608	63 44	94 54	15	7068393	406024	1250	505	502	3.02	0	0	0	0	0	0	0	
7501 8609	63 45	94 54	15	7070438	406262	1260	440	436	3.67	0	0	0	0	0	0	0	
7501 8610	63 46	94 54	15	7071579	406273	161	100	99	0.71	0	0	0	0	0	0	0	
7501 8611	63 46	94 54	15	7072973	406413		34	34	0.31	0	0	0	0	0	0	0	
7501 8612	63 47	94 54	15	7074591	406322	391	155	153	1.56	0	0	0	0	0	0	0	
7501 8613	63 48	94 54	15	7075980	406448	321	100	98	1.71	0	0	0	0	0	0	0	
7501 8614	63 49	94 53	15	7077699	406949	547	140	138	1.83	0	0	0	0	0	0	0	
7501 8615	63 50	94 53	15	7079229	406943	474	140	138	1.78	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 8616	63 51	94 53	15	7080910	407085	1306	465	460	5.35	0	0	0	0	0	0	0	
7501 8617	63 52	94 53	15	7082500	407186	798	235	232	3.45	0	0	0	0	0	0	0	
7501 8618	63 52	94 53	15	7084200	407200	1527	415	410	4.52	0	2	0	0	0	0	0	
7501 8619	63 53	94 53	15	7085664	407343	1288	465	460	4.89	0	0	0	0	0	0	0	
7501 8623	63 56	95 23	15	7091730	383211		28	28	0.2	0	0	0	0	0	0	0	
7501 8624	63 57	95 23	15	7093064	383398		43	43	0.33	0	0	0	0	0	0	0	
7501 8708	63 44	94 52	15	7068255	408093	1289	530	525	5.05	0	1	0	0	0	0	0	
7501 8709	63 45	94 52	15	7069957	407982	1122	385	381	3.82	0	3	0	0	0	0	0	
7501 8710	63 46	94 52	15	7071375	407791	314	115	114	1.06	0	0	0	0	0	0	0	
7501 8711	63 46	94 52	15	7072999	407930		22	22	0.14	0	0	0	0	0	0	0	
7501 8712	63 47	94 52	15	7074599	408055	549	220	218	1.97	0	1	0	0	4	0	0	CD - 1 very good
7501 8713	63 48	94 52	15	7076011	408221	293	95	94	1.06	0	0	0	0	0	0	0	
7501 8714	63 49	94 52	15	7078023	408381	482	205	203	2.33	0	1	0	0	1	0	0	CD - very good
7501 8715	63 50	94 52	15	7079284	408284	499	165	162	2.52	0	0	0	0	0	0	0	
7501 8716	63 51	94 51	15	7080900	408824	982	305	302	3	0	4	0	0	0	0	0	
7501 8717	63 52	94 51	15	7082500	408900	173	80	79	0.8	0	0	0	0	0	0	0	
7501 8718	63 52	94 52	15	7083874	408494	1399	445	441	4.21	0	3	0	0	0	0	0	
7501 8719	63 53	94 51	15	7085602	408843	1192	510	504	6.05	0	4	0	0	0	0	0	
7501 8723	63 56	95 21	15	7091732	385058		33	33	0.2	0	0	0	0	0	0	0	
7501 8724	63 57	95 21	15	7092938	385136		31	31	0.48	0	0	0	0	0	0	0	
7501 8808	63 44	94 50	15	7068002	409111	1201	345	342	3.13	0	0	0	0	0	0	0	
7501 8809	63 45	94 50	15	7069693	409560	1517	520	516	3.52	0	0	0	0	0	0	0	
7501 8810	63 46	94 49	15	7071357	410606	285	130	129	1.49	0	0	0	0	0	0	0	
7501 8811	63 46	94 49	15	7072875	410115		37	37	0.36	0	0	0	0	0	0	0	
7501 8812	63 47	94 50	15	7074661	409740	419	170	168	1.65	0	1	0	0	0	0	0	
7501 8813	63 48	94 50	15	7075994	409952	507	215	213	1.99	0	0	0	0	0	0	0	
7501 8814	63 49	94 50	15	7077581	409720	485	205	203	2.09	0	1	0	0	0	0	0	
7501 8815	63 50	94 50	15	7078854	409623	422	190	188	1.59	0	1	0	0	0	0	0	
7501 8816	63 50	94 50	15	7080459	409774	822	335	331	4.27	0	0	0	0	0	0	0	
7501 8817	63 51	94 50	15	7082200	410000	894	400	398	2.33	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 8818	63 52	94 49	15	7084125	410572	962	360	356	4.31	0	1	0	0	0	0	0	
7501 8819	63 53	94 50	15	7085726	410315	1095	505	500	5.22	0	0	0	0	0	0	0	
7501 8908	63 44	94 48	15	7068047	410770	1126	560	556	3.66	0	4	0	0	1	0	0	
7501 8909	63 45	94 48	15	7069749	411346	1214	435	431	4.02	0	7	0	0	1	0	0	
7501 8910	63 46	94 47	15	7071418	412189	219	105	104	1.19	0	0	0	0	0	0	0	
7501 8911	63 46	94 48	15	7072933	411404		22	22	0.3	0	0	0	0	0	0	0	
7501 8912	63 47	94 48	15	7074555	411097	456	225	223	2.16	0	0	0	0	0	0	0	
7501 8913	63 48	94 48	15	7075986	411404	528	245	243	2.3	0	2	0	0	1	0	0	
7501 8914	63 49	94 48	15	7077664	411483	404	135	134	1.37	0	0	0	0	0	0	0	
7501 8915	63 50	94 48	15	7079107	411204	236	100	100	0.4	0	0	2	0	0	0	0	ILM - likely crustal
7501 8916	63 51	94 48	15	7080598	411323	1124	375	373	1.67	0	0	0	0	0	0	0	
7501 8917	63 52	94 48	15	7082488	411750	1255	485	484	1.43	0	12	1	0	1	0	0	ILM - likely crustal
7501 8918	63 52	94 47	15	7083799	412363	998	400	398	1.66	0	2	1	0	0	0	0	ILM - likely crustal
7501 8919	63 53	94 47	15	7085486	412034	1257	405	399	5.58	0	10	3	0	1	0	0	ILM - likely crustal
7501 8923	63 57	95 17	15	7092705	388041		30	30	0.37	0	0	0	0	0	0	0	
7501 8924	63 57	95 17	15	7093294	387997		23	23	0.23	0	0	0	0	0	0	0	
7501 9008	63 44	94 46	15	7068071	412912	1429	615	612	3.14	0	3	0	0	4	1	0	OTH - zircon?, diamond?
7501 9009	63 45	94 46	15	7069596	412994	591	245	243	1.81	0	2	0	0	1	0	0	
7501 9010	63 46	94 46	15	7071500	413200	150	120	119	0.57	0	0	0	0	0	0	0	
7501 9012	63 47	94 46	15	7074550	412843	499	170	170	0.49	0	2	0	0	0	0	0	
7501 9013	63 48	94 46	15	7076000	413150	328	125	124	1.12	0	0	0	0	0	0	0	
7501 9014	63 49	94 45	15	7077683	413611	538	225	223	1.94	0	5	0	0	1	0	0	CD - ?
7501 9015	63 50	94 45	15	7079309	413597	589	225	224	1.24	0	2	0	0	0	0	0	
7501 9016	63 51	94 46	15	7080746	413179	793	270	268	1.87	0	7	0	0	0	0	0	
7501 9017	63 52	94 45	15	7082600	413600	1074	315	313	2.04	0	7	0	0	1	0	tr?	OL? - 1
7501 9018	63 52	94 46	15	7084000	413400	985	330	328	1.59	0	0	0	0	0	0	0	
7501 9019	63 53	94 46	15	7085305	413617	1119	370	368	1.81	0	4	0	1	0	0	0	
7501 9024	63 57	95 15	15	7092810	389869		34	34	0.22	0	0	0	0	0	0	0	
7501 9108	63 44	94 44	15	7067991	414398	796	245	243	1.59	0	0	0	0	0	0	0	
7501 9109	63 45	94 44	15	7069584	414395	633	250	248	2.47	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
7501 9110	63 46	94 44	15	7071174	414341	182	100	99	0.87	0	0	0	0	0	0	0	
7501 9111	63 46	94 44	15	7072769	414313		40	40	0.45	0	0	0	0	0	0	0	
7501 9112	63 47	94 44	15	7074350	414424	935	185	183	1.69	0	0	0	0	0	0	0	
7501 9113	63 48	94 44	15	7075993	414564	498	205	205	0.46	0	0	0	0	0	0	0	
7501 9114	63 49	94 43	15	7077528	415183	365	100	100	0.48	0	0	0	0	0	0	0	
7501 9115	63 50	94 44	15	7079316	414987	435	195	195	0.4	0	0	0	0	0	0	0	
7501 9116	63 51	94 43	15	7080579	415323	1411	470	468	1.93	0	0	0	0	0	0	0	
7501 9117	63 52	94 44	15	7082501	415032	1163	420	418	2.12	0	4	0	0	1	0	0	CD - ?
7501 9118	63 52	94 44	15	7083967	414907	1176	340	338	2.34	0	0	0	0	0	0	0	
7501 9119	63 53	94 44	15	7085628	415189	794	215	212	2.86	0	7	0	0	0	0	0	
7501 9214	63 55	94 42	15	7087800	416800	544	215	214	0.88	0	0	0	0	0	0	0	
76PL 1500	63 37	97 12	14	7054988	589322	742	140	139	0.93	0	1	0	0	0	0	0	
76PL 1503	63 39	97 12	14	7059513	589329	1151	275	273	1.67	0	0	0	1	0	0	0	
76PL 1504	63 40	97 11	14	7061276	589594	603	85	84	0.56	0	0	0	0	0	0	0	
76PL 1505	63 41	97 12	14	7063300	589000		158	155	3.41	0	5	0	3	1	2	0	OTH - round, black grains
76PL 1506	63 42	97 12	14	7064361	588758	1152	270	269	1.44	0	0	0	1	0	0	0	
76PL 1507	63 43	97 14	14	7066243	587647	925	185	184	1.42	0	0	0	0	1	0	0	CD - pale
76PL 1508	63 44	97 13	14	7068359	587665	590	90	89	0.71	0	0	0	0	1	0	0	CD?
76PL 1509	63 45	97 12	14	7070146	588643	831	235	233	1.51	0	0	0	0	0	0	0	
76PL 1510	63 46	97 12	14	7071342	588511	911	220	219	1.47	0	0	0	0	0	0	0	
76PL 1511	63 46	97 12	14	7072777	588628	1012	215	213	1.86	0	2	0	0	0	0	0	
76PL 1516	63 51	97 12	14	7080852	588186	868	225	223	1.73	0	1	0	0	2	0	0	
76PL 1517	63 52	97 12	14	7082650	588260	543	105	104	1.06	0	1	0	0	0	0	0	
76PL 1518	63 53	97 13	14	7084161	587499	1205	275	273	1.93	0	0	0	0	0	0	0	
76PL 1519	63 53	97 13	14	7085395	587340	1871	475	475	0.47	0	0	0	0	0	0	0	
76PL 1520	63 54	97 12	14	7087279	587998	1194	210	209	1.49	0	0	0	0	0	0	0	
76PL 1521	63 55	97 13	14	7089092	587792	278	60	60	0.49	0	0	0	0	1	0	0	
76PL 1524	63 58	97 13	14	7093671	587200	834	180	179	1.27	0	0	0	0	0	0	0	
76PL 1525	63 59	97 13	14	7095347	587136	1263	275	273	2.3	0	0	0	0	0	0	0	
76PL 1526	63 60	97 12	14	7097261	587692	1271	310	309	1.41	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 1527	64 0	97 13	14	7098576	587118	745	155	154	1.34	0	0	0	0	0	0	0	
76PL 1550	63 36	97 11	14	7053784	589722	954	195	193	1.8	0	0	0	0	0	0	0	
76PL 1552	63 34	97 12	14	7050566	589784	1235	225	221	3.58	0	1	0	0	4	0	0	
76PL 1600	63 37	97 10	14	7055398	590639	1650	370	369	1	0	0	0	0	0	0	0	
76PL 1601	63 38	97 10	14	7056484	590852	1083	230	228	1.85	0	1	0	0	2	0	0	CD - 1 good
76PL 1602	63 39	97 10	14	7058518	590884	1151	235	232	2.78	0	0	0	0	0	0	0	
76PL 1603	63 40	97 10	14	7060069	591077	935	210	208	2.47	0	0	0	0	1	0	0	
76PL 1604	63 40	97 10	14	7061583	590850	1250	365	363	2.39	0	0	0	0	0	0	0	
76PL 1606	63 42	97 10	14	7064486	590245	1345	345	343	2.43	0	0	0	0	0	0	0	
76PL 1607	63 43	97 12	14	7067042	589060	1451	350	345	5.18	0	0	0	0	0	0	0	
76PL 1608	63 44	97 10	14	7068279	590327	1309	230	226	4.13	0	1	0	0	1	0	0	
76PL 1609	63 45	97 10	14	7069683	590458	882	190	188	1.91	0	1	0	0	0	0	0	
76PL 1610	63 45	97 10	14	7071133	590257	873	220	218	1.75	0	0	0	0	0	0	0	
76PL 1611	63 46	97 10	14	7072714	590271	1055	215	213	2.27	0	0	0	1	0	0	0	CHR - ?
76PL 1616	63 51	97 10	14	7080830	590096	755	185	183	1.66	0	0	0	0	0	0	0	
76PL 1617	63 52	97 11	14	7082831	589683	1075	265	262	3.38	0	0	0	0	0	0	0	
76PL 1618	63 53	97 10	14	7084250	589979	852	265	263	2.29	0	0	0	0	0	0	0	
76PL 1619	63 53	97 11	14	7085667	589258	1059	270	267	3.05	0	0	0	1	0	0	0	
76PL 1620	63 54	97 10	14	7087399	589587	781	230	228	2.2	0	2	0	1	0	0	0	
76PL 1621	63 55	97 10	14	7088930	589653	503	100	99	0.98	0	1	0	0	0	0	0	
76PL 1622	63 56	97 10	14	7090494	589820		44	44	0.25	0	0	0	0	0	0	0	
76PL 1624	63 58	97 11	14	7093796	589094	985	255	253	2.27	0	0	0	0	0	0	0	
76PL 1625	63 59	97 11	14	7095512	589170	1072	280	277	2.59	0	0	0	5	0	0	0	CHR - zoned
76PL 1626	63 59	97 11	14	7096678	589190	745	225	223	1.54	0	0	0	0	0	0	0	
76PL 1627	64 0	97 10	14	7098720	589335	631	225	223	1.51	0	0	0	0	0	0	0	
76PL 1650	63 36	97 10	14	7054006	591323	1395	240	237	2.86	0	0	0	0	0	0	0	
76PL 1651	63 35	97 10	14	7052230	590637	769	170	169	1.16	0	0	0	0	0	0	0	
76PL 1652	63 35	97 10	14	7050897	591370	1161	275	269	6.27	0	0	0	0	0	0	0	
76PL 1700	63 37	97 08	14	7055606	592609	1122	355	351	4.05	0	0	0	0	0	0	0	
76PL 1701	63 37	97 08	14	7055984	592323	1177	325	322	2.7	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 1702	63 39	97 08	14	7058569	592576	921	220	219	1.38	0	0	0	0	0	0	0	
76PL 1703	63 40	97 08	14	7060203	592704	1650	420	416	4.44	0	0	0	0	0	0	0	
76PL 1704	63 40	97 07	14	7061396	592800	772	205	203	2.18	0	0	0	0	0	0	0	
76PL 1705	63 41	97 08	14	7063300	592500		113	110	2.81	0	2	0	1	0	0	0	
76PL 1706	63 42	97 08	14	7064442	592397	673	160	158	2.13	0	0	0	0	0	0	0	
76PL 1707	63 43	97 09	14	7066079	591519	780	90	89	1.25	0	0	0	0	0	0	0	
76PL 1708	63 44	97 08	14	7068265	591905	369	80	79	1.2	0	0	0	0	0	0	0	
76PL 1709	63 45	97 08	14	7069747	592111	361	85	84	0.69	0	0	0	0	0	0	0	
76PL 1710	63 46	97 08	14	7071468	592123	1108	315	313	2.37	0	1	0	0	0	0	0	
76PL 1711	63 46	97 08	14	7072952	591706	840	205	203	1.91	0	0	0	0	0	0	0	
76PL 1716	63 51	97 09	14	7080983	591315	833	220	218	2.01	0	0	0	0	1	0	0	
76PL 1717	63 52	97 08	14	7082908	591387	1140	335	331	3.84	0	0	0	0	0	0	0	
76PL 1718	63 53	97 08	14	7084407	591453	780	215	213	2.37	0	0	0	0	0	0	0	
76PL 1719	63 53	97 09	14	7085819	591241	1177	330	328	2.34	0	0	0	0	0	0	0	
76PL 1720	63 54	97 08	14	7087324	591345	1487	345	343	1.94	0	0	0	0	1	0	0	
76PL 1721	63 55	97 08	14	7088784	591399	1205	310	308	1.87	0	0	0	1	0	0	0	
76PL 1722	63 56	97 08	14	7090762	591508	190	90	89	0.84	0	0	0	0	0	0	0	
76PL 1724	63 58	97 08	14	7094100	591012	1087	215	213	1.62	0	0	0	0	0	0	0	
76PL 1725	63 59	97 09	14	7095518	590837	283	70	70	0.18	0	0	0	0	0	0	0	
76PL 1726	63 59	97 09	14	7096091	590790	824	185	185	0.31	0	0	0	0	3	0	0	
76PL 1727	64 1	97 08	14	7099173	590977	566	155	155	0.43	0	0	0	0	0	0	0	
76PL 1750	63 36	97 08	14	7054100	592454	331	75	75	0.27	0	0	0	0	0	0	0	
76PL 1751	63 35	97 09	14	7051775	592146	1565	280	278	2.07	0	0	0	0	0	0	0	
76PL 1752	63 34	97 08	14	7050675	592723	1600	375	372	3.46	0	0	0	0	1	0	0	CD - altered appearance
76PL 1800	63 37	97 07	14	7055121	593787	1020	255	254	1.4	0	0	0	0	1	0	0	
76PL 1801	63 38	97 06	14	7057261	594493	1433	370	368	2.17	0	1	0	1	0	0	0	
76PL 1802	63 39	97 06	14	7059104	594197	1050	225	222	2.52	0	0	0	0	0	0	0	
76PL 1803	63 39	97 06	14	7059915	593879	896	230	227	2.7	0	0	0	0	0	0	0	
76PL 1804	63 40	97 05	14	7061463	594670	664	165	163	1.63	0	0	0	0	1	0	0	
76PL 1806	63 42	97 06	14	7064955	593802	926	205	204	1.5	0	0	0	0	1	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 1807	63 43	97 06	14	7066244	593540	676	155	154	0.83	0	0	0	2	0	0	0	
76PL 1808	63 44	97 08	14	7067765	592524	914	230	228	1.75	0	0	0	0	1	0	0	
76PL 1809	63 45	97 06	14	7069800	593500		115	113	1.9	0	2	0	0	4	0	0	
76PL 1810	63 46	97 06	14	7071310	593462	1128	235	233	1.93	0	0	0	0	0	0	0	
76PL 1811	63 46	97 07	14	7073078	593218	1274	280	279	1.1	0	0	0	0	0	0	0	
76PL 1815	63 50	97 07	14	7080100	592500	564	125	124	0.98	0	0	0	0	0	0	0	
76PL 1816	63 51	97 07	14	7081401	592391	719	195	193	1.77	0	0	0	0	0	0	0	
76PL 1817	63 52	97 07	14	7083463	592639	884	205	204	1.23	0	0	0	3	0	0	0	
76PL 1818	63 52	97 06	14	7084185	593137	852	245	243	2.1	0	0	0	0	0	0	0	
76PL 1819	63 53	97 06	14	7085768	592909	1173	255	253	1.88	0	0	0	0	0	0	0	
76PL 1820	63 54	97 06	14	7087452	593048	848	195	194	0.97	0	0	0	0	0	0	0	
76PL 1821	63 55	97 06	14	7088732	592965	1705	315	314	1.28	0	0	0	0	1	0	0	
76PL 1822-A	63 56	97 06	14	7090749	592743		41	40	0.51	0	0	0	0	0	0	0	
76PL 1822-B	63 56	97 06	14	7090749	592743		31	31	0.19	0	0	0	0	0	0	0	
76PL 1823	63 57	97 06	14	7092195	592721	909	160	159	0.82	0	0	0	0	0	0	0	
76PL 1824	63 58	97 06	14	7094012	592719	987	210	209	1.27	0	0	0	0	0	0	0	
76PL 1825	63 59	97 07	14	7095492	592454	1413	415	413	1.95	0	0	0	24	0	0	0	CHR - zoned, very angular, ?
76PL 1826	63 59	97 07	14	7097091	592404	1156	260	258	1.64	0	0	0	0	0	0	0	
76PL 1827	64 01	97 07	14	7099536	592454	628	205	204	0.75	0	0	0	0	0	0	0	
76PL 1850	63 36	97 06	14	7054125	594083	1187	270	268	1.66	0	0	0	0	0	0	0	
76PL 1851	63 35	97 06	14	7051612	594325	1401	290	288	1.85	0	0	0	0	1	0	0	CD - altered appearance
76PL 1852	63 34	97 05	14	7050128	594793	1063	215	212	2.58	0	0	0	0	3	0	0	
76PL 1900	63 37	97 04	14	7055432	596188	1612	340	337	2.54	0	2	0	1	0	0	0	
76PL 1901	63 38	97 04	14	7056905	595809	1109	225	223	2.1	0	0	0	0	1	0	0	
76PL 1902	63 39	97 04	14	7058909	595562	815	185	183	1.74	0	1	0	0	1	0	0	
76PL 1903	63 39	97 04	14	7059949	595686	1048	265	263	2.35	0	0	0	0	2	0	0	
76PL 1904	63 40	97 04	14	7061575	595712	611	120	118	2.45	0	0	0	0	0	0	0	
76PL 1905	63 41	97 05	14	7063700	595000		120	117	2.83	0	3	0	0	2	0	0	
76PL 1906	63 42	97 04	14	7065017	595341	1444	290	287	3.21	0	0	0	2	2	0	0	CHR - ?
76PL 1907	63 43	97 04	14	7066443	595268	1325	275	272	3.04	0	0	0	0	4	0	tr?	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 1908	63 73	97 07	14	7068095	595331	904	175	173	1.88	0	1	0	0	1	0	tr?	
76PL 1909	63 45	97 05	14	7069875	594617	471	85	84	0.85	0	0	0	0	0	0	0	
76PL 1910	63 46	97 04	14	7071617	595608	1299	290	289	1.41	0	0	0	0	0	0	0	
76PL 1911	63 46	97 04	14	7073087	595051	1145	295	292	2.71	0	0	0	0	5	0	0	
76PL 1916	63 51	97 04	14	7081354	594720	1120	250	247	3.09	0	1	0	0	4	0	0	
76PL 1917	63 52	97 05	14	7083037	594325	557	130	128	1.61	0	0	0	1	0	0	0	
76PL 1918	63 52	97 05	14	7084301	594459	370	95	94	1.07	0	0	0	0	3	0	0	
76PL 1919	63 53	97 04	14	7086055	594584	1244	315	312	3.12	0	0	0	0	0	0	0	
76PL 1920	63 54	97 05	14	7087402	594309	1206	260	258	1.92	0	0	0	0	0	0	0	
76PL 1921	63 55	97 04	14	7088554	594622	1001	240	238	1.61	0	0	0	0	3	0	0	
76PL 1922	63 56	97 04	14	7090380	594429		45	44	0.53	0	0	0	0	0	0	0	
76PL 1924	63 58	97 05	14	7093952	594209	968	185	183	1.73	0	0	0	0	1	0	0	
76PL 1925	63 58	97 04	14	7095254	594341	641	150	150	0.27	0	0	0	1	0	0	0	CHR - poss. zoned
76PL 1926	63 59	97 05	14	7097179	593981	1623	500	496	3.86	0	0	0	0	0	0	0	
76PL 1927	64 0	97 05	14	7098753	593668	722	265	263	2.14	0	0	0	0	0	0	0	
76PL 1950	63 36	97 04	14	7053947	596160	1004	260	258	2.5	0	0	0	1	1	0	0	
76PL 1951	63 35	97 04	14	7052644	595556	900	215	212	2.77	0	0	0	0	1	0	0	
76PL 1952	63 34	97 04	14	7050052	596080	1078	300	296	4.28	0	0	0	0	5	0	0	
76PL 1953	63 33	97 04	14	7048912	596174	921	240	237	3.37	0	0	0	0	0	0	0	
76PL 2000	63 37	97 02	14	7055494	597689	1152	300	298	2.42	0	2	0	0	1	0	0	
76PL 2001	63 38	97 02	14	7056920	597603	855	220	217	2.75	0	0	0	0	1	0	0	
76PL 2002	63 38	97 02	14	7058213	597138	1165	270	266	4.02	0	0	0	0	0	0	0	
76PL 2003	63 40	97 01	14	7060457	597994	1209	295	293	2.5	0	0	0	0	0	0	0	
76PL 2004	63 40	97 02	14	7061857	597044	1189	345	342	3.37	0	0	0	3	1	0	0	CHR - ?
76PL 2005	63 41	97 00	14	7063000	598900	561	95	94	1.33	0	0	0	0	0	0	0	
76PL 2006	63 42	97 02	14	7065118	597375	881	185	182	3.06	0	0	0	0	0	0	0	
76PL 2007	63 43	97 02	14	7066291	596937	883	210	208	2.11	0	0	0	0	0	0	0	
76PL 2008	63 44	97 03	14	7068169	596425	644	185	183	1.63	0	0	0	2	0	0	0	CHR - ?
76PL 2009	63 44	97 03	14	7069253	596446	1051	270	269	1.43	0	1	0	0	0	0	0	
76PL 2010	63 46	97 02	14	7071437	596718	1483	335	332	3.27	0	0	0	0	4	0	tr?	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 2011	63 47	97 02	14	7073308	596970	623	165	163	1.66	0	0	0	0	0	0	0	
76PL 2015	63 50	97 03	14	7079802	595750		219	215	3.91	0	1	0	0	5	0	0	
76PL 2017	63 52	97 03	14	7082990	595828	631	155	154	1.22	0	0	0	0	0	0	0	
76PL 2018	63 53	97 03	14	7084469	595894	821	245	243	2.2	0	0	0	0	0	0	0	
76PL 2019	63 53	97 03	14	7085998	595845	1137	295	293	2.32	0	0	0	1	2	0	0	
76PL 2020	63 54	97 02	14	7087411	596142	877	225	224	1.39	0	0	0	0	0	0	0	
76PL 2021	63 55	97 03	14	7088646	596059	638	130	128	1.51	0	0	0	2?	0	0	0	
76PL 2022-A	63 56	97 02	14	7090564	596042		40	39	0.62	0	0	0	0	0	0	0	
76PL 2022-B	63 56	97 02	14	7090564	596042		35	35	0.3	0	0	0	0	0	0	0	
76PL 2024	63 58	97 04	14	7094000	594400		482	478	3.59	0	2	0	5	1	0	tr?	
76PL 2025	63 58	97 03	14	7095371	595739	801	165	164	1.34	0	0	0	8	0	0	0	
76PL 2026	63 59	97 03	14	7097148	595687	1779	440	437	2.93	0	0	0	1	0	0	0	
76PL 2027	64 01	97 02	14	7099265	595755	721	205	203	1.64	0	0	0	0	0	0	0	
76PL 2050	63 36	97 02	14	7054171	597493	889	195	194	1.14	0	0	0	0	0	0	0	
76PL 2051	63 35	97 02	14	7052000	597300		229	226	3.21	0	4	0	2	2	0	tr?	
76PL 2052	63 34	97 02	14	7050827	597557	965	160	158	2.49	0	0	0	0	0	0	0	
76PL 2053	63 33	97 02	14	7048978	597560	1339	330	327	2.59	0	0	1	0	1	0	0	CD - ?
76PL 2100	63 37	97 00	14	7055522	599127	1058	245	243	1.99	0	0	0	0	2	0	0	
76PL 2101	63 38	96 60	14	7056783	599464	1508	315	313	1.78	0	0	0	0	3	0	0	
76PL 2103	63 40	96 60	14	7060324	599307	1086	235	233	2.44	0	0	0	0	0	0	0	
76PL 2104	63 40	96 60	14	7061886	598965	415	120	119	1.39	0	0	0	0	0	0	0	
76PL 2105	63 41	97 22	14	7063300	580500		126	124	1.69	0	2	0	0	1	0	tr?	
76PL 2106	63 42	96 59	14	7065237	599715	1246	220	218	2.43	0	0	0	3	0	0	0	
76PL 2107	63 43	97 00	14	7066681	598713	651	100	99	0.68	0	0	0	0	1	0	0	
76PL 2108	63 44	97 00	14	7068436	598470	1494	335	333	1.58	0	0	0	0	1	0	0	
76PL 2109	63 45	97 00	14	7069826	598499	718	195	194	1.47	0	0	0	1	0	0	0	
76PL 2110	63 46	97 00	14	7071909	598429	1042	205	204	1.5	0	0	0	1	5	0	0	
76PL 2111	63 46	97 01	14	7072936	598044	1155	225	224	1.21	0	0	0	0	6	0	tr?	
76PL 2115	63 50	97 01	14	7079733	597456	716	150	149	1.46	0	0	0	0	1	0	tr?	
76PL 2116	63 51	97 01	14	7081349	597737	1168	185	184	1.31	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 2117	63 52	97 01	14	7083132	597620	1420	480	445	34.62	0	0	0	0	0	0	0	
76PL 2118	63 53	97 01	14	7084660	597113	931	245	243	1.97	0	0	0	1	1	0	0	
76PL 2119	63 54	97 01	14	7086423	597366	816	205	204	1.11	0	0	0	0	0	0	0	
76PL 2120	63 54	97 01	14	7087483	597477	1001	285	284	1.49	0	0	0	0	1	0	0	
76PL 2121	63 55	97 01	14	7089087	597363	1319	330	329	1.11	0	0	0	0	0	0	0	
76PL 2122	63 56	97 00	14	7090482	597762	1663	485	485	0.35	0	0	0	0	2	0	tr?	
76PL 2125	63 58	97 01	14	7095429	596999	1215	285	283	1.55	0	0	0	0	1	0	0	
76PL 2126	63 59	97 01	14	7097143	596972	1153	300	299	1.14	0	0	0	0	0	0	0	
76PL 2127	64 01	97 01	14	7099361	597259	675	160	160	0.34	0	1	0	0	1	0	0	
76PL 2150	63 36	96 60	14	7054405	599437	1024	175	174	0.58	0	0	0	0	2	0	0	
76PL 2151	63 40	96 59	14	7062000	599400		257	255	2.27	0	4	0	1	2	0	0	
76PL 2152	63 34	96 60	14	7050617	599647	1591	305	305	0.11	0	0	0	0	0	0	0	
76PL 2153	63 33	97 01	14	7048936	598935	1090	205	205	0.28	0	0	0	0	0	0	0	
76PL 2200	63 37	96 58	14	7055685	600575	1196	275	274	1.04	0	0	0	0	0	0	0	
76PL 2201	63 38	96 58	14	7057218	600844	999	235	233	2.15	0	1	0	0	2	0	0	
76PL 2202	63 39	96 58	14	7059356	600570	840	190	190	0.42	0	0	0	0	0	0	0	
76PL 2203	63 40	96 58	14	7060456	600464	914	210	210	0.27	0	0	0	0	0	0	0	
76PL 2204	63 40	96 58	14	7062049	600414	761	180	178	1.97	0	0	0	0	1	0	0	
76PL 2205	63 41	96 56	14	7063700	601800		110	109	1.2	0	1	0	0	1	0	tr?	CD - ?, pale
76PL 2206	63 42	96 57	14	7065596	601479	794	176	175	1.11	0	0	0	0	0	0	0	
76PL 2207	63 43	96 59	14	7066618	599962	1276	325	324	1.05	0	0	0	0	0	0	0	
76PL 2208	63 44	96 58	14	7068520	600149	1490	375	373	1.67	0	0	0	0	1	0	0	CD - good
76PL 2209	63 45	96 59	14	7070013	599897	465	100	99	1.28	0	0	0	0	2	0	0	
76PL 2210	63 46	96 58	14	7071753	600264	1029	215	213	2.04	0	0	0	0	2	0	tr?	
76PL 2211	63 46	96 57	14	7072919	600717	1066	240	237	2.56	0	0	0	0	0	0	0	
76PL 2215	63 50	96 59	14	7079705	599366	627	155	154	1.33	0	0	0	0	0	0	0	
76PL 2216	63 51	96 58	14	7081384	599582	1016	200	199	1.47	0	0	0	0	2	sul	0	
76PL 2217	63 52	96 59	14	7082727	599447	1541	370	369	1.02	0	0	0	0	1	0	tr?	
76PL 2218	63 53	96 60	14	7084871	598383	551	145	144	0.9	0	0	0	3	4	sul	0	
76PL 2219	63 54	96 59	14	7086337	599238	1726	500	496	3.96	0	0	0	0	2	0	0	

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* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 2220	63 54	96 59	14	7087276	598969	1387	370	369	0.84	0	0	0	0	0	0	0	
76PL 2221	63 55	96 59	14	7088929	599122	1000	320	318	1.7	0	0	0	1	0	0	0	
76PL 2222	63 56	96 59	14	7088929	599122		46	46	0.14	0	0	0	0	0	0	0	
76PL 2224	63 58	96 59	14	7094130	598737	1351	375	375	0.47	0	0	0	0	0	0	0	
76PL 2225	63 59	96 58	14	7096164	599202	897	270	269	0.58	0	0	0	2	0	0	0	
76PL 2226	63 59	96 59	14	7097255	598485	1482	395	394	1.44	0	0	0	0	0	0	0	
76PL 2227	64 01	96 58	14	7099485	599425	635	160	158	1.64	0	0	0	7	3	0	0	CHR - ?
76PL 2250	63 36	96 58	14	7054069	600740	1541	400	398	1.91	0	0	0	0	0	0	0	
76PL 2251	63 35	96 58	14	7052059	600593	1000	260	258	1.53	0	0	0	0	0	0	0	
76PL 2252	63 34	96 58	14	7050730	600778	1109	225	224	1.42	0	0	0	0	1	0	0	
76PL 2253	63 33	96 58	14	7048810	600681	948	165	163	2.13	0	0	0	1	0	0	0	
76PL 2300	63 37	96 56	14	7055664	602115	1009	235	232	2.74	0	2	0	0	1	sul	0	
76PL 2301	63 38	96 56	14	7056854	602428	1054	255	253	1.63	0	0	0	0	0	0	0	
76PL 2302	63 39	96 56	14	7058717	602170	1253	365	364	1.26	0	1	0	0	1?	0	0	
76PL 2303	63 39	96 55	14	7060406	603366	1319	310	308	2.2	0	1	0	0	1	0	0	
76PL 2304	63 40	96 57	14	7062213	601557	396	125	124	0.69	0	2	0	1	0	0	0	
76PL 2306	63 42	96 54	14	7065477	603683	864	180	179	1.29	0	0	0	0	0	0	0	
76PL 2307	63 43	96 56	14	7066848	602096	806	200	198	1.95	0	0	0	0	1	0	0	
76PL 2308	63 44	96 57	14	7069075	601438	802	140	138	1.59	0	0	0	1	1	0	0	
76PL 2309	63 45	96 57	14	7070044	601474	392	75	74	0.78	0	0	0	0	0	0	0	
76PL 2310	63 46	96 56	14	7072329	601656	488	105	104	1.42	0	1	0	5	1	0	0	
76PL 2311	63 46	96 56	14	7073300	602000		159	156	2.92	0	0	0	1	4	0	tr?	CD - 1 good
76PL 2315	63 50	96 57	14	7079845	601018	981	270	268	2.25	0	0	0	0	0	sul	0	
76PL 2316	63 51	96 56	14	7081679	601359	1063	230	228	2.39	0	0	0	0	0	0	0	
76PL 2317	63 52	96 56	14	7082937	601467	994	210	208	1.94	0	0	0	0	0	0	0	
76PL 2318	63 52	96 57	14	7084292	600479	1486	395	392	2.62	0	0	0	0	0	0	0	
76PL 2319	63 54	96 56	14	7086480	601069	1575	415	412	3.11	0	4	0	15	0	0	0	
76PL 2320	63 54	96 57	14	7087514	600735	875	205	203	2.15	0	0	0	0	0	0	0	
76PL 2321	63 55	96 57	14	7088950	600866	500	90	89	0.99	0	0	0	1	0	0	0	
76PL 2322	63 56	96 57	14	7090301	600896		28	27	0.51	0	0	0	0	0	0	0	

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* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 2324	63 58	96 57	14	7093860	600637	1008	285	282	2.77	0	1	0	9	0	0	0	
76PL 2325	63 59	96 57	14	7095727	600252	1095	380	378	2.27	0	0	0	8	0	0	0	
76PL 2326	63 59	96 57	14	7097349	600431	1305	395	393	1.54	0	1	0	0	1	0	0	
76PL 2327	64 01	96 57	14	7099452	600457	249	115	114	0.92	0	0	0	0	0	0	0	
76PL 2350	63 36	96 56	14	7053965	602294	926	230	228	2.38	0	0	0	0	1	0	0	
76PL 2351	63 35	96 56	14	7052258	602346	1038	210	208	1.87	0	0	0	0	0	0	0	
76PL 2352	63 34	96 56	14	7050578	602499	1106	210	207	2.73	0	0	0	0	0	0	0	
76PL 2353	63 33	96 56	14	7049205	602749	1187	280	277	2.83	0	1	0	2	0	0	0	
76PL 2400	63 37	96 54	14	7055995	603714	940	285	280	4.71	0	0	0	1	0	0	0	
76PL 2402	63 39	96 54	14	7059602	603709	1363	320	317	3.28	0	0	0	4	2	0	0	
76PL 2403	63 40	96 54	14	7060707	604303	621	90	88	1.68	0	0	0	0	0	0	0	
76PL 2404	63 41	96 55	14	7062303	602853	624	150	148	1.92	0	0	0	0	0	0	0	
76PL 2405	63 41	96 52	14	7062600	605600		73	71	1.97	0	1	0	0	3	0	0	CD - likely low Cr
76PL 2406	63 42	96 53	14	7065514	604828	874	175	173	1.6	0	1	1	0	8	0	tr?	ILM - ?
76PL 2407	63 43	96 55	14	7066592	603284	830	185	183	1.72	0	0	0	1	1	0	0	
76PL 2408	63 44	96 56	14	7068619	602451	886	160	159	1.18	0	0	0	0	0	0	0	
76PL 2409	63 45	96 54	14	7069932	603258		36	36	0.27	0	0	0	0	1	0	0	
76PL 2410	63 46	96 54	14	7071700	603200		69	68	1.44	0	0	0	0	0	0	0	
76PL 2411	63 46	96 55	14	7073139	602980	1602	285	283	1.54	0	0	0	0	2	0	0	CD - ?
76PL 2415	63 50	96 55	14	7079645	602892	754	130	129	1.32	0	0	0	0	0	0	tr?	
76PL 2416	63 51	96 55	14	7081948	602628	944	185	183	2.32	0	0	0	0	0	0	0	
76PL 2417	63 52	96 54	14	7082913	602842	1332	285	283	2.21	0	0	0	0	0	0	0	
76PL 2418	63 53	96 54	14	7084902	602875	1155	290	288	2.02	0	0	0	0	0	0	0	
76PL 2419	63 53	96 54	14	7086394	602929	892	255	253	2.19	0	0	0	0	1	0	0	CD - ?
76PL 2420	63 54	96 55	14	7087675	602094	1259	290	288	1.79	0	0	0	0	0	0	0	
76PL 2423	63 57	96 55	14	7092600	602000		387	383	4.03	0	2	0	17	3	0	tr?	CD - ?; CHR - ang., trig pits?
76PL 2424	63 58	96 55	14	7093907	602037	1515	435	433	2.04	0	0	0	2	0	0	0	CHR - ?
76PL 2425	63 59	96 55	14	7095902	602044	1680	415	412	2.66	0	0	0	0	0	0	0	
76PL 2426	63 59	96 55	14	7097397	601894	1069	300	298	2.01	0	0	0	0	1	0	0	CD - ?
76PL 2427	64 01	96 55	14	7099528	601744	707	120	119	1	0	2	0	11	2	0	0	

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* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 2450	63 36	96 54	14	7054052	603807	1058	205	203	2.1	0	0	0	0	1	0	0	
76PL 2451	63 35	96 54	14	7052457	604507	823	175	173	1.7	0	0	0	0	3	0	0	
76PL 2452	63 34	96 54	14	7050884	604582	1274	180	177	2.93	0	0	0	0	0	0	0	
76PL 2453	63 34	96 54	14	7049340	604478	1303	235	233	2.41	0	5	0	3	8	0	0	
76PL 2504	63 41	96 52	14	7062637	605508	472	190	188	2.23	0	0	0	0	3	0	0	
76PL 2505	63 41	96 51	14	7063879	606266	809	180	178	2.12	0	0	0	0	0	0	0	
76PL 2506	63 42	96 50	14	7065393	606942	883	175	172	2.61	0	0	0	0	1	0	0	
76PL 2507	63 43	96 53	14	7067060	604651	412	95	94	1.11	0	0	0	0	0	0	0	
76PL 2508	63 44	96 53	14	7068686	604728	1325	280	277	2.72	0	1	0	0	4	0	tr?	CD - Likely low Cr
76PL 2509	63 45	96 53	14	7070554	604750	580	120	119	1.33	0	0	0	0	0	0	0	
76PL 2510	63 46	96 53	14	7071630	604683	1187	250	248	2.35	0	0	0	0	2	0	0	
76PL 2511	63 46	96 53	14	7073426	604617	1161	215	213	1.93	0	0	0	0	0	0	tr?	
76PL 2515	63 50	96 52	14	7079440	604906	644	125	124	1.06	0	0	0	0	0	0	0	
76PL 2516	63 51	96 53	14	7081692	604223	1418	430	428	1.59	0	0	0	5	4	cor?	tr?	CD - likely low Cr: CHR - ?
76PL 2517	63 52	96 53	14	7082967	604254	1510	300	297	2.81	0	0	0	0	0	0	0	
76PL 2518	63 52	96 53	14	7084610	604178	741	145	144	1.34	0	0	0	0	1	0	0	
76PL 2519	63 53	96 53	14	7086275	604267	1637	435	433	1.79	0	0	0	1	3	0	0	
76PL 2520	63 54	96 53	14	7088120	603704	1315	280	278	1.59	0	0	0	0	0	0	0	
76PL 2521	63 55	96 53	14	7089376	603735	1003	265	264	1.17	0	0	0	22	0	0	0	CHR - zoned, ang., trigonal pits, ?
76PL 2523	63 57	96 53	14	7092600	603700		416	413	2.78	0	0	0	6	0	0	0	CHR - zoned, ang., trigonal pits, ?
76PL 2524	63 57	96 53	14	7093844	603718	1098	270	268	1.84	0	0	0	3	0	0	0	
76PL 2525	63 59	96 53	14	7095782	603802	603	90	89	0.58	0	0	0	0	0	0	0	
76PL 2526	63 60	96 53	14	7097606	603456	1445	455	454	0.76	0	0	0	0	0	0	0	
76PL 2527	64 01	96 53	14	7099465	603184	600	150	149	1.4	0	0	0	0	0	0	0	
76PL 2550	63 36	96 52	14	7053857	605631	833	300	298	1.65	0	0	0	0	0	0	0	
76PL 2551	63 35	96 52	14	7052447	605919	1072	250	248	1.94	0	0	0	0	0	0	0	
76PL 2552	63 34	96 52	14	7050726	605895	1167	185	183	1.72	0	0	0	0	0	0	0	
76PL 2553	63 33	96 52	14	7049103	606034	1753	300	298	1.63	0	2	0	0	2	0	0	CD - likely low Cr
76PL 2600	63 37	96 50	14	7055416	607134	1267	325	323	1.51	0	0	0	0	0	0	0	
76PL 2601	63 38	96 50	14	7057381	607638	1159	260	260	0.39	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 2603	63 39	96 49	14	7060204	608473	1395	125	125	0.41	0	0	0	0	0	0	0	CHR - ?; CD - likely low Cr, ?
76PL 2604	63 41	96 51	14	7062411	606504	579	145	145	0.4	0	1	0	2	0	0	0	
76PL 2605	63 41	96 49	14	7063840	607895	1268	315	312	2.94	0	0	0	2	0	0	0	
76PL 2606	63 42	96 49	14	7065401	608279	980	225	223	1.57	0	0	0	1	1	0	0	
76PL 2607	63 43	96 50	14	7067073	606776	421	95	94	1.4	0	0	0	0	0	0	0	
76PL 2608	63 44	96 51	14	7068781	606317	1242	250	247	2.63	0	0	0	0	1	0	0	CD - ?
76PL 2609	63 45	96 51	14	7071108	606384	559	140	139	0.64	0	0	0	0	1	sul	0	
76PL 2610	63 46	96 50	14	7072082	607145	1357	310	307	3.03	0	0	0	0	1	0	0	CD - ?
76PL 2615	63 50	96 51	14	7079800	605932	730	150	148	1.97	0	0	0	0	0	0	0	CD - poss. low Cr
76PL 2616	63 51	96 51	14	7081582	605803	1145	275	273	2.26	0	1	0	4	1	0	tr?	
76PL 2617	63 52	96 51	14	7083111	605715	790	140	139	1.19	0	0	0	1	0	0	tr?	
76PL 2618	63 52	96 51	14	7084558	605770	627	150	148	1.67	0	0	0	0	0	0	0	
76PL 2619	63 53	96 51	14	7086450	605320	813	175	174	1.44	0	0	0	1	0	0	0	
76PL 2620	63 54	96 51	14	7088021	605118	1258	340	338	2.35	0	0	0	8	2	0	0	
76PL 2621	63 55	96 51	14	7089321	605085	633	155	154	1.32	0	0	0	5	0	0	0	
76PL 2623	63 57	96 51	14	7092500	605600		517	514	3.49	0	0	0	8	2	0	0	
76PL 2624	63 58	96 52	14	7094479	604853	912	213	212	1.17	0	0	0	8	0	0	0	
76PL 2625	63 58	96 51	14	7095521	605028	1048	199	197	1.63	0	0	0	0	1	0	0	
76PL 2626	63 59	96 51	14	7097655	604983	763	106	105	1.13	0	0	0	0	0	0	0	
76PL 2627	64 01	96 51	14	7099740	604980	664	130	129	1.13	0	0	0	10	0	0	0	
76PL 2650	63 36	96 50	14	7054002	607143	971	189	187	2.12	0	1	0	2	0	0	0	CD - likely low Cr
76PL 2651	63 35	96 50	14	7052296	607284	1030	153	151	1.78	0	0	0	0	1	0	0	
76PL 2652	63 34	96 50	14	7050563	607310	745	190	186	4.28	0	0	0	0	1	0	0	
76PL 2653	63 33	96 50	14	7048999	607563	1590	379	377	1.83	0	1	0	3	2	0	0	
76PL 2700	63 37	96 48	14	7055627	608798	809	182	180	2.07	0	0	0	0	0	0	0	
76PL 2701	63 38	96 48	14	7057449	608770	1057	210	208	2.06	0	0	0	1	0	0	0	CD - 2 good
76PL 2703	63 40	96 46	14	7060670	610159	1271	184	181	2.72	0	1?	0	0	4	0	0	
76PL 2705	63 41	96 47	14	7064178	609926	1084	167	165	1.72	0	0	0	4	8	0	0	CD - likely low Cr; CHR - ?
76PL 2706	63 42	96 47	14	7065271	609770	964	181	179	1.73	0	1	0	3	0	0	0	CD - ?
76PL 2707	63 43	96 49	14	7067019	608228	860	126	124	1.57	0	0	0	1	1	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 2708	63 44	96 49	14	7069162	607928	916	183	181	1.58	0	0	0	0	1	0	0	
76PL 2709	63 45	96 49	14	7070275	607771	1226	170	168	1.53	0	0	0	0	0	0	0	
76PL 2710	63 45	96 49	14	7071427	607651	922	180	178	1.61	0	0	0	1	7	0	0	CD - likely low Cr
76PL 2711	63 46	96 48	14	7073065	608084	760	148	146	1.59	0	0	0	2	1	0	0	
76PL 2716	63 51	96 48	14	7082113	608009	1331	348	345	2.6	0	0	0	3	0	0	0	
76PL 2717	63 52	96 49	14	7082942	607614	722	162	160	1.56	0	0	0	0	0	0	0	
76PL 2718	63 52	96 49	14	7084569	607284	452	100	99	0.91	0	0	0	0	1	0	0	CD - likely low Cr
76PL 2719	63 53	96 49	14	7086285	607016	1176	50	50	0.35	0	0	0	0	0	0	0	
76PL 2720	63 54	96 50	14	7087696	606739	1385	357	354	3.46	0	0	0	2	0	0	0	
76PL 2721	63 55	96 49	14	7090033	607022	837	175	173	1.52	0	0	0	1	0	0	0	
76PL 2722	63 56	96 49	14	7090872	606932		46	46	0.08	0	0	0	0	0	0	0	
76PL 2723	63 57	96 49	14	7092629	607211	1146	223	222	1.39	0	0	0	0	0	0	0	
76PL 2724	63 58	96 49	14	7094252	607033	520	113	112	0.9	0	0	0	3	0	sul	0	
76PL 2725	63 58	96 49	14	7095730	606616	1154	236	231	5.38	0	0	0	9	0	0	0	
76PL 2726	63 60	96 49	14	7097800	606800		264	262	2.48	0	0	0	0	0	0	0	
76PL 2750	63 36	96 48	14	7054047	608835	1123	226	224	2.18	0	2	0	0	2	sul	0	
76PL 2751	63 35	96 48	14	7052474	608910	909	144	141	2.9	0	0	0	0	0	0	0	
76PL 2752	63 34	96 49	14	7050915	608679	1487	296	292	3.7	0	0	0	0	0	0	0	
76PL 2753	63 33	96 48	14	7049151	609152	837	170	169	1.45	0	2	0	0	0	0	0	
76PL 2800	63 37	96 47	14	7055800	610200		152	149	2.8	0	2	0	2	2	0	0	CD - likely low Cr
76PL 2801	63 38	96 47	14	7057462	610004	1156	234	233	1.15	0	0	0	0	0	0	0	
76PL 2802	63 39	96 47	14	7058972	609981	1042	182	179	2.52	0	0	0	0	1	0	tr?	
76PL 2803	63 40	96 45	14	7060755	611532	587	103	101	1.51	0	0	0	1	3	0	0	
76PL 2804	63 40	96 46	14	7062339	610120	1129	239	237	2.24	0	0	0	0	1	0	0	
76PL 2805	63 41	96 45	14	7063769	611549	1508	306	302	3.56	0	1	0	1	0	0	0	
76PL 2806	63 42	96 45	14	7065073	611338	1088	179	177	2.11	0	0	0	1	2	0	0	
76PL 2807	63 43	96 47	14	7066698	609735	619	132	130	1.51	0	0	0	2	5	sul	0	
76PL 2808	63 44	96 47	14	7068227	609291	956	235	232	2.74	0	0	0	0	4	0	tr?	
76PL 2809	63 44	96 47	14	7068869	609549	1082	214	212	2.17	0	0	0	0	2	0	0	CD - ?
76PL 2811	63 47	96 47	14	7073685	609411	1222	215	213	1.65	0	0	0	1	1	sul	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 2815	63 50	96 47	14	7079919	609125	485	106	105	1.13	0	0	0	0	1	0	0	CD - ?
76PL 2817	63 52	96 47	14	7083204	608883	1683	399	395	3.9	0	0	0	3	5	0	0	
76PL 2818	63 53	96 47	14	7084802	608795	1035	253	250	2.82	0	0	0	6	3	0	0	
76PL 2819	63 54	96 47	14	7086864	608585	1497	459	457	1.69	0	0	0	0	0	0	0	
76PL 2820	63 54	96 47	14	7088259	608525	765	179	177	1.82	0	0	0	0	1	0	0	
76PL 2821	63 55	96 47	14	7089137	608474	1016	252	251	1.34	0	1	0	1	0	0	0	
76PL 2823	63 56	96 47	14	7092104	608263	1292	284	282	1.88	0	0	0	0	0	0	0	
76PL 2824	63 58	96 47	14	7094696	608146	1286	366	364	1.92	0	0	0	1	0	sul	0	
76PL 2825	63 59	96 48	14	7096166	607997	1016	171	170	0.89	0	0	0	0	0	0	0	
76PL 2826	64 00	96 48	14	7098762	607940	1754	259	257	1.95	0	0	0	13	0	0	0	
76PL 2850	63 36	96 46	14	7054224	610398	1005	374	371	3.2	0	0	0	0	0	0	0	
76PL 2851	63 35	96 46	14	7052322	610618	806	144	142	1.88	0	0	0	0	0	0	0	
76PL 2852	63 34	96 46	14	7050721	610935	1314	267	264	2.71	0	0	0	0	0	0	0	
76PL 2853	63 33	96 46	14	7048810	610977	540	86	85	1.36	0	0	0	0	0	0	0	
76PL 2900	63 37	96 45	14	7055914	611708	1138	322	319	2.78	0	3	0	1	0	0	0	
76PL 2901	63 38	96 45	14	7057499	611569	1225	256	256	0.31	0	0	0	0	0	0	0	
76PL 2902	63 38	96 45	14	7058521	611350	850	131	131	0.3	0	0	0	0	0	0	0	
76PL 2903	63 40	96 42	14	7061074	613665	846	174	174	0.28	0	0	0	0	5	0	0	
76PL 2904	63 40	96 45	14	7062172	611663	720	140	140	0.3	0	0	0	0	0	0	0	
76PL 2905	63 41	96 43	14	7063600	613200		148	145	3.08	0	0	0	0	14	0	tr?	
76PL 2906	63 42	96 43	14	7064730	613100	605	118	116	1.79	0	0	0	1	0	sul	0	
76PL 2907	63 43	96 45	14	7066718	610995	506	99	98	0.95	0	0	0	1	3	0	0	
76PL 2908	63 44	96 45	14	7069471	611398	1500	289	287	1.6	0	0	0	0	5	0	0	
76PL 2909	63 45	96 45	14	7070566	611330	1323	253	252	1.03	0	1	0	1	1	0	0	
76PL 2910	63 46	96 45	14	7072052	610976	998	139	138	1.25	0	0	0	0	0	0	0	
76PL 2911	63 47	96 45	14	7074179	610880	1093	212	210	1.7	0	2	0	0	1	0	0	
76PL 2915	63 49	96 46	14	7078546	610189	428	91	90	0.8	0	0	0	1	1	sul	0	
76PL 2917	63 52	96 45	14	7083550	610647	988	274	272	1.87	0	0	0	1	3	0	0	
76PL 2919	63 54	96 45	14	7088331	610726	1603	613	613	0.47	0	0	0	0	2	0	0	
76PL 2920	63 54	96 45	14	7088188	610168	811	240	239	0.96	0	0	0	0	1	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 2921	63 55	96 45	14	7088995	609990	1156	353	352	0.6	0	0	0	0	0	0	0	
76PL 2922	63 56	96 45	14	7091193	609931	1130	247	246	1.05	0	0	0	0	0	0	0	
76PL 2923	63 57	96 45	14	7092455	609937	654	145	144	1.02	0	0	0	0	1	0	0	
76PL 2924	63 58	96 46	14	7094330	609641	590	301	301	0.4	0	0	0	0	0	0	0	
76PL 2926	63 60	96 45	14	7097915	609879	904	275	274	0.77	0	0	0	0	2	0	0	
76PL 2950	63 36	96 44	14	7054822	612399	752	124	122	1.88	0	0	0	0	0	0	0	
76PL 2951	63 35	96 45	14	7052281	611688	891	193	191	1.69	0	0	0	0	0	0	0	
76PL 2952	63 34	96 44	14	7050608	612299	1419	287	284	3.16	0	0	0	0	0	0	0	
76PL 2953	63 33	96 44	14	7049386	612407	1175	252	248	4.23	0	0	0	0	0	0	0	
76PL 3004	63 40	96 42	14	7062507	613605	1079	298	296	1.76	0	0	0	0	12	0	0	CD - 8?
76PL 3016	63 51	96 43	14	7081794	612112	1382	366	364	1.82	0	0	0	0	0	0	0	
76PL 3017	63 52	96 43	14	7083208	612421	1135	383	381	1.9	0	0	0	0	0	0	0	
76PL 3018	63 53	96 42	14	7085365	612643	621	223	222	1.05	0	0	0	0	0	0	0	
76PL 3020	63 55	96 44	14	7089371	611207	682	203	202	1.15	0	0	0	0	0	0	0	
76PL 3021	63 55	96 44	14	7090179	611525	905	285	284	1.28	0	0	0	1	0	0	0	
76PL 3022	63 56	96 43	14	7091652	611579		38	38	0.2	0	0	2	0	0	0	0	
76PL 3023	63 57	96 43	14	7092651	611920	1014	336	335	1.39	0	0	0	0	0	0	0	
76PL 3024	63 58	96 43	14	7094738	611735	1318	388	386	1.83	0	0	0	0	2	0	0	
76PL 3025	63 59	96 43	14	7096200	612000		631	629	2.25	0	0	0	1	0	0	0	
76PL 3026	63 59	96 43	14	7097383	611732	1154	283	280	2.55	0	1	0	0	13	0	0	CD - 10?
76PL 3053	63 33	96 43	14	7049296	613566	426	83	82	1.21	0	1	0	0	0	0	0	
76PL 3115	63 50	96 41	14	7080200	613700	560	152	151	1.36	0	0	0	0	0	0	0	
76PL 3116	63 51	96 41	14	7081939	613650	754	194	192	1.68	0	0	0	0	0	0	0	
76PL 3120	63 55	96 42	14	7088800	613000		252	250	2.2	0	0	0	0	0	0	0	
76PL 3153	63 34	96 41	14	7049693	614935	491	91	88	2.52	0	0	0	0	1	0	0	
76PL 3220	63 54	96 40	14	7087955	614474	440	147	146	0.83	0	0	0	9	0	0	0	
76PL 3221	63 55	96 40	14	7089924	614418	1090	273	271	2.45	0	0	0	8	0	0	0	
76PL 3222	63 56	96 40	14	7091300	614500		152	151	1.02	0	0	0	0	0	0	0	
76PL 3253	63 33	96 39	14	7049738	617009	286	42	41	0.87	0	0	0	0	1	0	0	
76PL 3353	63 33	96 37	14	7049674	618664	422	63	62	1.29	0	2	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 3453	63 34	96 35	14	7049989	620059	190	22	22	0.43	0	0	0	0	0	0	0	
76PL 3618	63 53	96 31	14	7085300	621700	1025	350	349	0.64	0	0	0	0	0	0	0	
76PL 3620	63 54	96 31	14	7088485	621949	1164	302	301	0.77	0	0	0	1	1	sul	0	
76PL 3720	63 54	96 29	14	7088276	623684	363	122	122	0.5	0	0	0	0	0	0	0	
76PL 3722	63 56	96 30	14	7091017	622929	998	323	322	1.38	0	0	0	0	4	0	0	
76PL 3818	63 53	96 28	14	7085900	624800	1017	336	335	0.9	0	1	0	0	4	0	tr?	
76PL 3820	63 54	96 27	14	7087813	625040	1163	478	477	0.93	0	0	0	1	2	0	0	
76PL 3821	63 55	96 27	14	7089813	624996	1054	395	393	1.58	0	0	0	0	2	0	0	
76PL 3918	63 52	96 25	14	7085400	626600	1127	330	329	0.62	0	0	0	0	2	0	0	
76PL 3920	63 54	96 26	14	7087384	625746	1510	485	484	1.21	0	1	0	2	0	0	0	
76PL 3921	63 55	96 26	14	7089517	626032	1216	379	377	1.68	0	0	0	0	4	0	0	CD - ?
76PL 4018	63 52	96 23	14	7085500	628200	1165	361	360	1.02	0	0	0	1	2	0	0	
76PL 4020	63 54	96 24	14	7088381	627997	1013	307	306	0.76	0	0	0	0	3	0	0	
76PL 4021	63 55	96 23	14	7089739	628447	1811	438	437	1.24	0	1	0	1	4	sul	0	
76PL 4026	63 59	96 24	14	7097835	627342	1133	389	388	1.44	0	0	0	0	0	0	0	
76PL 4118	63 52	96 20	14	7085300	630700	320	92	92	0.4	0	0	0	0	1	0	0	
76PL 4119	63 53	96 11	14	7086700	638000	556	217	216	0.63	0	0	0	0	2	0	0	
76PL 4120	63 54	96 21	14	7088847	629682	1363	338	337	0.74	0	0	0	0	0	0	0	
76PL 4121	63 55	96 21	14	7090313	629723	1101	323	321	1.58	0	1	0	0	4	0	0	
76PL 4125	63 58	96 22	14	7096403	628764	919	216	214	1.55	0	0	0	0	2	0	0	
76PL 4126	63 59	96 22	14	7098110	629056	1278	305	304	1.45	0	0	0	1	0	0	0	
76PL 4127	64 00	96 22	14	7099728	628529	1389	412	410	1.96	0	0	0	1	0	0	0	
76PL 4153	63 34	96 20	14	7050736	632559	482	85	83	1.57	0	0	0	1	1	1	0	OTH - diamond?
76PL 4218	63 52	96 19	14	7085300	631900	269	95	95	0.41	0	0	0	0	0	0	0	
76PL 4219	63 53	96 18	14	7087200	632200	550	183	182	0.92	0	1	0	0	9	0	0	CD - likely low Cr
76PL 4221	63 55	96 20	14	7090353	631085	1704	612	610	2.46	0	0	0	2	3	0	0	
76PL 4222	63 56	96 19	14	7091297	631566	715	169	168	0.97	0	0	0	1	0	0	0	
76PL 4223	63 56	96 19	14	7092844	631453	1463	386	385	1.05	0	0	0	0	0	0	0	
76PL 4224	63 58	96 20	14	7094972	630975	1108	300	299	1.47	0	0	0	0	0	0	0	
76PL 4225	63 58	96 20	14	7096499	630837	1262	408	406	1.84	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 4226	63 59	96 20	14	7098241	630581	1166	332	331	0.81	0	0	0	0	0	0	0	
76PL 4227	64 00	96 19	14	7100051	631064	1601	492	490	2.35	0	0	0	0	0	0	0	
76PL 4318	63 52	96 17	14	7085300	633400	968	268	267	1.35	0	0	0	0	4	0	0	
76PL 4319	63 53	96 17	14	7087300	633300	576	194	193	0.61	0	0	0	0	1	0	0	
76PL 4320	63 54	96 18	14	7088773	632789	1287	365	364	0.86	0	0	0	0	0	0	0	
76PL 4321	63 55	96 18	14	7089978	632796	1427	368	366	1.75	0	0	0	0	4	0	0	
76PL 4323	63 57	96 17	14	7093993	633180	1034	294	293	1.08	0	0	0	0	0	0	0	
76PL 4324	63 58	96 18	14	7094998	632642	1719	537	535	2.3	0	0	0	1	1	0	0	
76PL 4325	63 58	96 18	14	7096798	632449	993	322	320	1.89	0	0	0	0	0	0	tr?	
76PL 4326	63 59	96 18	14	7098190	632186	947	344	342	1.73	0	0	0	0	0	0	0	
76PL 4327	64 00	96 17	14	7100255	632529	974	317	316	0.97	0	0	0	0	1	0	0	
76PL 4418	63 52	96 15	14	7085700	634800	1209	380	379	0.57	0	0	0	0	0	0	0	
76PL 4419	63 53	96 16	14	7087100	634300	492	184	184	0.29	0	0	0	0	1	0	0	
76PL 4420	63 54	96 15	14	7088585	634599	1475	530	528	1.77	0	0	0	1	0	0	0	
76PL 4421	63 55	96 15	14	7089957	634769	920	315	314	0.94	0	0	0	2	0	0	0	
76PL 4422	63 56	96 16	14	7091652	634335	866	297	295	1.73	0	0	0	0	1	0	0	
76PL 4423	63 57	96 16	14	7093729	634304	1507	462	458	3.95	0	0	0	2	0	0	0	
76PL 4424	63 58	96 15	14	7095135	634498	1041	333	331	1.92	0	0	0	0	1	0	0	
76PL 4425	63 58	96 16	14	7096629	633852	1794	573	570	2.83	0	0	0	0	0	0	0	
76PL 4426	63 59	96 16	14	7098513	633339	1194	417	414	3.32	0	0	0	0	0	0	0	
76PL 4427	64 00	96 15	14	7100459	634044	1721	602	599	3.02	0	0	0	0	0	0	0	
76PL 4518	63 52	96 14	14	7085800	635900	1370	479	478	1.08	0	0	0	0	3	0	0	
76PL 4520	63 54	96 13	14	7088078	636465	942	417	416	1.39	0	0	0	3	0	0	0	
76PL 4521	63 55	96 14	14	7090014	635964	1265	448	446	2.04	0	0	0	1	3	0	0	
76PL 4524	63 58	96 13	14	7095299	636049	1222	342	339	3.32	0	0	0	0	0	0	0	
76PL 4525	63 58	96 13	14	7096833	635936	1248	456	453	2.91	0	0	0	0	0	0	0	
76PL 4526	63 59	96 14	14	7098622	635030	905	342	340	2.29	0	0	0	0	2	0	0	CD - 1 good
76PL 4600	63 37	96 12	14	7056505	639241	1220	365	362	2.9	0	0	0	0	10	0	0	CD - likely some good, pale
76PL 4615	63 50	96 12	14	7080678	637648	1671	575	572	2.57	0	0	0	0	14	0	tr?	CD - likely some good, pale
76PL 4616	63 51	96 11	14	7082535	638192	1098	373	371	1.87	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 4617	63 51	96 12	14	7084023	637978	294	106	105	0.55	0	0	0	0	5	0	0	CD - likely some good, pale
76PL 4618	63 52	96 12	14	7085891	637644	798	212	210	1.93	0	0	0	0	0	0	tr?	
76PL 4619	63 53	96 12	14	7087411	637824	490	181	180	0.84	0	1	0	0	2	0	0	
76PL 4620	63 54	96 11	14	7088338	638014	1654	550	547	3.18	0	0	0	0	3	0	0	
76PL 4621	63 55	96 12	14	7089843	637685	1064	384	382	1.76	0	1	0	2	0	0	0	
76PL 4623	63 57	96 11	14	7093730	637613	1022	269	267	2.24	0	0	0	0	0	0	0	
76PL 4624	63 57	96 12	14	7094965	637123	1382	393	391	2.36	0	0	0	0	0	0	0	
76PL 4625	63 58	96 12	14	7096914	637462	1108	335	332	2.75	0	0	0	0	0	0	0	
76PL 4626	63 59	96 12	14	7098866	637203	1181	461	459	2.04	0	0	0	0	0	0	0	
76PL 4627	64 00	96 12	14	7100089	636543	1356	472	468	3.89	0	0	0	0	0	0	0	
76PL 4650	63 36	96 11	14	7055648	639471	324	77	76	1.17	0	0	0	0	3	0	0	CD - pale
76PL 4651	63 35	96 12	14	7053547	639223	1008	262	259	2.66	0	0	0	0	5	0	0	
76PL 4653	63 33	96 12	14	7050581	639409	442	137	136	1.47	0	0	0	0	1	0	0	
76PL 4700	63 37	96 10	14	7057103	640823	1048	304	301	3.06	0	0	0	0	6	0	tr?	
76PL 4715	63 50	96 10	14	7081430	639698	1192	467	465	1.98	0	0	0	0	7	0	0	
76PL 4717	63 52	96 10	14	7084149	639529	475	147	146	0.81	0	1	0	0	3	0	0	
76PL 4719	63 53	96 09	14	7087733	639690	655	212	211	1.07	0	0	0	0	0	0	0	
76PL 4721	63 55	96 10	14	7090019	639184	1920	610	607	3.35	0	0	0	0	0	0	0	
76PL 4722	63 56	96 10	14	7091690	638866	1106	350	348	1.62	0	0	0	0	0	0	0	
76PL 4723	63 57	96 10	14	7093884	638934	1164	456	454	1.53	0	0	0	0	0	0	0	
76PL 4724	63 58	96 10	14	7095376	638606	845	226	225	1.28	0	0	0	0	1	0	0	
76PL 4725	63 59	96 10	14	7097123	638617	1607	458	456	2.24	0	0	0	0	0	0	0	CD - ?
76PL 4726	63 59	96 10	14	7098536	638901	1287	433	430	2.9	0	0	0	3	0	0	0	
76PL 4727	64 00	96 10	14	7100041	638493	1279	383	381	2.26	0	2	0	0	0	0	0	
76PL 4750	63 36	96 10	14	7055256	640928	570	134	132	1.97	0	0	0	0	3	0	0	
76PL 4751	63 35	96 10	14	7053498	640980	710	225	224	1.42	0	0	0	0	0	0	0	
76PL 4753	63 33	96 10	14	7050488	640861	509	137	135	1.74	0	0	0	0	0	0	0	
76PL 4800	63 36	96 07	14	7056157	642747	875	146	144	2.12	0	0	0	0	11	0	0	
76PL 4815	63 50	96 08	14	7081630	641108	1356	368	367	1.41	0	0	0	0	2	0	0	
76PL 4816	63 51	96 08	14	7083383	641106	1492	385	383	2.05	0	1	0	0	1	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 4817	63 52	96 07	14	7084355	641766	971	296	295	1.15	0	0	0	1	1	0	0	CD - ?
76PL 4818	63 53	96 07	14	7086336	641252	1781	528	526	2.26	0	0	0	0	2	0	0	
76PL 4820	63 54	96 08	14	7088743	640757	1581	423	421	1.56	0	1	0	0	0	0	0	
76PL 4821	63 55	96 07	14	7090882	641017	1192	416	414	1.9	0	2	0	0	0	0	0	
76PL 4822	63 56	96 08	14	7092166	640360	1233	284	282	1.85	0	0	0	0	0	0	0	
76PL 4823	63 57	96 08	14	7093617	640644	1099	373	371	2.19	0	0	0	1	0	0	0	CD - ?
76PL 4824	63 57	96 08	14	7095181	640009	907	165	164	1.08	0	1	0	0	1	0	0	
76PL 4826	63 59	96 08	14	7098579	640033	1122	355	352	2.61	0	0	0	0	0	0	0	
76PL 4827	64 00	96 08	14	7100106	640060	2035	543	540	3.35	0	0	0	0	0	0	0	
76PL 4850	63 36	96 08	14	7055408	642478	226	49	49	0.45	0	1	0	0	3	0	0	
76PL 4851	63 35	96 08	14	7053728	642657	1762	455	454	1.19	0	0	0	0	3	0	0	CD - ?
76PL 4852	63 34	96 08	14	7052331	642576	601	141	139	1.87	0	0	0	1	1	0	0	
76PL 4900	63 37	96 06	14	7056700	644075	1218	331	329	1.89	0	0	0	0	0	0	0	
76PL 4915	63 50	96 06	14	7081592	642763	1545	285	284	1.17	0	0	0	0	2	0	0	
76PL 4916	63 51	96 06	14	7082829	642795	1427	341	340	1.44	0	1	0	2	4	0	0	
76PL 4917	63 52	96 06	14	7084489	642591	554	126	125	0.64	0	0	0	0	6	0	0	CD - ?
76PL 4918	63 53	96 06	14	7086402	642218	1882	350	349	1.12	0	0	0	0	0	0	0	
76PL 4919	63 53	96 06	14	7087665	642301	544	255	254	0.54	0	0	0	0	2	0	0	
76PL 4920	63 54	96 18	14	7087600	632550	1804	425	424	1.08	0	0	0	0	0	0	0	
76PL 4921	63 55	96 06	14	7090665	642204	1117	340	339	0.73	0	0	0	0	1	0	0	
76PL 4922	63 56	96 06	14	7092036	641826	1388	442	441	0.91	0	0	0	0	0	0	0	CD - ?
76PL 4923	63 57	96 06	14	7093783	641927	623	175	174	1.03	0	0	0	0	2	0	0	
76PL 4926	63 59	96 05	14	7098839	642460	1151	294	292	1.68	0	0	0	0	0	0	0	
76PL 4927	64 00	96 05	14	7100359	642608	1723	376	374	2.3	0	0	0	0	0	0	0	
76PL 4950	63 36	96 06	14	7055291	643995	263	59	59	0.43	0	0	0	0	1	0	0	
76PL 4951	63 35	96 06	14	7053840	644144	1526	464	461	2.94	0	1	0	1	2	0	0	CHR - ?
76PL 4952	63 34	96 06	14	7052009	643994	250	60	60	0.29	0	0	0	2	0	0	0	
76PL 4953	63 33	96 06	14	7050640	644473	1134	261	259	2.14	0	0	0	0	8	0	0	
76PL 5015	63 50	96 04	14	7080780	644265	1453	352	350	1.72	0	0	0	0	0	0	0	
76PL 5016	63 50	96 04	14	7082149	644574	1146	303	302	1.25	0	0	0	0	9	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 5017	63 51	96 04	14	7084308	644070	623	204	203	0.94	0	2	0	0	0	0	0	
76PL 5018	63 52	96 04	14	7085822	643894	1052	303	302	0.94	0	0	0	0	1	0	0	
76PL 5019	63 53	96 04	14	7087260	643720	651	213	212	0.92	0	1	0	0	1	0	0	
76PL 5020	63 54	96 04	14	7089178	643728	1524	494	493	0.95	0	0	0	0	0	0	0	
76PL 5021	63 55	96 04	14	7090532	643898	1107	415	414	1.5	0	1	0	1	0	0	0	
76PL 5022	63 56	96 04	14	7091949	643673	991	314	312	1.51	0	0	0	0	0	0	0	
76PL 5023	63 57	96 04	14	7093638	643634	943	324	322	1.68	0	0	0	0	0	0	0	
76PL 5024	63 58	96 04	14	7095488	643326	1792	666	662	3.91	0	0	0	0	0	0	0	
76PL 5025	63 58	96 04	14	7097332	643527	1045	352	349	2.53	0	0	0	0	0	0	0	
76PL 5026	63 59	96 04	14	7098720	643836	2052	646	642	3.59	0	0	0	0	1	0	0	
76PL 5027	64 00	96 04	14	7100479	643818	1825	548	546	2.27	0	0	0	0	0	0	0	
76PL 5050	63 36	96 03	14	7055137	645982	430	74	73	0.91	0	0	0	0	5	0	0	
76PL 5051	63 35	96 04	14	7053515	645816	818	374	368	5.55	0	2	0	0	0	0	0	
76PL 5052	63 34	96 04	14	7052269	645976	865	207	204	2.77	0	0	0	1	6	0	0	
76PL 5053	63 33	96 04	14	7050797	645986	1110	303	299	4.24	0	0	0	0	8	0	0	
76PL 5114	63 49	96 01	14	7079451	646474	1137	375	374	1.47	0	2	0	1	1	0	tr?	
76PL 5115	63 50	96 03	14	7081175	645455	1238	438	436	1.94	0	0	0	0	2	0	0	
76PL 5116	63 50	96 02	14	7082490	646046	1251	395	393	2.4	0	0	0	0	8	0	0	
76PL 5117	63 51	96 02	14	7084262	645598	724	205	204	1.48	0	0	0	0	0	0	0	
76PL 5118	63 52	96 02	14	7085858	645383	1120	399	396	2.83	0	2	0	3	1	0	tr?	
76PL 5119	63 53	96 02	14	7087331	645475	1636	547	542	5.15	0	0	0	0	0	0	0	
76PL 5120	63 54	96 02	14	7089201	645204	411	143	140	2.67	0	1	0	0	1	0	0	
76PL 5121	63 55	96 03	14	7090062	644860	1587	735	733	2.15	0	0	0	0	0	0	0	
76PL 5122	63 56	96 02	14	7092124	645490	1140	389	387	1.81	0	0	0	0	0	0	0	
76PL 5123	63 56	96 02	14	7093653	645441	1308	499	496	3.22	0	0	0	0	1	0	0	
76PL 5124	63 57	96 02	14	7095377	645224	1087	332	331	1.43	0	0	0	0	0	0	0	
76PL 5125	63 58	96 02	14	7097239	645310	1323	453	451	1.64	0	0	0	0	0	0	0	
76PL 5126	63 59	96 01	14	7098977	646047	1231	360	358	2.11	0	1	0	2	1	0	0	
76PL 5150	63 36	96 02	14	7055568	647109	404	111	110	1.47	0	0	0	0	3	0	0	
76PL 5151	63 35	96 02	14	7053473	647192	1966	564	559	5.18	0	0	0	3	19	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 5152	63 34	96 02	14	7052202	647440	500	131	129	1.65	0	0	0	0	0	0	0	
76PL 5153	63 33	96 02	14	7050569	647745	1057	295	290	4.51	0	0	0	0	1	0	0	
76PL 5215	63 50	96 00	14	7081237	647401	1460	548	545	2.92	0	0	0	0	3	0	0	
76PL 5217	63 51	96 00	14	7084408	647238	946	281	279	2.11	0	0	0	0	1	0	0	
76PL 5219	63 53	96 00	14	7087283	647270	1685	586	582	3.78	0	1	0	0	1	0	0	
76PL 5220	63 54	96 01	14	7088913	646800	357	130	129	0.91	0	0	0	0	0	0	0	
76PL 5223	63 57	96 00	14	7093800	647000	811	231	229	2.06	0	0	0	0	0	0	0	
76PL 5224	63 57	96 00	15	7095164	353047	1202	406	403	2.81	0	0	0	0	1	0	0	
76PL 5225	63 58	95 60	15	7097154	353381	826	321	319	1.75	0	0	0	0	0	0	0	
76PL 5226	63 60	95 60	15	7099583	353510	1102	355	353	1.96	0	0	0	0	0	0	0	
76PL 5227	64 00	96 00	14	7100771	646404	1420	458	456	2.42	0	0	0	0	0	0	0	
76PL 5250	63 36	95 60	15	7055399	351255	220	54	53	0.53	0	0	0	0	0	0	0	
76PL 5251	63 35	95 60	15	7053936	351241	1018	271	268	2.73	0	0	0	0	0	0	0	
76PL 5252	63 34	95 60	15	7052715	351113	1227	368	365	2.67	0	0	0	0	0	0	0	
76PL 5253	63 33	95 59	15	7050176	351502	1261	344	341	2.74	0	1	0	0	5	0	0	
76PL 5314	63 49	95 58	15	7079577	354062	1306	370	368	1.7	0	0	0	0	1	0	0	
76PL 5315	63 50	95 58	15	7081170	353789	1169	320	319	1.36	0	0	0	0	2	0	0	
76PL 5317	63 51	95 58	15	7083988	353937	573	138	137	0.55	0	0	0	0	0	0	0	
76PL 5318	63 52	95 58	15	7085257	354374	1870	571	570	0.86	0	0	0	0	1	0	0	
76PL 5319	63 53	95 58	15	7087329	354343	1690	549	547	1.89	1	0	0	1	0	0	0	PYR - ?
76PL 5320	63 54	95 58	15	7089240	354240	609	216	215	0.93	0	0	0	0	0	0	0	
76PL 5321	63 55	95 58	15	7090982	354294	1064	403	401	1.94	0	0	0	0	0	0	0	
76PL 5323	63 57	95 58	15	7094023	354467	967	318	316	1.73	0	0	0	0	0	0	0	
76PL 5324	63 57	95 58	15	7095506	354583	1430	461	459	2.15	0	0	0	0	0	0	0	
76PL 5325	63 58	95 58	15	7097280	354639	1353	408	406	1.92	0	0	0	0	0	0	0	
76PL 5326	63 60	95 58	15	7099458	354920	1400	355	353	2.05	0	0	0	1	0	0	0	
76PL 5327	64 00	95 59	15	7101072	354051	489	426	424	2.08	0	0	0	0	0	0	0	
76PL 5350	63 36	95 58	15	7055681	352852	481	103	102	1.12	0	0	0	0	0	0	0	
76PL 5351	63 35	95 58	15	7053973	352979	467	192	189	3.01	0	0	0	0	1	0	0	
76PL 5352	63 34	95 58	15	7052367	352766	1617	108	106	1.6	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 5353	63 33	95 58	15	7050260	352846	1723	439	437	2.28	0	0	0	0	0	0	0	
76PL 5414	63 49	95 56	15	7079657	355597	1924	285	284	1.11	0	0	0	0	0	0	0	
76PL 5415	63 50	95 56	15	7080959	355385	1858	567	566	1.37	0	2	0	0	0	0	0	
76PL 5416	63 51	95 57	15	7082760	355174	707	458	455	3.17	0	1	0	1	0	0	0	
76PL 5417	63 51	95 56	15	7084020	355419	1271	205	204	1.38	0	0	0	0	0	0	0	
76PL 5419	63 53	95 55	15	7087329	356691	617	515	513	1.75	0	0	0	0	0	0	0	
76PL 5420	63 54	95 56	15	7089014	356129	1001	205	204	1.24	0	0	0	0	1	0	0	
76PL 5421	63 55	95 55	15	7090876	356585	893	275	273	2.3	0	0	0	0	2	0	0	CD - likely low Cr
76PL 5422	63 56	95 55	15	7092547	356775	994	242	240	1.7	0	0	0	0	0	0	0	
76PL 5423	63 56	95 55	15	7093171	357191	958	430	426	3.79	0	0	0	0	0	0	0	1 BL?
76PL 5424	63 58	95 57	15	7095880	355739	1825	235	234	1.45	0	0	0	2	0	0	0	CHR - ?
76PL 5425	63 58	95 57	15	7097361	355791	1846	448	445	3.15	0	0	0	0	1	0	0	CD - likely low Cr
76PL 5427	64 00	95 56	15	7100639	356467	333	590	587	3.33	0	0	0	0	0	0	0	
76PL 5450	63 36	95 56	15	7055278	354694		92	91	1.15	0	0	0	0	1	0	0	
76PL 5452	63 34	95 56	15	7051639	354604	407	117	116	1.42	0	0	0	0	0	0	0	
76PL 5514	63 49	95 54	15	7079486	357158	809	258	256	1.59	0	0	0	0	0	0	0	
76PL 5515	63 50	95 54	15	7081026	357061	1551	530	527	3.04	0	0	0	0	0	0	0	
76PL 5516	63 51	95 55	15	7082577	356862	582	196	195	1.08	0	0	0	0	0	0	0	
76PL 5517	63 52	95 54	15	7084424	357227	352	108	107	0.57	0	0	0	0	0	0	0	
76PL 5518	63 52	95 53	15	7085659	357943	1015	299	297	1.98	0	0	0	0	0	0	0	
76PL 5519	63 53	95 54	15	7087421	357857	1134	417	415	1.58	0	0	0	0	0	0	0	
76PL 5520	63 54	95 54	15	7088732	357480	859	265	263	2.02	0	0	0	0	0	0	0	
76PL 5521	63 55	95 54	15	7090651	358079	1061	363	361	2.16	0	0	0	0	0	0	0	
76PL 5523	63 56	95 53	15	7093434	358660	943	302	300	1.93	0	0	0	0	0	0	0	
76PL 5525	63 59	95 54	15	7097320	357806	1518	489	487	1.56	0	0	0	0	0	0	0	
76PL 5527	64 00	95 54	15	7100834	358185	1609	489	487	1.78	0	0	0	0	0	0	0	
76PL 5550	63 36	95 54	15	7055211	356094	250	110	110	0.4	0	0	0	0	0	0	0	
76PL 5551	63 35	95 54	15	7053566	355777	986	300	298	2.49	0	0	0	0	0	0	0	
76PL 5552	63 34	95 54	15	7051728	355948	1136	366	363	3.47	0	0	0	0	1	0	0	
76PL 5553	63 33	95 54	15	7050045	355630	730	179	177	2.5	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 5615	63 49	95 52	15	7080327	358938	1596	597	594	2.74	0	0	0	0	0	0	0	
76PL 5616	63 50	95 52	15	7081600	358928	369	125	124	1.01	0	0	0	0	0	0	0	
76PL 5617	63 51	95 52	15	7084065	359097	1464	91	88	3.38	0	0	0	1	0	0	0	
76PL 5618	63 52	95 52	15	7085692	359400	1040	312	310	1.51	0	0	0	0	0	0	0	
76PL 5619	63 53	95 52	15	7087288	359075	931	261	259	2.05	0	0	0	0	0	0	0	
76PL 5620	63 54	95 52	15	7088288	359141	367	136	135	1.28	0	0	0	0	0	0	0	
76PL 5621	63 55	95 52	15	7091109	359226	880	292	290	1.96	0	0	0	0	0	0	0	
76PL 5622	63 56	95 52	15	7091807	359327	1145	359	357	2.24	0	0	0	0	0	0	0	
76PL 5624	63 58	95 52	15	7095418	359594	1589	636	633	2.84	0	0	0	0	0	0	0	
76PL 5625	63 58	95 53	15	7096730	358821	1116	315	313	1.89	0	0	0	0	0	0	0	
76PL 5650	63 36	95 52	15	7055207	357650	325	93	92	0.66	0	0	0	0	2	0	0	
76PL 5651	63 35	95 53	15	7053707	356984	748	178	171	7.35	0	0	0	0	0	0	0	
76PL 5653	63 33	95 53	15	7050216	357132	828	264	261	2.85	0	0	0	0	5	0	0	
76PL 5715	63 49	95 50	15	7079963	360412	894	314	312	1.64	0	0	0	0	0	0	0	
76PL 5716	63 50	95 50	15	7081684	360745	523	196	194	1.56	0	0	0	0	0	0	0	
76PL 5717	63 51	95 50	15	7083959	360508	997	288	286	2.33	0	0	0	0	0	0	0	
76PL 5718	63 52	95 50	15	7085650	361184	1185	422	420	2.25	0	0	0	0	0	0	0	
76PL 5719	63 53	95 50	15	7087324	360966	1735	642	637	4.73	0	0	0	0	0	0	0	
76PL 5720	63 54	95 50	15	7089300	361070	742	243	241	2.37	0	0	0	0	0	0	0	
76PL 5721	63 55	95 50	15	7089917	360643	1407	469	465	3.53	0	0	0	3	0	0	0	CHR - ?
76PL 5723	63 57	95 50	15	7093560	361014	1312	414	410	4.38	0	0	0	0	0	0	0	
76PL 5724	63 58	95 50	15	7095423	360972	1144	369	366	2.8	0	0	0	0	0	0	0	
76PL 5725	63 59	95 51	15	7097516	360304	1753	563	557	6.09	0	0	0	0	0	0	0	
76PL 5727	64 00	95 50	15	7100336	361579	1774	537	532	5.07	0	0	0	0	0	0	0	
76PL 5750	63 36	95 51	15	7055178	358951	392	128	127	1.28	0	0	0	0	0	0	0	
76PL 5751	63 35	95 51	15	7053380	358601	1038	252	249	2.8	0	0	0	0	0	0	0	
76PL 5752	63 34	95 50	15	7051832	358991	551	170	168	1.64	0	0	0	0	2	0	0	CD - likely low Cr
76PL 5753	63 33	95 50	15	7050249	359201	1308	397	392	4.91	0	0	0	0	2	0	0	
76PL 5814	63 48	95 47	15	7078307	363119	934	325	322	3.25	0	3	0	0	0	0	0	
76PL 5815	63 49	95 47	15	7079265	362889	1442	649	645	4.04	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 5816	63 50	95 47	15	7081428	362952	682	203	201	2.45	0	0	0	0	0	0	0	
76PL 5817	63 51	95 48	15	7083582	362351	749	234	232	2.36	0	0	0	0	2	0	0	
76PL 5818	63 53	95 48	15	7085977	362401	1171	420	416	4.11	0	1	0	0	1	0	0	
76PL 5819	63 54	95 48	15	7088034	362790	1440	393	390	3.25	0	2	0	0	0	0	0	
76PL 5820	63 54	95 48	15	7088740	362253	904	375	372	2.67	0	0	0	0	0	0	0	
76PL 5821	63 55	95 48	15	7090828	362657	1647	398	394	3.77	0	0	0	0	0	0	0	
76PL 5822	63 56	95 48	15	7092095	362519	1371	452	449	2.98	0	0	0	0	0	0	0	
76PL 5823	63 57	95 48	15	7093550	362686	1660	428	426	2.35	0	0	0	0	0	0	0	
76PL 5824	63 58	95 49	15	7095613	362475	1154	402	399	2.89	0	0	0	0	0	0	0	
76PL 5826	63 59	95 49	15	7098627	362545	1009	289	286	3.24	0	0	0	0	0	0	0	
76PL 5827	64 00	95 49	15	7100071	362600	1758	535	529	5.8	0	0	0	0	0	0	0	
76PL 5850	63 36	95 49	15	7054935	360533	387	86	85	0.96	0	0	0	0	0	0	0	
76PL 5851	63 35	95 48	15	7053140	360642	1290	355	352	3.44	0	0	0	0	0	0	0	
76PL 5852	63 34	95 49	15	7051576	360343	557	138	136	2.13	0	0	0	0	2	0	0	
76PL 5853	63 33	95 48	15	7050470	361088	1208	355	352	2.6	0	0	0	0	1	0	0	
76PL 5914	63 49	95 44	15	7078489	365017	1072	264	261	2.56	0	0	0	0	0	0	0	
76PL 5915	63 49	95 46	15	7080019	364001	1308	438	435	2.7	0	0	0	0	0	0	0	
76PL 5916	63 50	95 46	15	7081508	364003	473	141	140	1.41	0	0	0	0	0	0	0	
76PL 5917	63 51	95 46	15	7083441	363964	620	118	117	0.97	0	0	0	0	0	0	0	
76PL 5918	63 52	95 46	15	7085148	364207	1915	664	659	5	0	0	0	0	3	0	0	CD - likely low Cr
76PL 5919	63 53	95 47	15	7087383	363624	1222	423	419	3.83	0	0	0	1	0	0	0	CHR - ?
76PL 5920	63 54	95 46	15	7089206	364103	1394	517	514	3.5	0	0	0	0	0	0	0	
76PL 5921	63 55	95 46	15	7090354	364035	1436	412	409	2.61	0	0	0	1	0	0	0	
76PL 5922	63 56	95 47	15	7092095	363859	893	250	248	1.73	0	0	0	0	0	0	0	
76PL 5923	63 57	95 47	15	7093631	363953	1534	404	402	2.4	0	0	0	0	0	0	0	
76PL 5924	63 57	95 46	15	7095066	364501	1616	472	469	3.25	0	0	0	0	0	0	0	
76PL 5950	63 36	95 47	15	7055330	361804	467	132	131	0.54	0	0	0	0	0	0	0	
76PL 5951	63 35	95 47	15	7053763	361696	933	284	282	2.09	0	0	0	0	0	0	0	
76PL 5952	63 34	95 46	15	7051416	362325	563	140	139	1	0	0	0	0	0	0	0	
76PL 5953	63 33	95 46	15	7050148	362858	623	190	189	1.35	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 6024	63 57	95 44	15	7095035	365725	716	223	221	2.01	0	0	0	0	0	0	0	
76PL 6025	63 58	95 44	15	7096215	366131	879	260	258	1.84	0	0	0	0	0	0	0	
76PL 6027	63 60	95 44	15	7099604	365991	1305	392	390	2	0	0	0	0	0	0	0	
76PL 6050	63 36	95 45	15	7055011	363740	376	90	89	0.62	0	0	0	0	0	0	0	
76PL 6051	63 35	95 45	15	7053647	363311	678	168	167	0.89	0	0	0	0	0	0	0	
76PL 6052	63 34	95 45	15	7051350	363457	1162	367	365	2.01	0	0	0	0	0	0	0	
76PL 6053	63 33	95 44	15	7049815	364346	1412	364	362	1.64	0	0	0	0	0	0	0	
76PL 6124	63 58	95 42	15	7095218	367482	778	244	242	1.74	0	0	0	0	0	0	0	
76PL 6125	63 58	95 42	15	7096391	367544	949	255	253	2.05	0	0	0	0	0	0	0	
76PL 6126	63 59	95 43	15	7097504	367412	1220	380	378	1.78	0	0	0	0	0	0	0	
76PL 6127	63 60	95 43	15	7098977	366864	1861	565	562	3.2	0	0	0	0	0	0	0	
76PL 6224	63 58	95 40	15	7095192	369331	880	284	282	1.85	0	0	0	0	0	0	0	
76PL 6225	63 59	95 40	15	7096888	369179	1702	479	477	1.97	0	0	0	0	0	0	0	
76PL 6226	63 59	95 41	15	7098055	369112	427	123	122	0.58	0	0	0	0	0	0	0	
76PL 6227	63 60	95 40	15	7098876	369909	978	290	288	1.92	0	0	0	0	0	0	0	
76PL 6324	63 58	95 38	15	7094918	370797	694	219	218	1.39	0	0	0	0	0	0	0	
76PL 6325	63 59	95 38	15	7096792	371011	686	173	172	1.22	0	0	0	0	0	0	0	
76PL 6424	63 58	95 36	15	7095297	372476	573	166	165	0.97	0	0	0	0	0	0	0	
76PL 6425	63 58	95 36	15	7096600	372600	1103	277	275	1.58	0	0	0	0	0	0	0	
76PL 6426	63 59	95 36	15	7098024	372658	1674	490	488	1.8	0	0	0	0	0	0	0	
76PL 6427	64 00	95 37	15	7099630	372437	1131	358	356	1.74	0	1	0	0	0	0	0	
76PL 6524	63 58	95 34	15	7095154	374357	795	240	238	1.97	0	0	0	0	0	0	0	
76PL 6624	63 58	95 32	15	7095054	376037	719	181	180	1.24	0	0	0	0	0	0	0	
76PL 6625	63 59	95 32	15	7096968	375627	1278	445	444	1.5	0	0	0	0	0	0	0	
76PL 6626	63 60	95 32	15	7098357	376453	337	115	114	1.22	0	0	0	0	0	0	0	
76PL 6627	63 60	95 32	15	7099017	375927	1447	336	332	3.6	0	0	0	0	0	0	0	
76PL 6724	63 58	95 30	15	7094820	377466	591	150	149	1.49	0	0	0	0	0	0	0	
76PL 6725	63 59	95 31	15	7096776	377225	1129	279	276	3.38	0	0	0	0	0	0	0	
76PL 6726	63 59	95 30	15	7097849	377358	487	155	153	1.78	0	0	0	0	0	0	0	
76PL 6727	64 00	95 31	15	7099496	376805	986	295	292	3.47	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 6824	63 58	95 28	15	7094741	378981	821	259	256	3.08	0	0	0	0	0	0	0	
76PL 6825	63 59	95 28	15	7096364	379602	869	247	243	3.82	0	0	0	0	0	0	0	
76PL 6826	63 60	95 29	15	7098359	378610	1243	351	347	4.11	0	0	0	0	0	0	0	
76PL 6827	64 00	95 29	15	7099479	378539	1149	363	359	4.48	0	0	0	0	0	0	0	
76PL 6924	63 58	95 27	15	7094785	379863	838	236	234	2.31	0	0	0	0	0	0	0	
76PL 6925	63 58	95 26	15	7096225	380692	1294	286	283	2.97	0	0	0	0	0	0	0	
76PL 6926	63 59	95 27	15	7097720	380095	455	143	141	1.57	0	0	0	0	0	0	0	
76PL 6927	64 00	95 26	15	7099584	380788	1202	357	354	3.24	0	0	0	0	0	0	0	
76PL 7024	63 58	95 25	15	7095452	381290	1011	282	279	3.33	0	0	0	0	0	0	0	
76PL 7025	63 59	95 25	15	7096393	382003	982	288	285	2.59	0	0	0	0	0	0	0	
76PL 7026	63 59	95 25	15	7097747	382023	327	101	100	1.19	0	0	0	0	0	0	0	
76PL 7027	64 00	95 25	15	7099571	382152	1664	459	455	4.4	0	0	0	0	0	0	0	
76PL 7124	63 58	95 23	15	7094848	383070	1049	246	243	3	0	0	0	0	0	0	0	
76PL 7125	63 59	95 23	15	7096282	383401	1195	327	324	2.74	0	0	0	0	0	0	0	
76PL 7127	64 00	95 23	15	7099669	383483	1583	418	414	4.05	0	0	0	0	0	0	0	
76PL 7224	63 58	95 21	15	7094758	384788	643	137	135	1.81	0	0	0	0	0	0	0	
76PL 7225	63 59	95 21	15	7096146	385270	951	287	284	3.19	0	0	0	0	0	0	0	
76PL 7226	63 59	95 21	15	7097654	385400	474	136	134	1.57	0	0	0	0	0	0	0	
76PL 7227	64 00	95 21	15	7099465	385386	1475	412	409	3.16	0	0	0	0	0	0	0	
76PL 7324	63 58	95 19	15	7094403	386824	658	184	182	1.86	0	0	0	0	0	0	0	
76PL 7325	63 59	95 19	15	7096228	386882	998	285	281	3.83	0	0	0	0	0	0	0	
76PL 7326	63 59	95 19	15	7097577	386889	415	93	92	1.07	0	0	0	0	0	0	0	
76PL 7327	64 00	95 19	15	7099557	386704	1522	470	464	6.04	0	0	0	0	0	0	0	
76PL 7424	63 58	95 17	15	7094393	388367	584	152	151	1.38	0	0	0	0	1	0	0	
76PL 7425	63 59	95 17	15	7096064	388073	1184	393	391	1.91	0	0	0	0	0	0	0	
76PL 7426	63 59	95 16	15	7097263	388863	336	84	83	0.93	0	0	0	0	0	0	0	
76PL 7427	64 00	95 17	15	7099413	388279	1745	455	451	4.01	0	1	0	1	0	0	0	
76PL 7524	63 58	95 14	15	7094983	390300	994	248	246	1.86	0	0	0	0	0	0	0	
76PL 7525	63 58	95 15	15	7095851	389835	2085	413	409	4	0	0	0	0	0	0	0	
76PL 7526	63 59	95 15	15	7097498	390126	554	175	173	1.85	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 7527	64 00	95 15	15	7099355	390202	1367	395	391	3.76	0	2	0	0	1	0	0	CD - likely low Cr
76PL 7602	63 39	95 13	15	7059083	390154	1054	353	350	2.75	0	0	0	0	0	0	0	
76PL 7603	63 40	95 13	15	7060748	390229	2084	685	681	4.38	0	0	0	0	0	0	0	
76PL 7604	63 40	95 13	15	7062133	390519	889	252	250	2.12	0	0	0	0	0	0	0	
76PL 7620	63 54	95 13	15	7087729	390887	1400	344	342	1.94	0	0	0	0	1	0	0	
76PL 7621	63 55	95 13	15	7089001	391120	1234	296	294	1.72	0	0	0	0	0	0	0	CD - likely low Cr
76PL 7624	63 58	95 13	15	7095247	391245	1300	210	209	1.49	0	0	0	0	0	0	0	
76PL 7625	63 59	95 13	15	7096137	391713	1582	324	322	1.99	0	2	0	0	1	0	0	
76PL 7626	63 59	95 12	15	7097723	392065	479	88	87	0.71	0	2	0	1	0	0	0	
76PL 7627	64 00	95 12	15	7099522	392225	2096	467	464	2.54	0	0	0	0	0	0	0	
76PL 7702	63 39	95 11	15	7058877	391661	1532	447	444	3.09	0	0	0	0	0	0	0	
76PL 7703	63 40	95 12	15	7060668	391399	1320	432	430	2.46	0	0	0	0	0	0	0	
76PL 7704	63 40	95 11	15	7061992	392107	1404	437	433	3.74	0	0	0	0	0	0	0	
76PL 7720	63 54	95 11	15	7087724	393056	1360	300	297	3.36	0	0	0	0	0	0	0	
76PL 7721	63 55	95 11	15	7089037	393138	767	169	167	1.58	0	0	0	0	0	0	0	
76PL 7722	63 56	95 11	15	7091450	392844	854	134	133	1.46	0	1	0	0	1	0	0	
76PL 7724	63 58	95 11	15	7094133	393114	994	175	172	2.92	0	0	0	0	0	0	0	
76PL 7725	63 59	95 11	15	7095943	393107	1370	293	290	3.04	0	0	0	0	0	0	0	
76PL 7726	63 59	95 10	15	7097375	393706	513	129	128	1.45	0	0	0	0	0	0	0	
76PL 7802	63 39	95 09	15	7058849	393306	1861	316	314	1.74	0	0	0	0	0	0	0	
76PL 7803	63 40	95 09	15	7060660	393504	1523	499	494	5	0	2	0	0	0	0	0	
76PL 7804	63 40	95 09	15	7062141	393671	1036	310	307	2.62	0	0	0	0	0	0	0	
76PL 7820	63 54	95 09	15	7087696	394714	1527	324	320	3.62	0	0	0	0	0	0	0	
76PL 7821	63 55	95 09	15	7089139	394611	365	101	100	1.32	0	0	0	0	0	0	tr?	
76PL 7822	63 56	95 09	15	7091731	394314	943	267	264	2.81	0	1	0	0	0	0	0	
76PL 7823	63 57	95 09	15	7092698	394773	1396	267	264	2.74	0	0	0	0	0	0	tr?	
76PL 7824	63 58	95 09	15	7094061	394616	939	185	182	2.53	0	0	0	0	0	0	0	
76PL 7825	63 58	95 09	15	7095571	394721	1096	279	276	2.66	0	2	0	0	0	0	0	
76PL 7827	64 00	95 09	15	7098824	395113	1116	311	308	3.18	0	0	0	0	0	0	0	
76PL 7902	63 39	95 07	15	7058867	394787	1818	531	526	4.86	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 7903	63 40	95 07	15	7060661	395201	1675	471	468	3.12	0	0	0	0	3	0	0	
76PL 7920	63 54	95 07	15	7087621	395896	1673	445	441	3.68	0	1	0	0	0	0	0	
76PL 7921	63 55	95 07	15	7089981	396008	1532	357	352	4.55	0	3	0	0	1	0	0	
76PL 7922	63 56	95 08	15	7091638	395355	1325	332	329	2.98	0	0	0	0	1	0	0	
76PL 7923	63 57	95 06	15	7092180	396749	680	103	102	1.47	0	0	0	0	0	1	0	OTH - diamond?
76PL 7924	63 57	95 07	15	7093847	396276	1216	266	263	3.25	0	0	0	0	0	1	0	OTH - diamond?
76PL 7925	63 58	95 07	15	7095628	396447	1189	318	315	3.2	0	2	0	0	0	0	0	
76PL 7927	64 00	95 07	15	7098735	396881	1633	487	481	6.31	0	0	0	0	0	0	0	
76PL 8002	63 39	95 05	15	7058738	396529	1191	260	258	2.48	0	1	0	0	1	1	0	OTH - diamond?
76PL 8003	63 39	95 06	15	7060215	396403	1814	486	482	3.76	0	0	0	0	0	0	0	
76PL 8004	63 40	95 05	15	7062029	396562	1430	434	430	3.64	0	0	0	0	2	0	0	
76PL 8022	63 56	95 05	15	7090857	397726	879	264	259	5.02	0	0	0	0	0	0	0	
76PL 8023	63 56	95 05	15	7091882	398048	1674	447	442	4.74	0	1	0	0	1	0	0	
76PL 8025	63 59	95 04	15	7095706	398633	1191	296	291	4.55	0	1	0	0	4	0	0	
76PL 8027	64 00	95 04	15	7099048	398796	1158	356	350	5.63	0	0	0	0	0	0	0	
76PL 8102	63 39	95 03	15	7058824	398320	1465	355	353	2.03	0	0	0	0	0	0	0	
76PL 8103	63 39	95 03	15	7060150	398147	1647	641	636	4.63	0	2	0	0	1	0	0	
76PL 8104	63 40	95 04	15	7062245	398067	1817	570	566	3.9	0	0	0	0	0	0	0	
76PL 8120	63 54	95 03	15	7087930	399550	1820	460	456	3.79	0	2	0	0	3	0	0	CD - pale
76PL 8121	63 55	95 03	15	7089616	399817	1067	271	268	3.42	0	0	0	0	0	0	0	
76PL 8122	63 56	95 03	15	7090967	399786	990	274	270	3.58	0	0	0	0	0	0	0	
76PL 8123	63 57	95 03	15	7092247	399509	1010	390	385	4.92	0	9	0	0	1	0	0	
76PL 8124	63 58	95 03	15	7093881	399672	860	224	222	2.16	0	2	0	0	0	0	0	
76PL 8125	63 58	95 02	15	7095448	400163	1648	517	513	3.65	0	0	0	0	0	0	0	
76PL 8127	64 00	95 02	15	7098752	400351	1017	525	522	3.25	0	3	0	0	0	0	0	
76PL 8202	63 39	95 01	15	7058837	399801	1078	316	315	1.48	0	0	0	0	1	0	0	
76PL 8203	63 40	95 02	15	7060363	399703	1498	438	434	3.83	0	0	0	0	1	0	0	
76PL 8204	63 40	95 01	15	7062144	400001	1804	508	505	3.42	0	2	0	1	2	0	0	
76PL 8205	63 41	95 01	15	7063767	399895	1135	314	312	2.42	0	0	0	1	0	0	0	
76PL 8220	63 54	95 01	15	7087807	401164	1848	449	444	4.98	0	1	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 8221	63 55	95 01	15	7089574	400747	1486	380	376	4.28	0	0	0	0	2	0	0	
76PL 8222	63 56	95 01	15	7091019	401001	890	414	413	1.29	0	0	0	0	0	0	0	
76PL 8223	63 57	95 01	15	7092253	401105	692	192	190	2.05	0	0	0	0	0	0	0	
76PL 8224	63 58	95 01	15	7093852	400857	1000	269	266	2.95	0	1	0	0	0	0	0	
76PL 8225	63 59	95 00	15	7095889	401743	1501	380	374	5.54	0	1	0	0	0	0	0	
76PL 8227	64 00	95 01	15	7098789	401462	1458	386	383	2.78	0	0	0	0	0	0	0	
76PL 8302	63 39	94 60	15	7058915	401119	1202	336	333	2.56	0	0	0	0	0	0	0	
76PL 8303	63 39	94 60	15	7060219	401124	1351	465	461	3.78	0	4	0	0	0	0	0	
76PL 8304	63 41	94 59	15	7062449	401510	1579	450	449	1.14	0	0	0	0	0	0	0	
76PL 8305	63 41	94 60	15	7063696	401384	1441	348	346	1.57	0	0	0	0	0	0	0	
76PL 8321	63 55	94 60	15	7088989	402158	1014	196	194	1.61	0	1	0	0	0	0	0	
76PL 8322	63 56	94 59	15	7090338	402663	687	177	174	3.28	0	0	0	0	0	0	0	
76PL 8323	63 57	94 59	15	7092290	402498	849	290	286	3.62	0	0	0	0	0	0	0	
76PL 8324	63 58	94 60	15	7093933	402355	564	113	111	2.08	0	3	0	0	0	0	0	
76PL 8325	63 59	94 59	15	7095735	403114	1570	439	435	4.43	0	0	0	0	0	0	0	
76PL 8327	64 00	94 59	15	7098970	402643	1361	516	512	3.84	0	6	0	0	0	0	tr?	
76PL 8402	63 39	94 58	15	7058572	402684	1168	352	349	2.77	0	0	0	0	1	0	0	
76PL 8403	63 40	94 58	15	7060240	403052	1059	314	311	2.91	0	0	0	0	0	0	0	
76PL 8404	63 40	94 57	15	7061906	403345	1667	355	353	2.17	0	0	0	0	0	0	0	
76PL 8420	63 54	94 57	15	7087435	404143	1448	362	360	2.09	0	0	0	0	0	0	0	
76PL 8421	63 55	94 57	15	7088504	404123	1274	335	330	4.6	0	0	0	0	0	0	0	
76PL 8422	63 56	94 57	15	7090588	404233	485	140	136	3.57	0	2	0	0	0	0	0	
76PL 8423	63 57	94 58	15	7092039	403748	1310	352	348	3.55	0	4	0	0	1	0	0	
76PL 8424	63 57	94 58	15	7093627	403947	982	335	328	6.99	0	0	0	0	0	0	0	
76PL 8425	63 59	94 57	15	7095832	404688	1944	495	487	7.59	0	1	0	0	1	0	0	
76PL 8427	64 00	94 57	15	7098939	404682	1099	243	240	3.13	0	0	0	0	0	0	0	
76PL 8503	63 39	94 56	15	7060130	404310	1256	369	368	0.96	0	1	0	0	0	0	0	
76PL 8504	63 40	94 56	15	7061567	404577	1530	377	375	1.81	0	0	0	0	1	0	0	
76PL 8520	63 54	94 55	15	7086925	405839	1778	436	433	3.11	0	3	0	0	1	0	0	
76PL 8521	63 55	94 55	15	7088641	405904	1324	343	339	3.91	0	2	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 8522	63 56	94 55	15	7090631	405869	1302	308	305	3.33	0	5	0	0	1	0	0	
76PL 8523	63 57	94 55	15	7091882	405667	740	123	122	0.91	0	0	0	0	0	0	0	
76PL 8524	63 57	94 56	15	7093528	405600	1276	299	291	7.54	0	0	0	0	0	0	0	
76PL 8525	63 59	94 55	15	7095616	406259	1609	409	402	6.83	0	11	0	1	0	0	0	
76PL 8526	63 60	94 55	15	7097472	406217	1075	264	257	6.57	0	10	0	0	0	0	0	
76PL 8527	64 00	94 55	15	7098948	406124	1036	280	268	12.48	0	0	0	0	0	0	0	
76PL 8602	63 39	94 54	15	7058570	406027	1853	453	448	5.35	0	3	0	0	1	0	0	
76PL 8603	63 40	94 54	15	7060161	406162	1427	356	353	3.24	0	0	0	0	0	0	0	
76PL 8604	63 41	94 54	15	7062153	406101	1155	300	296	3.56	0	0	0	1	1	0	0	
76PL 8606	63 42	94 54	15	7064813	406203	1309	331	327	4.07	0	3	0	0	0	0	0	
76PL 8607	63 43	94 54	15	7066401	405904	1592	468	463	5.22	0	1	0	0	2	0	0	
76PL 8620	63 54	94 53	15	7086320	407759	1050	275	272	3.22	0	0	0	0	0	0	0	
76PL 8621	63 55	94 53	15	7088806	407521	1141	313	309	3.58	0	0	0	0	0	0	0	
76PL 8622	63 56	94 53	15	7090425	407491	1130	277	273	4.26	0	0	0	0	0	0	0	
76PL 8623	63 57	94 53	15	7091981	407573	837	174	170	4.14	0	0	0	0	0	0	tr?	
76PL 8624	63 57	94 53	15	7093413	407815	736	149	145	3.88	0	0	0	0	0	0	0	
76PL 8625	63 58	94 53	15	7095273	407824	1482	334	329	4.71	0	0	0	0	0	0	0	
76PL 8627	64 00	94 53	15	7098529	407979	1369	306	296	9.68	0	0	0	0	0	0	0	
76PL 8702	63 39	94 52	15	7058502	407465	1229	319	315	3.51	0	5	0	0	0	0	0	
76PL 8703	63 40	94 52	15	7060346	407397	1461	467	462	5	0	4	0	0	0	0	0	
76PL 8704	63 40	94 52	15	7061710	407482	1059	325	322	3.23	0	0	0	0	0	0	0	
76PL 8706	63 42	94 52	15	7064842	407609	1939	481	476	4.77	0	1	0	0	0	0	0	
76PL 8707	63 43	94 52	15	7066865	407805	1314	400	397	2.61	0	0	0	0	0	0	0	
76PL 8720	63 54	94 51	15	7086541	409290	1624	402	398	4.12	0	0	0	0	0	0	0	
76PL 8721	63 55	94 52	15	7088914	408636	1232	380	378	2.41	0	0	0	0	1	0	0	
76PL 8722	63 56	94 51	15	7090586	409439	642	135	132	2.65	0	2	0	0	0	0	0	
76PL 8724	63 58	94 51	15	7093502	409657	859	181	178	2.91	0	0	0	0	0	0	0	
76PL 8725	63 59	94 51	15	7095407	409426	1144	288	284	3.94	0	0	0	0	0	0	0	
76PL 8726	64 00	94 52	15	7098541	409089	1628	441	431	10.43	0	6	0	0	0	0	0	
76PL 8727	63 60	94 51	15	7097259	409460	1179	306	299	7.36	0	0	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 8803	63 40	94 50	15	7060359	408878	1346	382	377	4.69	0	4	0	1	1	0	0	
76PL 8806	63 42	94 50	15	7064362	409332	1287	364	360	3.77	0	0	0	0	0	0	0	
76PL 8807	63 43	94 50	15	7066907	409326	1655	447	443	3.56	0	0	0	0	0	0	0	
76PL 8820	63 54	94 49	15	7087085	410492	1474	387	380	7.44	0	0	0	0	0	0	0	
76PL 8821	63 55	94 50	15	7088750	410440	1227	375	371	3.8	0	8	0	0	0	0	0	
76PL 8822	63 56	94 49	15	7090492	410634	1375	402	397	5.43	0	0	0	0	0	0	0	
76PL 8824	63 58	94 49	15	7094106	410837	666	133	130	2.8	0	0	0	0	0	0	0	
76PL 8825	63 58	94 49	15	7095189	410895	1218	403	396	7.49	0	12	0	0	0	0	0	
76PL 8827	64 00	94 49	15	7098236	411243	1483	353	347	5.8	0	1	0	0	2	0	0	
76PL 8902	63 39	94 49	15	7058546	410428	1849	558	554	4.42	0	0	0	0	1	0	0	
76PL 8903	63 40	94 48	15	7060850	411111	1412	490	485	5.26	0	5	0	0	0	0	0	
76PL 8904	63 41	94 48	15	7061854	411228	1225	374	370	4.34	0	0	0	0	0	0	0	
76PL 8906	63 42	94 48	15	7064522	411293	1360	398	395	3.42	0	0	0	0	0	0	0	
76PL 8907	63 43	94 48	15	7066417	411380	1372	402	398	3.96	0	1	0	0	1	0	0	
76PL 8920	63 54	94 47	15	7086945	412080	1289	328	323	5.48	0	0	0	0	0	0	0	
76PL 8921	63 55	94 48	15	7088881	412106	1410	407	401	5.78	0	1	0	0	0	0	0	
76PL 8922	63 56	94 47	15	7090487	412191	834	204	200	3.89	0	2	0	0	1	0	0	
76PL 8924	63 57	94 48	15	7093304	412237	1066	279	276	3.42	0	1	0	1	0	0	tr?	
76PL 8925	63 58	94 47	15	7095093	412370	1342	322	318	4.03	0	5	0	0	0	0	0	
76PL 8926	63 59	94 46	15	7096388	413293	1867	449	446	3.34	0	2	0	0	0	0	0	
76PL 8927	64 00	94 47	15	7098110	413129	1027	182	178	3.53	0	0	0	0	0	0	0	
76PL 9002	63 39	94 45	15	7058459	413193	1019	377	375	1.91	0	0	0	0	0	0	0	
76PL 9003	63 40	94 46	15	7060329	412883	1203	413	409	3.77	0	1	0	0	2	0	0	CD - ?
76PL 9004	63 40	94 46	15	7061755	412512	1904	574	570	3.66	0	0	0	0	0	0	0	
76PL 9006	63 42	94 46	15	7064629	412932	1297	456	455	1.2	0	0	0	0	0	0	0	
76PL 9007	63 43	94 46	15	7066428	412886	1104	298	297	1.15	0	0	0	0	1	0	0	
76PL 9020	63 54	94 45	15	7087193	413956	1427	355	353	2.42	0	0	0	0	0	0	0	
76PL 9021	63 55	94 46	15	7088691	413295	851	268	265	3.2	0	0	0	0	0	0	0	
76PL 9022	63 56	94 45	15	7090496	413990	1609	346	344	2.11	0	2	0	0	0	0	0	
76PL 9024	63 57	94 45	15	7093235	414046	975	160	159	1.48	0	3	0	0	0	0	0	

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76PL 9025	63 58	94 45	15	7094704	414200	1401	367	364	2.77	0	2	0	0	0	0	0	
76PL 9026	63 59	94 45	15	7096625	414633	1621	378	374	3.97	0	5	0	0	1	0	0	
76PL 9027	64 00	94 45	15	7098010	414680	1241	301	296	5.45	0	0	0	0	0	0	0	
76PL 9102	63 39	94 44	15	7058355	414221	1532	440	437	2.53	0	0	0	0	0	0	0	
76PL 9103	63 40	94 44	15	7060101	413943	1864	511	509	1.57	0	0	0	0	0	0	0	
76PL 9104	63 40	94 44	15	7061633	414126	1840	605	602	2.71	0	0	0	0	0	0	0	
76PL 9107	63 43	94 44	15	7066532	414321	1204	316	314	1.77	0	1	0	0	3	0	0	
76PL 9120	63 54	94 44	15	7086988	415183	1535	356	353	2.53	0	0	0	0	0	0	0	
76PL 9121	63 55	94 43	15	7088396	415653	897	191	190	1.24	0	0	0	0	0	0	0	
76PL 9122	63 56	94 45	15	7090142	414520	1286	315	313	1.55	0	1	0	0	0	0	0	
76PL 9124	63 57	94 43	15	7093109	415609	1330	257	256	0.54	0	0	0	0	0	0	0	
76PL 9125	63 58	94 43	15	7094447	415820	1267	264	263	0.65	0	0	0	0	0	0	0	
76PL 9126	63 59	94 42	15	7096175	416638	1150	201	200	0.85	0	0	0	0	0	0	0	
76PL 9127	63 60	94 43	15	7097933	416399	1278	371	371	0.4	0	0	0	0	0	0	0	
75KY 0001	63 49	97 04	14	7077671	594827	1142	286	283	3.06	0	0	0	0	5	0	0	duplicate split of 7501 1914
75KY 0002	63 49	97 03	14	7078387	596300	1382	359	356	2.63	0	0	0	0	1	0	0	duplicate split of 7501 2014
75KY 0003	63 49	96 57	14	7078466	600911	1189	319	315	4.1	0	0	0	0	0	0	0	duplicate split of 7501 2314
75KY 0004	63 49	96 53	14	7078300	604300	860	209	206	2.68	0	0	0	0	3	0	0	duplicate split of 7501 2514
75KY 0005	63 48	96 47	14	7076920	609215	1147	322	319	3.08	0	0	0	0	5	0	0	duplicate split of 7501 2813
75KY 0006	63 41	96 43	14	7064094	612965	832	164	163	1.11	0	0	0	0	1	0	0	duplicate split of 7501 3005
75KY 0007	63 42	96 43	14	7065506	612950	962	249	246	2.71	0	5	0	0	9	0	0	duplicate split of 7501 3006
75KY 0008	63 45	96 44	14	7071799	612088	1168	315	310	4.79	0	2	0	0	2	0	0	duplicate split of 7501 3010
75KY 0009	63 38	96 41	14	7058000	614700	832	176	172	3.63	0	0	0	0	0	0	0	duplicate split of 7501 3101
75KY 0010	63 45	96 41	14	7071929	614118	967	223	218	4.87	0	0	0	0	4	0	0	duplicate split of 7501 3110
75KY 0011	63 41	96 39	14	7064139	616167	690	163	160	2.63	0	0	0	0	3	0	0	duplicate split of 7501 3205
75KY 0012	63 45	96 39	14	7071967	615744	1024	338	334	4.44	0	0	0	0	0	0	0	duplicate split of 7501 3210
75KY 0013	63 47	96 39	14	7075372	615816	849	254	252	2.35	0	0	0	0	2	0	0	duplicate split of 7501 3212
75KY 0014	63 45	96 36	14	7072027	618120	1099	292	289	3.09	0	1	0	0	3	0	0	duplicate split of 7501 3310
75KY 0015	63 49	96 35	14	7078201	618937	1014	120	119	1.26	0	0	0	0	1	0	0	duplicate split of 7501 3413

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
75KY 0016	63 47	96 32	14	7075381	621408	866	124	123	1.21	0	1	0	1	1	0	0	duplicate split of 7501 3512
75KY 0017	63 42	96 31	14	7065939	622536	635	188	184	4.14	0	0	0	0	0	0	0	duplicate split of 7501 3606
75KY 0018	63 48	96 31	14	7077153	622186	945	408	406	2.02	0	1	0	0	1	0	0	duplicate split of 7501 3613
75KY 0019	63 42	96 29	14	7066016	624492	860	857	852	5.31	0	1	0	0	1	0	0	duplicate split of 7501 3706
75KY 0020	63 52	96 29	14	7083578	623838	1036	673	672	0.75	0	0	0	0	0	0	0	duplicate split of 7501 3717
75KY 0021	63 40	96 27	14	7062811	626157	943	291	288	2.88	0	0	0	0	1	0	0	duplicate split of 7501 3804
75KY 0022	63 42	96 25	14	7066124	627705	676	241	238	2.63	0	0	0	0	1	0	0	duplicate split of 7501 3906
75KY 0023	63 42	96 23	14	7066266	629087	735	96	95	1.16	0	0	0	0	0	0	0	duplicate split of 7501 4006
75KY 0024	63 50	96 23	14	7080390	628565	1140	569	567	2.22	0	2	0	0	0	0	0	duplicate split of 7501 4015
75KY 0025	63 51	96 21	14	7082248	630206	841	363	362	1.29	0	0	0	0	0	0	0	duplicate split of 7501 4116
75KY 0026	63 46	96 19	14	7072742	632326	618	362	359	2.91	0	1	1	0	3	0	0	duplicate split of 7501 4210
75KY 0027	63 46	96 17	14	7072785	633812	733	388	386	2.05	0	0	0	0	0	0	0	duplicate split of 7501 4310
75KY 0028	63 43	96 16	14	7067720	635349	918	251	243	8.18	0	0	0	0	3	0	0	duplicate split of 7501 4407
75KY 0029	63 36	96 15	14	7055118	636298	634	267	261	5.64	0	1	1	0	2	0	0	duplicate split of 7501 4450
75KY 0030	63 51	96 14	14	7082912	635759	499	203	202	1.02	0	1	1	0	3	0	0	duplicate split of 7501 4516
75KY 0031	63 39	96 12	14	7060981	638762	662	300	297	3.28	0	0	0	0	4	0	0	duplicate split of 7501 4602
75KY 0032	63 39	96 08	14	7060297	641762	694	290	286	3.52	0	1	0	0	2	0	0	duplicate split of 7501 4802
75KY 0033	63 39	96 06	14	7060200	643594	976	376	373	3.13	0	0	0	0	4	0	0	duplicate split of 7501 4902
75KY 0034	63 39	96 04	14	7060361	644989	574	237	233	3.71	0	0	0	0	0	0	0	duplicate split of 7501 5002
75KY 0035	63 46	96 02	14	7074534	645952	699	406	404	2.04	0	0	0	0	4	0	0	duplicate split of 7501 5111
75KY 0036	63 46	96 00	15	7074641	352001	720	312	311	1.17	0	0	0	0	2	0	0	duplicate split of 7501 5211
75KY 0037	63 47	95 58	15	7075963	353729	648	416	414	2.44	0	0	0	0	3	0	0	duplicate split of 7501 5312
75KY 0038	63 46	95 56	15	7074648	355288	847	354	352	2.19	0	1	0	0	3	0	0	duplicate split of 7501 5411
75KY 0039	63 46	95 52	15	7074345	358890	843	376	373	2.73	0	0	0	0	0	0	0	duplicate split of 7501 5611
75KY 0040	63 38	95 50	15	7059831	359746	654	300	295	5.1	0	0	0	0	3	0	0	duplicate split of 7501 5702
75KY 0041	63 46	95 46	15	7074032	363383	855	400	397	2.68	0	1	1	0	4	0	0	duplicate split of 7501 5911
75KY 0042	63 47	95 43	15	7076009	366178	838	396	392	4.18	0	0	0	0	0	0	0	duplicate split of 7501 6112
75KY 0043	63 41	95 39	15	7064379	369332	729	313	311	2.22	0	0	0	0	0	0	0	duplicate split of 7501 6305
75KY 0044	63 39	95 35	15	7061307	372286	525	215	214	1.31	0	1	0	0	3	0	0	duplicate split of 7501 6503
75KY 0045	63 41	95 32	15	7064300	374449	882	429	420	9.39	0	0	0	0	0	0	0	duplicate split of 7501 6605

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
75KY 0046	63 49	95 29	15	7078449	378108	619	343	341	1.68	0	0	0	0	0	0	0	duplicate split of 7501 6814
75KY 0047	63 40	95 21	15	7062566	384012	864	444	442	2.09	0	0	0	0	0	0	0	duplicate split of 7501 7204
75KY 0048	63 47	95 15	15	7075426	389334	689	329	325	4.21	0	0	1	0	0	0	0	duplicate split of 7501 7405
75KY 0049	63 52	95 11	15	7083509	392728	703	275	273	1.89	0	0	0	0	0	0	0	duplicate split of 7501 7512
75KY 0050	63 52	95 11	15	7083509	392728	1018	366	364	2.47	0	1	0	0	1	0	0	duplicate split of 7501 7717
75KY 0051	63 45	95 09	15	7070240	393550	582	186	185	0.9	0	2	0	0	0	0	0	duplicate split of 7501 7809
75KY 0052	63 43	95 04	15	7066948	398085	656	200	198	2.16	0	2	0	0	0	0	0	duplicate split of 7501 8107
75KY 0053	63 44	94 60	15	7068357	401385	819	347	344	2.9	0	0	0	0	0	0	0	duplicate split of 7501 8308
75KY 0054	63 42	94 58	15	7065154	403097	696	213	211	1.92	0	0	0	0	0	0	0	duplicate split of 7501 8406
75KY 0055	63 52	94 53	15	7082500	407186	589	297	293	3.97	0	0	0	0	0	0	0	duplicate split of 7501 8617
75KY 0056	63 50	94 50	15	7080459	409774	861	354	353	1.35	0	2	0	0	0	0	0	duplicate split of 7501 8816
75KY 0057	63 45	94 46	15	7069596	412994	571	291	289	1.88	0	1	0	0	0	0	0	duplicate split of 7501 9009
75KY 0058	63 45	94 44	15	7069584	414395	774	279	277	2.34	0	0	0	0	0	0	0	duplicate split of 7501 9109
76KY 0001	63 53	97 13	14	7084161	587499	843	197	195	1.65	0	0	0	0	0	0	0	duplicate split of 76PL 1518
76KY 0002	63 59	97 11	14	7096678	589190	986	334	331	2.84	0	0	0	0	0	0	0	duplicate split of 76PL 1626
76KY 0003	63 59	97 09	14	7096091	590790	812	191	189	2.24	0	0	0	2	0	0	0	duplicate split of 76PL 1726
76KY 0004	63 44	97 04	14	7068095	595331	761	183	181	2.22	1?	1	0	0	1	0	0	duplicate split of 76PL 1908
76KY 0005	63 53	97 04	14	7086055	594584	1195	336	332	4.46	0	0	0	0	0	0	0	duplicate split of 76PL 1919
76KY 0006	63 54	97 05	14	7087402	594309	1148	356	354	2.25	0	0	0	0	0	0	0	duplicate split of 76PL 2020
76KY 0007	63 54	97 01	14	7086423	597366	927	209	207	2.24	0	0	0	0	0	0	0	duplicate split of 76PL 2119
76KY 0008	63 46	96 58	14	7071753	600264	719	156	154	2.3	0	2	0	0	8	0	0	duplicate split of 76PL 2210
76KY 0009	63 40	96 54	14	7060707	604303	834	173	170	3.45	0	0	0	0	1	0	0	duplicate split of 76PL 2403
76KY 0010	63 41	96 51	14	7063879	606266	863	204	201	3.16	0	2	0	0	3	0	0	duplicate split of 76PL 2505
76KY 0011	63 59	96 51	14	7097655	604983	801	168	166	1.97	0	2	0	0	3	0	0	duplicate split of 76PL 2626
76KY 0012	63 52	96 49	14	7082942	607614	969	218	215	3.02	0	0	0	0	2	0	0	duplicate split of 76PL 2717
76KY 0013	63 42	96 45	14	7065073	611338	827	157	154	2.98	0	0	0	0	2	0	0	duplicate split of 76PL 2806
76KY 0014	63 40	96 42	14	7061074	613665	763	172	169	3.23	0	0	0	0	3	0	0	duplicate split of 76PL 2903
76KY 0015	63 56	96 30	14	7091017	622929	875	218	217	1.35	0	0	0	0	3	0	0	duplicate split of 76PL 3722
76KY 0016	63 58	96 22	14	7096403	628764	1082	347	344	3.14	0	1	0	1	1	0	0	duplicate split of 76PL 4125

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

* Specific Gravity ≥ 2.96

Table A1. Sample Location and Visual Identification - Baker Lake Area

Sample number	Lat	Long	UTM			Weight (g)				Indicator Heavy Minerals (0.25-1mm)							Remarks
			Zone	North	East	Total Sample	.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%	
76KY 0017	63 52	96 17	14	7085300	633400	1101	322	319	2.82	0	0	0	0	10	0	0	duplicate split of 76PL 4318
76KY 0018	63 55	96 14	14	7090014	635964	965	413	411	1.83	0	0	0	0	0	0	0	duplicate split of 76PL 4521
76KY 0019	63 36	96 07	14	7056157	642747	748	177	174	2.93	0	0	0	0	5	0	0	duplicate split of 76PL 4800
76KY 0020	63 52	96 04	14	7085822	643894	1000	305	302	2.55	0	0	0	0	1	0	0	duplicate split of 76PL 5018
76KY 0021	63 49	96 01	14	7079451	646474	1327	439	436	3.06	0	1	0	0	4	0	0	duplicate split of 76PL 5114
76KY 0022	63 50	95 58	15	7081170	353789	1207	284	281	2.77	0	0	0	0	0	0	0	duplicate split of 76PL 5315
76KY 0023	63 53	95 54	15	7087421	357857	983	343	340	3.29	0	0	0	0	0	0	0	duplicate split of 76PL 5519
76KY 0024	63 52	95 52	15	7085692	359400	1200	460	455	4.96	0	2	0	0	0	0	0	duplicate split of 76PL 5618
76KY 0025	63 59	95 49	15	7098627	362545	761	218	215	2.6	0	1	0	0	0	0	0	duplicate split of 76PL 5826
76KY 0026	63 49	95 46	15	7080019	364001	1095	387	384	3.26	0	0	0	0	2	0	0	duplicate split of 76PL 5915
76KY 0027	64 00	95 31	15	7099496	376805	1305	404	399	4.66	0	0	0	0	0	0	0	duplicate split of 76PL 6727
76KY 0028	63 59	95 21	15	7096146	385270	895	253	250	3.18	0	0	0	0	0	0	0	duplicate split of 76PL 7225
76KY 0029	63 40	95 13	15	7062133	390519	1289	373	369	4.26	0	1	0	0	0	0	0	duplicate split of 76PL 7604
76KY 0030	63 40	95 09	15	7062141	393671	1091	280	277	2.8	0	0	0	0	0	0	0	duplicate split of 76PL 7804
76KY 0031	63 39	95 05	15	7058738	396529	1134	287	284	2.83	0	0	0	0	0	0	0	duplicate split of 76PL 8002
76KY 0032	63 40	94 58	15	7060240	403052	1221	341	338	2.71	0	4	0	0	1	0	0	duplicate split of 76PL 8403
76KY 0033	63 39	94 56	15	7060130	404310	1123	356	353	3.03	0	0	0	0	0	0	0	duplicate split of 76PL 8503
76KY 0034	63 40	94 52	15	7061710	407482	1035	257	254	2.67	0	0	0	0	0	0	0	duplicate split of 76PL 8704
76KY 0035	63 40	94 50	15	7060359	408878	1032	264	260	3.74	0	2	0	0	0	0	0	duplicate split of 76PL 8803
76KY 0036	63 40	94 46	15	7060329	412883	914	298	295	2.82	0	0	0	0	0	0	0	duplicate split of 76PL 9003

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

* Specific Gravity ≥ 2.96

Table A2. Microprobe Results - Baker Lake Area

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														
7501 1512	63 47	97 12	14	7074539	588611	1	2	0.14	0.52	1.35	3.66	53.93	0.13	22.43	1.10	17.84	101.11	CP	Cr-diopside
7501 1512	63 47	97 12	14	7074539	588611	1	1	0.56	0.00	21.63	32.02	38.05	0.17	5.26	0.05	3.63	101.36	GA	almandine
7501 1612	63 47	97 10	14	7074157	590233	1	5	0.19	0.31	0.76	4.90	55.42	0.22	22.83	0.02	16.56	101.21	CP	diopside
7501 1612	63 47	97 10	14	7074157	590233	1	6	0.08	0.00	24.73	11.65	38.91	0.18	23.46	0.00	0.04	99.05	CP	grossular
7501 1612	63 47	97 10	14	7074157	590233	1	3	0.80	0.00	20.52	25.33	37.74	0.22	15.03	0.09	0.17	99.89	GA	almandine
7501 1612	63 47	97 10	14	7074157	590233	1	4	0.37	0.00	0.21	89.37	0.00	0.17	0.02	0.12	0.00	90.26	IL	hematite
7501 1613	63 48	97 11	14	7075897	589741	1	7	0.06	0.85	2.25	4.46	53.11	0.17	23.11	0.35	15.03	99.40	CP	diopside
7501 1614	63 49	97 10	14	7078004	590131	1	8	0.14	0.18	1.38	4.39	52.47	0.30	22.87	0.32	16.63	98.68	CP	diopside
7501 1614	63 49	97 10	14	7078004	590131	1	9	0.14	0.41	0.69	3.51	53.51	0.27	23.54	0.54	16.72	99.33	CP	Cr-diopside
7501 1615	63 50	97 10	14	7079467	590153	1	10	0.20	0.29	0.98	4.12	54.97	0.22	21.88	0.41	18.24	101.30	CP	diopside
7501 1713	63 48	97 08	14	7076330	591702	1	12	0.18	0.27	0.76	3.32	53.90	0.19	23.04	0.25	17.64	99.55	CP	diopside
7501 1713	63 48	97 08	14	7076330	591702	1	11	0.47	0.01	21.56	19.94	40.25	0.36	12.17	0.20	6.26	101.24	GA	almandine
7501 1812	63 47	97 06	14	7074098	593627	1	13	0.02	0.35	0.80	3.35	54.91	0.31	23.22	0.46	17.83	101.24	CP	diopside
7501 1812	63 47	97 06	14	7074098	593627	1	14	0.17	0.33	1.21	3.71	54.22	0.16	21.66	0.75	18.49	100.68	CP	Cr-diopside
7501 1812	63 47	97 06	14	7074098	593627	1	15	0.20	0.54	0.60	3.06	54.65	0.19	22.94	0.28	18.14	100.60	CP	diopside
7501 1813	63 48	97 06	14	7076465	593352	1	20	0.05	0.45	0.84	3.13	54.48	0.21	22.93	0.66	17.29	100.04	CP	Cr-diopside
7501 1813	63 48	97 06	14	7076465	593352	1	21	0.14	0.53	1.92	3.49	53.81	0.24	21.19	0.88	18.08	100.28	CP	Cr-diopside
7501 1813	63 48	97 06	14	7076465	593352	1	22	0.11	0.46	0.99	4.21	53.63	0.24	22.10	0.08	17.44	99.27	CP	diopside
7501 1813	63 48	97 06	14	7076465	593352	1	16	1.13	0.00	21.69	20.87	39.35	0.23	9.22	0.06	8.43	100.98	GA	almandine
7501 1813	63 48	97 06	14	7076465	593352	1	17	0.57	0.00	21.52	24.01	38.40	0.24	10.87	0.13	4.56	100.29	GA	almandine
7501 1813	63 48	97 06	14	7076465	593352	1	18	0.82	0.11	21.31	25.54	37.99	0.17	11.24	0.03	2.72	99.93	GA	almandine
7501 1813	63 48	97 06	14	7076465	593352	1	19	11.35	0.00	20.24	28.14	37.30	0.15	0.83	0.06	2.13	100.21	GA	almandine
7501 1814	63 49	97 06	14	7077919	593221	1	23	0.18	0.30	0.62	4.07	53.75	0.27	22.76	0.41	18.48	100.85	CP	diopside
7501 1912	63 47	97 04	14	7074058	595471	1	24	0.14	0.59	0.93	2.87	54.68	0.19	22.66	0.59	17.33	99.97	CP	Cr-diopside
7501 1912	63 47	97 04	14	7074058	595471	1	25	0.15	0.47	1.02	4.02	55.02	0.27	22.09	0.22	16.89	100.15	CP	diopside
7501 1912	63 47	97 04	14	7074058	595471	1	26	0.11	0.51	0.70	3.53	56.29	0.25	23.13	0.30	16.21	101.02	CP	diopside
7501 1912	63 47	97 04	14	7074058	595471	1	27	0.13	0.35	0.39	3.51	54.64	0.22	23.23	0.14	17.27	99.88	CP	diopside
7501 1912	63 47	97 04	14	7074058	595471	1	28	0.12	0.56	1.30	3.95	55.10	0.21	22.43	0.28	17.57	101.54	CP	diopside
7501 1913	63 48	97 05	14	7076366	594751	1	29	0.05	0.30	1.78	4.51	53.63	0.18	22.11	0.65	17.66	100.86	CP	Cr-diopside
7501 1913	63 48	97 05	14	7076366	594751	1	30	0.12	0.89	0.66	4.47	54.62	0.27	23.18	0.08	15.48	99.78	CP	diopside
7501 1914	63 49	97 04	14	7077671	594827	1	37	0.14	0.44	0.68	3.31	54.22	0.29	23.64	0.50	17.31	100.52	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 1914	63 49	97 04	14	7077671	594827	1	38	0.15	0.55	0.73	3.94	54.49	0.17	22.49	0.16	17.69	100.37	CP	diopside
7501 1914	63 49	97 04	14	7077671	594827	1	39	0.09	0.27	1.08	4.24	53.87	0.23	21.95	0.18	17.11	99.03	CP	diopside
7501 1914	63 49	97 04	14	7077671	594827	1	40	0.26	0.38	0.91	4.07	53.33	0.19	22.80	0.31	17.81	100.06	CP	diopside
7501 1914	63 49	97 04	14	7077671	594827	1	31	0.14	0.12	0.85	3.54	54.66	0.17	23.08	0.07	18.51	101.13	CP	diopside
7501 1914	63 49	97 04	14	7077671	594827	1	32	0.15	0.59	1.03	3.36	54.08	0.22	22.61	0.62	17.43	100.10	CP	Cr-diopside
7501 1914	63 49	97 04	14	7077671	594827	1	33	0.20	0.27	0.75	3.70	52.90	0.32	22.81	0.36	18.06	99.36	CP	diopside
7501 1914	63 49	97 04	14	7077671	594827	1	34	0.15	0.36	0.96	2.72	52.84	0.20	23.83	0.92	16.72	98.71	CP	Cr-diopside
7501 1914	63 49	97 04	14	7077671	594827	1	35	0.14	0.38	1.34	4.10	53.68	0.20	22.71	0.31	16.72	99.58	CP	diopside
7501 1914	63 49	97 04	14	7077671	594827	1	36	0.08	0.51	1.18	3.38	53.96	0.23	22.50	0.37	18.49	100.70	CP	diopside
7501 2012	63 47	97 02	14	7074559	596656	1	41	0.14	0.36	0.66	3.19	54.29	0.12	23.10	0.14	18.42	100.43	CP	diopside
7501 2012	63 47	97 02	14	7074559	596656	1	42	0.14	0.41	0.94	3.61	54.05	0.27	23.65	0.58	17.62	101.26	CP	Cr-diopside
7501 2013	63 48	97 02	14	7076299	597180	1	44	0.08	0.29	0.91	3.62	54.15	0.26	23.41	0.49	17.81	101.02	CP	diopside
7501 2013	63 48	97 02	14	7076299	597180	1	45	0.20	0.50	0.76	3.40	53.79	0.26	23.76	0.59	17.75	101.01	CP	Cr-diopside
7501 2013	63 48	97 02	14	7076299	597180	1	46	0.11	0.32	1.25	3.86	54.50	0.20	21.81	0.40	17.99	100.43	CP	diopside
7501 2013	63 48	97 02	14	7076299	597180	1	47	0.18	0.29	0.84	3.66	54.33	0.21	23.16	0.19	17.52	100.36	CP	diopside
7501 2013	63 48	97 02	14	7076299	597180	1	48	0.11	0.30	0.76	2.77	53.56	0.19	23.44	0.18	17.84	99.14	CP	diopside
7501 2013	63 48	97 02	14	7076299	597180	1	43	0.40	0.00	20.33	21.60	39.34	0.15	10.05	0.07	6.91	98.84	GA	almandine
7501 2112	63 47	97 00	14	7074734	598444	1	49	0.20	0.27	0.78	3.64	53.66	0.28	23.14	0.35	17.92	100.22	CP	diopside
7501 2113	63 48	97 00	14	7076329	598374	1	50	0.11	0.33	0.99	4.01	53.91	0.19	22.69	0.28	16.37	98.89	CP	diopside
7501 2113	63 48	97 00	14	7076329	598374	1	51	0.14	0.19	0.63	3.07	54.94	0.25	23.44	0.29	17.92	100.86	CP	diopside
7501 2114	63 49	97 00	14	7078248	598260	1	58	0.17	0.33	1.04	3.19	54.10	0.23	22.88	0.57	17.84	100.36	CP	Cr-diopside
7501 2114	63 49	97 00	14	7078248	598260	1	59	0.17	0.32	0.66	3.45	55.05	0.29	23.04	0.43	17.03	100.44	CP	diopside
7501 2114	63 49	97 00	14	7078248	598260	1	60	0.09	0.33	0.61	3.34	52.89	0.23	23.17	0.47	17.41	98.55	CP	diopside
7501 2114	63 49	97 00	14	7078248	598260	1	61	0.17	0.30	0.60	3.87	54.31	0.18	21.89	0.39	18.32	100.03	CP	diopside
7501 2114	63 49	97 00	14	7078248	598260	1	57	0.14	0.47	1.95	3.84	53.45	0.16	22.28	0.58	17.21	100.07	CP	Cr-diopside
7501 2114	63 49	97 00	14	7078248	598260	1	52	0.88	0.03	20.77	23.51	38.44	0.19	10.86	0.09	4.76	99.53	GA	almandine
7501 2114	63 49	97 00	14	7078248	598260	1	53	0.29	0.00	20.41	33.23	37.42	0.17	7.50	0.09	0.98	100.08	GA	almandine
7501 2114	63 49	97 00	14	7078248	598260	1	54	0.71	0.00	21.31	28.82	37.92	0.38	6.82	0.09	4.22	100.26	GA	almandine
7501 2114	63 49	97 00	14	7078248	598260	1	55	0.82	0.09	22.04	23.23	38.86	0.49	11.51	0.02	4.30	101.36	GA	almandine
7501 2114	63 49	97 00	14	7078248	598260	1	56	1.05	0.00	20.92	23.59	38.81	0.30	12.54	0.09	3.48	100.79	GA	almandine
7501 2212	63 47	96 59	14	7074532	599452	1	62	0.12	0.36	0.64	3.03	54.43	0.23	22.77	0.66	17.79	100.03	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 2213	63 48	96 58	14	7076262	599761	1	65	0.15	0.29	0.56	3.31	54.99	0.20	23.18	0.37	17.67	100.72	CP	diopside
7501 2213	63 48	96 58	14	7076262	599761	1	66	0.24	0.47	0.85	3.45	54.28	0.38	23.01	0.43	17.72	100.83	CP	diopside
7501 2213	63 48	96 58	14	7076262	599761	1	63	0.12	0.07	21.62	23.47	38.54	0.23	11.08	0.03	4.90	100.07	GA	almandine
7501 2213	63 48	96 58	14	7076262	599761	1	64	0.19	0.01	21.43	23.80	39.65	0.19	9.66	0.06	5.73	100.72	GA	almandine
7501 2312	63 47	96 58	14	7075076	600585	1	67	0.12	0.61	0.80	2.92	55.23	0.23	22.44	0.64	16.66	99.65	CP	Cr-diopside
7501 2312	63 47	96 58	14	7075076	600585	1	68	0.15	0.51	0.74	3.02	55.14	0.20	22.89	0.66	17.16	100.47	CP	Cr-diopside
7501 2312	63 47	96 58	14	7075076	600585	1	69	0.21	0.70	1.13	3.47	54.98	0.17	23.68	0.28	16.24	100.86	CP	diopside
7501 2312	63 47	96 58	14	7075076	600585	1	70	0.12	0.57	0.49	2.90	54.93	0.18	23.31	0.26	16.79	99.56	CP	diopside
7501 2312	63 47	96 58	14	7075076	600585	1	71	0.09	0.23	0.84	3.90	53.52	0.22	22.97	0.31	17.02	99.10	CP	diopside
7501 2312	63 47	96 58	14	7075076	600585	1	72	0.20	0.33	0.70	3.80	54.12	0.23	23.13	0.10	17.07	99.69	CP	diopside
7501 2312	63 47	96 58	14	7075076	600585	1	73	0.24	0.72	0.97	3.91	53.15	0.30	23.48	0.16	16.40	99.34	CP	diopside
7501 2312	63 47	96 58	14	7075076	600585	1	74	0.15	0.32	0.33	4.16	54.01	0.26	23.61	0.12	17.59	100.55	CP	diopside
7501 2313	63 48	96 57	14	7076673	600960	1	75	0.09	0.42	0.57	3.36	54.97	0.23	23.38	0.18	17.36	100.57	CP	diopside
7501 2313	63 48	96 57	14	7076673	600960	1	76	0.09	0.29	0.85	3.10	54.69	0.21	24.20	0.36	17.02	100.81	CP	diopside
7501 2314	63 49	96 57	14	7078466	600911	1	77	0.18	0.15	0.76	2.96	54.38	0.13	23.83	0.32	17.04	99.75	CP	diopside
7501 2314	63 49	96 57	14	7078466	600911	1	78	0.12	0.27	0.70	2.98	53.69	0.26	23.18	0.36	18.49	100.07	CP	diopside
7501 2314	63 49	96 57	14	7078466	600911	1	79	0.08	0.32	0.47	3.35	54.53	0.16	22.70	0.31	18.16	100.06	CP	diopside
7501 2314	63 49	96 57	14	7078466	600911	1	80	0.17	0.70	1.26	3.78	54.53	0.21	22.27	0.18	17.16	100.25	CP	diopside
7501 2314	63 49	96 57	14	7078466	600911	1	81	0.12	0.35	1.53	4.09	53.07	0.26	22.90	0.35	16.18	98.86	CP	diopside
7501 2412	63 47	96 56	14	7074697	602016	1	83	0.03	0.29	0.38	3.72	55.22	0.25	22.80	0.23	17.33	100.24	CP	diopside
7501 2412	63 47	96 56	14	7074697	602016	1	82	3.05	0.01	20.40	26.53	37.32	0.26	11.16	0.10	0.75	99.59	GA	almandine
7501 2413	63 48	96 54	14	7076670	603019	1	87	0.15	0.27	0.70	2.96	55.26	0.18	23.23	0.28	17.48	100.51	CP	diopside
7501 2413	63 48	96 54	14	7076670	603019	1	88	0.15	0.42	0.95	3.55	54.48	0.21	22.21	0.33	18.06	100.37	CP	diopside
7501 2413	63 48	96 54	14	7076670	603019	1	89	0.17	0.24	1.32	3.18	55.01	0.24	22.70	0.79	17.74	101.40	CP	Cr-diopside
7501 2413	63 48	96 54	14	7076670	603019	1	90	0.05	0.30	0.81	3.84	54.08	0.26	23.45	0.43	17.00	100.21	CP	diopside
7501 2413	63 48	96 54	14	7076670	603019	1	91	0.20	0.19	0.69	2.87	54.22	0.21	23.31	0.14	18.20	100.03	CP	diopside
7501 2413	63 48	96 54	14	7076670	603019	1	92	0.18	0.32	0.72	3.30	54.10	0.22	23.70	0.20	18.11	100.85	CP	diopside
7501 2413	63 48	96 54	14	7076670	603019	1	93	0.12	0.35	0.90	3.47	54.24	0.21	23.47	0.57	16.14	99.48	CP	Cr-diopside
7501 2413	63 48	96 54	14	7076670	603019	1	94	0.12	0.29	0.82	3.30	53.90	0.23	23.19	0.46	16.24	98.56	CP	diopside
7501 2413	63 48	96 54	14	7076670	603019	1	84	0.25	0.03	20.84	28.63	38.52	0.15	9.27	0.08	2.67	100.44	GA	almandine
7501 2413	63 48	96 54	14	7076670	603019	1	85	0.38	0.00	21.60	21.61	39.60	0.23	10.57	0.09	7.32	101.41	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 2413	63 48	96 54	14	7076670	603019	1	86	0.69	0.01	20.74	24.53	38.54	0.38	11.32	0.18	3.69	100.08	GA	almandine
7501 2414	63 49	96 55	14	7078441	602818	1	95	0.15	0.24	0.64	3.86	55.09	0.21	23.01	0.04	17.82	101.07	CP	diopside
7501 2512	63 47	96 52	14	7074972	604959	1	96	0.09	0.41	0.98	3.69	53.70	0.27	22.97	0.43	18.39	100.93	CP	diopside
7501 2512	63 47	96 52	14	7074972	604959	1	97	0.09	0.47	0.77	3.63	54.80	0.27	23.12	0.20	17.24	100.59	CP	diopside
7501 2513	63 48	96 53	14	7076641	604125	1	98	0.20	0.32	0.68	3.03	53.75	0.15	23.54	0.60	16.93	99.19	CP	Cr-diopside
7501 2812	63 47	96 47	14	7074965	609432	1	99	0.12	0.72	1.32	4.08	53.74	0.35	23.55	0.47	15.57	99.93	CP	diopside
7501 2813	63 48	96 47	14	7076920	609215	1	100	0.15	0.33	0.98	3.36	53.21	0.22	23.12	0.16	17.77	99.31	CP	diopside
7501 2814	63 49	96 47	14	7078090	609167	2	5	0.18	0.49	0.85	2.94	54.60	0.20	22.46	0.38	18.67	100.78	CP	diopside
7501 2814	63 49	96 47	14	7078090	609167	2	2	0.17	0.38	1.08	3.99	52.68	0.22	22.47	0.26	17.56	98.80	CP	diopside
7501 2814	63 49	96 47	14	7078090	609167	2	3	0.18	0.10	0.58	2.84	55.13	0.18	22.34	0.45	19.23	101.04	CP	diopside
7501 2814	63 49	96 47	14	7078090	609167	2	4	0.18	0.24	1.11	3.98	55.07	0.24	22.64	0.26	16.81	100.54	CP	diopside
7501 2814	63 49	96 47	14	7078090	609167	2	1	1.32	0.00	21.18	24.84	39.67	0.24	9.19	0.10	4.94	101.49	GA	almandine
7501 2913	63 48	96 46	14	7076349	610231	2	6	0.06	0.30	0.84	3.49	54.43	0.32	22.85	0.28	17.82	100.40	CP	diopside
7501 2913	63 48	96 46	14	7076349	610231	2	7	0.11	0.42	1.20	3.25	54.77	0.22	21.84	0.79	17.66	100.25	CP	Cr-diopside
7501 2914	63 49	96 45	14	7078153	610449	2	8	0.15	0.33	1.22	4.61	52.88	0.31	22.22	0.41	17.70	99.85	CP	diopside
7501 2914	63 49	96 45	14	7078153	610449	2	9	0.15	0.15	0.64	2.86	54.45	0.20	23.57	0.45	17.34	99.80	CP	diopside
7501 2914	63 49	96 45	14	7078153	610449	2	10	0.20	0.26	0.84	4.00	54.26	0.16	22.65	0.20	17.40	99.97	CP	diopside
7501 3006	63 42	96 43	14	7065506	612950	2	12	0.15	0.28	0.74	3.73	55.04	0.24	22.45	0.31	17.83	100.78	CP	diopside
7501 3006	63 42	96 43	14	7065506	612950	2	13	0.14	0.41	0.69	3.58	53.75	0.21	23.25	0.19	17.42	99.63	CP	diopside
7501 3006	63 42	96 43	14	7065506	612950	2	14	0.15	0.22	0.58	3.63	55.05	0.26	22.59	0.09	18.17	100.75	CP	diopside
7501 3006	63 42	96 43	14	7065506	612950	2	15	0.08	0.28	0.74	3.82	54.01	0.26	23.09	0.12	17.51	99.90	CP	diopside
7501 3006	63 42	96 43	14	7065506	612950	2	16	0.11	0.42	1.57	3.81	55.31	0.22	20.33	0.99	18.55	101.30	CP	Cr-diopside
7501 3006	63 42	96 43	14	7065506	612950	2	17	0.14	0.47	0.77	4.15	53.75	0.29	23.05	0.65	16.34	99.62	CP	Cr-diopside
7501 3006	63 42	96 43	14	7065506	612950	2	11	0.66	0.00	20.23	21.86	39.59	0.12	10.97	0.01	5.33	98.76	GA	almandine
7501 3008	63 44	96 42	14	7069200	613200	2	21	0.21	0.45	0.62	2.98	54.91	0.15	23.11	0.34	18.08	100.84	CP	diopside
7501 3008	63 44	96 42	14	7069200	613200	2	22	0.15	0.16	0.81	2.83	54.93	0.21	23.58	0.76	18.05	101.49	CP	Cr-diopside
7501 3008	63 44	96 42	14	7069200	613200	2	23	0.12	0.11	0.74	2.78	54.74	0.22	23.03	0.49	17.28	99.53	CP	diopside
7501 3008	63 44	96 42	14	7069200	613200	2	18	1.07	0.01	21.81	23.93	38.51	0.21	10.14	0.03	3.83	99.54	GA	almandine
7501 3008	63 44	96 42	14	7069200	613200	2	19	18.76	0.00	20.25	22.39	36.85	0.16	0.80	0.06	0.59	99.86	GA	almandine
7501 3008	63 44	96 42	14	7069200	613200	2	20	0.38	0.03	21.04	21.60	39.68	0.10	10.50	0.05	7.54	100.92	GA	almandine
7501 3010	63 45	96 44	14	7071799	612088	2	24	0.12	0.18	1.02	3.30	54.89	0.20	23.19	0.32	17.62	100.85	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 3010	63 45	96 44	14	7071799	612088	2	25	0.14	0.27	1.01	3.30	53.82	0.18	23.21	0.33	17.70	99.95	CP	diopside
7501 3010	63 45	96 44	14	7071799	612088	2	26	0.09	0.24	0.72	2.70	55.17	0.16	23.79	0.49	17.77	101.13	CP	diopside
7501 3011	63 46	96 42	14	7073047	613080	2	27	0.11	0.18	0.84	3.32	54.04	0.18	22.88	0.25	17.67	99.47	CP	diopside
7501 3011	63 46	96 42	14	7073047	613080	2	28	0.21	0.36	1.20	3.28	53.34	0.23	23.77	0.94	17.98	101.32	CP	Cr-diopside
7501 3012	63 47	96 43	14	7075320	612221	2	31	0.06	0.24	0.95	3.71	54.39	0.11	22.46	0.14	18.63	100.70	CP	diopside
7501 3012	63 47	96 43	14	7075320	612221	2	32	0.12	0.15	0.96	3.89	55.17	0.25	22.11	0.13	18.33	101.12	CP	diopside
7501 3012	63 47	96 43	14	7075320	612221	2	33	0.18	0.10	0.78	3.09	54.32	0.19	23.81	0.63	17.44	100.56	CP	Cr-diopside
7501 3012	63 47	96 43	14	7075320	612221	2	34	0.11	0.38	0.53	3.88	55.50	0.08	22.85	0.07	18.13	101.52	CP	diopside
7501 3012	63 47	96 43	14	7075320	612221	2	35	0.21	0.32	1.04	3.40	54.28	0.27	22.70	0.20	17.69	100.10	CP	diopside
7501 3012	63 47	96 43	14	7075320	612221	2	29	4.90	0.00	21.09	26.02	37.80	0.14	7.93	0.08	2.62	100.58	GA	almandine
7501 3012	63 47	96 43	14	7075320	612221	2	30	2.70	0.00	20.78	21.25	39.07	0.20	16.07	0.12	1.00	101.19	GA	almandine
7501 3013	63 48	96 43	14	7076816	612598	2	37	0.15	0.35	1.50	3.38	54.69	0.14	21.97	0.84	17.72	100.73	CP	Cr-diopside
7501 3013	63 48	96 43	14	7076816	612598	2	36	0.21	0.30	0.83	3.50	55.16	0.25	23.41	0.65	17.14	101.47	CP	Cr-diopside
7501 3101	63 38	96 41	14	7058000	614700	2	39	0.14	0.36	0.88	3.32	54.93	0.27	23.28	0.65	17.15	100.98	CP	Cr-diopside
7501 3101	63 38	96 41	14	7058000	614700	2	38	1.24	0.00	21.73	20.43	39.68	0.22	10.21	0.09	7.16	100.78	GA	almandine
7501 3103	63 40	96 41	14	7061331	614736	2	40	0.23	0.16	0.94	3.40	54.84	0.27	22.94	0.56	17.39	100.72	CP	Cr-diopside
7501 3103	63 40	96 41	14	7061331	614736	2	41	0.11	0.30	1.04	4.00	53.97	0.25	22.95	0.29	16.88	99.80	CP	diopside
7501 3105	63 41	96 41	14	7064200	614437	2	42	0.14	0.27	0.53	2.65	55.29	0.17	23.80	0.53	18.02	101.41	CP	Cr-diopside
7501 3105	63 41	96 41	14	7064200	614437	2	43	0.14	0.40	0.79	3.67	54.43	0.25	23.47	0.19	16.24	99.57	CP	diopside
7501 3105	63 41	96 41	14	7064200	614437	2	44	0.08	0.38	0.90	3.18	55.69	0.24	22.29	0.79	17.50	101.04	CP	Cr-diopside
7501 3105	63 41	96 41	14	7064200	614437	2	45	0.11	0.24	0.63	3.37	54.55	0.29	23.50	0.37	18.27	101.32	CP	diopside
7501 3108	63 44	96 41	14	7069122	614339	2	47	0.11	0.33	0.72	3.76	55.08	0.25	22.97	0.33	16.61	100.15	CP	diopside
7501 3108	63 44	96 41	14	7069122	614339	2	46	0.09	0.32	0.48	3.21	53.82	0.21	23.34	0.21	17.88	99.55	CP	diopside
7501 3111	63 46	96 41	14	7073616	614187	2	48	0.18	0.24	0.97	3.34	55.07	0.28	23.01	0.49	16.94	100.53	CP	diopside
7501 3111	63 46	96 41	14	7073616	614187	2	49	0.17	0.18	0.50	3.65	54.25	0.17	22.64	0.08	17.87	99.52	CP	diopside
7501 3111	63 46	96 41	14	7073616	614187	2	50	0.30	0.36	0.85	3.72	54.68	0.18	23.14	0.15	17.00	100.38	CP	diopside
7501 3111	63 46	96 41	14	7073616	614187	2	51	0.15	0.16	1.06	3.60	55.46	0.20	21.81	0.52	18.52	101.48	CP	Cr-diopside
7501 3201	63 38	96 39	14	7058056	616707	2	52	0.14	0.38	0.89	3.29	54.61	0.23	23.12	0.78	16.22	99.65	CP	Cr-diopside
7501 3202	63 39	96 39	14	7059323	616758	2	53	0.17	0.28	0.72	3.15	54.52	0.20	23.02	0.58	16.75	99.39	CP	Cr-diopside
7501 3202	63 39	96 39	14	7059323	616758	2	54	0.11	0.35	0.61	3.41	54.06	0.35	23.62	0.55	17.70	100.75	CP	Cr-diopside
7501 3203	63 40	96 39	14	7061020	616369	2	55	0.09	0.37	0.84	3.51	54.16	0.23	23.30	0.64	17.94	101.09	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 3203	63 40	96 39	14	7061020	616369	2	56	0.23	0.15	0.79	3.05	55.29	0.28	23.59	0.56	17.22	101.15	CP	Cr-diopside
7501 3203	63 40	96 39	14	7061020	616369	2	57	0.05	0.40	0.59	3.63	54.32	0.12	23.08	0.15	17.40	99.74	CP	diopside
7501 3205	63 41	96 39	14	7064139	616167	2	58	0.20	0.37	0.66	3.41	54.56	0.32	22.92	0.30	17.57	100.30	CP	diopside
7501 3206	63 42	96 39	14	7065422	616395	2	60	0.09	0.36	0.81	3.67	54.85	0.23	22.05	0.22	17.84	100.12	CP	diopside
7501 3206	63 42	96 39	14	7065422	616395	2	61	0.06	0.39	0.85	3.74	52.90	0.24	23.14	0.60	16.66	98.59	CP	Cr-diopside
7501 3206	63 42	96 39	14	7065422	616395	2	62	0.15	0.33	0.99	4.47	54.62	0.20	21.30	0.16	17.84	100.07	CP	diopside
7501 3206	63 42	96 39	14	7065422	616395	2	63	0.08	0.31	0.85	2.70	55.32	0.13	23.25	0.47	18.38	101.48	CP	diopside
7501 3206	63 42	96 39	14	7065422	616395	2	64	0.11	0.21	1.14	4.13	53.52	0.32	22.14	0.60	18.03	100.19	CP	Cr-diopside
7501 3206	63 42	96 39	14	7065422	616395	2	59	0.76	0.00	21.04	20.68	39.41	0.18	10.36	0.03	6.26	98.72	GA	almandine
7501 3207	63 43	96 39	14	7067491	616151	2	65	0.09	0.39	1.24	3.99	53.21	0.36	22.58	0.36	16.55	98.76	CP	diopside
7501 3209	63 45	96 39	14	7070703	615808	2	66	0.11	0.32	1.17	4.51	53.52	0.28	22.68	0.36	17.02	99.95	CP	diopside
7501 3211	63 47	96 38	14	7074452	616890	2	67	0.54	0.07	20.56	23.73	38.84	0.18	11.03	0.09	5.03	100.07	GA	almandine
7501 3211	63 47	96 38	14	7074452	616890	2	68	0.44	0.00	21.08	22.84	39.62	0.16	9.42	0.08	6.83	100.47	GA	almandine
7501 3211	63 47	96 38	14	7074452	616890	2	69	0.84	0.00	20.71	23.95	40.20	0.21	9.96	0.04	4.57	100.46	GA	almandine
7501 3211	63 47	96 38	14	7074452	616890	2	70	0.55	0.01	20.92	28.36	38.89	0.20	10.37	0.00	1.54	100.84	GA	almandine
7501 3212	63 47	96 39	14	7075372	615816	2	71	24.39	0.00	19.65	16.09	37.60	0.19	0.89	0.05	0.65	99.52	GA	spessartine
7501 3213	63 48	96 39	14	7077139	615718	2	74	0.41	0.00	19.84	24.94	39.00	0.15	14.75	0.07	0.88	100.06	GA	almandine
7501 3213	63 48	96 39	14	7077139	615718	2	73	0.34	0.03	20.77	21.80	40.72	0.18	10.55	0.05	5.51	99.95	GA	almandine
7501 3213	63 48	96 39	14	7077139	615718	2	75	0.51	0.06	0.13	49.63	0.00	50.04	0.05	0.11	0.19	100.70	IL	ilmenite
7501 3214	63 49	96 39	14	7078400	615300	2	77	0.09	0.21	0.86	3.89	55.30	0.17	22.34	0.11	17.81	100.78	CP	diopside
7501 3214	63 49	96 39	14	7078400	615300	2	78	0.23	0.27	0.94	3.59	54.83	0.20	22.47	0.38	16.89	99.80	CP	diopside
7501 3214	63 49	96 39	14	7078400	615300	2	79	0.14	0.42	0.89	4.70	54.03	0.49	23.43	0.38	16.63	101.11	CP	diopside
7501 3214	63 49	96 39	14	7078400	615300	2	80	0.23	0.33	0.55	2.99	54.87	0.14	23.31	0.14	16.66	99.22	CP	diopside
7501 3214	63 49	96 39	14	7078400	615300	2	81	0.12	0.24	0.98	3.83	53.30	0.26	22.75	0.27	17.59	99.34	CP	diopside
7501 3214	63 49	96 39	14	7078400	615300	2	82	0.03	0.47	0.84	3.25	53.99	0.23	23.48	0.61	16.58	99.49	CP	Cr-diopside
7501 3214	63 49	96 39	14	7078400	615300	2	76	0.28	0.00	21.29	21.91	39.34	0.12	9.92	0.08	7.70	100.64	GA	almandine
7501 3218	63 52	96 40	14	7084751	614995	2	84	0.12	0.37	0.72	3.65	54.28	0.18	21.06	0.17	18.01	98.57	CP	diopside
7501 3218	63 52	96 40	14	7084751	614995	2	85	0.12	0.62	1.01	3.86	54.41	0.31	22.00	0.16	16.98	99.47	CP	diopside
7501 3218	63 52	96 40	14	7084751	614995	2	86	0.08	0.28	0.39	2.89	55.28	0.19	22.39	0.24	18.24	99.98	CP	diopside
7501 3218	63 52	96 40	14	7084751	614995	2	83	0.38	0.00	20.90	22.34	38.72	0.29	10.40	0.05	5.72	98.79	GA	almandine
7501 3252	63 34	96 39	14	7051158	616920	2	88	0.79	0.00	19.81	25.44	38.90	0.24	14.00	0.05	1.00	100.23	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 3252	63 34	96 39	14	7051158	616920	2	87	2.09	0.01	19.99	24.34	39.18	0.23	10.09	0.01	4.19	100.14	GA	almandine
7501 3258	63 55	95 41	15	7090045	368392	2	91	0.14	0.30	1.06	3.82	54.61	0.20	21.95	0.08	17.60	99.75	CP	diopside
7501 3258	63 55	95 41	15	7090045	368392	2	89	0.64	0.00	21.11	25.91	39.33	0.23	10.00	0.03	3.83	101.08	GA	almandine
7501 3258	63 55	95 41	15	7090045	368392	2	90	0.23	0.13	0.32	94.47	0.00	0.02	0.01	0.09	0.00	95.27	IL	magnetite
7501 3301	63 38	96 37	14	7057496	618307	2	92	18.36	0.01	18.86	21.64	37.70	0.18	0.86	0.11	0.83	98.56	GA	almandine
7501 3301	63 38	96 37	14	7057496	618307	2	93	1.00	0.10	21.52	21.92	39.97	0.35	10.12	0.09	6.31	101.38	GA	almandine
7501 3301	63 38	96 37	14	7057496	618307	2	94	1.23	0.00	20.55	21.13	38.66	0.30	10.99	0.07	6.01	98.95	GA	almandine
7501 3301	63 38	96 37	14	7057496	618307	2	95	0.66	0.00	0.00	49.21	0.00	50.03	0.01	0.07	0.25	100.23	SP	ilmenite
7501 3302	63 39	96 37	14	7059356	618105	2	97	0.09	0.36	0.73	3.35	53.76	0.24	22.83	0.46	16.92	98.74	CP	diopside
7501 3302	63 39	96 37	14	7059356	618105	2	98	0.06	0.46	1.10	3.71	54.40	0.24	22.59	0.56	15.83	98.94	CP	Cr-diopside
7501 3302	63 39	96 37	14	7059356	618105	2	96	0.94	0.00	20.00	21.58	39.54	0.56	10.73	0.05	5.57	98.96	GA	almandine
7501 3303	63 40	96 37	14	7061197	617954	3	3	0.09	0.43	0.95	3.80	53.80	0.29	22.85	0.60	17.23	100.02	CP	Cr-diopside
7501 3303	63 40	96 37	14	7061197	617954	3	4	0.21	0.36	0.71	3.66	54.09	0.25	23.31	0.53	17.18	100.29	CP	Cr-diopside
7501 3303	63 40	96 37	14	7061197	617954	3	5	0.09	0.43	1.15	4.01	53.73	0.26	23.04	0.53	17.14	100.38	CP	Cr-diopside
7501 3303	63 40	96 37	14	7061197	617954	3	6	0.14	0.30	1.04	3.97	53.69	0.29	23.01	0.52	17.70	100.65	CP	Cr-diopside
7501 3303	63 40	96 37	14	7061197	617954	3	7	0.22	0.35	0.85	4.29	54.17	0.25	22.34	0.21	17.39	100.07	CP	diopside
7501 3303	63 40	96 37	14	7061197	617954	3	8	0.15	0.36	0.74	3.66	54.09	0.25	22.68	0.09	16.61	98.63	CP	diopside
7501 3303	63 40	96 37	14	7061197	617954	3	9	0.20	0.63	0.70	4.32	53.98	0.10	22.56	0.05	17.37	99.90	CP	diopside
7501 3303	63 40	96 37	14	7061197	617954	3	10	0.11	0.45	0.50	4.18	53.75	0.15	22.85	0.13	17.32	99.45	CP	diopside
7501 3303	63 40	96 37	14	7061197	617954	3	1	0.31	0.00	20.41	22.78	39.82	0.16	10.07	0.12	6.46	100.13	GA	almandine
7501 3303	63 40	96 37	14	7061197	617954	3	2	18.00	0.06	19.62	22.03	37.33	0.19	0.67	0.03	1.17	99.09	GA	almandine
7501 3304	63 40	96 37	14	7062519	617851	3	11	25.07	0.02	20.87	15.49	37.25	0.28	0.92	0.04	1.12	101.05	GA	spessartine
7501 3305	63 41	96 37	14	7064350	617840	3	12	0.33	0.03	21.21	24.67	39.00	0.15	8.88	0.06	5.88	100.21	GA	almandine
7501 3307	63 43	96 37	14	7067593	617433	3	13	0.16	0.34	0.70	3.93	54.19	0.22	22.76	0.31	16.59	99.20	CP	diopside
7501 3309	63 45	96 37	14	7070795	617585	3	14	0.11	0.39	1.70	4.49	54.63	0.14	22.35	0.04	16.13	99.98	CP	diopside
7501 3309	63 45	96 37	14	7070795	617585	3	15	0.22	0.45	0.24	3.63	55.10	0.25	23.94	0.33	16.62	100.77	CP	diopside
7501 3309	63 45	96 37	14	7070795	617585	3	16	0.05	0.73	1.09	3.76	54.30	0.28	23.74	0.42	16.42	100.78	CP	diopside
7501 3310	63 45	96 36	14	7072027	618120	3	19	0.20	0.54	1.02	3.08	54.87	0.21	23.37	0.45	16.80	100.54	CP	diopside
7501 3310	63 45	96 36	14	7072027	618120	3	17	1.30	0.11	20.37	23.16	39.20	0.25	11.22	0.07	4.37	100.05	GA	almandine
7501 3310	63 45	96 36	14	7072027	618120	3	18	1.21	0.00	19.30	32.62	37.40	0.24	7.80	0.11	0.86	99.54	GA	almandine
7501 3311	63 46	96 36	14	7073850	618287	3	26	0.09	0.37	0.84	3.60	53.95	0.19	22.18	0.04	17.76	99.03	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 3311	63 46	96 36	14	7073850	618287	3	27	0.08	0.32	0.82	3.61	53.86	0.23	23.88	0.27	16.41	99.47	CP	diopside
7501 3311	63 46	96 36	14	7073850	618287	3	20	0.39	0.05	21.19	24.89	38.38	0.11	9.12	0.05	6.50	100.68	GA	almandine
7501 3311	63 46	96 36	14	7073850	618287	3	21	1.61	0.01	20.77	24.00	38.62	0.15	15.26	0.06	0.87	101.36	GA	almandine
7501 3311	63 46	96 36	14	7073850	618287	3	22	0.55	0.05	0.07	49.20	0.00	49.15	0.00	0.03	0.06	99.11	SP	ilmenite
7501 3311	63 46	96 36	14	7073850	618287	3	23	0.59	0.00	0.10	48.94	0.00	49.56	0.01	0.10	0.69	100.00	SP	ilmenite
7501 3311	63 46	96 36	14	7073850	618287	3	24	0.53	0.03	0.12	49.34	0.00	49.39	0.03	0.12	0.91	100.45	SP	ilmenite
7501 3311	63 46	96 36	14	7073850	618287	3	25	0.42	0.00	0.07	49.09	0.00	49.53	0.05	0.01	0.60	99.77	SP	ilmenite
7501 3312	63 47	96 36	14	7075541	617923	3	29	0.14	0.35	1.11	4.50	53.93	0.30	21.14	0.10	18.05	99.62	CP	diopside
7501 3312	63 47	96 36	14	7075541	617923	3	28	0.66	0.00	20.75	22.19	38.51	0.13	12.85	0.04	4.24	99.36	GA	almandine
7501 3400	63 37	96 35	14	7056199	619947	3	30	0.18	0.43	0.53	2.92	54.79	0.19	22.99	0.19	17.77	99.98	CP	diopside
7501 3400	63 37	96 35	14	7056199	619947	3	31	0.24	0.37	0.65	3.78	54.05	0.25	22.13	0.27	17.50	99.25	CP	diopside
7501 3401	63 38	96 35	14	7057681	619955	3	36	0.18	0.76	1.16	4.84	52.28	0.31	21.99	0.36	17.19	99.08	CP	diopside
7501 3401	63 38	96 35	14	7057681	619955	3	37	0.14	0.52	0.63	3.61	54.06	0.19	21.54	0.08	18.36	99.13	CP	diopside
7501 3401	63 38	96 35	14	7057681	619955	3	38	0.15	0.42	0.74	3.88	54.94	0.18	22.73	0.38	16.43	99.84	CP	diopside
7501 3401	63 38	96 35	14	7057681	619955	3	39	0.24	0.28	0.66	3.52	54.50	0.25	23.25	0.56	17.38	100.64	CP	Cr-diopside
7501 3401	63 38	96 35	14	7057681	619955	3	40	0.12	0.54	1.28	3.40	54.28	0.22	21.26	0.94	17.22	99.26	CP	Cr-diopside
7501 3401	63 38	96 35	14	7057681	619955	3	41	0.22	0.38	0.59	3.70	56.00	0.19	22.68	0.21	17.41	101.37	CP	diopside
7501 3401	63 38	96 35	14	7057681	619955	3	42	0.12	0.24	0.89	3.47	54.24	0.15	22.25	0.84	17.94	100.13	CP	Cr-diopside
7501 3401	63 38	96 35	14	7057681	619955	3	43	0.00	0.26	1.41	4.99	54.62	0.30	21.88	0.12	16.99	100.57	CP	diopside
7501 3401	63 38	96 35	14	7057681	619955	3	44	0.17	0.51	1.26	4.89	52.63	0.27	22.70	0.29	16.26	98.98	CP	diopside
7501 3401	63 38	96 35	14	7057681	619955	3	45	0.09	0.18	0.70	2.90	53.92	0.20	23.43	0.64	17.48	99.55	CP	Cr-diopside
7501 3401	63 38	96 35	14	7057681	619955	3	46	0.18	0.48	0.78	4.25	53.96	0.28	22.52	0.40	16.76	99.61	CP	diopside
7501 3401	63 38	96 35	14	7057681	619955	3	47	0.11	0.27	0.94	3.41	55.02	0.18	21.23	0.18	17.65	98.99	CP	diopside
7501 3401	63 38	96 35	14	7057681	619955	3	48	0.05	0.28	0.59	2.96	54.64	0.16	22.79	0.15	18.40	100.03	CP	diopside
7501 3401	63 38	96 35	14	7057681	619955	3	49	0.29	0.57	0.56	3.70	54.33	0.26	22.97	0.21	17.23	100.10	CP	diopside
7501 3401	63 38	96 35	14	7057681	619955	3	32	1.24	0.00	20.67	24.53	39.44	0.32	8.64	0.10	5.62	100.56	GA	almandine
7501 3401	63 38	96 35	14	7057681	619955	3	33	0.42	0.03	20.58	24.39	38.29	0.19	10.07	0.07	4.60	98.65	GA	almandine
7501 3401	63 38	96 35	14	7057681	619955	3	34	1.51	0.00	20.11	25.69	37.42	0.27	12.45	0.02	1.60	99.06	GA	almandine
7501 3401	63 38	96 35	14	7057681	619955	3	35	0.32	0.00	20.42	22.63	38.74	0.24	10.99	0.10	5.31	98.74	GA	almandine
7501 3402	63 39	96 34	14	7059721	620487	3	51	0.18	0.26	0.62	3.64	54.52	0.24	23.10	0.46	17.05	100.07	CP	diopside
7501 3402	63 39	96 34	14	7059721	620487	3	52	0.14	0.49	0.76	3.70	54.38	0.24	23.04	0.42	18.17	101.33	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 3402	63 39	96 34	14	7059721	620487	3	53	0.17	0.26	0.80	3.62	52.91	0.33	22.75	0.43	17.37	98.64	CP	diopside
7501 3402	63 39	96 34	14	7059721	620487	3	54	0.06	0.23	1.25	3.68	52.76	0.31	22.94	0.62	17.25	99.11	CP	Cr-diopside
7501 3402	63 39	96 34	14	7059721	620487	3	50	0.53	0.06	2.05	72.70	0.47	13.14	0.27	0.09	0.64	89.95	IL	FeTi-oxide
7501 3405	63 41	96 35	14	7064708	619828	3	55	0.14	0.18	0.65	3.04	54.54	0.23	23.47	0.37	17.58	100.20	CP	diopside
7501 3405	63 41	96 35	14	7064708	619828	3	56	0.17	0.20	0.84	3.59	53.97	0.21	23.30	0.69	17.39	100.34	CP	Cr-diopside
7501 3405	63 41	96 35	14	7064708	619828	3	57	0.23	0.06	0.83	3.14	53.43	0.30	23.42	0.49	17.54	99.43	CP	diopside
7501 3405	63 41	96 35	14	7064708	619828	3	58	0.14	0.38	0.53	3.51	54.55	0.22	22.62	0.14	17.47	99.55	CP	diopside
7501 3405	63 41	96 35	14	7064708	619828	3	59	0.09	0.27	0.74	3.28	54.55	0.20	22.97	0.25	18.27	100.62	CP	diopside
7501 3405	63 41	96 35	14	7064708	619828	3	60	0.08	0.33	0.68	3.70	54.17	0.24	22.88	0.12	17.23	99.43	CP	diopside
7501 3405	63 41	96 35	14	7064708	619828	3	61	0.20	0.32	0.97	4.01	52.73	0.19	22.78	0.19	17.99	99.38	CP	diopside
7501 3405	63 41	96 35	14	7064708	619828	3	62	0.13	0.27	1.19	4.04	54.36	0.24	22.29	0.27	17.83	100.62	CP	diopside
7501 3406	63 42	96 35	14	7065954	619168	3	65	0.15	0.47	1.00	5.47	54.17	0.39	22.14	0.23	16.74	100.76	CP	diopside
7501 3406	63 42	96 35	14	7065954	619168	3	66	0.17	0.18	0.52	3.73	53.70	0.17	22.40	0.09	17.72	98.68	CP	diopside
7501 3406	63 42	96 35	14	7065954	619168	3	67	0.17	0.53	0.89	3.55	54.24	0.20	23.36	0.54	17.44	100.92	CP	Cr-diopside
7501 3406	63 42	96 35	14	7065954	619168	3	68	0.22	0.74	1.46	4.18	53.03	0.43	23.53	0.30	16.57	100.46	CP	diopside
7501 3406	63 42	96 35	14	7065954	619168	3	69	0.16	0.40	0.84	4.11	53.30	0.30	22.98	0.47	17.15	99.71	CP	diopside
7501 3406	63 42	96 35	14	7065954	619168	3	63	0.06	0.33	0.73	2.81	54.06	0.20	22.70	0.58	18.15	99.65	CP	Cr-diopside
7501 3406	63 42	96 35	14	7065954	619168	3	64	0.13	0.23	0.86	3.32	54.32	0.27	23.10	0.44	16.93	99.60	CP	diopside
7501 3407	63 43	96 36	14	7067684	618803	3	72	0.14	0.34	1.12	4.29	53.20	0.25	22.00	0.43	17.51	99.28	CP	diopside
7501 3407	63 43	96 36	14	7067684	618803	3	73	0.17	0.29	0.77	3.76	55.30	0.24	23.25	0.21	16.70	100.69	CP	diopside
7501 3407	63 43	96 36	14	7067684	618803	3	74	0.03	0.35	0.86	4.20	54.50	0.22	20.59	0.21	17.60	98.56	CP	diopside
7501 3407	63 43	96 36	14	7067684	618803	3	75	0.14	0.21	0.68	3.35	54.01	0.22	22.67	0.13	17.89	99.30	CP	diopside
7501 3407	63 43	96 36	14	7067684	618803	3	76	0.03	0.52	0.78	3.31	53.70	0.15	22.36	0.51	18.09	99.45	CP	Cr-diopside
7501 3407	63 43	96 36	14	7067684	618803	3	77	0.22	0.26	1.22	4.33	54.31	0.14	21.60	0.18	17.08	99.34	CP	diopside
7501 3407	63 43	96 36	14	7067684	618803	3	78	0.14	0.25	1.35	4.67	54.19	0.28	22.54	0.15	15.55	99.14	CP	diopside
7501 3407	63 43	96 36	14	7067684	618803	3	79	0.14	0.27	1.08	3.34	54.70	0.23	23.52	0.44	16.84	100.56	CP	diopside
7501 3407	63 43	96 36	14	7067684	618803	3	70	1.13	0.03	0.30	41.46	0.00	48.75	0.04	0.03	1.62	93.37	SP	ilmenite
7501 3407	63 43	96 36	14	7067684	618803	3	71	0.08	0.00	0.67	78.81	0.13	12.89	0.10	0.06	0.00	92.75	SP	FeTi-oxide
7501 3408	63 44	96 35	14	7068908	619287	3	80	0.11	0.23	0.50	3.03	53.99	0.21	23.78	0.31	17.05	99.22	CP	diopside
7501 3408	63 44	96 35	14	7068908	619287	3	81	0.29	0.25	1.22	4.49	53.86	0.31	22.57	0.37	17.82	101.18	CP	diopside
7501 3408	63 44	96 35	14	7068908	619287	3	82	0.13	0.50	0.96	4.22	54.21	0.32	22.68	0.18	16.76	99.94	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 3408	63 44	96 35	14	7068908	619287	3	83	0.11	0.49	0.95	3.21	54.75	0.25	23.62	0.59	17.36	101.33	CP	Cr-diopside
7501 3408	63 44	96 35	14	7068908	619287	3	84	0.16	0.23	0.84	3.60	53.55	0.22	22.90	0.18	17.48	99.16	CP	diopside
7501 3410	63 45	96 35	14	7072137	619465	3	85	0.16	0.37	0.88	4.16	52.96	0.19	22.32	0.36	17.28	98.68	CP	diopside
7501 3410	63 45	96 35	14	7072137	619465	3	86	0.16	0.37	0.56	3.63	54.43	0.26	23.41	0.46	17.86	101.14	CP	diopside
7501 3410	63 45	96 35	14	7072137	619465	3	87	0.09	0.26	1.21	3.96	54.22	0.20	22.57	0.31	18.48	101.30	CP	diopside
7501 3410	63 45	96 35	14	7072137	619465	3	88	0.11	0.25	0.82	3.71	54.66	0.18	22.59	0.16	17.12	99.59	CP	diopside
7501 3410	63 45	96 35	14	7072137	619465	3	89	0.13	0.52	1.29	3.87	54.40	0.21	21.94	0.42	18.05	100.84	CP	diopside
7501 3410	63 45	96 35	14	7072137	619465	3	90	0.17	0.34	0.99	5.27	53.43	0.27	22.74	0.07	16.75	100.02	CP	diopside
7501 3411	63 47	96 34	14	7074142	619844	3	95	0.14	0.32	0.61	3.17	53.86	0.17	22.84	0.22	17.81	99.14	CP	diopside
7501 3411	63 47	96 34	14	7074142	619844	3	96	0.19	0.42	0.79	4.42	53.01	0.20	22.02	0.21	17.97	99.22	CP	diopside
7501 3411	63 47	96 34	14	7074142	619844	3	97	0.13	0.27	0.49	2.72	53.98	0.17	22.83	0.32	17.74	98.63	CP	diopside
7501 3411	63 47	96 34	14	7074142	619844	3	98	0.10	0.17	0.54	2.71	54.62	0.16	23.11	0.21	18.20	99.80	CP	diopside
7501 3411	63 47	96 34	14	7074142	619844	3	99	0.14	0.34	0.66	3.17	55.04	0.24	23.49	0.22	17.61	100.91	CP	diopside
7501 3411	63 47	96 34	14	7074142	619844	3	100	0.13	0.32	0.70	3.75	53.64	0.32	23.30	0.41	16.73	99.30	CP	diopside
7501 3411	63 47	96 34	14	7074142	619844	3	101	0.14	0.46	0.93	3.95	54.09	0.24	22.48	0.26	17.50	100.05	CP	diopside
7501 3411	63 47	96 34	14	7074142	619844	3	91	1.29	0.31	4.33	9.21	0.10	0.57	0.10	68.32	12.12	96.36	SP	chromite¹
7501 3411	63 47	96 34	14	7074142	619844	3	92	0.56	0.11	0.04	49.21	0.00	49.04	0.02	0.13	0.04	99.14	SP	ilmenite
7501 3411	63 47	96 34	14	7074142	619844	3	93	0.27	0.11	0.21	49.44	0.00	50.22	0.01	0.07	0.07	100.40	SP	ilmenite
7501 3411	63 47	96 34	14	7074142	619844	3	94	0.67	0.00	0.11	48.02	0.00	48.76	0.00	0.00	0.39	97.94	SP	ilmenite
7501 3412	63 47	96 35	14	7075831	619378	4	1	0.65	0.03	0.15	49.18	0.00	49.68	0.00	0.07	0.78	100.53	SP	ilmenite
7501 3412	63 47	96 35	14	7075831	619378	4	2	0.41	0.00	0.04	50.03	0.00	48.84	0.02	0.05	0.58	99.99	SP	ilmenite
7501 3413	63 49	96 35	14	7078201	618937	4	3	0.10	0.48	0.98	3.32	54.87	0.19	23.38	0.45	16.14	99.90	CP	diopside
7501 3450	63 36	96 35	14	7054072	620129	4	4	0.10	0.42	0.21	2.52	55.75	0.23	24.72	0.14	17.38	101.45	CP	diopside
7501 3450	63 36	96 35	14	7054072	620129	4	5	0.11	0.64	0.42	3.95	55.37	0.55	22.42	0.73	17.05	101.26	CP	Cr-diopside
7501 3450	63 36	96 35	14	7054072	620129	4	6	0.19	0.31	0.52	3.76	54.46	0.18	22.92	0.11	18.10	100.55	CP	diopside
7501 3501	63 38	96 33	14	7058026	621270	4	7	0.20	0.44	0.64	3.65	54.37	0.22	22.19	0.29	18.25	100.26	CP	diopside
7501 3501	63 38	96 33	14	7058026	621270	4	8	0.07	0.22	0.63	3.66	54.70	0.28	22.97	0.13	17.86	100.52	CP	diopside
7501 3501	63 38	96 33	14	7058026	621270	4	9	0.13	0.14	0.66	3.40	54.42	0.32	23.03	0.36	17.56	100.02	CP	diopside
7501 3501	63 38	96 33	14	7058026	621270	4	10	0.11	0.28	0.51	3.23	54.51	0.26	23.13	0.38	17.11	99.53	CP	diopside
7501 3501	63 38	96 33	14	7058026	621270	4	11	0.11	0.22	0.51	2.89	54.93	0.13	23.74	0.25	16.84	99.62	CP	diopside
7501 3501	63 38	96 33	14	7058026	621270	4	12	0.14	0.32	0.83	3.96	55.14	0.19	23.22	0.57	16.86	101.25	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 3501	63 38	96 33	14	7058026	621270	4	13	0.13	0.28	1.05	3.69	54.92	0.21	23.11	0.19	16.99	100.58	CP	diopside
7501 3501	63 38	96 33	14	7058026	621270	4	14	0.10	0.11	0.70	2.82	53.97	0.26	24.06	0.28	17.61	99.90	CP	diopside
7501 3502	63 39	96 33	14	7059378	621485	4	15	0.10	0.27	0.85	3.48	53.79	0.18	23.11	0.63	16.80	99.20	CP	Cr-diopside
7501 3502	63 39	96 33	14	7059378	621485	4	16	0.17	0.32	0.86	4.61	55.16	0.27	22.96	0.37	16.59	101.31	CP	diopside
7501 3503	63 40	96 33	14	7061536	621226	4	17	0.16	0.45	0.78	3.46	54.49	0.24	23.77	0.25	16.79	100.39	CP	diopside
7501 3506	63 42	96 33	14	7065888	620974	4	18	0.10	0.92	1.31	3.08	53.86	0.21	21.98	1.23	16.89	99.58	CP	Cr-diopside
7501 3506	63 42	96 33	14	7065888	620974	4	19	0.14	0.20	1.04	4.29	54.66	0.25	22.10	0.15	16.53	99.36	CP	diopside
7501 3506	63 42	96 33	14	7065888	620974	4	20	0.08	0.39	0.76	3.45	55.47	0.14	22.05	0.55	18.08	100.96	CP	Cr-diopside
7501 3506	63 42	96 33	14	7065888	620974	4	21	0.17	0.27	0.87	4.34	54.33	0.22	22.67	0.45	16.64	99.96	CP	diopside
7501 3506	63 42	96 33	14	7065888	620974	4	22	0.25	0.44	0.61	4.37	55.20	0.24	23.25	0.04	16.66	101.05	CP	diopside
7501 3506	63 42	96 33	14	7065888	620974	4	23	0.17	0.39	0.62	3.28	53.78	0.23	23.45	0.41	17.66	100.00	CP	diopside
7501 3506	63 42	96 33	14	7065888	620974	4	24	0.11	0.39	0.78	3.30	55.11	0.23	23.87	0.71	16.89	101.40	CP	Cr-diopside
7501 3506	63 42	96 33	14	7065888	620974	4	25	0.11	0.22	1.46	3.43	54.04	0.14	22.31	0.60	18.04	100.34	CP	Cr-diopside
7501 3506	63 42	96 33	14	7065888	620974	4	26	0.14	0.61	0.80	4.14	55.62	0.15	20.80	0.04	18.04	100.34	CP	diopside
7501 3506	63 42	96 33	14	7065888	620974	4	27	0.17	0.26	0.57	2.77	55.11	0.17	23.35	0.28	16.70	99.39	CP	diopside
7501 3508	63 44	96 33	14	7069088	620974	4	28	0.10	0.32	0.63	3.20	54.26	0.15	23.21	0.38	17.26	99.51	CP	diopside
7501 3508	63 44	96 33	14	7069088	620974	4	29	0.13	0.11	0.92	2.76	55.75	0.25	23.57	0.12	17.36	100.97	CP	diopside
7501 3508	63 44	96 33	14	7069088	620974	4	30	0.03	0.25	0.68	2.92	54.41	0.26	23.68	0.72	16.48	99.43	CP	Cr-diopside
7501 3508	63 44	96 33	14	7069088	620974	4	31	0.16	0.11	0.84	2.75	55.26	0.19	23.24	0.35	17.91	100.80	CP	diopside
7501 3508	63 44	96 33	14	7069088	620974	4	32	0.26	0.59	0.95	5.90	54.93	0.21	22.81	0.03	15.44	101.12	CP	diopside
7501 3510	63 46	96 33	14	7072242	620619	4	34	0.05	0.73	1.07	2.65	54.96	0.20	23.22	0.68	17.16	100.73	CP	Cr-diopside
7501 3510	63 46	96 33	14	7072242	620619	4	33	0.78	0.00	0.10	49.29	0.00	49.50	0.02	0.02	0.00	99.71	IL	ilmenite
7501 3514	63 49	96 33	14	7078826	620272	4	35	0.23	0.37	0.46	3.22	56.12	0.19	23.78	0.05	16.57	100.99	CP	diopside
7501 3552	63 34	96 33	14	7051153	621445	4	36	0.19	0.31	0.74	3.33	55.33	0.23	22.68	0.42	17.74	100.96	CP	diopside
7501 3553	63 34	96 33	14	7049962	621723	4	37	0.16	0.50	0.51	4.17	55.30	0.31	22.83	0.54	16.12	100.44	CP	Cr-diopside
7501 3553	63 34	96 33	14	7049962	621723	4	38	0.13	0.31	0.97	3.41	55.09	0.18	23.19	0.76	15.73	99.76	CP	Cr-diopside
7501 3554	63 54	95 34	15	7088306	373801	4	39	1.01	0.00	18.95	30.36	39.82	0.23	5.49	0.07	3.88	99.81	GA	almandine
7501 3601	63 38	96 31	14	7057975	622872	4	41	0.17	0.22	0.60	3.04	54.74	0.24	24.59	0.23	17.03	100.87	CP	diopside
7501 3601	63 38	96 31	14	7057975	622872	4	42	0.08	0.18	0.88	3.40	54.47	0.19	22.42	0.70	17.10	99.43	CP	Cr-diopside
7501 3601	63 38	96 31	14	7057975	622872	4	43	0.10	0.28	0.93	3.28	55.17	0.19	22.75	0.59	18.13	101.41	CP	Cr-diopside
7501 3601	63 38	96 31	14	7057975	622872	4	40	0.30	0.00	19.75	24.26	39.55	0.17	9.26	0.06	5.61	98.97	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 3602	63 39	96 31	14	7059396	622666	4	44	0.08	0.29	1.03	3.73	55.29	0.27	23.13	0.47	16.71	101.01	CP	diopside
7501 3604	63 40	96 31	14	7062827	622814	4	45	0.14	0.35	0.68	2.82	53.93	0.23	23.64	0.51	16.97	99.28	CP	Cr-diopside
7501 3604	63 40	96 31	14	7062827	622814	4	46	0.20	0.38	0.96	4.93	55.05	0.22	22.27	0.14	16.43	100.57	CP	diopside
7501 3604	63 40	96 31	14	7062827	622814	4	47	0.16	0.22	1.44	4.65	54.84	0.32	21.93	0.30	17.14	100.99	CP	diopside
7501 3604	63 40	96 31	14	7062827	622814	4	48	0.06	0.23	1.31	4.02	54.44	0.35	24.02	0.26	16.21	100.91	CP	diopside
7501 3606	63 42	96 31	14	7065939	622536	4	49	0.20	0.51	0.81	3.96	53.59	0.26	22.20	0.06	17.73	99.32	CP	diopside
7501 3606	63 42	96 31	14	7065939	622536	4	50	0.13	0.45	1.26	2.94	53.18	0.28	23.26	0.98	16.85	99.32	CP	Cr-diopside
7501 3606	63 42	96 31	14	7065939	622536	4	51	0.19	0.37	1.40	4.12	54.91	0.29	22.47	0.11	17.43	101.28	CP	diopside
7501 3607	63 43	96 31	14	7067975	622254	4	52	0.13	0.84	0.87	5.39	54.19	0.61	22.33	0.51	15.38	100.24	CP	Cr-diopside
7501 3607	63 43	96 31	14	7067975	622254	4	53	0.13	0.52	0.42	2.76	55.73	0.15	23.87	0.46	16.98	101.03	CP	diopside
7501 3607	63 43	96 31	14	7067975	622254	4	54	0.17	0.48	0.43	3.71	55.74	0.19	23.54	0.03	17.12	101.41	CP	diopside
7501 3607	63 43	96 31	14	7067975	622254	4	55	0.17	0.72	0.32	3.29	55.21	0.33	23.75	0.59	16.82	101.18	CP	Cr-diopside
7501 3607	63 43	96 31	14	7067975	622254	4	56	0.16	0.91	0.31	3.92	54.07	0.49	23.29	0.40	15.78	99.32	CP	diopside
7501 3607	63 43	96 31	14	7067975	622254	4	57	0.06	0.37	0.79	4.62	54.49	0.16	21.43	0.08	16.80	98.82	CP	diopside
7501 3607	63 43	96 31	14	7067975	622254	4	58	0.17	0.31	1.27	3.59	53.91	0.19	22.70	0.06	17.32	99.52	CP	diopside
7501 3607	63 43	96 31	14	7067975	622254	4	59	0.20	0.62	0.51	3.26	55.01	0.47	23.36	0.86	16.93	101.22	CP	Cr-diopside
7501 3611	63 46	96 30	14	7074055	622858	4	60	0.11	0.31	0.90	2.83	55.23	0.30	24.24	0.32	16.52	100.76	CP	diopside
7501 3611	63 46	96 30	14	7074055	622858	4	61	0.14	0.24	0.86	2.86	54.16	0.25	23.74	0.48	17.40	100.13	CP	diopside
7501 3611	63 46	96 30	14	7074055	622858	4	62	0.14	0.27	0.98	3.79	53.92	0.14	22.78	0.32	17.59	99.94	CP	diopside
7501 3611	63 46	96 30	14	7074055	622858	4	63	0.13	0.20	0.78	3.09	53.48	0.17	23.29	0.34	17.26	98.74	CP	diopside
7501 3611	63 46	96 30	14	7074055	622858	4	64	0.19	0.29	0.51	3.38	55.41	0.19	23.41	0.20	17.47	101.03	CP	diopside
7501 3653	63 34	96 31	14	7050103	623359	4	66	0.16	0.21	0.68	2.66	55.18	0.17	23.72	0.40	17.32	100.50	CP	diopside
7501 3653	63 34	96 31	14	7050103	623359	4	65	0.70	0.01	21.68	22.47	39.98	0.24	11.07	0.05	5.27	101.48	GA	almandine
7501 3700	63 37	96 29	14	7057423	624561	4	68	0.15	0.56	1.11	4.52	54.03	0.19	22.33	0.09	17.30	100.30	CP	diopside
7501 3700	63 37	96 29	14	7057423	624561	4	69	0.14	0.23	0.73	3.55	55.11	0.20	23.30	0.22	16.81	100.29	CP	diopside
7501 3700	63 37	96 29	14	7057423	624561	4	67	0.24	0.00	22.72	19.87	40.87	0.16	9.50	0.04	7.39	100.78	GA	almandine
7501 3701	63 38	96 29	14	7058130	624585	4	71	0.15	0.20	0.85	3.47	54.47	0.25	23.32	0.40	17.36	100.47	CP	diopside
7501 3701	63 38	96 29	14	7058130	624585	4	72	0.12	0.42	0.95	3.23	55.11	0.22	22.35	0.72	17.04	100.18	CP	Cr-diopside
7501 3701	63 38	96 29	14	7058130	624585	4	70	0.42	0.00	20.52	22.15	41.74	0.19	9.95	0.04	6.08	101.09	GA	almandine
7501 3702	63 39	96 29	14	7059364	624611	4	73	0.12	0.29	0.96	4.82	54.85	0.24	22.71	0.02	16.37	100.38	CP	diopside
7501 3702	63 39	96 29	14	7059364	624611	4	74	0.18	0.39	0.68	2.84	55.28	0.24	23.74	0.47	17.35	101.19	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 3702	63 39	96 29	14	7059364	624611	4	75	0.15	0.23	0.56	3.12	55.44	0.29	23.26	0.36	17.72	101.13	CP	diopside
7501 3702	63 39	96 29	14	7059364	624611	4	76	0.14	0.35	0.77	3.51	54.53	0.22	22.68	0.37	16.72	99.28	CP	diopside
7501 3703	63 40	96 29	14	7061255	624701	4	77	0.14	0.29	0.89	3.38	54.35	0.28	23.52	0.74	17.17	100.75	CP	Cr-diopside
7501 3703	63 40	96 29	14	7061255	624701	4	78	0.30	0.31	1.24	5.59	53.94	0.35	21.73	0.10	15.96	99.53	CP	diopside
7501 3704	63 40	96 29	14	7062926	624566	4	79	0.18	0.49	0.84	3.41	54.77	0.25	23.77	0.60	16.42	100.75	CP	Cr-diopside
7501 3704	63 40	96 29	14	7062926	624566	4	80	0.12	0.46	1.11	3.99	53.42	0.24	22.50	0.35	17.56	99.75	CP	diopside
7501 3704	63 40	96 29	14	7062926	624566	4	81	0.11	0.60	1.12	3.89	54.75	0.35	23.48	0.16	16.33	100.80	CP	diopside
7501 3704	63 40	96 29	14	7062926	624566	4	82	0.09	0.49	0.80	3.96	53.65	0.26	22.44	0.24	17.47	99.40	CP	diopside
7501 3704	63 40	96 29	14	7062926	624566	4	83	0.03	0.35	0.89	2.98	54.72	0.23	23.63	0.59	16.73	100.16	CP	Cr-diopside
7501 3704	63 40	96 29	14	7062926	624566	4	84	0.11	0.53	0.78	3.68	55.14	0.27	23.13	0.42	17.19	101.25	CP	diopside
7501 3705	63 41	96 29	14	7064475	624433	4	86	0.11	0.19	0.94	3.08	55.38	0.17	23.88	0.46	17.00	101.21	CP	diopside
7501 3705	63 41	96 29	14	7064475	624433	4	87	0.23	0.52	1.83	3.58	54.79	0.23	20.38	1.32	17.67	100.54	CP	Cr-diopside
7501 3705	63 41	96 29	14	7064475	624433	4	88	0.15	0.39	0.89	3.94	54.10	0.19	21.84	0.16	17.31	98.97	CP	diopside
7501 3705	63 41	96 29	14	7064475	624433	4	89	0.17	0.65	1.14	3.38	54.47	0.16	22.79	0.32	16.86	99.93	CP	diopside
7501 3705	63 41	96 29	14	7064475	624433	4	90	0.17	0.36	1.30	5.19	53.48	0.35	22.61	0.04	15.66	99.15	CP	diopside
7501 3705	63 41	96 29	14	7064475	624433	4	91	0.11	0.19	0.64	2.73	55.47	0.19	23.51	0.37	17.40	100.60	CP	diopside
7501 3705	63 41	96 29	14	7064475	624433	4	92	0.17	0.16	1.17	3.25	55.01	0.29	23.18	0.23	16.81	100.27	CP	diopside
7501 3705	63 41	96 29	14	7064475	624433	4	93	0.18	0.15	0.43	2.91	54.87	0.14	23.38	0.23	17.38	99.67	CP	diopside
7501 3705	63 41	96 29	14	7064475	624433	4	94	0.14	0.17	1.41	4.14	53.29	0.30	22.56	0.55	17.29	99.85	CP	Cr-diopside
7501 3705	63 41	96 29	14	7064475	624433	4	95	0.11	0.26	1.07	3.93	54.03	0.25	22.88	0.26	17.02	99.82	CP	diopside
7501 3705	63 41	96 29	14	7064475	624433	4	96	0.10	0.18	1.04	3.62	53.83	0.25	23.31	0.43	17.48	100.24	CP	diopside
7501 3705	63 41	96 29	14	7064475	624433	4	85	0.68	0.00	21.85	19.89	40.62	0.22	10.68	0.01	7.17	101.11	GA	almandine
7501 3708	63 44	96 29	14	7069205	623971	4	97	0.13	0.35	1.39	4.12	53.61	0.37	22.46	0.39	17.78	100.60	CP	diopside
7501 3708	63 44	96 29	14	7069205	623971	4	98	0.21	0.32	1.16	3.41	53.67	0.34	22.80	0.59	16.87	99.36	CP	Cr-diopside
7501 3708	63 44	96 29	14	7069205	623971	4	99	0.10	0.21	0.77	3.12	53.82	0.23	23.67	0.21	17.49	99.61	CP	diopside
7501 3709	63 45	96 29	14	7070683	624107	5	1	0.20	0.37	0.56	4.04	54.62	0.21	23.06	0.13	17.89	101.08	CP	diopside
7501 3709	63 45	96 29	14	7070683	624107	5	2	0.09	0.35	0.77	3.19	54.89	0.19	23.26	0.19	16.91	99.84	CP	diopside
7501 3709	63 45	96 29	14	7070683	624107	5	3	0.21	0.29	0.87	4.02	53.81	0.25	22.40	0.25	17.71	99.80	CP	diopside
7501 3709	63 45	96 29	14	7070683	624107	5	4	0.19	0.34	0.74	3.86	54.29	0.29	23.21	0.65	16.73	100.30	CP	Cr-diopside
7501 3709	63 45	96 29	14	7070683	624107	5	5	0.19	0.25	1.24	4.84	53.67	0.21	22.58	0.28	16.87	100.13	CP	diopside
7501 3709	63 45	96 29	14	7070683	624107	5	6	0.14	0.22	0.91	3.54	54.10	0.28	22.89	0.24	16.88	99.19	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 3709	63 45	96 29	14	7070683	624107	5	7	0.14	0.49	0.76	3.77	54.83	0.24	23.24	0.23	16.60	100.29	CP	diopside
7501 3709	63 45	96 29	14	7070683	624107	5	8	0.09	0.34	0.72	3.86	52.90	0.27	22.63	0.47	17.30	98.58	CP	diopside
7501 3710	63 46	96 29	14	7072337	624112	5	10	0.08	0.37	0.97	3.58	54.78	0.29	22.40	0.46	16.82	99.75	CP	diopside
7501 3710	63 46	96 29	14	7072337	624112	5	11	0.14	0.27	0.85	3.32	53.61	0.15	22.11	0.52	17.82	98.79	CP	Cr-diopside
7501 3710	63 46	96 29	14	7072337	624112	5	9	13.23	0.03	20.96	24.62	37.11	0.24	4.07	0.10	0.65	101.02	GA	almandine
7501 3712	63 47	96 29	14	7075000	624100	5	12	0.14	0.67	1.07	4.00	53.20	0.35	23.84	0.42	16.58	100.26	CP	diopside
7501 3714	63 49	96 29	14	7078981	623586	5	13	0.08	0.68	0.93	3.34	53.92	0.34	23.45	0.37	16.29	99.39	CP	diopside
7501 3714	63 49	96 29	14	7078981	623586	5	14	0.09	0.65	1.27	3.65	53.87	0.21	22.35	0.15	16.46	98.70	CP	diopside
7501 3716	63 49	96 30	14	7079700	623280	5	18	0.21	0.43	0.74	3.70	53.85	0.34	22.92	0.12	17.95	100.28	CP	diopside
7501 3716	63 49	96 30	14	7079700	623280	5	15	1.13	0.00	21.35	21.89	39.04	0.13	11.22	0.06	5.16	99.98	GA	almandine
7501 3716	63 49	96 30	14	7079700	623280	5	16	0.29	0.00	21.73	31.00	38.17	0.11	6.87	0.04	3.21	101.43	GA	almandine
7501 3716	63 49	96 30	14	7079700	623280	5	17	0.65	0.03	0.07	48.95	0.00	49.75	0.06	0.18	0.35	100.04	SP	ilmenite
7501 3751	63 35	96 29	14	7053243	625140	5	19	0.14	0.15	0.27	3.01	56.01	0.20	22.84	0.27	17.97	100.86	CP	diopside
7501 3751	63 35	96 29	14	7053243	625140	5	20	0.18	0.52	1.01	4.03	53.41	0.22	23.20	0.22	16.05	98.83	CP	diopside
7501 3753	63 33	96 29	14	7049866	624889	5	23	0.08	0.62	0.83	2.76	54.69	0.12	23.02	0.58	17.20	99.89	CP	Cr-diopside
7501 3753	63 33	96 29	14	7049866	624889	5	21	0.89	0.00	21.13	21.27	39.03	0.17	10.15	0.05	6.89	99.58	GA	almandine
7501 3753	63 33	96 29	14	7049866	624889	5	22	1.00	0.00	21.41	22.26	39.90	0.12	10.86	0.04	5.58	101.17	GA	almandine
7501 3801	63 38	96 27	14	7057747	626118	5	24	0.11	0.34	0.75	3.01	54.32	0.21	22.39	0.40	17.62	99.15	CP	diopside
7501 3801	63 38	96 27	14	7057747	626118	5	25	0.35	0.47	0.50	3.66	53.36	0.17	21.96	0.58	18.09	99.13	CP	Cr-diopside
7501 3803	63 39	96 27	14	7060893	625979	5	26	0.27	0.31	0.85	4.25	54.30	0.13	22.13	0.36	17.65	100.26	CP	diopside
7501 3804	63 40	96 27	14	7062811	626157	5	27	0.15	0.28	0.90	3.82	54.87	0.24	23.15	0.36	16.24	100.02	CP	diopside
7501 3804	63 40	96 27	14	7062811	626157	5	28	0.08	0.27	0.54	2.58	54.44	0.19	22.83	0.43	19.28	100.64	CP	diopside
7501 3804	63 40	96 27	14	7062811	626157	5	29	0.15	0.42	0.79	2.83	54.31	0.24	22.63	0.66	17.43	99.46	CP	Cr-diopside
7501 3804	63 40	96 27	14	7062811	626157	5	30	0.15	0.31	0.76	3.96	53.72	0.22	23.02	0.06	16.80	99.01	CP	diopside
7501 3804	63 40	96 27	14	7062811	626157	5	31	0.15	0.58	0.64	4.14	55.28	0.26	22.31	0.18	17.99	101.53	CP	diopside
7501 3804	63 40	96 27	14	7062811	626157	5	32	0.29	0.22	0.85	3.37	54.52	0.27	21.89	0.29	17.82	99.51	CP	diopside
7501 3804	63 40	96 27	14	7062811	626157	5	33	0.17	0.42	0.92	2.84	54.87	0.15	23.46	0.46	17.40	100.69	CP	diopside
7501 3804	63 40	96 27	14	7062811	626157	5	34	0.11	0.36	0.72	3.36	54.48	0.28	22.54	0.39	18.06	100.29	CP	diopside
7501 3807	63 43	96 28	14	7067839	625332	5	35	0.61	0.00	0.04	50.36	0.00	48.79	0.02	0.09	0.26	100.17	SP	ilmenite
7501 3808	63 44	96 27	14	7069024	625728	5	37	0.11	0.37	0.70	3.85	53.92	0.24	22.45	0.29	17.40	99.35	CP	diopside
7501 3808	63 44	96 27	14	7069024	625728	5	38	0.15	0.32	1.19	3.09	54.62	0.17	22.67	0.65	18.21	101.07	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 3808	63 44	96 27	14	7069024	625728	5	39	0.15	0.26	0.97	3.60	54.71	0.17	23.10	0.10	17.03	100.10	CP	diopside
7501 3808	63 44	96 27	14	7069024	625728	5	36	1.56	0.00	21.63	24.31	38.75	0.34	9.19	0.11	5.10	100.99	GA	almandine
7501 3809	63 45	96 27	14	7070546	625825	5	40	0.12	0.29	1.25	3.71	53.70	0.24	22.18	0.26	18.41	100.17	CP	diopside
7501 3810	63 45	96 27	14	7072340	625827	5	41	0.25	0.17	0.80	3.78	54.05	0.23	22.43	0.19	17.71	99.61	CP	diopside
7501 3810	63 45	96 27	14	7072340	625827	5	42	0.09	0.20	0.40	2.87	54.40	0.18	23.76	0.27	18.08	100.25	CP	diopside
7501 3810	63 45	96 27	14	7072340	625827	5	43	0.21	0.37	1.35	4.11	54.05	0.23	22.11	0.13	17.80	100.36	CP	diopside
7501 3810	63 45	96 27	14	7072340	625827	5	44	0.18	0.61	1.37	4.45	53.39	0.33	22.68	0.50	16.76	100.26	CP	Cr-diopside
7501 3810	63 45	96 27	14	7072340	625827	5	45	0.09	0.42	1.00	4.12	54.68	0.25	22.10	0.15	17.31	100.10	CP	diopside
7501 3813	63 48	96 27	14	7077226	625552	5	46	0.15	0.15	0.65	2.93	54.56	0.23	23.15	0.69	17.68	100.18	CP	Cr-diopside
7501 3816	63 51	96 27	14	7082134	625086	5	47	0.09	0.27	0.62	3.29	53.44	0.33	22.65	0.54	17.54	98.78	CP	Cr-diopside
7501 3816	63 51	96 27	14	7082134	625086	5	48	0.19	0.57	0.91	3.27	54.51	0.29	22.80	0.37	16.38	99.28	CP	diopside
7501 3816	63 51	96 27	14	7082134	625086	5	49	0.17	0.40	0.27	3.47	53.59	0.23	23.27	0.15	17.05	98.57	CP	diopside
7501 3850	63 36	96 27	14	7054843	626290	5	53	0.11	0.32	0.85	2.93	53.90	0.19	22.54	0.58	17.55	98.97	CP	Cr-diopside
7501 3850	63 36	96 27	14	7054843	626290	5	50	0.92	0.00	20.82	25.19	37.36	0.29	13.58	0.02	1.28	99.45	GA	almandine
7501 3850	63 36	96 27	14	7054843	626290	5	51	0.47	0.00	21.09	25.46	39.13	0.13	11.28	0.15	2.63	100.35	GA	almandine
7501 3850	63 36	96 27	14	7054843	626290	5	52	0.47	0.00	20.06	25.83	38.63	0.22	13.25	0.07	1.51	100.05	GA	almandine
7501 3851	63 35	96 27	14	7053148	626476	5	54	0.21	0.37	0.53	3.56	54.57	0.21	22.48	0.49	16.84	99.25	CP	diopside
7501 3852	63 34	96 27	14	7051890	626552	5	57	0.17	0.52	1.12	3.51	53.26	0.20	20.65	1.20	18.08	98.70	CP	Cr-diopside
7501 3852	63 34	96 27	14	7051890	626552	5	58	0.12	0.37	0.88	4.28	53.95	0.26	22.12	0.10	16.96	99.04	CP	diopside
7501 3852	63 34	96 27	14	7051890	626552	5	56	0.43	0.00	21.79	24.10	39.41	0.21	10.11	0.08	5.35	101.48	GA	almandine
7501 3852	63 34	96 27	14	7051890	626552	5	55	0.28	0.00	21.79	22.61	39.65	0.21	10.85	0.07	5.93	101.40	GA	almandine
7501 3858	63 55	95 28	15	7089944	378629	5	59	0.35	0.03	22.00	22.73	39.68	0.33	5.27	0.17	8.80	99.35	GA	almandine
7501 3858	63 55	95 28	15	7089944	378629	5	60	5.55	0.11	20.93	21.77	38.19	0.22	12.77	0.11	0.66	100.31	GA	almandine
7501 3858	63 55	95 28	15	7089944	378629	5	61	0.48	0.01	20.86	27.59	38.79	0.31	6.92	0.06	5.14	100.18	GA	almandine
7501 3900	63 37	96 26	14	7056484	627566	5	63	0.08	0.24	0.45	2.90	54.55	0.17	23.47	0.54	17.92	100.32	CP	Cr-diopside
7501 3900	63 37	96 26	14	7056484	627566	5	62	0.41	0.00	19.68	35.58	39.19	0.14	2.27	0.08	2.98	100.33	GA	almandine
7501 3902	63 39	96 26	14	7059644	627490	5	64	0.15	0.38	1.52	5.70	53.17	0.32	22.02	0.11	15.50	98.88	CP	diopside
7501 3902	63 39	96 26	14	7059644	627490	5	65	0.06	0.39	1.29	3.20	54.32	0.50	24.12	0.56	16.74	101.19	CP	Cr-diopside
7501 3903	63 39	96 25	14	7061129	627652	5	66	0.12	0.46	0.90	3.49	53.87	0.23	23.00	0.58	17.13	99.78	CP	Cr-diopside
7501 3903	63 39	96 25	14	7061129	627652	5	67	0.11	0.23	0.92	4.31	53.86	0.20	22.44	0.22	17.65	99.93	CP	diopside
7501 3904	63 41	96 25	14	7063258	627520	5	68	0.28	0.31	0.96	4.66	54.79	0.29	22.13	0.20	17.49	101.12	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 3904	63 41	96 25	14	7063258	627520	5	69	0.24	0.26	0.83	3.43	55.06	0.15	22.64	0.11	17.94	100.65	CP	diopside
7501 3905	63 41	96 25	14	7064501	627635	5	70	0.19	0.41	1.35	5.11	52.24	0.33	22.26	0.26	16.77	98.92	CP	diopside
7501 3905	63 41	96 25	14	7064501	627635	5	71	0.08	0.34	0.92	3.23	55.45	0.22	22.95	0.61	16.84	100.64	CP	Cr-diopside
7501 3907	63 43	96 26	14	7067733	627050	5	72	0.18	0.31	1.30	4.38	54.08	0.39	22.16	0.46	16.96	100.23	CP	diopside
7501 3907	63 43	96 26	14	7067733	627050	5	73	0.15	0.53	1.15	4.04	53.37	0.19	22.26	0.45	17.00	99.13	CP	diopside
7501 3908	63 44	96 25	14	7069063	627710	5	74	0.14	0.64	1.47	4.29	53.71	0.31	22.75	0.22	15.62	99.15	CP	diopside
7501 3908	63 44	96 25	14	7069063	627710	5	75	0.03	0.36	1.14	4.46	54.67	0.23	22.79	0.22	16.83	100.73	CP	diopside
7501 3908	63 44	96 25	14	7069063	627710	5	76	0.09	0.15	0.44	2.78	54.94	0.19	23.85	0.19	17.09	99.73	CP	diopside
7501 3910	63 46	96 25	14	7072639	627143	5	78	0.28	0.49	0.97	5.50	52.99	0.36	22.60	0.11	16.23	99.54	CP	diopside
7501 3910	63 46	96 25	14	7072639	627143	5	79	0.24	0.18	0.56	3.56	55.42	0.17	22.72	0.20	17.01	100.06	CP	diopside
7501 3910	63 46	96 25	14	7072639	627143	5	80	0.15	1.01	0.88	3.05	54.74	0.33	22.93	0.57	17.17	100.82	CP	Cr-diopside
7501 3910	63 46	96 25	14	7072639	627143	5	81	0.14	0.29	0.97	4.35	53.98	0.15	21.90	0.24	18.72	100.75	CP	diopside
7501 3910	63 46	96 25	14	7072639	627143	5	82	0.17	0.28	0.58	3.52	54.95	0.23	23.06	0.13	17.08	99.99	CP	diopside
7501 3910	63 46	96 25	14	7072639	627143	5	77	0.14	0.15	0.63	2.98	53.97	0.13	23.12	0.33	17.41	98.84	CP	diopside
7501 3912	63 47	96 26	14	7075793	626750	5	85	0.11	0.24	1.15	3.05	53.36	0.14	22.99	0.61	17.71	99.34	CP	Cr-diopside
7501 3912	63 47	96 26	14	7075793	626750	5	86	0.17	0.79	1.07	3.53	54.31	0.23	23.00	0.27	16.42	99.80	CP	diopside
7501 3912	63 47	96 26	14	7075793	626750	5	83	0.62	0.00	0.01	49.02	0.00	49.76	0.04	0.06	1.00	100.52	SP	ilmenite
7501 3912	63 47	96 26	14	7075793	626750	5	84	0.78	0.08	0.14	49.21	0.00	50.23	0.02	0.11	0.16	100.73	SP	ilmenite
7501 3913	63 48	96 23	14	7077407	628573	5	91	0.06	0.72	1.01	3.82	53.86	0.31	22.15	0.15	17.19	99.27	CP	diopside
7501 3913	63 48	96 23	14	7077407	628573	5	92	0.12	0.37	0.60	3.69	54.66	0.23	23.37	0.20	16.26	99.49	CP	diopside
7501 3913	63 48	96 23	14	7077407	628573	5	93	0.19	0.37	0.52	4.28	53.75	0.19	22.20	0.04	17.78	99.32	CP	diopside
7501 3913	63 48	96 23	14	7077407	628573	5	94	0.06	0.46	0.76	3.32	54.57	0.23	22.47	0.57	18.13	100.56	CP	Cr-diopside
7501 3913	63 48	96 23	14	7077407	628573	5	95	0.12	0.21	0.51	2.90	55.30	0.22	23.06	0.48	17.64	100.43	CP	diopside
7501 3913	63 48	96 23	14	7077407	628573	5	96	0.19	0.29	0.70	3.12	54.42	0.10	23.17	0.28	17.91	100.17	CP	diopside
7501 3913	63 48	96 23	14	7077407	628573	5	97	0.09	0.62	1.19	3.45	54.58	0.20	22.66	0.25	17.54	100.58	CP	diopside
7501 3913	63 48	96 23	14	7077407	628573	5	87	0.70	0.00	20.85	30.27	38.59	0.14	1.36	0.17	6.70	98.77	GA	almandine
7501 3913	63 48	96 23	14	7077407	628573	5	88	2.39	0.00	21.15	31.44	37.40	0.15	1.48	0.08	6.21	100.30	GA	almandine
7501 3913	63 48	96 23	14	7077407	628573	5	89	0.63	0.03	20.48	25.64	38.30	0.19	8.51	0.04	5.02	98.86	GA	almandine
7501 3913	63 48	96 23	14	7077407	628573	5	90	0.26	0.00	22.45	21.45	38.07	0.18	10.57	0.02	6.13	99.13	GA	almandine
7501 3914	63 49	96 25	14	7078812	627287	5	99	0.06	0.09	1.14	2.82	53.40	0.20	23.96	0.54	17.69	99.90	CP	Cr-diopside
7501 3914	63 49	96 25	14	7078812	627287	5	100	0.18	0.90	1.05	3.25	55.63	0.23	22.95	0.27	17.01	101.47	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 3914	63 49	96 25	14	7078812	627287	5	98	0.90	0.00	21.12	21.47	38.98	0.24	9.76	0.12	6.77	99.36	GA	almandine
7501 3916	63 51	96 25	14	7082080	626854	6	2	0.18	0.35	1.02	3.63	54.68	0.19	22.27	0.13	17.74	100.19	CP	diopside
7501 3916	63 51	96 25	14	7082080	626854	6	3	0.09	0.48	0.87	3.75	53.90	0.23	23.69	0.23	16.78	100.03	CP	diopside
7501 3916	63 51	96 25	14	7082080	626854	6	1	0.62	0.01	21.66	25.64	38.21	0.18	8.77	0.00	4.83	99.93	GA	almandine
7501 3951	63 35	96 25	14	7052894	628057	6	5	0.11	0.51	0.36	3.94	54.60	0.23	22.59	0.15	16.96	99.45	CP	diopside
7501 3951	63 35	96 25	14	7052894	628057	6	4	0.96	0.05	20.77	26.16	38.61	0.17	11.11	0.02	1.85	99.69	GA	almandine
7501 3958	63 55	95 27	15	7090043	380100	6	6	0.12	0.33	0.62	2.99	54.38	0.24	23.01	0.54	17.22	99.47	CP	Cr-diopside
7501 4002	63 39	96 23	14	7059981	629708	6	8	0.08	0.35	0.65	3.55	53.41	0.25	23.09	0.21	17.08	98.67	CP	diopside
7501 4002	63 39	96 23	14	7059981	629708	6	9	0.15	0.57	0.97	3.65	54.80	0.27	23.04	0.40	17.35	101.20	CP	diopside
7501 4002	63 39	96 23	14	7059981	629708	6	10	0.22	0.37	0.79	3.62	54.99	0.26	22.80	0.49	16.80	100.35	CP	diopside
7501 4002	63 39	96 23	14	7059981	629708	6	11	0.12	0.23	0.63	3.04	53.20	0.27	23.77	0.39	17.62	99.27	CP	diopside
7501 4002	63 39	96 23	14	7059981	629708	6	7	20.23	0.03	20.12	20.62	37.00	0.18	0.54	0.01	1.15	99.88	GA	spessartine
7501 4003	63 39	96 24	14	7061208	629048	6	12	0.14	0.26	1.04	4.14	54.30	0.23	22.60	0.37	17.37	100.45	CP	diopside
7501 4004	63 40	96 24	14	7063182	628805	6	14	0.12	0.44	1.21	3.51	53.32	0.25	22.72	0.27	18.46	100.30	CP	diopside
7501 4004	63 40	96 24	14	7063182	628805	6	15	0.09	0.26	1.06	3.42	53.81	0.26	22.32	0.63	17.50	99.35	CP	Cr-diopside
7501 4004	63 40	96 24	14	7063182	628805	6	16	0.12	0.35	1.68	3.67	54.38	0.27	21.81	0.27	17.02	99.56	CP	diopside
7501 4004	63 40	96 24	14	7063182	628805	6	17	0.11	0.35	0.66	3.87	54.78	0.18	22.64	0.49	18.43	101.50	CP	diopside
7501 4004	63 40	96 24	14	7063182	628805	6	18	0.15	0.26	0.85	3.94	54.37	0.25	22.39	0.14	17.76	100.10	CP	diopside
7501 4004	63 40	96 24	14	7063182	628805	6	19	0.21	0.27	0.72	3.59	54.12	0.19	22.91	0.17	18.04	100.23	CP	diopside
7501 4004	63 40	96 24	14	7063182	628805	6	13	1.65	0.00	21.18	31.05	38.45	0.12	2.00	0.11	5.92	100.47	GA	almandine
7501 4005	63 41	96 23	14	7064375	629328	6	23	0.16	0.21	1.10	4.67	53.78	0.29	21.70	0.23	17.08	99.24	CP	diopside
7501 4005	63 41	96 23	14	7064375	629328	6	24	0.15	0.37	1.05	3.68	53.68	0.31	22.41	0.70	17.43	99.76	CP	Cr-diopside
7501 4005	63 41	96 23	14	7064375	629328	6	25	0.12	0.07	0.99	3.66	54.10	0.24	22.97	0.56	17.60	100.31	CP	Cr-diopside
7501 4005	63 41	96 23	14	7064375	629328	6	26	0.21	0.32	0.59	3.50	54.31	0.25	22.47	0.34	16.77	98.75	CP	diopside
7501 4005	63 41	96 23	14	7064375	629328	6	21	0.45	0.03	21.26	17.82	40.34	0.18	9.72	0.01	8.84	98.65	GA	almandine
7501 4005	63 41	96 23	14	7064375	629328	6	20	13.34	0.00	19.72	21.29	38.93	0.23	6.11	0.08	0.73	100.43	GA	almandine
7501 4005	63 41	96 23	14	7064375	629328	6	22	0.35	0.00	0.00	49.24	0.00	49.41	0.01	0.07	0.56	99.64	SP	ilmenite
7501 4006	63 42	96 23	14	7066266	629087	6	27	0.09	0.16	0.91	3.25	55.31	0.20	22.54	0.27	18.13	100.87	CP	diopside
7501 4006	63 42	96 23	14	7066266	629087	6	28	0.09	0.21	0.89	3.75	55.08	0.17	21.45	0.32	18.89	100.86	CP	diopside
7501 4007	63 43	96 23	14	7067632	628984	6	30	0.27	0.61	1.15	5.13	53.65	0.21	21.61	0.06	17.93	100.63	CP	diopside
7501 4007	63 43	96 23	14	7067632	628984	6	31	0.19	0.48	1.16	4.19	53.90	0.26	22.13	0.13	17.65	100.09	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 4007	63 43	96 23	14	7067632	628984	6	32	0.22	0.51	0.94	3.81	55.07	0.19	21.81	0.23	18.07	100.86	CP	diopside
7501 4007	63 43	96 23	14	7067632	628984	6	29	0.89	0.00	21.23	23.51	39.20	0.16	12.29	0.04	3.13	100.43	GA	almandine
7501 4011	63 46	96 23	14	7074249	629399	6	33	0.18	0.35	0.81	3.58	54.42	0.30	23.10	0.37	17.26	100.36	CP	diopside
7501 4011	63 46	96 23	14	7074249	629399	6	34	0.18	0.20	0.92	3.36	54.11	0.33	23.10	0.41	16.63	99.23	CP	diopside
7501 4016	63 51	96 23	14	7082151	628517	6	37	0.14	0.90	1.27	3.90	54.85	0.22	22.70	0.22	16.75	100.94	CP	diopside
7501 4016	63 51	96 23	14	7082151	628517	6	38	0.28	0.38	0.66	3.69	52.91	0.27	22.10	0.22	18.03	98.53	CP	diopside
7501 4016	63 51	96 23	14	7082151	628517	6	35	0.09	0.00	0.24	0.80	96.53	0.08	0.02	0.00	0.00	97.77	SP	quartz
7501 4016	63 51	96 23	14	7082151	628517	6	36	0.51	0.00	0.13	48.42	0.00	50.76	0.03	0.05	0.50	100.39	SP	ilmenite
7501 4101	63 38	96 21	14	7058700	631350	6	39	0.08	0.43	0.78	4.17	54.12	0.14	22.80	0.29	17.89	100.70	CP	diopside
7501 4101	63 38	96 21	14	7058700	631350	6	40	0.21	0.52	1.13	4.70	54.17	0.23	21.63	0.11	17.63	100.33	CP	diopside
7501 4102	63 38	96 21	14	7059263	631056	6	42	0.19	0.40	0.91	3.38	54.55	0.23	22.86	0.54	17.55	100.61	CP	Cr-diopside
7501 4102	63 38	96 21	14	7059263	631056	6	41	0.59	0.00	0.00	50.01	0.00	49.87	0.00	0.09	0.59	101.15	SP	ilmenite
7501 4104	63 41	96 21	14	7063416	630694	6	43	0.12	0.38	0.70	3.51	55.89	0.13	21.82	0.22	17.97	100.74	CP	diopside
7501 4104	63 41	96 21	14	7063416	630694	6	44	0.11	0.29	0.53	2.69	53.32	0.22	23.14	0.73	18.09	99.11	CP	Cr-diopside
7501 4108	63 44	96 22	14	7069420	630295	6	45	0.09	0.52	0.67	2.84	54.24	0.33	23.81	0.66	17.29	100.45	CP	Cr-diopside
7501 4108	63 44	96 22	14	7069420	630295	6	46	0.08	0.18	0.62	2.97	54.46	0.18	22.98	0.24	17.88	99.57	CP	diopside
7501 4109	63 45	96 22	14	7071484	630140	6	47	0.18	0.26	1.01	4.05	55.18	0.34	22.29	0.19	17.14	100.64	CP	diopside
7501 4109	63 45	96 22	14	7071484	630140	6	48	0.11	0.26	1.04	3.62	55.85	0.20	22.52	0.26	16.65	100.50	CP	diopside
7501 4110	63 45	96 21	14	7072495	630438	6	50	0.14	0.38	1.01	4.04	55.61	0.13	22.35	0.19	17.54	101.38	CP	diopside
7501 4110	63 45	96 21	14	7072495	630438	6	49	0.61	0.00	0.01	50.04	0.00	49.72	0.01	0.05	0.34	100.78	SP	ilmenite
7501 4111	63 46	96 21	14	7073715	631036	6	51	0.18	0.67	1.03	3.15	55.09	0.23	22.63	0.68	17.62	101.29	CP	Cr-diopside
7501 4113	63 48	96 22	14	7077318	629859	6	52	0.05	0.22	0.89	3.08	55.78	0.19	23.05	0.29	17.16	100.70	CP	diopside
7501 4115	63 50	96 21	14	7080650	630441	6	53	0.11	0.24	0.78	3.62	53.57	0.25	22.24	0.49	17.33	98.62	CP	diopside
7501 4115	63 50	96 21	14	7080650	630441	6	54	0.12	0.27	0.77	3.59	53.68	0.26	23.02	0.22	17.52	99.46	CP	diopside
7501 4115	63 50	96 21	14	7080650	630441	6	55	0.16	0.21	0.80	3.86	54.52	0.23	22.57	0.35	17.11	99.81	CP	diopside
7501 4151	63 35	96 21	14	7053406	631452	6	56	0.21	0.37	0.43	3.38	54.59	0.24	23.02	0.43	17.55	100.22	CP	diopside
7501 4153	63 34	96 21	14	7050503	631307	6	57	0.18	0.63	0.77	3.40	54.72	0.25	22.70	0.35	16.42	99.42	CP	diopside
7501 4154	63 54	95 23	15	7088064	382757	6	58	0.24	0.44	0.74	4.52	55.45	0.16	21.46	0.10	18.11	101.22	CP	diopside
7501 4200	63 37	96 19	14	7057182	632928	6	61	0.09	0.38	0.71	2.98	54.67	0.21	21.80	0.28	18.38	99.50	CP	diopside
7501 4200	63 37	96 19	14	7057182	632928	6	59	0.12	0.21	1.15	3.76	53.98	0.19	22.32	0.19	17.22	99.15	CP	diopside
7501 4200	63 37	96 19	14	7057182	632928	6	60	0.18	0.19	1.38	3.26	54.64	0.22	22.68	1.00	17.30	100.86	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 4201	63 38	96 19	14	7058253	632716	6	63	0.06	0.35	0.38	3.68	54.64	0.14	22.97	0.02	18.44	100.69	CP	diopside
7501 4201	63 38	96 19	14	7058253	632716	6	64	0.11	0.13	1.21	4.53	54.53	0.18	21.99	0.11	17.37	100.17	CP	diopside
7501 4201	63 38	96 19	14	7058253	632716	6	62	0.70	0.05	0.13	48.80	0.00	49.67	0.01	0.09	0.03	99.48	SP	ilmenite
7501 4202	63 39	96 19	14	7060217	632639	6	66	0.15	0.30	0.72	3.30	54.54	0.19	22.52	0.12	18.04	99.87	CP	diopside
7501 4202	63 39	96 19	14	7060217	632639	6	67	0.09	0.20	1.05	4.50	54.49	0.20	22.00	0.20	17.18	99.89	CP	diopside
7501 4202	63 39	96 19	14	7060217	632639	6	68	0.18	0.39	1.50	4.99	54.96	0.33	22.39	0.12	16.53	101.40	CP	diopside
7501 4202	63 39	96 19	14	7060217	632639	6	69	0.09	0.47	0.86	4.02	54.97	0.18	21.76	0.14	17.58	100.07	CP	diopside
7501 4202	63 39	96 19	14	7060217	632639	6	70	0.15	0.34	1.24	4.57	53.11	0.34	22.11	0.22	17.13	99.20	CP	diopside
7501 4202	63 39	96 19	14	7060217	632639	6	65	1.14	0.00	20.62	23.73	38.83	0.17	10.37	0.10	4.24	99.20	GA	almandine
7501 4203	63 40	96 20	14	7062087	631966	6	71	0.18	0.44	0.92	3.51	54.18	0.24	23.20	0.56	17.27	100.49	CP	Cr-diopside
7501 4203	63 40	96 20	14	7062087	631966	6	72	0.11	0.32	1.08	3.78	53.98	0.26	22.10	0.27	18.30	100.20	CP	diopside
7501 4203	63 40	96 20	14	7062087	631966	6	73	0.15	0.24	0.78	3.70	54.62	0.22	22.95	0.35	16.94	99.94	CP	diopside
7501 4204	63 41	96 20	14	7063444	632066	6	74	0.12	0.27	1.14	4.00	55.34	0.17	22.50	0.31	17.56	101.43	CP	diopside
7501 4204	63 41	96 20	14	7063444	632066	6	75	0.19	0.32	0.78	3.06	54.12	0.21	23.66	0.30	16.93	99.57	CP	diopside
7501 4205	63 41	96 20	14	7064656	632271	6	76	0.11	0.36	0.29	2.91	54.63	0.18	23.34	0.17	17.55	99.56	CP	diopside
7501 4205	63 41	96 20	14	7064656	632271	6	77	0.15	1.03	1.53	3.53	53.74	0.26	22.11	0.37	16.44	99.15	CP	diopside
7501 4205	63 41	96 20	14	7064656	632271	6	78	0.09	0.44	0.65	3.13	54.07	0.29	23.13	0.25	17.59	99.64	CP	diopside
7501 4205	63 41	96 20	14	7064656	632271	6	79	0.12	0.38	0.78	3.17	54.14	0.24	23.34	0.63	17.51	100.31	CP	Cr-diopside
7501 4205	63 41	96 20	14	7064656	632271	6	80	0.12	0.32	0.84	4.12	54.07	0.27	22.46	0.02	17.04	99.24	CP	diopside
7501 4205	63 41	96 20	14	7064656	632271	6	81	0.18	0.23	0.95	4.23	53.55	0.23	21.99	0.23	17.45	99.03	CP	diopside
7501 4205	63 41	96 20	14	7064656	632271	6	82	0.08	0.21	1.03	4.29	53.74	0.25	22.42	0.19	17.79	100.00	CP	diopside
7501 4205	63 41	96 20	14	7064656	632271	6	83	0.06	0.21	0.97	4.06	54.75	0.28	22.23	0.25	18.25	101.07	CP	diopside
7501 4205	63 41	96 20	14	7064656	632271	6	84	0.15	0.29	0.33	2.74	54.30	0.24	23.40	0.42	16.95	98.82	CP	diopside
7501 4205	63 41	96 20	14	7064656	632271	6	85	0.21	0.53	1.33	5.17	53.22	0.20	22.02	0.09	16.18	98.96	CP	diopside
7501 4205	63 41	96 20	14	7064656	632271	6	86	0.19	0.46	1.54	4.61	54.21	0.27	22.12	0.10	16.93	100.44	CP	diopside
7501 4205	63 41	96 20	14	7064656	632271	6	87	0.16	0.30	0.54	3.18	54.78	0.21	23.61	0.18	16.83	99.79	CP	diopside
7501 4205	63 41	96 20	14	7064656	632271	6	88	0.14	0.19	0.46	2.79	54.90	0.25	23.68	0.07	17.90	100.38	CP	diopside
7501 4205	63 41	96 20	14	7064656	632271	6	89	0.11	0.38	0.90	3.44	54.67	0.21	21.98	0.12	17.84	99.64	CP	diopside
7501 4205	63 41	96 20	14	7064656	632271	6	90	0.09	0.41	0.50	2.93	54.73	0.31	23.50	0.38	18.20	101.06	CP	diopside
7501 4206	63 42	96 20	14	7066522	632056	6	91	0.16	0.41	0.95	3.34	53.65	0.20	23.09	0.59	17.12	99.51	CP	Cr-diopside
7501 4207	63 43	96 19	14	7067955	632447	6	92	0.18	0.32	0.65	3.50	53.70	0.28	22.31	0.65	17.50	99.09	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 4208	63 44	96 19	14	7069807	632524	6	93	0.15	0.38	0.63	3.58	55.51	0.22	21.78	0.21	17.50	99.96	CP	diopside
7501 4208	63 44	96 19	14	7069807	632524	6	94	0.19	0.26	0.72	3.49	54.27	0.36	22.49	0.42	17.67	99.86	CP	diopside
7501 4209	63 45	96 19	14	7071539	632287	6	96	0.14	0.39	0.57	3.05	55.61	0.24	22.49	0.41	17.41	100.32	CP	diopside
7501 4209	63 45	96 19	14	7071539	632287	6	97	0.15	0.36	0.89	3.59	55.07	0.24	22.69	0.47	17.79	101.25	CP	diopside
7501 4209	63 45	96 19	14	7071539	632287	6	98	0.08	0.27	0.89	3.54	54.11	0.23	22.44	0.36	17.13	99.05	CP	diopside
7501 4209	63 45	96 19	14	7071539	632287	6	95	0.27	0.00	20.88	21.22	39.50	0.16	9.94	0.01	7.49	99.47	GA	almandine
7501 4214	63 49	96 19	14	7079130	631716	6	100	0.11	0.54	0.94	3.62	53.71	0.22	22.73	0.38	16.78	99.01	CP	diopside
7501 4214	63 49	96 19	14	7079130	631716	6	99	0.05	1.25	1.76	3.62	53.93	0.29	21.36	0.69	15.74	98.68	CP	Cr-diopside
7501 4216	63 51	96 20	14	7082510	631509	7	1	0.14	0.48	0.99	4.20	54.26	0.32	23.32	0.27	15.26	99.23	CP	diopside
7501 4216	63 51	96 20	14	7082510	631509	7	2	0.18	0.73	1.33	4.19	53.56	0.31	23.16	0.20	16.85	100.51	CP	diopside
7501 4217	63 52	96 19	14	7083834	631877	7	3	0.18	0.82	1.04	4.04	55.13	0.22	22.03	0.15	17.19	100.79	CP	diopside
7501 4217	63 52	96 19	14	7083834	631877	7	4	0.18	0.68	0.98	3.62	54.06	0.18	22.43	0.58	17.81	100.52	CP	Cr-diopside
7501 4217	63 52	96 19	14	7083834	631877	7	5	0.14	0.65	0.92	3.76	54.34	0.22	22.64	0.28	17.85	100.81	CP	diopside
7501 4217	63 52	96 19	14	7083834	631877	7	6	0.08	0.48	0.83	3.54	54.47	0.23	23.51	0.23	17.69	101.05	CP	diopside
7501 4217	63 52	96 19	14	7083834	631877	7	7	0.15	0.66	1.21	3.78	54.79	0.28	22.66	0.24	17.58	101.34	CP	diopside
7501 4217	63 52	96 19	14	7083834	631877	7	8	0.14	0.85	1.16	3.30	53.87	0.28	22.91	0.52	18.49	101.51	CP	Cr-diopside
7501 4253	63 33	96 19	14	7050378	633038	7	9	0.12	0.27	0.71	3.33	53.35	0.39	23.14	0.60	17.26	99.18	CP	Cr-diopside
7501 4300	63 37	96 17	14	7056850	634434	7	10	0.21	0.29	0.94	3.93	53.97	0.28	22.62	0.15	17.29	99.66	CP	diopside
7501 4300	63 37	96 17	14	7056850	634434	7	11	0.14	0.21	0.64	3.65	54.74	0.27	22.69	0.20	17.46	100.01	CP	diopside
7501 4300	63 37	96 17	14	7056850	634434	7	12	0.11	0.49	1.11	4.47	53.60	0.24	22.22	0.17	18.58	100.99	CP	diopside
7501 4301	63 38	96 17	14	7058254	634343	7	13	0.08	0.55	0.91	3.00	53.40	0.15	23.55	0.65	18.19	100.48	CP	Cr-diopside
7501 4301	63 38	96 17	14	7058254	634343	7	14	0.12	0.26	0.73	3.16	55.64	0.19	22.77	0.30	17.94	101.11	CP	diopside
7501 4301	63 38	96 17	14	7058254	634343	7	15	0.22	0.28	1.06	4.22	54.28	0.16	22.50	0.19	18.23	101.15	CP	diopside
7501 4301	63 38	96 17	14	7058254	634343	7	16	0.21	0.44	0.65	3.36	53.51	0.20	21.49	0.63	18.30	98.80	CP	Cr-diopside
7501 4301	63 38	96 17	14	7058254	634343	7	17	0.21	0.22	0.93	4.13	53.72	0.21	22.62	0.13	16.89	99.05	CP	diopside
7501 4301	63 38	96 17	14	7058254	634343	7	18	0.17	0.49	0.76	3.34	54.28	0.17	21.44	0.82	18.61	100.08	CP	Cr-diopside
7501 4302	63 39	96 18	14	7060313	633641	7	19	0.19	0.35	0.84	4.30	54.37	0.26	22.41	0.17	17.46	100.36	CP	diopside
7501 4302	63 39	96 18	14	7060313	633641	7	20	0.12	0.29	0.98	3.96	53.94	0.19	22.63	0.32	18.49	100.94	CP	diopside
7501 4302	63 39	96 18	14	7060313	633641	7	21	0.09	0.15	0.65	2.86	54.19	0.15	23.64	0.54	17.89	100.17	CP	Cr-diopside
7501 4302	63 39	96 18	14	7060313	633641	7	22	0.06	0.34	1.15	3.92	54.61	0.23	22.26	0.27	17.48	100.31	CP	diopside
7501 4303	63 40	96 17	14	7061646	634097	7	24	0.19	0.17	0.91	3.99	54.59	0.17	21.69	0.24	18.60	100.55	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 4303	63 40	96 17	14	7061646	634097	7	25	0.12	0.48	0.97	4.09	53.20	0.26	22.39	0.43	17.23	99.17	CP	diopside
7501 4303	63 40	96 17	14	7061646	634097	7	26	0.19	0.49	0.84	3.68	54.05	0.27	22.42	0.19	17.66	99.78	CP	diopside
7501 4303	63 40	96 17	14	7061646	634097	7	27	0.12	0.26	0.84	3.40	54.70	0.25	22.25	0.19	18.02	100.03	CP	diopside
7501 4303	63 40	96 17	14	7061646	634097	7	28	0.27	0.45	0.94	3.41	53.16	0.33	23.13	0.77	16.55	99.00	CP	Cr-diopside
7501 4303	63 40	96 17	14	7061646	634097	7	23	0.56	0.14	0.14	49.88	0.00	49.06	0.02	0.06	0.16	100.04	SP	ilmenite
7501 4304	63 40	96 17	14	7063292	634026	7	31	0.14	0.17	0.94	3.87	54.17	0.26	21.96	0.15	18.30	99.95	CP	diopside
7501 4304	63 40	96 17	14	7063292	634026	7	32	0.11	0.23	0.88	3.01	54.55	0.21	22.05	0.51	18.30	99.83	CP	Cr-diopside
7501 4304	63 40	96 17	14	7063292	634026	7	33	0.11	0.38	0.67	2.88	55.24	0.17	22.93	0.22	18.24	100.85	CP	diopside
7501 4304	63 40	96 17	14	7063292	634026	7	34	0.17	0.20	0.84	3.80	54.36	0.25	21.92	0.20	17.81	99.55	CP	diopside
7501 4304	63 40	96 17	14	7063292	634026	7	35	0.17	0.46	0.89	3.17	54.04	0.22	23.43	0.31	17.30	99.98	CP	diopside
7501 4304	63 40	96 17	14	7063292	634026	7	36	0.05	0.37	0.89	3.71	53.12	0.38	22.64	0.32	17.44	98.92	CP	diopside
7501 4304	63 40	96 17	14	7063292	634026	7	37	0.15	0.30	0.89	5.04	52.93	0.29	22.03	0.06	17.47	99.16	CP	diopside
7501 4304	63 40	96 17	14	7063292	634026	7	38	0.14	0.62	0.91	3.47	53.43	0.33	23.30	0.32	16.87	99.39	CP	diopside
7501 4304	63 40	96 17	14	7063292	634026	7	29	0.38	0.00	21.67	20.99	38.75	0.29	9.73	0.11	8.47	100.38	GA	almandine
7501 4304	63 40	96 17	14	7063292	634026	7	30	0.59	0.06	0.00	49.69	0.00	49.81	0.05	0.07	0.16	100.43	SP	ilmenite
7501 4305	63 41	96 17	14	7064585	634102	7	39	0.15	0.17	0.87	3.78	55.04	0.29	22.84	0.41	17.37	100.93	CP	diopside
7501 4305	63 41	96 17	14	7064585	634102	7	40	0.20	0.25	0.38	3.68	55.90	0.22	22.53	0.11	18.15	101.41	CP	diopside
7501 4305	63 41	96 17	14	7064585	634102	7	41	0.12	0.56	1.23	3.22	54.24	0.14	21.73	0.72	19.05	101.01	CP	Cr-diopside
7501 4305	63 41	96 17	14	7064585	634102	7	42	0.12	0.28	1.17	3.80	53.97	0.24	22.30	0.26	17.08	99.22	CP	diopside
7501 4305	63 41	96 17	14	7064585	634102	7	43	0.23	0.33	0.74	3.65	54.34	0.24	23.22	0.55	17.63	100.94	CP	Cr-diopside
7501 4305	63 41	96 17	14	7064585	634102	7	44	0.12	0.42	1.22	3.47	53.36	0.29	21.58	1.13	17.95	99.55	CP	Cr-diopside
7501 4305	63 41	96 17	14	7064585	634102	7	45	0.28	0.48	0.59	3.35	54.90	0.26	22.93	0.30	17.89	100.99	CP	diopside
7501 4305	63 41	96 17	14	7064585	634102	7	46	0.12	0.35	1.67	3.84	53.16	0.26	22.34	0.17	17.11	99.03	CP	diopside
7501 4305	63 41	96 17	14	7064585	634102	7	47	0.24	0.37	0.92	3.41	54.50	0.18	22.77	0.50	16.36	99.26	CP	Cr-diopside
7501 4306	63 42	96 18	14	7066109	633665	7	48	0.15	0.27	0.80	3.04	55.29	0.24	22.72	0.15	18.22	100.88	CP	diopside
7501 4306	63 42	96 18	14	7066109	633665	7	49	0.12	0.17	1.17	3.79	54.14	0.19	22.65	0.28	17.48	99.98	CP	diopside
7501 4306	63 42	96 18	14	7066109	633665	7	50	0.15	0.21	0.87	3.64	55.48	0.23	22.46	0.22	17.25	100.52	CP	diopside
7501 4306	63 42	96 18	14	7066109	633665	7	51	0.21	0.20	1.08	3.09	54.94	0.22	22.95	0.54	17.80	101.03	CP	Cr-diopside
7501 4306	63 42	96 18	14	7066109	633665	7	52	0.20	0.27	0.97	4.80	54.27	0.24	22.17	0.11	17.38	100.39	CP	diopside
7501 4306	63 42	96 18	14	7066109	633665	7	53	0.09	0.47	0.80	3.27	52.95	0.29	23.60	0.55	16.70	98.70	CP	Cr-diopside
7501 4307	63 43	96 18	14	7067775	633620	7	54	0.15	0.37	0.69	4.15	53.97	0.27	22.80	0.30	17.28	99.97	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 4307	63 43	96 18	14	7067775	633620	7	55	0.14	0.32	0.70	3.08	53.65	0.13	22.77	0.14	18.92	99.85	CP	diopside
7501 4309	63 45	96 17	14	7071179	633704	7	57	0.17	0.32	1.20	5.15	53.50	0.25	22.44	0.05	15.71	98.77	CP	diopside
7501 4309	63 45	96 17	14	7071179	633704	7	58	0.14	1.05	1.40	4.60	55.54	0.17	21.78	0.16	16.63	101.48	CP	diopside
7501 4309	63 45	96 17	14	7071179	633704	7	59	0.06	0.21	1.09	3.68	54.16	0.21	22.47	0.27	18.40	100.56	CP	diopside
7501 4309	63 45	96 17	14	7071179	633704	7	60	0.15	0.14	1.14	4.06	53.34	0.22	22.98	0.09	16.74	98.87	CP	diopside
7501 4309	63 45	96 17	14	7071179	633704	7	61	0.21	0.62	1.07	3.39	53.65	0.33	22.83	0.35	16.16	98.62	CP	diopside
7501 4309	63 45	96 17	14	7071179	633704	7	62	0.15	0.37	0.62	3.93	54.13	0.21	23.01	0.09	17.56	100.08	CP	diopside
7501 4309	63 45	96 17	14	7071179	633704	7	63	0.09	0.14	1.41	4.32	53.37	0.28	22.42	0.22	16.27	98.51	CP	diopside
7501 4309	63 45	96 17	14	7071179	633704	7	56	0.61	0.03	0.05	49.67	0.00	50.48	0.03	0.07	0.32	101.26	SP	ilmenite
7501 4311	63 46	96 17	14	7074202	634076	7	64	0.12	0.32	1.24	4.06	53.91	0.14	22.67	0.09	17.19	99.73	CP	diopside
7501 4311	63 46	96 17	14	7074202	634076	7	65	0.15	0.73	1.35	4.06	54.08	0.35	22.98	0.16	16.96	100.83	CP	diopside
7501 4313	63 48	96 17	14	7077611	633386	7	68	0.31	0.30	0.73	4.43	54.35	0.23	22.47	0.09	17.22	100.14	CP	diopside
7501 4313	63 48	96 17	14	7077611	633386	7	69	0.20	0.56	0.97	3.55	53.36	0.32	23.01	0.57	16.14	98.68	CP	Cr-diopside
7501 4313	63 48	96 17	14	7077611	633386	7	70	0.08	1.05	1.30	3.66	54.61	0.23	22.09	0.30	16.23	99.55	CP	diopside
7501 4313	63 48	96 17	14	7077611	633386	7	71	0.11	0.29	0.75	3.93	53.93	0.20	22.70	0.30	17.56	99.76	CP	diopside
7501 4313	63 48	96 17	14	7077611	633386	7	66	0.15	2.22	25.34	13.30	36.59	0.84	2.23	0.02	8.01	88.70	SP	tourmaline?
7501 4313	63 48	96 17	14	7077611	633386	7	67	0.50	0.03	0.02	49.99	0.00	49.32	0.07	0.11	0.38	100.43	SP	ilmenite
7501 4314	63 49	96 18	14	7079013	633206	7	72	0.06	0.58	0.97	3.88	53.08	0.29	23.30	0.35	16.18	98.70	CP	diopside
7501 4314	63 49	96 18	14	7079013	633206	7	73	0.18	0.32	0.65	3.10	54.30	0.19	22.97	0.59	18.32	100.61	CP	Cr-diopside
7501 4316	63 51	96 17	14	7082494	633289	7	74	0.11	0.29	0.68	4.23	53.78	0.26	22.78	0.09	16.51	98.73	CP	diopside
7501 4316	63 51	96 17	14	7082494	633289	7	75	0.14	0.52	0.94	3.81	53.21	0.28	23.16	0.25	17.33	99.64	CP	diopside
7501 4317	63 51	96 17	14	7083858	633414	7	76	0.15	0.35	0.88	2.98	54.57	0.23	23.01	0.41	17.45	100.04	CP	diopside
7501 4317	63 51	96 17	14	7083858	633414	7	77	0.17	0.55	1.04	4.32	54.01	0.26	23.45	0.20	16.80	100.79	CP	diopside
7501 4317	63 51	96 17	14	7083858	633414	7	78	0.15	0.73	0.92	3.59	53.33	0.26	23.03	0.32	17.58	99.92	CP	diopside
7501 4317	63 51	96 17	14	7083858	633414	7	79	0.27	0.28	1.30	3.43	54.22	0.32	23.12	0.52	17.21	100.68	CP	Cr-diopside
7501 4350	63 36	96 17	14	7055174	634620	7	80	0.23	0.20	0.98	4.19	54.09	0.32	22.39	0.49	17.48	100.35	CP	diopside
7501 4350	63 36	96 17	14	7055174	634620	7	81	0.18	0.28	0.59	3.27	54.24	0.23	23.34	0.21	17.74	100.08	CP	diopside
7501 4350	63 36	96 17	14	7055174	634620	7	82	0.26	0.31	1.45	3.89	54.62	0.16	22.76	0.10	17.33	100.87	CP	diopside
7501 4401	63 38	96 15	14	7058625	636051	7	83	0.06	0.61	0.68	3.74	54.47	0.35	22.56	0.45	16.74	99.67	CP	diopside
7501 4401	63 38	96 15	14	7058625	636051	7	84	0.15	0.34	1.49	4.32	53.57	0.19	22.73	0.13	16.69	99.61	CP	diopside
7501 4401	63 38	96 15	14	7058625	636051	7	85	0.11	0.25	1.11	3.90	54.78	0.13	22.57	0.22	17.18	100.25	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 4401	63 38	96 15	14	7058625	636051	7	86	0.17	0.69	1.07	4.09	53.07	0.31	22.82	0.50	16.73	99.44	CP	Cr-diopside
7501 4401	63 38	96 15	14	7058625	636051	7	87	0.17	0.37	0.62	3.38	55.24	0.23	22.71	0.35	18.37	101.44	CP	diopside
7501 4401	63 38	96 15	14	7058625	636051	7	88	0.15	0.26	0.58	3.85	54.53	0.12	22.10	0.11	18.84	100.53	CP	diopside
7501 4401	63 38	96 15	14	7058625	636051	7	89	0.11	0.29	1.03	3.99	52.90	0.22	22.37	0.44	17.54	98.88	CP	diopside
7501 4402	63 39	96 16	14	7060095	635767	7	91	0.15	0.26	0.97	3.30	54.15	0.25	22.22	0.37	17.98	99.65	CP	diopside
7501 4402	63 39	96 16	14	7060095	635767	7	92	0.33	0.40	1.13	4.65	54.28	0.28	20.78	0.08	18.17	100.10	CP	diopside
7501 4402	63 39	96 16	14	7060095	635767	7	93	0.14	0.42	0.80	3.03	54.46	0.21	22.30	0.57	17.56	99.47	CP	Cr-diopside
7501 4402	63 39	96 16	14	7060095	635767	7	94	0.21	0.42	1.21	4.01	53.57	0.28	22.32	0.52	18.94	101.48	CP	Cr-diopside
7501 4402	63 39	96 16	14	7060095	635767	7	95	0.09	0.36	0.85	3.74	54.56	0.25	22.39	0.36	17.57	100.17	CP	diopside
7501 4402	63 39	96 16	14	7060095	635767	7	96	0.27	0.28	0.69	2.81	54.97	0.26	23.16	0.42	17.34	100.19	CP	diopside
7501 4402	63 39	96 16	14	7060095	635767	7	97	0.14	0.21	0.93	3.68	53.70	0.27	22.70	0.49	17.19	99.30	CP	diopside
7501 4402	63 39	96 16	14	7060095	635767	7	98	0.03	0.37	1.04	3.12	54.90	0.26	22.99	0.67	16.76	100.14	CP	Cr-diopside
7501 4402	63 39	96 16	14	7060095	635767	7	90	1.54	0.00	21.55	22.61	38.10	0.19	11.06	0.09	4.00	99.15	GA	almandine
7501 4404	63 40	96 16	14	7063377	635435	7	99	0.27	0.29	1.00	3.76	55.18	0.21	22.30	0.20	17.64	100.83	CP	diopside
7501 4405	63 41	96 16	14	7064551	635272	8	2	0.25	0.60	0.82	3.26	53.96	0.19	22.60	0.48	17.45	99.59	CP	diopside
7501 4405	63 41	96 16	14	7064551	635272	8	3	0.15	0.34	0.87	3.79	53.44	0.19	22.48	0.41	17.56	99.21	CP	diopside
7501 4405	63 41	96 16	14	7064551	635272	8	4	0.16	0.34	0.87	3.24	53.76	0.36	22.84	0.50	17.79	99.85	CP	Cr-diopside
7501 4405	63 41	96 16	14	7064551	635272	8	5	0.19	0.37	0.45	3.52	54.07	0.26	22.75	0.25	17.88	99.73	CP	diopside
7501 4405	63 41	96 16	14	7064551	635272	8	6	0.15	0.33	0.41	3.07	54.79	0.12	23.03	0.08	18.90	100.88	CP	diopside
7501 4405	63 41	96 16	14	7064551	635272	8	7	0.10	0.39	0.58	2.77	55.89	0.22	22.91	0.26	17.92	101.04	CP	diopside
7501 4405	63 41	96 16	14	7064551	635272	8	8	0.10	0.23	0.48	3.37	54.13	0.23	22.62	0.17	18.75	100.06	CP	diopside
7501 4405	63 41	96 16	14	7064551	635272	8	1	5.55	0.00	21.34	21.13	38.04	0.21	13.43	0.08	0.64	100.40	GA	almandine
7501 4410	63 45	96 15	14	7072758	635376	8	10	0.12	0.13	0.70	3.75	54.38	0.21	22.69	0.23	17.44	99.66	CP	diopside
7501 4410	63 45	96 15	14	7072758	635376	8	9	0.09	0.90	1.55	3.76	52.90	0.30	22.64	0.19	16.81	99.14	CP	diopside
7501 4410	63 45	96 15	14	7072758	635376	8	11	0.15	0.35	0.60	3.43	53.92	0.19	22.60	0.25	17.52	99.02	CP	diopside
7501 4410	63 45	96 15	14	7072758	635376	8	12	0.07	0.60	1.08	4.08	53.61	0.29	23.50	0.25	17.08	100.56	CP	diopside
7501 4410	63 45	96 15	14	7072758	635376	8	13	0.16	0.26	0.75	3.60	53.99	0.23	23.33	0.42	17.89	100.63	CP	diopside
7501 4411	63 46	96 16	14	7074244	634889	8	14	0.18	0.52	0.97	3.61	54.53	0.25	22.68	0.32	17.70	100.75	CP	diopside
7501 4414	63 49	96 16	14	7079072	634882	8	18	0.13	0.68	1.20	3.63	54.03	0.26	23.07	0.39	18.09	101.48	CP	diopside
7501 4414	63 49	96 16	14	7079072	634882	8	15	18.45	0.00	20.89	21.25	37.29	0.16	1.38	0.14	1.10	100.65	GA	almandine
7501 4414	63 49	96 16	14	7079072	634882	8	16	0.75	0.00	0.02	48.83	0.00	49.85	0.05	0.05	0.07	99.62	SP	ilmenite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 4414	63 49	96 16	14	7079072	634882	8	17	0.73	0.03	0.07	48.63	0.00	50.63	0.03	0.06	0.35	100.51	SP	ilmenite
7501 4415	63 50	96 15	14	7081091	635020	8	19	0.15	0.26	0.84	2.94	54.37	0.22	23.47	0.28	18.28	100.80	CP	diopside
7501 4450	63 36	96 15	14	7055118	636298	8	20	0.33	1.35	1.86	6.57	53.20	0.15	21.71	0.11	14.29	99.57	CP	diopside
7501 4451	63 35	96 15	14	7053458	636611	8	21	0.12	0.44	0.50	2.90	54.70	0.16	22.98	0.26	17.57	99.62	CP	diopside
7501 4502	63 39	96 14	14	7060485	637170	8	22	0.18	0.18	0.79	4.04	55.20	0.19	22.15	0.13	18.17	101.03	CP	diopside
7501 4502	63 39	96 14	14	7060485	637170	8	23	0.09	0.41	0.71	3.79	53.42	0.28	22.54	0.26	17.68	99.19	CP	diopside
7501 4502	63 39	96 14	14	7060485	637170	8	24	0.07	0.19	0.66	3.68	53.11	0.19	22.73	0.16	17.85	98.64	CP	diopside
7501 4503	63 40	96 14	14	7062169	637073	8	25	0.19	0.30	0.67	3.66	54.00	0.26	22.43	0.40	17.92	99.83	CP	diopside
7501 4503	63 40	96 14	14	7062169	637073	8	26	0.20	0.37	0.65	4.57	53.89	0.20	21.35	0.06	18.16	99.44	CP	diopside
7501 4504	63 40	96 14	14	7063467	637073	8	27	0.07	0.37	1.47	4.35	52.73	0.22	22.24	0.49	17.47	99.41	CP	diopside
7501 4504	63 40	96 14	14	7063467	637073	8	28	0.16	0.18	1.23	3.40	52.85	0.18	23.19	0.25	17.84	99.29	CP	diopside
7501 4504	63 40	96 14	14	7063467	637073	8	29	0.12	0.48	0.52	3.25	54.41	0.31	23.23	0.36	17.70	100.37	CP	diopside
7501 4505	63 41	96 14	14	7064571	636937	8	31	0.15	0.35	0.92	3.54	53.84	0.27	22.98	0.50	16.99	99.54	CP	Cr-diopside
7501 4505	63 41	96 14	14	7064571	636937	8	32	0.09	0.29	0.69	3.52	54.51	0.27	23.17	0.52	16.65	99.70	CP	Cr-diopside
7501 4505	63 41	96 14	14	7064571	636937	8	33	0.06	0.18	0.17	2.42	55.10	0.19	23.27	0.26	19.50	101.15	CP	diopside
7501 4505	63 41	96 14	14	7064571	636937	8	34	0.13	0.41	1.25	3.86	53.87	0.17	22.75	0.15	17.83	100.42	CP	diopside
7501 4505	63 41	96 14	14	7064571	636937	8	30	18.05	0.01	19.94	23.08	36.41	0.14	0.57	0.07	1.07	99.34	GA	almandine
7501 4507	63 43	96 13	14	7067757	637191	8	36	0.07	0.41	1.27	3.58	53.77	0.28	20.84	1.14	19.11	100.46	CP	Cr-diopside
7501 4507	63 43	96 13	14	7067757	637191	8	35	0.50	0.00	21.95	22.53	39.93	0.10	10.57	0.06	5.56	101.19	GA	almandine
7501 4508	63 44	96 14	14	7069550	636863	8	37	0.09	0.21	1.03	3.82	54.12	0.21	22.42	0.18	18.00	100.08	CP	diopside
7501 4509	63 45	96 14	14	7071177	636767	8	38	0.25	0.40	1.22	3.12	54.33	0.18	22.13	0.81	17.69	100.12	CP	Cr-diopside
7501 4511	63 46	96 13	14	7074365	636818	8	39	0.22	0.42	1.71	5.54	52.18	0.44	22.55	0.16	16.42	99.64	CP	diopside
7501 4511	63 46	96 13	14	7074365	636818	8	40	0.12	0.54	1.05	3.61	53.46	0.33	23.05	0.60	16.07	98.83	CP	Cr-diopside
7501 4511	63 46	96 13	14	7074365	636818	8	41	0.09	0.31	0.68	3.52	53.44	0.25	23.81	0.26	16.80	99.16	CP	diopside
7501 4515	63 50	96 14	14	7081123	636341	8	42	0.16	0.21	1.04	4.01	53.38	0.27	22.54	0.54	17.19	99.35	CP	Cr-diopside
7501 4516	63 51	96 14	14	7082912	635759	8	43	0.19	0.56	0.97	3.54	53.81	0.34	23.52	0.43	17.24	100.60	CP	diopside
7501 4517	63 52	96 14	14	7083997	635953	8	44	0.19	0.27	1.05	3.45	53.55	0.27	23.26	0.57	18.15	100.75	CP	Cr-diopside
7501 4550	63 36	96 13	14	7055149	637861	8	45	0.15	0.21	1.28	4.12	53.84	0.25	23.05	0.15	17.63	100.67	CP	diopside
7501 4550	63 36	96 13	14	7055149	637861	8	46	0.16	0.56	0.82	3.05	53.97	0.19	22.49	0.49	18.54	100.28	CP	diopside
7501 4551	63 35	96 13	14	7053573	637943	8	47	0.15	0.48	1.57	4.55	53.01	0.21	22.39	0.21	17.38	99.94	CP	diopside
7501 4602	63 39	96 12	14	7060981	638762	8	49	0.26	0.64	1.08	4.68	53.25	0.29	22.09	0.10	16.28	98.68	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 4602	63 39	96 12	14	7060981	638762	8	48	0.64	0.00	21.48	29.86	38.70	0.12	3.71	0.04	5.96	100.49	GA	almandine
7501 4603	63 40	96 12	14	7062035	638626	8	50	0.15	0.44	0.74	3.41	54.50	0.19	22.23	0.32	18.39	100.38	CP	diopside
7501 4603	63 40	96 12	14	7062035	638626	8	51	0.32	0.40	1.09	3.95	53.50	0.41	23.06	0.50	16.92	100.15	CP	Cr-diopside
7501 4603	63 40	96 12	14	7062035	638626	8	52	0.13	0.66	0.89	3.64	54.38	0.26	22.95	0.23	15.80	98.94	CP	diopside
7501 4603	63 40	96 12	14	7062035	638626	8	53	0.19	0.45	1.18	4.38	54.18	0.24	22.40	0.08	17.54	100.66	CP	diopside
7501 4603	63 40	96 12	14	7062035	638626	8	54	0.22	0.18	0.37	3.90	55.36	0.21	22.81	0.06	18.16	101.26	CP	diopside
7501 4604	63 41	96 12	14	7063929	638258	8	55	0.16	0.48	1.05	3.69	53.60	0.16	22.94	0.10	16.97	99.15	CP	diopside
7501 4604	63 41	96 12	14	7063929	638258	8	56	0.18	0.31	0.88	3.95	52.77	0.34	23.02	0.21	17.42	99.09	CP	diopside
7501 4604	63 41	96 12	14	7063929	638258	8	57	0.16	0.20	0.85	4.02	54.09	0.17	22.36	0.14	18.02	100.01	CP	diopside
7501 4604	63 41	96 12	14	7063929	638258	8	58	0.07	0.59	1.26	3.43	54.10	0.32	23.23	0.76	17.13	100.89	CP	Cr-diopside
7501 4604	63 41	96 12	14	7063929	638258	8	59	0.20	0.27	1.13	3.55	53.91	0.21	22.49	0.30	18.02	100.07	CP	diopside
7501 4605	63 41	96 12	14	7064983	638771	8	60	0.10	0.41	0.83	3.36	53.94	0.23	22.80	0.61	17.38	99.67	CP	Cr-diopside
7501 4613	63 48	96 11	14	7077681	638519	8	61	0.12	0.17	0.73	3.36	53.91	0.29	22.99	0.69	17.54	99.80	CP	Cr-diopside
7501 4703	63 40	96 10	14	7062175	640238	8	62	0.15	0.26	0.70	3.32	55.35	0.10	23.87	0.34	16.78	100.87	CP	diopside
7501 4707	63 43	96 10	14	7068133	639827	8	65	0.15	0.28	1.25	4.40	53.68	0.29	23.42	0.01	16.34	99.82	CP	diopside
7501 4707	63 43	96 10	14	7068133	639827	8	66	0.19	0.55	1.11	3.65	53.39	0.30	22.52	0.17	17.02	98.91	CP	diopside
7501 4707	63 43	96 10	14	7068133	639827	8	63	0.44	0.06	0.08	48.90	0.00	49.59	0.01	0.07	1.35	100.49	SP	ilmenite
7501 4707	63 43	96 10	14	7068133	639827	8	64	0.59	0.00	0.00	50.07	0.00	48.77	0.00	0.09	0.48	100.00	SP	ilmenite
7501 4801	63 38	96 08	14	7059430	641703	8	71	0.18	0.15	0.78	2.99	55.29	0.26	22.92	0.25	18.29	101.09	CP	diopside
7501 4801	63 38	96 08	14	7059430	641703	8	72	0.12	0.43	0.77	3.77	53.79	0.25	22.99	0.49	17.46	100.08	CP	diopside
7501 4801	63 38	96 08	14	7059430	641703	8	73	0.09	0.45	0.72	3.63	54.05	0.28	22.65	0.82	17.58	100.26	CP	Cr-diopside
7501 4801	63 38	96 08	14	7059430	641703	8	74	0.13	0.35	0.96	3.31	54.09	0.15	22.42	0.19	17.27	98.88	CP	diopside
7501 4801	63 38	96 08	14	7059430	641703	8	75	0.13	0.46	1.17	3.65	54.47	0.27	22.53	0.29	18.42	101.39	CP	diopside
7501 4801	63 38	96 08	14	7059430	641703	8	76	0.13	0.29	0.75	3.59	54.06	0.25	22.84	0.60	17.24	99.75	CP	Cr-diopside
7501 4801	63 38	96 08	14	7059430	641703	8	67	0.59	0.06	0.01	48.72	0.00	49.48	0.04	0.00	0.07	98.97	IL	ilmenite
7501 4801	63 38	96 08	14	7059430	641703	8	68	0.60	0.00	0.06	50.25	0.00	48.49	0.04	0.18	0.32	99.94	IL	ilmenite
7501 4801	63 38	96 08	14	7059430	641703	8	69	0.55	0.06	0.06	50.00	0.00	48.13	0.01	0.09	0.38	99.29	IL	ilmenite
7501 4801	63 38	96 08	14	7059430	641703	8	70	0.55	0.00	0.08	49.01	0.00	49.91	0.00	0.09	0.00	99.65	IL	ilmenite
7501 4803	63 39	96 08	14	7061449	641802	8	87	0.22	0.57	1.13	3.91	54.34	0.23	22.70	0.26	17.05	100.40	CP	diopside
7501 4803	63 39	96 08	14	7061449	641802	8	80	0.20	0.30	1.27	4.41	53.21	0.18	21.51	0.18	17.78	99.04	CP	diopside
7501 4803	63 39	96 08	14	7061449	641802	8	81	0.17	0.12	0.92	3.25	53.81	0.20	23.08	0.39	17.94	99.89	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 4803	63 39	96 08	14	7061449	641802	8	82	0.13	0.50	1.28	4.06	53.56	0.27	22.10	0.23	17.75	99.87	CP	diopside
7501 4803	63 39	96 08	14	7061449	641802	8	83	0.16	0.27	0.58	3.82	53.66	0.20	22.36	0.17	17.53	98.75	CP	diopside
7501 4803	63 39	96 08	14	7061449	641802	8	84	0.09	0.32	0.94	3.58	54.83	0.35	22.53	0.31	17.69	100.63	CP	diopside
7501 4803	63 39	96 08	14	7061449	641802	8	85	0.24	0.59	1.09	5.14	52.74	0.21	21.80	0.09	16.83	98.74	CP	diopside
7501 4803	63 39	96 08	14	7061449	641802	8	86	0.07	0.34	0.73	3.08	53.60	0.15	21.91	0.20	18.45	98.54	CP	diopside
7501 4803	63 39	96 08	14	7061449	641802	8	77	0.38	0.00	21.77	21.85	39.34	0.17	10.28	0.06	7.27	101.11	GA	almandine
7501 4803	63 39	96 08	14	7061449	641802	8	78	1.75	0.00	21.03	33.05	37.21	0.31	6.62	0.15	1.05	101.16	GA	almandine
7501 4803	63 39	96 08	14	7061449	641802	8	79	0.56	0.05	0.01	49.01	0.00	48.33	0.04	0.00	0.47	98.46	IL	ilmenite
7501 4804	63 40	96 08	14	7063230	642110	8	89	0.16	0.32	1.03	3.49	54.29	0.20	23.18	0.65	16.33	99.66	CP	Cr-diopside
7501 4804	63 40	96 08	14	7063230	642110	8	90	0.16	0.18	0.73	2.74	53.51	0.18	22.86	0.27	17.93	98.55	CP	diopside
7501 4804	63 40	96 08	14	7063230	642110	8	91	0.25	0.62	1.45	4.04	53.14	0.21	21.01	0.45	18.34	99.50	CP	diopside
7501 4804	63 40	96 08	14	7063230	642110	8	88	4.73	0.00	20.42	24.86	36.43	0.19	10.22	0.00	1.74	98.59	GA	almandine
7501 4805	63 41	96 08	14	7065521	641556	8	92	0.23	0.29	0.74	3.33	53.78	0.21	22.42	0.62	17.08	98.69	CP	Cr-diopside
7501 4805	63 41	96 08	14	7065521	641556	8	93	0.25	0.73	0.99	3.97	53.47	0.28	22.84	0.13	16.02	98.66	CP	diopside
7501 4805	63 41	96 08	14	7065521	641556	8	94	0.13	0.32	0.90	3.75	53.79	0.36	22.71	0.35	17.90	100.21	CP	diopside
7501 4805	63 41	96 08	14	7065521	641556	8	95	0.25	0.25	0.96	4.56	54.19	0.26	21.92	0.32	16.77	99.47	CP	diopside
7501 4805	63 41	96 08	14	7065521	641556	8	96	0.29	0.38	1.31	3.42	54.39	0.30	22.50	0.47	17.70	100.76	CP	diopside
7501 4809	63 45	96 08	14	7071383	641694	8	97	0.18	0.00	14.48	18.66	0.00	0.30	0.00	52.34	12.58	98.54	IL	chromite
7501 4809	63 45	96 08	14	7071383	641694	8	98	0.60	0.00	0.07	49.65	0.00	48.68	0.04	0.07	0.72	99.83	SP	ilmenite
7501 4809	63 45	96 08	14	7071383	641694	8	99	0.56	0.11	0.03	48.57	0.00	49.65	0.01	0.16	0.22	99.32	SP	ilmenite
7501 4811	63 46	96 09	14	7074554	640894	9	3	0.18	0.50	1.03	3.93	52.92	0.29	23.26	0.16	17.01	99.29	CP	diopside
7501 4811	63 46	96 09	14	7074554	640894	9	4	0.12	0.67	1.46	4.30	54.37	0.31	22.95	0.28	16.15	100.61	CP	diopside
7501 4811	63 46	96 09	14	7074554	640894	9	5	0.18	0.62	0.97	3.59	55.58	0.28	22.74	0.24	17.00	101.20	CP	diopside
7501 4811	63 46	96 09	14	7074554	640894	9	1	0.63	0.00	20.89	31.18	37.75	0.14	3.18	0.05	5.35	99.17	GA	almandine
7501 4811	63 46	96 09	14	7074554	640894	9	2	0.49	0.05	21.05	24.14	38.80	0.09	9.04	0.04	5.98	99.67	GA	almandine
7501 4813	63 48	96 09	14	7077232	640561	9	8	0.13	0.86	1.35	5.04	54.16	0.36	22.53	0.02	16.45	100.91	CP	diopside
7501 4813	63 48	96 09	14	7077232	640561	9	6	0.66	0.14	0.00	49.02	0.00	48.73	0.05	0.02	0.61	99.23	IL	ilmenite
7501 4813	63 48	96 09	14	7077232	640561	9	7	0.78	0.00	0.03	50.01	0.00	49.79	0.00	0.03	0.00	100.64	IL	ilmenite
7501 4901	63 38	96 06	14	7059325	643446	9	12	0.22	0.52	0.99	3.35	53.92	0.24	23.03	0.06	17.06	99.39	CP	diopside
7501 4901	63 38	96 06	14	7059325	643446	9	13	0.07	0.34	0.82	3.26	54.25	0.18	22.83	0.14	19.28	101.17	CP	diopside
7501 4901	63 38	96 06	14	7059325	643446	9	14	0.18	0.38	0.46	3.32	53.48	0.25	23.32	0.38	17.91	99.67	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 4901	63 38	96 06	14	7059325	643446	9	15	0.16	0.19	0.62	3.11	53.91	0.10	22.87	0.17	18.41	99.55	CP	diopside
7501 4901	63 38	96 06	14	7059325	643446	9	9	0.45	0.08	0.00	48.82	0.00	49.63	0.04	0.12	1.25	100.39	IL	ilmenite
7501 4901	63 38	96 06	14	7059325	643446	9	10	0.66	0.00	0.05	49.04	0.00	49.90	0.02	0.06	0.25	99.98	IL	ilmenite
7501 4901	63 38	96 06	14	7059325	643446	9	11	0.81	0.00	0.07	49.16	0.00	50.41	0.01	0.17	0.19	100.81	IL	ilmenite
7501 4902	63 39	96 06	14	7060200	643594	9	17	0.10	0.42	1.43	4.14	54.35	0.27	22.58	0.42	17.34	101.06	CP	diopside
7501 4902	63 39	96 06	14	7060200	643594	9	18	0.15	0.49	0.89	4.28	53.43	0.24	22.46	0.31	17.37	99.61	CP	diopside
7501 4902	63 39	96 06	14	7060200	643594	9	19	0.20	0.44	1.18	3.27	52.77	0.22	21.78	0.68	18.37	98.91	CP	Cr-diopside
7501 4902	63 39	96 06	14	7060200	643594	9	20	0.13	0.43	0.69	3.99	53.79	0.26	21.28	0.11	18.31	98.98	CP	diopside
7501 4902	63 39	96 06	14	7060200	643594	9	21	0.10	0.21	0.94	2.96	53.07	0.19	23.50	0.33	17.59	98.90	CP	diopside
7501 4902	63 39	96 06	14	7060200	643594	9	22	0.28	0.41	0.76	3.81	55.30	0.30	21.70	0.29	16.37	99.23	CP	diopside
7501 4902	63 39	96 06	14	7060200	643594	9	23	0.06	0.19	0.43	2.96	56.66	0.17	22.35	0.13	16.97	99.92	CP	diopside
7501 4902	63 39	96 06	14	7060200	643594	9	24	0.16	0.27	0.93	3.63	56.35	0.24	20.75	0.37	17.45	100.14	CP	diopside
7501 4902	63 39	96 06	14	7060200	643594	9	25	0.13	0.29	1.10	4.70	54.85	0.42	22.36	0.21	17.07	101.15	CP	diopside
7501 4902	63 39	96 06	14	7060200	643594	9	26	0.07	0.23	0.86	3.54	55.26	0.22	22.94	0.20	16.32	99.65	CP	diopside
7501 4902	63 39	96 06	14	7060200	643594	9	16	0.63	0.00	0.05	50.17	0.00	49.03	0.02	0.11	0.63	100.62	IL	ilmenite
7501 4903	63 39	96 06	14	7061494	643416	9	27	0.18	0.34	1.31	3.83	56.75	0.16	19.80	0.88	17.42	100.66	CP	Cr-diopside
7501 4904	63 40	96 06	14	7063252	643533	9	28	0.19	0.70	1.07	3.90	56.78	0.22	21.12	0.39	15.38	99.76	CP	diopside
7501 4904	63 40	96 06	14	7063252	643533	9	29	0.16	0.69	1.04	4.31	54.10	0.29	22.44	0.26	15.76	99.03	CP	diopside
7501 4905	63 41	96 06	14	7064982	643219	9	30	0.20	0.29	0.80	3.88	52.68	0.22	23.52	0.53	16.98	99.11	CP	Cr-diopside
7501 4906	63 42	96 06	14	7066580	643289	9	31	0.25	0.30	0.82	3.37	55.24	0.18	22.77	0.54	16.38	99.85	CP	Cr-diopside
7501 4906	63 42	96 06	14	7066580	643289	9	32	0.19	0.22	0.57	2.99	54.72	0.26	22.92	0.29	17.01	99.18	CP	diopside
7501 4910	63 45	96 06	14	7073018	643009	9	33	0.15	0.74	1.24	3.74	54.28	0.22	22.74	0.44	16.48	100.02	CP	diopside
7501 4912	63 47	96 06	14	7076044	642593	9	34	0.09	0.44	1.14	3.18	53.83	0.33	22.96	0.74	17.74	100.45	CP	Cr-diopside
7501 4913	63 48	96 06	14	7077702	642483	9	36	0.06	0.21	0.79	2.75	55.11	0.21	23.05	0.44	18.28	100.89	CP	diopside
7501 4913	63 48	96 06	14	7077702	642483	9	37	0.12	1.00	1.15	3.56	54.65	0.23	21.81	0.21	17.31	100.04	CP	diopside
7501 4913	63 48	96 06	14	7077702	642483	9	35	0.10	0.27	0.03	90.90	0.00	0.02	0.04	0.06	0.00	91.41	SP	magnetite
7501 5001	63 38	96 05	14	7058840	644663	9	38	0.07	0.55	1.11	3.38	53.94	0.28	22.00	0.29	17.74	99.36	CP	diopside
7501 5002	63 39	96 04	14	7060361	644989	9	41	0.13	0.51	1.41	4.19	52.39	0.21	22.98	0.26	17.19	99.27	CP	diopside
7501 5002	63 39	96 04	14	7060361	644989	9	42	0.10	0.24	0.76	3.73	54.11	0.27	22.55	0.26	17.13	99.17	CP	diopside
7501 5002	63 39	96 04	14	7060361	644989	9	43	0.20	0.39	0.91	4.73	55.16	0.35	22.07	0.15	16.31	100.27	CP	diopside
7501 5002	63 39	96 04	14	7060361	644989	9	44	0.12	0.27	0.85	3.14	53.33	0.28	22.66	0.57	17.61	98.83	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 5002	63 39	96 04	14	7060361	644989	9	39	0.52	0.00	22.82	20.00	39.69	0.18	10.49	0.07	7.71	101.47	GA	almandine
7501 5002	63 39	96 04	14	7060361	644989	9	40	12.29	0.00	20.05	22.48	37.19	0.23	6.17	0.06	0.32	98.77	GA	almandine
7501 5004	63 40	96 05	14	7063414	644674	9	46	0.15	0.35	0.94	4.08	54.79	0.16	23.06	0.13	16.72	100.38	CP	diopside
7501 5004	63 40	96 05	14	7063414	644674	9	47	0.05	0.48	0.88	3.97	54.79	0.35	22.53	0.45	14.97	98.45	CP	diopside
7501 5004	63 40	96 05	14	7063414	644674	9	48	0.18	0.39	0.90	3.72	54.44	0.23	22.74	0.47	16.93	99.99	CP	diopside
7501 5004	63 40	96 05	14	7063414	644674	9	49	0.15	0.61	0.97	3.40	54.83	0.21	22.04	0.45	16.44	99.12	CP	diopside
7501 5004	63 40	96 05	14	7063414	644674	9	50	0.13	0.19	0.63	2.77	54.12	0.19	23.23	0.52	18.01	99.79	CP	Cr-diopside
7501 5004	63 40	96 05	14	7063414	644674	9	45	0.60	0.00	0.07	48.78	0.00	49.28	0.01	0.13	0.65	99.52	SP	ilmenite
7501 5005	63 41	96 04	14	7065185	644766	9	51	0.13	0.27	0.83	3.00	54.37	0.26	23.17	0.62	17.11	99.76	CP	Cr-diopside
7501 5006	63 42	96 04	14	7066397	644640	9	52	0.21	0.25	0.89	4.18	54.18	0.18	22.38	0.51	17.39	100.17	CP	Cr-diopside
7501 5006	63 42	96 04	14	7066397	644640	9	53	0.12	0.55	0.95	3.79	54.43	0.24	23.32	0.41	17.31	101.12	CP	diopside
7501 5008	63 44	96 05	14	7069986	643755	9	55	0.12	0.20	0.71	3.21	53.44	0.33	22.92	0.58	17.97	99.47	CP	Cr-diopside
7501 5008	63 44	96 05	14	7069986	643755	9	54	0.79	0.00	0.06	49.31	0.00	49.21	0.03	0.13	0.00	99.52	IL	ilmenite
7501 5010	63 45	96 03	14	7073134	645332	9	58	0.10	0.15	0.58	2.96	54.08	0.24	23.82	0.28	18.48	100.69	CP	diopside
7501 5010	63 45	96 03	14	7073134	645332	9	59	0.10	0.58	1.28	3.53	53.65	0.30	23.32	0.35	15.95	99.07	CP	diopside
7501 5010	63 45	96 03	14	7073134	645332	9	56	0.59	0.00	0.05	49.31	0.00	49.45	0.03	0.00	0.69	100.12	IL	ilmenite
7501 5010	63 45	96 03	14	7073134	645332	9	57	0.65	0.11	0.01	49.50	0.00	49.61	0.01	0.09	0.28	100.27	IL	ilmenite
7501 5012	63 47	96 04	14	7076140	644510	9	61	0.07	0.31	0.73	4.14	54.17	0.29	22.67	0.21	15.56	98.17	CP	diopside
7501 5012	63 47	96 04	14	7076140	644510	9	62	0.26	0.40	0.81	3.54	53.42	0.26	23.06	0.32	17.33	99.41	CP	diopside
7501 5012	63 47	96 04	14	7076140	644510	9	60	0.95	0.00	21.02	19.58	38.98	0.24	10.59	0.12	7.07	98.54	GA	almandine
7501 5013	63 48	96 04	14	7077683	644403	9	63	0.16	0.66	0.74	3.40	53.93	0.27	23.11	0.37	16.82	99.47	CP	diopside
7501 5013	63 48	96 04	14	7077683	644403	9	64	0.19	0.58	0.92	4.40	52.97	0.32	22.81	0.26	16.26	98.69	CP	diopside
7501 5013	63 48	96 04	14	7077683	644403	9	65	0.23	0.55	0.96	4.34	53.16	0.46	22.99	0.28	15.49	98.45	CP	diopside
7501 5013	63 48	96 04	14	7077683	644403	9	66	0.15	0.55	0.94	4.41	54.07	0.25	22.98	0.18	16.48	100.01	CP	diopside
7501 5013	63 48	96 04	14	7077683	644403	9	67	0.18	0.51	1.11	3.79	56.13	0.22	22.21	0.25	16.88	101.28	CP	diopside
7501 5013	63 48	96 04	14	7077683	644403	9	68	0.18	0.69	1.42	3.80	54.86	0.21	21.42	0.28	16.18	99.03	CP	diopside
7501 5013	63 48	96 04	14	7077683	644403	9	69	0.15	0.73	0.88	4.13	55.28	0.29	22.01	0.07	16.59	100.13	CP	diopside
7501 5013	63 48	96 04	14	7077683	644403	9	70	0.19	0.29	0.74	3.34	54.36	0.35	22.77	0.71	16.69	99.43	CP	Cr-diopside
7501 5013	63 48	96 04	14	7077683	644403	9	71	0.08	0.58	0.93	4.49	55.73	0.38	22.83	0.12	15.99	101.13	CP	diopside
7501 5013	63 48	96 04	14	7077683	644403	9	72	1.62	0.00	57.99	0.85	36.24	0.08	0.06	0.00	0.26	97.10	CP	andalusite?
7501 5013	63 48	96 04	14	7077683	644403	9	73	0.16	0.59	0.86	3.91	53.38	0.32	23.05	0.36	16.87	99.50	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 5013	63 48	96 04	14	7077683	644403	9	74	0.18	0.64	1.49	4.27	52.86	0.40	23.52	0.23	15.90	99.48	CP	diopside
7501 5100	63 37	96 02	14	7056900	647000	9	75	0.22	0.41	1.08	5.53	54.91	0.18	20.65	0.11	16.72	99.81	CP	diopside
7501 5100	63 37	96 02	14	7056900	647000	9	76	0.15	0.37	0.71	3.63	54.25	0.26	21.72	0.43	17.96	99.47	CP	diopside
7501 5100	63 37	96 02	14	7056900	647000	9	77	0.15	0.45	0.91	4.33	54.23	0.21	21.78	0.14	18.11	100.31	CP	diopside
7501 5100	63 37	96 02	14	7056900	647000	9	78	0.22	0.42	0.60	3.71	53.21	0.29	22.22	0.43	17.73	98.83	CP	diopside
7501 5100	63 37	96 02	14	7056900	647000	9	79	0.07	0.43	0.76	3.71	54.34	0.19	22.36	0.39	17.37	99.62	CP	diopside
7501 5101	63 38	96 02	14	7058894	646708	9	80	0.15	0.30	1.02	3.40	53.01	0.31	22.31	0.42	18.55	99.47	CP	diopside
7501 5101	63 38	96 02	14	7058894	646708	9	81	0.16	0.40	1.06	3.45	53.82	0.15	22.54	0.28	18.00	99.85	CP	diopside
7501 5102	63 39	96 02	14	7060331	646984	9	82	0.21	0.42	0.64	3.56	55.36	0.23	22.64	0.45	17.68	101.19	CP	diopside
7501 5102	63 39	96 02	14	7060331	646984	9	83	0.18	0.17	0.63	3.55	55.20	0.27	22.48	0.53	17.51	100.51	CP	Cr-diopside
7501 5102	63 39	96 02	14	7060331	646984	9	84	0.23	0.14	0.97	4.47	55.92	0.19	21.05	0.26	16.80	100.03	CP	diopside
7501 5102	63 39	96 02	14	7060331	646984	9	85	0.18	0.41	0.63	3.80	55.71	0.19	21.52	0.34	16.05	98.81	CP	diopside
7501 5102	63 39	96 02	14	7060331	646984	9	86	0.22	0.28	1.05	4.74	53.83	0.29	21.70	0.26	16.64	99.01	CP	diopside
7501 5108	63 44	96 03	14	7070184	645696	9	87	0.16	0.74	1.43	4.47	55.01	0.28	22.56	0.22	14.70	99.58	CP	diopside
7501 5108	63 44	96 03	14	7070184	645696	9	88	0.22	0.61	0.83	4.58	54.91	0.32	22.67	0.11	15.50	99.75	CP	diopside
7501 5108	63 44	96 03	14	7070184	645696	9	89	1.09	0.00	53.73	0.76	36.41	0.17	0.02	0.02	0.31	92.52	CP	andalusite?
7501 5108	63 44	96 03	14	7070184	645696	9	90	0.16	0.72	0.94	4.65	54.60	0.29	22.02	0.13	15.15	98.65	CP	diopside
7501 5111	63 46	96 02	14	7074534	645952	9	93	0.15	0.82	1.42	4.01	53.05	0.31	22.01	0.26	17.22	99.25	CP	diopside
7501 5111	63 46	96 02	14	7074534	645952	9	94	0.03	0.58	1.03	3.34	53.42	0.25	22.48	0.30	17.65	99.08	CP	diopside
7501 5111	63 46	96 02	14	7074534	645952	9	91	0.69	0.00	0.10	49.46	0.00	48.85	0.02	0.04	0.20	99.36	IL	ilmenite
7501 5111	63 46	96 02	14	7074534	645952	9	92	0.53	0.00	0.11	48.23	0.00	50.33	0.01	0.00	0.36	99.58	IL	ilmenite
7501 5112	63 47	96 02	14	7076079	646277	10	12	0.09	0.38	0.89	3.97	54.88	0.30	23.23	0.18	16.74	100.66	CP	diopside
7501 5112	63 47	96 02	14	7076079	646277	10	13	0.13	0.42	0.73	3.60	54.13	0.15	22.90	0.50	17.05	99.62	CP	Cr-diopside
7501 5112	63 47	96 02	14	7076079	646277	10	14	0.13	0.40	0.82	4.13	53.98	0.33	23.49	0.26	16.04	99.59	CP	diopside
7501 5112	63 47	96 02	14	7076079	646277	10	15	0.20	0.78	1.09	3.21	54.67	0.24	21.02	0.50	17.07	98.79	CP	Cr-diopside
7501 5112	63 47	96 02	14	7076079	646277	10	16	0.10	0.53	1.07	4.13	54.11	0.26	22.23	0.08	17.81	100.33	CP	diopside
7501 5112	63 47	96 02	14	7076079	646277	10	17	0.15	0.18	0.76	3.90	53.95	0.35	22.46	0.39	18.29	100.42	CP	diopside
7501 5112	63 47	96 02	14	7076079	646277	10	18	0.13	0.21	0.93	3.44	53.95	0.23	23.26	0.69	17.05	99.89	CP	Cr-diopside
7501 5112	63 47	96 02	14	7076079	646277	10	19	0.06	0.79	1.17	3.44	53.97	0.17	22.75	0.39	16.59	99.32	CP	diopside
7501 5112	63 47	96 02	14	7076079	646277	10	20	0.20	0.20	1.01	4.85	53.81	0.41	22.62	0.08	17.62	100.80	CP	diopside
7501 5112	63 47	96 02	14	7076079	646277	10	21	0.22	0.57	0.98	3.17	54.49	0.23	22.95	0.36	17.27	100.24	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 5112	63 47	96 02	14	7076079	646277	10	22	0.07	0.71	1.38	3.39	53.87	0.17	22.71	0.38	17.14	99.83	CP	diopside
7501 5112	63 47	96 02	14	7076079	646277	10	1	0.21	0.00	17.28	7.52	38.93	0.52	35.53	0.07	0.04	100.10	GA	grossular
7501 5112	63 47	96 02	14	7076079	646277	10	2	0.33	0.00	21.56	24.77	39.59	0.19	10.06	0.11	4.78	101.39	GA	almandine
7501 5112	63 47	96 02	14	7076079	646277	10	3	0.29	0.00	14.81	19.04	0.00	0.36	0.00	51.40	12.55	98.45	SP	chromite
7501 5112	63 47	96 02	14	7076079	646277	10	4	0.60	0.00	0.00	49.47	0.00	49.50	0.03	0.10	0.67	100.37	SP	ilmenite
7501 5112	63 47	96 02	14	7076079	646277	10	5	0.39	0.00	15.45	18.40	0.00	0.27	0.00	52.61	11.83	98.95	SP	chromite
7501 5112	63 47	96 02	14	7076079	646277	10	6	0.51	0.00	0.07	49.69	0.00	49.54	0.06	0.08	0.42	100.37	SP	ilmenite
7501 5112	63 47	96 02	14	7076079	646277	10	7	0.50	0.00	0.11	49.36	0.00	50.58	0.06	0.13	0.51	101.24	SP	ilmenite
7501 5112	63 47	96 02	14	7076079	646277	10	8	0.95	0.04	0.17	48.95	0.00	48.60	0.02	0.08	0.00	98.82	SP	ilmenite
7501 5112	63 47	96 02	14	7076079	646277	10	9	0.40	0.03	0.09	48.75	0.00	49.14	0.03	0.06	0.91	99.41	SP	ilmenite
7501 5112	63 47	96 02	14	7076079	646277	10	10	0.73	0.00	0.07	48.53	0.00	49.06	0.02	0.07	0.92	99.38	SP	ilmenite
7501 5112	63 47	96 02	14	7076079	646277	10	11	0.57	0.00	0.13	50.02	0.00	49.18	0.02	0.09	0.76	100.78	SP	ilmenite
7501 5113	63 48	96 02	14	7077400	646000	10	23	0.13	0.80	1.08	3.87	54.33	0.26	22.22	0.24	16.84	99.77	CP	diopside
7501 5113	63 48	96 02	14	7077400	646000	10	24	0.06	0.45	1.12	4.45	53.96	0.37	23.27	0.25	15.74	99.68	CP	diopside
7501 5113	63 48	96 02	14	7077400	646000	10	25	0.15	0.29	0.92	3.05	53.87	0.22	22.89	0.43	17.68	99.49	CP	diopside
7501 5113	63 48	96 02	14	7077400	646000	10	26	0.19	0.81	0.97	3.62	53.88	0.27	22.44	0.28	16.35	98.81	CP	diopside
7501 5200	63 37	96 00	15	7057148	351256	10	29	0.13	0.29	0.69	2.86	54.12	0.15	22.64	0.14	17.85	98.86	CP	diopside
7501 5200	63 37	96 00	15	7057148	351256	10	30	0.19	0.31	0.87	3.68	52.76	0.32	22.61	0.27	17.63	98.64	CP	diopside
7501 5200	63 37	96 00	15	7057148	351256	10	31	0.21	0.45	0.77	3.45	54.10	0.24	21.94	0.36	17.96	99.47	CP	diopside
7501 5200	63 37	96 00	15	7057148	351256	10	27	0.79	0.00	21.75	21.71	39.72	0.20	9.52	0.07	7.34	101.10	GA	almandine
7501 5200	63 37	96 00	15	7057148	351256	10	28	11.78	0.00	20.94	23.71	37.69	0.23	6.05	0.11	0.67	101.18	GA	almandine
7501 5201	63 38	96 00	15	7059310	351348	10	34	0.10	0.42	1.14	4.43	55.13	0.15	21.16	0.18	18.28	100.99	CP	diopside
7501 5201	63 38	96 00	15	7059310	351348	10	35	0.08	0.67	1.31	3.55	54.32	0.17	22.67	0.44	17.06	100.26	CP	diopside
7501 5201	63 38	96 00	15	7059310	351348	10	36	0.13	0.28	0.59	4.08	54.41	0.16	22.63	0.20	16.87	99.35	CP	diopside
7501 5201	63 38	96 00	15	7059310	351348	10	32	0.28	0.08	0.10	94.08	0.00	0.02	0.02	0.12	0.00	94.68	IL	magnetite
7501 5201	63 38	96 00	15	7059310	351348	10	33	0.14	0.00	0.00	94.92	0.00	0.08	0.07	0.17	0.00	95.37	IL	magnetite
7501 5205	63 41	96 00	15	7065153	351601	10	41	0.06	0.18	0.66	3.08	54.27	0.31	23.31	0.35	16.82	99.04	CP	diopside
7501 5205	63 41	96 00	15	7065153	351601	10	42	0.23	0.26	0.79	3.43	53.22	0.26	23.10	0.67	17.01	98.97	CP	Cr-diopside
7501 5205	63 41	96 00	15	7065153	351601	10	43	0.09	0.72	1.68	4.27	53.14	0.37	23.27	0.33	16.20	100.06	CP	diopside
7501 5205	63 41	96 00	15	7065153	351601	10	37	0.48	0.00	22.06	19.88	39.21	0.34	10.09	0.10	8.39	100.56	GA	almandine
7501 5205	63 41	96 00	15	7065153	351601	10	38	0.26	0.17	0.22	92.49	0.00	0.04	0.04	0.10	0.00	93.32	IL	magnetite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 5205	63 41	96 00	15	7065153	351601	10	39	0.02	0.00	0.44	92.05	0.21	0.00	0.06	0.05	0.00	92.83	IL	magnetite
7501 5205	63 41	96 00	15	7065153	351601	10	40	0.18	0.00	0.12	92.56	0.00	0.09	0.03	0.11	0.00	93.11	IL	magnetite
7501 5208	63 44	95 60	15	7070316	352187	10	45	0.09	0.32	0.88	3.71	54.59	0.29	22.62	0.43	17.13	100.06	CP	diopside
7501 5208	63 44	95 60	15	7070316	352187	10	46	0.22	0.16	0.85	3.78	54.48	0.27	22.68	0.21	18.20	100.84	CP	diopside
7501 5208	63 44	95 60	15	7070316	352187	10	47	0.18	0.41	1.01	4.35	52.72	0.34	22.81	0.41	16.58	98.82	CP	diopside
7501 5208	63 44	95 60	15	7070316	352187	10	48	0.15	0.98	1.38	3.88	53.86	0.28	22.28	0.36	15.47	98.65	CP	diopside
7501 5208	63 44	95 60	15	7070316	352187	10	49	0.13	0.71	1.41	3.61	54.37	0.23	21.92	0.20	17.12	99.69	CP	diopside
7501 5208	63 44	95 60	15	7070316	352187	10	44	0.47	0.00	0.13	49.35	0.00	50.03	0.02	0.03	0.00	100.03	IL	ilmenite
7501 5210	63 45	96 00	15	7073150	351997	10	50	0.15	0.20	0.59	2.95	54.40	0.28	22.73	0.39	17.57	99.26	CP	diopside
7501 5212	63 47	95 60	15	7076564	352385	10	51	0.06	0.72	1.22	3.41	54.19	0.21	22.28	0.41	16.23	98.73	CP	diopside
7501 5212	63 47	95 60	15	7076564	352385	10	52	0.15	0.68	0.79	3.63	54.56	0.13	22.46	0.37	17.49	100.25	CP	diopside
7501 5302	63 38	95 58	15	7060012	353208	10	53	0.09	0.21	1.21	4.35	53.17	0.24	22.19	0.28	16.84	98.58	CP	diopside
7501 5302	63 38	95 58	15	7060012	353208	10	54	0.10	0.31	1.13	3.83	53.45	0.19	23.57	0.51	16.52	99.63	CP	Cr-diopside
7501 5304	63 40	95 58	15	7063342	352930	10	56	0.32	0.26	0.78	3.75	54.21	0.22	22.90	0.39	17.75	100.59	CP	diopside
7501 5304	63 40	95 58	15	7063342	352930	10	57	0.10	0.25	0.78	3.62	54.55	0.19	22.89	0.33	16.85	99.55	CP	diopside
7501 5304	63 40	95 58	15	7063342	352930	10	58	0.13	0.53	0.97	4.33	53.73	0.25	22.49	0.16	16.80	99.39	CP	diopside
7501 5304	63 40	95 58	15	7063342	352930	10	59	0.07	0.23	1.02	4.22	54.35	0.21	22.80	0.14	17.88	100.92	CP	diopside
7501 5304	63 40	95 58	15	7063342	352930	10	60	0.10	0.21	0.68	3.31	53.96	0.28	23.04	0.13	17.37	99.08	CP	diopside
7501 5304	63 40	95 58	15	7063342	352930	10	61	0.15	0.22	0.35	3.32	55.38	0.21	22.82	0.16	17.21	99.81	CP	diopside
7501 5304	63 40	95 58	15	7063342	352930	10	62	0.19	0.44	0.71	3.39	55.05	0.21	21.80	0.30	18.74	100.83	CP	diopside
7501 5304	63 40	95 58	15	7063342	352930	10	55	0.94	0.03	0.49	73.37	0.12	16.86	0.13	0.05	0.00	92.00	SP	FeTi-oxide
7501 5305	63 41	95 58	15	7064800	353250	10	65	0.12	0.74	0.92	3.41	54.23	0.29	22.93	0.43	16.91	99.97	CP	diopside
7501 5305	63 41	95 58	15	7064800	353250	10	63	0.38	0.00	55.73	12.76	27.21	0.56	0.05	0.04	1.68	98.42	GA	staurolite
7501 5305	63 41	95 58	15	7064800	353250	10	64	0.55	0.11	0.00	48.50	0.00	49.86	0.03	0.01	0.38	99.46	SP	ilmenite
7501 5308	63 44	95 58	15	7069727	353531	10	66	0.06	0.78	0.95	4.04	54.17	0.27	23.27	0.26	16.80	100.59	CP	diopside
7501 5308	63 44	95 58	15	7069727	353531	10	67	0.15	0.06	0.72	3.30	54.59	0.19	22.81	0.39	17.85	100.05	CP	diopside
7501 5308	63 44	95 58	15	7069727	353531	10	68	0.09	0.50	1.07	3.71	53.80	0.28	23.19	0.21	16.92	99.77	CP	diopside
7501 5312	63 47	95 58	15	7075963	353729	10	69	0.19	1.02	1.51	3.90	52.53	0.22	22.28	0.34	16.73	98.72	CP	diopside
7501 5312	63 47	95 58	15	7075963	353729	10	70	0.15	0.29	1.14	3.83	53.54	0.29	22.22	0.30	17.42	99.18	CP	diopside
7501 5313	63 48	95 58	15	7077843	354073	10	72	0.12	0.54	0.92	3.89	54.05	0.15	22.53	0.06	18.14	100.41	CP	diopside
7501 5313	63 48	95 58	15	7077843	354073	10	73	0.19	0.26	0.94	3.29	52.92	0.32	22.82	0.68	18.43	99.86	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 5313	63 48	95 58	15	7077843	354073	10	71	0.62	0.00	0.57	80.93	0.34	9.85	0.24	0.03	0.00	92.59	IL	FeTi-oxide
7501 5400	63 37	95 56	15	7056994	354458	10	74	0.10	0.24	0.78	2.24	54.27	0.25	22.29	1.09	17.70	98.97	CP	Cr-diopside
7501 5400	63 37	95 56	15	7056994	354458	10	75	0.03	0.18	1.03	3.40	54.52	0.21	22.98	0.44	18.27	101.05	CP	diopside
7501 5400	63 37	95 56	15	7056994	354458	10	76	0.09	0.78	0.94	3.46	54.39	0.21	23.03	0.58	16.86	100.34	CP	Cr-diopside
7501 5400	63 37	95 56	15	7056994	354458	10	77	0.19	0.27	0.86	3.48	54.74	0.31	23.28	0.34	16.99	100.47	CP	diopside
7501 5400	63 37	95 56	15	7056994	354458	10	78	0.23	0.31	0.76	3.53	53.62	0.25	23.40	0.11	17.61	99.83	CP	diopside
7501 5401	63 38	95 56	15	7058439	354486	10	82	0.26	0.39	0.97	3.05	54.06	0.16	23.71	0.63	18.02	101.25	CP	Cr-diopside
7501 5401	63 38	95 56	15	7058439	354486	10	83	0.07	0.21	0.60	3.54	54.09	0.23	22.65	0.16	17.86	99.41	CP	diopside
7501 5401	63 38	95 56	15	7058439	354486	10	84	0.12	0.31	1.58	4.38	53.48	0.20	22.30	0.03	17.56	99.97	CP	diopside
7501 5401	63 38	95 56	15	7058439	354486	10	85	0.09	0.49	0.93	4.02	54.08	0.23	21.97	0.08	18.47	100.37	CP	diopside
7501 5401	63 38	95 56	15	7058439	354486	10	86	0.19	0.42	0.62	3.35	54.13	0.24	23.74	0.05	16.97	99.71	CP	diopside
7501 5401	63 38	95 56	15	7058439	354486	10	87	0.18	0.15	0.87	2.98	53.89	0.26	23.52	0.48	17.87	100.18	CP	diopside
7501 5401	63 38	95 56	15	7058439	354486	10	79	22.44	0.00	20.34	19.90	36.80	0.25	0.82	0.07	0.40	101.02	GA	spessartine
7501 5401	63 38	95 56	15	7058439	354486	10	80	0.13	0.10	0.31	94.39	0.00	0.10	0.05	0.11	0.00	95.20	IL	magnetite
7501 5401	63 38	95 56	15	7058439	354486	10	81	0.50	0.06	0.11	48.26	0.00	49.22	0.05	0.10	0.57	98.86	IL	ilmenite
7501 5402	63 38	95 56	15	7059915	354413	10	93	0.23	0.22	0.66	3.58	53.70	0.28	22.66	0.48	18.34	100.14	CP	diopside
7501 5402	63 38	95 56	15	7059915	354413	10	94	0.26	0.50	0.83	3.56	52.95	0.20	22.99	0.56	16.90	98.75	CP	Cr-diopside
7501 5402	63 38	95 56	15	7059915	354413	10	95	0.15	0.45	0.83	3.83	54.36	0.23	23.00	0.45	18.29	101.58	CP	diopside
7501 5402	63 38	95 56	15	7059915	354413	10	96	0.20	0.90	0.98	3.33	54.09	0.23	22.70	0.34	15.84	98.60	CP	diopside
7501 5402	63 38	95 56	15	7059915	354413	10	97	0.22	0.53	0.99	4.05	53.99	0.36	23.46	0.22	16.51	100.35	CP	diopside
7501 5402	63 38	95 56	15	7059915	354413	10	98	0.18	0.36	0.89	3.75	53.13	0.15	22.30	0.20	18.43	99.37	CP	diopside
7501 5402	63 38	95 56	15	7059915	354413	10	99	0.10	0.25	0.71	2.61	54.41	0.17	23.75	0.21	18.08	100.30	CP	diopside
7501 5402	63 38	95 56	15	7059915	354413	10	88	0.37	0.03	21.39	19.98	40.24	0.22	10.02	0.08	8.05	100.39	GA	almandine
7501 5402	63 38	95 56	15	7059915	354413	10	89	0.63	0.00	0.00	48.29	0.00	50.09	0.01	0.06	0.75	99.84	IL	ilmenite
7501 5402	63 38	95 56	15	7059915	354413	10	90	0.30	0.00	0.00	96.43	0.00	0.06	0.08	0.09	0.00	96.97	IL	magnetite
7501 5402	63 38	95 56	15	7059915	354413	10	91	0.15	0.04	0.06	95.07	0.00	0.00	0.08	0.14	0.00	95.53	IL	magnetite
7501 5402	63 38	95 56	15	7059915	354413	10	92	0.26	0.00	0.08	93.60	0.00	0.00	0.03	0.07	0.00	94.06	IL	magnetite
7501 5403	63 40	95 57	15	7062414	354166	11	1	0.12	0.26	0.93	4.39	54.52	0.19	21.23	0.20	18.13	99.98	CP	diopside
7501 5403	63 40	95 57	15	7062414	354166	11	2	0.18	0.25	0.45	3.06	55.60	0.20	22.58	0.16	17.90	100.37	CP	diopside
7501 5403	63 40	95 57	15	7062414	354166	11	3	0.17	0.43	0.75	3.76	54.81	0.23	22.51	0.22	16.71	99.60	CP	diopside
7501 5403	63 40	95 57	15	7062414	354166	11	4	0.10	0.37	0.63	3.36	54.79	0.17	21.57	0.48	18.13	99.59	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 5404	63 40	95 56	15	7063311	354674	11	5	0.06	0.66	1.42	3.94	54.89	0.20	21.30	0.20	17.39	100.06	CP	diopside
7501 5406	63 42	95 56	15	7066497	354808	11	6	0.15	0.60	0.93	3.46	54.93	0.26	22.69	0.25	17.28	100.54	CP	diopside
7501 5408	63 44	95 56	15	7070116	354953	11	7	0.21	0.00	21.01	33.70	37.88	0.11	4.66	0.06	2.33	99.95	GA	almandine
7501 5408	63 44	95 56	15	7070116	354953	11	8	15.65	0.06	21.03	18.82	37.92	0.28	6.00	0.06	0.29	100.10	GA	almandine
7501 5408	63 44	95 56	15	7070116	354953	11	9	0.08	0.05	0.06	0.00	0.00	96.83	0.00	0.50	0.00	97.52	IL	rutile
7501 5409	63 45	95 57	15	7071779	354712	11	10	0.10	0.75	1.08	3.96	54.89	0.22	21.97	0.18	17.16	100.31	CP	diopside
7501 5409	63 45	95 57	15	7071779	354712	11	11	0.09	0.47	0.74	3.32	55.26	0.29	22.13	0.29	16.85	99.43	CP	diopside
7501 5410	63 45	95 56	15	7072930	355361	11	12	0.12	0.20	0.96	3.53	53.92	0.29	22.91	0.65	17.25	99.82	CP	Cr-diopside
7501 5410	63 45	95 56	15	7072930	355361	11	13	0.10	0.42	0.85	3.89	55.18	0.23	21.35	0.72	16.44	99.19	CP	Cr-diopside
7501 5410	63 45	95 56	15	7072930	355361	11	14	0.21	0.38	0.96	4.40	55.02	0.41	22.71	0.12	16.18	100.38	CP	diopside
7501 5411	63 46	95 56	15	7074648	355288	11	15	0.23	0.73	1.46	4.01	54.07	0.35	22.74	0.28	15.13	99.02	CP	diopside
7501 5412	63 47	95 56	15	7076658	355474	11	17	0.25	0.12	0.66	3.49	54.01	0.32	22.11	0.25	18.09	99.29	CP	diopside
7501 5412	63 47	95 56	15	7076658	355474	11	18	0.15	0.88	0.84	5.01	54.53	0.29	22.33	0.09	15.46	99.58	CP	diopside
7501 5412	63 47	95 56	15	7076658	355474	11	19	0.22	0.63	1.00	4.36	54.49	0.32	22.42	0.26	16.49	100.18	CP	diopside
7501 5412	63 47	95 56	15	7076658	355474	11	20	0.12	0.52	0.94	4.28	54.80	0.50	22.69	0.29	16.67	100.82	CP	diopside
7501 5412	63 47	95 56	15	7076658	355474	11	21	0.13	0.79	0.84	3.64	56.05	0.31	20.93	0.38	15.79	98.85	CP	diopside
7501 5412	63 47	95 56	15	7076658	355474	11	22	0.09	0.40	0.84	3.67	56.09	0.26	21.35	0.27	15.62	98.60	CP	diopside
7501 5412	63 47	95 56	15	7076658	355474	11	23	0.10	0.42	1.09	4.17	53.55	0.23	21.91	0.25	18.20	99.93	CP	diopside
7501 5412	63 47	95 56	15	7076658	355474	11	16	2.12	0.06	3.60	16.18	0.04	0.26	0.01	67.98	9.81	100.06	SP	chromite
7501 5501	63 38	95 54	15	7058374	356164	11	24	0.12	0.20	1.28	3.96	53.37	0.32	21.86	0.33	17.54	98.97	CP	diopside
7501 5501	63 38	95 54	15	7058374	356164	11	25	0.13	0.33	1.05	3.77	54.85	0.19	23.30	0.12	17.34	101.08	CP	diopside
7501 5503	63 39	95 54	15	7061634	356328	11	26	0.12	0.48	1.02	3.59	54.23	0.20	22.92	0.33	16.80	99.70	CP	diopside
7501 5504	63 40	95 54	15	7063000	356400	11	27	0.20	0.00	0.20	33.45	0.18	62.11	0.05	0.00	0.00	96.19	IL	Fe-rutile
7501 5504	63 40	95 54	15	7063000	356400	11	28	0.69	0.08	0.01	48.30	0.00	50.33	0.00	0.02	1.13	100.57	IL	ilmenite
7501 5507	63 43	95 55	15	7067866	356131	11	30	0.13	0.36	1.18	4.81	53.42	0.26	21.48	0.07	17.35	99.07	CP	diopside
7501 5507	63 43	95 55	15	7067866	356131	11	31	0.07	0.68	0.85	3.98	54.73	0.25	21.61	0.30	17.42	99.89	CP	diopside
7501 5507	63 43	95 55	15	7067866	356131	11	29	0.56	0.00	21.47	29.46	37.84	0.07	7.73	0.02	2.45	99.60	GA	almandine
7501 5508	63 44	95 54	15	7070122	356712	11	32	0.15	0.32	0.86	3.72	53.97	0.27	22.14	0.37	17.43	99.23	CP	diopside
7501 5508	63 44	95 54	15	7070122	356712	11	33	0.13	0.26	0.77	3.54	55.11	0.36	22.91	0.46	17.43	100.99	CP	diopside
7501 5509	63 45	95 54	15	7071352	356600	11	34	0.09	0.59	0.92	3.98	53.97	0.23	22.89	0.32	15.70	98.69	CP	diopside
7501 5509	63 45	95 54	15	7071352	356600	11	35	0.16	0.58	1.08	3.74	54.42	0.26	23.32	0.65	16.57	100.79	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 5509	63 45	95 54	15	7071352	356600	11	36	0.08	0.50	0.80	3.60	54.21	0.37	23.34	0.45	16.91	100.25	CP	diopside
7501 5509	63 45	95 54	15	7071352	356600	11	37	0.12	0.28	1.22	3.55	52.76	0.33	22.85	1.01	16.62	98.73	CP	Cr-diopside
7501 5510	63 45	95 54	15	7072937	356877	11	39	0.12	0.43	0.82	3.21	53.31	0.41	22.82	0.62	16.89	98.63	CP	Cr-diopside
7501 5510	63 45	95 54	15	7072937	356877	11	40	0.15	0.50	0.83	3.61	54.42	0.26	23.91	0.19	16.68	100.55	CP	diopside
7501 5510	63 45	95 54	15	7072937	356877	11	41	0.15	0.59	1.13	3.84	54.56	0.20	22.18	0.24	16.47	99.37	CP	diopside
7501 5510	63 45	95 54	15	7072937	356877	11	42	0.22	0.32	0.63	3.53	54.38	0.24	21.54	0.40	17.52	98.77	CP	diopside
7501 5510	63 45	95 54	15	7072937	356877	11	38	0.31	0.00	21.34	32.01	37.56	0.14	6.38	0.07	2.51	100.32	GA	almandine
7501 5605	63 41	95 53	15	7064770	357403	11	43	0.12	0.51	1.36	3.63	55.12	0.22	21.58	0.31	17.58	100.42	CP	diopside
7501 5605	63 41	95 53	15	7064770	357403	11	44	0.22	0.71	1.50	3.38	54.35	0.25	22.50	0.67	16.39	99.97	CP	Cr-diopside
7501 5605	63 41	95 53	15	7064770	357403	11	45	0.07	0.56	0.51	3.45	54.91	0.30	23.48	0.32	17.28	100.89	CP	diopside
7501 5606	63 42	95 52	15	7066315	357932	11	50	0.25	0.31	0.84	3.93	53.40	0.25	22.62	0.61	17.25	99.46	CP	Cr-diopside
7501 5606	63 42	95 52	15	7066315	357932	11	46	0.69	0.00	0.04	49.69	0.00	50.05	0.01	0.05	0.20	100.73	SP	ilmenite
7501 5606	63 42	95 52	15	7066315	357932	11	47	0.36	0.12	0.10	49.04	0.00	49.72	0.00	0.02	0.42	99.77	SP	ilmenite
7501 5606	63 42	95 52	15	7066315	357932	11	48	0.75	0.00	0.04	48.40	0.00	49.80	0.02	0.08	0.00	99.09	SP	ilmenite
7501 5606	63 42	95 52	15	7066315	357932	11	49	0.62	0.00	0.02	49.67	0.00	50.16	0.03	0.10	0.10	100.71	SP	ilmenite
7501 5607	63 43	95 52	15	7067857	358181	11	52	0.18	0.24	0.72	2.84	53.01	0.23	22.68	0.56	17.80	98.27	CP	Cr-diopside
7501 5607	63 43	95 52	15	7067857	358181	11	53	0.12	0.12	0.70	3.47	55.73	0.27	22.70	0.63	16.17	99.92	CP	Cr-diopside
7501 5607	63 43	95 52	15	7067857	358181	11	54	0.12	0.20	0.83	3.16	53.46	0.24	23.19	0.25	17.78	99.24	CP	diopside
7501 5607	63 43	95 52	15	7067857	358181	11	55	0.08	0.67	0.87	4.62	55.00	0.30	23.30	0.13	16.25	101.21	CP	diopside
7501 5607	63 43	95 52	15	7067857	358181	11	51	0.60	0.00	21.07	23.43	38.98	0.19	9.90	0.06	6.21	100.44	GA	almandine
7501 5608	63 44	95 53	15	7069968	358041	11	59	0.09	0.04	0.78	3.28	54.29	0.21	23.22	0.53	17.74	100.19	CP	Cr-diopside
7501 5608	63 44	95 53	15	7069968	358041	11	60	0.10	0.31	0.90	3.53	54.10	0.35	22.85	0.64	16.51	99.29	CP	Cr-diopside
7501 5608	63 44	95 53	15	7069968	358041	11	61	0.18	0.37	1.23	3.46	54.79	0.29	22.48	0.44	15.65	98.89	CP	diopside
7501 5608	63 44	95 53	15	7069968	358041	11	62	0.15	0.79	1.29	3.49	53.93	0.21	22.37	0.44	17.21	99.86	CP	diopside
7501 5608	63 44	95 53	15	7069968	358041	11	56	0.38	0.00	22.20	25.94	37.80	0.18	10.62	0.08	4.20	101.42	GA	almandine
7501 5608	63 44	95 53	15	7069968	358041	11	57	0.27	0.13	21.52	27.42	37.63	0.26	12.93	0.00	1.35	101.51	GA	almandine
7501 5608	63 44	95 53	15	7069968	358041	11	58	26.35	0.02	19.93	17.61	35.68	0.23	0.34	0.08	0.07	100.30	GA	spessartine
7501 5609	63 45	95 52	15	7071587	358511	11	66	0.06	0.73	1.16	3.62	53.97	0.21	22.07	0.29	16.21	98.32	CP	diopside
7501 5609	63 45	95 52	15	7071587	358511	11	63	2.88	0.00	20.53	25.33	37.43	0.45	11.98	0.09	0.43	99.13	GA	almandine
7501 5609	63 45	95 52	15	7071587	358511	11	64	0.10	0.00	0.19	3.00	0.00	86.34	0.02	1.27	0.00	90.91	SP	rutile
7501 5609	63 45	95 52	15	7071587	358511	11	65	0.25	0.24	0.21	95.27	0.00	0.07	0.00	0.16	0.00	96.21	SP	magnetite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 5610	63 45	95 53	15	7073011	358104	11	67	0.18	0.12	0.97	4.33	54.79	0.27	22.43	0.17	16.80	100.05	CP	diopside
7501 5610	63 45	95 53	15	7073011	358104	11	68	0.09	0.37	0.67	3.94	55.42	0.25	21.80	0.18	17.60	100.31	CP	diopside
7501 5610	63 45	95 53	15	7073011	358104	11	69	0.09	0.42	0.42	3.00	54.88	0.25	22.46	0.61	16.88	98.99	CP	Cr-diopside
7501 5610	63 45	95 53	15	7073011	358104	11	70	0.08	0.23	0.74	3.54	54.77	0.27	22.23	0.47	16.29	98.60	CP	diopside
7501 5611	63 46	95 52	15	7074345	358890	11	71	0.13	0.74	1.01	3.82	54.50	0.36	21.85	0.65	15.84	98.90	CP	Cr-diopside
7501 5611	63 46	95 52	15	7074345	358890	11	72	0.16	0.26	0.95	4.47	53.40	0.27	22.50	0.11	16.65	98.78	CP	diopside
7501 5611	63 46	95 52	15	7074345	358890	11	73	0.19	0.23	0.81	3.62	54.25	0.21	22.92	0.16	17.15	99.55	CP	diopside
7501 5611	63 46	95 52	15	7074345	358890	11	74	0.09	0.38	0.66	3.44	55.23	0.22	22.79	0.08	16.73	99.62	CP	diopside
7501 5700	63 37	95 50	15	7056700	359300	11	77	0.16	0.57	0.72	3.44	53.58	0.33	22.35	0.40	18.11	99.66	CP	diopside
7501 5700	63 37	95 50	15	7056700	359300	11	78	0.16	0.15	1.48	4.34	53.15	0.35	21.98	0.61	17.26	99.49	CP	Cr-diopside
7501 5700	63 37	95 50	15	7056700	359300	11	75	0.55	0.00	21.71	22.35	38.52	0.21	11.32	0.15	5.27	100.09	GA	almandine
7501 5700	63 37	95 50	15	7056700	359300	11	76	0.30	0.00	0.17	95.39	0.00	0.02	0.07	0.09	0.00	96.04	IL	magnetite
7501 5701	63 38	95 50	15	7058516	359548	11	80	0.12	0.71	1.01	3.48	54.40	0.23	22.07	0.27	17.13	99.41	CP	diopside
7501 5701	63 38	95 50	15	7058516	359548	11	79	0.77	0.00	21.02	22.83	39.17	0.23	9.45	0.07	5.36	98.90	GA	almandine
7501 5702	63 38	95 50	15	7059831	359746	11	83	0.16	0.62	1.28	3.41	53.26	0.20	22.89	0.31	17.37	99.51	CP	diopside
7501 5702	63 38	95 50	15	7059831	359746	11	84	0.22	0.15	0.80	2.60	54.89	0.19	23.23	0.50	18.51	101.09	CP	Cr-diopside
7501 5702	63 38	95 50	15	7059831	359746	11	85	0.12	0.74	1.18	3.67	54.78	0.28	22.94	0.27	16.14	100.11	CP	diopside
7501 5702	63 38	95 50	15	7059831	359746	11	86	0.13	0.39	0.59	4.68	53.78	0.22	22.08	0.10	18.02	100.02	CP	diopside
7501 5702	63 38	95 50	15	7059831	359746	11	81	3.13	0.00	21.71	22.33	37.46	0.38	13.10	0.05	2.30	100.47	GA	almandine
7501 5702	63 38	95 50	15	7059831	359746	11	82	0.35	0.06	0.01	49.89	0.00	49.00	0.00	0.07	1.08	100.46	SP	ilmenite
7501 5704	63 40	95 51	15	7063099	359299	11	90	0.09	0.18	0.70	3.62	54.01	0.25	23.03	0.10	17.77	99.75	CP	diopside
7501 5704	63 40	95 51	15	7063099	359299	11	91	0.09	0.54	1.04	3.74	53.68	0.31	22.02	0.15	17.46	99.04	CP	diopside
7501 5704	63 40	95 51	15	7063099	359299	11	92	0.18	0.09	0.98	3.72	54.24	0.28	23.11	0.09	17.17	99.86	CP	diopside
7501 5704	63 40	95 51	15	7063099	359299	11	93	0.10	0.75	0.86	4.11	54.99	0.21	21.48	0.13	16.26	98.89	CP	diopside
7501 5704	63 40	95 51	15	7063099	359299	11	94	0.13	0.55	0.61	4.88	53.98	0.28	22.32	0.10	15.95	98.80	CP	diopside
7501 5704	63 40	95 51	15	7063099	359299	11	87	0.83	0.00	22.30	20.08	39.90	0.25	9.31	0.06	8.12	100.85	GA	almandine
7501 5704	63 40	95 51	15	7063099	359299	11	88	16.74	0.02	20.38	23.20	36.31	0.27	0.82	0.09	1.71	99.53	GA	almandine
7501 5704	63 40	95 51	15	7063099	359299	11	89	0.67	0.02	21.63	21.96	39.14	0.12	11.48	0.10	5.74	100.85	GA	almandine
7501 5706	63 42	95 50	15	7066374	359553	11	97	0.22	0.87	1.98	3.78	54.10	0.26	21.85	0.28	17.33	100.68	CP	diopside
7501 5706	63 42	95 50	15	7066374	359553	11	98	0.15	0.09	1.14	3.09	55.73	0.21	22.73	0.32	17.10	100.56	CP	diopside
7501 5706	63 42	95 50	15	7066374	359553	11	99	0.13	0.42	0.66	3.46	55.93	0.23	21.46	0.40	18.14	100.82	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 5706	63 42	95 50	15	7066374	359553	11	100	0.06	0.20	0.63	2.81	56.28	0.18	22.81	0.44	17.10	100.52	CP	diopside
7501 5706	63 42	95 50	15	7066374	359553	11	101	0.15	0.22	0.71	3.78	55.22	0.16	21.37	0.18	16.74	98.54	CP	diopside
7501 5706	63 42	95 50	15	7066374	359553	11	102	0.22	0.25	0.39	3.14	54.18	0.27	22.99	0.27	18.93	100.64	CP	diopside
7501 5706	63 42	95 50	15	7066374	359553	11	103	0.21	0.65	0.86	3.61	53.87	0.24	22.66	0.27	16.92	99.28	CP	diopside
7501 5706	63 42	95 50	15	7066374	359553	11	104	0.15	0.59	0.98	3.68	54.56	0.26	22.34	0.22	17.48	100.25	CP	diopside
7501 5706	63 42	95 50	15	7066374	359553	11	95	3.05	0.00	20.34	25.52	37.71	0.24	11.78	0.11	0.63	99.39	GA	almandine
7501 5706	63 42	95 50	15	7066374	359553	11	96	0.95	0.00	22.00	24.88	39.26	0.10	9.99	0.02	3.92	101.12	GA	almandine
7501 5707	63 43	95 51	15	7067802	359312	12	2	0.19	0.64	1.20	3.65	54.16	0.17	22.89	0.20	16.23	99.34	CP	diopside
7501 5707	63 43	95 51	15	7067802	359312	12	3	0.23	0.72	0.81	4.53	53.94	0.20	22.17	0.13	16.61	99.35	CP	diopside
7501 5707	63 43	95 51	15	7067802	359312	12	4	0.15	1.10	1.29	3.60	53.90	0.34	22.94	0.33	16.69	100.35	CP	diopside
7501 5707	63 43	95 51	15	7067802	359312	12	5	0.19	0.59	1.22	4.37	54.23	0.25	22.48	0.19	17.47	100.99	CP	diopside
7501 5707	63 43	95 51	15	7067802	359312	12	6	0.15	0.12	0.73	3.28	53.39	0.27	22.73	0.23	17.44	98.34	CP	diopside
7501 5707	63 43	95 51	15	7067802	359312	12	7	0.13	0.83	1.18	3.31	52.81	0.32	23.49	0.55	17.38	100.00	CP	Cr-diopside
7501 5707	63 43	95 51	15	7067802	359312	12	1	0.58	0.00	0.07	48.44	0.00	49.16	0.00	0.14	0.45	98.85	SP	ilmenite
7501 5708	63 44	95 51	15	7069874	359310	12	10	0.12	0.17	0.84	3.69	54.52	0.37	22.24	0.56	15.99	98.51	CP	Cr-diopside
7501 5708	63 44	95 51	15	7069874	359310	12	11	0.09	0.30	0.58	3.45	54.52	0.22	23.13	0.60	16.47	99.35	CP	Cr-diopside
7501 5708	63 44	95 51	15	7069874	359310	12	8	0.92	0.00	21.89	28.59	36.87	0.14	3.75	0.07	6.52	98.74	GA	almandine
7501 5708	63 44	95 51	15	7069874	359310	12	9	0.70	0.00	21.86	25.92	38.46	0.21	10.09	0.00	3.97	101.19	GA	almandine
7501 5710	63 45	95 51	15	7072985	359530	12	15	0.12	0.36	0.87	3.19	53.97	0.34	22.85	0.68	16.63	99.00	CP	Cr-diopside
7501 5710	63 45	95 51	15	7072985	359530	12	16	0.12	0.20	0.85	3.33	52.94	0.27	22.78	0.77	16.71	97.98	CP	Cr-diopside
7501 5710	63 45	95 51	15	7072985	359530	12	17	0.16	0.15	0.49	3.05	53.91	0.21	22.90	0.43	17.18	98.50	CP	diopside
7501 5710	63 45	95 51	15	7072985	359530	12	18	0.21	0.90	1.30	3.79	54.67	0.23	22.10	0.33	15.49	99.00	CP	diopside
7501 5710	63 45	95 51	15	7072985	359530	12	12	0.34	0.00	21.71	22.37	39.34	0.25	10.40	0.06	6.53	101.00	GA	almandine
7501 5710	63 45	95 51	15	7072985	359530	12	13	0.96	0.00	22.88	20.31	38.78	0.20	10.63	0.04	7.41	101.21	GA	almandine
7501 5710	63 45	95 51	15	7072985	359530	12	14	0.54	0.00	21.26	22.13	38.71	0.25	10.03	0.07	5.93	98.90	GA	almandine
7501 5711	63 46	95 51	15	7074224	359826	12	19	0.16	0.43	0.87	2.72	53.42	0.20	23.19	0.76	17.78	99.53	CP	Cr-diopside
7501 5711	63 46	95 51	15	7074224	359826	12	20	0.12	0.39	1.34	4.00	54.59	0.29	21.02	0.95	15.87	98.58	CP	Cr-diopside
7501 5711	63 46	95 51	15	7074224	359826	12	21	0.12	0.21	0.89	2.87	55.49	0.24	22.00	0.48	16.39	98.68	CP	diopside
7501 5711	63 46	95 51	15	7074224	359826	12	22	0.12	0.24	1.02	3.58	53.25	0.26	23.13	0.69	17.13	99.40	CP	Cr-diopside
7501 5711	63 46	95 51	15	7074224	359826	12	23	0.19	0.44	0.39	3.12	53.01	0.24	23.43	0.54	16.85	98.20	CP	Cr-diopside
7501 5809	63 45	95 48	15	7071301	361553	12	25	0.22	0.09	0.83	2.76	54.27	0.27	23.10	0.55	16.93	99.03	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 5809	63 45	95 48	15	7071301	361553	12	24	14.01	0.00	20.46	24.48	37.07	0.21	3.36	0.01	0.71	100.31	GA	almandine
7501 5810	63 45	95 49	15	7072938	361209	12	26	2.01	0.02	21.26	25.41	36.96	0.19	12.56	0.03	0.76	99.19	GA	almandine
7501 5811	63 46	95 48	15	7074472	361853	12	27	0.13	0.25	0.70	3.42	53.08	0.26	22.35	0.27	18.86	99.33	CP	diopside
7501 5904	63 40	95 46	15	7063122	362881	12	29	0.11	0.79	1.01	3.49	54.58	0.22	22.54	0.20	17.89	100.82	CP	diopside
7501 5904	63 40	95 46	15	7063122	362881	12	30	0.21	0.52	0.96	4.36	53.88	0.35	22.88	0.19	15.93	99.28	CP	diopside
7501 5904	63 40	95 46	15	7063122	362881	12	31	0.15	0.32	0.86	3.53	52.96	0.24	23.26	0.53	17.14	99.00	CP	Cr-diopside
7501 5904	63 40	95 46	15	7063122	362881	12	32	0.06	0.54	1.22	3.51	53.87	0.26	21.68	0.33	17.32	98.80	CP	diopside
7501 5904	63 40	95 46	15	7063122	362881	12	33	0.13	0.41	0.94	4.14	53.66	0.24	23.29	0.21	16.28	99.30	CP	diopside
7501 5904	63 40	95 46	15	7063122	362881	12	28	1.36	0.00	21.82	21.94	37.60	0.19	12.37	0.00	3.43	98.72	GA	almandine
7501 5906	63 42	95 47	15	7066154	362332	12	34	0.19	0.16	0.62	4.14	55.25	0.29	22.04	0.14	16.72	99.54	CP	diopside
7501 5907	63 43	95 47	15	7067574	362702	12	36	0.10	0.32	0.34	3.17	54.20	0.23	23.42	0.28	16.64	98.71	CP	diopside
7501 5907	63 43	95 47	15	7067574	362702	12	37	0.15	0.34	0.99	2.96	53.69	0.24	23.33	0.73	16.70	99.13	CP	Cr-diopside
7501 5907	63 43	95 47	15	7067574	362702	12	38	0.13	0.89	1.19	3.59	54.53	0.30	21.85	0.43	16.96	99.87	CP	diopside
7501 5907	63 43	95 47	15	7067574	362702	12	35	0.46	0.00	22.44	23.99	38.49	0.30	5.92	0.08	8.37	100.05	GA	almandine
7501 5911	63 46	95 46	15	7074032	363383	12	40	0.15	0.90	0.32	4.48	53.04	0.54	22.18	0.83	16.10	98.54	CP	Cr-diopside
7501 5911	63 46	95 46	15	7074032	363383	12	41	0.09	0.63	1.03	4.62	54.40	0.21	21.28	0.13	16.27	98.65	CP	diopside
7501 5911	63 46	95 46	15	7074032	363383	12	42	0.18	0.98	1.58	3.83	52.99	0.26	22.38	0.24	16.84	99.27	CP	diopside
7501 5911	63 46	95 46	15	7074032	363383	12	39	0.36	0.00	18.92	28.88	42.72	0.20	5.91	0.08	2.72	99.78	GA	almandine
7501 5912	63 47	95 46	15	7075654	363318	12	44	0.19	0.37	0.59	3.84	54.14	0.19	21.80	0.27	18.66	100.07	CP	diopside
7501 5912	63 47	95 46	15	7075654	363318	12	43	0.65	0.01	19.06	6.24	38.74	0.20	34.40	0.01	0.04	99.35	GA	grossular
7501 5913	63 48	95 46	15	7078058	363410	12	45	0.23	0.61	1.14	3.51	53.16	0.23	22.35	0.30	17.60	99.13	CP	diopside
7501 6002	63 39	95 45	15	7059825	364103	12	48	0.16	0.75	1.48	3.82	55.27	0.24	21.84	0.28	17.68	101.53	CP	diopside
7501 6002	63 39	95 45	15	7059825	364103	12	49	0.22	0.55	0.76	4.21	53.91	0.42	22.74	0.23	16.04	99.07	CP	diopside
7501 6002	63 39	95 45	15	7059825	364103	12	46	1.32	0.07	21.98	23.49	38.44	0.18	11.34	0.05	4.41	101.29	GA	almandine
7501 6002	63 39	95 45	15	7059825	364103	12	47	0.65	0.03	0.12	48.79	0.00	49.37	0.02	0.04	0.52	99.55	IL	ilmenite
7501 6005	63 41	95 45	15	7064725	364229	12	52	0.08	0.32	0.79	2.95	54.95	0.25	22.43	0.59	17.08	99.43	CP	Cr-diopside
7501 6005	63 41	95 45	15	7064725	364229	12	53	0.21	0.72	1.19	4.24	54.41	0.22	20.97	0.22	15.74	97.91	CP	diopside
7501 6005	63 41	95 45	15	7064725	364229	12	54	0.12	0.64	1.18	3.54	53.73	0.27	22.26	0.22	16.87	98.83	CP	diopside
7501 6005	63 41	95 45	15	7064725	364229	12	55	0.19	0.60	0.95	3.69	53.18	0.29	22.65	0.26	16.40	98.21	CP	diopside
7501 6005	63 41	95 45	15	7064725	364229	12	50	0.35	0.00	0.06	48.90	0.00	49.20	0.01	0.12	1.08	99.71	IL	ilmenite
7501 6005	63 41	95 45	15	7064725	364229	12	51	0.55	0.06	0.12	50.08	0.00	49.08	0.00	0.14	0.48	100.51	IL	ilmenite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 6006	63 42	95 45	15	7065695	364205	12	56	0.15	0.84	1.19	3.76	54.89	0.25	22.63	0.50	16.46	100.67	CP	Cr-diopside
7501 6006	63 42	95 45	15	7065695	364205	12	57	0.12	0.91	1.13	4.39	53.16	0.31	22.01	0.17	16.02	98.22	CP	diopside
7501 6006	63 42	95 45	15	7065695	364205	12	58	0.09	0.29	0.78	3.51	54.32	0.23	21.24	0.25	18.44	99.16	CP	diopside
7501 6006	63 42	95 45	15	7065695	364205	12	59	0.22	0.42	0.79	4.81	55.21	0.23	20.36	0.22	16.97	99.23	CP	diopside
7501 6006	63 42	95 45	15	7065695	364205	12	60	0.12	0.38	0.85	3.72	54.58	0.25	22.94	0.46	16.77	100.08	CP	diopside
7501 6006	63 42	95 45	15	7065695	364205	12	61	0.22	0.42	1.17	3.97	54.68	0.26	21.77	0.09	16.50	99.09	CP	diopside
7501 6006	63 42	95 45	15	7065695	364205	12	62	0.06	0.62	1.21	3.49	54.62	0.27	22.94	0.51	16.76	100.48	CP	Cr-diopside
7501 6006	63 42	95 45	15	7065695	364205	12	63	0.25	0.44	0.84	3.09	54.96	0.22	23.32	0.51	17.71	101.33	CP	Cr-diopside
7501 6007	63 42	95 45	15	7065695	364205	12	64	0.12	0.23	0.69	3.03	53.15	0.16	22.03	0.29	19.17	98.87	CP	diopside
7501 6007	63 42	95 45	15	7065695	364205	12	65	0.10	0.26	1.12	3.95	53.37	0.19	22.77	0.09	17.08	98.93	CP	diopside
7501 6011	63 46	95 45	15	7073430	364726	12	66	0.18	0.26	0.58	3.25	53.65	0.19	21.75	0.28	17.96	98.10	CP	diopside
7501 6011	63 46	95 45	15	7073430	364726	12	67	0.09	0.42	0.84	3.10	54.00	0.22	23.36	0.67	17.93	100.62	CP	Cr-diopside
7501 6011	63 46	95 45	15	7073430	364726	12	68	0.08	0.53	1.36	3.86	54.38	0.42	23.30	0.32	15.49	99.73	CP	diopside
7501 6013	63 48	95 45	15	7077161	364929	12	69	0.22	0.42	0.88	3.20	52.88	0.26	23.14	0.42	17.96	99.39	CP	diopside
7501 6014	63 49	95 45	15	7078755	364900	12	71	0.18	0.20	0.47	3.22	54.67	0.21	22.74	0.14	18.45	100.28	CP	diopside
7501 6014	63 49	95 45	15	7078755	364900	12	70	0.62	0.00	21.69	23.98	38.32	0.16	9.87	0.05	5.79	100.47	GA	almandine
7501 6019	63 53	95 44	15	7087499	365515	12	72	0.15	0.32	0.34	2.94	53.88	0.28	24.22	0.18	17.29	99.60	CP	diopside
7501 6102	63 38	95 42	15	7059563	365873	12	73	0.13	0.26	1.08	3.69	54.11	0.44	22.83	0.38	17.65	100.58	CP	diopside
7501 6103	63 40	95 43	15	7061620	365793	12	78	0.21	0.33	0.95	3.50	54.10	0.26	22.90	0.31	17.73	100.28	CP	diopside
7501 6103	63 40	95 43	15	7061620	365793	12	79	0.10	0.59	1.24	3.70	53.36	0.33	22.96	0.64	16.13	99.06	CP	Cr-diopside
7501 6103	63 40	95 43	15	7061620	365793	12	80	0.21	0.28	1.01	4.04	54.08	0.32	22.57	0.65	16.52	99.69	CP	Cr-diopside
7501 6103	63 40	95 43	15	7061620	365793	12	81	0.15	0.46	0.90	3.86	54.73	0.31	22.93	0.40	17.02	100.76	CP	diopside
7501 6103	63 40	95 43	15	7061620	365793	12	74	1.09	0.07	22.07	26.32	38.03	0.15	9.15	0.02	4.58	101.48	GA	almandine
7501 6103	63 40	95 43	15	7061620	365793	12	75	0.09	0.00	54.26	15.79	28.37	0.66	0.04	0.14	1.15	100.51	GA	staurolite
7501 6103	63 40	95 43	15	7061620	365793	12	76	0.63	0.01	21.28	26.18	37.27	0.24	9.98	0.09	3.76	99.45	GA	almandine
7501 6103	63 40	95 43	15	7061620	365793	12	77	2.34	0.00	21.22	30.25	37.49	0.07	4.16	0.12	4.53	100.19	GA	almandine
7501 6105	63 41	95 43	15	7064484	365872	12	83	0.15	0.55	0.91	3.78	53.80	0.30	22.63	0.27	16.63	99.00	CP	diopside
7501 6105	63 41	95 43	15	7064484	365872	12	82	0.06	0.27	0.18	2.31	54.40	0.20	23.98	0.34	17.07	98.81	CP	diopside
7501 6106	63 42	95 42	15	7065465	366218	12	84	0.09	0.34	0.53	3.73	55.16	0.19	22.70	0.11	16.93	99.77	CP	diopside
7501 6106	63 42	95 42	15	7065465	366218	12	85	0.12	0.22	0.94	3.42	52.25	0.24	23.74	0.16	18.12	99.20	CP	diopside
7501 6109	63 45	95 42	15	7070944	366617	12	87	0.21	0.36	0.91	3.48	54.60	0.19	22.07	0.38	16.58	98.77	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 6109	63 45	95 42	15	7070944	366617	12	86	0.27	0.00	22.56	24.85	39.66	0.14	1.26	0.13	12.11	100.97	GA	almandine
7501 6112	63 47	95 43	15	7076009	366178	12	89	0.13	0.47	0.67	3.43	53.50	0.26	22.32	0.62	16.90	98.32	CP	Cr-diopside
7501 6112	63 47	95 43	15	7076009	366178	12	88	0.36	0.00	21.17	23.39	38.63	0.15	10.21	0.12	5.86	99.88	GA	almandine
7501 6114	63 49	95 42	15	7078825	366675	12	90	7.19	0.00	21.87	18.90	37.38	0.21	14.74	0.10	0.64	101.02	GA	grossular
7501 6114	63 49	95 42	15	7078825	366675	12	91	4.81	0.00	21.07	23.72	37.56	0.17	11.74	0.05	0.78	99.89	GA	almandine
7501 6114	63 49	95 42	15	7078825	366675	12	92	0.65	0.00	21.31	26.66	39.46	0.12	7.85	0.04	5.41	101.49	GA	almandine
7501 6203	63 40	95 41	15	7061723	367544	12	96	0.15	0.74	1.24	3.73	54.38	0.29	21.47	0.29	16.69	99.00	CP	diopside
7501 6203	63 40	95 41	15	7061723	367544	12	97	0.18	0.28	0.58	3.95	54.83	0.16	22.29	0.15	16.83	99.23	CP	diopside
7501 6203	63 40	95 41	15	7061723	367544	12	98	0.11	0.23	0.92	3.68	53.69	0.26	22.35	0.56	16.45	98.24	CP	Cr-diopside
7501 6203	63 40	95 41	15	7061723	367544	12	99	0.15	0.33	1.15	3.94	55.63	0.37	21.21	0.31	16.65	99.72	CP	diopside
7501 6203	63 40	95 41	15	7061723	367544	12	93	0.42	0.06	21.37	22.44	37.81	0.14	10.22	0.07	7.42	99.94	GA	almandine
7501 6203	63 40	95 41	15	7061723	367544	12	94	2.07	0.00	21.18	25.89	37.45	0.28	10.49	0.04	1.82	99.22	GA	almandine
7501 6203	63 40	95 41	15	7061723	367544	12	95	2.00	0.06	21.43	27.06	36.37	0.33	11.48	0.04	0.59	99.34	GA	almandine
7501 6210	63 46	95 40	15	7073163	368254	12	100	0.15	0.77	1.07	3.76	53.70	0.22	21.62	0.19	16.54	98.03	CP	diopside
7501 6211	63 47	95 40	15	7074666	368157	13	3	0.06	0.48	0.97	3.62	53.42	0.30	22.86	0.32	17.05	99.08	CP	diopside
7501 6211	63 47	95 40	15	7074666	368157	13	4	0.15	0.65	0.92	3.50	53.89	0.24	23.77	0.44	16.55	100.11	CP	diopside
7501 6211	63 47	95 40	15	7074666	368157	13	5	0.13	0.24	1.18	4.63	53.81	0.25	22.88	0.24	16.42	99.78	CP	diopside
7501 6211	63 47	95 40	15	7074666	368157	13	6	0.16	0.13	0.77	3.49	53.67	0.30	22.72	0.39	17.07	98.70	CP	diopside
7501 6211	63 47	95 40	15	7074666	368157	13	7	0.26	0.34	0.93	4.28	54.05	0.27	22.96	0.06	16.76	99.89	CP	diopside
7501 6211	63 47	95 40	15	7074666	368157	13	8	0.13	0.25	0.79	2.67	53.52	0.23	23.46	0.38	17.80	99.23	CP	diopside
7501 6211	63 47	95 40	15	7074666	368157	13	1	0.43	0.00	22.33	22.22	38.88	0.24	5.82	0.03	9.46	99.42	GA	almandine
7501 6211	63 47	95 40	15	7074666	368157	13	2	0.51	0.00	21.17	28.23	38.24	0.21	4.66	0.05	6.02	99.08	GA	almandine
7501 6212	63 47	95 41	15	7075979	367795	13	10	0.17	0.99	1.18	3.87	53.83	0.32	23.01	0.17	16.07	99.60	CP	diopside
7501 6212	63 47	95 41	15	7075979	367795	13	11	0.09	0.17	0.47	2.93	53.80	0.23	22.81	0.39	17.98	98.88	CP	diopside
7501 6212	63 47	95 41	15	7075979	367795	13	12	0.17	0.32	0.63	2.94	53.79	0.19	23.10	0.38	18.28	99.81	CP	diopside
7501 6212	63 47	95 41	15	7075979	367795	13	13	0.09	0.19	0.90	3.06	53.88	0.22	23.68	0.69	16.76	99.46	CP	Cr-diopside
7501 6212	63 47	95 41	15	7075979	367795	13	9	0.95	0.00	20.83	25.86	37.84	0.24	6.54	0.06	6.39	98.73	GA	almandine
7501 6213	63 48	95 41	15	7077046	368107	13	15	0.23	0.89	1.26	3.86	53.92	0.24	21.70	0.21	16.98	99.29	CP	diopside
7501 6213	63 48	95 41	15	7077046	368107	13	14	4.44	0.00	19.65	26.95	38.23	0.15	8.84	0.08	0.45	98.78	GA	almandine
7501 6302	63 39	95 38	15	7059728	369780	13	16	0.10	0.22	0.77	3.46	53.48	0.17	22.13	0.17	18.39	98.89	CP	diopside
7501 6308	63 43	95 38	15	7068839	370198	13	17	0.22	0.91	0.55	4.88	53.32	0.51	22.93	0.40	15.83	99.55	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 6308	63 43	95 38	15	7068839	370198	13	18	0.06	0.81	0.89	3.80	54.15	0.23	22.53	0.14	17.46	100.07	CP	diopside
7501 6308	63 43	95 38	15	7068839	370198	13	19	0.10	0.69	1.20	3.44	53.03	0.25	22.67	0.32	17.13	98.84	CP	diopside
7501 6308	63 43	95 38	15	7068839	370198	13	20	0.06	0.56	1.69	4.13	53.04	0.29	20.40	1.33	18.02	99.52	CP	Cr-diopside
7501 6309	63 45	95 38	15	7071029	369769	13	21	0.16	0.18	0.82	3.99	54.71	0.24	21.91	0.16	17.63	99.79	CP	diopside
7501 6309	63 45	95 38	15	7071029	369769	13	22	0.10	0.29	0.56	3.74	54.72	0.34	23.86	0.33	16.25	100.19	CP	diopside
7501 6313	63 48	95 38	15	7077100	369900	13	23	0.12	0.39	0.90	3.55	54.30	0.28	22.70	0.35	17.59	100.16	CP	diopside
7501 6314	63 49	95 39	15	7078651	369774	13	24	0.21	0.27	0.83	3.78	53.91	0.25	22.99	0.28	16.66	99.18	CP	diopside
7501 6314	63 49	95 39	15	7078651	369774	13	25	0.06	0.76	1.00	4.26	53.26	0.27	22.93	0.17	16.48	99.18	CP	diopside
7501 6403	63 40	95 37	15	7061589	370250	13	26	0.12	0.23	0.67	3.94	54.26	0.23	23.03	0.18	17.58	100.23	CP	diopside
7501 6403	63 40	95 37	15	7061589	370250	13	27	0.13	0.30	0.64	2.93	54.72	0.29	23.20	0.54	18.56	101.31	CP	Cr-diopside
7501 6403	63 40	95 37	15	7061589	370250	13	28	0.18	0.58	0.95	4.23	53.50	0.26	23.23	0.18	17.84	100.94	CP	diopside
7501 6405	63 41	95 37	15	7064628	370632	13	31	0.12	0.47	0.87	3.56	54.36	0.30	23.15	0.22	17.20	100.24	CP	diopside
7501 6405	63 41	95 37	15	7064628	370632	13	32	0.21	0.13	0.86	3.26	53.05	0.35	23.14	0.73	17.36	99.08	CP	Cr-diopside
7501 6405	63 41	95 37	15	7064628	370632	13	29	0.41	0.03	20.71	24.25	38.85	0.19	9.11	0.08	5.51	99.14	GA	almandine
7501 6405	63 41	95 37	15	7064628	370632	13	30	2.36	0.00	20.37	25.19	38.42	0.17	13.44	0.06	0.60	100.59	GA	almandine
7501 6406	63 42	95 36	15	7065761	371126	13	33	0.13	0.21	1.23	3.46	53.94	0.26	23.22	0.18	16.85	99.48	CP	diopside
7501 6406	63 42	95 36	15	7065761	371126	13	34	0.12	0.24	0.76	3.83	55.18	0.26	22.72	0.22	17.30	100.62	CP	diopside
7501 6406	63 42	95 36	15	7065761	371126	13	35	0.13	0.63	1.12	4.26	55.44	0.24	21.99	0.16	16.53	100.50	CP	diopside
7501 6406	63 42	95 36	15	7065761	371126	13	36	0.13	0.39	1.18	4.28	53.32	0.31	22.23	0.55	17.26	99.64	CP	Cr-diopside
7501 6412	63 47	95 37	15	7075900	371300	13	38	0.14	0.73	1.02	3.37	54.24	0.23	22.42	0.32	17.01	99.48	CP	diopside
7501 6412	63 47	95 37	15	7075900	371300	13	39	0.17	0.48	0.98	4.15	53.41	0.40	22.92	0.27	16.99	99.76	CP	diopside
7501 6412	63 47	95 37	15	7075900	371300	13	40	0.19	0.37	1.02	4.05	54.12	0.29	22.32	0.34	16.03	98.74	CP	diopside
7501 6412	63 47	95 37	15	7075900	371300	13	37	0.60	0.16	21.47	23.50	37.93	0.13	10.17	0.04	4.99	99.00	GA	almandine
7501 6413	63 48	95 37	15	7077055	371000	13	41	0.21	0.75	1.29	4.26	54.22	0.25	23.40	0.21	16.49	101.09	CP	diopside
7501 6414	63 49	95 37	15	7078643	371341	13	42	0.25	0.51	1.42	4.10	53.96	0.23	20.77	1.07	17.22	99.53	CP	Cr-diopside
7501 6415	63 50	95 36	15	7080366	371765	13	44	0.23	0.78	0.92	3.55	54.25	0.26	22.88	0.13	16.29	99.30	CP	diopside
7501 6415	63 50	95 36	15	7080366	371765	13	45	0.17	0.69	0.73	2.92	54.25	0.18	22.84	0.74	16.42	98.94	CP	Cr-diopside
7501 6415	63 50	95 36	15	7080366	371765	13	43	29.80	0.03	20.69	11.57	37.00	0.11	0.44	0.07	0.19	99.91	GA	spessartine
7501 6419	63 53	95 37	15	7086230	371408	13	46	0.56	0.00	20.82	27.17	37.44	0.21	11.59	0.12	1.62	99.52	GA	almandine
7501 6419	63 53	95 37	15	7086230	371408	13	47	26.77	0.07	20.70	14.16	37.15	0.17	0.62	0.08	0.99	100.72	GA	spessartine
7501 6504	63 41	95 35	15	7063237	372544	13	49	0.02	0.47	2.65	4.80	52.75	0.33	20.19	0.51	17.05	98.76	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 6504	63 41	95 35	15	7063237	372544	13	50	0.21	0.66	0.83	2.81	55.60	0.14	22.89	0.46	16.99	100.59	CP	diopside
7501 6504	63 41	95 35	15	7063237	372544	13	48	1.53	0.00	21.53	28.46	37.17	0.21	10.62	0.07	0.72	100.30	GA	almandine
7501 6505	63 41	95 34	15	7064310	372844	13	52	0.19	0.32	0.48	3.05	54.25	0.25	23.43	0.21	17.77	99.94	CP	diopside
7501 6505	63 41	95 34	15	7064310	372844	13	53	0.25	0.28	0.44	3.33	54.80	0.28	22.53	0.21	17.95	100.08	CP	diopside
7501 6505	63 41	95 34	15	7064310	372844	13	51	2.24	0.00	19.84	25.70	38.06	0.24	12.79	0.10	1.08	100.04	GA	almandine
7501 6506	63 42	95 35	15	7065868	372559	13	55	0.08	0.77	1.10	3.37	54.52	0.20	23.25	0.57	16.73	100.59	CP	Cr-diopside
7501 6506	63 42	95 35	15	7065868	372559	13	56	0.13	0.26	1.37	4.23	54.34	0.22	21.73	0.72	17.23	100.23	CP	Cr-diopside
7501 6506	63 42	95 35	15	7065868	372559	13	54	0.17	0.00	21.20	22.24	39.03	0.15	11.07	0.07	5.90	99.84	GA	almandine
7501 6604	63 40	95 32	15	7062909	374361	13	59	0.19	0.27	1.33	4.63	54.00	0.26	22.20	0.06	17.06	100.01	CP	diopside
7501 6604	63 40	95 32	15	7062909	374361	13	60	0.15	0.44	0.93	4.76	54.31	0.23	22.35	0.17	17.33	100.65	CP	diopside
7501 6604	63 40	95 32	15	7062909	374361	13	61	0.15	0.26	0.64	3.13	54.06	0.28	23.03	0.15	18.22	99.90	CP	diopside
7501 6604	63 40	95 32	15	7062909	374361	13	62	0.22	0.27	1.06	4.44	52.23	0.23	21.36	0.37	18.76	98.93	CP	diopside
7501 6604	63 40	95 32	15	7062909	374361	13	57	0.46	0.00	21.44	19.93	40.38	0.25	10.86	0.13	7.87	101.33	GA	almandine
7501 6604	63 40	95 32	15	7062909	374361	13	58	1.77	0.00	20.06	23.97	38.27	0.20	11.46	0.13	2.75	98.61	GA	almandine
7501 6605	63 41	95 32	15	7064300	374449	13	63	0.51	0.00	21.45	24.50	38.85	0.32	5.86	0.15	7.16	98.81	GA	almandine
7501 6605	63 41	95 32	15	7064300	374449	13	64	10.74	0.00	20.17	23.10	37.14	0.18	5.84	0.00	2.25	99.42	GA	almandine
7501 6605	63 41	95 32	15	7064300	374449	13	65	0.36	0.05	21.70	24.06	38.80	0.29	4.20	0.13	10.05	99.64	GA	almandine
7501 6606	63 42	95 33	15	7065893	374115	13	69	0.16	0.50	1.48	4.50	53.92	0.34	21.48	0.21	17.51	100.09	CP	diopside
7501 6606	63 42	95 33	15	7065893	374115	13	70	0.14	0.52	1.27	4.25	53.88	0.22	21.12	0.90	17.55	99.87	CP	Cr-diopside
7501 6606	63 42	95 33	15	7065893	374115	13	66	0.41	0.00	20.84	35.50	37.03	0.18	2.82	0.06	2.88	99.72	GA	almandine
7501 6606	63 42	95 33	15	7065893	374115	13	67	1.54	0.00	20.54	27.44	37.58	0.15	11.99	0.07	0.74	100.05	GA	almandine
7501 6606	63 42	95 33	15	7065893	374115	13	68	1.32	0.00	21.22	35.64	38.38	0.15	2.70	0.08	1.98	101.46	GA	almandine
7501 6615	63 50	95 33	15	7080432	374903	13	72	0.12	0.00	23.14	13.20	38.82	0.35	22.61	0.03	0.00	98.28	CP	grossular
7501 6615	63 50	95 33	15	7080432	374903	13	73	0.10	0.86	1.57	4.25	53.97	0.33	22.17	0.23	16.84	100.32	CP	diopside
7501 6615	63 50	95 33	15	7080432	374903	13	71	1.79	0.00	21.22	24.74	39.44	0.19	9.25	0.06	4.46	101.14	GA	almandine
7501 6703	63 40	95 31	15	7061267	375495	13	74	0.16	0.18	0.64	3.11	55.52	0.31	23.05	0.44	17.80	101.21	CP	diopside
7501 6703	63 40	95 31	15	7061267	375495	13	75	0.20	0.66	0.96	3.53	54.49	0.32	22.82	0.46	17.57	101.00	CP	diopside
7501 6703	63 40	95 31	15	7061267	375495	13	76	0.05	0.27	0.83	3.78	54.50	0.21	23.12	0.23	16.43	99.42	CP	diopside
7501 6703	63 40	95 31	15	7061267	375495	13	77	0.14	0.31	0.58	3.58	54.40	0.31	23.87	0.06	16.25	99.50	CP	diopside
7501 6703	63 40	95 31	15	7061267	375495	13	78	0.06	0.35	0.54	3.65	55.56	0.17	22.81	0.18	17.89	101.21	CP	diopside
7501 6704	63 40	95 31	15	7062857	375555	13	79	0.10	0.26	1.00	2.92	55.29	0.23	22.18	0.25	18.65	100.88	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 6704	63 40	95 31	15	7062857	375555	13	80	0.11	0.67	0.93	3.85	54.41	0.24	22.94	0.31	16.08	99.54	CP	diopside
7501 6704	63 40	95 31	15	7062857	375555	13	81	0.28	0.42	0.81	4.47	54.03	0.33	22.90	0.08	16.74	100.06	CP	diopside
7501 6706	63 42	95 31	15	7066077	375539	13	82	0.23	0.58	1.10	3.44	54.03	0.25	21.93	0.23	17.01	98.80	CP	diopside
7501 6706	63 42	95 31	15	7066077	375539	13	83	0.17	0.52	1.04	3.43	53.75	0.31	23.43	0.93	16.83	100.41	CP	Cr-diopside
7501 6706	63 42	95 31	15	7066077	375539	13	84	0.22	0.32	0.99	3.71	54.24	0.28	23.07	0.13	16.72	99.67	CP	diopside
7501 6706	63 42	95 31	15	7066077	375539	13	85	0.11	0.29	1.43	4.61	54.57	0.18	20.70	0.68	16.71	99.29	CP	Cr-diopside
7501 6706	63 42	95 31	15	7066077	375539	13	86	0.17	0.27	0.87	3.89	55.38	0.25	22.14	0.19	17.40	100.57	CP	diopside
7501 6706	63 42	95 31	15	7066077	375539	13	87	0.16	0.38	0.94	3.38	54.05	0.27	23.23	0.64	16.60	99.65	CP	Cr-diopside
7501 6706	63 42	95 31	15	7066077	375539	13	88	0.02	0.33	1.28	3.87	55.25	0.26	22.66	0.18	16.93	100.77	CP	diopside
7501 6706	63 42	95 31	15	7066077	375539	13	89	0.26	0.00	26.22	10.51	39.99	0.15	23.00	0.04	0.12	100.29	CP	grossular
7501 6706	63 42	95 31	15	7066077	375539	13	90	0.15	0.22	0.87	3.55	54.92	0.14	21.24	0.16	18.14	99.39	CP	diopside
7501 6711	63 46	95 31	15	7073893	376205	13	93	0.06	0.60	0.98	3.34	53.08	0.37	22.54	0.52	17.75	99.24	CP	Cr-diopside
7501 6711	63 46	95 31	15	7073893	376205	13	94	0.18	0.72	1.17	3.44	53.81	0.36	23.25	0.53	16.88	100.34	CP	Cr-diopside
7501 6711	63 46	95 31	15	7073893	376205	13	91	0.42	0.01	20.99	23.33	39.02	0.19	10.98	0.09	5.05	100.08	GA	almandine
7501 6711	63 46	95 31	15	7073893	376205	13	92	0.32	0.00	55.62	13.31	27.66	0.50	0.05	0.06	1.86	99.39	GA	staurolite
7501 6714	63 49	95 30	15	7078475	376683	13	95	0.13	0.45	2.45	4.41	53.06	0.23	21.48	0.65	17.64	100.49	CP	Cr-diopside
7501 6803	63 40	95 29	15	7061372	377322	13	96	0.17	0.18	1.11	4.28	53.84	0.28	22.25	0.47	16.26	98.85	CP	diopside
7501 6803	63 40	95 29	15	7061372	377322	13	97	0.22	0.36	0.85	3.39	54.54	0.32	22.96	0.46	17.68	100.77	CP	diopside
7501 6804	63 40	95 29	15	7062693	377177	13	99	0.13	0.31	0.77	2.78	54.82	0.26	22.93	0.50	17.52	100.03	CP	Cr-diopside
7501 6804	63 40	95 29	15	7062693	377177	13	100	0.19	0.24	1.56	4.65	54.11	0.20	20.98	0.76	17.96	100.66	CP	Cr-diopside
7501 6804	63 40	95 29	15	7062693	377177	13	98	0.31	0.11	19.94	31.11	37.74	0.19	7.49	0.08	2.29	99.26	GA	almandine
7501 6817	63 52	95 29	15	7083494	378038	14	1	0.49	0.01	22.87	22.01	39.53	0.34	6.16	0.12	8.96	100.50	GA	almandine
7501 6904	63 40	95 27	15	7062666	378730	14	5	0.16	0.68	1.02	4.14	54.28	0.27	22.76	0.13	16.85	100.30	CP	diopside
7501 6904	63 40	95 27	15	7062666	378730	14	2	1.36	0.00	21.16	25.78	38.05	0.33	12.23	0.14	1.54	100.59	GA	almandine
7501 6904	63 40	95 27	15	7062666	378730	14	3	0.50	0.00	21.12	22.53	38.63	0.28	8.15	0.00	8.12	99.34	GA	almandine
7501 6904	63 40	95 27	15	7062666	378730	14	4	2.15	0.00	20.92	29.00	38.29	0.16	7.49	0.07	2.19	100.27	GA	almandine
7501 6913	63 48	95 27	15	7077049	379370	14	6	0.47	0.01	22.31	28.24	38.31	0.29	3.97	0.13	6.99	100.71	GA	almandine
7501 6913	63 48	95 27	15	7077049	379370	14	7	0.13	0.00	21.61	21.88	38.46	0.21	10.49	0.02	6.73	99.51	GA	almandine
7501 6915	63 50	95 27	15	7080314	379458	14	8	0.15	0.67	1.01	4.08	54.09	0.28	23.02	0.24	16.64	100.17	CP	diopside
7501 6917	63 52	95 26	15	7083752	380103	14	9	0.27	0.00	21.99	23.24	39.31	0.15	9.29	0.09	6.27	100.61	GA	almandine
7501 6917	63 52	95 26	15	7083752	380103	14	10	3.97	0.00	20.51	26.78	37.74	0.22	10.92	0.03	0.81	100.99	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 6917	63 52	95 26	15	7083752	380103	14	11	23.29	0.00	20.74	17.67	37.50	0.24	0.93	0.05	0.33	100.76	GA	spessartine
7501 6917	63 52	95 26	15	7083752	380103	14	12	1.24	0.00	22.12	27.21	38.36	0.18	5.24	0.11	5.53	99.98	GA	almandine
7501 6919	63 53	95 27	15	7086407	379686	14	16	0.10	0.18	0.89	3.16	53.82	0.28	23.17	0.77	17.39	99.74	CP	Cr-diopside
7501 6919	63 53	95 27	15	7086407	379686	14	17	0.10	0.33	1.02	3.35	55.30	0.31	22.92	0.65	17.52	101.50	CP	Cr-diopside
7501 6919	63 53	95 27	15	7086407	379686	14	13	0.63	0.00	22.54	23.48	38.42	0.28	7.14	0.11	7.58	100.18	GA	almandine
7501 6919	63 53	95 27	15	7086407	379686	14	14	1.51	0.07	20.46	25.52	38.25	0.25	11.86	0.07	1.40	99.38	GA	almandine
7501 6919	63 53	95 27	15	7086407	379686	14	15	14.26	0.00	20.60	26.80	37.39	0.15	0.68	0.05	0.54	100.46	GA	almandine
7501 7003	63 39	95 25	15	7060864	380352	14	23	0.19	0.29	0.84	3.59	53.36	0.28	23.27	0.44	16.92	99.15	CP	diopside
7501 7003	63 39	95 25	15	7060864	380352	14	18	0.39	0.00	20.81	25.85	38.95	0.16	12.84	0.07	1.93	101.02	GA	almandine
7501 7003	63 39	95 25	15	7060864	380352	14	19	0.39	0.00	21.47	22.69	38.61	0.12	10.46	0.09	5.03	98.87	GA	almandine
7501 7003	63 39	95 25	15	7060864	380352	14	20	0.64	0.00	13.76	11.60	37.88	0.41	34.51	0.11	0.18	99.09	GA	grossular
7501 7003	63 39	95 25	15	7060864	380352	14	21	3.77	0.00	21.16	24.30	38.42	0.22	10.93	0.07	1.48	100.34	GA	almandine
7501 7003	63 39	95 25	15	7060864	380352	14	22	17.57	0.00	20.66	22.67	37.30	0.31	0.66	0.07	0.65	99.91	GA	almandine
7501 7009	63 45	95 25	15	7070667	380820	14	24	0.72	0.00	21.08	22.12	39.11	0.17	11.35	0.04	6.05	100.64	GA	almandine
7501 7009	63 45	95 25	15	7070667	380820	14	25	0.92	0.00	20.43	26.38	38.84	0.37	6.73	0.01	6.09	99.76	GA	almandine
7501 7009	63 45	95 25	15	7070667	380820	14	26	0.60	0.00	20.91	26.37	39.27	0.14	8.94	0.11	4.14	100.47	GA	almandine
7501 7205	63 41	95 20	15	7064182	384303	14	27	0.12	0.37	0.72	3.47	54.50	0.17	22.48	0.54	17.22	99.58	CP	Cr-diopside
7501 7303	63 40	95 19	15	7060953	385084	14	30	0.12	0.56	1.91	3.46	53.40	0.25	21.16	0.87	18.87	100.59	CP	Cr-diopside
7501 7303	63 40	95 19	15	7060953	385084	14	28	2.42	0.01	12.78	12.81	37.51	0.67	33.28	0.07	0.00	99.55	GA	grossular
7501 7303	63 40	95 19	15	7060953	385084	14	29	0.36	0.00	22.56	22.76	39.91	0.23	7.13	0.09	8.13	101.18	GA	almandine
7501 7306	63 42	95 19	15	7065184	385440	14	31	2.07	0.01	20.48	27.73	38.27	0.16	11.17	0.05	0.95	100.90	GA	almandine
7501 7306	63 42	95 19	15	7065184	385440	14	32	0.79	0.00	20.81	27.17	38.81	0.34	5.74	0.18	5.83	99.65	GA	almandine
7501 7512	63 47	95 15	15	7075426	389334	14	34	0.15	0.41	1.84	3.90	54.07	0.32	22.18	1.14	17.01	101.03	CP	Cr-diopside
7501 7512	63 47	95 15	15	7075426	389334	14	33	0.18	0.00	21.98	21.84	39.19	0.24	10.33	0.00	6.55	100.32	GA	almandine
7501 7514	63 49	95 15	15	7078146	389137	14	35	0.18	0.33	0.75	3.62	54.13	0.28	22.85	0.21	16.58	98.91	CP	diopside
7501 7717	63 52	95 11	15	7083509	392728	14	38	0.19	0.30	0.64	2.92	54.28	0.21	22.69	0.35	17.50	99.07	CP	diopside
7501 7717	63 52	95 11	15	7083509	392728	14	36	4.09	0.00	20.29	25.58	37.28	0.20	10.97	0.06	0.73	99.20	GA	almandine
7501 7717	63 52	95 11	15	7083509	392728	14	37	0.54	0.00	20.77	25.35	38.61	0.26	5.61	0.12	7.27	98.53	GA	almandine
7501 7718	63 52	95 11	15	7084658	392930	14	41	0.12	0.45	1.52	3.93	53.84	0.26	20.80	0.90	18.17	99.99	CP	Cr-diopside
7501 7718	63 52	95 11	15	7084658	392930	14	39	2.20	0.03	21.24	25.78	38.55	0.24	12.24	0.05	1.08	101.41	GA	almandine
7501 7718	63 52	95 11	15	7084658	392930	14	40	1.37	0.00	18.72	4.26	38.70	0.62	35.37	0.03	0.10	99.17	GA	grossular

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 7809	63 45	95 09	15	7070240	393550	14	42	0.37	0.07	22.64	23.11	38.45	0.34	10.61	0.06	5.33	100.97	GA	almandine
7501 7814	63 49	95 09	15	7077774	394366	14	43	0.15	0.38	1.45	4.33	53.59	0.30	21.75	0.41	16.71	99.07	CP	diopside
7501 7817	63 51	95 09	15	7082735	394074	14	44	0.14	0.00	54.26	13.69	27.66	0.53	0.05	0.08	1.71	98.11	GA	staurolite
7501 7818	63 52	95 09	15	7084300	394700	14	46	0.13	0.57	0.86	3.36	54.73	0.13	21.91	0.20	17.29	99.19	CP	diopside
7501 7818	63 52	95 09	15	7084300	394700	14	47	0.03	0.25	0.75	3.61	54.73	0.21	21.50	0.16	18.88	100.13	CP	diopside
7501 7818	63 52	95 09	15	7084300	394700	14	45	2.99	0.00	20.84	24.49	37.48	0.25	12.62	0.05	0.74	99.46	GA	almandine
7501 7819	63 53	95 09	15	7085938	394605	14	48	0.11	0.46	0.75	3.05	54.25	0.22	22.97	0.66	17.83	100.30	CP	Cr-diopside
7501 8014	63 49	95 06	15	7077827	396917	14	49	0.16	0.55	0.99	4.33	55.58	0.08	20.38	0.56	18.10	100.72	CP	Cr-diopside
7501 8108	63 44	95 04	15	7068336	398224	14	50	0.48	0.05	21.39	24.04	39.01	0.23	6.30	0.14	8.17	99.83	GA	almandine
7501 8117	63 51	95 03	15	7082470	398863	14	51	0.86	0.00	21.23	26.88	39.30	0.38	5.66	0.13	6.12	100.56	GA	almandine
7501 8207	63 43	95 01	15	7066684	400020	14	52	0.96	0.00	22.24	24.43	37.92	0.39	6.75	0.06	7.49	100.26	GA	almandine
7501 8207	63 43	95 01	15	7066684	400020	14	53	0.75	0.00	20.79	24.61	38.93	0.19	7.50	0.06	6.32	99.16	GA	almandine
7501 8207	63 43	95 01	15	7066684	400020	14	54	0.36	0.00	22.14	22.48	39.47	0.21	6.21	0.08	8.81	99.75	GA	almandine
7501 8210	63 46	95 01	15	7071560	400374	14	55	7.97	0.00	21.17	21.88	37.67	0.33	11.67	0.07	0.51	101.26	GA	almandine
7501 8210	63 46	95 01	15	7071560	400374	14	56	1.05	0.02	21.46	27.05	38.39	0.20	5.88	0.18	6.82	101.04	GA	almandine
7501 8215	63 50	95 01	15	7079724	400498	14	57	26.30	0.00	19.77	15.30	36.71	0.16	0.57	0.04	0.58	99.42	GA	spessartine
7501 8215	63 50	95 01	15	7079724	400498	14	58	0.30	0.00	22.08	24.35	40.13	0.15	4.25	0.16	9.54	100.96	GA	almandine
7501 8215	63 50	95 01	15	7079724	400498	14	59	0.38	0.00	19.56	5.92	38.35	0.38	34.02	0.09	0.00	98.69	GA	grossular
7501 8219	63 53	95 02	15	7086279	400331	14	61	0.19	0.45	0.37	3.87	54.89	0.17	23.21	0.07	16.61	99.84	CP	diopside
7501 8219	63 53	95 02	15	7086279	400331	14	60	0.37	0.00	21.87	20.50	40.29	0.23	7.18	0.05	10.74	101.22	GA	almandine
7501 8308	63 44	94 60	15	7068357	401385	14	62	0.69	0.00	20.63	26.22	38.94	0.36	6.54	0.01	6.14	99.52	GA	almandine
7501 8315	63 50	94 60	15	7079531	401940	14	63	0.07	0.38	1.03	3.13	53.20	0.22	23.83	0.80	16.06	98.71	CP	Cr-diopside
7501 8418	63 52	94 57	15	7084183	403835	14	64	2.68	0.00	21.30	27.01	38.14	0.22	10.35	0.04	1.08	100.82	GA	almandine
7501 8418	63 52	94 57	15	7084183	403835	14	65	0.26	0.00	22.68	20.46	39.70	0.13	3.98	0.04	12.11	99.36	GA	almandine
7501 8418	63 52	94 57	15	7084183	403835	14	66	2.44	0.00	19.95	26.01	38.17	0.20	12.33	0.04	0.81	99.95	GA	almandine
7501 8418	63 52	94 57	15	7084183	403835	14	67	0.50	0.00	22.79	24.29	40.14	0.18	1.75	0.12	10.87	100.64	GA	almandine
7501 8418	63 52	94 57	15	7084183	403835	14	68	0.45	0.00	22.53	24.85	38.43	0.29	4.20	0.18	8.87	99.79	GA	almandine
7501 8419	63 54	94 58	15	7086256	403820	14	69	0.87	0.00	21.48	24.52	38.19	0.17	6.49	0.11	6.90	98.75	GA	almandine
7501 8419	63 54	94 58	15	7086256	403820	14	70	0.70	0.00	20.96	25.31	38.20	0.26	5.85	0.14	7.51	98.94	GA	almandine
7501 8507	63 43	94 55	15	7066821	405034	14	71	0.60	0.07	22.57	22.28	38.09	0.45	6.46	0.05	8.66	99.22	GA	almandine
7501 8510	63 46	94 56	15	7071407	404722	14	72	0.45	0.00	22.58	24.59	39.21	0.23	6.23	0.05	7.73	101.08	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 8516	63 51	94 56	15	7080966	405101	14	78	0.10	0.21	0.80	2.65	54.54	0.20	22.63	0.67	16.99	98.80	CP	Cr-diopside
7501 8516	63 51	94 56	15	7080966	405101	14	73	0.33	0.09	22.57	18.32	40.82	0.23	7.27	0.03	11.43	101.09	GA	almandine
7501 8516	63 51	94 56	15	7080966	405101	14	74	0.54	0.00	22.33	19.63	39.50	0.17	8.96	0.08	9.88	101.08	GA	almandine
7501 8516	63 51	94 56	15	7080966	405101	14	75	0.70	0.00	22.03	26.75	38.20	0.31	5.86	0.06	6.86	100.78	GA	almandine
7501 8516	63 51	94 56	15	7080966	405101	14	76	0.24	0.00	21.63	24.07	39.94	0.28	6.25	0.10	7.80	100.32	GA	almandine
7501 8516	63 51	94 56	15	7080966	405101	14	77	0.44	0.00	22.09	21.38	38.97	0.34	8.17	0.05	8.34	99.79	GA	almandine
7501 8518	63 52	94 56	15	7084181	405288	14	79	0.38	0.00	21.66	23.93	39.83	0.27	5.90	0.11	8.73	100.80	GA	almandine
7501 8518	63 52	94 56	15	7084181	405288	14	80	0.56	0.00	21.30	21.99	38.73	0.29	9.32	0.11	6.96	99.27	GA	almandine
7501 8518	63 52	94 56	15	7084181	405288	14	81	2.00	0.00	20.47	26.66	38.45	0.09	10.98	0.03	1.34	100.03	GA	almandine
7501 8518	63 52	94 56	15	7084181	405288	14	82	0.49	0.00	21.91	24.48	39.38	0.26	7.05	0.14	6.82	100.54	GA	almandine
7501 8518	63 52	94 56	15	7084181	405288	14	83	21.33	0.02	21.26	18.79	38.17	0.17	0.95	0.05	0.35	101.10	GA	spessartine
7501 8518	63 52	94 56	15	7084181	405288	14	84	0.37	0.00	20.49	21.22	40.71	0.25	10.49	0.09	5.71	99.33	GA	almandine
7501 8518	63 52	94 56	15	7084181	405288	14	85	3.26	0.00	20.78	25.27	39.08	0.16	11.55	0.10	1.11	101.31	GA	almandine
7501 8518	63 52	94 56	15	7084181	405288	14	86	4.10	0.00	20.00	22.76	39.53	0.25	13.01	0.02	0.75	100.43	GA	almandine
7501 8518	63 52	94 56	15	7084181	405288	14	87	3.57	0.00	19.60	24.48	38.27	0.30	12.75	0.07	0.79	99.84	GA	almandine
7501 8618	63 52	94 53	15	7084200	407200	14	88	0.71	0.00	21.73	24.06	40.03	0.14	4.10	0.07	9.77	100.60	GA	almandine
7501 8618	63 52	94 53	15	7084200	407200	14	89	0.44	0.00	20.27	20.47	41.11	0.20	7.76	0.15	8.89	99.29	GA	almandine
7501 8708	63 44	94 52	15	7068255	408093	14	90	0.20	0.00	55.26	13.24	27.69	0.44	0.03	0.02	2.11	98.99	GA	staurolite
7501 8709	63 45	94 52	15	7069957	407982	14	91	0.90	0.00	21.11	27.09	39.42	0.32	6.56	0.10	5.02	100.53	GA	almandine
7501 8709	63 45	94 52	15	7069957	407982	14	92	1.94	0.00	20.52	24.99	37.80	0.13	12.08	0.08	1.02	98.56	GA	almandine
7501 8709	63 45	94 52	15	7069957	407982	14	93	0.91	0.00	21.48	24.55	39.72	0.21	6.97	0.10	7.17	101.10	GA	almandine
7501 8712	63 47	94 52	15	7074599	408055	14	95	0.16	0.64	0.93	2.64	54.81	0.11	22.22	0.67	17.07	99.24	CP	Cr-diopside
7501 8712	63 47	94 52	15	7074599	408055	14	96	0.08	0.48	0.69	3.84	54.30	0.22	22.34	0.24	16.92	99.11	CP	diopside
7501 8712	63 47	94 52	15	7074599	408055	14	97	0.17	0.40	1.09	3.92	53.65	0.23	21.86	0.21	17.28	98.80	CP	diopside
7501 8712	63 47	94 52	15	7074599	408055	14	98	0.06	0.84	0.97	3.54	53.64	0.26	22.81	0.43	17.10	99.66	CP	diopside
7501 8712	63 47	94 52	15	7074599	408055	14	94	0.64	0.11	21.38	25.76	39.17	0.29	6.93	0.10	5.66	100.03	GA	almandine
7501 8714	63 49	94 52	15	7078023	408381	14	100	0.06	0.35	0.84	2.92	54.55	0.21	22.01	0.85	17.36	99.15	CP	Cr-diopside
7501 8714	63 49	94 52	15	7078023	408381	14	99	0.54	0.00	21.86	24.65	40.05	0.33	5.79	0.05	8.07	101.34	GA	almandine
7501 8716	63 51	94 51	15	7080900	408824	15	1	0.66	0.00	21.99	24.20	38.93	0.20	6.12	0.10	7.10	99.31	GA	almandine
7501 8716	63 51	94 51	15	7080900	408824	15	2	4.43	0.00	20.63	23.16	38.13	0.10	13.54	0.15	0.77	100.90	GA	almandine
7501 8716	63 51	94 51	15	7080900	408824	15	3	3.07	0.08	21.38	26.27	37.09	0.24	11.83	0.04	0.76	100.75	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 8716	63 51	94 51	15	7080900	408824	15	4	0.75	0.00	20.95	24.23	39.54	0.38	6.39	0.08	7.61	99.92	GA	almandine
7501 8718	63 52	94 52	15	7083874	408494	15	5	3.22	0.01	20.86	25.96	36.73	0.22	11.43	0.04	1.11	99.57	GA	almandine
7501 8718	63 52	94 52	15	7083874	408494	15	6	2.47	0.00	22.16	22.96	39.68	0.28	6.01	0.17	7.10	100.82	GA	almandine
7501 8718	63 52	94 52	15	7083874	408494	15	7	0.73	0.00	21.48	23.42	38.37	0.20	6.75	0.11	7.55	98.61	GA	almandine
7501 8719	63 53	94 51	15	7085602	408843	15	8	0.61	0.00	22.90	23.96	38.89	0.27	5.07	0.12	9.24	101.05	GA	almandine
7501 8719	63 53	94 51	15	7085602	408843	15	9	0.43	0.00	22.87	24.66	39.37	0.31	5.40	0.12	7.09	100.25	GA	almandine
7501 8719	63 53	94 51	15	7085602	408843	15	10	4.56	0.00	21.32	22.76	37.42	0.20	13.22	0.07	0.64	100.19	GA	almandine
7501 8719	63 53	94 51	15	7085602	408843	15	11	0.56	0.02	22.77	24.15	39.09	0.26	4.79	0.07	9.69	101.40	GA	almandine
7501 8812	63 47	94 50	15	7074661	409740	15	12	1.17	0.02	21.19	26.41	37.19	0.14	12.13	0.06	1.10	99.41	GA	almandine
7501 8814	63 49	94 50	15	7077581	409720	15	13	0.68	0.00	22.52	24.61	39.07	0.27	7.20	0.14	6.59	101.07	GA	almandine
7501 8815	63 50	94 50	15	7078854	409623	15	14	3.04	0.02	21.41	24.14	37.79	0.25	13.41	0.02	0.52	100.61	GA	almandine
7501 8818	63 52	94 49	15	7084125	410572	15	15	0.53	0.00	22.11	24.45	37.68	0.30	6.16	0.20	7.39	98.83	GA	almandine
7501 8908	63 44	94 48	15	7068047	410770	15	20	0.10	0.41	1.14	3.33	53.45	0.20	21.38	0.99	18.02	99.00	CP	Cr-diopside
7501 8908	63 44	94 48	15	7068047	410770	15	16	1.50	0.00	21.83	29.67	37.22	0.08	4.71	0.08	4.53	99.61	GA	almandine
7501 8908	63 44	94 48	15	7068047	410770	15	17	0.82	0.01	21.04	26.50	36.98	0.12	12.09	0.12	1.40	99.08	GA	almandine
7501 8908	63 44	94 48	15	7068047	410770	15	18	23.08	0.00	21.09	16.95	36.98	0.27	0.50	0.06	1.44	100.37	GA	spessartine
7501 8908	63 44	94 48	15	7068047	410770	15	19	2.51	0.00	21.74	25.18	36.69	0.17	12.48	0.10	1.10	99.96	GA	almandine
7501 8909	63 45	94 48	15	7069749	411346	15	28	0.08	0.33	0.67	3.26	52.78	0.23	23.23	0.16	17.56	98.29	CP	diopside
7501 8909	63 45	94 48	15	7069749	411346	15	21	0.86	0.00	22.79	26.52	39.14	0.26	4.12	0.07	7.25	101.01	GA	almandine
7501 8909	63 45	94 48	15	7069749	411346	15	22	0.38	0.08	22.46	24.17	38.42	0.24	3.85	0.17	9.96	99.73	GA	almandine
7501 8909	63 45	94 48	15	7069749	411346	15	23	2.26	0.00	22.63	27.85	37.55	0.14	1.66	0.04	7.83	99.94	GA	almandine
7501 8909	63 45	94 48	15	7069749	411346	15	24	0.76	0.04	22.03	24.03	39.55	0.30	6.25	0.10	7.59	100.64	GA	almandine
7501 8909	63 45	94 48	15	7069749	411346	15	25	0.42	0.00	22.43	24.48	39.19	0.21	5.58	0.05	7.67	100.02	GA	almandine
7501 8909	63 45	94 48	15	7069749	411346	15	26	21.60	0.00	21.51	19.07	36.40	0.18	0.68	0.05	0.48	99.97	GA	spessartine
7501 8909	63 45	94 48	15	7069749	411346	15	27	0.84	0.02	21.94	25.89	38.81	0.33	5.76	0.11	6.29	99.98	GA	almandine
7501 8913	63 48	94 48	15	7075986	411404	15	31	0.16	0.34	1.13	3.96	53.76	0.25	20.57	0.91	16.77	97.84	CP	Cr-diopside
7501 8913	63 48	94 48	15	7075986	411404	15	29	0.86	0.02	22.89	23.33	38.32	0.25	6.30	0.18	8.78	100.92	GA	almandine
7501 8913	63 48	94 48	15	7075986	411404	15	30	0.71	0.00	22.57	24.72	39.24	0.20	3.44	0.15	9.67	100.69	GA	almandine
7501 8915	63 50	94 48	15	7079107	411204	15	32	0.22	0.12	0.30	85.85	0.67	0.26	0.10	0.05	0.00	87.55	IL	hematite
7501 8915	63 50	94 48	15	7079107	411204	15	33	0.10	0.15	0.30	90.36	0.00	0.11	0.06	0.17	0.00	91.25	IL	magnetite
7501 8917	63 52	94 48	15	7082488	411750	15	47	0.20	0.56	1.85	4.34	51.55	0.26	19.76	0.70	17.08	96.31	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 8917	63 52	94 48	15	7082488	411750	15	34	0.59	0.00	22.79	21.49	39.43	0.22	5.71	0.04	9.72	99.97	GA	almandine
7501 8917	63 52	94 48	15	7082488	411750	15	35	0.60	0.00	22.65	21.27	38.24	0.12	9.73	0.04	7.47	100.11	GA	almandine
7501 8917	63 52	94 48	15	7082488	411750	15	36	0.55	0.06	21.70	21.28	39.18	0.13	9.58	0.07	7.00	99.55	GA	almandine
7501 8917	63 52	94 48	15	7082488	411750	15	37	0.40	0.02	20.44	28.65	37.79	0.18	8.03	0.06	3.77	99.35	GA	almandine
7501 8917	63 52	94 48	15	7082488	411750	15	38	0.79	0.04	22.66	24.11	38.91	0.33	5.34	0.21	8.46	100.86	GA	almandine
7501 8917	63 52	94 48	15	7082488	411750	15	39	0.52	0.00	22.95	24.56	39.50	0.25	3.99	0.15	9.34	101.27	GA	almandine
7501 8917	63 52	94 48	15	7082488	411750	15	40	0.82	0.00	22.79	24.06	38.98	0.26	4.22	0.07	9.56	100.76	GA	almandine
7501 8917	63 52	94 48	15	7082488	411750	15	41	0.42	0.01	22.45	28.40	38.29	0.21	4.45	0.09	6.63	100.96	GA	almandine
7501 8917	63 52	94 48	15	7082488	411750	15	42	2.39	0.00	20.46	25.63	36.92	0.18	12.58	0.08	0.52	98.76	GA	almandine
7501 8917	63 52	94 48	15	7082488	411750	15	43	0.66	0.00	21.31	24.98	38.05	0.41	7.13	0.17	6.32	99.04	GA	almandine
7501 8917	63 52	94 48	15	7082488	411750	15	44	0.46	0.04	22.53	20.55	39.22	0.31	5.95	0.10	11.31	100.46	GA	almandine
7501 8917	63 52	94 48	15	7082488	411750	15	45	0.53	0.06	22.04	21.89	38.04	0.34	8.52	0.02	7.34	98.78	GA	almandine
7501 8917	63 52	94 48	15	7082488	411750	15	46	0.30	0.00	0.25	86.62	0.00	0.10	0.02	0.14	0.00	87.42	IL	hematite
7501 8918	63 52	94 47	15	7083799	412363	15	48	0.53	0.00	22.95	23.12	38.53	0.21	7.38	0.06	7.84	100.63	GA	almandine
7501 8918	63 52	94 47	15	7083799	412363	15	49	1.39	0.00	21.02	28.32	37.99	0.20	6.65	0.04	3.33	98.95	GA	almandine
7501 8918	63 52	94 47	15	7083799	412363	15	50	0.19	0.00	0.20	89.54	0.00	0.13	0.05	0.02	0.00	90.14	IL	hematite
7501 8919	63 53	94 47	15	7085486	412034	15	64	0.19	0.47	1.77	5.48	54.10	0.46	16.18	0.55	21.22	100.41	CP	Cr-diopside
7501 8919	63 53	94 47	15	7085486	412034	15	51	0.75	0.00	21.46	25.73	38.91	0.21	5.05	0.07	8.05	100.22	GA	almandine
7501 8919	63 53	94 47	15	7085486	412034	15	52	2.20	0.00	20.44	25.49	37.45	0.27	12.24	0.00	1.05	99.15	GA	almandine
7501 8919	63 53	94 47	15	7085486	412034	15	53	0.34	0.00	22.11	22.52	39.12	0.25	8.43	0.06	7.36	100.19	GA	almandine
7501 8919	63 53	94 47	15	7085486	412034	15	54	0.40	0.00	22.24	22.55	38.66	0.35	6.00	0.16	8.75	99.11	GA	almandine
7501 8919	63 53	94 47	15	7085486	412034	15	55	0.45	0.00	22.56	23.39	39.17	0.20	3.66	0.16	11.10	100.68	GA	almandine
7501 8919	63 53	94 47	15	7085486	412034	15	56	1.88	0.00	21.05	25.54	38.21	0.15	12.69	0.07	0.94	100.52	GA	almandine
7501 8919	63 53	94 47	15	7085486	412034	15	57	0.30	0.19	21.80	24.44	39.08	0.17	8.19	0.08	5.70	99.94	GA	almandine
7501 8919	63 53	94 47	15	7085486	412034	15	58	0.38	0.00	21.90	22.91	39.82	0.20	7.04	0.09	8.51	100.86	GA	almandine
7501 8919	63 53	94 47	15	7085486	412034	15	59	0.71	0.00	21.73	30.17	38.83	0.28	6.54	0.06	3.09	101.41	GA	almandine
7501 8919	63 53	94 47	15	7085486	412034	15	60	1.36	0.00	21.42	26.21	37.59	0.16	13.82	0.09	0.71	101.36	GA	almandine
7501 8919	63 53	94 47	15	7085486	412034	15	61	0.22	0.00	0.18	91.48	0.00	0.06	0.03	0.18	0.00	92.15	IL	magnetite
7501 8919	63 53	94 47	15	7085486	412034	15	62	0.18	0.12	0.04	92.01	0.00	0.01	0.03	0.06	0.00	92.45	IL	magnetite
7501 8919	63 53	94 47	15	7085486	412034	15	63	0.28	0.12	0.06	91.54	0.00	0.03	0.06	0.11	0.00	92.19	IL	magnetite
7501 9008	63 44	94 46	15	7068071	412912	15	68	0.22	0.65	2.08	3.71	53.08	0.19	20.45	1.07	17.58	99.03	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 9008	63 44	94 46	15	7068071	412912	15	69	0.14	0.38	1.71	4.11	52.65	0.19	20.70	0.82	17.69	98.39	CP	Cr-diopside
7501 9008	63 44	94 46	15	7068071	412912	15	70	0.23	0.61	1.26	4.38	53.77	0.28	21.93	0.46	17.47	100.40	CP	diopside
7501 9008	63 44	94 46	15	7068071	412912	15	71	0.23	0.47	0.37	3.92	53.18	0.20	23.79	0.11	16.87	99.14	CP	diopside
7501 9008	63 44	94 46	15	7068071	412912	15	65	0.65	0.00	22.50	27.21	38.32	0.31	4.71	0.09	6.99	100.77	GA	almandine
7501 9008	63 44	94 46	15	7068071	412912	15	66	0.80	0.00	22.75	22.97	39.92	0.27	4.70	0.09	9.34	100.85	GA	almandine
7501 9008	63 44	94 46	15	7068071	412912	15	67	3.91	0.00	20.39	24.60	37.61	0.20	12.99	0.09	0.88	100.66	GA	almandine
7501 9009	63 45	94 46	15	7069596	412994	15	74	0.19	0.22	1.28	3.99	52.38	0.29	22.01	0.24	16.96	97.55	CP	diopside
7501 9009	63 45	94 46	15	7069596	412994	15	72	0.55	0.00	21.79	21.81	39.49	0.36	8.84	0.02	7.95	100.82	GA	almandine
7501 9009	63 45	94 46	15	7069596	412994	15	73	0.29	0.01	22.99	18.36	38.74	0.31	9.26	0.19	10.23	100.37	GA	almandine
7501 9012	63 47	94 46	15	7074550	412843	15	75	1.18	0.00	21.14	25.52	38.47	0.25	8.68	0.12	5.17	100.52	GA	almandine
7501 9012	63 47	94 46	15	7074550	412843	15	76	0.56	0.13	21.41	26.46	39.07	0.27	4.79	0.08	7.23	100.02	GA	almandine
7501 9014	63 49	94 45	15	7077683	413611	15	82	0.15	0.41	0.39	4.12	54.36	0.31	23.28	0.32	16.27	99.60	CP	diopside
7501 9014	63 49	94 45	15	7077683	413611	15	77	0.95	0.00	21.29	28.08	38.00	0.29	6.01	0.07	4.96	99.65	GA	almandine
7501 9014	63 49	94 45	15	7077683	413611	15	78	0.59	0.00	21.48	27.29	38.87	0.39	5.57	0.13	6.74	101.07	GA	almandine
7501 9014	63 49	94 45	15	7077683	413611	15	79	0.79	0.10	22.11	27.20	38.48	0.19	5.94	0.18	6.21	101.20	GA	almandine
7501 9014	63 49	94 45	15	7077683	413611	15	80	0.43	0.00	22.59	25.80	38.27	0.21	6.81	0.02	5.87	99.99	GA	almandine
7501 9014	63 49	94 45	15	7077683	413611	15	81	23.71	0.00	21.92	17.29	36.43	0.17	1.12	0.08	0.50	101.21	GA	spessartine
7501 9015	63 50	94 45	15	7079309	413597	15	83	3.88	0.00	20.83	24.04	36.83	0.16	12.19	0.08	0.75	98.77	GA	almandine
7501 9015	63 50	94 45	15	7079309	413597	15	84	0.34	0.00	22.31	22.30	39.11	0.26	8.26	0.07	8.37	101.01	GA	almandine
7501 9016	63 51	94 46	15	7080746	413179	15	85	0.46	0.00	21.95	24.06	37.85	0.28	6.32	0.13	7.77	98.81	GA	almandine
7501 9016	63 51	94 46	15	7080746	413179	15	86	0.32	0.04	23.09	16.93	38.78	0.22	9.36	0.04	10.16	98.92	GA	almandine
7501 9016	63 51	94 46	15	7080746	413179	15	87	0.42	0.00	23.17	18.65	39.90	0.24	8.66	0.13	9.51	100.68	GA	almandine
7501 9016	63 51	94 46	15	7080746	413179	15	88	0.44	0.15	21.75	24.82	38.29	0.28	8.95	0.07	4.53	99.28	GA	almandine
7501 9016	63 51	94 46	15	7080746	413179	15	89	0.57	0.00	22.07	26.86	37.60	0.26	4.90	0.07	7.76	100.09	GA	almandine
7501 9016	63 51	94 46	15	7080746	413179	15	90	1.91	0.04	20.78	26.29	37.20	0.30	11.70	0.00	0.81	99.03	GA	almandine
7501 9016	63 51	94 46	15	7080746	413179	15	91	9.94	0.00	21.51	15.77	36.95	0.35	14.86	0.08	0.29	99.75	GA	grossular
7501 9017	63 52	94 45	15	7082600	413600	15	99	0.14	0.62	1.71	4.07	53.51	0.11	23.37	0.62	15.85	100.00	CP	Cr-diopside
7501 9017	63 52	94 45	15	7082600	413600	15	92	0.60	0.00	23.14	19.64	39.15	0.18	6.18	0.08	10.78	99.76	GA	almandine
7501 9017	63 52	94 45	15	7082600	413600	15	93	0.53	0.02	21.71	22.09	38.55	0.28	7.41	0.04	8.36	98.99	GA	almandine
7501 9017	63 52	94 45	15	7082600	413600	15	94	0.38	0.00	22.71	22.76	38.70	0.19	6.79	0.08	8.67	100.28	GA	almandine
7501 9017	63 52	94 45	15	7082600	413600	15	95	0.61	0.00	22.49	26.94	38.46	0.29	7.39	0.07	5.20	101.45	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
7501 9017	63 52	94 45	15	7082600	413600	15	96	0.41	0.00	22.13	23.12	38.53	0.18	9.73	0.06	6.30	100.45	GA	almandine
7501 9017	63 52	94 45	15	7082600	413600	15	97	0.92	0.00	22.87	24.55	39.17	0.36	5.94	0.17	6.88	100.87	GA	almandine
7501 9017	63 52	94 45	15	7082600	413600	15	98	0.51	0.00	23.38	24.08	37.77	0.29	5.78	0.16	8.70	100.67	GA	almandine
7501 9019	63 53	94 46	15	7085305	413617	16	1	0.41	0.00	22.09	25.16	39.09	0.30	4.65	0.13	8.22	100.05	GA	almandine
7501 9019	63 53	94 46	15	7085305	413617	16	2	0.43	0.00	21.20	20.45	39.84	0.26	9.63	0.02	8.20	100.04	GA	almandine
7501 9019	63 53	94 46	15	7085305	413617	16	3	0.64	0.00	20.79	25.77	38.59	0.23	6.78	0.18	6.44	99.41	GA	almandine
7501 9019	63 53	94 46	15	7085305	413617	16	4	0.37	0.07	21.38	23.21	40.29	0.39	6.21	0.20	8.92	101.04	GA	almandine
7501 9019	63 53	94 46	15	7085305	413617	16	5	0.19	0.00	0.22	90.29	0.29	0.18	0.07	0.08	0.00	91.33	SP	magnetite
7501 9117	63 52	94 44	15	7082501	415032	16	10	0.10	0.61	2.83	3.19	53.51	0.15	23.08	0.65	15.67	99.80	CP	Cr-diopside
7501 9117	63 52	94 44	15	7082501	415032	16	6	0.67	0.03	22.19	24.17	40.13	0.34	4.84	0.12	8.64	101.13	GA	almandine
7501 9117	63 52	94 44	15	7082501	415032	16	7	0.34	0.05	21.72	23.59	40.53	0.32	5.61	0.09	8.98	101.22	GA	almandine
7501 9117	63 52	94 44	15	7082501	415032	16	8	0.64	0.00	20.83	28.81	39.41	0.24	5.28	0.02	5.09	100.33	GA	almandine
7501 9117	63 52	94 44	15	7082501	415032	16	9	0.54	0.05	20.55	26.92	39.15	0.36	6.60	0.13	5.99	100.31	GA	almandine
7501 9119	63 53	94 44	15	7085628	415189	16	11	0.48	0.00	21.42	26.46	37.78	0.25	7.03	0.05	5.19	98.65	GA	almandine
7501 9119	63 53	94 44	15	7085628	415189	16	12	0.68	0.01	22.06	21.91	39.18	0.42	6.24	0.11	9.87	100.47	GA	almandine
7501 9119	63 53	94 44	15	7085628	415189	16	13	0.48	0.03	22.58	22.97	39.38	0.21	3.52	0.04	10.35	99.55	GA	almandine
7501 9119	63 53	94 44	15	7085628	415189	16	14	0.58	0.00	21.08	24.96	39.38	0.25	4.74	0.03	8.57	99.61	GA	almandine
7501 9119	63 53	94 44	15	7085628	415189	16	15	0.44	0.00	21.44	21.22	39.78	0.26	8.63	0.02	7.41	99.20	GA	almandine
7501 9119	63 53	94 44	15	7085628	415189	16	16	0.68	0.00	21.81	24.90	38.16	0.33	4.94	0.17	7.77	98.77	GA	almandine
7501 9119	63 53	94 44	15	7085628	415189	16	17	3.42	0.00	20.74	23.23	38.57	0.16	14.37	0.08	0.39	100.95	GA	almandine
76PL 1500	63 37	97 12	14	7054988	589322	16	18	0.22	0.00	21.26	22.42	39.70	0.17	11.34	0.10	5.33	100.54	GA	almandine
76PL 1503	63 39	97 12	14	7059513	589329	16	19	0.26	0.00	12.16	9.66	0.14	0.31	0.07	61.14	17.55	101.28	SP	chromite ¹
76PL 1505	63 41	97 12	14	7063300	589000	16	20	4.04	0.00	21.83	24.38	38.22	0.22	10.36	0.07	2.07	101.18	GA	almandine
76PL 1505	63 41	97 12	14	7063300	589000	16	21	0.41	0.00	21.34	23.88	39.41	0.07	9.09	0.04	6.33	100.58	GA	almandine
76PL 1505	63 41	97 12	14	7063300	589000	16	22	0.36	0.01	21.81	24.23	39.17	0.18	9.32	0.02	6.25	101.35	GA	almandine
76PL 1505	63 41	97 12	14	7063300	589000	16	23	0.48	0.00	20.95	26.06	38.64	0.22	9.44	0.06	3.46	99.30	GA	almandine
76PL 1505	63 41	97 12	14	7063300	589000	16	24	0.56	0.00	21.50	20.99	39.68	0.25	10.81	0.05	7.33	101.18	GA	almandine
76PL 1505	63 41	97 12	14	7063300	589000	16	26	0.82	0.61	1.62	68.45	0.06	21.41	0.10	0.08	0.00	93.15	SP	FeTi-oxide
76PL 1505	63 41	97 12	14	7063300	589000	16	27	0.31	0.00	0.60	81.64	0.79	7.07	0.13	0.55	0.00	91.10	SP	FeTi-oxide
76PL 1506	63 42	97 12	14	7064361	588758	16	29	0.40	0.00	3.32	73.75	5.01	8.82	0.12	0.06	0.00	91.48	SP	FeTi-oxide

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 1507	63 43	97 14	14	7066243	587647	16	30	0.15	0.28	0.59	3.06	53.72	0.20	22.51	0.21	18.42	99.12	CP	diopside
76PL 1508	63 44	97 13	14	7068359	587665	16	31	0.15	0.21	0.57	4.71	54.35	0.20	21.46	0.11	17.78	99.55	CP	diopside
76PL 1511	63 46	97 12	14	7072777	588628	16	32	0.78	0.05	20.77	23.03	38.78	0.27	9.95	0.07	5.43	99.13	GA	almandine
76PL 1511	63 46	97 12	14	7072777	588628	16	33	1.09	0.03	22.58	21.23	39.27	0.14	10.30	0.02	6.07	100.73	GA	almandine
76PL 1516	63 51	97 12	14	7080852	588186	16	35	0.16	0.18	1.55	3.98	54.52	0.25	23.02	0.26	16.47	100.40	CP	diopside
76PL 1516	63 51	97 12	14	7080852	588186	16	36	0.07	0.00	22.09	13.91	38.15	0.43	22.90	0.00	0.17	97.72	CP	grossular
76PL 1516	63 51	97 12	14	7080852	588186	16	34	1.93	0.00	21.04	20.99	38.92	0.29	16.07	0.10	1.28	100.61	GA	almandine
76PL 1517	63 52	97 12	14	7082650	588260	16	37	16.70	0.00	21.47	23.06	36.74	0.21	0.77	0.06	0.59	99.58	GA	almandine
76PL 1521	63 55	97 13	14	7089092	587792	16	38	0.15	0.37	0.76	2.94	54.85	0.17	22.21	0.18	17.80	99.42	CP	diopside
76PL 1552	63 34	97 12	14	7050566	589784	16	40	0.02	0.28	1.37	2.57	53.09	0.31	23.39	1.00	17.41	99.44	CP	Cr-diopside
76PL 1552	63 34	97 12	14	7050566	589784	16	41	0.11	0.41	0.54	3.31	54.73	0.28	23.45	0.42	17.24	100.49	CP	diopside
76PL 1552	63 34	97 12	14	7050566	589784	16	42	0.10	0.73	0.26	2.67	56.33	0.22	23.57	0.16	16.77	100.82	CP	diopside
76PL 1552	63 34	97 12	14	7050566	589784	16	43	0.13	0.63	1.18	2.84	53.51	0.20	22.49	0.47	17.85	99.29	CP	diopside
76PL 1552	63 34	97 12	14	7050566	589784	16	39	0.21	0.00	21.88	22.18	38.22	0.18	11.08	0.00	6.27	100.02	GA	almandine
76PL 1601	63 38	97 10	14	7056484	590852	16	45	0.18	0.45	0.93	2.90	53.24	0.12	22.60	0.59	17.97	99.00	CP	Cr-diopside
76PL 1601	63 38	97 10	14	7056484	590852	16	46	1.28	0.01	63.15	0.95	34.40	0.04	0.02	0.00	0.32	100.16	CP	andalusite
76PL 1601	63 38	97 10	14	7056484	590852	16	44	1.93	0.11	21.80	21.75	37.46	0.30	12.45	0.10	3.19	99.08	GA	almandine
76PL 1603	63 40	97 10	14	7060069	591077	16	47	0.05	0.90	0.51	3.40	53.99	0.26	23.72	0.14	15.83	98.79	CP	diopside
76PL 1608	63 44	97 10	14	7068279	590327	16	49	0.13	0.63	0.86	4.03	53.82	0.37	23.07	0.25	15.89	99.05	CP	diopside
76PL 1608	63 44	97 10	14	7068279	590327	16	48	0.83	0.00	21.60	25.54	38.39	0.13	10.28	0.08	4.08	100.93	GA	almandine
76PL 1609	63 45	97 10	14	7069683	590458	16	50	0.35	0.00	20.88	23.74	39.23	0.19	9.74	0.06	6.09	100.29	GA	almandine
76PL 1611	63 46	97 10	14	7072714	590271	16	51	0.64	0.00	0.94	70.78	0.00	19.23	0.15	0.04	0.13	91.90	SP	FeTi-oxide
76PL 1619	63 53	97 11	14	7085667	589258	16	52	0.19	2.20	28.24	12.66	35.03	1.40	1.94	0.00	6.35	88.01	SP	tourmaline
76PL 1620	63 54	97 10	14	7087399	589587	16	53	2.22	0.09	21.08	23.17	39.73	0.17	10.59	0.07	4.32	101.44	GA	almandine
76PL 1620	63 54	97 10	14	7087399	589587	16	54	1.98	0.00	20.63	27.50	38.32	0.17	11.87	0.09	0.67	101.22	GA	almandine
76PL 1620	63 54	97 10	14	7087399	589587	16	55	0.17	0.07	0.07	92.70	0.00	0.04	0.09	0.80	0.00	93.94	IL	magnetite
76PL 1621	63 55	97 10	14	7088930	589653	16	56	19.44	0.00	19.62	20.77	35.94	0.20	1.30	0.06	1.29	98.62	GA	almandine
76PL 1625	63 59	97 11	14	7095512	589170	16	57	0.55	0.00	0.10	48.27	0.00	49.19	0.00	0.13	0.96	99.21	SP	ilmenite
76PL 1625	63 59	97 11	14	7095512	589170	16	58	0.54	0.00	0.13	47.37	0.00	49.40	0.04	0.08	1.50	99.05	SP	ilmenite
76PL 1625	63 59	97 11	14	7095512	589170	16	59	0.86	0.00	0.12	49.32	0.00	49.93	0.02	0.09	0.00	100.35	SP	ilmenite
76PL 1625	63 59	97 11	14	7095512	589170	16	60	0.70	0.08	0.03	49.17	0.00	49.57	0.02	0.10	0.68	100.35	SP	ilmenite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 1625	63 59	97 11	14	7095512	589170	16	61	0.50	0.00	0.00	49.07	0.00	49.88	0.05	0.04	0.56	100.10	SP	ilmenite
76PL 1705	63 41	97 08	14	7063300	592500	16	62	2.38	0.07	20.71	28.27	38.29	0.26	6.52	0.16	4.00	100.66	GA	almandine
76PL 1705	63 41	97 08	14	7063300	592500	16	63	0.37	0.00	21.30	22.77	39.07	0.22	10.79	0.09	6.28	100.89	GA	almandine
76PL 1705	63 41	97 08	14	7063300	592500	16	64	2.25	0.46	6.14	34.99	0.00	0.49	0.06	53.08	0.19	97.66	SP	chromite
76PL 1710	63 46	97 08	14	7071468	592123	16	65	1.19	0.00	20.64	24.03	38.07	0.31	9.95	0.03	4.30	98.52	GA	almandine
76PL 1716	63 51	97 09	14	7080983	591315	16	66	0.14	0.37	0.55	3.45	55.04	0.27	23.28	0.43	17.57	101.10	CP	diopside
76PL 1720	63 54	97 08	14	7087324	591345	16	67	0.05	0.30	1.07	4.34	53.73	0.29	22.47	0.47	16.92	99.61	CP	diopside
76PL 1721	63 55	97 08	14	7088784	591399	16	68	0.30	0.12	1.39	73.66	0.00	16.21	0.15	0.03	0.10	91.94	SP	FeTi-oxide
76PL 1726	63 59	97 09	14	7096091	590790	16	69	0.10	0.20	1.16	3.48	53.83	0.27	22.61	0.42	17.83	99.90	CP	diopside
76PL 1726	63 59	97 09	14	7096091	590790	16	70	0.09	0.18	1.00	3.35	54.42	0.23	21.18	0.30	17.54	98.28	CP	diopside
76PL 1726	63 59	97 09	14	7096091	590790	16	71	0.25	0.26	0.54	3.61	53.99	0.28	21.73	0.05	16.07	96.79	CP	diopside
76PL 1752	63 34	97 08	14	7050675	592723	16	72	0.33	0.00	7.43	8.05	54.48	0.65	25.76	3.96	0.02	100.69	CP	cpx??
76PL 1800	63 37	97 07	14	7055121	593787	16	73	0.12	0.55	1.09	2.99	54.29	0.22	22.70	0.27	17.58	99.81	CP	diopside
76PL 1801	63 38	97 06	14	7057261	594493	16	74	11.80	0.00	21.01	20.73	38.01	0.14	7.17	0.05	1.83	100.74	GA	almandine
76PL 1801	63 38	97 06	14	7057261	594493	16	75	0.18	0.00	0.55	74.77	0.41	17.13	0.14	0.02	0.10	93.30	SP	FeTi-oxide
76PL 1804	63 40	97 05	14	7061463	594670	16	76	0.10	0.40	0.90	3.40	53.11	0.27	22.51	0.49	17.24	98.42	CP	diopside
76PL 1806	63 42	97 06	14	7064955	593802	16	77	0.12	0.65	1.39	4.13	53.78	0.21	20.67	0.27	17.73	98.96	CP	diopside
76PL 1807	63 43	97 06	14	7066244	593540	16	78	0.66	0.00	0.73	78.31	0.25	11.85	0.10	0.10	0.07	92.06	SP	FeTi-oxide
76PL 1807	63 43	97 06	14	7066244	593540	16	79	0.15	0.00	0.33	84.40	0.36	4.26	0.06	0.05	0.00	89.61	SP	FeTi-oxide
76PL 1808	63 44	97 08	14	7067765	592524	16	80	0.18	0.11	0.38	3.57	54.87	0.28	21.47	0.20	17.12	98.18	CP	diopside
76PL 1809	63 45	97 06	14	7069800	593500	16	83	0.09	0.63	0.75	3.78	54.85	0.30	23.09	0.08	17.07	100.64	CP	diopside
76PL 1809	63 45	97 06	14	7069800	593500	16	84	0.21	0.31	0.80	3.58	55.50	0.21	22.56	0.29	17.64	101.10	CP	diopside
76PL 1809	63 45	97 06	14	7069800	593500	16	85	0.09	0.28	0.89	4.23	54.23	0.33	22.41	0.12	16.56	99.14	CP	diopside
76PL 1809	63 45	97 06	14	7069800	593500	16	86	0.05	0.57	1.12	4.41	53.58	0.20	22.30	0.06	17.37	99.66	CP	diopside
76PL 1809	63 45	97 06	14	7069800	593500	16	81	0.31	0.03	21.50	22.23	39.60	0.22	10.37	0.05	6.39	100.69	GA	almandine
76PL 1809	63 45	97 06	14	7069800	593500	16	82	0.65	0.00	21.06	23.09	39.03	0.21	10.60	0.04	4.82	99.50	GA	almandine
76PL 1817	63 52	97 07	14	7083463	592639	16	87	0.33	0.06	0.44	78.89	0.51	10.04	0.22	0.05	0.00	90.56	SP	FeTi-oxide
76PL 1817	63 52	97 07	14	7083463	592639	16	88	0.19	0.17	0.46	83.00	0.90	6.01	0.09	0.77	0.00	91.60	SP	FeTi-oxide
76PL 1817	63 52	97 07	14	7083463	592639	16	89	0.32	0.00	0.35	47.13	0.40	47.02	0.04	0.04	0.09	95.41	SP	ilmenite
76PL 1821	63 55	97 06	14	7088732	592965	16	90	0.07	0.45	0.66	3.14	55.01	0.18	22.46	0.61	17.67	100.25	CP	Cr-diopside
76PL 1825	63 59	97 07	14	7095492	592454	17	1	0.72	0.08	0.12	49.72	0.00	50.13	0.03	0.15	0.03	100.98	SP	ilmenite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 1825	63 59	97 07	14	7095492	592454	17	2	0.76	0.00	0.06	50.12	0.00	49.95	0.01	0.10	0.00	101.01	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	3	0.91	0.05	0.00	49.19	0.00	50.31	0.02	0.05	0.00	100.52	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	4	0.68	0.00	0.00	49.38	0.00	49.84	0.02	0.05	0.18	100.16	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	5	0.60	0.00	0.01	47.93	0.00	50.84	0.02	0.07	0.85	100.31	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	6	0.67	0.00	0.14	48.52	0.00	50.65	0.01	0.07	0.91	100.98	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	7	0.58	0.00	0.01	48.91	0.00	50.09	0.01	0.03	0.52	100.15	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	8	0.62	0.00	0.15	48.04	0.00	50.44	0.00	0.02	1.09	100.38	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	9	0.78	0.00	0.00	49.61	0.00	49.35	0.05	0.05	0.37	100.21	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	10	0.55	0.03	0.10	47.74	0.00	49.77	0.05	0.07	1.12	99.44	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	11	0.45	0.00	0.09	48.19	0.00	50.98	0.02	0.06	1.10	100.90	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	12	0.67	0.00	0.08	48.37	0.00	49.25	0.03	0.10	0.33	98.84	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	13	0.55	0.00	0.12	48.97	0.00	50.22	0.00	0.05	0.27	100.18	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	14	0.63	0.00	0.03	48.51	0.00	49.63	0.00	0.04	0.00	98.85	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	15	0.42	0.08	0.00	49.55	0.00	50.31	0.02	0.06	0.31	100.75	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	16	0.80	0.00	0.02	48.76	0.00	50.24	0.01	0.08	1.27	101.19	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	17	0.54	0.06	0.12	49.15	0.01	50.16	0.04	0.05	1.07	101.19	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	18	0.53	0.00	0.02	48.58	0.00	50.65	0.00	0.02	1.24	101.03	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	19	0.63	0.00	0.14	47.74	0.00	50.92	0.04	0.08	1.42	100.97	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	20	0.59	0.00	0.00	48.16	0.00	50.69	0.00	0.13	0.55	100.13	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	21	0.84	0.11	0.09	49.22	0.00	49.44	0.04	0.09	0.21	100.05	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	22	0.58	0.00	0.08	49.61	0.00	49.67	0.01	0.06	0.67	100.68	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	23	0.45	0.00	0.14	48.35	0.00	50.18	0.03	0.05	0.97	100.16	SP	ilmenite
76PL 1825	63 59	97 07	14	7095492	592454	17	24	0.67	0.00	0.06	47.98	0.00	50.75	0.00	0.07	0.73	100.26	SP	ilmenite
76PL 1851	63 35	97 06	14	7051612	594325	17	25	0.17	1.33	1.55	2.93	55.57	0.10	18.72	1.05	18.41	99.82	CP	Cr-diopside
76PL 1852	63 34	97 05	14	7050128	594793	17	26	0.13	0.38	0.34	2.65	55.85	0.10	24.07	0.18	16.54	100.24	CP	diopside
76PL 1852	63 34	97 05	14	7050128	594793	17	27	0.16	1.72	0.34	5.19	54.04	0.23	22.35	0.36	14.80	99.18	CP	diopside
76PL 1852	63 34	97 05	14	7050128	594793	17	28	0.10	0.40	0.84	2.87	54.89	0.25	22.67	0.52	17.90	100.42	CP	Cr-diopside
76PL 1900	63 37	97 04	14	7055432	596188	17	29	21.06	0.06	20.21	19.26	37.00	0.26	1.94	0.10	1.07	100.96	GA	spessartine
76PL 1900	63 37	97 04	14	7055432	596188	17	30	0.34	0.05	21.64	22.76	38.82	0.19	11.00	0.03	5.74	100.58	GA	almandine
76PL 1900	63 37	97 04	14	7055432	596188	17	31	0.18	0.00	0.21	93.85	0.00	0.02	0.08	1.18	0.00	95.52	SP	magnetite
76PL 1901	63 38	97 04	14	7056905	595809	17	32	0.23	1.92	0.32	6.18	53.98	0.16	21.96	1.38	13.64	99.76	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 1902	63 39	97 04	14	7058909	595562	17	34	0.14	0.99	0.78	4.32	54.51	0.09	21.82	0.17	17.49	100.31	CP	diopside
76PL 1902	63 39	97 04	14	7058909	595562	17	33	2.76	0.00	21.36	25.23	37.86	0.30	13.07	0.08	0.74	101.39	GA	almandine
76PL 1903	63 39	97 04	14	7059949	595686	17	35	0.26	0.81	2.68	3.93	53.29	0.22	21.44	0.86	17.04	100.53	CP	Cr-diopside
76PL 1903	63 39	97 04	14	7059949	595686	17	36	0.14	0.27	0.84	2.81	54.41	0.23	22.76	0.50	17.97	99.94	CP	Cr-diopside
76PL 1905	63 41	97 05	14	7063700	595000	17	40	0.13	0.00	24.57	11.11	38.04	0.06	22.66	0.05	0.12	96.74	CP	grossular
76PL 1905	63 41	97 05	14	7063700	595000	17	41	0.13	0.44	0.51	3.24	53.86	0.25	23.93	0.08	16.44	98.89	CP	diopside
76PL 1905	63 41	97 05	14	7063700	595000	17	37	19.53	0.00	21.33	22.43	36.28	0.22	0.70	0.01	0.47	100.98	GA	almandine
76PL 1905	63 41	97 05	14	7063700	595000	17	38	5.87	0.03	21.39	21.83	38.95	0.32	11.26	0.06	1.65	101.36	GA	almandine
76PL 1905	63 41	97 05	14	7063700	595000	17	39	0.40	0.05	20.95	24.62	40.52	0.26	9.10	0.10	5.64	101.64	GA	almandine
76PL 1906	63 42	97 04	14	7065017	595341	17	44	0.15	0.59	1.34	4.01	52.50	0.24	21.69	0.18	15.94	96.64	CP	diopside
76PL 1906	63 42	97 04	14	7065017	595341	17	45	0.07	0.65	0.68	3.62	52.57	0.33	22.25	0.38	16.23	96.78	CP	diopside
76PL 1906	63 42	97 04	14	7065017	595341	17	42	0.13	0.15	0.73	72.38	0.06	17.63	0.12	0.09	0.00	91.29	SP	FeTi-oxide
76PL 1906	63 42	97 04	14	7065017	595341	17	43	0.22	0.62	0.13	90.34	0.07	0.19	0.10	0.15	0.26	92.09	SP	magnetite
76PL 1907	63 43	97 04	14	7066443	595268	17	46	0.16	0.37	0.94	3.63	52.67	0.24	21.96	0.33	17.37	97.66	CP	diopside
76PL 1907	63 43	97 04	14	7066443	595268	17	47	0.19	0.13	0.70	4.37	53.27	0.18	22.10	0.11	16.58	97.64	CP	diopside
76PL 1907	63 43	97 04	14	7066443	595268	17	48	0.06	0.00	22.41	13.57	37.56	0.18	22.24	0.03	0.00	96.04	CP	grossular
76PL 1907	63 43	97 04	14	7066443	595268	17	49	0.19	0.31	1.02	3.39	52.95	0.19	21.48	0.48	18.34	98.34	CP	diopside
76PL 1908	63 73	97 07	14	7068095	595331	17	51	0.11	0.47	1.79	4.46	53.84	0.22	21.37	0.59	16.44	99.29	CP	Cr-diopside
76PL 1908	63 73	97 07	14	7068095	595331	17	50	1.77	0.00	21.25	24.40	38.04	0.23	11.37	0.12	3.40	100.57	GA	almandine
76PL 1911	63 46	97 04	14	7073087	595051	17	52	0.14	0.62	1.04	5.22	52.80	0.43	23.23	0.60	16.45	100.53	CP	Cr-diopside
76PL 1911	63 46	97 04	14	7073087	595051	17	53	0.23	0.47	0.80	3.40	54.29	0.35	23.42	0.37	17.01	100.33	CP	diopside
76PL 1911	63 46	97 04	14	7073087	595051	17	54	0.07	0.15	0.63	3.22	54.40	0.29	23.51	0.49	16.62	99.39	CP	diopside
76PL 1911	63 46	97 04	14	7073087	595051	17	55	0.16	0.29	0.81	3.79	54.00	0.32	23.24	0.43	16.90	99.93	CP	diopside
76PL 1911	63 46	97 04	14	7073087	595051	17	56	0.16	0.51	0.60	2.58	54.02	0.14	23.60	0.41	17.05	99.07	CP	diopside
76PL 1916	63 51	97 04	14	7081354	594720	17	58	0.17	0.09	0.83	3.80	54.04	0.18	23.37	0.39	16.97	99.83	CP	diopside
76PL 1916	63 51	97 04	14	7081354	594720	17	59	0.23	0.40	0.81	3.68	55.42	0.16	21.33	0.31	17.96	100.29	CP	diopside
76PL 1916	63 51	97 04	14	7081354	594720	17	60	0.10	0.31	1.02	3.89	54.12	0.31	22.92	0.63	16.23	99.52	CP	Cr-diopside
76PL 1916	63 51	97 04	14	7081354	594720	17	61	0.13	0.25	1.03	4.58	53.96	0.13	22.58	0.06	17.80	100.52	CP	diopside
76PL 1916	63 51	97 04	14	7081354	594720	17	57	0.57	0.11	22.51	23.97	39.06	0.13	9.29	0.13	5.79	101.55	GA	almandine
76PL 1917	63 52	97 05	14	7083037	594325	17	62	0.15	0.00	1.87	76.14	4.88	8.30	0.09	0.06	0.00	91.49	SP	FeTi-oxide
76PL 1918	63 52	97 05	14	7084301	594459	17	63	0.11	0.29	0.64	3.58	54.55	0.23	22.76	0.25	16.92	99.33	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 1918	63 52	97 05	14	7084301	594459	17	64	0.16	0.44	0.69	3.07	53.64	0.14	21.85	0.84	18.01	98.86	CP	Cr-diopside
76PL 1918	63 52	97 05	14	7084301	594459	17	65	0.09	0.15	0.45	3.22	55.36	0.30	22.84	0.29	18.94	101.62	CP	diopside
76PL 1921	63 55	97 04	14	7088554	594622	17	66	0.24	0.61	0.65	3.71	54.75	0.30	23.15	0.42	16.57	100.39	CP	diopside
76PL 1921	63 55	97 04	14	7088554	594622	17	67	0.13	0.36	0.88	3.83	54.03	0.22	22.64	0.32	17.60	99.99	CP	diopside
76PL 1921	63 55	97 04	14	7088554	594622	17	68	0.21	0.39	1.11	3.53	53.41	0.30	23.46	0.85	16.44	99.69	CP	Cr-diopside
76PL 1924	63 58	97 05	14	7093952	594209	17	69	0.09	0.16	0.31	2.35	55.02	0.23	23.73	0.54	17.73	100.16	CP	Cr-diopside
76PL 1925	63 58	97 04	14	7095254	594341	17	70	0.46	0.00	0.12	49.36	0.00	50.46	0.02	0.06	0.79	101.26	SP	ilmenite
76PL 1950	63 36	97 04	14	7053947	596160	17	72	0.07	0.24	0.50	2.87	55.25	0.18	23.61	0.33	17.09	100.14	CP	diopside
76PL 1950	63 36	97 04	14	7053947	596160	17	71	0.56	0.00	0.60	86.34	0.01	4.18	0.09	0.13	0.00	91.91	SP	FeTi-oxide
76PL 1951	63 35	97 04	14	7052644	595556	17	73	0.13	0.74	0.80	2.91	54.96	0.12	22.44	0.59	18.49	101.17	CP	Cr-diopside
76PL 1952	63 34	97 04	14	7050052	596080	17	74	0.28	1.50	0.32	5.14	55.46	0.15	22.01	0.11	16.16	101.13	CP	diopside
76PL 1952	63 34	97 04	14	7050052	596080	17	75	0.20	0.85	0.38	3.93	54.87	0.12	24.39	0.17	15.49	100.40	CP	diopside
76PL 1952	63 34	97 04	14	7050052	596080	17	76	0.18	0.88	0.39	4.78	54.59	0.13	23.78	0.18	15.70	100.62	CP	diopside
76PL 1952	63 34	97 04	14	7050052	596080	17	77	0.05	0.29	0.28	2.47	55.45	0.17	24.54	0.14	17.75	101.12	CP	diopside
76PL 1952	63 34	97 04	14	7050052	596080	17	78	0.20	0.38	0.36	2.55	54.55	0.25	24.78	0.19	17.10	100.36	CP	diopside
76PL 2000	63 37	97 02	14	7055494	597689	17	81	0.09	0.43	0.75	3.30	55.11	0.29	23.21	0.56	17.02	100.75	CP	Cr-diopside
76PL 2000	63 37	97 02	14	7055494	597689	17	79	0.33	0.00	21.58	24.71	39.71	0.19	9.43	0.04	5.89	101.87	GA	almandine
76PL 2000	63 37	97 02	14	7055494	597689	17	80	0.42	0.00	21.03	24.75	40.33	0.14	10.82	0.06	4.28	101.85	GA	almandine
76PL 2001	63 38	97 02	14	7056920	597603	17	82	0.10	0.23	0.42	3.02	53.82	0.23	22.32	0.31	18.27	98.70	CP	diopside
76PL 2004	63 40	97 02	14	7061857	597044	17	86	0.14	0.29	1.34	3.92	54.66	0.25	21.72	0.47	18.24	101.03	CP	diopside
76PL 2004	63 40	97 02	14	7061857	597044	17	83	0.06	1.96	30.25	6.60	36.91	1.37	1.83	0.06	7.78	86.83	SP	tourmaline?
76PL 2004	63 40	97 02	14	7061857	597044	17	84	0.09	0.06	0.04	0.00	0.00	98.65	0.00	0.21	0.00	99.06	SP	rutile
76PL 2004	63 40	97 02	14	7061857	597044	17	85	0.13	0.00	2.20	80.43	1.68	2.86	0.04	0.34	0.00	87.68	SP	FeTi-oxide
76PL 2008	63 44	97 03	14	7068169	596425	17	87	0.08	0.00	0.42	90.76	0.08	0.00	0.05	0.07	0.00	91.46	SP	magnetite
76PL 2008	63 44	97 03	14	7068169	596425	17	88	0.12	0.00	0.16	69.86	0.09	20.30	0.03	0.00	0.00	90.57	SP	FeTi-oxide
76PL 2009	63 44	97 03	14	7069253	596446	17	89	1.34	0.00	21.48	25.06	39.37	0.23	9.65	0.06	3.93	101.12	GA	almandine
76PL 2010	63 46	97 02	14	7071437	596718	17	90	0.09	0.13	0.67	2.73	55.57	0.19	23.40	0.42	16.86	100.06	CP	diopside
76PL 2010	63 46	97 02	14	7071437	596718	17	91	0.13	0.34	0.77	3.42	54.80	0.24	23.16	0.38	16.77	100.00	CP	diopside
76PL 2010	63 46	97 02	14	7071437	596718	17	92	0.24	0.40	1.28	4.17	53.85	0.14	21.97	0.53	17.30	99.90	CP	Cr-diopside
76PL 2010	63 46	97 02	14	7071437	596718	17	93	0.18	0.28	1.19	3.64	54.06	0.26	23.17	0.50	16.40	99.69	CP	Cr-diopside
76PL 2015	63 50	97 03	14	7079802	595750	17	95	0.11	0.32	0.84	3.50	53.92	0.19	23.25	0.25	17.40	99.79	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2015	63 50	97 03	14	7079802	595750	17	96	0.14	0.49	0.65	4.19	54.65	0.22	22.87	0.20	18.02	101.44	CP	diopside
76PL 2015	63 50	97 03	14	7079802	595750	17	97	0.21	0.53	1.02	3.44	53.76	0.29	23.40	0.43	16.08	99.16	CP	diopside
76PL 2015	63 50	97 03	14	7079802	595750	17	98	0.05	0.48	0.67	3.33	54.81	0.20	23.78	0.52	16.08	99.92	CP	Cr-diopside
76PL 2015	63 50	97 03	14	7079802	595750	17	99	0.11	0.28	0.81	3.70	54.98	0.15	22.96	0.33	17.38	100.70	CP	diopside
76PL 2015	63 50	97 03	14	7079802	595750	17	94	0.22	0.00	21.52	22.63	38.77	0.14	10.32	0.05	6.88	100.53	GA	almandine
76PL 2019	63 53	97 03	14	7085998	595845	18	2	0.10	0.26	1.15	3.78	54.55	0.32	22.43	0.29	17.34	100.22	CP	diopside
76PL 2019	63 53	97 03	14	7085998	595845	18	3	0.17	0.34	0.89	3.71	53.67	0.21	22.90	0.31	17.61	99.82	CP	diopside
76PL 2019	63 53	97 03	14	7085998	595845	18	1	0.51	0.00	0.07	48.36	0.00	51.71	0.01	0.05	0.33	101.03	SP	ilmenite
76PL 2021	63 55	97 03	14	7088646	596059	18	5	0.33	0.26	1.08	5.14	54.05	0.20	21.63	0.11	18.28	101.10	CP	diopside
76PL 2021	63 55	97 03	14	7088646	596059	18	6	0.16	0.24	0.66	3.26	54.55	0.22	23.39	0.43	16.83	99.74	CP	diopside
76PL 2021	63 55	97 03	14	7088646	596059	18	4	0.58	0.03	0.09	48.89	0.00	51.03	0.02	0.08	0.42	101.13	SP	ilmenite
76PL 2024	63 58	97 04	14	7094000	594400	18	14	0.21	0.37	0.62	2.76	54.59	0.15	23.90	0.49	16.71	99.80	CP	diopside
76PL 2024	63 58	97 04	14	7094000	594400	18	7	0.36	0.00	21.63	23.97	39.21	0.24	10.69	0.08	5.18	101.36	GA	almandine
76PL 2024	63 58	97 04	14	7094000	594400	18	8	0.70	0.01	20.60	24.01	38.17	0.27	16.16	0.06	0.41	100.38	GA	almandine
76PL 2024	63 58	97 04	14	7094000	594400	18	9	0.51	0.05	0.12	49.25	0.00	49.66	0.00	0.10	0.51	100.20	SP	ilmenite
76PL 2024	63 58	97 04	14	7094000	594400	18	10	0.68	0.03	0.07	48.69	0.00	50.40	0.01	0.09	0.58	100.55	SP	ilmenite
76PL 2024	63 58	97 04	14	7094000	594400	18	11	0.42	0.00	0.12	49.69	0.00	49.98	0.04	0.11	0.09	100.44	SP	ilmenite
76PL 2024	63 58	97 04	14	7094000	594400	18	12	0.46	0.00	0.07	49.39	0.00	50.62	0.07	0.02	0.61	101.25	SP	ilmenite
76PL 2024	63 58	97 04	14	7094000	594400	18	13	0.51	0.00	0.03	49.27	0.00	49.19	0.04	0.07	0.15	99.25	SP	ilmenite
76PL 2025	63 58	97 03	14	7095371	595739	18	15	0.11	1.77	35.64	11.48	36.79	0.21	0.16	0.00	2.47	88.63	SP	tourmaline
76PL 2025	63 58	97 03	14	7095371	595739	18	16	0.06	2.51	33.46	10.04	37.22	0.76	0.61	0.03	4.13	88.82	SP	tourmaline
76PL 2025	63 58	97 03	14	7095371	595739	18	17	0.36	0.22	0.43	75.42	0.15	15.72	0.07	0.07	0.00	92.43	SP	FeTi-oxide
76PL 2025	63 58	97 03	14	7095371	595739	18	18	0.23	0.00	0.59	75.28	0.27	16.22	0.11	0.09	0.00	92.80	SP	FeTi-oxide
76PL 2025	63 58	97 03	14	7095371	595739	18	19	0.03	0.04	0.73	0.11	96.02	0.26	0.05	0.02	0.00	97.26	SP	quartz
76PL 2025	63 58	97 03	14	7095371	595739	18	20	0.18	0.00	0.35	76.32	0.10	14.64	0.08	0.06	0.00	91.74	SP	FeTi-oxide
76PL 2025	63 58	97 03	14	7095371	595739	18	21	0.42	0.09	0.32	74.60	0.33	15.31	0.15	0.12	0.06	91.42	SP	FeTi-oxide
76PL 2025	63 58	97 03	14	7095371	595739	18	22	0.33	0.00	0.77	81.46	1.44	5.96	0.11	0.42	0.48	90.98	SP	FeTi-oxide
76PL 2026	63 59	97 03	14	7097148	595687	18	23	0.52	0.00	0.10	48.66	0.00	51.38	0.04	0.08	0.61	101.40	SP	ilmenite
76PL 2051	63 35	97 02	14	7052000	597300	18	30	0.20	0.66	1.13	3.48	54.34	0.08	23.45	0.52	16.28	100.14	CP	Cr-diopside
76PL 2051	63 35	97 02	14	7052000	597300	18	31	0.28	0.80	0.90	2.78	54.13	0.15	23.30	0.27	17.87	100.49	CP	diopside
76PL 2051	63 35	97 02	14	7052000	597300	18	24	0.33	0.00	21.75	22.39	39.09	0.21	10.65	0.08	6.12	100.61	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2051	63 35	97 02	14	7052000	597300	18	25	1.05	0.00	22.27	24.84	38.24	0.17	11.46	0.12	3.61	101.75	GA	almandine
76PL 2051	63 35	97 02	14	7052000	597300	18	26	0.41	0.00	21.74	23.34	39.52	0.18	11.38	0.13	4.90	101.60	GA	almandine
76PL 2051	63 35	97 02	14	7052000	597300	18	27	2.73	0.00	21.55	27.22	37.84	0.21	9.42	0.07	1.90	100.93	GA	almandine
76PL 2051	63 35	97 02	14	7052000	597300	18	28	0.06	0.00	0.29	89.76	0.00	1.43	0.00	0.07	0.00	91.61	SP	hematite
76PL 2051	63 35	97 02	14	7052000	597300	18	29	0.21	0.16	0.32	31.59	0.00	55.52	0.09	0.00	0.98	88.86	SP	Fe-rutile
76PL 2053	63 33	97 02	14	7048978	597560	18	33	0.23	0.49	0.69	4.63	55.01	0.19	23.62	0.07	15.25	100.19	CP	diopside
76PL 2053	63 33	97 02	14	7048978	597560	18	32	0.28	0.00	12.25	14.09	0.06	0.08	0.00	56.92	14.94	98.61	IL	chromite ¹
76PL 2100	63 37	97 00	14	7055522	599127	18	34	0.21	0.29	0.99	4.04	54.42	0.16	21.59	0.40	18.00	100.11	CP	diopside
76PL 2100	63 37	97 00	14	7055522	599127	18	35	0.09	0.55	0.73	4.13	53.90	0.36	22.47	0.31	16.56	99.09	CP	diopside
76PL 2101	63 38	96 60	14	7056783	599464	18	36	0.03	0.54	0.27	3.27	54.95	0.25	23.28	0.07	16.74	99.39	CP	diopside
76PL 2101	63 38	96 60	14	7056783	599464	18	37	0.26	0.31	0.42	3.59	55.14	0.25	21.96	0.43	17.93	100.28	CP	diopside
76PL 2101	63 38	96 60	14	7056783	599464	18	38	0.13	0.40	0.72	3.22	55.09	0.18	22.38	0.35	17.90	100.36	CP	diopside
76PL 2105	63 41	97 22	14	7063300	580500	18	41	0.16	0.49	0.53	4.13	54.10	0.21	23.44	0.13	15.47	98.65	CP	diopside
76PL 2105	63 41	97 22	14	7063300	580500	18	39	0.79	0.10	22.24	18.64	40.87	0.13	9.33	0.05	8.55	100.71	GA	almandine
76PL 2105	63 41	97 22	14	7063300	580500	18	40	0.40	0.00	21.55	21.35	39.21	0.14	8.52	0.05	8.14	99.35	GA	almandine
76PL 2106	63 42	96 59	14	7065237	599715	18	42	0.43	0.03	0.29	82.67	0.12	6.79	0.11	0.13	0.00	90.56	SP	FeTi-oxide
76PL 2106	63 42	96 59	14	7065237	599715	18	43	0.34	0.00	0.16	90.17	0.00	0.17	0.12	0.11	0.00	91.07	SP	magnetite
76PL 2106	63 42	96 59	14	7065237	599715	18	44	0.47	0.06	0.56	81.56	0.27	9.26	0.08	0.09	0.00	92.35	SP	FeTi-oxide
76PL 2107	63 43	97 00	14	7066681	598713	18	45	0.09	0.29	0.90	3.34	55.06	0.28	23.41	0.64	15.91	99.92	CP	Cr-diopside
76PL 2108	63 44	97 00	14	7068436	598470	18	46	0.09	0.29	0.66	3.60	55.47	0.22	23.18	0.32	17.62	101.45	CP	diopside
76PL 2109	63 45	97 00	14	7069826	598499	18	47	0.46	0.09	1.31	79.73	0.31	9.04	0.19	0.13	0.03	91.29	SP	FeTi-oxide
76PL 2110	63 46	97 00	14	7071909	598429	18	49	0.10	0.29	0.91	2.89	55.10	0.17	22.01	0.89	19.24	101.60	CP	Cr-diopside
76PL 2110	63 46	97 00	14	7071909	598429	18	50	0.09	0.49	0.72	3.10	54.32	0.22	22.62	0.51	17.30	99.36	CP	Cr-diopside
76PL 2110	63 46	97 00	14	7071909	598429	18	51	0.16	0.37	0.71	3.15	54.06	0.23	23.59	0.39	17.35	100.02	CP	diopside
76PL 2110	63 46	97 00	14	7071909	598429	18	52	0.13	0.32	0.87	2.92	54.50	0.21	21.91	0.83	18.21	99.90	CP	Cr-diopside
76PL 2110	63 46	97 00	14	7071909	598429	18	53	0.09	0.49	0.91	3.45	54.60	0.22	22.26	0.68	17.82	100.52	CP	Cr-diopside
76PL 2110	63 46	97 00	14	7071909	598429	18	48	0.76	0.00	1.68	76.91	0.32	10.90	0.17	0.05	0.78	91.58	SP	FeTi-oxide
76PL 2111	63 46	97 01	14	7072936	598044	18	54	0.09	0.40	0.81	4.33	54.53	0.22	23.02	0.28	17.19	100.88	CP	diopside
76PL 2111	63 46	97 01	14	7072936	598044	18	55	0.07	0.38	0.22	3.50	55.22	0.21	23.42	0.19	17.12	100.33	CP	diopside
76PL 2111	63 46	97 01	14	7072936	598044	18	56	0.09	0.26	0.64	3.54	53.32	0.26	22.73	0.38	16.82	98.04	CP	diopside
76PL 2111	63 46	97 01	14	7072936	598044	18	57	0.27	0.49	1.01	4.14	54.13	0.19	20.25	0.65	18.28	99.41	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2111	63 46	97 01	14	7072936	598044	18	58	0.13	0.24	0.79	3.03	54.43	0.24	23.08	0.41	16.59	98.94	CP	diopside
76PL 2111	63 46	97 01	14	7072936	598044	18	59	0.16	0.25	1.46	4.53	54.32	0.49	23.74	0.19	16.38	101.50	CP	diopside
76PL 2115	63 50	97 01	14	7079733	597456	18	60	0.20	0.27	0.68	3.80	54.76	0.18	23.15	0.05	16.92	100.01	CP	diopside
76PL 2118	63 53	97 01	14	7084660	597113	18	62	0.05	0.25	1.12	4.08	53.50	0.19	22.77	0.29	16.68	98.92	CP	diopside
76PL 2118	63 53	97 01	14	7084660	597113	18	61	0.61	0.00	0.09	49.64	0.00	50.08	0.00	0.04	0.39	100.87	SP	ilmenite
76PL 2120	63 54	97 01	14	7087483	597477	18	63	0.11	0.31	0.73	3.67	54.45	0.21	22.98	0.55	17.50	100.51	CP	Cr-diopside
76PL 2122	63 56	97 00	14	7090482	597762	18	64	0.17	0.24	0.57	3.24	55.08	0.24	23.31	0.29	16.86	100.01	CP	diopside
76PL 2122	63 56	97 00	14	7090482	597762	18	65	0.23	1.05	0.33	4.64	54.44	0.23	22.18	0.21	15.34	98.65	CP	diopside
76PL 2125	63 58	97 01	14	7095429	596999	18	66	0.10	0.36	0.68	3.43	54.74	0.21	23.50	0.41	16.33	99.76	CP	diopside
76PL 2127	64 01	97 01	14	7099361	597259	18	68	0.20	0.32	1.06	4.40	54.56	0.23	22.59	0.15	17.76	101.27	CP	diopside
76PL 2127	64 01	97 01	14	7099361	597259	18	67	0.23	0.00	21.62	23.00	39.23	0.39	10.13	0.05	6.55	101.20	GA	almandine
76PL 2150	63 36	96 60	14	7054405	599437	18	69	0.13	0.56	0.87	4.53	53.88	0.22	21.54	0.13	17.97	99.84	CP	diopside
76PL 2150	63 36	96 60	14	7054405	599437	18	70	0.16	0.52	1.31	3.17	54.39	0.18	21.59	1.14	17.61	100.06	CP	Cr-diopside
76PL 2151	63 40	96 59	14	7062000	599400	18	76	0.18	0.57	0.62	3.17	54.40	0.19	23.09	0.19	17.10	99.51	CP	diopside
76PL 2151	63 40	96 59	14	7062000	599400	18	77	0.14	0.48	0.72	4.03	55.26	0.12	21.70	0.11	17.14	99.69	CP	diopside
76PL 2151	63 40	96 59	14	7062000	599400	18	71	0.48	0.00	22.59	22.88	39.62	0.13	9.32	0.09	6.66	101.78	GA	almandine
76PL 2151	63 40	96 59	14	7062000	599400	18	72	0.29	0.00	21.87	26.00	38.25	0.17	6.36	0.07	6.78	99.78	GA	almandine
76PL 2151	63 40	96 59	14	7062000	599400	18	73	0.42	0.00	21.39	23.05	39.25	0.18	9.10	0.11	5.77	99.28	GA	almandine
76PL 2151	63 40	96 59	14	7062000	599400	18	74	2.68	0.00	20.47	31.09	38.33	0.21	5.89	0.18	1.51	100.36	GA	almandine
76PL 2151	63 40	96 59	14	7062000	599400	18	75	0.08	0.00	0.07	0.08	0.00	100.51	0.01	0.50	0.00	101.25	SP	rutile
76PL 2201	63 38	96 58	14	7057218	600844	18	79	0.23	1.04	0.26	4.51	54.13	0.16	22.49	0.11	17.14	100.04	CP	diopside
76PL 2201	63 38	96 58	14	7057218	600844	18	80	0.09	0.91	0.23	3.32	54.59	0.23	24.30	0.12	17.27	101.07	CP	diopside
76PL 2201	63 38	96 58	14	7057218	600844	18	78	0.55	0.00	21.39	21.21	39.54	0.27	6.65	0.10	9.61	99.31	GA	almandine
76PL 2204	63 40	96 58	14	7062049	600414	18	81	0.18	0.14	0.61	3.07	54.15	0.20	23.26	0.34	17.65	99.62	CP	diopside
76PL 2205	63 41	96 56	14	7063700	601800	18	83	0.15	0.16	0.56	3.67	55.35	0.23	22.77	0.08	16.51	99.47	CP	diopside
76PL 2205	63 41	96 56	14	7063700	601800	18	82	0.64	0.00	21.06	23.96	38.47	0.16	13.37	0.00	2.70	100.36	GA	almandine
76PL 2208	63 44	96 58	14	7068520	600149	18	84	0.15	0.75	0.81	2.86	54.76	0.16	21.16	1.28	18.19	100.11	CP	Cr-diopside
76PL 2209	63 45	96 59	14	7070013	599897	18	85	0.09	0.38	1.04	3.95	52.98	0.27	22.87	0.41	16.79	98.78	CP	diopside
76PL 2209	63 45	96 59	14	7070013	599897	18	86	0.08	0.50	1.07	3.87	54.41	0.24	22.95	0.42	17.58	101.12	CP	diopside
76PL 2210	63 46	96 58	14	7071753	600264	18	87	0.15	0.38	0.59	3.21	53.66	0.21	23.61	0.30	18.11	100.23	CP	diopside
76PL 2210	63 46	96 58	14	7071753	600264	18	88	0.15	0.18	0.72	3.34	55.30	0.23	23.45	0.32	16.85	100.55	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2216	63 51	96 58	14	7081384	599582	18	89	0.01	8.94	24.09	0.00	60.84	0.00	5.44	0.00	0.00	99.32	CP	plagioclase
76PL 2216	63 51	96 58	14	7081384	599582	18	90	0.09	0.21	0.57	3.01	54.43	0.17	23.12	0.40	17.44	99.43	CP	diopside
76PL 2217	63 52	96 59	14	7082727	599447	18	91	0.13	0.29	0.56	3.05	53.68	0.18	23.44	0.26	17.36	98.94	CP	diopside
76PL 2218	63 53	96 60	14	7084871	598383	18	95	0.14	0.18	1.00	4.00	54.34	0.22	21.68	0.24	17.35	99.16	CP	diopside
76PL 2218	63 53	96 60	14	7084871	598383	18	96	0.23	0.41	0.74	5.32	53.78	0.12	21.75	0.12	16.53	98.99	CP	diopside
76PL 2218	63 53	96 60	14	7084871	598383	18	97	0.09	0.91	1.26	4.07	54.36	0.09	21.24	0.17	16.56	98.75	CP	diopside
76PL 2218	63 53	96 60	14	7084871	598383	18	98	0.12	0.00	23.67	11.48	39.75	0.14	23.23	0.07	0.10	98.56	CP	grossular
76PL 2218	63 53	96 60	14	7084871	598383	18	92	0.63	0.10	0.36	73.07	0.12	17.32	0.09	0.00	0.00	91.68	SP	FeTi-oxide
76PL 2218	63 53	96 60	14	7084871	598383	18	93	0.85	0.00	0.76	70.44	0.09	18.38	0.07	0.09	0.00	90.70	SP	FeTi-oxide
76PL 2218	63 53	96 60	14	7084871	598383	18	94	0.50	0.03	0.05	49.12	0.00	48.62	0.01	0.02	0.15	98.50	SP	ilmenite
76PL 2219	63 54	96 59	14	7086337	599238	18	99	0.15	0.27	0.81	3.56	55.14	0.20	23.47	0.19	16.94	100.74	CP	diopside
76PL 2219	63 54	96 59	14	7086337	599238	18	100	0.14	0.23	0.97	3.94	54.03	0.21	21.98	0.38	17.69	99.56	CP	diopside
76PL 2221	63 55	96 59	14	7088929	599122	19	1	0.42	0.01	0.12	49.24	0.00	49.44	0.02	0.06	0.48	99.79	SP	ilmenite
76PL 2225	63 59	96 58	14	7096164	599202	19	2	0.55	0.00	0.02	49.76	0.00	50.00	0.02	0.11	0.38	100.84	SP	ilmenite
76PL 2225	63 59	96 58	14	7096164	599202	19	3	0.69	0.01	0.97	65.92	0.01	23.95	0.01	0.07	0.48	92.12	SP	FeTi-oxide
76PL 2227	64 01	96 58	14	7099485	599425	19	11	0.06	0.39	1.27	3.82	53.87	0.20	22.49	0.11	17.88	100.11	CP	diopside
76PL 2227	64 01	96 58	14	7099485	599425	19	12	0.22	0.27	1.05	3.32	54.93	0.15	22.31	0.27	18.40	100.91	CP	diopside
76PL 2227	64 01	96 58	14	7099485	599425	19	13	0.09	0.29	0.98	3.15	54.74	0.19	22.75	0.43	17.14	99.75	CP	diopside
76PL 2227	64 01	96 58	14	7099485	599425	19	4	0.48	0.00	0.11	49.69	0.00	50.00	0.06	0.02	0.60	100.95	SP	ilmenite
76PL 2227	64 01	96 58	14	7099485	599425	19	5	0.56	0.00	0.00	49.76	0.00	50.21	0.03	0.08	0.28	100.92	SP	ilmenite
76PL 2227	64 01	96 58	14	7099485	599425	19	7	0.54	0.08	0.01	48.53	0.00	49.73	0.00	0.12	0.46	99.48	SP	ilmenite
76PL 2227	64 01	96 58	14	7099485	599425	19	6	0.63	0.06	0.01	50.05	0.00	49.70	0.03	0.05	0.00	100.54	SP	ilmenite
76PL 2227	64 01	96 58	14	7099485	599425	19	8	0.56	0.03	0.24	45.46	0.00	50.77	0.02	0.12	1.96	99.16	SP	ilmenite
76PL 2227	64 01	96 58	14	7099485	599425	19	9	0.46	0.00	0.09	49.23	0.00	49.55	0.08	0.08	0.59	100.08	SP	ilmenite
76PL 2227	64 01	96 58	14	7099485	599425	19	10	0.44	0.00	0.00	48.51	0.00	49.77	0.06	0.09	0.58	99.45	SP	ilmenite
76PL 2252	63 34	96 58	14	7050730	600778	19	14	0.17	0.04	0.88	2.96	54.69	0.13	22.54	0.54	17.28	99.23	CP	Cr-diopside
76PL 2253	63 33	96 58	14	7048810	600681	19	15	0.13	0.13	1.38	76.42	0.03	14.08	0.16	0.08	0.00	92.40	SP	FeTi-oxide
76PL 2300	63 37	96 56	14	7055664	602115	19	18	0.12	0.01	25.68	10.91	40.23	0.10	23.84	0.00	0.00	100.90	CP	grossular
76PL 2300	63 37	96 56	14	7055664	602115	19	16	0.33	0.00	20.11	24.26	38.73	0.17	10.37	0.10	4.94	99.00	GA	almandine
76PL 2300	63 37	96 56	14	7055664	602115	19	17	0.34	0.09	21.98	23.52	39.05	0.18	10.93	0.06	5.30	101.46	GA	almandine
76PL 2302	63 39	96 56	14	7058717	602170	19	21	0.15	0.41	1.24	4.37	53.51	0.22	22.44	0.08	16.43	98.86	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2302	63 39	96 56	14	7058717	602170	19	19	0.62	0.13	21.17	23.76	39.37	0.21	11.13	0.07	4.62	101.09	GA	almandine
76PL 2302	63 39	96 56	14	7058717	602170	19	20	0.37	0.00	0.05	48.50	0.00	48.82	0.04	0.11	0.34	98.22	SP	ilmenite
76PL 2303	63 39	96 55	14	7060406	603366	19	23	0.06	0.08	22.60	13.89	39.37	0.10	22.72	0.06	0.00	98.89	CP	grossular
76PL 2303	63 39	96 55	14	7060406	603366	19	22	0.72	0.00	20.24	32.33	37.87	0.15	7.62	0.08	1.08	100.08	GA	almandine
76PL 2304	63 40	96 57	14	7062213	601557	19	24	26.82	0.00	20.31	13.06	38.16	0.15	1.87	0.04	0.88	101.30	GA	spessartine
76PL 2304	63 40	96 57	14	7062213	601557	19	25	0.27	0.00	20.98	25.06	39.16	0.11	9.01	0.03	5.16	99.76	GA	almandine
76PL 2304	63 40	96 57	14	7062213	601557	19	26	0.41	0.00	0.18	88.24	0.01	0.32	0.05	0.10	0.00	89.31	SP	hematite
76PL 2307	63 43	96 56	14	7066848	602096	19	27	0.23	0.53	0.79	3.89	54.01	0.20	22.62	0.21	17.99	100.47	CP	diopside
76PL 2308	63 44	96 57	14	7069075	601438	19	29	0.20	0.36	0.94	2.94	54.37	0.23	22.49	0.71	16.33	98.58	CP	Cr-diopside
76PL 2308	63 44	96 57	14	7069075	601438	19	28	0.39	0.00	0.74	84.26	0.26	4.49	0.34	0.11	0.00	90.57	SP	FeTi-oxide
76PL 2310	63 46	96 56	14	7072329	601656	19	36	0.11	0.59	0.88	2.90	54.06	0.22	22.84	0.66	17.83	100.09	CP	Cr-diopside
76PL 2310	63 46	96 56	14	7072329	601656	19	30	6.14	0.00	20.16	24.34	37.68	0.18	10.23	0.08	1.00	99.80	GA	almandine
76PL 2310	63 46	96 56	14	7072329	601656	19	31	0.10	0.06	2.83	75.05	0.00	13.93	0.04	0.07	0.00	92.07	SP	FeTi-oxide
76PL 2310	63 46	96 56	14	7072329	601656	19	32	0.56	0.00	0.07	48.95	0.00	50.47	0.00	0.10	0.15	100.30	SP	ilmenite
76PL 2310	63 46	96 56	14	7072329	601656	19	33	0.41	0.19	1.72	78.81	0.08	10.72	0.10	0.07	0.69	92.80	SP	FeTi-oxide
76PL 2310	63 46	96 56	14	7072329	601656	19	34	0.14	0.00	0.77	84.68	0.00	5.21	0.08	0.12	0.00	91.01	SP	FeTi-oxide
76PL 2310	63 46	96 56	14	7072329	601656	19	35	0.34	0.00	0.28	82.92	0.20	6.54	0.12	0.05	0.00	90.44	SP	FeTi-oxide
76PL 2311	63 46	96 56	14	7073300	602000	19	38	0.17	0.46	0.80	2.90	55.02	0.17	22.30	0.68	18.28	100.78	CP	Cr-diopside
76PL 2311	63 46	96 56	14	7073300	602000	19	39	0.17	0.71	0.90	3.89	53.00	0.26	23.25	0.31	16.14	98.62	CP	diopside
76PL 2311	63 46	96 56	14	7073300	602000	19	40	0.13	0.24	0.67	3.35	53.86	0.29	22.96	0.32	17.51	99.31	CP	diopside
76PL 2311	63 46	96 56	14	7073300	602000	19	41	0.28	0.26	0.79	3.38	54.93	0.20	22.58	0.17	18.18	100.79	CP	diopside
76PL 2311	63 46	96 56	14	7073300	602000	19	37	0.55	0.00	0.21	48.49	0.00	49.67	0.01	0.07	0.39	99.40	SP	ilmenite
76PL 2319	63 54	96 56	14	7086480	601069	19	42	0.79	0.07	21.13	27.08	38.61	0.09	8.33	0.08	5.08	101.27	GA	almandine
76PL 2319	63 54	96 56	14	7086480	601069	19	43	2.93	0.00	19.58	13.36	38.60	0.16	25.10	0.10	0.04	99.88	GA	grossular
76PL 2319	63 54	96 56	14	7086480	601069	19	44	16.18	0.00	20.14	19.29	37.66	0.21	4.76	0.05	1.21	99.50	GA	almandine
76PL 2319	63 54	96 56	14	7086480	601069	19	45	0.72	0.00	20.90	24.33	38.32	0.18	15.04	0.06	0.87	100.41	GA	almandine
76PL 2319	63 54	96 56	14	7086480	601069	19	46	1.71	0.00	0.85	72.08	0.39	15.90	0.07	0.09	0.00	91.09	SP	FeTi-oxide
76PL 2319	63 54	96 56	14	7086480	601069	19	47	0.43	0.11	0.07	49.46	0.00	48.56	0.01	0.13	0.06	98.82	SP	ilmenite
76PL 2319	63 54	96 56	14	7086480	601069	19	48	0.15	0.00	0.15	89.89	0.00	0.03	0.02	0.10	0.00	90.35	SP	hematite
76PL 2319	63 54	96 56	14	7086480	601069	19	49	1.78	0.00	0.17	46.82	0.00	53.02	0.00	0.06	0.00	101.86	SP	ilmenite
76PL 2319	63 54	96 56	14	7086480	601069	19	50	0.37	0.03	0.25	87.85	0.00	2.52	0.08	0.09	0.00	91.19	SP	FeTi-oxide

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2319	63 54	96 56	14	7086480	601069	19	51	0.38	0.12	0.43	69.61	0.04	21.08	0.03	0.13	0.00	91.83	SP	FeTi-oxide
76PL 2319	63 54	96 56	14	7086480	601069	19	52	1.20	0.00	0.13	57.56	0.00	35.55	0.03	0.05	1.90	96.42	SP	FeTi-oxide
76PL 2319	63 54	96 56	14	7086480	601069	19	53	0.29	0.00	0.63	84.11	0.24	4.35	0.06	0.08	0.00	89.77	SP	FeTi-oxide
76PL 2319	63 54	96 56	14	7086480	601069	19	54	0.31	0.00	0.78	72.86	0.54	18.53	0.07	0.09	0.00	93.19	SP	FeTi-oxide
76PL 2319	63 54	96 56	14	7086480	601069	19	55	0.74	0.00	0.09	33.66	0.00	63.25	0.01	0.06	0.37	98.18	SP	Fe-rutile
76PL 2319	63 54	96 56	14	7086480	601069	19	56	0.44	0.05	0.02	49.16	0.00	48.59	0.01	0.08	0.58	98.94	SP	ilmenite
76PL 2319	63 54	96 56	14	7086480	601069	19	57	0.40	0.32	1.25	75.04	0.00	15.96	0.10	0.07	0.00	93.13	SP	FeTi-oxide
76PL 2319	63 54	96 56	14	7086480	601069	19	58	0.30	0.07	0.19	91.25	0.04	0.05	0.05	0.09	0.00	92.03	SP	magnetite
76PL 2319	63 54	96 56	14	7086480	601069	19	59	0.47	0.00	0.03	49.41	0.00	50.53	0.02	0.10	0.36	100.92	SP	ilmenite
76PL 2319	63 54	96 56	14	7086480	601069	19	60	0.10	0.00	3.38	2.57	28.41	34.84	25.39	0.06	0.77	95.53	SP	titanite
76PL 2321	63 55	96 57	14	7088950	600866	19	61	0.23	0.00	0.70	80.99	0.63	8.41	0.11	0.12	0.24	91.44	SP	FeTi-oxide
76PL 2324	63 58	96 57	14	7093860	600637	19	62	0.27	0.00	21.34	25.62	39.16	0.19	10.66	0.01	4.36	101.62	GA	almandine
76PL 2324	63 58	96 57	14	7093860	600637	19	63	0.51	0.00	0.09	49.79	0.00	50.26	0.02	0.03	0.06	100.76	SP	ilmenite
76PL 2324	63 58	96 57	14	7093860	600637	19	64	0.51	0.00	0.15	48.97	0.00	50.77	0.02	0.07	0.00	100.49	SP	ilmenite
76PL 2324	63 58	96 57	14	7093860	600637	19	65	0.36	0.06	1.44	82.29	0.12	8.27	0.14	0.07	0.00	92.76	SP	FeTi-oxide
76PL 2324	63 58	96 57	14	7093860	600637	19	66	0.24	0.10	0.17	87.88	0.20	0.17	0.03	0.10	0.00	88.90	SP	hematite
76PL 2324	63 58	96 57	14	7093860	600637	19	67	0.48	0.08	0.07	49.66	0.00	49.82	0.01	0.09	0.45	100.67	SP	ilmenite
76PL 2324	63 58	96 57	14	7093860	600637	19	68	0.52	0.00	0.02	49.75	0.00	50.35	0.03	0.08	0.67	101.42	SP	ilmenite
76PL 2324	63 58	96 57	14	7093860	600637	19	69	0.15	0.00	1.15	77.07	0.15	12.21	0.18	0.05	0.00	90.95	SP	FeTi-oxide
76PL 2324	63 58	96 57	14	7093860	600637	19	70	0.55	0.00	0.00	47.82	0.00	49.53	0.02	0.05	0.09	98.07	SP	ilmenite
76PL 2324	63 58	96 57	14	7093860	600637	19	71	0.71	0.00	0.03	49.60	0.00	49.43	0.04	0.05	0.00	99.86	SP	ilmenite
76PL 2325	63 59	96 57	14	7095727	600252	19	72	0.63	0.00	0.12	48.45	0.00	49.85	0.19	0.06	0.85	100.14	SP	ilmenite
76PL 2325	63 59	96 57	14	7095727	600252	19	73	0.62	0.00	0.04	48.85	0.00	49.54	0.05	0.10	0.12	99.32	SP	ilmenite
76PL 2325	63 59	96 57	14	7095727	600252	19	74	0.82	0.17	0.00	49.82	0.00	50.07	0.00	0.12	0.15	101.15	SP	ilmenite
76PL 2325	63 59	96 57	14	7095727	600252	19	75	0.44	0.00	0.12	48.49	0.00	48.82	0.01	0.26	1.87	100.01	SP	ilmenite
76PL 2325	63 59	96 57	14	7095727	600252	19	76	0.63	0.00	0.19	87.74	0.00	2.25	0.05	0.06	0.00	90.91	SP	FeTi-oxide
76PL 2325	63 59	96 57	14	7095727	600252	19	77	0.50	0.11	0.12	49.56	0.03	50.16	0.11	0.04	0.57	101.19	SP	ilmenite
76PL 2325	63 59	96 57	14	7095727	600252	19	78	0.27	0.06	0.00	50.54	0.00	50.31	0.02	0.09	0.00	101.29	SP	ilmenite
76PL 2325	63 59	96 57	14	7095727	600252	19	79	0.51	0.00	0.16	49.01	0.00	51.16	0.02	0.05	0.97	101.89	SP	ilmenite
76PL 2326	63 59	96 57	14	7097349	600431	19	81	0.18	0.35	0.67	3.61	54.31	0.27	22.96	0.23	17.75	100.34	CP	diopside
76PL 2326	63 59	96 57	14	7097349	600431	19	80	0.30	0.00	21.20	24.09	38.51	0.21	11.31	0.07	4.26	99.96	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2350	63 36	96 56	14	7053965	602294	19	82	0.33	0.56	1.07	3.55	54.38	0.20	23.14	0.44	17.29	100.95	CP	diopside
76PL 2353	63 33	96 56	14	7049205	602749	19	83	2.64	0.00	22.53	25.28	37.71	0.21	10.66	0.06	2.30	101.39	GA	almandine
76PL 2353	63 33	96 56	14	7049205	602749	19	84	0.59	0.08	0.11	29.36	0.00	64.25	0.18	0.05	0.00	94.62	SP	Fe-rutile
76PL 2353	63 33	96 56	14	7049205	602749	19	85	1.22	0.00	0.16	44.77	0.00	48.12	0.04	0.02	2.28	96.62	SP	ilmenite
76PL 2400	63 37	96 54	14	7055995	603714	19	86	0.91	0.06	1.09	72.31	0.47	15.77	0.19	0.06	0.00	90.88	SP	FeTi-oxide
76PL 2400	63 37	96 54	14	7055995	603714	19	87	0.19	0.23	0.50	86.09	0.06	5.19	0.08	0.12	0.00	92.46	SP	FeTi-oxide
76PL 2402	63 39	96 54	14	7059602	603709	19	92	0.13	0.49	0.75	3.57	53.81	0.23	22.15	0.27	18.79	100.18	CP	diopside
76PL 2402	63 39	96 54	14	7059602	603709	19	93	0.19	0.30	0.66	3.31	53.82	0.17	23.70	0.64	17.17	99.95	CP	Cr-diopside
76PL 2402	63 39	96 54	14	7059602	603709	19	88	0.11	0.17	0.17	94.05	0.00	0.04	0.06	0.10	0.00	94.70	SP	magnetite
76PL 2402	63 39	96 54	14	7059602	603709	19	89	0.13	0.00	0.66	77.85	0.18	13.79	0.05	0.09	0.00	92.76	SP	FeTi-oxide
76PL 2402	63 39	96 54	14	7059602	603709	19	90	0.11	0.11	0.46	43.19	0.28	49.43	0.10	0.05	0.00	93.73	SP	ilmenite
76PL 2402	63 39	96 54	14	7059602	603709	19	91	0.80	0.13	1.01	85.60	0.46	4.98	0.06	0.09	0.25	93.37	SP	FeTi-oxide
76PL 2405	63 41	96 52	14	7062600	605600	19	95	0.24	0.32	0.77	3.69	54.83	0.22	23.35	0.53	16.41	100.37	CP	Cr-diopside
76PL 2405	63 41	96 52	14	7062600	605600	19	96	0.21	0.35	1.45	4.34	53.26	0.23	21.22	0.08	18.08	99.24	CP	diopside
76PL 2405	63 41	96 52	14	7062600	605600	19	97	0.18	0.36	1.26	4.87	54.81	0.32	20.97	0.15	17.69	100.61	CP	diopside
76PL 2405	63 41	96 52	14	7062600	605600	19	94	0.44	0.00	21.91	22.85	39.05	0.21	10.78	0.04	5.90	101.17	GA	almandine
76PL 2406	63 42	96 53	14	7065514	604828	19	100	0.03	0.61	0.47	4.09	55.09	0.19	22.46	0.14	17.23	100.31	CP	diopside
76PL 2406	63 42	96 53	14	7065514	604828	19	101	0.20	0.24	0.39	2.80	54.79	0.12	23.13	0.35	17.32	99.35	CP	diopside
76PL 2406	63 42	96 53	14	7065514	604828	19	102	0.11	0.34	0.56	2.90	54.71	0.14	21.81	0.49	18.66	99.73	CP	diopside
76PL 2406	63 42	96 53	14	7065514	604828	19	103	0.11	0.43	0.83	3.29	53.74	0.21	22.47	0.50	17.32	98.91	CP	Cr-diopside
76PL 2406	63 42	96 53	14	7065514	604828	19	104	0.12	0.24	0.41	2.22	54.43	0.24	23.29	0.38	18.73	100.06	CP	diopside
76PL 2406	63 42	96 53	14	7065514	604828	19	105	0.19	0.31	0.74	3.97	53.74	0.22	22.70	0.02	17.61	99.49	CP	diopside
76PL 2406	63 42	96 53	14	7065514	604828	19	106	0.31	0.57	1.43	5.07	52.72	0.20	22.38	0.15	16.98	99.81	CP	diopside
76PL 2406	63 42	96 53	14	7065514	604828	19	107	0.19	0.46	1.46	5.56	53.32	0.45	21.42	0.51	16.21	99.59	CP	Cr-diopside
76PL 2406	63 42	96 53	14	7065514	604828	19	98	0.67	0.10	21.32	20.88	38.07	0.45	10.63	0.11	6.64	98.87	GA	almandine
76PL 2406	63 42	96 53	14	7065514	604828	19	99	0.63	0.00	1.30	75.53	0.18	14.20	0.05	0.07	0.71	92.67	SP	FeTi-oxide
76PL 2407	63 43	96 55	14	7066592	603284	20	2	0.10	0.23	0.69	3.58	55.10	0.17	23.29	0.32	17.20	100.68	CP	diopside
76PL 2407	63 43	96 55	14	7066592	603284	20	1	0.17	0.00	1.52	76.16	0.96	12.11	0.11	0.08	1.26	92.37	SP	FeTi-oxide
76PL 2409	63 45	96 54	14	7069932	603258	20	3	0.16	0.39	0.91	4.08	54.18	0.20	22.69	0.07	16.71	99.38	CP	diopside
76PL 2411	63 46	96 55	14	7073139	602980	20	4	0.17	0.15	0.76	2.92	55.36	0.19	23.16	0.44	17.34	100.50	CP	diopside
76PL 2411	63 46	96 55	14	7073139	602980	20	5	0.23	0.28	0.76	3.37	54.77	0.14	23.92	0.05	17.27	100.80	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2419	63 53	96 54	14	7086394	602929	20	6	0.05	0.30	0.88	3.62	54.18	0.23	23.40	0.66	17.40	100.71	CP	Cr-diopside
76PL 2423	63 57	96 55	14	7092600	602000	20	26	0.20	0.15	1.08	4.69	54.12	0.12	21.88	0.06	16.88	99.17	CP	diopside
76PL 2423	63 57	96 55	14	7092600	602000	20	27	0.18	0.26	1.77	3.71	54.45	0.23	22.10	0.15	18.57	101.40	CP	diopside
76PL 2423	63 57	96 55	14	7092600	602000	20	28	0.13	0.66	0.99	3.59	54.36	0.36	23.80	0.30	16.26	100.44	CP	diopside
76PL 2423	63 57	96 55	14	7092600	602000	20	7	1.78	0.00	20.44	29.41	38.36	0.25	10.42	0.06	0.40	101.13	GA	almandine
76PL 2423	63 57	96 55	14	7092600	602000	20	8	0.37	0.01	21.31	22.93	38.60	0.20	11.47	0.04	4.63	99.56	GA	almandine
76PL 2423	63 57	96 55	14	7092600	602000	20	9	0.70	0.03	0.08	49.70	0.00	49.79	0.02	0.06	0.00	100.38	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	10	0.41	0.10	0.70	72.61	0.10	19.71	0.11	0.07	0.00	93.81	SP	FeTi-oxide
76PL 2423	63 57	96 55	14	7092600	602000	20	11	0.52	0.03	0.10	50.18	0.00	48.74	0.04	0.16	0.49	100.25	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	12	0.54	0.17	0.06	48.88	0.00	49.22	0.02	0.04	0.34	99.26	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	13	0.37	0.06	0.10	48.40	0.00	49.01	0.02	0.07	1.10	99.13	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	14	0.64	0.06	0.22	48.63	0.00	49.17	0.02	0.15	0.40	99.30	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	15	0.59	0.00	0.05	50.05	0.00	49.54	0.02	0.13	0.37	100.74	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	16	0.56	0.00	0.11	50.65	0.00	49.17	0.01	0.04	0.09	100.63	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	17	0.49	0.00	0.17	48.79	0.00	48.98	0.02	0.11	0.55	99.11	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	18	0.62	0.00	0.05	50.09	0.00	49.29	0.01	0.11	0.00	100.18	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	19	0.58	0.00	0.08	49.93	0.00	47.64	0.05	0.02	0.18	98.47	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	20	0.48	0.00	0.08	49.14	0.00	50.13	0.01	0.12	0.18	100.15	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	21	0.56	0.06	0.06	48.83	0.00	48.64	0.00	0.14	1.07	99.35	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	22	0.52	0.00	0.05	50.62	0.00	49.86	0.02	0.08	0.00	101.15	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	23	0.46	0.00	0.10	50.00	0.00	49.66	0.00	0.14	0.00	100.37	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	24	0.40	0.00	0.06	50.23	0.00	49.23	0.00	0.10	0.15	100.17	SP	ilmenite
76PL 2423	63 57	96 55	14	7092600	602000	20	25	0.48	0.08	0.06	49.29	0.00	50.00	0.00	0.08	0.34	100.33	SP	ilmenite
76PL 2424	63 58	96 55	14	7093907	602037	20	29	0.68	0.00	0.06	49.98	0.00	49.67	0.01	0.05	0.09	100.54	SP	ilmenite
76PL 2424	63 58	96 55	14	7093907	602037	20	30	0.66	0.00	0.08	49.52	0.00	49.98	0.00	0.09	0.12	100.45	SP	ilmenite
76PL 2426	63 59	96 55	14	7097397	601894	20	31	0.15	0.44	0.72	4.25	54.68	0.19	22.02	0.18	18.75	101.40	CP	diopside
76PL 2427	64 01	96 55	14	7099528	601744	20	45	0.20	0.28	0.87	4.23	54.74	0.16	21.76	0.18	17.00	99.40	CP	diopside
76PL 2427	64 01	96 55	14	7099528	601744	20	46	0.20	0.53	0.90	3.49	54.64	0.23	22.85	0.22	16.61	99.66	CP	diopside
76PL 2427	64 01	96 55	14	7099528	601744	20	32	1.29	0.01	20.12	38.81	37.60	0.12	0.89	0.07	1.63	100.52	GA	almandine
76PL 2427	64 01	96 55	14	7099528	601744	20	33	0.52	0.00	20.32	25.92	38.04	0.25	15.18	0.03	0.34	100.61	GA	almandine
76PL 2427	64 01	96 55	14	7099528	601744	20	34	0.62	0.14	0.00	48.72	0.00	49.92	0.01	0.00	0.15	99.57	SP	ilmenite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2427	64 01	96 55	14	7099528	601744	20	35	0.49	0.00	0.07	49.40	0.00	48.99	0.00	0.00	0.18	99.13	SP	ilmenite
76PL 2427	64 01	96 55	14	7099528	601744	20	36	0.59	0.08	0.04	48.99	0.00	49.38	0.03	0.08	0.15	99.36	SP	ilmenite
76PL 2427	64 01	96 55	14	7099528	601744	20	37	0.51	0.00	0.00	49.67	0.00	49.81	0.05	0.24	0.36	100.65	SP	ilmenite
76PL 2427	64 01	96 55	14	7099528	601744	20	38	0.73	0.00	0.03	49.33	0.00	49.41	0.03	0.08	0.58	100.20	SP	ilmenite
76PL 2427	64 01	96 55	14	7099528	601744	20	39	0.53	0.00	0.00	50.10	0.00	48.93	0.03	0.05	0.06	99.70	SP	ilmenite
76PL 2427	64 01	96 55	14	7099528	601744	20	40	0.66	0.00	0.03	47.90	0.00	49.32	0.01	0.12	0.76	98.79	SP	ilmenite
76PL 2427	64 01	96 55	14	7099528	601744	20	41	0.57	0.00	0.17	49.65	0.00	49.97	0.03	0.03	0.67	101.08	SP	ilmenite
76PL 2427	64 01	96 55	14	7099528	601744	20	42	0.67	0.06	0.03	48.83	0.00	48.89	0.05	0.14	1.40	100.07	SP	ilmenite
76PL 2427	64 01	96 55	14	7099528	601744	20	43	0.08	0.07	0.43	89.85	0.00	0.01	0.03	0.10	0.00	90.56	SP	hematite
76PL 2427	64 01	96 55	14	7099528	601744	20	44	0.35	0.03	2.49	81.69	0.25	6.68	0.06	0.27	0.00	91.82	SP	FeTi-oxide
76PL 2450	63 36	96 54	14	7054052	603807	20	47	0.14	0.86	1.17	3.87	55.06	0.23	22.61	0.15	17.35	101.44	CP	diopside
76PL 2451	63 35	96 54	14	7052457	604507	20	48	0.10	0.44	1.29	3.48	53.83	0.18	22.20	0.72	16.89	99.13	CP	Cr-diopside
76PL 2451	63 35	96 54	14	7052457	604507	20	49	0.14	0.30	0.89	4.47	54.27	0.35	22.42	0.18	16.79	99.79	CP	diopside
76PL 2451	63 35	96 54	14	7052457	604507	20	50	0.15	0.42	0.58	3.95	55.01	0.23	21.57	0.06	17.04	99.01	CP	diopside
76PL 2453	63 34	96 54	14	7049340	604478	20	60	0.10	0.48	0.94	3.80	54.79	0.09	22.17	0.47	17.85	100.70	CP	diopside
76PL 2453	63 34	96 54	14	7049340	604478	20	61	0.07	0.66	0.29	3.42	53.50	0.20	24.07	0.24	16.30	98.73	CP	diopside
76PL 2453	63 34	96 54	14	7049340	604478	20	62	0.22	0.92	1.52	4.87	54.05	0.12	23.03	0.63	15.35	100.72	CP	Cr-diopside
76PL 2453	63 34	96 54	14	7049340	604478	20	63	0.17	0.30	1.28	5.88	52.92	0.18	22.27	0.09	16.75	99.85	CP	diopside
76PL 2453	63 34	96 54	14	7049340	604478	20	64	0.07	0.45	0.22	2.99	55.26	0.15	24.41	0.26	16.53	100.34	CP	diopside
76PL 2453	63 34	96 54	14	7049340	604478	20	65	0.17	0.41	0.60	4.15	55.30	0.19	24.24	0.05	16.15	101.25	CP	diopside
76PL 2453	63 34	96 54	14	7049340	604478	20	66	0.09	0.47	0.90	3.70	55.05	0.21	23.24	0.18	17.08	100.91	CP	diopside
76PL 2453	63 34	96 54	14	7049340	604478	20	67	0.21	0.32	0.71	4.09	54.19	0.19	22.94	0.06	17.94	100.65	CP	diopside
76PL 2453	63 34	96 54	14	7049340	604478	20	51	0.29	0.00	20.38	34.43	36.60	0.22	6.16	0.04	2.22	100.34	GA	almandine
76PL 2453	63 34	96 54	14	7049340	604478	20	52	0.47	0.00	20.42	26.52	37.62	0.15	9.07	0.00	4.78	99.01	GA	almandine
76PL 2453	63 34	96 54	14	7049340	604478	20	53	0.58	0.00	21.40	22.61	39.17	0.44	10.94	0.08	4.70	99.93	GA	almandine
76PL 2453	63 34	96 54	14	7049340	604478	20	54	0.31	0.00	22.67	22.03	38.98	0.16	10.25	0.08	7.18	101.65	GA	almandine
76PL 2453	63 34	96 54	14	7049340	604478	20	55	0.50	0.00	21.32	22.83	37.76	0.17	12.85	0.05	3.82	99.30	GA	almandine
76PL 2453	63 34	96 54	14	7049340	604478	20	56	0.38	0.00	21.37	22.62	39.30	0.19	10.48	0.03	6.58	100.95	GA	almandine
76PL 2453	63 34	96 54	14	7049340	604478	20	57	0.48	0.00	0.56	77.80	0.22	12.58	0.09	0.12	0.00	91.84	SP	FeTi-oxide
76PL 2453	63 34	96 54	14	7049340	604478	20	58	0.77	0.00	0.44	41.04	0.12	51.79	0.06	0.06	0.03	94.30	SP	ilmenite
76PL 2453	63 34	96 54	14	7049340	604478	20	59	1.12	0.00	0.25	45.15	0.00	47.48	0.04	0.01	1.53	95.58	SP	ilmenite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2504	63 41	96 52	14	7062637	605508	20	68	0.11	0.28	0.88	3.49	54.38	0.25	23.41	0.33	16.50	99.64	CP	diopside
76PL 2504	63 41	96 52	14	7062637	605508	20	69	0.40	0.64	0.81	3.99	53.21	0.33	23.33	0.26	18.00	100.98	CP	diopside
76PL 2504	63 41	96 52	14	7062637	605508	20	70	0.19	0.34	0.46	2.43	53.67	0.21	23.63	0.86	17.33	99.11	CP	Cr-diopside
76PL 2506	63 42	96 50	14	7065393	606942	20	71	0.19	0.41	0.74	2.83	53.25	0.21	23.28	0.53	17.91	99.35	CP	Cr-diopside
76PL 2508	63 44	96 53	14	7068686	604728	20	73	0.13	0.54	0.67	3.99	54.20	0.24	22.47	0.09	16.68	99.01	CP	diopside
76PL 2508	63 44	96 53	14	7068686	604728	20	74	0.13	0.35	0.64	3.54	53.45	0.24	22.12	0.29	18.41	99.16	CP	diopside
76PL 2508	63 44	96 53	14	7068686	604728	20	75	0.14	0.34	0.77	3.78	53.85	0.22	23.17	0.18	16.63	99.09	CP	diopside
76PL 2508	63 44	96 53	14	7068686	604728	20	76	0.10	0.40	0.64	4.06	53.42	0.27	22.34	0.12	17.85	99.19	CP	diopside
76PL 2508	63 44	96 53	14	7068686	604728	20	72	19.18	0.06	20.10	21.04	37.13	0.21	0.83	0.05	0.68	99.27	GA	almandine
76PL 2510	63 46	96 53	14	7071630	604683	20	77	0.18	0.36	1.04	3.94	53.50	0.18	21.27	0.53	18.20	99.21	CP	Cr-diopside
76PL 2510	63 46	96 53	14	7071630	604683	20	78	0.15	0.43	0.59	3.39	55.15	0.16	22.66	0.35	18.34	101.22	CP	diopside
76PL 2516	63 51	96 53	14	7081692	604223	20	84	0.28	0.31	1.02	3.92	53.77	0.16	22.41	0.15	17.86	99.89	CP	diopside
76PL 2516	63 51	96 53	14	7081692	604223	20	85	0.07	0.49	1.07	4.27	53.90	0.22	22.95	0.05	17.71	100.74	CP	diopside
76PL 2516	63 51	96 53	14	7081692	604223	20	86	0.17	0.34	1.22	4.59	53.81	0.24	22.74	0.19	17.47	100.76	CP	diopside
76PL 2516	63 51	96 53	14	7081692	604223	20	87	0.07	0.48	0.48	3.42	54.44	0.15	22.95	0.27	18.29	100.54	CP	diopside
76PL 2516	63 51	96 53	14	7081692	604223	20	79	0.59	0.00	0.03	47.48	0.00	48.96	0.00	0.02	1.40	98.49	SP	ilmenite
76PL 2516	63 51	96 53	14	7081692	604223	20	80	0.54	0.00	0.38	82.25	0.24	9.06	0.08	0.03	0.00	92.56	SP	FeTi-oxide
76PL 2516	63 51	96 53	14	7081692	604223	20	81	0.35	0.03	2.92	77.32	3.30	3.18	0.11	2.06	1.42	90.67	SP	FeTi-oxide
76PL 2516	63 51	96 53	14	7081692	604223	20	82	1.03	0.06	0.26	72.91	0.02	17.31	0.07	0.03	0.00	91.69	SP	FeTi-oxide
76PL 2516	63 51	96 53	14	7081692	604223	20	83	0.59	0.08	0.06	50.46	0.00	49.48	0.03	0.05	0.00	100.77	SP	ilmenite
76PL 2518	63 52	96 53	14	7084610	604178	20	88	0.22	0.17	0.65	3.78	53.51	0.30	23.02	0.23	18.07	99.96	CP	diopside
76PL 2519	63 53	96 53	14	7086275	604267	20	90	0.10	0.20	0.90	3.90	53.76	0.18	22.27	0.19	17.99	99.49	CP	diopside
76PL 2519	63 53	96 53	14	7086275	604267	20	91	0.18	0.60	0.95	4.69	54.25	0.35	23.38	0.26	16.04	100.71	CP	diopside
76PL 2519	63 53	96 53	14	7086275	604267	20	92	0.24	0.48	0.57	2.98	53.87	0.15	23.81	0.65	17.11	99.87	CP	Cr-diopside
76PL 2519	63 53	96 53	14	7086275	604267	20	89	0.54	0.08	0.05	49.38	0.00	49.53	0.00	0.13	0.24	99.95	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	1	0.57	0.00	0.10	47.63	0.00	51.21	0.00	0.14	1.62	101.27	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	2	0.65	0.00	0.10	49.46	0.00	49.92	0.04	0.16	0.03	100.36	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	3	0.59	0.08	0.00	48.84	0.00	51.10	0.04	0.09	0.49	101.23	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	4	0.56	0.05	0.08	48.31	0.00	50.36	0.02	0.08	0.31	99.77	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	5	0.64	0.00	0.03	48.84	0.00	50.72	0.02	0.15	0.95	101.37	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	6	0.49	0.00	0.13	49.52	0.00	50.40	0.02	0.06	0.28	100.90	SP	ilmenite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2521	63 55	96 53	14	7089376	603735	21	7	0.56	0.08	0.00	48.11	0.00	49.63	0.01	0.16	0.62	99.18	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	8	0.61	0.16	0.11	47.50	0.00	49.85	0.04	0.07	1.27	99.62	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	9	0.60	0.00	0.05	48.44	0.00	50.20	0.02	0.09	0.46	99.86	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	10	0.59	0.00	0.00	49.02	0.00	50.31	0.00	0.13	0.21	100.27	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	11	0.57	0.11	0.07	48.58	0.00	49.65	0.02	0.13	0.31	99.44	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	12	0.52	0.00	0.00	49.00	0.00	50.00	0.00	0.06	0.98	100.56	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	13	0.81	0.03	0.16	48.92	0.00	50.67	0.02	0.17	0.03	100.80	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	14	0.52	0.00	0.11	47.70	0.00	48.98	0.03	0.06	1.18	98.58	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	15	0.42	0.11	0.16	47.91	0.00	50.12	0.06	0.09	0.98	99.85	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	16	0.57	0.00	0.04	47.62	0.00	50.04	0.03	0.05	0.30	98.66	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	17	0.66	0.00	0.15	46.95	0.00	50.71	0.00	0.10	0.85	99.43	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	18	0.53	0.08	0.18	49.16	0.00	49.77	0.02	0.04	0.43	100.21	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	19	0.79	0.13	0.00	48.20	0.00	50.46	0.06	0.14	0.39	100.17	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	20	0.60	0.06	0.17	47.78	0.00	49.88	0.03	0.10	1.16	99.78	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	21	0.74	0.00	0.05	49.29	0.00	49.48	0.03	0.05	0.27	99.92	SP	ilmenite
76PL 2521	63 55	96 53	14	7089376	603735	21	22	0.52	0.00	0.11	48.88	0.00	51.38	0.01	0.09	0.39	101.38	SP	ilmenite
76PL 2523	63 57	96 53	14	7092600	603700	21	23	0.43	0.03	0.39	80.53	0.52	10.26	0.08	0.11	0.17	92.51	SP	FeTi-oxide
76PL 2523	63 57	96 53	14	7092600	603700	21	24	0.47	0.08	0.27	47.93	0.00	49.35	0.06	0.17	2.73	101.06	SP	ilmenite
76PL 2523	63 57	96 53	14	7092600	603700	21	25	0.70	0.00	0.00	48.10	0.00	49.87	0.03	0.17	0.00	98.88	SP	ilmenite
76PL 2523	63 57	96 53	14	7092600	603700	21	26	0.64	0.00	0.03	47.71	0.00	50.18	0.00	0.05	0.00	98.61	SP	ilmenite
76PL 2523	63 57	96 53	14	7092600	603700	21	27	0.46	0.00	0.07	49.61	0.00	50.45	0.03	0.07	0.18	100.87	SP	ilmenite
76PL 2523	63 57	96 53	14	7092600	603700	21	28	0.58	0.00	0.12	48.21	0.00	49.91	0.04	0.05	0.31	99.21	SP	ilmenite
76PL 2524	63 57	96 53	14	7093844	603718	21	29	0.54	0.00	0.05	47.83	0.00	50.52	0.00	0.12	0.46	99.52	SP	ilmenite
76PL 2524	63 57	96 53	14	7093844	603718	21	30	0.55	0.14	0.14	49.15	0.00	50.07	0.03	0.07	0.00	100.15	SP	ilmenite
76PL 2524	63 57	96 53	14	7093844	603718	21	31	0.72	0.00	0.17	49.01	0.00	50.62	0.03	0.08	0.33	100.96	SP	ilmenite
76PL 2553	63 33	96 52	14	7049103	606034	21	34	0.25	0.70	0.84	3.91	53.88	0.15	24.00	0.05	17.63	101.40	CP	diopside
76PL 2553	63 33	96 52	14	7049103	606034	21	35	0.08	0.58	0.98	3.88	53.22	0.30	23.04	0.61	17.06	99.74	CP	Cr-diopside
76PL 2553	63 33	96 52	14	7049103	606034	21	32	0.75	0.00	20.79	27.64	38.11	0.24	10.62	0.07	1.39	99.62	GA	almandine
76PL 2553	63 33	96 52	14	7049103	606034	21	33	0.87	0.00	21.21	20.42	39.51	0.16	10.03	0.03	7.87	100.09	GA	almandine
76PL 2604	63 41	96 51	14	7062411	606504	21	36	17.17	0.03	21.37	23.38	37.53	0.21	0.74	0.05	0.84	101.30	GA	almandine
76PL 2604	63 41	96 51	14	7062411	606504	21	37	0.21	0.47	0.40	71.16	0.40	17.73	0.10	0.18	0.27	90.91	SP	FeTi-oxide

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2604	63 41	96 51	14	7062411	606504	21	38	0.44	0.00	0.31	75.72	0.09	12.15	0.08	0.09	0.00	88.87	SP	FeTi-oxide
76PL 2605	63 41	96 49	14	7063840	607895	21	39	0.27	0.23	0.09	81.36	0.00	5.14	0.15	0.07	0.00	87.30	SP	FeTi-oxide
76PL 2605	63 41	96 49	14	7063840	607895	21	40	0.19	0.00	0.19	85.09	0.18	0.18	0.04	0.13	0.00	85.99	SP	hematite
76PL 2606	63 42	96 49	14	7065401	608279	21	42	0.15	0.29	0.83	2.99	54.93	0.13	22.63	0.20	18.41	100.56	CP	diopside
76PL 2606	63 42	96 49	14	7065401	608279	21	41	0.53	0.00	0.05	48.51	0.00	50.27	0.00	0.11	0.15	99.63	SP	ilmenite
76PL 2608	63 44	96 51	14	7068781	606317	21	43	0.15	0.24	0.65	3.59	55.57	0.22	22.24	0.19	18.23	101.09	CP	diopside
76PL 2609	63 45	96 51	14	7071108	606384	21	44	0.08	0.21	0.77	3.58	53.95	0.22	23.40	0.08	17.90	100.20	CP	diopside
76PL 2610	63 46	96 50	14	7072082	607145	21	45	0.15	0.37	0.84	3.53	55.00	0.29	23.31	0.62	16.91	101.03	CP	Cr-diopside
76PL 2616	63 51	96 51	14	7081582	605803	21	51	0.07	0.29	0.92	3.07	55.38	0.16	23.08	0.32	18.12	101.40	CP	diopside
76PL 2616	63 51	96 51	14	7081582	605803	21	46	2.44	0.05	21.93	27.02	37.57	0.16	8.09	0.03	3.03	100.32	GA	almandine
76PL 2616	63 51	96 51	14	7081582	605803	21	47	0.69	0.03	0.03	48.35	0.00	50.17	0.00	0.08	0.27	99.62	SP	ilmenite
76PL 2616	63 51	96 51	14	7081582	605803	21	48	0.21	0.00	23.68	14.62	0.13	0.19	0.07	46.00	16.24	101.13	SP	chromite
76PL 2616	63 51	96 51	14	7081582	605803	21	49	0.64	0.11	0.07	48.21	0.00	49.74	0.02	0.04	0.03	98.85	SP	ilmenite
76PL 2616	63 51	96 51	14	7081582	605803	21	50	0.50	0.00	0.04	47.65	0.00	50.27	0.03	0.08	0.79	99.38	SP	ilmenite
76PL 2617	63 52	96 51	14	7083111	605715	21	52	0.19	0.09	0.57	72.78	0.08	19.44	0.09	0.04	0.00	93.28	SP	FeTi-oxide
76PL 2619	63 53	96 51	14	7086450	605320	21	53	0.39	0.02	0.08	49.46	0.00	50.59	0.03	0.08	0.48	101.14	SP	ilmenite
76PL 2620	63 54	96 51	14	7088021	605118	21	62	0.18	0.23	1.12	3.23	54.42	0.19	22.04	0.61	17.16	99.17	CP	Cr-diopside
76PL 2620	63 54	96 51	14	7088021	605118	21	63	0.18	0.67	0.93	3.77	55.53	0.24	22.58	0.25	16.37	100.54	CP	diopside
76PL 2620	63 54	96 51	14	7088021	605118	21	54	0.48	0.00	0.07	48.34	0.00	50.62	0.01	0.02	0.79	100.32	SP	ilmenite
76PL 2620	63 54	96 51	14	7088021	605118	21	55	0.50	0.00	0.10	48.66	0.00	50.85	0.02	0.05	0.46	100.63	SP	ilmenite
76PL 2620	63 54	96 51	14	7088021	605118	21	56	0.47	0.02	0.07	49.28	0.00	49.95	0.04	0.12	0.36	100.31	SP	ilmenite
76PL 2620	63 54	96 51	14	7088021	605118	21	57	0.48	0.00	0.01	47.44	0.00	50.19	0.03	0.03	0.79	98.98	SP	ilmenite
76PL 2620	63 54	96 51	14	7088021	605118	21	58	0.55	0.00	0.16	48.56	0.00	50.29	0.00	0.10	0.39	100.05	SP	ilmenite
76PL 2620	63 54	96 51	14	7088021	605118	21	59	0.60	0.03	0.05	48.57	0.00	49.57	0.03	0.11	0.52	99.47	SP	ilmenite
76PL 2620	63 54	96 51	14	7088021	605118	21	60	0.47	0.13	0.09	47.76	0.00	50.42	0.01	0.13	1.00	100.00	SP	ilmenite
76PL 2620	63 54	96 51	14	7088021	605118	21	61	0.66	0.00	0.01	48.80	0.00	49.31	0.04	0.08	0.12	99.02	SP	ilmenite
76PL 2621	63 55	96 51	14	7089321	605085	21	64	0.24	0.10	0.22	86.69	0.09	4.69	0.07	0.05	0.00	92.15	SP	FeTi-oxide
76PL 2621	63 55	96 51	14	7089321	605085	21	65	0.96	0.05	0.31	46.98	0.00	48.90	0.01	0.07	1.31	98.60	SP	ilmenite
76PL 2621	63 55	96 51	14	7089321	605085	21	66	0.53	0.00	0.00	48.10	0.00	50.20	0.04	0.05	0.64	99.57	SP	ilmenite
76PL 2621	63 55	96 51	14	7089321	605085	21	67	0.02	0.00	0.01	0.02	0.00	99.91	0.02	0.27	0.00	100.25	SP	rutile
76PL 2621	63 55	96 51	14	7089321	605085	21	68	0.66	0.00	0.09	48.52	0.00	50.74	0.04	0.09	0.33	100.48	SP	ilmenite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2623	63 57	96 51	14	7092500	605600	21	77	0.16	0.37	1.06	4.80	55.12	0.17	21.68	0.07	17.46	100.88	CP	diopside
76PL 2623	63 57	96 51	14	7092500	605600	21	78	0.10	1.19	1.15	3.42	54.66	0.08	22.88	0.49	15.53	99.50	CP	diopside
76PL 2623	63 57	96 51	14	7092500	605600	21	69	0.57	0.00	0.09	48.96	0.00	50.66	0.05	0.08	0.15	100.56	SP	ilmenite
76PL 2623	63 57	96 51	14	7092500	605600	21	70	0.77	0.00	0.07	48.83	0.00	49.18	0.00	0.10	0.54	99.49	SP	ilmenite
76PL 2623	63 57	96 51	14	7092500	605600	21	71	0.76	0.00	0.07	49.01	0.00	48.47	0.05	0.04	0.00	98.39	SP	ilmenite
76PL 2623	63 57	96 51	14	7092500	605600	21	72	0.43	0.09	0.07	47.91	0.00	48.98	0.02	0.06	0.44	98.00	SP	ilmenite
76PL 2623	63 57	96 51	14	7092500	605600	21	73	0.60	0.00	0.02	47.43	0.00	50.05	0.02	0.03	0.00	98.15	SP	ilmenite
76PL 2623	63 57	96 51	14	7092500	605600	21	74	0.70	0.00	0.08	49.34	0.00	49.37	0.02	0.11	0.10	99.73	SP	ilmenite
76PL 2623	63 57	96 51	14	7092500	605600	21	75	0.66	0.06	0.02	47.02	0.00	48.72	0.05	0.07	1.09	97.70	SP	ilmenite
76PL 2623	63 57	96 51	14	7092500	605600	21	76	0.57	0.09	0.13	49.41	0.00	49.32	0.00	0.06	0.45	100.03	SP	ilmenite
76PL 2624	63 58	96 52	14	7094479	604853	21	79	0.51	0.00	0.07	48.34	0.00	48.80	0.02	0.09	0.35	98.18	SP	ilmenite
76PL 2624	63 58	96 52	14	7094479	604853	21	80	0.45	0.00	0.13	49.27	0.00	49.05	0.04	0.09	0.00	99.04	SP	ilmenite
76PL 2624	63 58	96 52	14	7094479	604853	21	81	0.62	0.00	0.09	47.83	0.00	48.71	0.03	0.10	0.59	97.99	SP	ilmenite
76PL 2624	63 58	96 52	14	7094479	604853	21	82	0.48	0.00	0.15	48.70	0.00	49.00	0.03	0.07	0.90	99.33	SP	ilmenite
76PL 2624	63 58	96 52	14	7094479	604853	21	83	0.80	0.00	0.07	48.02	0.00	49.32	0.00	0.04	0.59	98.84	SP	ilmenite
76PL 2624	63 58	96 52	14	7094479	604853	21	84	0.52	0.00	0.20	47.77	0.00	47.62	0.03	0.05	0.28	96.48	SP	ilmenite
76PL 2624	63 58	96 52	14	7094479	604853	21	85	0.65	0.03	0.09	47.78	0.00	48.16	0.01	0.02	0.25	96.99	SP	ilmenite
76PL 2624	63 58	96 52	14	7094479	604853	21	86	0.70	0.00	0.12	47.65	0.00	48.90	0.05	0.03	0.50	97.94	SP	ilmenite
76PL 2625	63 58	96 51	14	7095521	605028	21	87	0.13	0.69	0.89	3.98	52.95	0.36	22.92	0.43	16.25	98.59	CP	diopside
76PL 2627	64 01	96 51	14	7099740	604980	21	88	0.51	0.00	0.00	48.29	0.00	50.06	0.06	0.07	0.69	99.69	SP	ilmenite
76PL 2627	64 01	96 51	14	7099740	604980	21	89	0.36	0.23	0.24	82.94	0.21	5.32	0.09	0.11	0.00	89.50	SP	FeTi-oxide
76PL 2627	64 01	96 51	14	7099740	604980	21	90	0.46	0.00	0.06	47.76	0.00	49.27	0.02	0.05	0.88	98.49	SP	ilmenite
76PL 2627	64 01	96 51	14	7099740	604980	21	91	0.73	0.08	0.00	48.15	0.00	50.77	0.01	0.07	0.76	100.56	SP	ilmenite
76PL 2627	64 01	96 51	14	7099740	604980	21	92	0.68	0.00	0.11	48.37	0.00	50.77	0.00	0.12	0.61	100.66	SP	ilmenite
76PL 2627	64 01	96 51	14	7099740	604980	21	93	0.64	0.00	0.08	49.74	0.00	49.81	0.00	0.08	0.03	100.36	SP	ilmenite
76PL 2627	64 01	96 51	14	7099740	604980	21	94	0.81	0.00	0.04	48.03	0.00	51.11	0.03	0.08	0.31	100.41	SP	ilmenite
76PL 2627	64 01	96 51	14	7099740	604980	21	95	0.32	0.00	0.03	48.86	0.00	50.40	0.02	0.10	0.73	100.46	SP	ilmenite
76PL 2627	64 01	96 51	14	7099740	604980	21	96	0.02	0.09	0.89	74.73	0.19	16.69	0.13	0.06	0.00	92.80	SP	FeTi-oxide
76PL 2627	64 01	96 51	14	7099740	604980	21	97	0.77	0.16	0.11	49.28	0.00	49.30	0.02	0.12	0.27	100.04	SP	ilmenite
76PL 2650	63 36	96 50	14	7054002	607143	21	98	23.23	0.01	20.69	13.00	38.37	0.22	3.56	0.08	1.69	100.86	GA	spessartine
76PL 2650	63 36	96 50	14	7054002	607143	21	99	0.17	0.10	0.10	87.02	0.00	0.11	0.05	0.22	0.00	87.78	SP	hematite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2650	63 36	96 50	14	7054002	607143	21	100	1.10	0.19	1.23	78.72	0.01	8.01	0.05	0.10	0.86	90.27	SP	FeTi-oxide
76PL 2651	63 35	96 50	14	7052296	607284	22	1	0.14	0.85	0.74	5.20	53.19	0.16	22.21	0.11	16.47	99.08	CP	diopside
76PL 2652	63 34	96 50	14	7050563	607310	22	2	0.14	0.30	0.68	3.35	53.71	0.27	22.81	0.27	17.65	99.18	CP	diopside
76PL 2653	63 33	96 50	14	7048999	607563	22	7	0.26	0.27	0.63	3.33	55.64	0.23	22.74	0.21	17.54	100.85	CP	diopside
76PL 2653	63 33	96 50	14	7048999	607563	22	8	0.19	0.71	0.97	3.77	53.80	0.20	22.31	0.16	16.96	99.07	CP	diopside
76PL 2653	63 33	96 50	14	7048999	607563	22	3	0.70	0.00	21.25	22.00	38.22	0.19	12.83	0.06	4.05	99.31	GA	almandine
76PL 2653	63 33	96 50	14	7048999	607563	22	4	0.41	0.00	13.87	16.39	0.00	0.25	0.00	55.29	13.51	99.72	SP	chromite
76PL 2653	63 33	96 50	14	7048999	607563	22	5	6.20	0.00	0.10	34.93	0.02	51.41	0.04	0.00	4.04	96.74	SP	ilmenite
76PL 2653	63 33	96 50	14	7048999	607563	22	6	1.36	0.00	2.21	74.41	0.02	9.54	0.07	0.06	0.65	88.32	SP	FeTi-oxide
76PL 2701	63 38	96 48	14	7057449	608770	22	9	0.53	0.00	0.82	80.56	0.23	6.27	0.15	0.11	0.00	88.67	SP	FeTi-oxide
76PL 2703	63 40	96 46	14	7060670	610159	22	11	0.23	0.29	0.95	4.01	55.19	0.20	22.55	0.21	16.65	100.28	CP	diopside
76PL 2703	63 40	96 46	14	7060670	610159	22	12	0.19	0.41	0.82	3.61	54.61	0.22	22.77	0.38	18.05	101.07	CP	diopside
76PL 2703	63 40	96 46	14	7060670	610159	22	13	0.06	0.32	0.46	2.89	54.81	0.32	23.58	0.27	16.78	99.49	CP	diopside
76PL 2703	63 40	96 46	14	7060670	610159	22	14	0.08	0.24	0.91	3.24	53.56	0.22	23.54	0.59	17.38	99.78	CP	Cr-diopside
76PL 2703	63 40	96 46	14	7060670	610159	22	10	0.50	0.05	20.87	25.98	37.44	0.20	12.92	0.12	1.51	99.59	GA	almandine
76PL 2705	63 41	96 47	14	7064178	609926	22	19	0.18	0.51	0.98	3.52	54.30	0.28	23.83	0.66	16.93	101.18	CP	Cr-diopside
76PL 2705	63 41	96 47	14	7064178	609926	22	20	0.17	0.38	0.82	3.26	53.48	0.27	23.45	0.60	18.39	100.83	CP	Cr-diopside
76PL 2705	63 41	96 47	14	7064178	609926	22	21	0.17	0.20	0.73	3.73	53.71	0.26	23.31	0.50	17.06	99.67	CP	Cr-diopside
76PL 2705	63 41	96 47	14	7064178	609926	22	22	0.17	0.20	0.77	3.51	54.22	0.19	23.29	0.39	17.10	99.85	CP	diopside
76PL 2705	63 41	96 47	14	7064178	609926	22	23	0.19	0.31	1.09	4.11	52.84	0.19	22.97	0.39	17.58	99.67	CP	diopside
76PL 2705	63 41	96 47	14	7064178	609926	22	24	0.14	0.41	1.09	3.09	53.01	0.22	22.46	0.63	18.09	99.14	CP	Cr-diopside
76PL 2705	63 41	96 47	14	7064178	609926	22	25	0.10	0.24	0.76	3.68	54.77	0.23	22.73	0.11	17.56	100.17	CP	diopside
76PL 2705	63 41	96 47	14	7064178	609926	22	26	0.17	0.32	0.87	3.63	55.04	0.29	22.82	0.55	16.51	100.20	CP	Cr-diopside
76PL 2705	63 41	96 47	14	7064178	609926	22	15	0.35	0.12	0.34	76.45	0.13	15.11	0.10	0.12	0.00	92.74	SP	FeTi-oxide
76PL 2705	63 41	96 47	14	7064178	609926	22	16	0.69	0.00	0.25	89.62	0.14	0.22	0.03	0.83	0.00	91.79	SP	hematite
76PL 2705	63 41	96 47	14	7064178	609926	22	17	0.58	0.07	0.16	89.58	0.03	0.30	0.06	0.85	0.00	91.63	SP	hematite
76PL 2705	63 41	96 47	14	7064178	609926	22	18	0.96	0.00	0.14	49.93	0.00	49.94	0.01	0.08	0.00	101.06	SP	ilmenite
76PL 2706	63 42	96 47	14	7065271	609770	22	27	1.17	0.11	20.69	25.56	38.79	0.26	7.81	0.09	4.98	99.45	GA	almandine
76PL 2706	63 42	96 47	14	7065271	609770	22	28	0.38	0.06	0.48	69.83	0.18	20.20	0.09	0.09	0.06	91.36	SP	FeTi-oxide
76PL 2706	63 42	96 47	14	7065271	609770	22	29	0.17	0.00	0.00	74.35	0.06	17.00	0.04	0.07	0.00	91.69	SP	FeTi-oxide
76PL 2706	63 42	96 47	14	7065271	609770	22	30	0.26	0.00	0.74	74.55	0.09	11.86	0.13	0.07	0.00	87.70	SP	FeTi-oxide

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2707	63 43	96 49	14	7067019	608228	22	32	0.13	0.17	0.94	3.73	54.32	0.29	22.88	0.65	16.78	99.87	CP	Cr-diopside
76PL 2707	63 43	96 49	14	7067019	608228	22	31	0.15	0.00	0.19	89.46	0.28	0.38	0.08	0.10	0.00	90.64	SP	hematite
76PL 2708	63 44	96 49	14	7069162	607928	22	33	0.04	0.59	0.93	4.05	55.43	0.28	21.76	0.12	15.36	98.56	CP	diopside
76PL 2710	63 45	96 49	14	7071427	607651	22	35	0.12	0.27	0.65	3.31	54.18	0.16	23.21	0.27	17.16	99.33	CP	diopside
76PL 2710	63 45	96 49	14	7071427	607651	22	36	0.19	0.34	0.71	4.11	53.00	0.31	22.65	0.31	17.17	98.78	CP	diopside
76PL 2710	63 45	96 49	14	7071427	607651	22	37	0.22	0.37	1.24	4.31	55.17	0.28	21.66	0.34	16.29	99.88	CP	diopside
76PL 2710	63 45	96 49	14	7071427	607651	22	38	0.18	0.32	0.72	3.11	55.16	0.19	23.61	0.47	17.12	100.89	CP	diopside
76PL 2710	63 45	96 49	14	7071427	607651	22	39	0.08	0.40	1.13	4.55	53.95	0.26	22.53	0.05	16.39	99.34	CP	diopside
76PL 2710	63 45	96 49	14	7071427	607651	22	40	0.10	0.35	0.86	3.33	55.60	0.19	21.89	0.84	16.67	99.83	CP	Cr-diopside
76PL 2710	63 45	96 49	14	7071427	607651	22	41	0.10	0.38	0.71	3.31	56.28	0.27	21.27	0.68	15.43	98.45	CP	Cr-diopside
76PL 2710	63 45	96 49	14	7071427	607651	22	34	0.92	0.00	0.48	74.06	0.27	19.49	0.08	0.15	0.00	95.45	SP	FeTi-oxide
76PL 2711	63 46	96 48	14	7073065	608084	22	44	0.07	0.38	0.43	3.08	54.43	0.12	22.73	0.07	18.89	100.20	CP	diopside
76PL 2711	63 46	96 48	14	7073065	608084	22	42	1.54	0.00	0.70	70.25	0.34	17.56	0.07	0.07	0.00	90.53	SP	FeTi-oxide
76PL 2711	63 46	96 48	14	7073065	608084	22	43	0.08	0.24	0.19	88.39	0.00	0.02	0.03	0.10	0.00	89.04	SP	hematite
76PL 2716	63 51	96 48	14	7082113	608009	22	45	0.35	0.00	0.27	70.94	0.00	24.96	0.00	0.04	0.33	96.89	SP	FeTi-oxide
76PL 2716	63 51	96 48	14	7082113	608009	22	46	0.71	0.00	0.11	48.39	0.01	49.75	0.06	0.11	0.12	99.25	SP	ilmenite
76PL 2716	63 51	96 48	14	7082113	608009	22	47	0.52	0.00	0.00	48.82	0.00	50.29	0.05	0.11	0.34	100.14	SP	ilmenite
76PL 2718	63 52	96 49	14	7084569	607284	22	48	0.14	0.16	0.89	3.95	53.13	0.16	22.33	0.19	17.58	98.53	CP	diopside
76PL 2720	63 54	96 50	14	7087696	606739	22	49	0.73	0.16	0.14	47.41	0.00	50.88	0.04	0.02	0.24	99.63	SP	ilmenite
76PL 2720	63 54	96 50	14	7087696	606739	22	50	0.52	0.08	0.02	48.13	0.00	50.58	0.02	0.04	0.49	99.88	SP	ilmenite
76PL 2720	63 54	96 50	14	7087696	606739	22	51	0.12	0.06	0.36	86.66	0.18	4.16	0.04	0.09	0.00	91.67	SP	FeTi-oxide
76PL 2720	63 54	96 50	14	7087696	606739	22	52	0.35	0.00	0.01	49.47	0.00	50.67	0.00	0.10	0.39	100.99	SP	ilmenite
76PL 2720	63 54	96 50	14	7087696	606739	22	53	0.54	0.00	1.13	71.20	0.19	18.91	0.12	0.10	0.00	92.20	SP	FeTi-oxide
76PL 2720	63 54	96 50	14	7087696	606739	22	54	0.33	0.00	1.19	76.10	0.43	15.26	0.11	0.04	0.00	93.46	SP	FeTi-oxide
76PL 2725	63 58	96 49	14	7095730	606616	22	55	0.51	0.00	0.15	47.14	0.00	49.73	0.01	0.12	0.84	98.50	SP	ilmenite
76PL 2725	63 58	96 49	14	7095730	606616	22	56	0.60	0.00	0.00	48.27	0.00	51.01	0.05	0.11	0.88	100.91	SP	ilmenite
76PL 2725	63 58	96 49	14	7095730	606616	22	57	0.64	0.08	0.17	48.98	0.00	50.24	0.03	0.12	0.24	100.50	SP	ilmenite
76PL 2725	63 58	96 49	14	7095730	606616	22	58	0.66	0.05	0.05	47.79	0.00	49.14	0.05	0.17	1.18	99.10	SP	ilmenite
76PL 2725	63 58	96 49	14	7095730	606616	22	59	0.61	0.00	0.05	49.60	0.00	50.03	0.04	0.12	0.12	100.57	SP	ilmenite
76PL 2725	63 58	96 49	14	7095730	606616	22	60	0.38	0.16	0.06	48.97	0.00	49.05	0.01	0.09	0.39	99.11	SP	ilmenite
76PL 2725	63 58	96 49	14	7095730	606616	22	61	0.66	0.02	0.03	49.40	0.00	50.09	0.04	0.13	0.12	100.50	SP	ilmenite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2725	63 58	96 49	14	7095730	606616	22	62	0.67	0.13	0.11	48.38	0.00	50.52	0.00	0.05	0.00	99.87	SP	ilmenite
76PL 2725	63 58	96 49	14	7095730	606616	22	63	0.60	0.19	0.09	46.72	0.01	50.04	0.06	0.22	1.05	98.98	SP	ilmenite
76PL 2750	63 36	96 48	14	7054047	608835	22	66	0.10	0.26	0.65	3.21	53.71	0.18	22.98	0.39	17.48	98.95	CP	diopside
76PL 2750	63 36	96 48	14	7054047	608835	22	67	0.19	0.43	0.61	3.61	54.32	0.22	23.21	0.10	17.83	100.53	CP	diopside
76PL 2750	63 36	96 48	14	7054047	608835	22	64	19.96	0.00	21.00	20.17	36.23	0.15	0.63	0.07	0.44	98.65	GA	almandine
76PL 2750	63 36	96 48	14	7054047	608835	22	65	0.37	0.00	22.13	22.07	39.70	0.17	10.37	0.03	6.56	101.41	GA	almandine
76PL 2753	63 33	96 48	14	7049151	609152	22	68	0.05	0.00	21.39	26.84	38.58	0.28	8.20	0.11	4.51	99.96	GA	almandine
76PL 2753	63 33	96 48	14	7049151	609152	22	69	1.43	0.00	21.20	25.75	38.37	0.17	12.82	0.03	1.06	100.84	GA	almandine
76PL 2800	63 37	96 47	14	7055800	610200	22	74	0.11	0.13	0.62	3.05	54.00	0.22	23.10	0.34	17.48	99.04	CP	diopside
76PL 2800	63 37	96 47	14	7055800	610200	22	75	0.22	0.32	0.88	4.21	54.48	0.26	22.01	0.28	17.20	99.86	CP	diopside
76PL 2800	63 37	96 47	14	7055800	610200	22	70	1.06	0.00	21.71	20.27	39.07	0.29	9.89	0.06	6.46	98.80	GA	almandine
76PL 2800	63 37	96 47	14	7055800	610200	22	71	0.09	0.00	22.49	22.31	39.66	0.19	9.80	0.03	6.40	100.98	GA	almandine
76PL 2800	63 37	96 47	14	7055800	610200	22	72	0.82	0.00	1.58	74.98	0.50	11.99	0.19	0.05	0.00	90.11	SP	FeTi-oxide
76PL 2800	63 37	96 47	14	7055800	610200	22	73	0.68	0.21	1.79	75.84	0.42	13.20	0.09	0.08	0.00	92.30	SP	FeTi-oxide
76PL 2802	63 39	96 47	14	7058972	609981	22	76	0.19	0.21	0.82	3.32	55.80	0.24	22.79	0.58	16.36	100.32	CP	Cr-diopside
76PL 2803	63 40	96 45	14	7060755	611532	22	78	0.12	0.62	0.61	3.41	54.28	0.54	23.88	0.53	16.04	100.04	CP	Cr-diopside
76PL 2803	63 40	96 45	14	7060755	611532	22	79	0.19	0.35	1.06	3.27	54.05	0.26	23.27	0.58	17.24	100.26	CP	Cr-diopside
76PL 2803	63 40	96 45	14	7060755	611532	22	80	0.17	0.42	1.69	3.90	54.28	0.16	22.86	0.85	15.68	100.01	CP	Cr-diopside
76PL 2803	63 40	96 45	14	7060755	611532	22	77	0.18	0.00	0.17	95.07	0.00	0.01	0.06	0.07	0.00	95.57	SP	magnetite
76PL 2804	63 40	96 46	14	7062339	610120	22	81	0.25	0.24	0.73	3.15	54.75	0.22	22.92	0.33	16.71	99.28	CP	diopside
76PL 2805	63 41	96 45	14	7063769	611549	22	82	0.58	0.00	20.93	23.08	39.65	0.28	10.29	0.08	5.17	100.06	GA	almandine
76PL 2805	63 41	96 45	14	7063769	611549	22	83	0.31	0.00	9.58	13.38	0.32	0.35	0.08	62.23	15.12	101.38	SP	chromite ¹
76PL 2806	63 42	96 45	14	7065073	611338	22	85	0.19	0.23	0.74	3.53	53.23	0.21	22.92	0.27	17.59	98.91	CP	diopside
76PL 2806	63 42	96 45	14	7065073	611338	22	86	0.11	0.33	0.56	3.10	53.23	0.19	22.62	0.15	18.42	98.71	CP	diopside
76PL 2806	63 42	96 45	14	7065073	611338	22	84	0.49	0.00	1.12	78.00	0.15	9.49	0.17	0.10	0.00	89.53	SP	FeTi-oxide
76PL 2807	63 43	96 47	14	7066698	609735	22	89	0.13	0.29	1.02	3.48	54.78	0.27	23.19	0.33	16.75	100.24	CP	diopside
76PL 2807	63 43	96 47	14	7066698	609735	22	90	0.12	0.23	0.69	3.90	54.17	0.25	22.70	0.40	17.11	99.58	CP	diopside
76PL 2807	63 43	96 47	14	7066698	609735	22	91	0.14	0.23	0.72	3.78	53.92	0.19	22.42	0.05	17.16	98.61	CP	diopside
76PL 2807	63 43	96 47	14	7066698	609735	22	92	0.13	0.37	0.82	3.44	54.71	0.30	22.95	0.51	16.92	100.14	CP	Cr-diopside
76PL 2807	63 43	96 47	14	7066698	609735	22	93	0.17	0.49	0.61	3.12	53.12	0.30	23.62	0.50	17.43	99.35	CP	Cr-diopside
76PL 2807	63 43	96 47	14	7066698	609735	22	87	0.60	0.06	1.36	70.72	0.15	13.50	0.06	0.17	0.61	87.23	SP	FeTi-oxide

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2807	63 43	96 47	14	7066698	609735	22	88	0.13	0.00	2.32	70.64	0.04	15.23	0.26	0.09	0.03	88.74	SP	FeTi-oxide
76PL 2808	63 44	96 47	14	7068227	609291	22	94	0.07	0.30	0.60	2.93	54.82	0.18	23.25	0.44	16.64	99.22	CP	diopside
76PL 2808	63 44	96 47	14	7068227	609291	22	95	0.14	0.12	0.64	2.92	55.44	0.21	22.53	0.61	16.59	99.19	CP	Cr-diopside
76PL 2808	63 44	96 47	14	7068227	609291	22	96	0.08	0.30	0.54	2.66	54.73	0.21	23.12	0.24	18.22	100.09	CP	diopside
76PL 2808	63 44	96 47	14	7068227	609291	22	97	0.26	0.45	1.23	3.68	53.88	0.25	21.88	0.83	16.68	99.15	CP	Cr-diopside
76PL 2809	63 44	96 47	14	7068869	609549	22	98	0.10	0.74	1.25	3.80	54.38	0.37	22.04	0.32	15.63	98.63	CP	diopside
76PL 2809	63 44	96 47	14	7068869	609549	22	99	0.14	0.29	0.56	3.41	54.85	0.20	23.01	0.37	17.53	100.36	CP	diopside
76PL 2811	63 47	96 47	14	7073685	609411	23	2	0.07	0.64	0.69	2.70	54.63	0.18	22.80	0.65	17.64	100.00	CP	Cr-diopside
76PL 2811	63 47	96 47	14	7073685	609411	23	1	0.55	0.00	0.03	48.65	0.00	49.66	0.00	0.13	0.06	99.10	SP	ilmenite
76PL 2815	63 50	96 47	14	7079919	609125	23	3	0.11	0.36	0.47	3.34	54.61	0.16	23.58	0.28	17.22	100.13	CP	diopside
76PL 2817	63 52	96 47	14	7083204	608883	23	7	0.04	0.39	1.17	4.30	54.79	0.24	22.70	0.13	15.96	99.73	CP	diopside
76PL 2817	63 52	96 47	14	7083204	608883	23	8	0.08	0.40	0.69	3.28	54.02	0.32	23.17	0.50	16.99	99.45	CP	Cr-diopside
76PL 2817	63 52	96 47	14	7083204	608883	23	9	0.14	0.24	1.36	3.63	54.72	0.18	22.73	0.14	17.10	100.24	CP	diopside
76PL 2817	63 52	96 47	14	7083204	608883	23	10	0.25	0.35	1.21	5.79	54.29	0.30	21.48	0.07	16.28	100.01	CP	diopside
76PL 2817	63 52	96 47	14	7083204	608883	23	11	0.17	0.32	1.27	5.02	54.28	0.29	20.14	0.09	17.30	98.88	CP	diopside
76PL 2817	63 52	96 47	14	7083204	608883	23	4	0.59	0.00	0.10	49.17	0.00	50.03	0.01	0.13	0.06	100.09	SP	ilmenite
76PL 2817	63 52	96 47	14	7083204	608883	23	5	0.59	0.00	0.12	48.86	0.00	49.80	0.05	0.13	0.31	99.84	SP	ilmenite
76PL 2817	63 52	96 47	14	7083204	608883	23	6	0.58	0.00	0.08	48.08	0.00	50.63	0.00	0.11	0.03	99.51	SP	ilmenite
76PL 2818	63 53	96 47	14	7084802	608795	23	18	0.10	0.64	0.88	4.27	54.24	0.34	22.86	0.15	17.15	100.62	CP	diopside
76PL 2818	63 53	96 47	14	7084802	608795	23	19	0.06	0.85	0.53	4.33	53.65	0.40	22.19	0.49	17.00	99.48	CP	diopside
76PL 2818	63 53	96 47	14	7084802	608795	23	20	0.25	0.54	1.61	3.78	52.73	0.22	22.20	0.26	17.33	98.92	CP	diopside
76PL 2818	63 53	96 47	14	7084802	608795	23	12	0.49	0.00	0.14	47.44	0.00	50.07	0.01	0.00	0.94	99.09	SP	ilmenite
76PL 2818	63 53	96 47	14	7084802	608795	23	13	0.64	0.00	0.00	49.39	0.00	49.62	0.02	0.15	0.98	100.81	SP	ilmenite
76PL 2818	63 53	96 47	14	7084802	608795	23	14	0.56	0.00	0.08	47.06	0.00	51.46	0.01	0.07	0.82	100.05	SP	ilmenite
76PL 2818	63 53	96 47	14	7084802	608795	23	15	0.52	0.03	0.05	48.14	0.00	49.50	0.00	0.14	0.40	98.78	SP	ilmenite
76PL 2818	63 53	96 47	14	7084802	608795	23	16	0.50	0.03	0.08	47.85	0.00	49.63	0.01	0.11	0.82	99.03	SP	ilmenite
76PL 2818	63 53	96 47	14	7084802	608795	23	17	0.42	0.00	0.14	47.75	0.00	49.94	0.02	0.09	0.79	99.14	SP	ilmenite
76PL 2820	63 54	96 47	14	7088259	608525	23	21	0.14	0.95	0.70	2.81	53.70	0.10	21.86	0.85	18.82	99.94	CP	Cr-diopside
76PL 2821	63 55	96 47	14	7089137	608474	23	22	0.35	0.00	21.73	23.06	39.10	0.10	10.71	0.02	5.42	100.48	GA	almandine
76PL 2821	63 55	96 47	14	7089137	608474	23	23	0.70	0.00	0.01	49.64	0.00	49.09	0.00	0.08	0.12	99.65	SP	ilmenite
76PL 2824	63 58	96 47	14	7094696	608146	23	24	0.51	0.00	0.03	50.03	0.00	49.59	0.02	0.06	0.18	100.42	SP	ilmenite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2826	64 00	96 48	14	7098762	607940	23	25	0.51	0.08	0.03	48.62	0.00	49.49	0.02	0.19	0.40	99.35	SP	ilmenite
76PL 2826	64 00	96 48	14	7098762	607940	23	26	0.48	0.00	0.01	48.67	0.00	49.69	0.03	0.11	0.09	99.08	SP	ilmenite
76PL 2826	64 00	96 48	14	7098762	607940	23	27	0.51	0.03	0.12	48.59	0.00	50.52	0.03	0.04	1.15	100.99	SP	ilmenite
76PL 2826	64 00	96 48	14	7098762	607940	23	28	0.69	0.00	0.01	48.93	0.00	50.09	0.01	0.11	0.55	100.39	SP	ilmenite
76PL 2826	64 00	96 48	14	7098762	607940	23	29	0.55	0.05	0.08	49.37	0.00	49.24	0.02	0.07	0.18	99.56	SP	ilmenite
76PL 2826	64 00	96 48	14	7098762	607940	23	30	0.61	0.00	0.03	48.86	0.00	48.99	0.02	0.04	0.46	99.00	SP	ilmenite
76PL 2826	64 00	96 48	14	7098762	607940	23	31	0.46	0.05	0.02	50.08	0.00	49.64	0.04	0.10	0.37	100.75	SP	ilmenite
76PL 2826	64 00	96 48	14	7098762	607940	23	32	0.50	0.00	0.10	48.67	0.00	49.08	0.02	0.13	1.22	99.71	SP	ilmenite
76PL 2826	64 00	96 48	14	7098762	607940	23	33	0.49	0.16	0.15	48.40	0.00	50.18	0.00	0.12	0.00	99.50	SP	ilmenite
76PL 2826	64 00	96 48	14	7098762	607940	23	34	0.73	0.08	0.00	48.52	0.00	49.34	0.02	0.14	0.36	99.20	SP	ilmenite
76PL 2826	64 00	96 48	14	7098762	607940	23	35	0.39	0.06	0.05	48.31	0.00	49.58	0.02	0.11	0.00	98.52	SP	ilmenite
76PL 2826	64 00	96 48	14	7098762	607940	23	36	0.54	0.08	0.00	49.05	0.00	49.42	0.04	0.07	0.55	99.74	SP	ilmenite
76PL 2826	64 00	96 48	14	7098762	607940	23	37	0.66	0.03	0.03	48.35	0.00	49.63	0.00	0.08	0.00	98.79	SP	ilmenite
76PL 2900	63 37	96 45	14	7055914	611708	23	38	0.36	0.00	21.16	21.51	39.14	0.20	9.98	0.00	6.80	99.15	GA	almandine
76PL 2900	63 37	96 45	14	7055914	611708	23	39	1.06	0.07	21.44	23.10	38.66	0.22	10.63	0.03	4.61	99.82	GA	almandine
76PL 2900	63 37	96 45	14	7055914	611708	23	40	0.32	0.00	21.43	21.88	38.29	0.19	10.67	0.01	5.76	98.55	GA	almandine
76PL 2900	63 37	96 45	14	7055914	611708	23	41	0.61	0.00	0.20	47.86	0.00	50.11	0.05	0.14	0.55	99.51	SP	ilmenite
76PL 2903	63 40	96 42	14	7061074	613665	23	42	0.15	0.34	1.10	4.20	53.67	0.28	22.82	0.30	16.22	99.09	CP	diopside
76PL 2903	63 40	96 42	14	7061074	613665	23	43	0.09	0.22	0.71	3.60	55.21	0.24	23.32	0.60	16.62	100.60	CP	Cr-diopside
76PL 2903	63 40	96 42	14	7061074	613665	23	44	0.19	0.17	0.84	3.87	54.04	0.22	22.13	0.20	17.35	99.01	CP	diopside
76PL 2903	63 40	96 42	14	7061074	613665	23	45	0.18	0.37	0.76	3.46	54.63	0.26	22.47	0.61	16.47	99.22	CP	Cr-diopside
76PL 2903	63 40	96 42	14	7061074	613665	23	46	0.15	0.43	0.81	3.49	55.63	0.32	21.56	0.75	15.57	98.71	CP	Cr-diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	47	0.11	0.30	0.51	2.52	54.78	0.26	23.03	0.40	17.49	99.42	CP	diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	48	0.23	0.23	0.78	3.73	53.72	0.22	23.25	0.60	16.01	98.76	CP	Cr-diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	49	0.18	0.39	0.64	2.93	55.66	0.19	22.56	0.30	16.47	99.33	CP	diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	50	0.09	0.29	0.54	3.10	54.70	0.16	23.33	0.16	17.97	100.32	CP	diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	51	0.19	0.40	0.73	4.32	54.89	0.28	21.87	0.40	16.34	99.42	CP	diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	52	0.17	0.32	0.58	4.46	54.27	0.35	21.56	0.16	17.09	98.97	CP	diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	53	0.15	0.53	0.78	4.02	54.77	0.33	23.24	0.21	16.20	100.23	CP	diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	54	0.14	0.41	0.84	4.48	52.88	0.28	22.99	0.10	17.08	99.20	CP	diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	55	0.17	0.38	0.69	2.57	54.77	0.17	23.37	0.52	18.41	101.06	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2905	63 41	96 43	14	7063600	613200	23	56	0.06	0.15	0.65	2.75	54.13	0.18	23.22	0.35	17.55	99.04	CP	diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	57	0.09	0.20	0.68	3.56	54.12	0.19	23.01	0.21	17.36	99.40	CP	diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	58	0.15	0.50	0.83	3.60	54.07	0.28	23.48	0.54	16.96	100.41	CP	Cr-diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	59	0.10	0.39	1.11	4.39	53.06	0.26	21.96	0.45	17.27	98.97	CP	diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	60	0.25	0.27	0.71	2.89	54.57	0.10	23.64	0.40	17.12	99.95	CP	diopside
76PL 2906	63 42	96 43	14	7064730	613100	23	61	1.80	0.14	0.11	48.89	0.00	49.08	0.03	0.03	0.00	100.08	SP	ilmenite
76PL 2907	63 43	96 45	14	7066718	610995	23	63	0.17	0.51	1.52	5.18	52.73	0.30	22.98	0.08	16.04	99.51	CP	diopside
76PL 2907	63 43	96 45	14	7066718	610995	23	64	0.13	0.27	0.78	3.53	54.01	0.18	22.98	0.36	16.35	98.59	CP	diopside
76PL 2907	63 43	96 45	14	7066718	610995	23	65	0.14	0.24	0.82	2.70	54.56	0.14	21.42	0.73	18.91	99.65	CP	Cr-diopside
76PL 2907	63 43	96 45	14	7066718	610995	23	62	0.35	0.04	3.87	13.05	0.11	0.35	0.08	67.54	15.49	100.87	SP	chromite¹
76PL 2908	63 44	96 45	14	7069471	611398	23	66	0.11	0.48	0.74	3.82	55.13	0.32	21.88	0.27	16.70	99.45	CP	diopside
76PL 2908	63 44	96 45	14	7069471	611398	23	67	0.19	0.92	1.27	3.09	54.56	0.17	21.47	0.99	16.61	99.26	CP	Cr-diopside
76PL 2908	63 44	96 45	14	7069471	611398	23	68	0.22	0.28	0.74	3.38	53.61	0.27	23.34	0.50	17.05	99.39	CP	Cr-diopside
76PL 2908	63 44	96 45	14	7069471	611398	23	69	0.09	0.31	0.59	3.31	55.33	0.22	22.98	0.37	16.47	99.67	CP	diopside
76PL 2908	63 44	96 45	14	7069471	611398	23	70	0.15	0.33	1.04	4.09	53.45	0.25	22.50	0.36	17.19	99.37	CP	diopside
76PL 2909	63 45	96 45	14	7070566	611330	23	73	0.17	0.32	0.56	2.71	55.12	0.17	23.85	0.47	16.90	100.27	CP	diopside
76PL 2909	63 45	96 45	14	7070566	611330	23	71	0.25	0.00	21.73	25.23	39.22	0.12	8.52	0.06	5.67	100.80	GA	almandine
76PL 2909	63 45	96 45	14	7070566	611330	23	72	0.21	0.00	0.08	90.75	0.02	0.06	0.03	0.08	0.00	91.24	SP	magnetite
76PL 2911	63 47	96 45	14	7074179	610880	23	76	0.11	0.77	1.12	3.23	53.53	0.16	21.96	0.16	18.09	99.14	CP	diopside
76PL 2911	63 47	96 45	14	7074179	610880	23	74	0.39	0.09	21.61	23.75	39.25	0.20	10.11	0.06	5.76	101.21	GA	almandine
76PL 2911	63 47	96 45	14	7074179	610880	23	75	0.39	0.00	21.78	25.03	38.76	0.16	8.78	0.07	5.76	100.74	GA	almandine
76PL 2915	63 49	96 46	14	7078546	610189	23	78	0.14	0.23	0.69	3.44	53.72	0.21	23.00	0.28	17.21	98.92	CP	diopside
76PL 2915	63 49	96 46	14	7078546	610189	23	77	0.56	0.06	0.16	49.47	0.00	49.94	0.02	0.02	0.28	100.50	SP	ilmenite
76PL 2917	63 52	96 45	14	7083550	610647	23	80	0.10	0.92	1.43	3.78	53.78	0.28	22.68	0.18	17.43	100.57	CP	diopside
76PL 2917	63 52	96 45	14	7083550	610647	23	81	0.13	0.38	0.49	2.41	54.95	0.21	24.14	0.40	17.37	100.48	CP	diopside
76PL 2917	63 52	96 45	14	7083550	610647	23	82	0.10	0.33	1.34	4.24	53.55	0.32	22.26	0.71	16.86	99.70	CP	Cr-diopside
76PL 2917	63 52	96 45	14	7083550	610647	23	79	0.56	0.00	0.08	49.12	0.00	50.25	0.04	0.11	0.49	100.65	SP	ilmenite
76PL 2919	63 54	96 45	14	7088331	610726	23	83	0.14	0.40	0.71	3.89	54.02	0.34	22.52	0.27	16.56	98.86	CP	diopside
76PL 2919	63 54	96 45	14	7088331	610726	23	84	0.14	0.51	0.93	4.49	54.51	0.14	21.81	0.11	16.97	99.63	CP	diopside
76PL 2920	63 54	96 45	14	7088188	610168	23	85	0.10	0.35	0.79	3.45	55.89	0.23	21.76	0.54	16.79	99.90	CP	Cr-diopside
76PL 2923	63 57	96 45	14	7092455	609937	23	86	0.17	0.46	1.02	3.84	54.66	0.18	21.42	0.21	16.77	98.72	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 2926	63 60	96 45	14	7097915	609879	23	87	0.13	0.61	1.04	3.67	53.65	0.27	23.11	0.18	17.26	99.92	CP	diopside
76PL 2926	63 60	96 45	14	7097915	609879	23	88	0.13	0.20	0.66	3.22	55.54	0.22	23.23	0.36	16.93	100.49	CP	diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	89	0.18	0.59	0.84	4.39	55.68	0.24	21.90	0.37	16.86	101.05	CP	diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	90	0.28	0.37	0.70	3.97	54.40	0.27	22.44	0.26	16.91	99.60	CP	diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	91	0.14	0.36	0.70	4.07	54.49	0.22	22.09	0.10	17.00	99.18	CP	diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	92	0.10	0.26	0.52	3.61	54.92	0.28	22.94	0.24	16.75	99.61	CP	diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	93	0.14	0.36	1.16	5.13	54.83	0.26	21.92	0.12	16.62	100.52	CP	diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	94	0.21	0.59	0.98	4.16	54.13	0.16	22.47	0.08	17.65	100.44	CP	diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	95	0.14	0.46	0.68	3.79	55.34	0.20	22.49	0.09	17.80	100.99	CP	diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	96	0.14	0.69	1.62	4.11	52.59	0.26	20.75	0.80	17.80	98.75	CP	Cr-diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	97	0.15	0.40	0.94	2.93	53.52	0.19	22.99	0.58	17.19	98.90	CP	Cr-diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	98	0.15	0.40	0.62	3.79	53.77	0.25	22.06	0.15	18.01	99.21	CP	diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	99	0.21	0.40	0.68	3.17	53.39	0.25	23.29	0.57	16.64	98.60	CP	Cr-diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	100	0.18	0.47	1.05	4.14	53.80	0.26	22.68	0.23	16.46	99.26	CP	diopside
76PL 3021	63 55	96 44	14	7090179	611525	24	1	0.30	0.00	0.12	91.63	0.00	0.02	0.03	0.39	0.00	92.48	SP	magnetite
76PL 3022	63 56	96 43	14	7091652	611579	24	2	0.46	0.03	0.25	48.56	0.00	50.28	0.01	0.07	0.24	99.90	IL	ilmenite
76PL 3022	63 56	96 43	14	7091652	611579	24	3	0.62	0.11	0.07	49.00	0.00	49.52	0.00	0.08	0.09	99.49	IL	ilmenite
76PL 3024	63 58	96 43	14	7094738	611735	24	4	0.11	0.78	1.13	3.96	54.16	0.30	23.04	0.29	16.19	99.97	CP	diopside
76PL 3024	63 58	96 43	14	7094738	611735	24	5	0.09	0.75	1.28	3.40	54.20	0.31	23.37	0.58	15.27	99.25	CP	Cr-diopside
76PL 3025	63 59	96 43	14	7096200	612000	24	6	0.37	0.03	0.00	48.08	0.00	50.23	0.03	0.08	0.70	99.52	SP	ilmenite
76PL 3026	63 59	96 43	14	7097383	611732	24	8	0.10	0.62	1.18	4.07	53.69	0.29	21.94	0.08	17.03	99.00	CP	diopside
76PL 3026	63 59	96 43	14	7097383	611732	24	9	0.15	0.42	0.84	3.54	53.34	0.30	22.57	0.27	17.17	98.61	CP	diopside
76PL 3026	63 59	96 43	14	7097383	611732	24	10	0.14	0.49	0.79	4.23	53.45	0.38	23.32	0.22	16.45	99.45	CP	diopside
76PL 3026	63 59	96 43	14	7097383	611732	24	11	0.17	0.97	1.49	3.61	54.02	0.20	22.11	0.36	16.77	99.69	CP	diopside
76PL 3026	63 59	96 43	14	7097383	611732	24	12	0.07	0.69	0.97	3.64	54.36	0.31	22.07	0.24	17.05	99.41	CP	diopside
76PL 3026	63 59	96 43	14	7097383	611732	24	13	0.23	0.63	0.67	3.26	53.83	0.27	22.07	0.60	17.08	98.65	CP	Cr-diopside
76PL 3026	63 59	96 43	14	7097383	611732	24	14	0.11	0.70	1.19	3.59	54.48	0.30	22.23	0.26	16.15	99.01	CP	diopside
76PL 3026	63 59	96 43	14	7097383	611732	24	15	0.15	0.50	1.03	3.97	53.61	0.34	22.98	0.40	15.65	98.64	CP	diopside
76PL 3026	63 59	96 43	14	7097383	611732	24	16	0.11	0.80	0.88	3.59	53.35	0.14	23.09	0.29	17.58	99.83	CP	diopside
76PL 3026	63 59	96 43	14	7097383	611732	24	17	0.06	0.60	0.92	3.23	53.77	0.34	23.58	0.65	18.06	101.22	CP	Cr-diopside
76PL 3026	63 59	96 43	14	7097383	611732	24	18	0.22	0.59	0.87	3.55	54.41	0.26	22.91	0.18	18.05	101.03	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 3026	63 59	96 43	14	7097383	611732	24	19	0.13	0.50	0.97	3.87	54.69	0.22	22.97	0.26	16.95	100.55	CP	diopside
76PL 3026	63 59	96 43	14	7097383	611732	24	20	0.18	0.49	1.08	4.14	54.07	0.32	23.33	0.17	15.87	99.64	CP	diopside
76PL 3026	63 59	96 43	14	7097383	611732	24	7	0.24	0.00	22.15	20.87	38.69	0.33	10.76	0.15	6.93	100.11	GA	almandine
76PL 3053	63 33	96 43	14	7049296	613566	24	21	0.46	0.01	20.95	26.14	38.57	0.38	9.94	0.13	4.39	100.96	GA	almandine
76PL 3153	63 34	96 41	14	7049693	614935	24	22	0.08	0.81	0.61	3.67	54.15	0.25	22.74	0.09	16.57	98.99	CP	diopside
76PL 3220	63 54	96 40	14	7087955	614474	24	23	0.59	0.03	0.03	49.07	0.00	50.28	0.04	0.06	0.09	100.20	SP	ilmenite
76PL 3220	63 54	96 40	14	7087955	614474	24	24	0.70	0.00	0.15	48.22	0.00	50.47	0.02	0.02	1.13	100.72	SP	ilmenite
76PL 3220	63 54	96 40	14	7087955	614474	24	25	0.16	0.00	0.73	71.90	0.06	17.20	0.03	0.07	0.00	90.13	SP	FeTi-oxide
76PL 3220	63 54	96 40	14	7087955	614474	24	26	0.58	0.00	0.15	48.23	0.00	50.73	0.08	0.12	0.55	100.44	SP	ilmenite
76PL 3220	63 54	96 40	14	7087955	614474	24	27	0.46	0.28	0.43	74.37	0.00	17.30	0.10	0.08	0.10	93.13	SP	FeTi-oxide
76PL 3220	63 54	96 40	14	7087955	614474	24	28	0.56	0.05	0.09	49.06	0.00	51.09	0.07	0.00	0.31	101.23	SP	ilmenite
76PL 3220	63 54	96 40	14	7087955	614474	24	29	0.63	0.14	0.03	48.17	0.00	51.37	0.02	0.06	0.62	101.03	SP	ilmenite
76PL 3220	63 54	96 40	14	7087955	614474	24	30	0.65	0.08	0.12	48.43	0.00	49.79	0.06	0.05	0.21	99.39	SP	ilmenite
76PL 3220	63 54	96 40	14	7087955	614474	24	31	0.72	0.08	0.14	47.89	0.00	49.87	0.00	0.09	0.06	98.85	SP	ilmenite
76PL 3221	63 55	96 40	14	7089924	614418	24	32	0.69	0.08	0.19	47.69	0.00	50.52	0.01	0.17	1.37	100.72	SP	ilmenite
76PL 3221	63 55	96 40	14	7089924	614418	24	33	0.46	0.00	0.03	49.51	0.00	50.59	0.01	0.04	0.00	100.64	SP	ilmenite
76PL 3221	63 55	96 40	14	7089924	614418	24	34	0.63	0.00	0.00	48.54	0.00	50.13	0.02	0.09	1.22	100.63	SP	ilmenite
76PL 3221	63 55	96 40	14	7089924	614418	24	35	0.47	0.00	0.10	48.83	0.00	49.66	0.06	0.06	0.70	99.87	SP	ilmenite
76PL 3221	63 55	96 40	14	7089924	614418	24	36	0.50	0.00	0.15	47.44	0.00	49.64	0.03	0.08	0.73	98.56	SP	ilmenite
76PL 3221	63 55	96 40	14	7089924	614418	24	37	0.84	0.08	0.00	49.09	0.00	50.62	0.02	0.08	0.00	100.73	SP	ilmenite
76PL 3221	63 55	96 40	14	7089924	614418	24	38	0.50	0.00	0.20	49.32	0.00	50.13	0.03	0.11	0.52	100.81	SP	ilmenite
76PL 3221	63 55	96 40	14	7089924	614418	24	39	0.56	0.08	0.14	47.33	0.00	51.07	0.07	0.08	1.63	100.97	SP	ilmenite
76PL 3253	63 33	96 39	14	7049738	617009	24	40	0.13	0.53	0.64	2.85	55.80	0.20	23.31	0.34	17.21	101.00	CP	diopside
76PL 3353	63 33	96 37	14	7049674	618664	24	41	0.46	0.00	21.69	24.53	37.96	0.20	11.06	0.03	4.17	100.10	GA	almandine
76PL 3353	63 33	96 37	14	7049674	618664	24	42	19.04	0.00	21.48	21.99	36.73	0.13	0.37	0.06	0.57	100.38	GA	almandine
76PL 3620	63 54	96 31	14	7088485	621949	24	44	0.11	0.41	0.88	3.84	53.68	0.33	23.07	0.26	16.77	99.34	CP	diopside
76PL 3620	63 54	96 31	14	7088485	621949	24	43	0.64	0.00	0.16	49.84	0.00	50.05	0.00	0.14	0.37	101.20	SP	ilmenite
76PL 3722	63 56	96 30	14	7091017	622929	24	45	0.13	0.52	0.94	3.89	53.49	0.37	23.64	0.18	16.80	99.94	CP	diopside
76PL 3722	63 56	96 30	14	7091017	622929	24	46	0.25	0.77	0.96	3.80	53.56	0.28	23.14	0.27	17.30	100.32	CP	diopside
76PL 3722	63 56	96 30	14	7091017	622929	24	47	0.14	0.53	0.87	3.98	54.04	0.36	23.04	0.35	17.81	101.12	CP	diopside
76PL 3722	63 56	96 30	14	7091017	622929	24	48	0.11	0.38	0.69	3.03	53.52	0.32	22.88	0.54	18.10	99.59	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 3818	63 53	96 28	14	7085900	624800	24	50	0.13	0.61	0.88	4.09	53.70	0.38	22.76	0.19	15.55	98.29	CP	diopside
76PL 3818	63 53	96 28	14	7085900	624800	24	51	0.07	0.65	1.22	3.52	55.94	0.22	20.75	0.32	16.89	99.58	CP	diopside
76PL 3818	63 53	96 28	14	7085900	624800	24	52	0.14	0.23	0.70	3.35	54.30	0.23	23.17	0.29	18.32	100.74	CP	diopside
76PL 3818	63 53	96 28	14	7085900	624800	24	53	0.09	0.77	1.12	3.95	56.37	0.19	22.14	0.28	16.65	101.55	CP	diopside
76PL 3818	63 53	96 28	14	7085900	624800	24	49	24.89	0.00	20.28	15.17	36.30	0.20	1.76	0.08	0.58	99.26	GA	spessartine
76PL 3820	63 54	96 27	14	7087813	625040	24	55	0.21	0.62	0.91	3.71	53.67	0.28	23.05	0.21	16.13	98.79	CP	diopside
76PL 3820	63 54	96 27	14	7087813	625040	24	56	0.10	0.53	1.11	4.26	55.45	0.38	22.23	0.41	15.90	100.38	CP	diopside
76PL 3820	63 54	96 27	14	7087813	625040	24	54	0.66	0.00	0.09	49.31	0.00	50.47	0.04	0.13	0.52	101.22	SP	ilmenite
76PL 3821	63 55	96 27	14	7089813	624996	24	57	0.02	0.75	1.03	3.89	53.62	0.29	23.18	0.21	15.94	98.94	CP	diopside
76PL 3821	63 55	96 27	14	7089813	624996	24	58	0.10	0.82	1.26	4.03	54.63	0.24	22.00	0.21	16.70	100.00	CP	diopside
76PL 3918	63 52	96 25	14	7085400	626600	24	59	0.25	0.39	0.97	3.47	54.31	0.23	23.01	0.34	16.54	99.52	CP	diopside
76PL 3918	63 52	96 25	14	7085400	626600	24	60	0.15	0.73	1.18	3.64	56.18	0.14	21.81	0.24	16.33	100.43	CP	diopside
76PL 3920	63 54	96 26	14	7087384	625746	24	61	1.52	0.00	21.66	23.27	39.28	0.27	9.59	0.05	5.30	100.94	GA	almandine
76PL 3920	63 54	96 26	14	7087384	625746	24	62	0.54	0.03	0.01	49.13	0.00	50.04	0.00	0.12	0.06	99.92	SP	ilmenite
76PL 3920	63 54	96 26	14	7087384	625746	24	63	0.58	0.11	0.11	49.37	0.00	49.58	0.03	0.05	0.21	100.06	SP	ilmenite
76PL 3921	63 55	96 26	14	7089517	626032	24	64	0.22	0.44	1.62	4.73	53.85	0.22	21.64	0.15	16.80	99.66	CP	diopside
76PL 3921	63 55	96 26	14	7089517	626032	24	65	0.15	0.64	0.97	3.94	53.02	0.34	23.09	0.22	16.45	98.83	CP	diopside
76PL 3921	63 55	96 26	14	7089517	626032	24	66	0.17	0.91	0.78	4.10	54.32	0.32	22.92	0.28	16.23	100.03	CP	diopside
76PL 3921	63 55	96 26	14	7089517	626032	24	67	0.15	0.44	1.11	4.21	53.17	0.40	23.42	0.25	15.98	99.13	CP	diopside
76PL 4018	63 52	96 23	14	7085500	628200	24	69	0.17	0.31	1.05	4.43	52.97	0.28	21.71	0.25	18.14	99.32	CP	diopside
76PL 4018	63 52	96 23	14	7085500	628200	24	70	0.13	0.54	1.31	4.25	53.82	0.37	22.69	0.31	16.54	99.96	CP	diopside
76PL 4018	63 52	96 23	14	7085500	628200	24	68	0.80	0.05	0.09	48.25	0.00	49.45	0.04	0.09	0.00	98.77	SP	ilmenite
76PL 4020	63 54	96 24	14	7088381	627997	24	71	0.17	0.82	1.01	3.59	53.94	0.32	22.84	0.34	17.59	100.61	CP	diopside
76PL 4020	63 54	96 24	14	7088381	627997	24	72	0.10	0.47	2.58	3.39	52.67	0.22	21.43	1.34	16.83	99.03	CP	Cr-diopside
76PL 4020	63 54	96 24	14	7088381	627997	24	73	0.23	0.79	0.91	4.72	53.36	0.47	23.33	0.14	15.16	99.13	CP	diopside
76PL 4021	63 55	96 23	14	7089739	628447	24	76	0.11	0.51	0.98	3.89	54.11	0.26	23.08	0.32	16.07	99.34	CP	diopside
76PL 4021	63 55	96 23	14	7089739	628447	24	77	0.11	0.61	1.38	4.16	54.30	0.42	22.50	0.42	16.03	99.94	CP	diopside
76PL 4021	63 55	96 23	14	7089739	628447	24	78	0.10	0.67	1.52	4.19	55.65	0.34	21.21	0.20	16.18	100.06	CP	diopside
76PL 4021	63 55	96 23	14	7089739	628447	24	79	0.07	0.49	0.94	4.26	55.59	0.34	22.38	0.22	15.44	99.73	CP	diopside
76PL 4021	63 55	96 23	14	7089739	628447	24	74	3.60	0.00	21.40	24.04	37.00	0.27	13.50	0.07	0.81	100.69	GA	almandine
76PL 4021	63 55	96 23	14	7089739	628447	24	75	0.45	0.00	0.10	48.82	0.00	49.20	0.00	0.05	0.31	98.92	SP	ilmenite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 4118	63 52	96 20	14	7085300	630700	24	80	0.06	0.67	0.97	4.04	54.51	0.20	22.63	0.24	16.94	100.24	CP	diopside
76PL 4119	63 53	96 11	14	7086700	638000	24	81	0.18	0.51	1.47	4.45	54.17	0.28	19.98	0.07	16.43	97.54	CP	diopside
76PL 4119	63 53	96 11	14	7086700	638000	24	82	0.19	0.76	1.16	3.72	54.13	0.22	21.77	0.39	17.46	99.82	CP	diopside
76PL 4121	63 55	96 21	14	7090313	629723	24	84	0.17	0.75	0.90	3.85	54.78	0.20	21.63	0.29	16.87	99.44	CP	diopside
76PL 4121	63 55	96 21	14	7090313	629723	24	85	0.09	0.74	1.54	3.99	53.68	0.25	22.25	0.16	16.32	99.00	CP	diopside
76PL 4121	63 55	96 21	14	7090313	629723	24	86	0.19	0.68	1.31	3.81	55.20	0.30	22.20	0.39	17.08	101.18	CP	diopside
76PL 4121	63 55	96 21	14	7090313	629723	24	87	0.22	0.63	1.05	4.46	52.36	0.28	22.66	0.18	17.12	98.96	CP	diopside
76PL 4121	63 55	96 21	14	7090313	629723	24	83	0.84	0.00	22.31	24.90	37.56	0.30	11.14	0.02	3.52	100.59	GA	almandine
76PL 4125	63 58	96 22	14	7096403	628764	24	88	0.09	1.04	1.65	3.38	53.64	0.26	21.85	0.46	16.93	99.31	CP	diopside
76PL 4125	63 58	96 22	14	7096403	628764	24	89	0.17	0.51	1.00	3.62	53.59	0.22	23.15	0.50	16.75	99.50	CP	Cr-diopside
76PL 4126	63 59	96 22	14	7098110	629056	24	90	0.78	0.00	0.00	84.66	0.00	3.47	0.10	0.03	0.00	89.05	SP	FeTi-oxide
76PL 4127	64 00	96 22	14	7099728	628529	24	91	0.60	0.00	0.12	48.67	0.00	50.55	0.04	0.20	0.21	100.38	SP	ilmenite
76PL 4153	63 34	96 20	14	7050736	632559	24	93	0.17	0.28	0.77	3.03	53.31	0.21	23.72	0.68	17.04	99.21	CP	Cr-diopside
76PL 4153	63 34	96 20	14	7050736	632559	24	92	0.54	0.17	0.06	48.73	0.00	50.00	0.03	0.07	0.34	99.93	SP	ilmenite
76PL 4219	63 53	96 18	14	7087200	632200	24	95	0.26	0.79	1.07	3.30	54.91	0.20	21.71	0.48	17.50	100.21	CP	diopside
76PL 4219	63 53	96 18	14	7087200	632200	24	96	0.11	0.66	1.23	3.64	53.75	0.28	22.77	0.67	16.35	99.44	CP	Cr-diopside
76PL 4219	63 53	96 18	14	7087200	632200	24	97	0.10	0.41	1.24	3.92	53.47	0.32	22.81	0.46	15.85	98.57	CP	diopside
76PL 4219	63 53	96 18	14	7087200	632200	24	98	0.14	0.51	0.75	4.16	53.48	0.28	22.76	0.33	16.67	99.07	CP	diopside
76PL 4219	63 53	96 18	14	7087200	632200	24	99	0.28	0.57	0.94	4.16	54.49	0.32	22.98	0.20	16.21	100.14	CP	diopside
76PL 4219	63 53	96 18	14	7087200	632200	24	100	0.10	0.44	1.11	4.58	55.56	0.45	19.78	0.13	15.69	97.84	CP	diopside
76PL 4219	63 53	96 18	14	7087200	632200	24	101	0.13	0.15	0.36	3.07	54.04	0.24	22.71	0.10	18.58	99.36	CP	diopside
76PL 4219	63 53	96 18	14	7087200	632200	24	102	0.10	0.37	0.89	3.06	53.03	0.38	24.06	0.64	17.48	100.01	CP	Cr-diopside
76PL 4219	63 53	96 18	14	7087200	632200	24	103	0.08	0.82	1.23	3.96	54.14	0.18	22.33	0.17	16.52	99.44	CP	diopside
76PL 4219	63 53	96 18	14	7087200	632200	24	94	1.82	0.00	21.08	24.66	39.36	0.15	10.05	0.04	4.18	101.34	GA	almandine
76PL 4221	63 55	96 20	14	7090353	631085	25	3	0.07	0.70	1.16	4.05	54.90	0.32	23.32	0.29	16.40	101.22	CP	diopside
76PL 4221	63 55	96 20	14	7090353	631085	25	4	0.22	0.49	0.91	3.33	53.45	0.25	23.07	0.35	16.90	98.98	CP	diopside
76PL 4221	63 55	96 20	14	7090353	631085	25	5	0.23	0.58	1.16	3.83	54.55	0.24	22.52	0.41	16.81	100.33	CP	diopside
76PL 4221	63 55	96 20	14	7090353	631085	25	1	0.58	0.00	0.11	48.66	0.00	48.41	0.02	0.09	1.67	99.56	SP	ilmenite
76PL 4221	63 55	96 20	14	7090353	631085	25	2	0.48	0.00	0.00	49.84	0.00	50.15	0.02	0.10	0.00	100.59	SP	ilmenite
76PL 4222	63 56	96 19	14	7091297	631566	25	6	0.64	0.00	0.00	48.97	0.00	50.30	0.01	0.07	0.06	100.05	SP	ilmenite
76PL 4318	63 52	96 17	14	7085300	633400	25	7	0.10	0.69	1.17	3.62	53.56	0.27	23.04	0.28	18.21	100.94	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 4318	63 52	96 17	14	7085300	633400	25	8	0.09	0.48	0.61	3.10	55.41	0.18	23.14	0.53	17.09	100.63	CP	Cr-diopside
76PL 4318	63 52	96 17	14	7085300	633400	25	9	0.23	0.68	0.98	3.81	54.90	0.21	21.86	0.10	18.61	101.39	CP	diopside
76PL 4318	63 52	96 17	14	7085300	633400	25	10	0.11	0.26	0.94	3.36	55.24	0.28	23.06	0.65	16.15	100.05	CP	Cr-diopside
76PL 4319	63 53	96 17	14	7087300	633300	25	11	0.10	0.52	0.87	3.36	55.23	0.34	23.26	0.37	16.33	100.37	CP	diopside
76PL 4321	63 55	96 18	14	7089978	632796	25	12	0.15	0.54	0.78	3.62	54.70	0.30	23.27	0.33	16.50	100.20	CP	diopside
76PL 4321	63 55	96 18	14	7089978	632796	25	13	0.10	0.48	1.47	4.87	55.19	0.20	20.74	0.11	18.14	101.31	CP	diopside
76PL 4321	63 55	96 18	14	7089978	632796	25	14	0.15	0.70	1.08	3.79	54.85	0.24	22.50	0.33	17.24	100.88	CP	diopside
76PL 4321	63 55	96 18	14	7089978	632796	25	15	0.12	0.86	0.38	3.54	53.97	0.12	21.99	0.22	18.41	99.61	CP	diopside
76PL 4324	63 58	96 18	14	7094998	632642	25	17	0.09	0.55	0.84	4.04	54.39	0.30	23.24	0.25	15.92	99.62	CP	diopside
76PL 4324	63 58	96 18	14	7094998	632642	25	16	0.21	0.03	0.17	91.36	0.14	0.04	0.05	0.10	0.00	92.11	SP	magnetite
76PL 4327	64 00	96 17	14	7100255	632529	25	18	0.17	0.51	1.29	5.12	52.18	0.54	23.77	0.37	15.19	99.14	CP	diopside
76PL 4419	63 53	96 16	14	7087100	634300	25	19	0.15	0.46	0.93	3.56	54.28	0.34	23.54	0.34	16.17	99.79	CP	diopside
76PL 4420	63 54	96 15	14	7088585	634599	25	20	0.60	0.13	0.15	48.91	0.00	49.27	0.02	0.10	0.64	99.81	SP	ilmenite
76PL 4421	63 55	96 15	14	7089957	634769	25	21	0.73	0.03	0.00	49.13	0.00	50.69	0.02	0.10	0.00	100.70	SP	ilmenite
76PL 4422	63 56	96 16	14	7091652	634335	25	22	0.14	0.34	1.22	3.68	53.30	0.19	22.46	0.45	17.63	99.40	CP	diopside
76PL 4423	63 57	96 16	14	7093729	634304	25	23	0.50	0.00	0.08	49.12	0.00	49.92	0.03	0.07	0.43	100.15	SP	ilmenite
76PL 4423	63 57	96 16	14	7093729	634304	25	24	0.47	0.22	0.11	48.98	0.00	50.50	0.00	0.11	0.39	100.79	SP	ilmenite
76PL 4424	63 58	96 15	14	7095135	634498	25	25	0.10	0.21	0.65	2.60	54.68	0.29	22.95	0.43	18.06	99.98	CP	diopside
76PL 4518	63 52	96 14	14	7085800	635900	25	26	0.13	0.59	1.06	3.99	55.55	0.35	23.41	0.35	15.89	101.31	CP	diopside
76PL 4518	63 52	96 14	14	7085800	635900	25	27	0.15	0.65	1.30	4.05	55.20	0.34	22.65	0.27	16.67	101.29	CP	diopside
76PL 4518	63 52	96 14	14	7085800	635900	25	28	0.14	0.60	0.82	4.18	55.23	0.36	22.76	0.21	15.39	99.69	CP	diopside
76PL 4520	63 54	96 13	14	7088078	636465	25	29	0.17	0.02	14.75	14.38	0.00	0.20	0.00	55.21	14.08	98.81	SP	chromite
76PL 4520	63 54	96 13	14	7088078	636465	25	30	0.61	0.14	0.00	48.06	0.00	50.71	0.01	0.08	0.61	100.23	SP	ilmenite
76PL 4520	63 54	96 13	14	7088078	636465	25	31	0.53	0.08	12.08	32.86	0.00	0.37	0.00	50.81	2.49	99.22	SP	chromite
76PL 4521	63 55	96 14	14	7090014	635964	25	34	0.14	1.25	1.35	3.41	55.22	0.22	21.34	0.74	16.45	100.12	CP	Cr-diopside
76PL 4521	63 55	96 14	14	7090014	635964	25	35	0.21	0.79	1.62	3.98	54.13	0.30	22.00	0.22	16.05	99.29	CP	diopside
76PL 4521	63 55	96 14	14	7090014	635964	25	33	0.08	0.82	1.67	5.24	54.67	0.27	20.92	0.07	16.05	99.79	CP	diopside
76PL 4521	63 55	96 14	14	7090014	635964	25	32	0.08	2.59	31.87	11.49	35.90	0.25	0.14	0.00	2.57	84.90	SP	tourmaline
76PL 4526	63 59	96 14	14	7098622	635030	25	36	0.11	0.87	1.45	3.97	53.99	0.20	22.07	0.35	17.15	100.16	CP	diopside
76PL 4526	63 59	96 14	14	7098622	635030	25	37	0.14	0.40	0.84	2.74	55.45	0.24	22.98	0.51	17.71	101.01	CP	Cr-diopside
76PL 4600	63 37	96 12	14	7056505	639241	25	38	0.11	0.34	0.98	4.04	52.99	0.20	23.25	0.12	16.59	98.61	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 4600	63 37	96 12	14	7056505	639241	25	39	0.10	0.21	0.84	2.85	54.73	0.23	23.05	0.44	18.35	100.81	CP	diopside
76PL 4600	63 37	96 12	14	7056505	639241	25	40	0.23	1.85	0.41	5.22	53.12	0.26	21.94	0.40	15.90	99.34	CP	diopside
76PL 4600	63 37	96 12	14	7056505	639241	25	41	0.11	0.51	1.10	4.05	53.39	0.22	22.58	0.35	17.18	99.49	CP	diopside
76PL 4600	63 37	96 12	14	7056505	639241	25	42	0.18	0.35	0.72	3.42	53.42	0.24	22.98	0.45	16.84	98.60	CP	diopside
76PL 4600	63 37	96 12	14	7056505	639241	25	43	0.09	0.31	1.03	3.97	54.68	0.38	22.11	0.72	17.57	100.87	CP	Cr-diopside
76PL 4600	63 37	96 12	14	7056505	639241	25	44	0.28	0.51	1.13	3.99	53.65	0.34	22.86	0.35	17.28	100.38	CP	diopside
76PL 4600	63 37	96 12	14	7056505	639241	25	45	0.19	0.51	1.55	4.77	54.88	0.22	22.04	0.09	16.27	100.51	CP	diopside
76PL 4600	63 37	96 12	14	7056505	639241	25	46	0.17	0.37	0.98	4.28	55.81	0.25	20.82	0.13	16.47	99.28	CP	diopside
76PL 4600	63 37	96 12	14	7056505	639241	25	47	0.10	0.81	0.92	3.37	54.74	0.30	23.18	0.55	16.13	100.09	CP	Cr-diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	60	0.17	0.93	1.27	3.39	54.78	0.32	22.61	0.25	16.50	100.22	CP	diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	48	0.06	0.45	1.23	3.96	53.57	0.33	23.97	0.53	15.89	99.98	CP	Cr-diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	49	0.13	0.61	1.00	3.91	55.00	0.26	22.92	0.53	17.16	101.52	CP	Cr-diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	50	0.15	0.48	0.78	3.29	54.37	0.29	23.92	0.40	16.94	100.64	CP	diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	51	0.15	0.37	0.77	3.82	54.80	0.35	21.53	0.49	17.31	99.58	CP	diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	52	0.17	0.67	1.02	3.82	54.12	0.22	23.19	0.32	15.44	98.96	CP	diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	53	0.22	0.37	1.03	3.72	54.69	0.27	22.77	0.25	16.48	99.79	CP	diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	54	0.26	0.68	1.04	3.80	55.43	0.20	21.12	0.30	17.58	100.40	CP	diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	55	0.12	0.99	1.44	3.71	54.14	0.27	21.78	0.34	15.99	98.79	CP	diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	56	0.17	0.37	1.01	3.46	54.30	0.22	23.10	0.60	16.74	99.96	CP	Cr-diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	57	0.11	0.45	0.87	3.95	53.75	0.41	23.20	0.53	16.07	99.34	CP	Cr-diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	58	0.14	0.67	1.00	3.66	54.58	0.20	22.36	0.24	17.27	100.10	CP	diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	59	0.06	0.31	1.09	3.64	53.16	0.24	23.25	0.59	17.73	100.06	CP	Cr-diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	61	0.11	0.21	0.66	3.10	55.67	0.20	22.44	0.18	18.83	101.40	CP	diopside
76PL 4617	63 51	96 12	14	7084023	637978	25	62	0.13	0.46	0.55	3.61	55.62	0.16	22.57	0.31	17.35	100.77	CP	diopside
76PL 4617	63 51	96 12	14	7084023	637978	25	63	0.15	0.64	1.22	3.62	55.20	0.28	21.58	0.35	16.17	99.21	CP	diopside
76PL 4617	63 51	96 12	14	7084023	637978	25	64	0.14	0.79	1.31	4.68	54.95	0.47	21.71	0.09	15.42	99.57	CP	diopside
76PL 4617	63 51	96 12	14	7084023	637978	25	65	0.10	0.16	0.91	2.77	54.71	0.26	22.29	0.64	16.91	98.73	CP	Cr-diopside
76PL 4617	63 51	96 12	14	7084023	637978	25	66	0.11	0.61	0.98	4.20	55.15	0.28	22.84	0.36	17.09	101.62	CP	diopside
76PL 4619	63 53	96 12	14	7087411	637824	25	68	0.15	0.26	1.08	4.02	54.64	0.36	23.19	0.58	17.21	101.49	CP	Cr-diopside
76PL 4619	63 53	96 12	14	7087411	637824	25	69	0.13	0.60	0.99	3.38	54.90	0.19	22.70	0.37	17.72	100.98	CP	diopside
76PL 4619	63 53	96 12	14	7087411	637824	25	67	2.48	0.05	20.82	25.91	37.22	0.18	11.88	0.06	1.40	99.98	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 4620	63 54	96 11	14	7088338	638014	25	70	0.14	0.40	0.82	3.73	55.07	0.21	23.04	0.28	16.26	99.96	CP	diopside
76PL 4620	63 54	96 11	14	7088338	638014	25	71	0.22	0.70	1.06	4.04	53.61	0.29	23.46	0.23	15.77	99.38	CP	diopside
76PL 4620	63 54	96 11	14	7088338	638014	25	72	0.13	0.82	2.09	3.40	54.49	0.16	21.21	0.37	17.42	100.08	CP	diopside
76PL 4621	63 55	96 12	14	7089843	637685	25	73	0.27	0.00	21.68	27.42	38.14	0.17	10.78	0.03	2.34	100.83	GA	almandine
76PL 4621	63 55	96 12	14	7089843	637685	25	74	0.64	0.00	0.09	47.94	0.00	49.31	0.01	0.06	0.47	98.52	SP	ilmenite
76PL 4621	63 55	96 12	14	7089843	637685	25	75	0.47	0.00	0.15	47.84	0.00	48.40	0.00	0.10	0.88	97.85	SP	ilmenite
76PL 4650	63 36	96 11	14	7055648	639471	25	76	0.14	0.21	0.94	3.51	54.03	0.25	22.37	0.25	16.71	98.42	CP	diopside
76PL 4650	63 36	96 11	14	7055648	639471	25	77	0.17	0.00	25.14	10.58	40.31	0.10	23.20	0.06	0.00	99.56	CP	grossular
76PL 4650	63 36	96 11	14	7055648	639471	25	78	0.19	0.30	0.81	3.32	54.68	0.23	22.27	0.86	17.82	100.47	CP	Cr-diopside
76PL 4651	63 35	96 12	14	7053547	639223	25	83	0.17	0.40	0.40	3.39	54.78	0.26	24.04	0.22	16.59	100.25	CP	diopside
76PL 4651	63 35	96 12	14	7053547	639223	25	79	0.06	0.57	1.45	3.10	54.82	0.22	21.80	0.49	17.52	100.05	CP	diopside
76PL 4651	63 35	96 12	14	7053547	639223	25	80	0.22	0.29	0.64	3.40	54.72	0.16	21.87	0.18	18.44	99.92	CP	diopside
76PL 4651	63 35	96 12	14	7053547	639223	25	81	0.14	0.66	0.91	3.57	54.66	0.17	21.40	0.12	17.34	98.97	CP	diopside
76PL 4651	63 35	96 12	14	7053547	639223	25	82	0.14	0.18	0.67	2.66	56.04	0.24	22.53	0.45	16.33	99.24	CP	diopside
76PL 4653	63 33	96 12	14	7050581	639409	25	84	0.11	0.29	1.15	4.05	54.75	0.27	22.46	0.59	16.41	100.09	CP	Cr-diopside
76PL 4653	63 33	96 12	14	7050581	639409	25	85	0.17	0.24	0.70	2.78	54.88	0.15	24.04	0.16	17.55	100.67	CP	diopside
76PL 4653	63 33	96 12	14	7050581	639409	25	86	0.18	0.21	0.57	3.94	55.82	0.24	22.08	0.38	16.57	99.99	CP	diopside
76PL 4653	63 33	96 12	14	7050581	639409	25	87	0.26	0.52	1.18	5.16	54.56	0.24	21.31	0.37	16.18	99.78	CP	diopside
76PL 4653	63 33	96 12	14	7050581	639409	25	88	0.15	0.26	0.99	4.32	55.01	0.32	20.13	0.72	16.72	98.63	CP	Cr-diopside
76PL 4653	63 33	96 12	14	7050581	639409	25	89	0.14	0.29	0.80	4.05	56.59	0.28	21.67	0.14	16.43	100.39	CP	diopside
76PL 4653	63 33	96 12	14	7050581	639409	25	90	0.11	0.24	0.77	3.36	55.79	0.26	21.78	0.27	16.04	98.62	CP	diopside
76PL 4715	63 50	96 10	14	7081430	639698	25	91	0.10	0.49	1.17	4.53	55.07	0.49	21.97	0.25	15.37	99.44	CP	diopside
76PL 4715	63 50	96 10	14	7081430	639698	25	92	0.10	0.26	0.90	3.46	54.33	0.20	22.61	0.56	17.71	100.12	CP	Cr-diopside
76PL 4715	63 50	96 10	14	7081430	639698	25	93	0.19	0.60	1.20	4.05	54.50	0.43	23.33	0.33	15.25	99.88	CP	diopside
76PL 4715	63 50	96 10	14	7081430	639698	25	94	0.14	0.73	0.78	3.72	53.88	0.26	23.39	0.29	17.54	100.73	CP	diopside
76PL 4715	63 50	96 10	14	7081430	639698	25	95	0.13	0.71	1.26	3.55	53.98	0.21	22.09	0.33	17.96	100.23	CP	diopside
76PL 4715	63 50	96 10	14	7081430	639698	25	96	0.21	0.66	1.02	3.27	54.41	0.25	23.04	0.74	16.54	100.15	CP	Cr-diopside
76PL 4715	63 50	96 10	14	7081430	639698	25	97	0.15	0.64	0.87	3.72	53.30	0.30	22.36	0.16	17.69	99.20	CP	diopside
76PL 4717	63 52	96 10	14	7084149	639529	25	99	0.08	0.60	1.15	3.38	53.48	0.34	22.46	0.37	16.93	98.80	CP	diopside
76PL 4717	63 52	96 10	14	7084149	639529	25	100	0.25	0.69	1.01	4.41	53.37	0.28	22.62	0.16	16.84	99.63	CP	diopside
76PL 4717	63 52	96 10	14	7084149	639529	25	101	0.06	1.28	1.39	3.57	53.59	0.30	21.87	0.35	16.38	98.78	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 4717	63 52	96 10	14	7084149	639529	25	98	0.48	0.00	21.80	21.30	39.77	0.14	10.72	0.02	6.93	101.14	GA	almandine
76PL 4724	63 58	96 10	14	7095376	638606	26	1	0.09	0.23	0.90	3.72	53.97	0.25	22.64	0.47	17.76	100.02	CP	diopside
76PL 4726	63 59	96 10	14	7098536	638901	26	2	0.93	0.00	0.22	48.98	0.00	50.15	0.06	0.07	0.74	101.16	SP	ilmenite
76PL 4726	63 59	96 10	14	7098536	638901	26	3	0.14	0.00	0.54	89.33	0.43	0.15	0.07	0.12	0.00	90.78	SP	hematite
76PL 4726	63 59	96 10	14	7098536	638901	26	4	0.14	0.00	0.38	89.36	0.27	0.03	0.01	0.16	0.00	90.34	SP	hematite
76PL 4727	64 00	96 10	14	7100041	638493	26	5	0.43	0.03	21.80	20.93	39.94	0.16	10.63	0.00	6.88	100.80	GA	almandine
76PL 4750	63 36	96 10	14	7055256	640928	26	6	0.14	0.24	1.00	4.44	53.43	0.23	22.70	0.27	16.89	99.34	CP	diopside
76PL 4750	63 36	96 10	14	7055256	640928	26	7	0.09	0.60	1.23	4.16	55.17	0.17	22.09	0.23	17.30	101.05	CP	diopside
76PL 4750	63 36	96 10	14	7055256	640928	26	8	0.07	0.35	1.23	3.18	53.86	0.15	22.62	0.31	17.87	99.63	CP	diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	9	0.22	0.34	0.74	4.01	54.91	0.23	22.18	0.28	17.19	100.10	CP	diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	10	0.15	0.29	1.40	4.25	54.48	0.36	23.13	0.23	16.64	100.94	CP	diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	11	0.24	0.48	0.80	4.08	55.17	0.21	22.18	0.17	17.38	100.70	CP	diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	12	0.17	0.31	1.12	4.40	53.69	0.24	22.55	0.20	16.34	99.02	CP	diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	13	0.24	0.38	0.94	4.51	54.13	0.31	21.76	0.18	17.98	100.43	CP	diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	14	0.15	0.44	1.21	3.65	53.94	0.16	22.26	0.47	18.54	100.83	CP	diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	15	0.20	0.44	0.83	3.71	53.83	0.12	21.74	0.67	18.85	100.40	CP	Cr-diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	16	0.18	0.35	1.21	3.82	54.29	0.29	23.32	0.66	17.04	101.17	CP	Cr-diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	17	0.10	0.45	1.49	4.18	53.90	0.39	21.78	0.99	18.15	101.42	CP	Cr-diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	18	0.06	0.18	0.48	2.29	54.90	0.24	24.66	0.30	18.36	101.46	CP	diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	19	0.20	0.26	0.87	3.23	54.76	0.23	23.32	0.73	17.67	101.26	CP	Cr-diopside
76PL 4815	63 50	96 08	14	7081630	641108	26	20	0.09	0.42	0.92	3.56	54.05	0.26	22.69	0.60	16.89	99.48	CP	Cr-diopside
76PL 4815	63 50	96 08	14	7081630	641108	26	21	0.10	0.49	0.87	3.80	53.23	0.33	23.45	0.12	17.50	99.90	CP	diopside
76PL 4816	63 51	96 08	14	7083383	641106	26	23	0.15	0.24	0.90	3.11	53.38	0.25	22.92	0.75	17.10	98.81	CP	Cr-diopside
76PL 4816	63 51	96 08	14	7083383	641106	26	22	0.27	0.00	21.51	25.07	39.42	0.26	9.34	0.10	5.24	101.22	GA	almandine
76PL 4817	63 52	96 07	14	7084355	641766	26	25	0.07	0.30	0.41	2.72	54.28	0.26	23.24	0.56	17.14	98.99	CP	Cr-diopside
76PL 4817	63 52	96 07	14	7084355	641766	26	24	0.43	0.03	0.05	48.57	0.00	50.56	0.04	0.10	0.32	100.10	SP	ilmenite
76PL 4818	63 53	96 07	14	7086336	641252	26	26	0.07	0.74	1.22	3.60	53.70	0.36	23.07	0.53	16.37	99.67	CP	Cr-diopside
76PL 4818	63 53	96 07	14	7086336	641252	26	27	0.15	0.38	0.77	3.62	54.37	0.28	23.45	0.31	16.50	99.83	CP	diopside
76PL 4820	63 54	96 08	14	7088743	640757	26	28	0.36	0.11	21.27	22.95	38.74	0.19	10.35	0.05	6.09	100.12	GA	almandine
76PL 4821	63 55	96 07	14	7090882	641017	26	29	2.29	0.11	20.39	21.51	39.35	0.32	12.68	0.04	3.55	100.24	GA	almandine
76PL 4821	63 55	96 07	14	7090882	641017	26	30	2.41	0.00	22.06	21.32	37.74	0.21	12.80	0.00	4.13	100.69	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 4823	63 57	96 08	14	7093617	640644	26	31	0.61	0.11	0.12	47.69	0.00	51.66	0.05	0.04	0.00	100.28	SP	ilmenite
76PL 4824	63 57	96 08	14	7095181	640009	26	33	0.12	0.85	1.47	5.03	52.68	0.50	22.66	0.08	15.61	99.00	CP	diopside
76PL 4824	63 57	96 08	14	7095181	640009	26	32	0.91	0.08	22.25	24.68	38.41	0.22	8.55	0.00	5.73	100.82	GA	almandine
76PL 4850	63 36	96 08	14	7055408	642478	26	35	0.09	0.22	0.52	2.97	53.31	0.26	22.22	0.42	18.31	98.33	CP	diopside
76PL 4850	63 36	96 08	14	7055408	642478	26	36	0.07	0.25	0.70	3.89	53.50	0.19	21.69	0.42	17.56	98.28	CP	diopside
76PL 4850	63 36	96 08	14	7055408	642478	26	37	0.13	0.45	1.06	3.79	53.33	0.26	22.71	0.19	17.18	99.10	CP	diopside
76PL 4850	63 36	96 08	14	7055408	642478	26	34	1.01	0.42	20.50	23.18	37.01	0.37	12.53	0.19	4.08	99.29	GA	almandine
76PL 4851	63 35	96 08	14	7053728	642657	26	38	0.07	0.34	0.77	3.12	53.96	0.23	22.50	0.36	18.17	99.52	CP	diopside
76PL 4851	63 35	96 08	14	7053728	642657	26	39	0.28	0.00	23.51	12.28	38.98	0.19	22.86	0.04	0.02	98.16	CP	grossular
76PL 4851	63 35	96 08	14	7053728	642657	26	40	0.14	0.00	23.20	13.59	37.78	0.07	22.88	0.05	0.00	97.72	CP	grossular
76PL 4852	63 34	96 08	14	7052331	642576	26	42	0.20	0.17	0.59	3.44	52.38	0.30	21.54	0.38	17.89	96.90	CP	diopside
76PL 4852	63 34	96 08	14	7052331	642576	26	41	0.55	0.03	0.22	48.80	0.00	48.93	0.04	0.06	0.09	98.72	SP	ilmenite
76PL 4915	63 50	96 06	14	7081592	642763	26	44	0.09	1.15	1.99	4.91	50.19	0.57	22.23	0.40	15.63	97.16	CP	diopside
76PL 4915	63 50	96 06	14	7081592	642763	26	43	0.25	0.85	1.65	5.69	51.69	0.35	21.47	0.08	16.55	98.56	CP	diopside
76PL 4916	63 51	96 06	14	7082829	642795	26	48	0.22	0.22	0.83	4.51	53.55	0.25	21.59	0.22	17.32	98.72	CP	diopside
76PL 4916	63 51	96 06	14	7082829	642795	26	49	0.10	0.23	0.49	2.89	54.63	0.24	22.46	0.56	18.01	99.63	CP	Cr-diopside
76PL 4916	63 51	96 06	14	7082829	642795	26	50	0.10	0.59	1.26	4.31	52.37	0.21	22.09	0.19	17.44	98.56	CP	diopside
76PL 4916	63 51	96 06	14	7082829	642795	26	51	0.19	0.21	0.86	3.00	54.15	0.20	22.49	0.56	17.67	99.32	CP	Cr-diopside
76PL 4916	63 51	96 06	14	7082829	642795	26	45	18.62	0.00	20.50	22.89	35.45	0.17	0.50	0.06	0.94	99.12	GA	almandine
76PL 4916	63 51	96 06	14	7082829	642795	26	46	0.68	0.00	0.09	48.90	0.00	50.22	0.00	0.11	0.33	100.34	SP	ilmenite
76PL 4916	63 51	96 06	14	7082829	642795	26	47	1.00	0.03	0.05	49.20	0.00	49.23	0.02	0.03	0.18	99.72	SP	ilmenite
76PL 4917	63 52	96 06	14	7084489	642591	26	52	0.10	0.31	0.98	4.02	53.37	0.28	21.78	0.11	17.65	98.58	CP	diopside
76PL 4917	63 52	96 06	14	7084489	642591	26	53	0.19	0.20	0.68	3.23	54.98	0.22	21.51	0.40	17.36	98.77	CP	diopside
76PL 4917	63 52	96 06	14	7084489	642591	26	54	0.20	1.07	1.51	3.63	54.07	0.23	21.85	0.46	16.77	99.80	CP	diopside
76PL 4917	63 52	96 06	14	7084489	642591	26	55	0.19	0.30	1.04	2.91	53.67	0.21	22.82	0.60	17.42	99.16	CP	Cr-diopside
76PL 4917	63 52	96 06	14	7084489	642591	26	56	0.12	0.16	0.84	3.32	51.69	0.21	22.85	0.15	19.35	98.68	CP	diopside
76PL 4917	63 52	96 06	14	7084489	642591	26	57	0.03	0.27	0.67	3.01	52.82	0.24	22.71	0.39	18.99	99.13	CP	diopside
76PL 4919	63 53	96 06	14	7087665	642301	26	58	0.07	0.22	1.02	2.87	53.29	0.16	22.67	0.95	17.25	98.51	CP	Cr-diopside
76PL 4919	63 53	96 06	14	7087665	642301	26	59	0.13	1.16	1.74	3.51	52.77	0.33	22.36	0.47	16.75	99.22	CP	diopside
76PL 4921	63 55	96 06	14	7090665	642204	26	60	0.15	0.37	0.46	3.07	54.56	0.30	21.89	0.65	17.97	99.41	CP	Cr-diopside
76PL 4923	63 57	96 06	14	7093783	641927	26	61	0.19	0.26	1.24	4.89	52.03	0.16	22.93	0.18	15.84	97.70	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 4923	63 57	96 06	14	7093783	641927	26	62	0.18	0.40	1.05	3.36	53.64	0.31	22.48	0.45	17.60	99.47	CP	diopside
76PL 4950	63 36	96 06	14	7055291	643995	26	63	0.03	0.37	0.77	2.88	53.45	0.25	22.94	0.55	16.95	98.19	CP	Cr-diopside
76PL 4951	63 35	96 06	14	7053840	644144	26	66	0.15	0.70	1.27	4.20	52.01	0.27	22.31	0.23	16.09	97.24	CP	diopside
76PL 4951	63 35	96 06	14	7053840	644144	26	67	0.09	0.00	21.90	15.33	36.68	0.10	23.16	0.07	0.00	97.32	CP	grossular
76PL 4951	63 35	96 06	14	7053840	644144	26	64	0.59	0.03	21.68	24.05	37.06	0.18	10.86	0.00	4.92	99.37	GA	almandine
76PL 4951	63 35	96 06	14	7053840	644144	26	65	0.48	0.10	14.62	24.49	0.04	0.24	0.01	51.25	7.81	99.05	SP	chromite
76PL 4952	63 34	96 06	14	7052009	643994	26	68	0.63	0.00	0.08	49.98	0.00	49.54	0.01	0.05	0.03	100.31	SP	ilmenite
76PL 4952	63 34	96 06	14	7052009	643994	26	69	0.55	0.00	0.13	48.03	0.00	50.25	0.05	0.07	1.64	100.72	SP	ilmenite
76PL 4953	63 33	96 06	14	7050640	644473	26	70	0.16	0.21	1.00	4.20	53.18	0.19	21.74	0.09	17.79	98.55	CP	diopside
76PL 4953	63 33	96 06	14	7050640	644473	26	71	0.14	0.30	0.62	3.56	54.44	0.23	23.05	0.17	17.99	100.51	CP	diopside
76PL 4953	63 33	96 06	14	7050640	644473	26	72	0.18	0.37	1.37	5.02	53.04	0.43	22.51	0.30	16.02	99.25	CP	diopside
76PL 4953	63 33	96 06	14	7050640	644473	26	73	0.13	0.21	0.88	3.64	53.21	0.20	23.15	0.24	17.30	98.95	CP	diopside
76PL 4953	63 33	96 06	14	7050640	644473	26	74	0.09	0.44	0.84	4.07	53.76	0.20	22.88	0.24	17.19	99.71	CP	diopside
76PL 4953	63 33	96 06	14	7050640	644473	26	75	0.15	0.20	0.84	3.82	53.26	0.27	23.26	0.37	16.65	98.83	CP	diopside
76PL 4953	63 33	96 06	14	7050640	644473	26	76	0.20	0.21	0.68	3.58	54.51	0.24	23.08	0.28	18.06	100.84	CP	diopside
76PL 4953	63 33	96 06	14	7050640	644473	26	77	0.15	0.26	1.08	3.55	54.70	0.23	22.59	0.79	17.93	101.29	CP	Cr-diopside
76PL 5016	63 50	96 04	14	7082149	644574	26	78	0.13	0.52	1.03	3.47	53.79	0.26	23.14	0.32	16.83	99.48	CP	diopside
76PL 5016	63 50	96 04	14	7082149	644574	26	79	0.09	1.10	1.64	3.65	54.28	0.28	21.50	0.34	17.72	100.59	CP	diopside
76PL 5016	63 50	96 04	14	7082149	644574	26	80	0.13	0.36	0.95	3.24	54.74	0.28	23.49	0.38	17.71	101.29	CP	diopside
76PL 5016	63 50	96 04	14	7082149	644574	26	81	0.14	0.24	0.60	2.74	55.08	0.25	23.65	0.52	17.83	101.03	CP	Cr-diopside
76PL 5016	63 50	96 04	14	7082149	644574	26	82	0.14	0.45	1.08	3.86	53.41	0.16	22.90	0.47	16.49	98.96	CP	diopside
76PL 5016	63 50	96 04	14	7082149	644574	26	83	0.18	0.90	1.21	4.27	54.42	0.35	23.01	0.32	15.10	99.77	CP	diopside
76PL 5016	63 50	96 04	14	7082149	644574	26	84	0.15	0.31	1.12	3.86	53.32	0.35	22.37	0.32	17.96	99.77	CP	diopside
76PL 5016	63 50	96 04	14	7082149	644574	26	85	0.08	0.62	0.77	3.57	54.56	0.30	23.37	0.40	16.37	100.03	CP	diopside
76PL 5016	63 50	96 04	14	7082149	644574	26	86	0.23	0.40	0.75	3.22	54.02	0.24	23.14	0.51	16.80	99.32	CP	Cr-diopside
76PL 5017	63 51	96 04	14	7084308	644070	26	87	0.41	0.00	21.54	24.71	39.08	0.10	9.11	0.12	5.75	100.83	GA	almandine
76PL 5017	63 51	96 04	14	7084308	644070	26	88	0.19	0.07	21.02	26.30	38.72	0.15	14.61	0.06	0.32	101.43	GA	almandine
76PL 5018	63 52	96 04	14	7085822	643894	26	89	0.30	0.30	1.11	4.59	54.30	0.28	20.91	0.68	18.25	100.72	CP	Cr-diopside
76PL 5019	63 53	96 04	14	7087260	643720	26	91	0.00	0.31	1.12	3.70	53.83	0.25	21.88	0.31	17.69	99.08	CP	diopside
76PL 5019	63 53	96 04	14	7087260	643720	26	90	1.77	0.00	21.19	25.36	39.81	0.23	6.85	0.04	5.82	101.08	GA	almandine
76PL 5021	63 55	96 04	14	7090532	643898	26	92	0.12	0.00	21.18	23.45	38.91	0.26	11.67	0.02	4.33	99.94	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 5021	63 55	96 04	14	7090532	643898	26	93	0.23	0.00	14.58	14.73	0.01	0.31	0.01	55.58	13.50	98.96	SP	chromite
76PL 5026	63 59	96 04	14	7098720	643836	26	94	0.11	0.46	0.74	3.41	55.14	0.22	20.91	0.29	18.65	99.92	CP	diopside
76PL 5050	63 36	96 03	14	7055137	645982	26	95	0.21	0.32	0.68	3.01	53.88	0.15	22.57	0.17	17.58	98.57	CP	diopside
76PL 5050	63 36	96 03	14	7055137	645982	26	96	0.14	0.44	1.13	3.91	53.35	0.22	23.04	0.11	16.80	99.14	CP	diopside
76PL 5050	63 36	96 03	14	7055137	645982	26	97	0.17	0.30	0.70	3.67	54.00	0.24	22.79	0.19	16.63	98.68	CP	diopside
76PL 5050	63 36	96 03	14	7055137	645982	26	98	0.11	0.27	0.59	2.84	54.07	0.19	23.70	0.37	17.18	99.32	CP	diopside
76PL 5050	63 36	96 03	14	7055137	645982	26	99	0.10	0.10	0.96	3.11	56.06	0.28	23.03	0.33	17.27	101.22	CP	diopside
76PL 5051	63 35	96 04	14	7053515	645816	26	100	0.56	0.00	21.25	22.93	39.16	0.27	10.90	0.03	5.91	101.01	GA	almandine
76PL 5051	63 35	96 04	14	7053515	645816	26	101	0.75	0.03	21.47	24.16	39.57	0.28	10.80	0.10	4.29	101.46	GA	almandine
76PL 5052	63 34	96 04	14	7052269	645976	27	2	0.06	0.41	1.10	3.26	54.33	0.19	22.17	0.89	17.49	99.90	CP	Cr-diopside
76PL 5052	63 34	96 04	14	7052269	645976	27	3	0.14	0.35	1.26	4.25	54.55	0.22	22.47	0.27	17.56	101.06	CP	diopside
76PL 5052	63 34	96 04	14	7052269	645976	27	4	0.20	0.70	1.24	3.54	54.32	0.24	22.63	0.30	17.00	100.18	CP	diopside
76PL 5052	63 34	96 04	14	7052269	645976	27	5	0.14	0.22	1.02	3.47	53.82	0.22	23.15	0.41	18.34	100.80	CP	diopside
76PL 5052	63 34	96 04	14	7052269	645976	27	6	0.16	0.32	1.07	4.10	54.70	0.21	22.60	0.24	17.63	101.03	CP	diopside
76PL 5052	63 34	96 04	14	7052269	645976	27	7	0.09	0.28	1.02	3.59	54.65	0.30	23.45	0.12	17.66	101.16	CP	diopside
76PL 5052	63 34	96 04	14	7052269	645976	27	1	0.68	0.01	0.01	48.65	0.00	49.79	0.03	0.08	0.88	100.13	SP	ilmenite
76PL 5053	63 33	96 04	14	7050797	645986	27	8	0.10	0.19	1.49	3.85	54.09	0.24	23.01	0.40	16.68	100.05	CP	diopside
76PL 5053	63 33	96 04	14	7050797	645986	27	9	0.23	0.61	1.80	4.20	52.80	0.23	21.35	0.75	18.09	100.06	CP	Cr-diopside
76PL 5053	63 33	96 04	14	7050797	645986	27	10	0.19	0.34	0.85	3.77	54.69	0.18	21.94	0.08	17.42	99.46	CP	diopside
76PL 5053	63 33	96 04	14	7050797	645986	27	11	0.14	0.20	0.72	3.21	55.53	0.17	23.11	0.30	18.05	101.42	CP	diopside
76PL 5053	63 33	96 04	14	7050797	645986	27	12	0.16	0.28	0.90	3.75	54.31	0.34	22.21	0.45	18.81	101.21	CP	diopside
76PL 5053	63 33	96 04	14	7050797	645986	27	13	0.12	0.41	0.88	3.65	55.10	0.26	22.48	0.29	17.14	100.33	CP	diopside
76PL 5053	63 33	96 04	14	7050797	645986	27	14	0.19	0.57	0.93	4.15	54.18	0.23	21.94	0.12	18.53	100.84	CP	diopside
76PL 5053	63 33	96 04	14	7050797	645986	27	15	0.13	0.24	1.14	4.17	53.73	0.34	22.61	0.41	17.52	100.29	CP	diopside
76PL 5114	63 49	96 01	14	7079451	646474	27	19	0.13	0.28	0.86	3.98	54.70	0.29	23.04	0.49	17.71	101.49	CP	diopside
76PL 5114	63 49	96 01	14	7079451	646474	27	16	0.26	0.00	21.58	23.53	38.93	0.23	10.65	0.10	6.05	101.33	GA	almandine
76PL 5114	63 49	96 01	14	7079451	646474	27	17	1.05	0.00	22.20	22.85	39.22	0.13	9.54	0.11	6.14	101.22	GA	almandine
76PL 5114	63 49	96 01	14	7079451	646474	27	18	0.50	0.00	0.15	47.95	0.00	50.18	0.01	0.07	0.93	99.80	SP	ilmenite
76PL 5115	63 50	96 03	14	7081175	645455	27	20	0.07	0.62	1.01	3.44	54.18	0.23	23.10	0.22	17.53	100.39	CP	diopside
76PL 5115	63 50	96 03	14	7081175	645455	27	21	0.16	0.22	0.95	3.60	54.08	0.30	22.70	0.21	16.45	98.67	CP	diopside
76PL 5116	63 50	96 02	14	7082490	646046	27	22	0.16	0.22	0.87	3.52	54.50	0.23	22.87	0.55	17.39	100.31	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 5116	63 50	96 02	14	7082490	646046	27	23	0.16	0.39	0.73	3.75	55.10	0.18	22.28	0.19	18.28	101.06	CP	diopside
76PL 5116	63 50	96 02	14	7082490	646046	27	24	0.09	0.85	1.12	3.65	53.98	0.28	22.84	0.44	17.03	100.27	CP	diopside
76PL 5116	63 50	96 02	14	7082490	646046	27	25	0.19	0.43	0.96	3.76	54.04	0.34	23.71	0.30	16.74	100.47	CP	diopside
76PL 5116	63 50	96 02	14	7082490	646046	27	26	0.17	0.17	0.83	3.03	53.86	0.15	22.03	0.36	18.56	99.16	CP	diopside
76PL 5116	63 50	96 02	14	7082490	646046	27	27	0.19	0.26	0.80	2.81	53.90	0.19	23.44	0.20	18.06	99.84	CP	diopside
76PL 5116	63 50	96 02	14	7082490	646046	27	28	0.17	0.30	1.03	3.32	54.04	0.32	23.30	0.78	17.98	101.23	CP	Cr-diopside
76PL 5116	63 50	96 02	14	7082490	646046	27	29	0.17	0.65	1.47	4.60	51.71	0.49	23.94	0.39	16.00	99.42	CP	diopside
76PL 5118	63 52	96 02	14	7085858	645383	27	35	0.20	0.78	0.99	3.78	54.90	0.22	22.29	0.43	16.55	100.13	CP	diopside
76PL 5118	63 52	96 02	14	7085858	645383	27	30	0.66	0.05	20.98	24.68	38.69	0.20	12.80	0.10	2.68	100.84	GA	almandine
76PL 5118	63 52	96 02	14	7085858	645383	27	31	0.67	0.00	21.35	25.21	39.44	0.25	6.16	0.12	7.59	100.78	GA	almandine
76PL 5118	63 52	96 02	14	7085858	645383	27	32	0.54	0.17	0.00	49.55	0.00	50.46	0.01	0.01	0.00	100.75	SP	ilmenite
76PL 5118	63 52	96 02	14	7085858	645383	27	33	0.71	0.00	0.00	49.12	0.00	50.03	0.06	0.01	0.19	100.11	SP	ilmenite
76PL 5118	63 52	96 02	14	7085858	645383	27	34	0.59	0.00	0.20	48.69	0.00	49.30	0.03	0.04	0.87	99.72	SP	ilmenite
76PL 5120	63 54	96 02	14	7089201	645204	27	37	0.19	0.23	1.54	4.02	53.90	0.20	22.53	0.09	16.76	99.46	CP	diopside
76PL 5120	63 54	96 02	14	7089201	645204	27	36	1.66	0.00	21.47	22.08	37.86	0.40	10.91	0.09	4.59	99.06	GA	almandine
76PL 5123	63 56	96 02	14	7093653	645441	27	38	0.23	0.11	0.89	3.45	54.31	0.18	23.14	0.92	17.29	100.51	CP	Cr-diopside
76PL 5126	63 59	96 01	14	7098977	646047	27	42	0.07	0.42	0.80	4.03	53.94	0.17	22.53	0.31	17.17	99.45	CP	diopside
76PL 5126	63 59	96 01	14	7098977	646047	27	39	0.72	0.00	20.50	26.12	38.90	0.17	10.32	0.05	3.16	99.94	GA	almandine
76PL 5126	63 59	96 01	14	7098977	646047	27	40	0.48	0.00	0.09	49.07	0.00	50.05	0.03	0.10	0.75	100.57	SP	ilmenite
76PL 5126	63 59	96 01	14	7098977	646047	27	41	0.49	0.06	0.23	48.56	0.00	49.76	0.02	0.11	1.61	100.84	SP	ilmenite
76PL 5150	63 36	96 02	14	7055568	647109	27	43	0.06	0.30	0.76	3.87	54.90	0.21	22.99	0.13	17.28	100.51	CP	diopside
76PL 5150	63 36	96 02	14	7055568	647109	27	44	0.13	0.40	0.96	3.44	53.81	0.30	23.44	0.50	17.30	100.29	CP	Cr-diopside
76PL 5150	63 36	96 02	14	7055568	647109	27	45	0.10	0.35	0.62	3.06	53.97	0.18	23.51	0.50	17.86	100.14	CP	Cr-diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	49	0.07	0.43	1.08	3.50	54.58	0.30	22.74	0.79	17.77	101.26	CP	Cr-diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	50	0.17	0.19	0.99	3.33	54.12	0.27	23.26	0.54	16.40	99.28	CP	Cr-diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	51	0.12	0.46	1.02	4.03	54.56	0.29	22.64	0.29	17.26	100.66	CP	diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	52	0.14	0.39	0.88	3.60	55.20	0.17	22.83	0.17	16.99	100.38	CP	diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	53	0.13	0.19	0.57	2.81	54.73	0.13	23.45	0.39	16.32	98.72	CP	diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	54	0.21	0.75	0.98	4.14	54.10	0.35	23.31	0.18	17.09	101.12	CP	diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	55	0.14	0.30	0.64	3.18	54.60	0.09	23.29	0.45	16.85	99.54	CP	diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	56	0.20	0.27	1.17	5.06	52.42	0.25	22.44	0.10	17.12	99.04	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 5151	63 35	96 02	14	7053473	647192	27	57	0.16	0.47	1.09	3.47	53.66	0.20	23.52	0.26	17.59	100.42	CP	diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	58	0.05	0.22	1.36	3.96	53.59	0.23	23.11	0.08	17.20	99.79	CP	diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	59	0.29	0.37	0.93	3.85	54.56	0.20	23.09	0.46	16.79	100.54	CP	diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	60	0.19	0.25	1.37	4.20	54.24	0.29	21.20	0.46	18.47	100.66	CP	diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	61	0.12	0.41	0.78	2.96	53.70	0.12	23.40	0.27	17.48	99.24	CP	diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	62	0.17	0.25	1.02	4.78	53.83	0.22	22.36	0.17	16.47	99.28	CP	diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	63	0.12	0.59	1.58	3.80	55.09	0.36	22.77	0.24	16.14	100.67	CP	diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	64	0.21	0.36	0.96	4.42	55.04	0.15	21.94	0.05	17.87	101.00	CP	diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	65	0.14	0.19	0.72	3.79	53.86	0.16	22.98	0.31	17.82	99.96	CP	diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	66	0.14	0.19	0.92	3.32	53.64	0.18	22.93	0.51	17.58	99.41	CP	Cr-diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	67	0.16	0.43	0.89	3.02	53.81	0.23	22.49	0.56	17.03	98.61	CP	Cr-diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	46	0.60	0.06	0.06	49.88	0.00	49.40	0.06	0.09	0.44	100.59	SP	ilmenite
76PL 5151	63 35	96 02	14	7053473	647192	27	47	0.61	0.00	0.02	49.69	0.00	49.91	0.05	0.11	0.25	100.64	SP	ilmenite
76PL 5151	63 35	96 02	14	7053473	647192	27	48	0.45	0.00	0.00	50.09	0.00	49.02	0.02	0.10	0.32	100.00	SP	ilmenite
76PL 5153	63 33	96 02	14	7050569	647745	27	68	0.22	0.11	0.81	3.72	54.74	0.20	22.22	0.23	17.18	99.43	CP	diopside
76PL 5215	63 50	96 00	14	7081237	647401	27	69	0.14	0.14	0.78	3.05	53.82	0.27	23.30	0.27	17.62	99.39	CP	diopside
76PL 5215	63 50	96 00	14	7081237	647401	27	70	0.07	0.20	0.59	2.72	55.49	0.27	23.99	0.61	17.02	100.97	CP	Cr-diopside
76PL 5215	63 50	96 00	14	7081237	647401	27	71	0.13	0.31	0.84	2.86	54.48	0.24	23.81	0.37	17.83	100.89	CP	diopside
76PL 5217	63 51	96 00	14	7084408	647238	27	72	0.12	0.32	0.99	3.14	53.54	0.25	23.17	0.60	16.87	98.97	CP	Cr-diopside
76PL 5219	63 53	96 00	14	7087283	647270	27	74	0.17	0.73	5.28	3.11	53.20	0.12	12.06	1.34	21.55	97.57	CP	amphibole
76PL 5219	63 53	96 00	14	7087283	647270	27	73	1.07	0.01	21.52	23.18	38.82	0.24	11.33	0.06	4.20	100.44	GA	almandine
76PL 5224	63 57	96 00	15	7095164	353047	27	75	0.09	0.68	0.81	2.76	54.38	0.23	23.42	0.85	15.71	98.92	CP	Cr-diopside
76PL 5253	63 33	95 59	15	7050176	351502	27	77	0.13	0.42	0.54	2.76	54.76	0.19	23.64	0.32	17.52	100.27	CP	diopside
76PL 5253	63 33	95 59	15	7050176	351502	27	78	0.10	0.25	0.85	3.19	54.13	0.34	23.35	0.70	16.69	99.60	CP	Cr-diopside
76PL 5253	63 33	95 59	15	7050176	351502	27	79	0.14	0.59	1.06	3.64	54.37	0.31	23.13	0.77	17.24	101.27	CP	Cr-diopside
76PL 5253	63 33	95 59	15	7050176	351502	27	80	0.14	0.43	1.22	3.65	55.11	0.22	21.63	0.76	17.41	100.58	CP	Cr-diopside
76PL 5253	63 33	95 59	15	7050176	351502	27	81	0.19	0.44	0.91	3.13	53.98	0.21	22.80	0.35	17.05	99.06	CP	diopside
76PL 5253	63 33	95 59	15	7050176	351502	27	76	0.38	0.00	15.88	10.57	38.16	0.58	34.08	0.09	0.17	99.93	GA	grossular
76PL 5314	63 49	95 58	15	7079577	354062	27	82	0.19	0.23	0.80	3.21	53.75	0.19	23.20	0.57	18.44	100.58	CP	Cr-diopside
76PL 5315	63 50	95 58	15	7081170	353789	27	83	0.10	0.31	0.83	3.29	54.45	0.17	22.34	0.30	17.86	99.64	CP	diopside
76PL 5315	63 50	95 58	15	7081170	353789	27	84	0.07	0.64	1.10	3.51	53.06	0.29	23.36	0.53	16.81	99.38	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 5318	63 52	95 58	15	7085257	354374	27	85	0.10	0.42	0.89	4.54	54.16	0.33	23.19	0.19	16.63	100.44	CP	diopside
76PL 5319	63 53	95 58	15	7087329	354343	27	86	0.40	0.00	20.99	36.69	37.48	0.16	0.84	0.06	3.44	100.07	GA	almandine
76PL 5319	63 53	95 58	15	7087329	354343	27	87	0.40	0.20	0.73	78.02	0.46	11.12	0.10	0.11	0.00	91.13	SP	FeTi-oxide
76PL 5326	63 60	95 58	15	7099458	354920	27	88	0.11	0.14	0.04	89.96	0.00	0.06	0.03	0.06	0.00	90.40	SP	hematite
76PL 5351	63 35	95 58	15	7053973	352979	27	89	0.19	0.35	0.99	3.96	53.62	0.21	22.49	0.57	17.56	99.93	CP	Cr-diopside
76PL 5415	63 50	95 56	15	7080959	355385	27	90	1.63	0.00	21.59	26.51	39.90	0.20	5.86	0.06	5.14	100.89	GA	almandine
76PL 5415	63 50	95 56	15	7080959	355385	27	91	7.43	0.08	20.82	24.67	36.81	0.23	9.96	0.05	0.48	100.52	GA	almandine
76PL 5416	63 51	95 57	15	7082760	355174	27	92	0.60	0.00	20.98	32.56	37.40	0.13	6.35	0.12	2.32	100.46	GA	almandine
76PL 5416	63 51	95 57	15	7082760	355174	27	93	0.27	0.00	0.30	93.96	0.00	0.09	0.04	0.08	0.00	94.75	SP	magnetite
76PL 5420	63 54	95 56	15	7089014	356129	27	94	0.10	0.16	0.85	3.89	54.09	0.32	22.29	0.39	17.73	99.81	CP	diopside
76PL 5421	63 55	95 55	15	7090876	356585	27	95	0.07	0.23	0.62	3.34	54.29	0.30	23.13	0.29	17.73	100.01	CP	diopside
76PL 5421	63 55	95 55	15	7090876	356585	27	96	0.10	0.64	0.90	3.03	53.87	0.14	22.41	0.71	17.07	98.89	CP	Cr-diopside
76PL 5423	63 56	95 55	15	7093171	357191	27	97	0.44	0.25	0.08	90.59	0.00	0.21	0.03	0.11	0.00	91.70	BL	magnetite
76PL 5424	63 58	95 57	15	7095880	355739	27	98	0.12	0.07	0.16	90.36	0.10	0.16	0.06	0.09	0.00	91.12	SP	magnetite
76PL 5424	63 58	95 57	15	7095880	355739	27	99	0.22	0.28	0.11	90.34	0.00	0.17	0.07	0.13	0.00	91.31	SP	magnetite
76PL 5425	63 58	95 57	15	7097361	355791	27	100	0.16	0.59	1.03	3.68	54.55	0.37	23.06	0.14	17.70	101.28	CP	diopside
76PL 5450	63 36	95 56	15	7055278	354694	28	1	0.14	0.23	0.93	2.71	55.38	0.25	23.54	0.30	17.19	100.67	CP	diopside
76PL 5552	63 34	95 54	15	7051728	355948	28	2	0.20	0.35	1.16	3.54	55.01	0.12	22.54	0.47	17.30	100.69	CP	diopside
76PL 5617	63 51	95 52	15	7084065	359097	28	3	0.50	0.00	0.07	49.22	0.00	48.34	0.00	0.12	0.18	98.43	SP	ilmenite
76PL 5650	63 36	95 52	15	7055207	357650	28	4	0.13	1.11	1.62	3.30	54.00	0.22	21.44	0.59	16.77	99.19	CP	Cr-diopside
76PL 5650	63 36	95 52	15	7055207	357650	28	5	0.17	0.68	0.90	3.39	54.95	0.14	22.36	0.18	17.90	100.68	CP	diopside
76PL 5653	63 33	95 53	15	7050216	357132	28	6	0.07	0.40	0.97	4.01	55.02	0.22	23.38	0.04	16.12	100.24	CP	diopside
76PL 5653	63 33	95 53	15	7050216	357132	28	7	0.20	0.74	1.08	6.02	54.08	0.24	21.70	0.00	16.77	100.83	CP	diopside
76PL 5653	63 33	95 53	15	7050216	357132	28	8	0.18	0.27	0.91	3.78	54.11	0.29	22.49	0.32	17.37	99.72	CP	diopside
76PL 5653	63 33	95 53	15	7050216	357132	28	9	0.10	0.35	0.99	4.04	54.59	0.23	22.90	0.21	17.87	101.28	CP	diopside
76PL 5653	63 33	95 53	15	7050216	357132	28	10	0.10	0.20	0.59	4.46	55.27	0.23	22.15	0.06	15.80	98.86	CP	diopside
76PL 5721	63 55	95 50	15	7089917	360643	28	11	0.38	0.00	11.95	35.81	0.00	0.35	0.03	48.58	1.35	98.45	SP	chromite
76PL 5721	63 55	95 50	15	7089917	360643	28	12	0.55	0.00	0.13	47.89	0.00	49.14	0.03	0.10	0.00	97.84	SP	ilmenite
76PL 5721	63 55	95 50	15	7089917	360643	28	13	2.79	0.18	0.02	47.69	0.00	47.92	0.02	0.05	0.00	98.68	SP	ilmenite
76PL 5752	63 34	95 50	15	7051832	358991	28	14	0.20	0.21	1.35	3.28	55.29	0.23	22.03	0.59	17.60	100.79	CP	Cr-diopside
76PL 5752	63 34	95 50	15	7051832	358991	28	15	0.18	0.41	0.77	3.30	55.08	0.35	23.33	0.54	16.70	100.66	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 5753	63 33	95 50	15	7050249	359201	28	16	0.17	0.32	0.94	3.62	55.51	0.32	22.16	0.58	17.70	101.32	CP	Cr-diopside
76PL 5753	63 33	95 50	15	7050249	359201	28	17	0.07	0.23	0.59	3.02	55.12	0.19	23.33	0.48	17.60	100.65	CP	diopside
76PL 5814	63 48	95 47	15	7078307	363119	28	18	19.85	0.00	20.94	20.87	38.21	0.21	0.44	0.03	1.32	101.87	GA	almandine
76PL 5814	63 48	95 47	15	7078307	363119	28	19	0.15	0.00	20.91	32.32	38.60	0.19	6.76	0.08	2.56	101.58	GA	almandine
76PL 5814	63 48	95 47	15	7078307	363119	28	20	19.45	0.00	19.96	21.78	37.61	0.25	0.72	0.06	0.42	100.24	GA	almandine
76PL 5817	63 51	95 48	15	7083582	362351	28	22	0.11	0.00	23.38	11.66	38.77	0.12	22.87	0.01	0.00	96.92	CP	grossular
76PL 5818	63 53	95 48	15	7085977	362401	28	24	0.24	0.31	0.62	3.80	54.12	0.22	22.86	0.20	18.64	101.01	CP	diopside
76PL 5818	63 53	95 48	15	7085977	362401	28	23	5.49	0.00	20.94	23.87	38.85	0.22	10.23	0.00	0.75	100.36	GA	almandine
76PL 5819	63 54	95 48	15	7088034	362790	28	25	0.41	0.00	21.41	23.51	39.17	0.16	9.64	0.06	6.04	100.41	GA	almandine
76PL 5819	63 54	95 48	15	7088034	362790	28	26	6.94	0.00	20.03	26.92	38.05	0.14	3.66	0.04	3.09	98.87	GA	almandine
76PL 5852	63 34	95 49	15	7051576	360343	28	27	0.09	0.71	1.27	3.43	54.44	0.22	22.58	0.43	16.34	99.52	CP	diopside
76PL 5852	63 34	95 49	15	7051576	360343	28	28	0.23	0.40	0.89	3.46	53.41	0.29	22.58	0.52	18.45	100.24	CP	Cr-diopside
76PL 5853	63 33	95 48	15	7050470	361088	28	29	0.11	0.36	0.87	3.08	53.84	0.16	21.81	0.55	18.66	99.44	CP	Cr-diopside
76PL 5918	63 52	95 46	15	7085148	364207	28	30	0.23	0.39	0.80	3.42	54.64	0.31	23.48	0.54	16.61	100.42	CP	Cr-diopside
76PL 5918	63 52	95 46	15	7085148	364207	28	31	0.14	0.64	1.54	4.82	54.84	0.24	21.04	0.18	17.23	100.66	CP	diopside
76PL 5918	63 52	95 46	15	7085148	364207	28	32	0.06	0.25	0.71	3.31	54.81	0.22	23.02	0.48	18.09	100.95	CP	diopside
76PL 5919	63 53	95 47	15	7087383	363624	28	33	0.01	0.00	0.36	90.38	0.00	0.00	0.05	0.08	0.00	90.88	SP	magnetite
76PL 5921	63 55	95 46	15	7090354	364035	28	34	0.33	0.03	1.99	80.84	0.13	9.61	0.05	0.07	0.18	93.24	SP	FeTi-oxide
76PL 6427	64 00	95 37	15	7099630	372437	28	35	0.33	0.00	55.02	13.38	27.93	0.56	0.07	0.08	1.93	99.29	GA	staurolite
76PL 7424	63 58	95 17	15	7094393	388367	28	36	0.18	0.39	0.88	3.54	54.65	0.16	21.44	0.56	17.30	99.10	CP	Cr-diopside
76PL 7427	64 00	95 17	15	7099413	388279	28	37	1.73	0.00	19.63	26.77	38.58	0.17	11.65	0.10	0.93	99.55	GA	almandine
76PL 7427	64 00	95 17	15	7099413	388279	28	38	3.72	0.00	20.56	26.47	38.72	0.25	10.11	0.01	0.86	100.71	GA	almandine
76PL 7427	64 00	95 17	15	7099413	388279	28	39	0.15	0.23	0.11	95.05	0.00	0.00	0.07	0.31	0.00	95.93	SP	magnetite
76PL 7527	64 00	95 15	15	7099355	390202	28	42	0.15	0.43	1.65	5.33	53.93	0.18	21.07	0.23	16.82	99.80	CP	diopside
76PL 7527	64 00	95 15	15	7099355	390202	28	40	17.69	0.00	21.31	20.18	38.54	0.12	1.11	0.17	1.95	101.07	GA	almandine
76PL 7527	64 00	95 15	15	7099355	390202	28	41	21.51	0.06	19.86	19.02	37.16	0.21	0.69	0.09	0.65	99.23	GA	spessartine
76PL 7620	63 54	95 13	15	7087729	390887	28	43	0.22	0.49	1.20	3.98	55.38	0.18	21.33	0.80	17.58	101.15	CP	Cr-diopside
76PL 7625	63 59	95 13	15	7096137	391713	28	47	0.24	0.39	0.74	4.18	54.06	0.24	22.12	0.13	18.19	100.29	CP	diopside
76PL 7625	63 59	95 13	15	7096137	391713	28	45	0.58	0.05	21.11	24.64	39.29	0.30	5.74	0.10	7.41	99.22	GA	almandine
76PL 7625	63 59	95 13	15	7096137	391713	28	46	3.89	0.01	19.66	25.35	38.50	0.25	12.08	0.02	0.73	100.50	GA	almandine
76PL 7626	63 59	95 12	15	7097723	392065	28	48	5.09	0.03	19.74	24.43	38.52	0.23	11.59	0.03	0.87	100.52	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 7626	63 59	95 12	15	7097723	392065	28	50	0.26	0.00	0.32	92.98	0.00	0.05	0.03	0.19	0.00	93.82	SP	magnetite
76PL 7722	63 56	95 11	15	7091450	392844	28	52	0.25	0.52	0.85	2.74	54.21	0.17	22.79	0.45	17.61	99.58	CP	diopside
76PL 7722	63 56	95 11	15	7091450	392844	28	51	0.22	0.00	20.81	30.88	39.96	0.13	3.47	0.06	4.96	100.50	GA	almandine
76PL 7803	63 40	95 09	15	7060660	393504	28	53	1.13	0.00	20.74	25.99	38.57	0.20	7.65	0.06	4.99	99.33	GA	almandine
76PL 7803	63 40	95 09	15	7060660	393504	28	54	1.57	0.00	21.39	27.26	37.69	0.12	11.70	0.09	1.14	100.96	GA	almandine
76PL 7822	63 56	95 09	15	7091731	394314	28	55	0.59	0.00	21.25	23.68	39.93	0.21	6.73	0.07	7.47	99.92	GA	almandine
76PL 7825	63 58	95 09	15	7095571	394721	28	56	2.78	0.00	19.22	26.99	39.10	0.18	11.00	0.05	0.60	99.91	GA	almandine
76PL 7825	63 58	95 09	15	7095571	394721	28	57	0.60	0.00	20.72	21.92	38.67	0.18	9.85	0.09	7.04	99.08	GA	almandine
76PL 7903	63 40	95 07	15	7060661	395201	28	58	0.14	0.29	1.04	4.90	53.98	0.36	22.25	0.52	16.24	99.72	CP	Cr-diopside
76PL 7903	63 40	95 07	15	7060661	395201	28	59	0.13	0.45	1.04	3.23	53.64	0.19	21.85	0.70	17.66	98.90	CP	Cr-diopside
76PL 7903	63 40	95 07	15	7060661	395201	28	60	0.14	0.98	1.16	3.83	55.95	0.18	21.85	0.50	15.95	100.54	CP	Cr-diopside
76PL 7920	63 54	95 07	15	7087621	395896	28	61	1.23	0.00	20.16	32.93	37.59	0.13	4.24	0.15	2.73	99.15	GA	almandine
76PL 7921	63 55	95 07	15	7089981	396008	28	65	0.09	0.00	23.06	11.27	39.27	0.19	22.80	0.05	0.00	96.73	CP	grossular
76PL 7921	63 55	95 07	15	7089981	396008	28	62	15.77	0.00	21.17	19.23	38.38	0.10	5.94	0.10	0.67	101.34	GA	almandine
76PL 7921	63 55	95 07	15	7089981	396008	28	63	0.38	0.04	22.59	18.03	41.16	0.30	8.02	0.30	10.68	101.51	GA	almandine
76PL 7921	63 55	95 07	15	7089981	396008	28	64	1.42	0.00	19.96	27.72	38.55	0.27	11.55	0.09	1.00	100.55	GA	almandine
76PL 7922	63 56	95 08	15	7091638	395355	28	66	0.11	0.15	0.84	2.78	55.01	0.19	23.67	0.59	16.21	99.55	CP	Cr-diopside
76PL 7925	63 58	95 07	15	7095628	396447	28	67	4.31	0.00	20.11	25.22	38.70	0.28	11.38	0.09	0.31	100.39	GA	almandine
76PL 7925	63 58	95 07	15	7095628	396447	28	68	1.93	0.01	20.78	26.07	38.28	0.24	12.31	0.09	1.11	100.83	GA	almandine
76PL 8002	63 39	95 05	15	7058738	396529	28	70	0.06	0.42	1.40	4.45	53.93	0.36	22.42	0.68	16.67	100.39	CP	Cr-diopside
76PL 8002	63 39	95 05	15	7058738	396529	28	69	0.22	0.00	20.20	34.22	38.69	0.18	6.62	0.14	0.69	100.95	GA	almandine
76PL 8004	63 40	95 05	15	7062029	396562	28	71	0.22	0.49	1.39	3.40	53.71	0.30	21.16	1.21	18.06	99.95	CP	Cr-diopside
76PL 8004	63 40	95 05	15	7062029	396562	28	72	0.15	0.18	0.96	3.50	53.92	0.30	22.57	0.31	17.01	98.91	CP	diopside
76PL 8023	63 56	95 05	15	7091882	398048	28	74	0.09	0.22	1.08	3.09	53.70	0.32	23.46	0.83	16.67	99.45	CP	Cr-diopside
76PL 8023	63 56	95 05	15	7091882	398048	28	73	4.28	0.00	21.09	23.57	38.27	0.22	13.29	0.04	0.78	101.54	GA	almandine
76PL 8025	63 59	95 04	15	7095706	398633	28	76	0.13	0.30	1.11	4.03	54.58	0.17	22.13	0.18	17.38	100.01	CP	diopside
76PL 8025	63 59	95 04	15	7095706	398633	28	77	0.10	0.30	0.67	3.08	54.55	0.18	22.80	0.15	16.97	98.80	CP	diopside
76PL 8025	63 59	95 04	15	7095706	398633	28	78	0.03	0.21	0.84	3.27	54.35	0.13	23.29	0.16	17.00	99.27	CP	diopside
76PL 8025	63 59	95 04	15	7095706	398633	28	79	0.10	0.00	25.79	10.07	40.39	0.12	23.53	0.00	0.02	100.02	CP	grossular
76PL 8025	63 59	95 04	15	7095706	398633	28	75	23.71	0.00	20.69	18.12	36.52	0.19	1.01	0.06	0.63	100.94	GA	spessartine
76PL 8103	63 39	95 03	15	7060150	398147	28	82	0.17	0.48	0.53	3.35	55.79	0.16	23.72	0.09	16.13	100.41	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 8103	63 39	95 03	15	7060150	398147	28	80	2.87	0.00	21.84	30.02	38.64	0.13	2.01	0.10	5.17	100.78	GA	almandine
76PL 8103	63 39	95 03	15	7060150	398147	28	81	0.40	0.00	21.39	32.95	37.84	0.13	5.18	0.08	2.23	100.20	GA	almandine
76PL 8120	63 54	95 03	15	7087930	399550	28	85	0.11	0.98	0.81	4.87	54.06	0.19	23.66	0.12	16.12	100.93	CP	diopside
76PL 8120	63 54	95 03	15	7087930	399550	28	86	0.20	0.90	0.78	5.41	53.92	0.12	23.63	0.33	14.61	99.90	CP	diopside
76PL 8120	63 54	95 03	15	7087930	399550	28	87	0.24	0.29	0.76	3.67	55.56	0.25	22.37	0.07	17.62	100.83	CP	diopside
76PL 8120	63 54	95 03	15	7087930	399550	28	83	1.25	0.00	20.32	25.93	38.41	0.17	12.99	0.05	0.90	100.02	GA	almandine
76PL 8120	63 54	95 03	15	7087930	399550	28	84	0.42	0.01	21.68	23.02	40.22	0.22	6.26	0.05	8.00	99.88	GA	almandine
76PL 8123	63 57	95 03	15	7092247	399509	28	97	0.15	0.31	0.76	3.13	54.68	0.16	21.50	0.31	19.35	100.34	CP	diopside
76PL 8123	63 57	95 03	15	7092247	399509	28	88	0.61	0.00	21.64	23.02	39.90	0.33	5.82	0.31	8.78	100.40	GA	almandine
76PL 8123	63 57	95 03	15	7092247	399509	28	89	2.49	0.00	20.57	25.14	37.21	0.21	12.06	0.10	1.07	98.85	GA	almandine
76PL 8123	63 57	95 03	15	7092247	399509	28	90	3.20	0.00	21.24	26.65	37.79	0.18	10.60	0.05	1.12	100.83	GA	almandine
76PL 8123	63 57	95 03	15	7092247	399509	28	91	0.83	0.00	22.01	23.23	39.52	0.16	4.90	0.07	9.45	100.17	GA	almandine
76PL 8123	63 57	95 03	15	7092247	399509	28	94	24.92	0.00	20.37	16.18	37.20	0.22	1.14	0.04	0.39	100.45	GA	spessartine
76PL 8123	63 57	95 03	15	7092247	399509	28	96	0.40	0.00	21.46	29.71	38.48	0.15	1.14	0.11	8.07	99.53	GA	almandine
76PL 8124	63 58	95 03	15	7093881	399672	28	98	0.48	0.00	21.93	18.73	39.86	0.20	8.84	0.12	8.95	99.11	GA	almandine
76PL 8124	63 58	95 03	15	7093881	399672	28	99	1.26	0.00	21.62	29.69	38.31	0.13	6.48	0.04	3.29	100.82	GA	almandine
76PL 8127	64 00	95 02	15	7098752	400351	29	1	0.45	0.04	21.70	18.03	39.59	0.17	8.34	0.14	10.18	98.64	GA	almandine
76PL 8127	64 00	95 02	15	7098752	400351	29	2	3.37	0.00	21.34	26.46	38.19	0.13	11.32	0.05	0.75	101.61	GA	almandine
76PL 8127	64 00	95 02	15	7098752	400351	29	3	2.90	0.03	21.06	26.99	36.49	0.18	10.84	0.01	0.72	99.23	GA	almandine
76PL 8202	63 39	95 01	15	7058837	399801	29	4	0.20	0.20	0.76	3.82	54.75	0.23	21.71	0.26	18.42	100.34	CP	diopside
76PL 8203	63 40	95 02	15	7060363	399703	29	5	0.20	0.16	0.67	3.15	54.40	0.21	23.66	0.30	17.24	99.99	CP	diopside
76PL 8204	63 40	95 01	15	7062144	400001	29	9	0.15	1.15	0.42	4.04	53.26	0.37	23.18	0.37	15.91	98.86	CP	diopside
76PL 8204	63 40	95 01	15	7062144	400001	29	10	0.07	0.28	0.31	2.37	54.24	0.10	23.57	0.17	17.52	98.63	CP	diopside
76PL 8204	63 40	95 01	15	7062144	400001	29	6	4.53	0.00	20.19	23.71	37.53	0.21	12.78	0.15	0.63	99.73	GA	almandine
76PL 8204	63 40	95 01	15	7062144	400001	29	7	0.44	0.01	21.18	20.94	39.86	0.28	9.23	0.00	8.14	100.07	GA	almandine
76PL 8204	63 40	95 01	15	7062144	400001	29	8	0.48	0.03	0.32	87.24	0.07	0.35	0.09	0.14	0.00	88.73	SP	hematite
76PL 8205	63 41	95 01	15	7063767	399895	29	11	0.08	0.00	0.12	1.29	0.00	95.63	0.00	0.11	0.00	97.22	SP	rutile
76PL 8220	63 54	95 01	15	7087807	401164	29	12	3.71	0.00	20.02	25.25	37.95	0.15	11.80	0.09	0.94	99.92	GA	almandine
76PL 8221	63 55	95 01	15	7089574	400747	29	13	0.24	0.25	0.98	3.84	54.41	0.31	23.60	0.36	17.11	101.10	CP	diopside
76PL 8221	63 55	95 01	15	7089574	400747	29	14	0.57	0.31	0.51	4.23	54.35	0.13	24.85	0.09	14.89	99.93	CP	diopside
76PL 8224	63 58	95 01	15	7093852	400857	29	15	4.00	0.03	20.43	25.18	36.55	0.16	11.90	0.08	0.58	98.91	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 8225	63 59	95 00	15	7095889	401743	29	16	0.07	0.00	0.02	0.01	97.47	0.10	0.00	0.05	0.00	97.72	GA	quartz
76PL 8303	63 39	94 60	15	7060219	401124	29	17	0.50	0.00	22.23	24.46	39.30	0.22	4.15	0.09	10.52	101.47	GA	almandine
76PL 8303	63 39	94 60	15	7060219	401124	29	18	19.59	0.00	20.56	21.34	37.85	0.17	1.18	0.07	0.78	101.56	GA	almandine
76PL 8303	63 39	94 60	15	7060219	401124	29	19	0.93	0.00	21.25	30.54	39.36	0.24	4.96	0.11	3.95	101.32	GA	almandine
76PL 8303	63 39	94 60	15	7060219	401124	29	20	15.67	0.00	20.21	25.16	37.37	0.22	0.83	0.11	0.56	100.13	GA	almandine
76PL 8321	63 55	94 60	15	7088989	402158	29	21	1.02	0.00	21.74	23.36	39.49	0.29	9.83	0.19	5.00	100.91	GA	almandine
76PL 8324	63 58	94 60	15	7093933	402355	29	22	2.22	0.00	21.39	25.65	37.50	0.14	13.11	0.05	0.93	100.99	GA	almandine
76PL 8324	63 58	94 60	15	7093933	402355	29	23	3.15	0.00	20.47	24.32	38.30	0.25	13.21	0.07	0.79	100.54	GA	almandine
76PL 8324	63 58	94 60	15	7093933	402355	29	24	2.45	0.03	20.34	25.63	38.79	0.15	12.24	0.00	0.86	100.49	GA	almandine
76PL 8327	64 00	94 59	15	7098970	402643	29	25	4.18	0.00	20.91	24.15	38.21	0.18	13.11	0.06	0.67	101.48	GA	almandine
76PL 8327	64 00	94 59	15	7098970	402643	29	26	27.06	0.00	20.19	14.77	37.79	0.26	0.89	0.05	0.00	101.01	GA	spessartine
76PL 8327	64 00	94 59	15	7098970	402643	29	27	0.88	0.10	21.75	25.98	39.07	0.41	6.53	0.14	5.95	100.79	GA	almandine
76PL 8327	64 00	94 59	15	7098970	402643	29	28	3.39	0.01	20.75	23.68	37.37	0.17	12.58	0.13	0.86	98.94	GA	almandine
76PL 8327	64 00	94 59	15	7098970	402643	29	29	2.36	0.11	19.10	26.37	37.92	0.23	11.41	0.05	1.15	98.70	GA	almandine
76PL 8327	64 00	94 59	15	7098970	402643	29	30	0.35	0.12	21.37	23.22	39.40	0.25	10.04	0.00	5.89	100.64	GA	almandine
76PL 8402	63 39	94 58	15	7058572	402684	29	31	0.13	0.39	0.83	2.93	54.63	0.17	22.47	0.76	17.78	100.08	CP	Cr-diopside
76PL 8422	63 56	94 57	15	7090588	404233	29	32	23.97	0.05	20.66	17.44	36.88	0.12	1.26	0.13	0.24	100.74	GA	spessartine
76PL 8422	63 56	94 57	15	7090588	404233	29	33	1.00	0.06	21.32	20.23	38.88	0.25	12.01	0.08	6.50	100.32	GA	almandine
76PL 8423	63 57	94 58	15	7092039	403748	29	37	1.14	0.00	20.55	26.34	38.42	0.21	11.89	0.10	1.09	99.75	GA	almandine
76PL 8423	63 57	94 58	15	7092039	403748	29	34	1.88	0.01	20.66	23.74	37.82	0.23	14.00	0.05	0.78	99.17	GA	almandine
76PL 8423	63 57	94 58	15	7092039	403748	29	35	0.64	0.00	21.40	24.68	38.31	0.20	7.74	0.18	6.82	99.97	GA	almandine
76PL 8423	63 57	94 58	15	7092039	403748	29	36	0.55	0.06	21.54	24.04	38.72	0.22	7.56	0.11	6.97	99.79	GA	almandine
76PL 8423	63 57	94 58	15	7092039	403748	29	38	0.26	0.00	23.88	11.94	37.92	0.33	23.77	0.09	0.00	98.18	GA	grossular
76PL 8425	63 59	94 57	15	7095832	404688	29	40	0.04	0.30	1.53	3.70	57.68	0.07	11.90	0.63	22.14	97.99	CP	amphibole
76PL 8425	63 59	94 57	15	7095832	404688	29	39	22.42	0.03	20.84	19.73	37.12	0.18	0.63	0.06	0.68	101.69	GA	spessartine
76PL 8503	63 39	94 56	15	7060130	404310	29	41	0.78	0.06	21.47	21.37	40.29	0.15	5.93	0.06	10.69	100.81	GA	almandine
76PL 8504	63 40	94 56	15	7061567	404577	29	42	0.05	0.56	1.44	4.36	54.12	0.39	23.47	0.35	15.94	100.67	CP	diopside
76PL 8520	63 54	94 55	15	7086925	405839	29	46	0.04	0.77	3.35	4.08	53.12	0.53	19.41	1.02	17.99	100.32	CP	Cr-diopside
76PL 8520	63 54	94 55	15	7086925	405839	29	43	0.41	0.03	21.85	17.84	39.72	0.25	8.81	0.00	9.68	98.59	GA	almandine
76PL 8520	63 54	94 55	15	7086925	405839	29	44	1.00	0.05	21.34	26.81	38.05	0.22	12.81	0.08	1.05	101.40	GA	almandine
76PL 8520	63 54	94 55	15	7086925	405839	29	45	0.69	0.01	21.00	23.86	39.33	0.38	6.76	0.07	7.38	99.47	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 8521	63 55	94 55	15	7088641	405904	29	47	3.95	0.00	20.72	23.87	39.08	0.12	12.44	0.08	0.72	100.98	GA	almandine
76PL 8521	63 55	94 55	15	7088641	405904	29	48	2.99	0.01	20.57	26.22	37.19	0.26	11.69	0.04	1.03	100.01	GA	almandine
76PL 8522	63 56	94 55	15	7090631	405869	29	54	0.21	0.63	0.95	4.05	53.40	0.28	22.96	0.55	16.75	99.78	CP	Cr-diopside
76PL 8522	63 56	94 55	15	7090631	405869	29	49	0.44	0.04	21.84	18.78	39.49	0.24	7.93	0.11	10.39	99.26	GA	almandine
76PL 8522	63 56	94 55	15	7090631	405869	29	50	1.71	0.00	20.52	25.83	37.35	0.17	12.69	0.03	0.51	98.80	GA	almandine
76PL 8522	63 56	94 55	15	7090631	405869	29	51	1.85	0.00	21.14	25.62	38.22	0.15	13.28	0.02	0.88	101.16	GA	almandine
76PL 8522	63 56	94 55	15	7090631	405869	29	52	0.40	0.09	23.04	21.91	40.12	0.24	4.52	0.09	10.15	100.57	GA	almandine
76PL 8522	63 56	94 55	15	7090631	405869	29	53	1.24	0.03	20.88	20.92	39.71	0.33	10.66	0.09	6.30	100.17	GA	almandine
76PL 8525	63 59	94 55	15	7095616	406259	29	58	4.74	0.00	21.04	23.67	37.47	0.23	13.04	0.05	0.63	100.86	GA	almandine
76PL 8525	63 59	94 55	15	7095616	406259	29	59	0.61	0.00	21.78	23.93	39.29	0.30	6.06	0.13	8.80	100.89	GA	almandine
76PL 8525	63 59	94 55	15	7095616	406259	29	60	2.53	0.07	21.59	25.35	38.14	0.21	12.34	0.08	1.09	101.39	GA	almandine
76PL 8525	63 59	94 55	15	7095616	406259	29	61	2.96	0.03	20.24	25.38	37.85	0.22	13.51	0.10	0.56	100.86	GA	almandine
76PL 8525	63 59	94 55	15	7095616	406259	29	55	2.15	0.00	19.73	26.41	38.08	0.16	11.49	0.12	1.15	99.28	GA	almandine
76PL 8525	63 59	94 55	15	7095616	406259	29	56	1.12	0.00	20.47	28.32	37.86	0.44	8.21	0.09	2.93	99.45	GA	almandine
76PL 8525	63 59	94 55	15	7095616	406259	29	57	0.30	0.06	54.44	12.43	28.04	0.58	0.04	0.01	1.40	97.30	GA	staurolite
76PL 8525	63 59	94 55	15	7095616	406259	29	62	0.31	0.01	20.25	32.20	36.95	0.27	8.61	0.10	0.57	99.27	GA	almandine
76PL 8525	63 59	94 55	15	7095616	406259	29	63	24.72	0.15	20.90	14.29	37.19	0.14	1.28	0.09	0.72	99.48	GA	spessartine
76PL 8525	63 59	94 55	15	7095616	406259	29	64	0.54	0.00	22.06	27.92	38.79	0.21	4.09	0.17	7.47	101.24	GA	almandine
76PL 8525	63 59	94 55	15	7095616	406259	29	65	23.44	0.00	20.58	15.89	37.32	0.15	0.75	0.06	1.66	99.86	GA	spessartine
76PL 8525	63 59	94 55	15	7095616	406259	29	66	0.04	0.00	0.13	0.72	0.00	96.81	0.00	0.13	0.00	97.83	SP	rutile
76PL 8526	63 60	94 55	15	7097472	406217	29	67	0.44	0.00	21.81	22.08	38.20	0.33	9.43	0.13	7.50	99.92	GA	almandine
76PL 8526	63 60	94 55	15	7097472	406217	29	68	23.82	0.00	21.08	17.16	36.37	0.29	0.73	0.09	0.51	100.05	GA	spessartine
76PL 8526	63 60	94 55	15	7097472	406217	29	69	2.17	0.00	20.75	26.60	37.68	0.28	12.14	0.05	1.06	100.72	GA	almandine
76PL 8526	63 60	94 55	15	7097472	406217	29	70	0.21	0.00	21.97	23.24	38.58	0.24	9.11	0.11	6.69	100.15	GA	almandine
76PL 8526	63 60	94 55	15	7097472	406217	29	71	0.30	0.00	21.11	26.60	38.46	0.18	3.43	0.05	8.45	98.58	GA	almandine
76PL 8526	63 60	94 55	15	7097472	406217	29	72	3.18	0.00	20.09	26.74	37.04	0.20	11.02	0.13	0.76	99.15	GA	almandine
76PL 8526	63 60	94 55	15	7097472	406217	29	73	2.21	0.00	20.82	25.51	39.13	0.22	12.73	0.06	0.81	101.49	GA	almandine
76PL 8526	63 60	94 55	15	7097472	406217	29	74	0.74	0.00	21.67	25.03	39.54	0.22	6.12	0.14	6.93	100.40	GA	almandine
76PL 8526	63 60	94 55	15	7097472	406217	29	75	0.59	0.00	21.61	28.16	39.18	0.29	5.79	0.06	4.95	100.63	GA	almandine
76PL 8526	63 60	94 55	15	7097472	406217	29	76	0.43	0.08	21.27	27.26	38.78	0.19	6.95	0.02	4.75	99.74	GA	almandine
76PL 8602	63 39	94 54	15	7058570	406027	29	80	0.20	0.31	0.90	4.02	53.73	0.19	23.47	0.15	16.33	99.28	CP	diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 8602	63 39	94 54	15	7058570	406027	29	77	23.76	0.00	20.37	18.05	38.02	0.13	0.74	0.06	0.46	101.59	GA	spessartine
76PL 8602	63 39	94 54	15	7058570	406027	29	78	0.70	0.00	22.46	24.42	38.63	0.24	5.82	0.16	8.06	100.49	GA	almandine
76PL 8602	63 39	94 54	15	7058570	406027	29	79	1.89	0.00	19.97	25.85	37.96	0.23	12.60	0.04	0.77	99.32	GA	almandine
76PL 8604	63 41	94 54	15	7062153	406101	29	82	0.26	0.69	1.32	4.72	54.58	0.13	22.34	0.79	15.26	100.09	CP	Cr-diopside
76PL 8604	63 41	94 54	15	7062153	406101	29	81	0.32	0.12	0.16	90.25	0.00	0.07	0.02	0.11	0.00	91.04	SP	magnetite
76PL 8606	63 42	94 54	15	7064813	406203	29	83	0.59	0.07	20.68	28.70	39.23	0.29	6.94	0.12	3.52	100.14	GA	almandine
76PL 8606	63 42	94 54	15	7064813	406203	29	84	0.59	0.00	21.40	23.01	39.24	0.18	3.88	0.06	10.39	98.76	GA	almandine
76PL 8606	63 42	94 54	15	7064813	406203	29	85	0.77	0.00	21.80	24.58	38.95	0.26	5.79	0.09	7.57	99.82	GA	almandine
76PL 8607	63 43	94 54	15	7066401	405904	29	87	0.21	0.57	0.90	3.25	54.90	0.31	23.18	0.26	16.95	100.55	CP	diopside
76PL 8607	63 43	94 54	15	7066401	405904	29	88	0.09	0.56	0.87	4.54	54.15	0.48	23.51	0.21	16.44	100.86	CP	diopside
76PL 8607	63 43	94 54	15	7066401	405904	29	86	0.61	0.00	21.85	25.02	38.28	0.34	6.54	0.10	7.27	100.01	GA	almandine
76PL 8702	63 39	94 52	15	7058502	407465	29	89	3.72	0.00	20.27	24.33	37.99	0.18	13.54	0.05	0.30	100.38	GA	almandine
76PL 8702	63 39	94 52	15	7058502	407465	29	90	0.38	0.04	22.35	19.86	40.81	0.33	5.85	0.05	11.48	101.17	GA	almandine
76PL 8702	63 39	94 52	15	7058502	407465	29	91	3.41	0.00	20.94	22.62	38.03	0.22	15.27	0.10	0.53	101.12	GA	almandine
76PL 8702	63 39	94 52	15	7058502	407465	29	92	0.42	0.00	21.06	24.14	39.03	0.30	5.27	0.13	8.41	98.74	GA	almandine
76PL 8702	63 39	94 52	15	7058502	407465	29	93	0.34	0.01	22.62	21.29	39.10	0.19	10.38	0.08	7.13	101.14	GA	almandine
76PL 8703	63 40	94 52	15	7060346	407397	29	94	0.68	0.00	21.66	24.76	39.58	0.26	6.13	0.14	8.23	101.44	GA	almandine
76PL 8703	63 40	94 52	15	7060346	407397	29	95	0.52	0.00	22.65	22.14	39.69	0.17	6.08	0.15	9.98	101.38	GA	almandine
76PL 8703	63 40	94 52	15	7060346	407397	29	96	0.58	0.00	21.41	21.38	38.76	0.17	9.20	0.03	7.92	99.45	GA	almandine
76PL 8703	63 40	94 52	15	7060346	407397	29	97	3.29	0.00	19.98	25.83	37.19	0.32	11.31	0.05	0.94	98.91	GA	almandine
76PL 8706	63 42	94 52	15	7064842	407609	29	98	2.45	0.00	21.38	26.59	38.52	0.19	11.37	0.05	1.12	101.66	GA	almandine
76PL 8721	63 55	94 52	15	7088914	408636	29	99	0.15	0.27	0.65	3.31	54.58	0.25	22.78	0.47	17.83	100.28	CP	diopside
76PL 8722	63 56	94 51	15	7090586	409439	29	100	0.60	0.01	22.80	20.52	40.05	0.27	7.68	0.03	9.24	101.19	GA	almandine
76PL 8722	63 56	94 51	15	7090586	409439	29	101	0.56	0.00	21.52	27.88	40.04	0.20	3.91	0.17	7.23	101.51	GA	almandine
76PL 8726	64 00	94 52	15	7098541	409089	30	2	19.60	0.13	21.34	21.07	37.18	0.16	1.14	0.06	0.85	101.53	GA	almandine
76PL 8726	64 00	94 52	15	7098541	409089	30	3	3.31	0.00	20.21	25.16	36.80	0.19	12.16	0.09	1.00	98.93	GA	almandine
76PL 8726	64 00	94 52	15	7098541	409089	30	4	3.77	0.00	20.62	25.32	38.40	0.29	11.60	0.05	0.63	100.69	GA	almandine
76PL 8726	64 00	94 52	15	7098541	409089	30	5	3.60	0.00	19.75	23.86	38.63	0.24	12.55	0.08	0.60	99.30	GA	almandine
76PL 8726	64 00	94 52	15	7098541	409089	30	6	0.89	0.00	20.83	26.87	38.61	0.30	12.25	0.04	1.14	100.93	GA	almandine
76PL 8726	64 00	94 52	15	7098541	409089	30	1	0.95	0.00	20.89	27.07	38.08	0.11	13.09	0.06	0.81	101.06	GA	almandine
76PL 8803	63 40	94 50	15	7060359	408878	30	11	0.16	0.32	1.60	4.21	55.80	0.10	12.30	0.15	22.17	96.80	CP	amphibole

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 8803	63 40	94 50	15	7060359	408878	30	7	0.50	0.00	21.53	21.48	39.58	0.36	5.81	0.07	9.40	98.74	GA	almandine
76PL 8803	63 40	94 50	15	7060359	408878	30	8	1.19	0.00	20.56	26.46	39.33	0.22	9.10	0.11	2.95	99.92	GA	almandine
76PL 8803	63 40	94 50	15	7060359	408878	30	9	0.84	0.05	21.63	25.36	39.42	0.33	6.68	0.09	6.75	101.15	GA	almandine
76PL 8803	63 40	94 50	15	7060359	408878	30	10	2.74	0.00	20.66	25.33	37.95	0.19	12.53	0.05	0.75	100.20	GA	almandine
76PL 8803	63 40	94 50	15	7060359	408878	33	1	0.19	0.17	28.41	13.30	0.00	0.18	0.00	39.75	16.82	98.82	SP	Cr-spinel
76PL 8821	63 55	94 50	15	7088750	410440	30	12	0.63	0.00	20.88	27.07	39.19	0.19	7.91	0.19	4.26	100.32	GA	almandine
76PL 8821	63 55	94 50	15	7088750	410440	30	13	1.57	0.00	20.16	25.04	37.86	0.19	13.52	0.06	0.83	99.24	GA	almandine
76PL 8821	63 55	94 50	15	7088750	410440	30	14	0.58	0.01	21.24	22.99	39.59	0.25	8.36	0.04	8.01	101.06	GA	almandine
76PL 8821	63 55	94 50	15	7088750	410440	30	15	0.45	0.00	22.46	19.46	39.87	0.20	8.04	0.05	10.46	100.99	GA	almandine
76PL 8821	63 55	94 50	15	7088750	410440	30	16	0.32	0.05	15.77	18.47	34.66	9.91	17.64	0.08	2.22	99.11	GA	melanite
76PL 8821	63 55	94 50	15	7088750	410440	30	17	3.38	0.20	19.77	24.28	38.36	0.24	12.52	0.07	1.07	99.89	GA	almandine
76PL 8821	63 55	94 50	15	7088750	410440	30	18	0.62	0.00	20.98	27.72	39.34	0.38	6.55	0.06	5.20	100.84	GA	almandine
76PL 8821	63 55	94 50	15	7088750	410440	30	19	0.63	0.00	20.74	29.77	38.24	0.16	2.59	0.05	7.14	99.33	GA	almandine
76PL 8825	63 58	94 49	15	7095189	410895	30	20	0.72	0.00	21.50	26.26	39.67	0.20	5.36	0.03	7.10	100.84	GA	almandine
76PL 8825	63 58	94 49	15	7095189	410895	30	21	24.30	0.00	20.78	17.91	36.97	0.12	1.03	0.03	0.44	101.57	GA	spessartine
76PL 8825	63 58	94 49	15	7095189	410895	30	22	0.62	0.01	21.56	25.03	38.93	0.29	6.10	0.05	8.16	100.76	GA	almandine
76PL 8825	63 58	94 49	15	7095189	410895	30	23	4.50	0.00	21.24	23.09	37.86	0.20	11.36	0.13	1.23	99.61	GA	almandine
76PL 8825	63 58	94 49	15	7095189	410895	30	24	0.73	0.00	21.44	23.47	38.48	0.20	10.59	0.05	5.03	99.99	GA	almandine
76PL 8825	63 58	94 49	15	7095189	410895	30	25	1.82	0.00	20.87	26.71	37.50	0.09	12.03	0.07	1.38	100.47	GA	almandine
76PL 8825	63 58	94 49	15	7095189	410895	30	26	2.90	0.00	20.33	25.62	39.03	0.23	12.28	0.06	1.22	101.67	GA	almandine
76PL 8825	63 58	94 49	15	7095189	410895	30	27	0.58	0.00	22.14	25.80	39.13	0.25	8.42	0.04	5.22	101.58	GA	almandine
76PL 8825	63 58	94 49	15	7095189	410895	30	28	4.15	0.00	20.43	24.11	38.15	0.19	12.72	0.09	0.65	100.50	GA	almandine
76PL 8825	63 58	94 49	15	7095189	410895	30	29	26.40	0.00	20.31	15.83	36.04	0.17	0.77	0.07	0.71	100.30	GA	spessartine
76PL 8825	63 58	94 49	15	7095189	410895	30	30	0.92	0.03	20.85	25.58	38.91	0.23	6.15	0.15	7.13	99.96	GA	almandine
76PL 8825	63 58	94 49	15	7095189	410895	30	31	1.26	0.00	21.28	26.25	38.47	0.36	8.97	0.11	3.78	100.49	GA	almandine
76PL 8827	64 00	94 49	15	7098236	411243	30	33	0.09	0.46	0.78	2.96	55.64	0.16	22.79	0.35	18.16	101.38	CP	diopside
76PL 8827	64 00	94 49	15	7098236	411243	30	34	0.12	1.11	1.24	3.08	53.73	0.20	21.04	1.73	16.77	99.02	CP	Cr-diopside
76PL 8827	64 00	94 49	15	7098236	411243	30	32	0.78	0.00	22.07	25.64	38.66	0.35	6.16	0.13	6.36	100.15	GA	almandine
76PL 8902	63 39	94 49	15	7058546	410428	30	35	0.20	0.53	1.65	3.82	54.68	0.16	20.89	0.89	17.22	100.03	CP	Cr-diopside
76PL 8903	63 40	94 48	15	7060850	411111	30	36	0.67	0.00	20.72	26.51	39.66	0.30	6.36	0.09	6.99	101.29	GA	almandine
76PL 8903	63 40	94 48	15	7060850	411111	30	37	0.76	0.00	21.29	23.45	39.62	0.28	7.43	0.12	7.54	100.49	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 8903	63 40	94 48	15	7060850	411111	30	38	30.12	0.03	21.49	11.87	36.15	0.23	1.25	0.07	0.00	101.22	GA	spessartine
76PL 8903	63 40	94 48	15	7060850	411111	30	39	18.23	0.00	21.63	23.37	36.56	0.20	0.62	0.06	0.79	101.47	GA	almandine
76PL 8903	63 40	94 48	15	7060850	411111	30	40	0.43	0.00	20.37	24.71	39.16	0.22	9.71	0.03	5.60	100.23	GA	almandine
76PL 8907	63 43	94 48	15	7066417	411380	30	42	0.09	0.22	0.42	3.11	54.35	0.32	22.94	0.41	17.50	99.36	CP	diopside
76PL 8907	63 43	94 48	15	7066417	411380	30	41	1.20	0.00	20.79	23.66	39.40	0.28	10.03	0.04	5.36	100.76	GA	almandine
76PL 8921	63 55	94 48	15	7088881	412106	30	43	2.37	0.00	20.34	24.88	38.32	0.28	14.07	0.06	0.82	101.13	GA	almandine
76PL 8922	63 56	94 47	15	7090487	412191	30	46	0.23	0.00	24.84	11.07	39.17	0.06	21.49	0.01	0.00	96.87	CP	grossular
76PL 8922	63 56	94 47	15	7090487	412191	30	44	0.74	0.05	20.10	29.55	38.47	0.28	7.27	0.05	3.76	100.28	GA	almandine
76PL 8922	63 56	94 47	15	7090487	412191	30	45	3.64	0.00	20.47	24.67	38.40	0.37	12.60	0.06	0.91	101.12	GA	almandine
76PL 8924	63 57	94 48	15	7093304	412237	30	47	0.52	0.00	21.34	22.12	40.30	0.19	6.12	0.11	9.81	100.50	GA	almandine
76PL 8924	63 57	94 48	15	7093304	412237	30	48	0.15	0.20	0.01	94.67	0.00	0.09	0.01	0.15	0.00	95.28	IL	magnetite
76PL 8925	63 58	94 47	15	7095093	412370	30	49	0.66	0.00	22.49	25.75	38.35	0.23	6.51	0.09	7.22	101.31	GA	almandine
76PL 8925	63 58	94 47	15	7095093	412370	30	50	0.49	0.03	21.93	26.75	38.35	0.34	6.90	0.11	5.71	100.61	GA	almandine
76PL 8925	63 58	94 47	15	7095093	412370	30	51	0.06	0.00	0.04	0.12	98.59	0.06	0.08	0.00	0.03	98.98	GA	quartz
76PL 8925	63 58	94 47	15	7095093	412370	30	52	2.60	0.01	20.33	25.35	39.64	0.21	12.38	0.12	0.70	101.33	GA	almandine
76PL 8925	63 58	94 47	15	7095093	412370	30	53	2.06	0.00	21.25	25.64	38.27	0.17	12.66	0.07	0.77	100.90	GA	almandine
76PL 8926	63 59	94 46	15	7096388	413293	30	54	0.70	0.05	21.46	24.08	40.54	0.26	4.60	0.08	9.37	101.15	GA	almandine
76PL 8926	63 59	94 46	15	7096388	413293	30	55	0.74	0.07	20.97	27.67	39.29	0.37	6.89	0.11	5.26	101.37	GA	almandine
76PL 9003	63 40	94 46	15	7060329	412883	30	57	0.14	0.47	1.29	3.77	54.57	0.23	21.97	1.00	16.68	100.13	CP	Cr-diopside
76PL 9003	63 40	94 46	15	7060329	412883	30	58	0.20	0.08	23.50	12.90	38.73	0.08	23.38	0.05	0.10	99.02	CP	grossular
76PL 9003	63 40	94 46	15	7060329	412883	30	56	0.43	0.16	21.17	23.71	39.81	0.28	6.85	0.08	8.22	100.71	GA	almandine
76PL 9007	63 43	94 46	15	7066428	412886	30	59	0.15	0.42	1.27	4.99	53.42	0.22	21.10	0.37	17.95	99.89	CP	diopside
76PL 9022	63 56	94 45	15	7090496	413990	30	60	20.25	0.05	21.10	20.52	36.79	0.14	1.14	0.07	0.79	100.85	GA	spessartine
76PL 9022	63 56	94 45	15	7090496	413990	30	61	0.32	0.01	20.97	29.08	38.37	0.29	6.72	0.01	4.40	100.18	GA	almandine
76PL 9024	63 57	94 45	15	7093235	414046	30	62	2.90	0.01	20.67	25.91	38.06	0.10	12.43	0.05	0.99	101.13	GA	almandine
76PL 9024	63 57	94 45	15	7093235	414046	30	63	2.26	0.07	20.44	26.05	38.12	0.27	13.19	0.05	0.75	101.19	GA	almandine
76PL 9024	63 57	94 45	15	7093235	414046	30	64	3.40	0.00	21.01	25.56	37.79	0.27	12.30	0.08	0.78	101.18	GA	almandine
76PL 9025	63 58	94 45	15	7094704	414200	30	65	0.87	0.00	20.09	24.11	39.91	0.27	8.39	0.08	5.53	99.25	GA	almandine
76PL 9025	63 58	94 45	15	7094704	414200	30	66	3.31	0.09	20.25	24.76	37.98	0.20	12.96	0.09	0.94	100.58	GA	almandine
76PL 9026	63 59	94 45	15	7096625	414633	30	72	0.12	0.25	0.70	2.81	54.09	0.27	23.01	0.34	17.60	99.20	CP	diopside
76PL 9026	63 59	94 45	15	7096625	414633	30	67	0.30	0.12	21.42	23.12	39.33	0.57	8.97	0.07	6.49	100.37	GA	almandine

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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														
76PL 9026	63 59	94 45	15	7096625	414633	30	68	0.50	0.00	21.70	23.28	40.20	0.20	7.64	0.07	7.67	101.27	GA	almandine
76PL 9026	63 59	94 45	15	7096625	414633	30	69	1.37	0.00	20.62	26.44	38.23	0.21	8.66	0.00	3.15	98.67	GA	almandine
76PL 9026	63 59	94 45	15	7096625	414633	30	70	3.38	0.01	21.30	24.54	37.63	0.26	13.50	0.00	0.75	101.37	GA	almandine
76PL 9026	63 59	94 45	15	7096625	414633	30	71	3.94	0.00	20.57	24.24	37.26	0.30	13.63	0.07	0.49	100.51	GA	almandine
76PL 9107	63 43	94 44	15	7066532	414321	30	74	0.30	0.25	1.13	3.72	54.50	0.27	22.28	0.10	18.14	100.69	CP	diopside
76PL 9107	63 43	94 44	15	7066532	414321	30	75	0.29	0.00	22.77	12.90	39.40	0.20	22.29	0.06	0.30	98.20	CP	grossular
76PL 9107	63 43	94 44	15	7066532	414321	30	76	0.09	0.43	0.97	3.00	55.42	0.23	22.54	0.67	16.35	99.70	CP	Cr-diopside
76PL 9107	63 43	94 44	15	7066532	414321	30	73	2.57	0.03	20.16	26.76	37.98	0.10	11.28	0.11	1.04	100.03	GA	almandine
76PL 9122	63 56	94 45	15	7090142	414520	30	77	3.72	0.00	19.71	25.55	38.74	0.16	11.53	0.05	0.80	100.26	GA	almandine

Duplicates

Original Sample
Number

75KY 0001	63 49	97 04	14	7077671	594827	30	78	0.09	0.75	0.74	3.85	54.20	0.16	22.56	0.18	16.28	98.83	CP	diopside	7501 1914
75KY 0001	63 49	97 04	14	7077671	594827	30	79	0.14	0.22	0.56	3.78	54.06	0.27	22.64	0.20	17.19	99.07	CP	diopside	7501 1914
75KY 0001	63 49	97 04	14	7077671	594827	30	80	0.15	0.45	1.00	3.13	54.41	0.22	22.90	0.65	17.84	100.75	CP	Cr-diopside	7501 1914
75KY 0001	63 49	97 04	14	7077671	594827	30	81	0.17	0.48	0.83	3.82	54.72	0.28	22.11	0.36	18.56	101.33	CP	diopside	7501 1914
75KY 0001	63 49	97 04	14	7077671	594827	30	82	0.25	0.40	1.09	3.77	53.52	0.27	23.65	0.63	16.47	100.06	CP	Cr-diopside	7501 1914
75KY 0002	63 49	97 03	14	7078387	596300	30	83	0.17	0.25	0.86	3.19	53.47	0.22	22.86	0.43	17.18	98.62	CP	diopside	7501 2014
75KY 0004	63 49	96 53	14	7078300	604300	30	84	0.11	0.14	1.44	3.56	53.83	0.25	22.55	0.52	17.18	99.59	CP	Cr-diopside	7501 2514
75KY 0004	63 49	96 53	14	7078300	604300	30	85	0.11	0.35	1.36	5.26	53.64	0.25	22.18	0.13	16.34	99.64	CP	diopside	7501 2514
75KY 0004	63 49	96 53	14	7078300	604300	30	86	0.13	0.40	0.59	2.66	53.86	0.14	23.87	0.47	17.04	99.15	CP	diopside	7501 2514
75KY 0005	63 48	96 47	14	7076920	609215	30	87	0.17	0.41	1.04	4.17	54.05	0.23	22.92	0.22	16.70	99.92	CP	diopside	7501 2813
75KY 0005	63 48	96 47	14	7076920	609215	30	88	0.18	0.39	0.71	3.60	53.72	0.16	23.16	0.20	18.19	100.32	CP	diopside	7501 2813
75KY 0005	63 48	96 47	14	7076920	609215	30	89	0.24	0.30	0.88	3.57	53.92	0.25	23.37	0.54	17.05	100.12	CP	Cr-diopside	7501 2813
75KY 0005	63 48	96 47	14	7076920	609215	30	90	0.04	0.30	0.85	2.96	52.83	0.16	23.77	0.43	17.56	98.89	CP	diopside	7501 2813
75KY 0005	63 48	96 47	14	7076920	609215	30	91	0.14	0.56	0.76	3.76	54.75	0.16	21.65	0.26	17.32	99.36	CP	diopside	7501 2813
75KY 0006	63 41	96 43	14	7064094	612965	30	92	0.00	0.14	0.59	3.12	54.34	0.22	23.65	0.22	18.23	100.52	CP	diopside	7501 3005
75KY 0007	63 42	96 43	14	7065506	612950	30	98	0.24	0.29	0.71	4.04	53.62	0.18	22.87	0.39	16.98	99.32	CP	diopside	7501 3006
75KY 0007	63 42	96 43	14	7065506	612950	30	99	0.27	0.37	0.87	3.81	54.21	0.26	22.54	0.41	17.02	99.75	CP	diopside	7501 3006
75KY 0007	63 42	96 43	14	7065506	612950	30	100	0.17	0.14	0.50	3.72	54.22	0.23	22.72	0.12	17.40	99.21	CP	diopside	7501 3006
75KY 0007	63 42	96 43	14	7065506	612950	30	101	0.25	0.62	0.95	3.81	53.05	0.29	23.44	0.23	16.68	99.31	CP	diopside	7501 3006

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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															
75KY 0007	63 42	96 43	14	7065506	612950	30	102	0.06	0.47	1.12	3.84	54.47	0.25	23.24	0.25	16.34	100.05	CP	diopside	7501 3006
75KY 0007	63 42	96 43	14	7065506	612950	30	103	0.20	0.17	0.77	3.75	54.26	0.21	22.84	0.16	17.47	99.82	CP	diopside	7501 3006
75KY 0007	63 42	96 43	14	7065506	612950	30	104	0.11	0.27	0.64	3.55	55.62	0.26	22.97	0.34	16.66	100.41	CP	diopside	7501 3006
75KY 0007	63 42	96 43	14	7065506	612950	30	105	0.16	0.38	0.62	3.76	55.33	0.20	23.25	0.29	16.78	100.76	CP	diopside	7501 3006
75KY 0007	63 42	96 43	14	7065506	612950	33	2	0.14	0.52	0.78	2.77	54.94	0.13	22.66	0.64	16.37	98.95	CP	Cr-diopside	7501 3006
75KY 0007	63 42	96 43	14	7065506	612950	30	93	1.25	0.08	21.22	23.94	38.10	0.32	10.95	0.05	3.65	99.57	GA	almandine	7501 3006
75KY 0007	63 42	96 43	14	7065506	612950	30	94	0.46	0.00	21.22	24.37	39.42	0.17	9.39	0.04	5.89	100.96	GA	almandine	7501 3006
75KY 0007	63 42	96 43	14	7065506	612950	30	95	0.49	0.00	22.37	20.50	38.92	0.14	11.10	0.05	6.05	99.61	GA	almandine	7501 3006
75KY 0007	63 42	96 43	14	7065506	612950	30	96	0.63	0.00	21.40	23.08	39.49	0.22	11.00	0.08	5.64	101.55	GA	almandine	7501 3006
75KY 0007	63 42	96 43	14	7065506	612950	30	97	0.49	0.00	20.99	25.50	39.00	0.30	7.24	0.09	5.99	99.59	GA	almandine	7501 3006
75KY 0008	63 45	96 44	14	7071799	612088	31	3	0.17	0.43	1.62	5.73	53.03	0.28	21.84	0.18	16.28	99.56	CP	diopside	7501 3010
75KY 0008	63 45	96 44	14	7071799	612088	31	4	0.20	0.44	1.04	3.80	53.19	0.30	23.56	0.51	16.68	99.70	CP	Cr-diopside	7501 3010
75KY 0008	63 45	96 44	14	7071799	612088	31	1	0.45	0.00	20.43	26.19	39.51	0.14	7.18	0.07	5.33	99.28	GA	almandine	7501 3010
75KY 0008	63 45	96 44	14	7071799	612088	31	2	20.61	0.00	19.10	20.22	37.74	0.20	0.39	0.05	0.60	98.91	GA	spessartine	7501 3010
75KY 0010	63 45	96 41	14	7071929	614118	31	5	0.14	0.46	0.74	3.42	53.60	0.25	23.58	0.24	17.14	99.55	CP	diopside	7501 3110
75KY 0010	63 45	96 41	14	7071929	614118	31	6	0.08	0.66	0.72	3.18	54.46	0.30	23.12	0.31	17.33	100.16	CP	diopside	7501 3110
75KY 0010	63 45	96 41	14	7071929	614118	31	7	0.14	0.27	0.70	3.53	53.66	0.15	23.84	0.40	17.03	99.74	CP	diopside	7501 3110
75KY 0010	63 45	96 41	14	7071929	614118	31	8	0.21	0.23	0.74	3.29	53.11	0.22	22.72	0.50	17.12	98.14	CP	Cr-diopside	7501 3110
75KY 0011	63 41	96 39	14	7064139	616167	31	9	0.20	0.27	0.66	3.51	53.66	0.25	23.06	0.31	16.81	98.73	CP	diopside	7501 3205
75KY 0011	63 41	96 39	14	7064139	616167	31	10	0.12	0.23	0.86	3.21	53.51	0.21	23.95	0.27	16.80	99.16	CP	diopside	7501 3205
75KY 0011	63 41	96 39	14	7064139	616167	31	11	0.08	0.39	0.94	3.80	53.41	0.21	23.22	0.49	16.65	99.18	CP	diopside	7501 3205
75KY 0013	63 47	96 39	14	7075372	615816	31	12	0.14	0.58	0.97	4.21	53.71	0.40	23.39	0.11	16.08	99.58	CP	diopside	7501 3212
75KY 0013	63 47	96 39	14	7075372	615816	31	13	0.03	0.35	1.10	3.17	54.31	0.15	22.53	0.75	17.35	99.75	CP	Cr-diopside	7501 3212
75KY 0014	63 45	96 36	14	7072027	618120	31	15	0.06	0.46	0.58	3.90	54.64	0.24	23.21	0.27	16.82	100.17	CP	diopside	7501 3310
75KY 0014	63 45	96 36	14	7072027	618120	31	16	0.08	0.29	0.61	2.85	54.93	0.16	23.93	0.60	17.32	100.76	CP	Cr-diopside	7501 3310
75KY 0014	63 45	96 36	14	7072027	618120	31	17	0.20	0.18	1.01	4.01	54.38	0.26	22.97	0.11	17.44	100.56	CP	diopside	7501 3310
75KY 0014	63 45	96 36	14	7072027	618120	31	14	0.16	0.05	21.10	22.97	38.86	0.24	11.05	0.06	6.39	100.87	GA	almandine	7501 3310
75KY 0015	63 49	96 35	14	7078201	618937	31	18	0.11	0.38	0.77	3.48	54.11	0.23	23.70	0.14	16.92	99.83	CP	diopside	7501 3413
75KY 0018	63 48	96 31	14	7077153	622186	31	20	0.08	0.42	0.94	3.54	55.24	0.46	23.68	0.47	15.28	100.11	CP	diopside	7501 3413
75KY 0018	63 48	96 31	14	7077153	622186	31	19	1.17	0.00	21.35	22.76	39.36	0.16	10.57	0.06	5.32	100.75	GA	almandine	7501 3613
75KY 0019	63 42	96 29	14	7066016	624492	31	22	0.17	0.15	0.67	4.04	54.95	0.24	22.02	0.20	17.41	99.83	CP	diopside	7501 3706

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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															
75KY 0019	63 42	96 29	14	7066016	624492	31	21	0.46	0.02	54.87	13.61	27.90	0.54	0.04	0.00	1.72	99.18	GA	staurolite	7501 3706
75KY 0021	63 40	96 27	14	7062811	626157	31	23	0.12	0.49	0.94	3.29	54.64	0.25	23.57	0.70	17.31	101.30	CP	Cr-diopside	7501 3804
75KY 0022	63 42	96 25	14	7066124	627705	31	24	0.15	0.21	0.59	3.38	54.45	0.19	23.05	0.26	17.73	100.00	CP	diopside	7501 3906
75KY 0024	63 50	96 23	14	7080390	628565	31	25	0.69	0.00	21.99	24.08	38.60	0.14	9.62	0.02	5.17	100.31	GA	almandine	7501 4015
75KY 0024	63 50	96 23	14	7080390	628565	31	26	0.20	0.00	21.69	21.02	40.04	0.18	10.95	0.03	7.31	101.43	GA	almandine	7501 4015
75KY 0026	63 46	96 19	14	7072742	632326	31	32	0.03	0.25	0.87	2.92	53.27	0.16	23.61	0.29	18.89	100.30	CP	diopside	7501 4210
75KY 0026	63 46	96 19	14	7072742	632326	31	33	0.18	0.16	0.70	3.22	54.92	0.23	22.08	0.25	17.15	98.89	CP	diopside	7501 4210
75KY 0026	63 46	96 19	14	7072742	632326	31	34	0.13	0.30	0.59	3.84	54.70	0.18	23.23	0.23	17.09	100.28	CP	diopside	7501 4210
75KY 0026	63 46	96 19	14	7072742	632326	31	30	2.16	0.03	21.44	23.05	39.34	0.25	9.67	0.10	5.40	101.43	GA	almandine	7501 4210
75KY 0026	63 46	96 19	14	7072742	632326	31	31	0.48	0.11	0.04	49.41	0.00	49.20	0.01	0.06	0.27	99.58	IL	ilmenite	7501 4210
75KY 0028	63 43	96 16	14	7067720	635349	31	35	0.15	0.46	1.16	3.41	54.41	0.32	23.55	0.65	15.46	99.56	CP	Cr-diopside	7501 4407
75KY 0028	63 43	96 16	14	7067720	635349	31	36	0.06	0.75	0.73	3.56	53.42	0.30	23.30	0.26	17.06	99.44	CP	diopside	7501 4407
75KY 0028	63 43	96 16	14	7067720	635349	31	37	0.12	0.13	0.70	3.16	54.69	0.24	22.37	0.23	18.32	99.96	CP	diopside	7501 4407
75KY 0029	63 36	96 15	14	7055118	636298	31	40	0.17	0.34	0.72	3.07	53.99	0.20	22.96	0.44	16.72	98.61	CP	diopside	7501 4450
75KY 0029	63 36	96 15	14	7055118	636298	31	41	0.11	0.43	0.73	3.48	54.51	0.28	22.81	0.61	16.69	99.65	CP	Cr-diopside	7501 4450
75KY 0029	63 36	96 15	14	7055118	636298	31	38	0.89	0.04	21.06	24.40	38.70	0.16	11.27	0.05	3.83	100.42	GA	almandine	7501 4450
75KY 0030	63 51	96 14	14	7082912	635759	31	43	0.17	0.43	0.68	3.35	53.57	0.37	22.94	0.63	16.43	98.57	CP	Cr-diopside	7501 4516
75KY 0030	63 51	96 14	14	7082912	635759	31	44	0.14	0.16	0.49	3.17	53.56	0.21	22.38	0.39	18.82	99.32	CP	diopside	7501 4516
75KY 0030	63 51	96 14	14	7082912	635759	31	45	0.15	0.31	0.90	3.47	53.13	0.34	23.34	0.29	16.61	98.53	CP	diopside	7501 4516
75KY 0030	63 51	96 14	14	7082912	635759	33	4	0.11	0.24	0.59	2.68	55.72	0.14	22.78	0.60	17.14	100.01	CP	Cr-diopside	7501 4516
75KY 0030	63 51	96 14	14	7082912	635759	31	42	0.61	0.08	21.86	22.81	39.50	0.22	7.89	0.09	8.32	101.39	GA	almandine	7501 4516
75KY 0030	63 51	96 14	14	7082912	635759	33	3	0.08	2.16	33.71	10.45	37.20	0.36	0.15	0.00	3.37	87.49	IL	tourmaline	7501 4516
75KY 0031	63 39	96 12	14	7060981	638762	31	46	0.09	0.34	1.11	3.74	54.49	0.31	22.34	0.66	16.57	99.65	CP	Cr-diopside	7501 4602
75KY 0031	63 39	96 12	14	7060981	638762	31	47	0.14	0.32	0.63	3.39	53.94	0.15	21.91	0.13	18.13	98.74	CP	diopside	7501 4602
75KY 0031	63 39	96 12	14	7060981	638762	31	48	0.09	0.20	0.73	2.81	53.85	0.21	23.51	0.46	17.35	99.21	CP	diopside	7501 4602
75KY 0031	63 39	96 12	14	7060981	638762	31	49	0.18	0.60	0.98	3.24	54.78	0.15	22.76	0.77	17.69	101.15	CP	Cr-diopside	7501 4602
75KY 0032	63 39	96 08	14	7060297	641762	31	51	0.06	0.29	0.52	4.21	53.77	0.19	22.59	0.14	17.71	99.49	CP	diopside	7501 4802
75KY 0032	63 39	96 08	14	7060297	641762	31	52	0.14	0.34	0.86	3.76	54.51	0.10	22.65	0.11	17.91	100.38	CP	diopside	7501 4802
75KY 0032	63 39	96 08	14	7060297	641762	31	50	1.41	0.00	21.39	21.00	39.97	0.36	10.56	0.09	5.91	100.68	GA	almandine	7501 4802
75KY 0033	63 39	96 06	14	7060200	643594	31	53	0.05	0.39	0.84	3.96	54.65	0.22	22.56	0.43	17.12	100.22	CP	diopside	7501 4902
75KY 0033	63 39	96 06	14	7060200	643594	31	54	0.15	0.20	1.14	4.11	54.55	0.24	22.23	0.18	16.67	99.48	CP	diopside	7501 4902

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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															
75KY 0033	63 39	96 06	14	7060200	643594	31	55	0.08	0.46	0.93	3.86	54.29	0.34	23.55	0.37	17.35	101.21	CP	diopside	7501 4902
75KY 0033	63 39	96 06	14	7060200	643594	31	56	0.06	0.26	0.73	3.64	54.40	0.24	23.44	0.47	17.09	100.33	CP	diopside	7501 4902
75KY 0035	63 46	96 02	14	7074534	645952	31	57	0.11	1.02	1.21	3.48	54.25	0.28	22.80	0.23	16.49	99.87	CP	diopside	7501 5111
75KY 0035	63 46	96 02	14	7074534	645952	31	58	0.20	0.84	1.15	3.84	54.42	0.26	22.71	0.24	17.05	100.70	CP	diopside	7501 5111
75KY 0035	63 46	96 02	14	7074534	645952	31	59	0.08	0.66	1.71	4.26	53.95	0.37	23.11	0.25	16.29	100.69	CP	diopside	7501 5111
75KY 0035	63 46	96 02	14	7074534	645952	31	60	0.15	0.31	0.65	3.58	55.36	0.30	22.87	0.49	17.41	101.11	CP	diopside	7501 5111
75KY 0036	63 46	96 00	15	7074641	352001	31	61	0.14	0.86	0.81	2.94	54.26	0.22	23.31	0.35	16.77	99.65	CP	diopside	7501 5211
75KY 0036	63 46	96 00	15	7074641	352001	31	62	0.08	0.80	1.40	3.59	53.94	0.29	21.58	0.29	16.65	98.63	CP	diopside	7501 5211
75KY 0037	63 47	95 58	15	7075963	353729	31	63	0.14	0.82	1.19	3.69	53.67	0.23	22.33	0.39	17.49	99.96	CP	diopside	7501 5312
75KY 0037	63 47	95 58	15	7075963	353729	31	64	0.14	0.62	1.44	4.34	55.12	0.38	22.69	0.19	16.60	101.51	CP	diopside	7501 5312
75KY 0037	63 47	95 58	15	7075963	353729	31	65	0.25	0.74	1.40	3.55	53.72	0.26	22.30	0.26	17.11	99.59	CP	diopside	7501 5312
75KY 0038	63 46	95 56	15	7074648	355288	31	67	0.06	0.41	1.00	4.59	54.73	0.20	20.39	0.25	18.90	100.54	CP	diopside	7501 5411
75KY 0038	63 46	95 56	15	7074648	355288	31	68	0.20	0.30	0.98	3.47	53.09	0.34	23.11	0.78	17.93	100.19	CP	Cr-diopside	7501 5411
75KY 0038	63 46	95 56	15	7074648	355288	31	69	0.08	0.33	1.15	3.77	52.26	0.29	23.22	0.78	17.18	99.07	CP	Cr-diopside	7501 5411
75KY 0038	63 46	95 56	15	7074648	355288	31	66	6.45	0.04	19.84	26.81	38.51	0.24	6.86	0.09	1.47	100.29	GA	almandine	7501 5411
75KY 0040	63 38	95 50	15	7059831	359746	31	70	0.25	0.31	0.90	3.44	54.12	0.22	21.48	0.72	17.96	99.40	CP	Cr-diopside	7501 5702
75KY 0040	63 38	95 50	15	7059831	359746	31	71	0.14	0.27	0.74	4.40	54.13	0.20	21.49	0.20	17.85	99.42	CP	diopside	7501 5702
75KY 0041	63 46	95 46	15	7074032	363383	31	74	0.17	0.28	0.73	3.50	54.05	0.18	22.16	0.21	17.27	98.55	CP	diopside	7501 5911
75KY 0041	63 46	95 46	15	7074032	363383	31	75	0.26	0.49	1.53	6.08	52.10	0.21	22.73	0.00	15.02	98.43	CP	diopside	7501 5911
75KY 0041	63 46	95 46	15	7074032	363383	31	76	0.19	0.17	0.90	3.88	53.65	0.20	22.80	0.20	17.14	99.13	CP	diopside	7501 5911
75KY 0041	63 46	95 46	15	7074032	363383	31	77	0.08	0.23	0.72	2.91	54.74	0.27	23.05	0.38	16.95	99.31	CP	diopside	7501 5911
75KY 0041	63 46	95 46	15	7074032	363383	31	72	13.65	0.00	20.84	11.14	38.22	0.29	15.61	0.04	0.28	100.07	GA	grossular	7501 5911
75KY 0041	63 46	95 46	15	7074032	363383	31	73	0.18	0.01	21.01	23.99	25.88	0.24	0.04	0.01	16.22	87.58	IL	chrom.+silic.	7501 5911
75KY 0044	63 39	95 35	15	7061307	372286	31	79	0.05	0.32	0.97	3.35	54.23	0.37	23.52	0.62	17.02	100.46	CP	Cr-diopside	7501 6503
75KY 0044	63 39	95 35	15	7061307	372286	31	80	0.14	0.29	0.91	2.76	54.30	0.23	23.47	0.74	17.11	99.95	CP	Cr-diopside	7501 6503
75KY 0044	63 39	95 35	15	7061307	372286	31	81	0.15	0.51	1.25	5.47	54.05	0.28	21.48	0.04	16.97	100.20	CP	diopside	7501 6503
75KY 0044	63 39	95 35	15	7061307	372286	31	78	0.40	0.00	20.87	24.17	39.39	0.25	10.90	0.05	4.72	100.74	GA	almandine	7501 6503
75KY 0048	63 47	95 15	15	7075426	389334	31	82	20.46	0.00	21.27	19.81	37.38	0.16	1.47	0.00	0.98	101.53	GA	spessartine	7501 7405
75KY 0050	63 52	95 11	15	7083509	392728	31	84	0.14	0.28	0.88	3.96	53.85	0.22	23.34	0.15	17.49	100.31	CP	diopside	7501 7717
75KY 0051	63 45	95 09	15	7070240	393550	31	85	0.60	0.00	21.78	28.70	38.43	0.28	7.24	0.06	4.33	101.40	GA	almandine	7501 7809
75KY 0051	63 45	95 09	15	7070240	393550	31	86	0.65	0.01	21.58	27.69	38.14	0.33	6.67	0.13	5.55	100.77	GA	almandine	7501 7809

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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															
75KY 0052	63 43	95 04	15	7066948	398085	31	87	0.29	0.00	21.43	32.18	38.01	0.17	4.60	0.03	4.19	100.90	GA	almandine	7501 8107
75KY 0056	63 50	94 50	15	7080459	409774	31	89	1.06	0.07	21.57	28.69	37.64	0.18	8.54	0.08	3.16	100.99	GA	almandine	7501 8816
75KY 0056	63 50	94 50	15	7080459	409774	31	90	0.83	0.03	22.60	23.64	39.64	0.32	6.43	0.14	7.86	101.48	GA	almandine	7501 8816
75KY 0057	63 45	94 46	15	7069596	412994	31	91	0.50	0.00	21.76	19.35	40.29	0.24	6.43	0.14	10.69	99.39	GA	almandine	7501 9009
76KY 0003	63 59	97 09	14	7096091	590790	32	1	0.19	0.00	0.17	34.26	0.32	61.35	0.06	0.00	0.00	96.36	SP	Fe-rutile	76PL 1726
76KY 0003	63 59	97 09	14	7096091	590790	32	2	0.27	0.00	0.10	90.60	0.00	0.09	0.05	0.14	0.00	91.25	SP	magnetite	76PL 1726
76KY 0004	63 44	97 04	14	7068095	595331	32	5	0.09	0.28	0.66	3.75	53.69	0.25	23.76	0.39	17.13	99.99	CP	diopside	76PL 1908
76KY 0004	63 44	97 04	14	7068095	595331	32	3	0.11	0.01	0.13	0.17	34.05	0.19	0.15	0.16	0.03	35.00	GA	zircon ?	76PL 1908
76KY 0004	63 44	97 04	14	7068095	595331	32	4	0.37	0.00	20.25	33.85	37.78	0.11	5.86	0.02	2.05	100.30	GA	almandine	76PL 1908
76KY 0008	63 46	96 58	14	7071753	600264	32	8	0.09	0.51	0.86	3.75	53.35	0.32	23.20	0.60	17.16	99.84	CP	Cr-diopside	76PL 2210
76KY 0008	63 46	96 58	14	7071753	600264	32	9	0.15	0.24	1.06	2.94	54.15	0.16	23.24	0.59	17.00	99.55	CP	Cr-diopside	76PL 2210
76KY 0008	63 46	96 58	14	7071753	600264	32	10	0.15	0.37	0.58	3.40	54.30	0.24	23.51	0.26	16.96	99.77	CP	diopside	76PL 2210
76KY 0008	63 46	96 58	14	7071753	600264	32	11	0.09	0.43	0.64	3.20	54.52	0.23	23.60	0.57	17.93	101.22	CP	Cr-diopside	76PL 2210
76KY 0008	63 46	96 58	14	7071753	600264	32	12	0.17	0.29	0.94	3.60	53.30	0.34	23.12	0.65	17.18	99.60	CP	Cr-diopside	76PL 2210
76KY 0008	63 46	96 58	14	7071753	600264	32	13	0.18	0.37	1.48	3.95	54.02	0.17	21.23	0.87	17.48	99.76	CP	Cr-diopside	76PL 2210
76KY 0008	63 46	96 58	14	7071753	600264	32	15	0.20	0.39	0.65	3.50	55.06	0.15	21.29	0.39	17.47	99.11	CP	diopside	76PL 2210
76KY 0008	63 46	96 58	14	7071753	600264	32	14	0.17	0.26	0.52	3.05	55.25	0.19	23.61	0.39	17.77	101.19	CP	diopside	76PL 2210
76KY 0008	63 46	96 58	14	7071753	600264	32	7	0.65	0.00	21.62	24.83	38.27	0.25	6.23	0.09	7.44	99.38	GA	almandine	76PL 2210
76KY 0009	63 40	96 54	14	7060707	604303	32	16	0.18	0.91	1.31	3.55	54.60	0.20	22.79	0.40	16.75	100.70	CP	diopside	76PL 2403
76KY 0010	63 41	96 51	14	7063879	606266	32	19	0.06	0.40	0.54	3.14	54.13	0.21	22.89	0.38	17.21	98.98	CP	diopside	76PL 2505
76KY 0010	63 41	96 51	14	7063879	606266	32	20	0.11	0.10	0.59	2.66	54.26	0.19	23.12	0.10	17.92	99.05	CP	diopside	76PL 2505
76KY 0010	63 41	96 51	14	7063879	606266	32	21	0.11	0.54	1.43	3.38	53.18	0.15	22.23	0.71	17.94	99.66	CP	Cr-diopside	76PL 2505
76KY 0010	63 41	96 51	14	7063879	606266	32	18	13.98	0.00	20.35	14.99	38.51	0.18	11.06	0.05	1.52	100.63	GA	almandine	76PL 2505
76KY 0011	63 59	96 51	14	7097655	604983	32	24	0.14	0.92	1.40	3.65	53.04	0.25	22.60	0.27	16.81	99.09	CP	diopside	76PL 2626
76KY 0011	63 59	96 51	14	7097655	604983	32	25	0.08	0.32	1.04	3.45	54.75	0.22	22.95	0.20	17.16	100.16	CP	diopside	76PL 2626
76KY 0011	63 59	96 51	14	7097655	604983	32	26	0.14	0.29	0.75	2.99	54.36	0.22	23.07	0.27	17.13	99.22	CP	diopside	76PL 2626
76KY 0011	63 59	96 51	14	7097655	604983	32	22	23.54	0.00	19.54	17.97	37.05	0.17	0.57	0.06	1.24	100.14	GA	spessartine	76PL 2626
76KY 0011	63 59	96 51	14	7097655	604983	32	23	0.37	0.00	21.33	22.89	38.75	0.19	11.20	0.06	5.01	99.79	GA	almandine	76PL 2626
76KY 0012	63 52	96 49	14	7082942	607614	32	27	0.11	0.28	0.99	3.89	54.25	0.16	22.37	0.09	16.67	98.81	CP	diopside	76PL 2717
76KY 0012	63 52	96 49	14	7082942	607614	32	28	0.20	0.40	0.63	3.43	53.73	0.20	23.06	0.37	17.12	99.14	CP	diopside	76PL 2717
76KY 0013	63 42	96 45	14	7065073	611338	32	29	0.23	0.33	0.83	4.31	53.85	0.28	22.30	0.31	16.60	99.02	CP	diopside	76PL 2806

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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															
76KY 0013	63 42	96 45	14	7065073	611338	32	30	0.11	0.18	0.64	3.83	53.19	0.13	22.21	0.27	18.16	98.70	CP	diopside	76PL 2806
76KY 0014	63 40	96 42	14	7061074	613665	32	31	0.14	0.39	0.81	3.36	53.62	0.33	23.10	0.29	16.99	99.02	CP	diopside	76PL 2903
76KY 0014	63 40	96 42	14	7061074	613665	32	32	0.12	0.37	0.48	2.41	55.00	0.17	23.16	0.48	18.39	100.58	CP	diopside	76PL 2903
76KY 0015	63 56	96 30	14	7091017	622929	32	34	0.20	0.53	1.28	4.03	52.09	0.36	23.28	0.56	16.55	98.88	CP	Cr-diopside	76PL 3722
76KY 0015	63 56	96 30	14	7091017	622929	32	35	0.14	0.54	0.95	3.45	54.97	0.22	23.36	0.25	16.93	100.81	CP	diopside	76PL 3722
76KY 0015	63 56	96 30	14	7091017	622929	32	36	0.15	0.63	0.96	3.59	53.08	0.27	22.90	0.31	17.41	99.30	CP	diopside	76PL 3722
76KY 0016	63 58	96 22	14	7096403	628764	31	29	0.14	0.66	0.92	3.91	53.02	0.31	23.47	0.51	16.46	99.40	CP	Cr-diopside	76PL 4125
76KY 0016	63 58	96 22	14	7096403	628764	31	27	21.30	0.01	20.68	18.71	35.98	0.11	1.31	0.11	0.72	98.92	GA	spessartine	76PL 4125
76KY 0016	63 58	96 22	14	7096403	628764	31	28	0.36	0.13	0.11	89.15	0.00	0.12	0.09	0.02	0.00	89.98	SP	hematite	76PL 4125
76KY 0017	63 52	96 17	14	7085300	633400	32	37	0.18	0.53	0.65	3.56	54.52	0.19	23.11	0.18	17.02	99.94	CP	diopside	76PL 4318
76KY 0017	63 52	96 17	14	7085300	633400	32	38	0.15	0.68	1.09	3.60	53.67	0.34	23.28	0.50	17.52	100.82	CP	Cr-diopside	76PL 4318
76KY 0017	63 52	96 17	14	7085300	633400	32	39	0.17	0.42	1.09	3.94	53.58	0.33	23.24	0.19	16.63	99.58	CP	diopside	76PL 4318
76KY 0017	63 52	96 17	14	7085300	633400	32	40	0.14	0.90	1.63	3.73	54.74	0.22	22.07	0.34	17.42	101.18	CP	diopside	76PL 4318
76KY 0017	63 52	96 17	14	7085300	633400	32	41	0.12	1.00	1.25	3.20	54.03	0.24	21.89	0.40	16.32	98.45	CP	diopside	76PL 4318
76KY 0017	63 52	96 17	14	7085300	633400	32	42	0.12	0.85	0.90	3.42	54.03	0.19	22.29	0.34	18.50	100.64	CP	diopside	76PL 4318
76KY 0017	63 52	96 17	14	7085300	633400	32	43	0.14	0.60	0.82	3.60	53.10	0.36	23.71	0.41	16.86	99.58	CP	diopside	76PL 4318
76KY 0017	63 52	96 17	14	7085300	633400	32	44	0.11	0.47	0.73	3.98	54.04	0.30	23.71	0.32	16.90	100.55	CP	diopside	76PL 4318
76KY 0017	63 52	96 17	14	7085300	633400	32	45	0.12	0.36	0.91	3.69	54.52	0.23	22.91	0.27	17.04	100.05	CP	diopside	76PL 4318
76KY 0017	63 52	96 17	14	7085300	633400	32	46	0.17	0.81	1.18	3.66	54.50	0.23	22.52	0.29	18.07	101.41	CP	diopside	76PL 4318
76KY 0019	63 36	96 07	14	7056157	642747	32	47	0.14	0.20	0.64	3.47	53.86	0.15	22.48	0.28	19.01	100.23	CP	diopside	76PL 4800
76KY 0019	63 36	96 07	14	7056157	642747	32	48	0.15	0.26	1.16	4.05	53.11	0.27	23.15	0.35	17.33	99.84	CP	diopside	76PL 4800
76KY 0019	63 36	96 07	14	7056157	642747	32	49	0.18	0.47	1.87	3.65	53.44	0.23	22.84	0.14	17.38	100.19	CP	diopside	76PL 4800
76KY 0019	63 36	96 07	14	7056157	642747	32	50	0.09	0.29	1.02	4.14	54.56	0.31	22.03	0.16	18.38	100.99	CP	diopside	76PL 4800
76KY 0019	63 36	96 07	14	7056157	642747	32	51	0.12	0.24	0.92	4.41	53.05	0.21	22.54	0.19	17.08	98.76	CP	diopside	76PL 4800
76KY 0020	63 52	96 04	14	7085822	643894	32	52	0.17	0.45	1.14	3.74	54.83	0.25	23.23	0.25	16.97	101.04	CP	diopside	76PL 5018
76KY 0021	63 49	96 01	14	7079451	646474	32	54	0.15	1.01	1.06	3.60	53.55	0.19	23.32	0.27	16.96	100.12	CP	diopside	76PL 5114
76KY 0021	63 49	96 01	14	7079451	646474	32	55	0.17	0.80	1.49	3.93	54.15	0.27	22.10	0.23	18.02	101.16	CP	diopside	76PL 5114
76KY 0021	63 49	96 01	14	7079451	646474	32	56	0.06	0.68	0.90	3.77	52.99	0.23	23.10	0.30	17.49	99.51	CP	diopside	76PL 5114
76KY 0021	63 49	96 01	14	7079451	646474	32	57	0.21	0.63	0.89	4.36	53.71	0.27	22.87	0.19	17.85	100.98	CP	diopside	76PL 5114
76KY 0021	63 49	96 01	14	7079451	646474	32	53	0.72	0.00	21.48	22.67	39.27	0.40	10.28	0.15	6.13	101.10	GA	almandine	76PL 5114
76KY 0024	63 52	95 52	15	7085692	359400	32	59	0.68	0.00	21.83	24.37	38.29	0.27	9.21	0.05	5.69	100.38	GA	almandine	76PL 5618

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A2. Microprobe Results - Baker Lake Area

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															
76KY 0024	63 52	95 52	15	7085692	359400	32	58	0.48	0.00	20.93	32.82	37.72	0.14	7.89	0.08	0.70	100.77	GA	almandine	76PL 5618
76KY 0025	63 59	95 49	15	7098627	362545	32	60	20.10	0.00	19.67	19.59	36.65	0.16	1.01	0.11	0.76	98.05	GA	spessartine	76PL 5826
76KY 0026	63 49	95 46	15	7080019	364001	32	61	0.11	0.64	1.73	4.52	53.02	0.34	22.60	0.49	16.99	100.43	CP	diopside	76PL 5915
76KY 0026	63 49	95 46	15	7080019	364001	32	62	0.09	1.14	1.77	3.73	54.51	0.24	22.45	0.43	16.36	100.73	CP	diopside	76PL 5915
76KY 0029	63 40	95 13	15	7062133	390519	32	63	0.56	0.00	22.00	24.74	38.40	0.17	10.33	0.05	5.02	101.27	GA	almandine	76PL 7604
76KY 0032	63 40	94 58	15	7060240	403052	32	68	0.20	0.55	2.12	5.11	52.22	0.21	21.93	0.08	17.40	99.81	CP	diopside	76PL 8403
76KY 0032	63 40	94 58	15	7060240	403052	32	64	1.05	0.00	20.34	27.73	38.08	0.22	6.64	0.12	4.74	98.91	GA	almandine	76PL 8403
76KY 0032	63 40	94 58	15	7060240	403052	32	65	0.79	0.00	22.45	25.51	38.29	0.25	7.99	0.03	6.04	101.35	GA	almandine	76PL 8403
76KY 0032	63 40	94 58	15	7060240	403052	32	66	0.47	0.00	21.00	24.92	39.35	0.26	6.76	0.06	8.56	101.39	GA	almandine	76PL 8403
76KY 0032	63 40	94 58	15	7060240	403052	32	67	0.37	0.00	20.50	27.66	39.23	0.35	7.19	0.07	5.79	101.15	GA	almandine	76PL 8403
76KY 0035	63 40	94 50	15	7060359	408878	32	69	2.79	0.04	20.13	24.83	37.86	0.22	13.90	0.08	0.58	100.42	GA	almandine	76PL 8803
76KY 0035	63 40	94 50	15	7060359	408878	32	70	0.67	0.00	21.05	23.28	40.14	0.41	6.78	0.12	8.04	100.49	GA	almandine	76PL 8803

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
7501 1512	63 47	97 12	14	7074539	588611	1	2	0.14	0.52	1.35	3.66	53.93	0.13	22.43	1.10	17.84	101.11	CP	Cr-diopside
7501 1614	63 49	97 10	14	7078004	590131	1	9	0.14	0.41	0.69	3.51	53.51	0.27	23.54	0.54	16.72	99.33	CP	Cr-diopside
7501 1812	63 47	97 06	14	7074098	593627	1	14	0.17	0.33	1.21	3.71	54.22	0.16	21.66	0.75	18.49	100.68	CP	Cr-diopside
7501 1813	63 48	97 06	14	7076465	593352	1	20	0.05	0.45	0.84	3.13	54.48	0.21	22.93	0.66	17.29	100.04	CP	Cr-diopside
7501 1813	63 48	97 06	14	7076465	593352	1	21	0.14	0.53	1.92	3.49	53.81	0.24	21.19	0.88	18.08	100.28	CP	Cr-diopside
7501 1912	63 47	97 04	14	7074058	595471	1	24	0.14	0.59	0.93	2.87	54.68	0.19	22.66	0.59	17.33	99.97	CP	Cr-diopside
7501 1913	63 48	97 05	14	7076366	594751	1	29	0.05	0.30	1.78	4.51	53.63	0.18	22.11	0.65	17.66	100.86	CP	Cr-diopside
7501 1914	63 49	97 04	14	7077671	594827	1	37	0.14	0.44	0.68	3.31	54.22	0.29	23.64	0.50	17.31	100.52	CP	Cr-diopside
7501 1914	63 49	97 04	14	7077671	594827	1	32	0.15	0.59	1.03	3.36	54.08	0.22	22.61	0.62	17.43	100.10	CP	Cr-diopside
7501 1914	63 49	97 04	14	7077671	594827	1	34	0.15	0.36	0.96	2.72	52.84	0.20	23.83	0.92	16.72	98.71	CP	Cr-diopside
7501 2012	63 47	97 02	14	7074559	596656	1	42	0.14	0.41	0.94	3.61	54.05	0.27	23.65	0.58	17.62	101.26	CP	Cr-diopside
7501 2013	63 48	97 02	14	7076299	597180	1	45	0.20	0.50	0.76	3.40	53.79	0.26	23.76	0.59	17.75	101.01	CP	Cr-diopside
7501 2114	63 49	97 00	14	7078248	598260	1	58	0.17	0.33	1.04	3.19	54.10	0.23	22.88	0.57	17.84	100.36	CP	Cr-diopside
7501 2114	63 49	97 00	14	7078248	598260	1	57	0.14	0.47	1.95	3.84	53.45	0.16	22.28	0.58	17.21	100.07	CP	Cr-diopside
7501 2212	63 47	96 59	14	7074532	599452	1	62	0.12	0.36	0.64	3.03	54.43	0.23	22.77	0.66	17.79	100.03	CP	Cr-diopside
7501 2312	63 47	96 58	14	7075076	600585	1	67	0.12	0.61	0.80	2.92	55.23	0.23	22.44	0.64	16.66	99.65	CP	Cr-diopside
7501 2312	63 47	96 58	14	7075076	600585	1	68	0.15	0.51	0.74	3.02	55.14	0.20	22.89	0.66	17.16	100.47	CP	Cr-diopside
7501 2413	63 48	96 54	14	7076670	603019	1	89	0.17	0.24	1.32	3.18	55.01	0.24	22.70	0.79	17.74	101.40	CP	Cr-diopside
7501 2413	63 48	96 54	14	7076670	603019	1	93	0.12	0.35	0.90	3.47	54.24	0.21	23.47	0.57	16.14	99.48	CP	Cr-diopside
7501 2513	63 48	96 53	14	7076641	604125	1	98	0.20	0.32	0.68	3.03	53.75	0.15	23.54	0.60	16.93	99.19	CP	Cr-diopside
7501 2913	63 48	96 46	14	7076349	610231	2	7	0.11	0.42	1.20	3.25	54.77	0.22	21.84	0.79	17.66	100.25	CP	Cr-diopside
7501 3006	63 42	96 43	14	7065506	612950	2	16	0.11	0.42	1.57	3.81	55.31	0.22	20.33	0.99	18.55	101.30	CP	Cr-diopside
7501 3006	63 42	96 43	14	7065506	612950	2	17	0.14	0.47	0.77	4.15	53.75	0.29	23.05	0.65	16.34	99.62	CP	Cr-diopside
7501 3008	63 44	96 42	14	7069200	613200	2	22	0.15	0.16	0.81	2.83	54.93	0.21	23.58	0.76	18.05	101.49	CP	Cr-diopside
7501 3011	63 46	96 42	14	7073047	613080	2	28	0.21	0.36	1.20	3.28	53.34	0.23	23.77	0.94	17.98	101.32	CP	Cr-diopside
7501 3012	63 47	96 43	14	7075320	612221	2	33	0.18	0.10	0.78	3.09	54.32	0.19	23.81	0.63	17.44	100.56	CP	Cr-diopside
7501 3013	63 48	96 43	14	7076816	612598	2	37	0.15	0.35	1.50	3.38	54.69	0.14	21.97	0.84	17.72	100.73	CP	Cr-diopside
7501 3013	63 48	96 43	14	7076816	612598	2	36	0.21	0.30	0.83	3.50	55.16	0.25	23.41	0.65	17.14	101.47	CP	Cr-diopside
7501 3101	63 38	96 41	14	7058000	614700	2	39	0.14	0.36	0.88	3.32	54.93	0.27	23.28	0.65	17.15	100.98	CP	Cr-diopside
7501 3103	63 40	96 41	14	7061331	614736	2	40	0.23	0.16	0.94	3.40	54.84	0.27	22.94	0.56	17.39	100.72	CP	Cr-diopside
7501 3105	63 41	96 41	14	7064200	614437	2	42	0.14	0.27	0.53	2.65	55.29	0.17	23.80	0.53	18.02	101.41	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
7501 3105	63 41	96 41	14	7064200	614437	2	44	0.08	0.38	0.90	3.18	55.69	0.24	22.29	0.79	17.50	101.04	CP	Cr-diopside
7501 3111	63 46	96 41	14	7073616	614187	2	51	0.15	0.16	1.06	3.60	55.46	0.20	21.81	0.52	18.52	101.48	CP	Cr-diopside
7501 3201	63 38	96 39	14	7058056	616707	2	52	0.14	0.38	0.89	3.29	54.61	0.23	23.12	0.78	16.22	99.65	CP	Cr-diopside
7501 3202	63 39	96 39	14	7059323	616758	2	53	0.17	0.28	0.72	3.15	54.52	0.20	23.02	0.58	16.75	99.39	CP	Cr-diopside
7501 3202	63 39	96 39	14	7059323	616758	2	54	0.11	0.35	0.61	3.41	54.06	0.35	23.62	0.55	17.70	100.75	CP	Cr-diopside
7501 3203	63 40	96 39	14	7061020	616369	2	55	0.09	0.37	0.84	3.51	54.16	0.23	23.30	0.64	17.94	101.09	CP	Cr-diopside
7501 3203	63 40	96 39	14	7061020	616369	2	56	0.23	0.15	0.79	3.05	55.29	0.28	23.59	0.56	17.22	101.15	CP	Cr-diopside
7501 3206	63 42	96 39	14	7065422	616395	2	61	0.06	0.39	0.85	3.74	52.90	0.24	23.14	0.60	16.66	98.59	CP	Cr-diopside
7501 3206	63 42	96 39	14	7065422	616395	2	64	0.11	0.21	1.14	4.13	53.52	0.32	22.14	0.60	18.03	100.19	CP	Cr-diopside
7501 3214	63 49	96 39	14	7078400	615300	2	82	0.03	0.47	0.84	3.25	53.99	0.23	23.48	0.61	16.58	99.49	CP	Cr-diopside
7501 3302	63 39	96 37	14	7059356	618105	2	98	0.06	0.46	1.10	3.71	54.40	0.24	22.59	0.56	15.83	98.94	CP	Cr-diopside
7501 3303	63 40	96 37	14	7061197	617954	3	3	0.09	0.43	0.95	3.80	53.80	0.29	22.85	0.60	17.23	100.02	CP	Cr-diopside
7501 3303	63 40	96 37	14	7061197	617954	3	5	0.09	0.43	1.15	4.01	53.73	0.26	23.04	0.53	17.14	100.38	CP	Cr-diopside
7501 3303	63 40	96 37	14	7061197	617954	3	6	0.14	0.30	1.04	3.97	53.69	0.29	23.01	0.52	17.70	100.65	CP	Cr-diopside
7501 3401	63 38	96 35	14	7057681	619955	3	39	0.24	0.28	0.66	3.52	54.50	0.25	23.25	0.56	17.38	100.64	CP	Cr-diopside
7501 3401	63 38	96 35	14	7057681	619955	3	40	0.12	0.54	1.28	3.40	54.28	0.22	21.26	0.94	17.22	99.26	CP	Cr-diopside
7501 3401	63 38	96 35	14	7057681	619955	3	42	0.12	0.24	0.89	3.47	54.24	0.15	22.25	0.84	17.94	100.13	CP	Cr-diopside
7501 3401	63 38	96 35	14	7057681	619955	3	45	0.09	0.18	0.70	2.90	53.92	0.20	23.43	0.64	17.48	99.55	CP	Cr-diopside
7501 3402	63 39	96 34	14	7059721	620487	3	54	0.06	0.23	1.25	3.68	52.76	0.31	22.94	0.62	17.25	99.11	CP	Cr-diopside
7501 3405	63 41	96 35	14	7064708	619828	3	56	0.17	0.20	0.84	3.59	53.97	0.21	23.30	0.69	17.39	100.34	CP	Cr-diopside
7501 3406	63 42	96 35	14	7065954	619168	3	67	0.17	0.53	0.89	3.55	54.24	0.20	23.36	0.54	17.44	100.92	CP	Cr-diopside
7501 3406	63 42	96 35	14	7065954	619168	3	63	0.06	0.33	0.73	2.81	54.06	0.20	22.70	0.58	18.15	99.65	CP	Cr-diopside
7501 3407	63 43	96 36	14	7067684	618803	3	76	0.03	0.52	0.78	3.31	53.70	0.15	22.36	0.51	18.09	99.45	CP	Cr-diopside
7501 3408	63 44	96 35	14	7068908	619287	3	83	0.11	0.49	0.95	3.21	54.75	0.25	23.62	0.59	17.36	101.33	CP	Cr-diopside
7501 3411	63 47	96 34	14	7074142	619844	3	91	1.29	0.31	4.33	9.21	0.10	0.57	0.10	68.32	12.12	96.36	SP	chromite ¹
7501 3450	63 36	96 35	14	7054072	620129	4	5	0.11	0.64	0.42	3.95	55.37	0.55	22.42	0.73	17.05	101.26	CP	Cr-diopside
7501 3501	63 38	96 33	14	7058026	621270	4	12	0.14	0.32	0.83	3.96	55.14	0.19	23.22	0.57	16.86	101.25	CP	Cr-diopside
7501 3502	63 39	96 33	14	7059378	621485	4	15	0.10	0.27	0.85	3.48	53.79	0.18	23.11	0.63	16.80	99.20	CP	Cr-diopside
7501 3506	63 42	96 33	14	7065888	620974	4	18	0.10	0.92	1.31	3.08	53.86	0.21	21.98	1.23	16.89	99.58	CP	Cr-diopside
7501 3506	63 42	96 33	14	7065888	620974	4	20	0.08	0.39	0.76	3.45	55.47	0.14	22.05	0.55	18.08	100.96	CP	Cr-diopside
7501 3506	63 42	96 33	14	7065888	620974	4	24	0.11	0.39	0.78	3.30	55.11	0.23	23.87	0.71	16.89	101.40	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
7501 3506	63 42	96 33	14	7065888	620974	4	25	0.11	0.22	1.46	3.43	54.04	0.14	22.31	0.60	18.04	100.34	CP	Cr-diopside
7501 3508	63 44	96 33	14	7069088	620974	4	30	0.03	0.25	0.68	2.92	54.41	0.26	23.68	0.72	16.48	99.43	CP	Cr-diopside
7501 3510	63 46	96 33	14	7072242	620619	4	34	0.05	0.73	1.07	2.65	54.96	0.20	23.22	0.68	17.16	100.73	CP	Cr-diopside
7501 3553	63 34	96 33	14	7049962	621723	4	37	0.16	0.50	0.51	4.17	55.30	0.31	22.83	0.54	16.12	100.44	CP	Cr-diopside
7501 3553	63 34	96 33	14	7049962	621723	4	38	0.13	0.31	0.97	3.41	55.09	0.18	23.19	0.76	15.73	99.76	CP	Cr-diopside
7501 3601	63 38	96 31	14	7057975	622872	4	42	0.08	0.18	0.88	3.40	54.47	0.19	22.42	0.70	17.10	99.43	CP	Cr-diopside
7501 3601	63 38	96 31	14	7057975	622872	4	43	0.10	0.28	0.93	3.28	55.17	0.19	22.75	0.59	18.13	101.41	CP	Cr-diopside
7501 3604	63 40	96 31	14	7062827	622814	4	45	0.14	0.35	0.68	2.82	53.93	0.23	23.64	0.51	16.97	99.28	CP	Cr-diopside
7501 3606	63 42	96 31	14	7065939	622536	4	50	0.13	0.45	1.26	2.94	53.18	0.28	23.26	0.98	16.85	99.32	CP	Cr-diopside
7501 3607	63 43	96 31	14	7067975	622254	4	52	0.13	0.84	0.87	5.39	54.19	0.61	22.33	0.51	15.38	100.24	CP	Cr-diopside
7501 3607	63 43	96 31	14	7067975	622254	4	55	0.17	0.72	0.32	3.29	55.21	0.33	23.75	0.59	16.82	101.18	CP	Cr-diopside
7501 3607	63 43	96 31	14	7067975	622254	4	59	0.20	0.62	0.51	3.26	55.01	0.47	23.36	0.86	16.93	101.22	CP	Cr-diopside
7501 3701	63 38	96 29	14	7058130	624585	4	72	0.12	0.42	0.95	3.23	55.11	0.22	22.35	0.72	17.04	100.18	CP	Cr-diopside
7501 3703	63 40	96 29	14	7061255	624701	4	77	0.14	0.29	0.89	3.38	54.35	0.28	23.52	0.74	17.17	100.75	CP	Cr-diopside
7501 3704	63 40	96 29	14	7062926	624566	4	79	0.18	0.49	0.84	3.41	54.77	0.25	23.77	0.60	16.42	100.75	CP	Cr-diopside
7501 3704	63 40	96 29	14	7062926	624566	4	83	0.03	0.35	0.89	2.98	54.72	0.23	23.63	0.59	16.73	100.16	CP	Cr-diopside
7501 3705	63 41	96 29	14	7064475	624433	4	87	0.23	0.52	1.83	3.58	54.79	0.23	20.38	1.32	17.67	100.54	CP	Cr-diopside
7501 3705	63 41	96 29	14	7064475	624433	4	94	0.14	0.17	1.41	4.14	53.29	0.30	22.56	0.55	17.29	99.85	CP	Cr-diopside
7501 3708	63 44	96 29	14	7069205	623971	4	98	0.21	0.32	1.16	3.41	53.67	0.34	22.80	0.59	16.87	99.36	CP	Cr-diopside
7501 3709	63 45	96 29	14	7070683	624107	5	4	0.19	0.34	0.74	3.86	54.29	0.29	23.21	0.65	16.73	100.30	CP	Cr-diopside
7501 3710	63 46	96 29	14	7072337	624112	5	11	0.14	0.27	0.85	3.32	53.61	0.15	22.11	0.52	17.82	98.79	CP	Cr-diopside
7501 3753	63 33	96 29	14	7049866	624889	5	23	0.08	0.62	0.83	2.76	54.69	0.12	23.02	0.58	17.20	99.89	CP	Cr-diopside
7501 3801	63 38	96 27	14	7057747	626118	5	25	0.35	0.47	0.50	3.66	53.36	0.17	21.96	0.58	18.09	99.13	CP	Cr-diopside
7501 3804	63 40	96 27	14	7062811	626157	5	29	0.15	0.42	0.79	2.83	54.31	0.24	22.63	0.66	17.43	99.46	CP	Cr-diopside
7501 3808	63 44	96 27	14	7069024	625728	5	38	0.15	0.32	1.19	3.09	54.62	0.17	22.67	0.65	18.21	101.07	CP	Cr-diopside
7501 3810	63 45	96 27	14	7072340	625827	5	44	0.18	0.61	1.37	4.45	53.39	0.33	22.68	0.50	16.76	100.26	CP	Cr-diopside
7501 3813	63 48	96 27	14	7077226	625552	5	46	0.15	0.15	0.65	2.93	54.56	0.23	23.15	0.69	17.68	100.18	CP	Cr-diopside
7501 3816	63 51	96 27	14	7082134	625086	5	47	0.09	0.27	0.62	3.29	53.44	0.33	22.65	0.54	17.54	98.78	CP	Cr-diopside
7501 3850	63 36	96 27	14	7054843	626290	5	53	0.11	0.32	0.85	2.93	53.90	0.19	22.54	0.58	17.55	98.97	CP	Cr-diopside
7501 3852	63 34	96 27	14	7051890	626552	5	57	0.17	0.52	1.12	3.51	53.26	0.20	20.65	1.20	18.08	98.70	CP	Cr-diopside
7501 3900	63 37	96 26	14	7056484	627566	5	63	0.08	0.24	0.45	2.90	54.55	0.17	23.47	0.54	17.92	100.32	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
7501 3902	63 39	96 26	14	7059644	627490	5	65	0.06	0.39	1.29	3.20	54.32	0.50	24.12	0.56	16.74	101.19	CP	Cr-diopside
7501 3903	63 39	96 25	14	7061129	627652	5	66	0.12	0.46	0.90	3.49	53.87	0.23	23.00	0.58	17.13	99.78	CP	Cr-diopside
7501 3905	63 41	96 25	14	7064501	627635	5	71	0.08	0.34	0.92	3.23	55.45	0.22	22.95	0.61	16.84	100.64	CP	Cr-diopside
7501 3910	63 46	96 25	14	7072639	627143	5	80	0.15	1.01	0.88	3.05	54.74	0.33	22.93	0.57	17.17	100.82	CP	Cr-diopside
7501 3912	63 47	96 26	14	7075793	626750	5	85	0.11	0.24	1.15	3.05	53.36	0.14	22.99	0.61	17.71	99.34	CP	Cr-diopside
7501 3913	63 48	96 23	14	7077407	628573	5	94	0.06	0.46	0.76	3.32	54.57	0.23	22.47	0.57	18.13	100.56	CP	Cr-diopside
7501 3914	63 49	96 25	14	7078812	627287	5	99	0.06	0.09	1.14	2.82	53.40	0.20	23.96	0.54	17.69	99.90	CP	Cr-diopside
7501 3958	63 55	95 27	15	7090043	380100	6	6	0.12	0.33	0.62	2.99	54.38	0.24	23.01	0.54	17.22	99.47	CP	Cr-diopside
7501 4004	63 40	96 24	14	7063182	628805	6	15	0.09	0.26	1.06	3.42	53.81	0.26	22.32	0.63	17.50	99.35	CP	Cr-diopside
7501 4005	63 41	96 23	14	7064375	629328	6	24	0.15	0.37	1.05	3.68	53.68	0.31	22.41	0.70	17.43	99.76	CP	Cr-diopside
7501 4005	63 41	96 23	14	7064375	629328	6	25	0.12	0.07	0.99	3.66	54.10	0.24	22.97	0.56	17.60	100.31	CP	Cr-diopside
7501 4102	63 38	96 21	14	7059263	631056	6	42	0.19	0.40	0.91	3.38	54.55	0.23	22.86	0.54	17.55	100.61	CP	Cr-diopside
7501 4104	63 41	96 21	14	7063416	630694	6	44	0.11	0.29	0.53	2.69	53.32	0.22	23.14	0.73	18.09	99.11	CP	Cr-diopside
7501 4108	63 44	96 22	14	7069420	630295	6	45	0.09	0.52	0.67	2.84	54.24	0.33	23.81	0.66	17.29	100.45	CP	Cr-diopside
7501 4111	63 46	96 21	14	7073715	631036	6	51	0.18	0.67	1.03	3.15	55.09	0.23	22.63	0.68	17.62	101.29	CP	Cr-diopside
7501 4200	63 37	96 19	14	7057182	632928	6	60	0.18	0.19	1.38	3.26	54.64	0.22	22.68	1.00	17.30	100.86	CP	Cr-diopside
7501 4203	63 40	96 20	14	7062087	631966	6	71	0.18	0.44	0.92	3.51	54.18	0.24	23.20	0.56	17.27	100.49	CP	Cr-diopside
7501 4205	63 41	96 20	14	7064656	632271	6	79	0.12	0.38	0.78	3.17	54.14	0.24	23.34	0.63	17.51	100.31	CP	Cr-diopside
7501 4206	63 42	96 20	14	7066522	632056	6	91	0.16	0.41	0.95	3.34	53.65	0.20	23.09	0.59	17.12	99.51	CP	Cr-diopside
7501 4207	63 43	96 19	14	7067955	632447	6	92	0.18	0.32	0.65	3.50	53.70	0.28	22.31	0.65	17.50	99.09	CP	Cr-diopside
7501 4214	63 49	96 19	14	7079130	631716	6	99	0.05	1.25	1.76	3.62	53.93	0.29	21.36	0.69	15.74	98.68	CP	Cr-diopside
7501 4217	63 52	96 19	14	7083834	631877	7	4	0.18	0.68	0.98	3.62	54.06	0.18	22.43	0.58	17.81	100.52	CP	Cr-diopside
7501 4217	63 52	96 19	14	7083834	631877	7	8	0.14	0.85	1.16	3.30	53.87	0.28	22.91	0.52	18.49	101.51	CP	Cr-diopside
7501 4253	63 33	96 19	14	7050378	633038	7	9	0.12	0.27	0.71	3.33	53.35	0.39	23.14	0.60	17.26	99.18	CP	Cr-diopside
7501 4301	63 38	96 17	14	7058254	634343	7	13	0.08	0.55	0.91	3.00	53.40	0.15	23.55	0.65	18.19	100.48	CP	Cr-diopside
7501 4301	63 38	96 17	14	7058254	634343	7	16	0.21	0.44	0.65	3.36	53.51	0.20	21.49	0.63	18.30	98.80	CP	Cr-diopside
7501 4301	63 38	96 17	14	7058254	634343	7	18	0.17	0.49	0.76	3.34	54.28	0.17	21.44	0.82	18.61	100.08	CP	Cr-diopside
7501 4302	63 39	96 18	14	7060313	633641	7	21	0.09	0.15	0.65	2.86	54.19	0.15	23.64	0.54	17.89	100.17	CP	Cr-diopside
7501 4303	63 40	96 17	14	7061646	634097	7	28	0.27	0.45	0.94	3.41	53.16	0.33	23.13	0.77	16.55	99.00	CP	Cr-diopside
7501 4304	63 40	96 17	14	7063292	634026	7	32	0.11	0.23	0.88	3.01	54.55	0.21	22.05	0.51	18.30	99.83	CP	Cr-diopside
7501 4305	63 41	96 17	14	7064585	634102	7	43	0.23	0.33	0.74	3.65	54.34	0.24	23.22	0.55	17.63	100.94	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
7501 4305	63 41	96 17	14	7064585	634102	7	47	0.24	0.37	0.92	3.41	54.50	0.18	22.77	0.50	16.36	99.26	CP	Cr-diopside
7501 4306	63 42	96 18	14	7066109	633665	7	51	0.21	0.20	1.08	3.09	54.94	0.22	22.95	0.54	17.80	101.03	CP	Cr-diopside
7501 4306	63 42	96 18	14	7066109	633665	7	53	0.09	0.47	0.80	3.27	52.95	0.29	23.60	0.55	16.70	98.70	CP	Cr-diopside
7501 4313	63 48	96 17	14	7077611	633386	7	69	0.20	0.56	0.97	3.55	53.36	0.32	23.01	0.57	16.14	98.68	CP	Cr-diopside
7501 4314	63 49	96 18	14	7079013	633206	7	73	0.18	0.32	0.65	3.10	54.30	0.19	22.97	0.59	18.32	100.61	CP	Cr-diopside
7501 4317	63 51	96 17	14	7083858	633414	7	79	0.27	0.28	1.30	3.43	54.22	0.32	23.12	0.52	17.21	100.68	CP	Cr-diopside
7501 4401	63 38	96 15	14	7058625	636051	7	86	0.17	0.69	1.07	4.09	53.07	0.31	22.82	0.50	16.73	99.44	CP	Cr-diopside
7501 4402	63 39	96 16	14	7060095	635767	7	93	0.14	0.42	0.80	3.03	54.46	0.21	22.30	0.57	17.56	99.47	CP	Cr-diopside
7501 4402	63 39	96 16	14	7060095	635767	7	94	0.21	0.42	1.21	4.01	53.57	0.28	22.32	0.52	18.94	101.48	CP	Cr-diopside
7501 4402	63 39	96 16	14	7060095	635767	7	98	0.03	0.37	1.04	3.12	54.90	0.26	22.99	0.67	16.76	100.14	CP	Cr-diopside
7501 4405	63 41	96 16	14	7064551	635272	8	4	0.16	0.34	0.87	3.24	53.76	0.36	22.84	0.50	17.79	99.85	CP	Cr-diopside
7501 4505	63 41	96 14	14	7064571	636937	8	31	0.15	0.35	0.92	3.54	53.84	0.27	22.98	0.50	16.99	99.54	CP	Cr-diopside
7501 4505	63 41	96 14	14	7064571	636937	8	32	0.09	0.29	0.69	3.52	54.51	0.27	23.17	0.52	16.65	99.70	CP	Cr-diopside
7501 4507	63 43	96 13	14	7067757	637191	8	36	0.07	0.41	1.27	3.58	53.77	0.28	20.84	1.14	19.11	100.46	CP	Cr-diopside
7501 4509	63 45	96 14	14	7071177	636767	8	38	0.25	0.40	1.22	3.12	54.33	0.18	22.13	0.81	17.69	100.12	CP	Cr-diopside
7501 4511	63 46	96 13	14	7074365	636818	8	40	0.12	0.54	1.05	3.61	53.46	0.33	23.05	0.60	16.07	98.83	CP	Cr-diopside
7501 4515	63 50	96 14	14	7081123	636341	8	42	0.16	0.21	1.04	4.01	53.38	0.27	22.54	0.54	17.19	99.35	CP	Cr-diopside
7501 4517	63 52	96 14	14	7083997	635953	8	44	0.19	0.27	1.05	3.45	53.55	0.27	23.26	0.57	18.15	100.75	CP	Cr-diopside
7501 4603	63 40	96 12	14	7062035	638626	8	51	0.32	0.40	1.09	3.95	53.50	0.41	23.06	0.50	16.92	100.15	CP	Cr-diopside
7501 4604	63 41	96 12	14	7063929	638258	8	58	0.07	0.59	1.26	3.43	54.10	0.32	23.23	0.76	17.13	100.89	CP	Cr-diopside
7501 4605	63 41	96 12	14	7064983	638771	8	60	0.10	0.41	0.83	3.36	53.94	0.23	22.80	0.61	17.38	99.67	CP	Cr-diopside
7501 4613	63 48	96 11	14	7077681	638519	8	61	0.12	0.17	0.73	3.36	53.91	0.29	22.99	0.69	17.54	99.80	CP	Cr-diopside
7501 4801	63 38	96 08	14	7059430	641703	8	73	0.09	0.45	0.72	3.63	54.05	0.28	22.65	0.82	17.58	100.26	CP	Cr-diopside
7501 4801	63 38	96 08	14	7059430	641703	8	76	0.13	0.29	0.75	3.59	54.06	0.25	22.84	0.60	17.24	99.75	CP	Cr-diopside
7501 4804	63 40	96 08	14	7063230	642110	8	89	0.16	0.32	1.03	3.49	54.29	0.20	23.18	0.65	16.33	99.66	CP	Cr-diopside
7501 4805	63 41	96 08	14	7065521	641556	8	92	0.23	0.29	0.74	3.33	53.78	0.21	22.42	0.62	17.08	98.69	CP	Cr-diopside
7501 4809	63 45	96 08	14	7071383	641694	8	97	0.18	0.00	14.48	18.66	0.00	0.30	0.00	52.34	12.58	98.54	IL	chromite
7501 4902	63 39	96 06	14	7060200	643594	9	19	0.20	0.44	1.18	3.27	52.77	0.22	21.78	0.68	18.37	98.91	CP	Cr-diopside
7501 4903	63 39	96 06	14	7061494	643416	9	27	0.18	0.34	1.31	3.83	56.75	0.16	19.80	0.88	17.42	100.66	CP	Cr-diopside
7501 4905	63 41	96 06	14	7064982	643219	9	30	0.20	0.29	0.80	3.88	52.68	0.22	23.52	0.53	16.98	99.11	CP	Cr-diopside
7501 4906	63 42	96 06	14	7066580	643289	9	31	0.25	0.30	0.82	3.37	55.24	0.18	22.77	0.54	16.38	99.85	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
7501 4912	63 47	96 06	14	7076044	642593	9	34	0.09	0.44	1.14	3.18	53.83	0.33	22.96	0.74	17.74	100.45	CP	Cr-diopside
7501 5002	63 39	96 04	14	7060361	644989	9	44	0.12	0.27	0.85	3.14	53.33	0.28	22.66	0.57	17.61	98.83	CP	Cr-diopside
7501 5004	63 40	96 05	14	7063414	644674	9	50	0.13	0.19	0.63	2.77	54.12	0.19	23.23	0.52	18.01	99.79	CP	Cr-diopside
7501 5005	63 41	96 04	14	7065185	644766	9	51	0.13	0.27	0.83	3.00	54.37	0.26	23.17	0.62	17.11	99.76	CP	Cr-diopside
7501 5006	63 42	96 04	14	7066397	644640	9	52	0.21	0.25	0.89	4.18	54.18	0.18	22.38	0.51	17.39	100.17	CP	Cr-diopside
7501 5008	63 44	96 05	14	7069986	643755	9	55	0.12	0.20	0.71	3.21	53.44	0.33	22.92	0.58	17.97	99.47	CP	Cr-diopside
7501 5013	63 48	96 04	14	7077683	644403	9	70	0.19	0.29	0.74	3.34	54.36	0.35	22.77	0.71	16.69	99.43	CP	Cr-diopside
7501 5102	63 39	96 02	14	7060331	646984	9	83	0.18	0.17	0.63	3.55	55.20	0.27	22.48	0.53	17.51	100.51	CP	Cr-diopside
7501 5112	63 47	96 02	14	7076079	646277	10	13	0.13	0.42	0.73	3.60	54.13	0.15	22.90	0.50	17.05	99.62	CP	Cr-diopside
7501 5112	63 47	96 02	14	7076079	646277	10	15	0.20	0.78	1.09	3.21	54.67	0.24	21.02	0.50	17.07	98.79	CP	Cr-diopside
7501 5112	63 47	96 02	14	7076079	646277	10	18	0.13	0.21	0.93	3.44	53.95	0.23	23.26	0.69	17.05	99.89	CP	Cr-diopside
7501 5112	63 47	96 02	14	7076079	646277	10	3	0.29	0.00	14.81	19.04	0.00	0.36	0.00	51.40	12.55	98.45	SP	chromite
7501 5112	63 47	96 02	14	7076079	646277	10	5	0.39	0.00	15.45	18.40	0.00	0.27	0.00	52.61	11.83	98.95	SP	chromite
7501 5205	63 41	96 00	15	7065153	351601	10	42	0.23	0.26	0.79	3.43	53.22	0.26	23.10	0.67	17.01	98.97	CP	Cr-diopside
7501 5302	63 38	95 58	15	7060012	353208	10	54	0.10	0.31	1.13	3.83	53.45	0.19	23.57	0.51	16.52	99.63	CP	Cr-diopside
7501 5313	63 48	95 58	15	7077843	354073	10	73	0.19	0.26	0.94	3.29	52.92	0.32	22.82	0.68	18.43	99.86	CP	Cr-diopside
7501 5400	63 37	95 56	15	7056994	354458	10	74	0.10	0.24	0.78	2.24	54.27	0.25	22.29	1.09	17.70	98.97	CP	Cr-diopside
7501 5400	63 37	95 56	15	7056994	354458	10	76	0.09	0.78	0.94	3.46	54.39	0.21	23.03	0.58	16.86	100.34	CP	Cr-diopside
7501 5401	63 38	95 56	15	7058439	354486	10	82	0.26	0.39	0.97	3.05	54.06	0.16	23.71	0.63	18.02	101.25	CP	Cr-diopside
7501 5402	63 38	95 56	15	7059915	354413	10	94	0.26	0.50	0.83	3.56	52.95	0.20	22.99	0.56	16.90	98.75	CP	Cr-diopside
7501 5410	63 45	95 56	15	7072930	355361	11	12	0.12	0.20	0.96	3.53	53.92	0.29	22.91	0.65	17.25	99.82	CP	Cr-diopside
7501 5410	63 45	95 56	15	7072930	355361	11	13	0.10	0.42	0.85	3.89	55.18	0.23	21.35	0.72	16.44	99.19	CP	Cr-diopside
7501 5412	63 47	95 56	15	7076658	355474	11	16	2.12	0.06	3.60	16.18	0.04	0.26	0.01	67.98	9.81	100.06	SP	chromite
7501 5509	63 45	95 54	15	7071352	356600	11	35	0.16	0.58	1.08	3.74	54.42	0.26	23.32	0.65	16.57	100.79	CP	Cr-diopside
7501 5509	63 45	95 54	15	7071352	356600	11	37	0.12	0.28	1.22	3.55	52.76	0.33	22.85	1.01	16.62	98.73	CP	Cr-diopside
7501 5510	63 45	95 54	15	7072937	356877	11	39	0.12	0.43	0.82	3.21	53.31	0.41	22.82	0.62	16.89	98.63	CP	Cr-diopside
7501 5605	63 41	95 53	15	7064770	357403	11	44	0.22	0.71	1.50	3.38	54.35	0.25	22.50	0.67	16.39	99.97	CP	Cr-diopside
7501 5606	63 42	95 52	15	7066315	357932	11	50	0.25	0.31	0.84	3.93	53.40	0.25	22.62	0.61	17.25	99.46	CP	Cr-diopside
7501 5607	63 43	95 52	15	7067857	358181	11	52	0.18	0.24	0.72	2.84	53.01	0.23	22.68	0.56	17.80	98.27	CP	Cr-diopside
7501 5607	63 43	95 52	15	7067857	358181	11	53	0.12	0.12	0.70	3.47	55.73	0.27	22.70	0.63	16.17	99.92	CP	Cr-diopside
7501 5608	63 44	95 53	15	7069968	358041	11	59	0.09	0.04	0.78	3.28	54.29	0.21	23.22	0.53	17.74	100.19	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
7501 5608	63 44	95 53	15	7069968	358041	11	60	0.10	0.31	0.90	3.53	54.10	0.35	22.85	0.64	16.51	99.29	CP	Cr-diopside
7501 5610	63 45	95 53	15	7073011	358104	11	69	0.09	0.42	0.42	3.00	54.88	0.25	22.46	0.61	16.88	98.99	CP	Cr-diopside
7501 5611	63 46	95 52	15	7074345	358890	11	71	0.13	0.74	1.01	3.82	54.50	0.36	21.85	0.65	15.84	98.90	CP	Cr-diopside
7501 5700	63 37	95 50	15	7056700	359300	11	78	0.16	0.15	1.48	4.34	53.15	0.35	21.98	0.61	17.26	99.49	CP	Cr-diopside
7501 5702	63 38	95 50	15	7059831	359746	11	84	0.22	0.15	0.80	2.60	54.89	0.19	23.23	0.50	18.51	101.09	CP	Cr-diopside
7501 5707	63 43	95 51	15	7067802	359312	12	7	0.13	0.83	1.18	3.31	52.81	0.32	23.49	0.55	17.38	100.00	CP	Cr-diopside
7501 5708	63 44	95 51	15	7069874	359310	12	10	0.12	0.17	0.84	3.69	54.52	0.37	22.24	0.56	15.99	98.51	CP	Cr-diopside
7501 5708	63 44	95 51	15	7069874	359310	12	11	0.09	0.30	0.58	3.45	54.52	0.22	23.13	0.60	16.47	99.35	CP	Cr-diopside
7501 5710	63 45	95 51	15	7072985	359530	12	15	0.12	0.36	0.87	3.19	53.97	0.34	22.85	0.68	16.63	99.00	CP	Cr-diopside
7501 5710	63 45	95 51	15	7072985	359530	12	16	0.12	0.20	0.85	3.33	52.94	0.27	22.78	0.77	16.71	97.98	CP	Cr-diopside
7501 5711	63 46	95 51	15	7074224	359826	12	19	0.16	0.43	0.87	2.72	53.42	0.20	23.19	0.76	17.78	99.53	CP	Cr-diopside
7501 5711	63 46	95 51	15	7074224	359826	12	20	0.12	0.39	1.34	4.00	54.59	0.29	21.02	0.95	15.87	98.58	CP	Cr-diopside
7501 5711	63 46	95 51	15	7074224	359826	12	22	0.12	0.24	1.02	3.58	53.25	0.26	23.13	0.69	17.13	99.40	CP	Cr-diopside
7501 5711	63 46	95 51	15	7074224	359826	12	23	0.19	0.44	0.39	3.12	53.01	0.24	23.43	0.54	16.85	98.20	CP	Cr-diopside
7501 5809	63 45	95 48	15	7071301	361553	12	25	0.22	0.09	0.83	2.76	54.27	0.27	23.10	0.55	16.93	99.03	CP	Cr-diopside
7501 5904	63 40	95 46	15	7063122	362881	12	31	0.15	0.32	0.86	3.53	52.96	0.24	23.26	0.53	17.14	99.00	CP	Cr-diopside
7501 5907	63 43	95 47	15	7067574	362702	12	37	0.15	0.34	0.99	2.96	53.69	0.24	23.33	0.73	16.70	99.13	CP	Cr-diopside
7501 5911	63 46	95 46	15	7074032	363383	12	40	0.15	0.90	0.32	4.48	53.04	0.54	22.18	0.83	16.10	98.54	CP	Cr-diopside
7501 6005	63 41	95 45	15	7064725	364229	12	52	0.08	0.32	0.79	2.95	54.95	0.25	22.43	0.59	17.08	99.43	CP	Cr-diopside
7501 6006	63 42	95 45	15	7065695	364205	12	56	0.15	0.84	1.19	3.76	54.89	0.25	22.63	0.50	16.46	100.67	CP	Cr-diopside
7501 6006	63 42	95 45	15	7065695	364205	12	62	0.06	0.62	1.21	3.49	54.62	0.27	22.94	0.51	16.76	100.48	CP	Cr-diopside
7501 6006	63 42	95 45	15	7065695	364205	12	63	0.25	0.44	0.84	3.09	54.96	0.22	23.32	0.51	17.71	101.33	CP	Cr-diopside
7501 6011	63 46	95 45	15	7073430	364726	12	67	0.09	0.42	0.84	3.10	54.00	0.22	23.36	0.67	17.93	100.62	CP	Cr-diopside
7501 6103	63 40	95 43	15	7061620	365793	12	79	0.10	0.59	1.24	3.70	53.36	0.33	22.96	0.64	16.13	99.06	CP	Cr-diopside
7501 6103	63 40	95 43	15	7061620	365793	12	80	0.21	0.28	1.01	4.04	54.08	0.32	22.57	0.65	16.52	99.69	CP	Cr-diopside
7501 6112	63 47	95 43	15	7076009	366178	12	89	0.13	0.47	0.67	3.43	53.50	0.26	22.32	0.62	16.90	98.32	CP	Cr-diopside
7501 6203	63 40	95 41	15	7061723	367544	12	98	0.11	0.23	0.92	3.68	53.69	0.26	22.35	0.56	16.45	98.24	CP	Cr-diopside
7501 6212	63 47	95 41	15	7075979	367795	13	13	0.09	0.19	0.90	3.06	53.88	0.22	23.68	0.69	16.76	99.46	CP	Cr-diopside
7501 6308	63 43	95 38	15	7068839	370198	13	20	0.06	0.56	1.69	4.13	53.04	0.29	20.40	1.33	18.02	99.52	CP	Cr-diopside
7501 6403	63 40	95 37	15	7061589	370250	13	27	0.13	0.30	0.64	2.93	54.72	0.29	23.20	0.54	18.56	101.31	CP	Cr-diopside
7501 6405	63 41	95 37	15	7064628	370632	13	32	0.21	0.13	0.86	3.26	53.05	0.35	23.14	0.73	17.36	99.08	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
7501 6406	63 42	95 36	15	7065761	371126	13	36	0.13	0.39	1.18	4.28	53.32	0.31	22.23	0.55	17.26	99.64	CP	Cr-diopside
7501 6414	63 49	95 37	15	7078643	371341	13	42	0.25	0.51	1.42	4.10	53.96	0.23	20.77	1.07	17.22	99.53	CP	Cr-diopside
7501 6415	63 50	95 36	15	7080366	371765	13	45	0.17	0.69	0.73	2.92	54.25	0.18	22.84	0.74	16.42	98.94	CP	Cr-diopside
7501 6504	63 41	95 35	15	7063237	372544	13	49	0.02	0.47	2.65	4.80	52.75	0.33	20.19	0.51	17.05	98.76	CP	Cr-diopside
7501 6506	63 42	95 35	15	7065868	372559	13	55	0.08	0.77	1.10	3.37	54.52	0.20	23.25	0.57	16.73	100.59	CP	Cr-diopside
7501 6606	63 42	95 33	15	7065893	374115	13	70	0.14	0.52	1.27	4.25	53.88	0.22	21.12	0.90	17.55	99.87	CP	Cr-diopside
7501 6706	63 42	95 31	15	7066077	375539	13	83	0.17	0.52	1.04	3.43	53.75	0.31	23.43	0.93	16.83	100.41	CP	Cr-diopside
7501 6706	63 42	95 31	15	7066077	375539	13	85	0.11	0.29	1.43	4.61	54.57	0.18	20.70	0.68	16.71	99.29	CP	Cr-diopside
7501 6706	63 42	95 31	15	7066077	375539	13	87	0.16	0.38	0.94	3.38	54.05	0.27	23.23	0.64	16.60	99.65	CP	Cr-diopside
7501 6711	63 46	95 31	15	7073893	376205	13	93	0.06	0.60	0.98	3.34	53.08	0.37	22.54	0.52	17.75	99.24	CP	Cr-diopside
7501 6711	63 46	95 31	15	7073893	376205	13	94	0.18	0.72	1.17	3.44	53.81	0.36	23.25	0.53	16.88	100.34	CP	Cr-diopside
7501 6714	63 49	95 30	15	7078475	376683	13	95	0.13	0.45	2.45	4.41	53.06	0.23	21.48	0.65	17.64	100.49	CP	Cr-diopside
7501 6804	63 40	95 29	15	7062693	377177	13	99	0.13	0.31	0.77	2.78	54.82	0.26	22.93	0.50	17.52	100.03	CP	Cr-diopside
7501 6804	63 40	95 29	15	7062693	377177	13	100	0.19	0.24	1.56	4.65	54.11	0.20	20.98	0.76	17.96	100.66	CP	Cr-diopside
7501 6919	63 53	95 27	15	7086407	379686	14	16	0.10	0.18	0.89	3.16	53.82	0.28	23.17	0.77	17.39	99.74	CP	Cr-diopside
7501 6919	63 53	95 27	15	7086407	379686	14	17	0.10	0.33	1.02	3.35	55.30	0.31	22.92	0.65	17.52	101.50	CP	Cr-diopside
7501 7205	63 41	95 20	15	7064182	384303	14	27	0.12	0.37	0.72	3.47	54.50	0.17	22.48	0.54	17.22	99.58	CP	Cr-diopside
7501 7303	63 40	95 19	15	7060953	385084	14	30	0.12	0.56	1.91	3.46	53.40	0.25	21.16	0.87	18.87	100.59	CP	Cr-diopside
7501 7512	63 47	95 15	15	7075426	389334	14	34	0.15	0.41	1.84	3.90	54.07	0.32	22.18	1.14	17.01	101.03	CP	Cr-diopside
7501 7718	63 52	95 11	15	7084658	392930	14	41	0.12	0.45	1.52	3.93	53.84	0.26	20.80	0.90	18.17	99.99	CP	Cr-diopside
7501 7819	63 53	95 09	15	7085938	394605	14	48	0.11	0.46	0.75	3.05	54.25	0.22	22.97	0.66	17.83	100.30	CP	Cr-diopside
7501 8014	63 49	95 06	15	7077827	396917	14	49	0.16	0.55	0.99	4.33	55.58	0.08	20.38	0.56	18.10	100.72	CP	Cr-diopside
7501 8315	63 50	94 60	15	7079531	401940	14	63	0.07	0.38	1.03	3.13	53.20	0.22	23.83	0.80	16.06	98.71	CP	Cr-diopside
7501 8516	63 51	94 56	15	7080966	405101	14	78	0.10	0.21	0.80	2.65	54.54	0.20	22.63	0.67	16.99	98.80	CP	Cr-diopside
7501 8712	63 47	94 52	15	7074599	408055	14	95	0.16	0.64	0.93	2.64	54.81	0.11	22.22	0.67	17.07	99.24	CP	Cr-diopside
7501 8714	63 49	94 52	15	7078023	408381	14	100	0.06	0.35	0.84	2.92	54.55	0.21	22.01	0.85	17.36	99.15	CP	Cr-diopside
7501 8908	63 44	94 48	15	7068047	410770	15	20	0.10	0.41	1.14	3.33	53.45	0.20	21.38	0.99	18.02	99.00	CP	Cr-diopside
7501 8913	63 48	94 48	15	7075986	411404	15	31	0.16	0.34	1.13	3.96	53.76	0.25	20.57	0.91	16.77	97.84	CP	Cr-diopside
7501 8917	63 52	94 48	15	7082488	411750	15	47	0.20	0.56	1.85	4.34	51.55	0.26	19.76	0.70	17.08	96.31	CP	Cr-diopside
7501 8919	63 53	94 47	15	7085486	412034	15	64	0.19	0.47	1.77	5.48	54.10	0.46	16.18	0.55	21.22	100.41	CP	Cr-diopside
7501 9008	63 44	94 46	15	7068071	412912	15	68	0.22	0.65	2.08	3.71	53.08	0.19	20.45	1.07	17.58	99.03	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
7501 9008	63 44	94 46	15	7068071	412912	15	69	0.14	0.38	1.71	4.11	52.65	0.19	20.70	0.82	17.69	98.39	CP	Cr-diopside
7501 9017	63 52	94 45	15	7082600	413600	15	99	0.14	0.62	1.71	4.07	53.51	0.11	23.37	0.62	15.85	100.00	CP	Cr-diopside
7501 9117	63 52	94 44	15	7082501	415032	16	10	0.10	0.61	2.83	3.19	53.51	0.15	23.08	0.65	15.67	99.80	CP	Cr-diopside
76PL 1503	63 39	97 12	14	7059513	589329	16	19	0.26	0.00	12.16	9.66	0.14	0.31	0.07	61.14	17.55	101.28	SP	chromite1
76PL 1552	63 34	97 12	14	7050566	589784	16	40	0.02	0.28	1.37	2.57	53.09	0.31	23.39	1.00	17.41	99.44	CP	Cr-diopside
76PL 1601	63 38	97 10	14	7056484	590852	16	45	0.18	0.45	0.93	2.90	53.24	0.12	22.60	0.59	17.97	99.00	CP	Cr-diopside
76PL 1821	63 55	97 06	14	7088732	592965	16	90	0.07	0.45	0.66	3.14	55.01	0.18	22.46	0.61	17.67	100.25	CP	Cr-diopside
76PL 1851	63 35	97 06	14	7051612	594325	17	25	0.17	1.33	1.55	2.93	55.57	0.10	18.72	1.05	18.41	99.82	CP	Cr-diopside
76PL 1852	63 34	97 05	14	7050128	594793	17	28	0.10	0.40	0.84	2.87	54.89	0.25	22.67	0.52	17.90	100.42	CP	Cr-diopside
76PL 1901	63 38	97 04	14	7056905	595809	17	32	0.23	1.92	0.32	6.18	53.98	0.16	21.96	1.38	13.64	99.76	CP	Cr-diopside
76PL 1903	63 39	97 04	14	7059949	595686	17	35	0.26	0.81	2.68	3.93	53.29	0.22	21.44	0.86	17.04	100.53	CP	Cr-diopside
76PL 1903	63 39	97 04	14	7059949	595686	17	36	0.14	0.27	0.84	2.81	54.41	0.23	22.76	0.50	17.97	99.94	CP	Cr-diopside
76PL 1908	63 73	97 07	14	7068095	595331	17	51	0.11	0.47	1.79	4.46	53.84	0.22	21.37	0.59	16.44	99.29	CP	Cr-diopside
76PL 1911	63 46	97 04	14	7073087	595051	17	52	0.14	0.62	1.04	5.22	52.80	0.43	23.23	0.60	16.45	100.53	CP	Cr-diopside
76PL 1916	63 51	97 04	14	7081354	594720	17	60	0.10	0.31	1.02	3.89	54.12	0.31	22.92	0.63	16.23	99.52	CP	Cr-diopside
76PL 1918	63 52	97 05	14	7084301	594459	17	64	0.16	0.44	0.69	3.07	53.64	0.14	21.85	0.84	18.01	98.86	CP	Cr-diopside
76PL 1921	63 55	97 04	14	7088554	594622	17	68	0.21	0.39	1.11	3.53	53.41	0.30	23.46	0.85	16.44	99.69	CP	Cr-diopside
76PL 1924	63 58	97 05	14	7093952	594209	17	69	0.09	0.16	0.31	2.35	55.02	0.23	23.73	0.54	17.73	100.16	CP	Cr-diopside
76PL 1951	63 35	97 04	14	7052644	595556	17	73	0.13	0.74	0.80	2.91	54.96	0.12	22.44	0.59	18.49	101.17	CP	Cr-diopside
76PL 2000	63 37	97 02	14	7055494	597689	17	81	0.09	0.43	0.75	3.30	55.11	0.29	23.21	0.56	17.02	100.75	CP	Cr-diopside
76PL 2010	63 46	97 02	14	7071437	596718	17	92	0.24	0.40	1.28	4.17	53.85	0.14	21.97	0.53	17.30	99.90	CP	Cr-diopside
76PL 2010	63 46	97 02	14	7071437	596718	17	93	0.18	0.28	1.19	3.64	54.06	0.26	23.17	0.50	16.40	99.69	CP	Cr-diopside
76PL 2015	63 50	97 03	14	7079802	595750	17	98	0.05	0.48	0.67	3.33	54.81	0.20	23.78	0.52	16.08	99.92	CP	Cr-diopside
76PL 2051	63 35	97 02	14	7052000	597300	18	30	0.20	0.66	1.13	3.48	54.34	0.08	23.45	0.52	16.28	100.14	CP	Cr-diopside
76PL 2053	63 33	97 02	14	7048978	597560	18	32	0.28	0.00	12.25	14.09	0.06	0.08	0.00	56.92	14.94	98.61	IL	chromite1
76PL 2107	63 43	97 00	14	7066681	598713	18	45	0.09	0.29	0.90	3.34	55.06	0.28	23.41	0.64	15.91	99.92	CP	Cr-diopside
76PL 2110	63 46	97 00	14	7071909	598429	18	49	0.10	0.29	0.91	2.89	55.10	0.17	22.01	0.89	19.24	101.60	CP	Cr-diopside
76PL 2110	63 46	97 00	14	7071909	598429	18	50	0.09	0.49	0.72	3.10	54.32	0.22	22.62	0.51	17.30	99.36	CP	Cr-diopside
76PL 2110	63 46	97 00	14	7071909	598429	18	52	0.13	0.32	0.87	2.92	54.50	0.21	21.91	0.83	18.21	99.90	CP	Cr-diopside
76PL 2110	63 46	97 00	14	7071909	598429	18	53	0.09	0.49	0.91	3.45	54.60	0.22	22.26	0.68	17.82	100.52	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
76PL 2111	63 46	97 01	14	7072936	598044	18	57	0.27	0.49	1.01	4.14	54.13	0.19	20.25	0.65	18.28	99.41	CP	Cr-diopside
76PL 2120	63 54	97 01	14	7087483	597477	18	63	0.11	0.31	0.73	3.67	54.45	0.21	22.98	0.55	17.50	100.51	CP	Cr-diopside
76PL 2150	63 36	96 60	14	7054405	599437	18	70	0.16	0.52	1.31	3.17	54.39	0.18	21.59	1.14	17.61	100.06	CP	Cr-diopside
76PL 2208	63 44	96 58	14	7068520	600149	18	84	0.15	0.75	0.81	2.86	54.76	0.16	21.16	1.28	18.19	100.11	CP	Cr-diopside
76PL 2252	63 34	96 58	14	7050730	600778	19	14	0.17	0.04	0.88	2.96	54.69	0.13	22.54	0.54	17.28	99.23	CP	Cr-diopside
76PL 2308	63 44	96 57	14	7069075	601438	19	29	0.20	0.36	0.94	2.94	54.37	0.23	22.49	0.71	16.33	98.58	CP	Cr-diopside
76PL 2310	63 46	96 56	14	7072329	601656	19	36	0.11	0.59	0.88	2.90	54.06	0.22	22.84	0.66	17.83	100.09	CP	Cr-diopside
76PL 2311	63 46	96 56	14	7073300	602000	19	38	0.17	0.46	0.80	2.90	55.02	0.17	22.30	0.68	18.28	100.78	CP	Cr-diopside
76PL 2402	63 39	96 54	14	7059602	603709	19	93	0.19	0.30	0.66	3.31	53.82	0.17	23.70	0.64	17.17	99.95	CP	Cr-diopside
76PL 2405	63 41	96 52	14	7062600	605600	19	95	0.24	0.32	0.77	3.69	54.83	0.22	23.35	0.53	16.41	100.37	CP	Cr-diopside
76PL 2406	63 42	96 53	14	7065514	604828	19	103	0.11	0.43	0.83	3.29	53.74	0.21	22.47	0.50	17.32	98.91	CP	Cr-diopside
76PL 2406	63 42	96 53	14	7065514	604828	19	107	0.19	0.46	1.46	5.56	53.32	0.45	21.42	0.51	16.21	99.59	CP	Cr-diopside
76PL 2419	63 53	96 54	14	7086394	602929	20	6	0.05	0.30	0.88	3.62	54.18	0.23	23.40	0.66	17.40	100.71	CP	Cr-diopside
76PL 2451	63 35	96 54	14	7052457	604507	20	48	0.10	0.44	1.29	3.48	53.83	0.18	22.20	0.72	16.89	99.13	CP	Cr-diopside
76PL 2453	63 34	96 54	14	7049340	604478	20	62	0.22	0.92	1.52	4.87	54.05	0.12	23.03	0.63	15.35	100.72	CP	Cr-diopside
76PL 2504	63 41	96 52	14	7062637	605508	20	70	0.19	0.34	0.46	2.43	53.67	0.21	23.63	0.86	17.33	99.11	CP	Cr-diopside
76PL 2506	63 42	96 50	14	7065393	606942	20	71	0.19	0.41	0.74	2.83	53.25	0.21	23.28	0.53	17.91	99.35	CP	Cr-diopside
76PL 2510	63 46	96 53	14	7071630	604683	20	77	0.18	0.36	1.04	3.94	53.50	0.18	21.27	0.53	18.20	99.21	CP	Cr-diopside
76PL 2519	63 53	96 53	14	7086275	604267	20	92	0.24	0.48	0.57	2.98	53.87	0.15	23.81	0.65	17.11	99.87	CP	Cr-diopside
76PL 2553	63 33	96 52	14	7049103	606034	21	35	0.08	0.58	0.98	3.88	53.22	0.30	23.04	0.61	17.06	99.74	CP	Cr-diopside
76PL 2610	63 46	96 50	14	7072082	607145	21	45	0.15	0.37	0.84	3.53	55.00	0.29	23.31	0.62	16.91	101.03	CP	Cr-diopside
76PL 2616	63 51	96 51	14	7081582	605803	21	48	0.21	0.00	23.68	14.62	0.13	0.19	0.07	46.00	16.24	101.13	SP	chromite
76PL 2620	63 54	96 51	14	7088021	605118	21	62	0.18	0.23	1.12	3.23	54.42	0.19	22.04	0.61	17.16	99.17	CP	Cr-diopside
76PL 2653	63 33	96 50	14	7048999	607563	22	4	0.41	0.00	13.87	16.39	0.00	0.25	0.00	55.29	13.51	99.72	SP	chromite
76PL 2703	63 40	96 46	14	7060670	610159	22	14	0.08	0.24	0.91	3.24	53.56	0.22	23.54	0.59	17.38	99.78	CP	Cr-diopside
76PL 2705	63 41	96 47	14	7064178	609926	22	19	0.18	0.51	0.98	3.52	54.30	0.28	23.83	0.66	16.93	101.18	CP	Cr-diopside
76PL 2705	63 41	96 47	14	7064178	609926	22	20	0.17	0.38	0.82	3.26	53.48	0.27	23.45	0.60	18.39	100.83	CP	Cr-diopside
76PL 2705	63 41	96 47	14	7064178	609926	22	21	0.17	0.20	0.73	3.73	53.71	0.26	23.31	0.50	17.06	99.67	CP	Cr-diopside
76PL 2705	63 41	96 47	14	7064178	609926	22	24	0.14	0.41	1.09	3.09	53.01	0.22	22.46	0.63	18.09	99.14	CP	Cr-diopside
76PL 2705	63 41	96 47	14	7064178	609926	22	26	0.17	0.32	0.87	3.63	55.04	0.29	22.82	0.55	16.51	100.20	CP	Cr-diopside
76PL 2707	63 43	96 49	14	7067019	608228	22	32	0.13	0.17	0.94	3.73	54.32	0.29	22.88	0.65	16.78	99.87	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
76PL 2710	63 45	96 49	14	7071427	607651	22	40	0.10	0.35	0.86	3.33	55.60	0.19	21.89	0.84	16.67	99.83	CP	Cr-diopside
76PL 2710	63 45	96 49	14	7071427	607651	22	41	0.10	0.38	0.71	3.31	56.28	0.27	21.27	0.68	15.43	98.45	CP	Cr-diopside
76PL 2802	63 39	96 47	14	7058972	609981	22	76	0.19	0.21	0.82	3.32	55.80	0.24	22.79	0.58	16.36	100.32	CP	Cr-diopside
76PL 2803	63 40	96 45	14	7060755	611532	22	78	0.12	0.62	0.61	3.41	54.28	0.54	23.88	0.53	16.04	100.04	CP	Cr-diopside
76PL 2803	63 40	96 45	14	7060755	611532	22	79	0.19	0.35	1.06	3.27	54.05	0.26	23.27	0.58	17.24	100.26	CP	Cr-diopside
76PL 2803	63 40	96 45	14	7060755	611532	22	80	0.17	0.42	1.69	3.90	54.28	0.16	22.86	0.85	15.68	100.01	CP	Cr-diopside
76PL 2805	63 41	96 45	14	7063769	611549	22	83	0.31	0.00	9.58	13.38	0.32	0.35	0.08	62.23	15.12	101.38	SP	chromite1
76PL 2807	63 43	96 47	14	7066698	609735	22	92	0.13	0.37	0.82	3.44	54.71	0.30	22.95	0.51	16.92	100.14	CP	Cr-diopside
76PL 2807	63 43	96 47	14	7066698	609735	22	93	0.17	0.49	0.61	3.12	53.12	0.30	23.62	0.50	17.43	99.35	CP	Cr-diopside
76PL 2808	63 44	96 47	14	7068227	609291	22	95	0.14	0.12	0.64	2.92	55.44	0.21	22.53	0.61	16.59	99.19	CP	Cr-diopside
76PL 2808	63 44	96 47	14	7068227	609291	22	97	0.26	0.45	1.23	3.68	53.88	0.25	21.88	0.83	16.68	99.15	CP	Cr-diopside
76PL 2811	63 47	96 47	14	7073685	609411	23	2	0.07	0.64	0.69	2.70	54.63	0.18	22.80	0.65	17.64	100.00	CP	Cr-diopside
76PL 2817	63 52	96 47	14	7083204	608883	23	8	0.08	0.40	0.69	3.28	54.02	0.32	23.17	0.50	16.99	99.45	CP	Cr-diopside
76PL 2820	63 54	96 47	14	7088259	608525	23	21	0.14	0.95	0.70	2.81	53.70	0.10	21.86	0.85	18.82	99.94	CP	Cr-diopside
76PL 2903	63 40	96 42	14	7061074	613665	23	43	0.09	0.22	0.71	3.60	55.21	0.24	23.32	0.60	16.62	100.60	CP	Cr-diopside
76PL 2903	63 40	96 42	14	7061074	613665	23	45	0.18	0.37	0.76	3.46	54.63	0.26	22.47	0.61	16.47	99.22	CP	Cr-diopside
76PL 2903	63 40	96 42	14	7061074	613665	23	46	0.15	0.43	0.81	3.49	55.63	0.32	21.56	0.75	15.57	98.71	CP	Cr-diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	48	0.23	0.23	0.78	3.73	53.72	0.22	23.25	0.60	16.01	98.76	CP	Cr-diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	55	0.17	0.38	0.69	2.57	54.77	0.17	23.37	0.52	18.41	101.06	CP	Cr-diopside
76PL 2905	63 41	96 43	14	7063600	613200	23	58	0.15	0.50	0.83	3.60	54.07	0.28	23.48	0.54	16.96	100.41	CP	Cr-diopside
76PL 2907	63 43	96 45	14	7066718	610995	23	65	0.14	0.24	0.82	2.70	54.56	0.14	21.42	0.73	18.91	99.65	CP	Cr-diopside
76PL 2907	63 43	96 45	14	7066718	610995	23	62	0.35	0.04	3.87	13.05	0.11	0.35	0.08	67.54	15.49	100.87	SP	chromite1
76PL 2908	63 44	96 45	14	7069471	611398	23	67	0.19	0.92	1.27	3.09	54.56	0.17	21.47	0.99	16.61	99.26	CP	Cr-diopside
76PL 2908	63 44	96 45	14	7069471	611398	23	68	0.22	0.28	0.74	3.38	53.61	0.27	23.34	0.50	17.05	99.39	CP	Cr-diopside
76PL 2917	63 52	96 45	14	7083550	610647	23	82	0.10	0.33	1.34	4.24	53.55	0.32	22.26	0.71	16.86	99.70	CP	Cr-diopside
76PL 2920	63 54	96 45	14	7088188	610168	23	85	0.10	0.35	0.79	3.45	55.89	0.23	21.76	0.54	16.79	99.90	CP	Cr-diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	96	0.14	0.69	1.62	4.11	52.59	0.26	20.75	0.80	17.80	98.75	CP	Cr-diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	97	0.15	0.40	0.94	2.93	53.52	0.19	22.99	0.58	17.19	98.90	CP	Cr-diopside
76PL 3004	63 40	96 42	14	7062507	613605	23	99	0.21	0.40	0.68	3.17	53.39	0.25	23.29	0.57	16.64	98.60	CP	Cr-diopside
76PL 3024	63 58	96 43	14	7094738	611735	24	5	0.09	0.75	1.28	3.40	54.20	0.31	23.37	0.58	15.27	99.25	CP	Cr-diopside
76PL 3026	63 59	96 43	14	7097383	611732	24	13	0.23	0.63	0.67	3.26	53.83	0.27	22.07	0.60	17.08	98.65	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
76PL 3026	63 59	96 43	14	7097383	611732	24	17	0.06	0.60	0.92	3.23	53.77	0.34	23.58	0.65	18.06	101.22	CP	Cr-diopside
76PL 3722	63 56	96 30	14	7091017	622929	24	48	0.11	0.38	0.69	3.03	53.52	0.32	22.88	0.54	18.10	99.59	CP	Cr-diopside
76PL 4020	63 54	96 24	14	7088381	627997	24	72	0.10	0.47	2.58	3.39	52.67	0.22	21.43	1.34	16.83	99.03	CP	Cr-diopside
76PL 4125	63 58	96 22	14	7096403	628764	24	89	0.17	0.51	1.00	3.62	53.59	0.22	23.15	0.50	16.75	99.50	CP	Cr-diopside
76PL 4153	63 34	96 20	14	7050736	632559	24	93	0.17	0.28	0.77	3.03	53.31	0.21	23.72	0.68	17.04	99.21	CP	Cr-diopside
76PL 4219	63 53	96 18	14	7087200	632200	24	96	0.11	0.66	1.23	3.64	53.75	0.28	22.77	0.67	16.35	99.44	CP	Cr-diopside
76PL 4219	63 53	96 18	14	7087200	632200	24	102	0.10	0.37	0.89	3.06	53.03	0.38	24.06	0.64	17.48	100.01	CP	Cr-diopside
76PL 4318	63 52	96 17	14	7085300	633400	25	8	0.09	0.48	0.61	3.10	55.41	0.18	23.14	0.53	17.09	100.63	CP	Cr-diopside
76PL 4318	63 52	96 17	14	7085300	633400	25	10	0.11	0.26	0.94	3.36	55.24	0.28	23.06	0.65	16.15	100.05	CP	Cr-diopside
76PL 4520	63 54	96 13	14	7088078	636465	25	29	0.17	0.02	14.75	14.38	0.00	0.20	0.00	55.21	14.08	98.81	SP	chromite
76PL 4520	63 54	96 13	14	7088078	636465	25	31	0.53	0.08	12.08	32.86	0.00	0.37	0.00	50.81	2.49	99.22	SP	chromite
76PL 4521	63 55	96 14	14	7090014	635964	25	34	0.14	1.25	1.35	3.41	55.22	0.22	21.34	0.74	16.45	100.12	CP	Cr-diopside
76PL 4526	63 59	96 14	14	7098622	635030	25	37	0.14	0.40	0.84	2.74	55.45	0.24	22.98	0.51	17.71	101.01	CP	Cr-diopside
76PL 4600	63 37	96 12	14	7056505	639241	25	43	0.09	0.31	1.03	3.97	54.68	0.38	22.11	0.72	17.57	100.87	CP	Cr-diopside
76PL 4600	63 37	96 12	14	7056505	639241	25	47	0.10	0.81	0.92	3.37	54.74	0.30	23.18	0.55	16.13	100.09	CP	Cr-diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	48	0.06	0.45	1.23	3.96	53.57	0.33	23.97	0.53	15.89	99.98	CP	Cr-diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	49	0.13	0.61	1.00	3.91	55.00	0.26	22.92	0.53	17.16	101.52	CP	Cr-diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	56	0.17	0.37	1.01	3.46	54.30	0.22	23.10	0.60	16.74	99.96	CP	Cr-diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	57	0.11	0.45	0.87	3.95	53.75	0.41	23.20	0.53	16.07	99.34	CP	Cr-diopside
76PL 4615	63 50	96 12	14	7080678	637648	25	59	0.06	0.31	1.09	3.64	53.16	0.24	23.25	0.59	17.73	100.06	CP	Cr-diopside
76PL 4617	63 51	96 12	14	7084023	637978	25	65	0.10	0.16	0.91	2.77	54.71	0.26	22.29	0.64	16.91	98.73	CP	Cr-diopside
76PL 4619	63 53	96 12	14	7087411	637824	25	68	0.15	0.26	1.08	4.02	54.64	0.36	23.19	0.58	17.21	101.49	CP	Cr-diopside
76PL 4650	63 36	96 11	14	7055648	639471	25	78	0.19	0.30	0.81	3.32	54.68	0.23	22.27	0.86	17.82	100.47	CP	Cr-diopside
76PL 4653	63 33	96 12	14	7050581	639409	25	84	0.11	0.29	1.15	4.05	54.75	0.27	22.46	0.59	16.41	100.09	CP	Cr-diopside
76PL 4653	63 33	96 12	14	7050581	639409	25	88	0.15	0.26	0.99	4.32	55.01	0.32	20.13	0.72	16.72	98.63	CP	Cr-diopside
76PL 4715	63 50	96 10	14	7081430	639698	25	92	0.10	0.26	0.90	3.46	54.33	0.20	22.61	0.56	17.71	100.12	CP	Cr-diopside
76PL 4715	63 50	96 10	14	7081430	639698	25	96	0.21	0.66	1.02	3.27	54.41	0.25	23.04	0.74	16.54	100.15	CP	Cr-diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	15	0.20	0.44	0.83	3.71	53.83	0.12	21.74	0.67	18.85	100.40	CP	Cr-diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	16	0.18	0.35	1.21	3.82	54.29	0.29	23.32	0.66	17.04	101.17	CP	Cr-diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	17	0.10	0.45	1.49	4.18	53.90	0.39	21.78	0.99	18.15	101.42	CP	Cr-diopside
76PL 4800	63 36	96 07	14	7056157	642747	26	19	0.20	0.26	0.87	3.23	54.76	0.23	23.32	0.73	17.67	101.26	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
76PL 4815	63 50	96 08	14	7081630	641108	26	20	0.09	0.42	0.92	3.56	54.05	0.26	22.69	0.60	16.89	99.48	CP	Cr-diopside
76PL 4816	63 51	96 08	14	7083383	641106	26	23	0.15	0.24	0.90	3.11	53.38	0.25	22.92	0.75	17.10	98.81	CP	Cr-diopside
76PL 4817	63 52	96 07	14	7084355	641766	26	25	0.07	0.30	0.41	2.72	54.28	0.26	23.24	0.56	17.14	98.99	CP	Cr-diopside
76PL 4818	63 53	96 07	14	7086336	641252	26	26	0.07	0.74	1.22	3.60	53.70	0.36	23.07	0.53	16.37	99.67	CP	Cr-diopside
76PL 4916	63 51	96 06	14	7082829	642795	26	49	0.10	0.23	0.49	2.89	54.63	0.24	22.46	0.56	18.01	99.63	CP	Cr-diopside
76PL 4916	63 51	96 06	14	7082829	642795	26	51	0.19	0.21	0.86	3.00	54.15	0.20	22.49	0.56	17.67	99.32	CP	Cr-diopside
76PL 4917	63 52	96 06	14	7084489	642591	26	55	0.19	0.30	1.04	2.91	53.67	0.21	22.82	0.60	17.42	99.16	CP	Cr-diopside
76PL 4919	63 53	96 06	14	7087665	642301	26	58	0.07	0.22	1.02	2.87	53.29	0.16	22.67	0.95	17.25	98.51	CP	Cr-diopside
76PL 4921	63 55	96 06	14	7090665	642204	26	60	0.15	0.37	0.46	3.07	54.56	0.30	21.89	0.65	17.97	99.41	CP	Cr-diopside
76PL 4950	63 36	96 06	14	7055291	643995	26	63	0.03	0.37	0.77	2.88	53.45	0.25	22.94	0.55	16.95	98.19	CP	Cr-diopside
76PL 4951	63 35	96 06	14	7053840	644144	26	65	0.48	0.10	14.62	24.49	0.04	0.24	0.01	51.25	7.81	99.05	SP	chromite
76PL 4953	63 33	96 06	14	7050640	644473	26	77	0.15	0.26	1.08	3.55	54.70	0.23	22.59	0.79	17.93	101.29	CP	Cr-diopside
76PL 5016	63 50	96 04	14	7082149	644574	26	81	0.14	0.24	0.60	2.74	55.08	0.25	23.65	0.52	17.83	101.03	CP	Cr-diopside
76PL 5016	63 50	96 04	14	7082149	644574	26	86	0.23	0.40	0.75	3.22	54.02	0.24	23.14	0.51	16.80	99.32	CP	Cr-diopside
76PL 5018	63 52	96 04	14	7085822	643894	26	89	0.30	0.30	1.11	4.59	54.30	0.28	20.91	0.68	18.25	100.72	CP	Cr-diopside
76PL 5021	63 55	96 04	14	7090532	643898	26	93	0.23	0.00	14.58	14.73	0.01	0.31	0.01	55.58	13.50	98.96	SP	chromite
76PL 5052	63 34	96 04	14	7052269	645976	27	2	0.06	0.41	1.10	3.26	54.33	0.19	22.17	0.89	17.49	99.90	CP	Cr-diopside
76PL 5053	63 33	96 04	14	7050797	645986	27	9	0.23	0.61	1.80	4.20	52.80	0.23	21.35	0.75	18.09	100.06	CP	Cr-diopside
76PL 5116	63 50	96 02	14	7082490	646046	27	22	0.16	0.22	0.87	3.52	54.50	0.23	22.87	0.55	17.39	100.31	CP	Cr-diopside
76PL 5116	63 50	96 02	14	7082490	646046	27	28	0.17	0.30	1.03	3.32	54.04	0.32	23.30	0.78	17.98	101.23	CP	Cr-diopside
76PL 5123	63 56	96 02	14	7093653	645441	27	38	0.23	0.11	0.89	3.45	54.31	0.18	23.14	0.92	17.29	100.51	CP	Cr-diopside
76PL 5150	63 36	96 02	14	7055568	647109	27	44	0.13	0.40	0.96	3.44	53.81	0.30	23.44	0.50	17.30	100.29	CP	Cr-diopside
76PL 5150	63 36	96 02	14	7055568	647109	27	45	0.10	0.35	0.62	3.06	53.97	0.18	23.51	0.50	17.86	100.14	CP	Cr-diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	49	0.07	0.43	1.08	3.50	54.58	0.30	22.74	0.79	17.77	101.26	CP	Cr-diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	50	0.17	0.19	0.99	3.33	54.12	0.27	23.26	0.54	16.40	99.28	CP	Cr-diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	66	0.14	0.19	0.92	3.32	53.64	0.18	22.93	0.51	17.58	99.41	CP	Cr-diopside
76PL 5151	63 35	96 02	14	7053473	647192	27	67	0.16	0.43	0.89	3.02	53.81	0.23	22.49	0.56	17.03	98.61	CP	Cr-diopside
76PL 5215	63 50	96 00	14	7081237	647401	27	70	0.07	0.20	0.59	2.72	55.49	0.27	23.99	0.61	17.02	100.97	CP	Cr-diopside
76PL 5217	63 51	96 00	14	7084408	647238	27	72	0.12	0.32	0.99	3.14	53.54	0.25	23.17	0.60	16.87	98.97	CP	Cr-diopside
76PL 5224	63 57	96 00	15	7095164	353047	27	75	0.09	0.68	0.81	2.76	54.38	0.23	23.42	0.85	15.71	98.92	CP	Cr-diopside
76PL 5253	63 33	95 59	15	7050176	351502	27	78	0.10	0.25	0.85	3.19	54.13	0.34	23.35	0.70	16.69	99.60	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
76PL 5253	63 33	95 59	15	7050176	351502	27	79	0.14	0.59	1.06	3.64	54.37	0.31	23.13	0.77	17.24	101.27	CP	Cr-diopside
76PL 5253	63 33	95 59	15	7050176	351502	27	80	0.14	0.43	1.22	3.65	55.11	0.22	21.63	0.76	17.41	100.58	CP	Cr-diopside
76PL 5314	63 49	95 58	15	7079577	354062	27	82	0.19	0.23	0.80	3.21	53.75	0.19	23.20	0.57	18.44	100.58	CP	Cr-diopside
76PL 5315	63 50	95 58	15	7081170	353789	27	84	0.07	0.64	1.10	3.51	53.06	0.29	23.36	0.53	16.81	99.38	CP	Cr-diopside
76PL 5351	63 35	95 58	15	7053973	352979	27	89	0.19	0.35	0.99	3.96	53.62	0.21	22.49	0.57	17.56	99.93	CP	Cr-diopside
76PL 5421	63 55	95 55	15	7090876	356585	27	96	0.10	0.64	0.90	3.03	53.87	0.14	22.41	0.71	17.07	98.89	CP	Cr-diopside
76PL 5650	63 36	95 52	15	7055207	357650	28	4	0.13	1.11	1.62	3.30	54.00	0.22	21.44	0.59	16.77	99.19	CP	Cr-diopside
76PL 5721	63 55	95 50	15	7089917	360643	28	11	0.38	0.00	11.95	35.81	0.00	0.35	0.03	48.58	1.35	98.45	SP	chromite
76PL 5752	63 34	95 50	15	7051832	358991	28	14	0.20	0.21	1.35	3.28	55.29	0.23	22.03	0.59	17.60	100.79	CP	Cr-diopside
76PL 5752	63 34	95 50	15	7051832	358991	28	15	0.18	0.41	0.77	3.30	55.08	0.35	23.33	0.54	16.70	100.66	CP	Cr-diopside
76PL 5753	63 33	95 50	15	7050249	359201	28	16	0.17	0.32	0.94	3.62	55.51	0.32	22.16	0.58	17.70	101.32	CP	Cr-diopside
76PL 5852	63 34	95 49	15	7051576	360343	28	28	0.23	0.40	0.89	3.46	53.41	0.29	22.58	0.52	18.45	100.24	CP	Cr-diopside
76PL 5853	63 33	95 48	15	7050470	361088	28	29	0.11	0.36	0.87	3.08	53.84	0.16	21.81	0.55	18.66	99.44	CP	Cr-diopside
76PL 5918	63 52	95 46	15	7085148	364207	28	30	0.23	0.39	0.80	3.42	54.64	0.31	23.48	0.54	16.61	100.42	CP	Cr-diopside
76PL 7424	63 58	95 17	15	7094393	388367	28	36	0.18	0.39	0.88	3.54	54.65	0.16	21.44	0.56	17.30	99.10	CP	Cr-diopside
76PL 7620	63 54	95 13	15	7087729	390887	28	43	0.22	0.49	1.20	3.98	55.38	0.18	21.33	0.80	17.58	101.15	CP	Cr-diopside
76PL 7903	63 40	95 07	15	7060661	395201	28	58	0.14	0.29	1.04	4.90	53.98	0.36	22.25	0.52	16.24	99.72	CP	Cr-diopside
76PL 7903	63 40	95 07	15	7060661	395201	28	59	0.13	0.45	1.04	3.23	53.64	0.19	21.85	0.70	17.66	98.90	CP	Cr-diopside
76PL 7903	63 40	95 07	15	7060661	395201	28	60	0.14	0.98	1.16	3.83	55.95	0.18	21.85	0.50	15.95	100.54	CP	Cr-diopside
76PL 7922	63 56	95 08	15	7091638	395355	28	66	0.11	0.15	0.84	2.78	55.01	0.19	23.67	0.59	16.21	99.55	CP	Cr-diopside
76PL 8002	63 39	95 05	15	7058738	396529	28	70	0.06	0.42	1.40	4.45	53.93	0.36	22.42	0.68	16.67	100.39	CP	Cr-diopside
76PL 8004	63 40	95 05	15	7062029	396562	28	71	0.22	0.49	1.39	3.40	53.71	0.30	21.16	1.21	18.06	99.95	CP	Cr-diopside
76PL 8023	63 56	95 05	15	7091882	398048	28	74	0.09	0.22	1.08	3.09	53.70	0.32	23.46	0.83	16.67	99.45	CP	Cr-diopside
76PL 8402	63 39	94 58	15	7058572	402684	29	31	0.13	0.39	0.83	2.93	54.63	0.17	22.47	0.76	17.78	100.08	CP	Cr-diopside
76PL 8520	63 54	94 55	15	7086925	405839	29	46	0.04	0.77	3.35	4.08	53.12	0.53	19.41	1.02	17.99	100.32	CP	Cr-diopside
76PL 8522	63 56	94 55	15	7090631	405869	29	54	0.21	0.63	0.95	4.05	53.40	0.28	22.96	0.55	16.75	99.78	CP	Cr-diopside
76PL 8604	63 41	94 54	15	7062153	406101	29	82	0.26	0.69	1.32	4.72	54.58	0.13	22.34	0.79	15.26	100.09	CP	Cr-diopside
76PL 8827	64 00	94 49	15	7098236	411243	30	34	0.12	1.11	1.24	3.08	53.73	0.20	21.04	1.73	16.77	99.02	CP	Cr-diopside
76PL 8902	63 39	94 49	15	7058546	410428	30	35	0.20	0.53	1.65	3.82	54.68	0.16	20.89	0.89	17.22	100.03	CP	Cr-diopside
76PL 9003	63 40	94 46	15	7060329	412883	30	57	0.14	0.47	1.29	3.77	54.57	0.23	21.97	1.00	16.68	100.13	CP	Cr-diopside
76PL 9107	63 43	94 44	15	7066532	414321	30	76	0.09	0.43	0.97	3.00	55.42	0.23	22.54	0.67	16.35	99.70	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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																					Original Sample Number
75KY 0001	63 49	97 04	14	7077671	594827	30	80	0.15	0.45	1.00	3.13	54.41	0.22	22.90	0.65	17.84	100.75	CP	Cr-diopside	7501 1914	
75KY 0001	63 49	97 04	14	7077671	594827	30	82	0.25	0.40	1.09	3.77	53.52	0.27	23.65	0.63	16.47	100.06	CP	Cr-diopside	7501 1914	
75KY 0004	63 49	96 53	14	7078300	604300	30	84	0.11	0.14	1.44	3.56	53.83	0.25	22.55	0.52	17.18	99.59	CP	Cr-diopside	7501 2514	
75KY 0005	63 48	96 47	14	7076920	609215	30	89	0.24	0.30	0.88	3.57	53.92	0.25	23.37	0.54	17.05	100.12	CP	Cr-diopside	7501 2813	
75KY 0007	63 42	96 43	14	7065506	612950	33	2	0.14	0.52	0.78	2.77	54.94	0.13	22.66	0.64	16.37	98.95	CP	Cr-diopside	7501 3006	
75KY 0008	63 45	96 44	14	7071799	612088	31	4	0.20	0.44	1.04	3.80	53.19	0.30	23.56	0.51	16.68	99.70	CP	Cr-diopside	7501 3010	
75KY 0010	63 45	96 41	14	7071929	614118	31	8	0.21	0.23	0.74	3.29	53.11	0.22	22.72	0.50	17.12	98.14	CP	Cr-diopside	7501 3110	
75KY 0013	63 47	96 39	14	7075372	615816	31	13	0.03	0.35	1.10	3.17	54.31	0.15	22.53	0.75	17.35	99.75	CP	Cr-diopside	7501 3212	
75KY 0014	63 45	96 36	14	7072027	618120	31	16	0.08	0.29	0.61	2.85	54.93	0.16	23.93	0.60	17.32	100.76	CP	Cr-diopside	7501 3310	
75KY 0021	63 40	96 27	14	7062811	626157	31	23	0.12	0.49	0.94	3.29	54.64	0.25	23.57	0.70	17.31	101.30	CP	Cr-diopside	7501 3804	
75KY 0028	63 43	96 16	14	7067720	635349	31	35	0.15	0.46	1.16	3.41	54.41	0.32	23.55	0.65	15.46	99.56	CP	Cr-diopside	7501 4407	
75KY 0029	63 36	96 15	14	7055118	636298	31	41	0.11	0.43	0.73	3.48	54.51	0.28	22.81	0.61	16.69	99.65	CP	Cr-diopside	7501 4450	
75KY 0030	63 51	96 14	14	7082912	635759	31	43	0.17	0.43	0.68	3.35	53.57	0.37	22.94	0.63	16.43	98.57	CP	Cr-diopside	7501 4516	
75KY 0030	63 51	96 14	14	7082912	635759	33	4	0.11	0.24	0.59	2.68	55.72	0.14	22.78	0.60	17.14	100.01	CP	Cr-diopside	7501 4516	
75KY 0031	63 39	96 12	14	7060981	638762	31	46	0.09	0.34	1.11	3.74	54.49	0.31	22.34	0.66	16.57	99.65	CP	Cr-diopside	7501 4602	
75KY 0031	63 39	96 12	14	7060981	638762	31	49	0.18	0.60	0.98	3.24	54.78	0.15	22.76	0.77	17.69	101.15	CP	Cr-diopside	7501 4602	
75KY 0038	63 46	95 56	15	7074648	355288	31	68	0.20	0.30	0.98	3.47	53.09	0.34	23.11	0.78	17.93	100.19	CP	Cr-diopside	7501 5411	
75KY 0038	63 46	95 56	15	7074648	355288	31	69	0.08	0.33	1.15	3.77	52.26	0.29	23.22	0.78	17.18	99.07	CP	Cr-diopside	7501 5411	
75KY 0040	63 38	95 50	15	7059831	359746	31	70	0.25	0.31	0.90	3.44	54.12	0.22	21.48	0.72	17.96	99.40	CP	Cr-diopside	7501 5702	
75KY 0044	63 39	95 35	15	7061307	372286	31	79	0.05	0.32	0.97	3.35	54.23	0.37	23.52	0.62	17.02	100.46	CP	Cr-diopside	7501 6503	
75KY 0044	63 39	95 35	15	7061307	372286	31	80	0.14	0.29	0.91	2.76	54.30	0.23	23.47	0.74	17.11	99.95	CP	Cr-diopside	7501 6503	
76KY 0008	63 46	96 58	14	7071753	600264	32	8	0.09	0.51	0.86	3.75	53.35	0.32	23.20	0.60	17.16	99.84	CP	Cr-diopside	76PL 2210	
76KY 0008	63 46	96 58	14	7071753	600264	32	9	0.15	0.24	1.06	2.94	54.15	0.16	23.24	0.59	17.00	99.55	CP	Cr-diopside	76PL 2210	
76KY 0008	63 46	96 58	14	7071753	600264	32	11	0.09	0.43	0.64	3.20	54.52	0.23	23.60	0.57	17.93	101.22	CP	Cr-diopside	76PL 2210	
76KY 0008	63 46	96 58	14	7071753	600264	32	12	0.17	0.29	0.94	3.60	53.30	0.34	23.12	0.65	17.18	99.60	CP	Cr-diopside	76PL 2210	
76KY 0008	63 46	96 58	14	7071753	600264	32	13	0.18	0.37	1.48	3.95	54.02	0.17	21.23	0.87	17.48	99.76	CP	Cr-diopside	76PL 2210	
76KY 0010	63 41	96 51	14	7063879	606266	32	21	0.11	0.54	1.43	3.38	53.18	0.15	22.23	0.71	17.94	99.66	CP	Cr-diopside	76PL 2505	
76KY 0015	63 56	96 30	14	7091017	622929	32	34	0.20	0.53	1.28	4.03	52.09	0.36	23.28	0.56	16.55	98.88	CP	Cr-diopside	76PL 3722	
76KY 0016	63 58	96 22	14	7096403	628764	31	29	0.14	0.66	0.92	3.91	53.02	0.31	23.47	0.51	16.46	99.40	CP	Cr-diopside	76PL 4125	

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table A3. Summary of Kimberlitic Indicator Minerals - Baker Lake Area

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														
76KY 0017	63 52	96 17	14	7085300	633400	32	38	0.15	0.68	1.09	3.60	53.67	0.34	23.28	0.50	17.52	100.82	CP	Cr-diopside 76PL 4318

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

1. "Diamond inclusion" composition

Table B1. Sample Location and Visual Identification - Northern Baffin Island

Sample number	Depth	Lat	Long	UTM			Map	Weight (g)				Indicator heavy minerals (+0.25mm)								Remarks
				Zone	North	East		Total Sample	0.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%		
88 DCA 0021	20	72 21	89 24	16	8055100	411100	58A	350	41.3	41.3	0.05	0	0	0	0	0	0	0	No grains	
88 DCA 0039	20	72 18	89 22	16	8047800	412500	58A	454	50	50.0	0.02	0	0	0	0	0	0	0		
88 DCA 0042	30	72 21	89 24	16	8057100	411200	58A	957	78	77.9	0.10	0	0	0	0	0	0	0		
88 DCA 0043	20	72 21	89 22	16	8056100	412800	58A	876	41.9	41.9	0.05	0	0	0	0	0	0	0		
88 DCA 0050	20	72 03	89 3	16	7999700	403100	58A	786	134.5	133.7	0.82	0	0	0	0	0	0	0		
88 DCA 0058	30	72 01	89 31	16	7994700	401300	58A	633	46.6	46.5	0.06	0	0	0	0	0	0	0		
88 DCA 0070	20	72 02	89 25	16	7996200	407200	58A	553	40	40.0	0.04	0	0	0	0	1	0	0		
88 DCA 0071	20	72 01	89 25	16	7995000	407200	58A	458	33.6	33.6	0.00									
88 DCA 0072	20	72 02	89 22	16	7995800	410300	58A	315	22	22.0	0.00	0	0	0	0	0	0	0	No grains	
88 DCA 0073	20	72 03	89 21	16	7998600	411400	58A	377	36.6	36.6	0.02	0	0	0	0	0	0	0		
88 DCA 0074	20	72 03	89 23	16	8000800	409300	58A	718	50.5	50.5	0.00									
88 DCA 0075	20	72 03	89 26	16	8000500	406800	58A	339	23.8	23.8	0.00	0	0	0	0	0	0	0		
88 DCA 0117	20	72 27	86 29	16	8073100	506600	48B	439	96.5	96.3	0.22	0	0	0	0	0	0	0		
88 DCA 0118	20	72 27	86 27	16	8073400	508100	48B	443	136.5	136.3	0.18	0	0	0	0	0	0	0		
88 DCA 0119	20	72 28	86 31	16	8074100	504200	48B	758	173.1	172.6	0.49	0	0	0	0	0	0	0		
88 DCA 0120	20	72 27	87 01	16	8073800	499300	48B	448	108.4	108.2	0.23	0	0	0	0	0	0	0		
88 DCA 0121	20	72 28	87 03	16	8074600	497600	48B	699	124.1	123.8	0.35	0	0	0	0	0	0	0		
89 DCA 0002	20	74 32	97 24	14	8271400	547600	68E	656	55.6	55.3	0.26	0	0	0	0	0	0	0		
89 DCA 0003	20	74 33	97 24	14	8273600	547800	68E	277	25.5	25.5	0.02	0	0	0	0	0	0	0		
89 DCA 0004	20	74 37	97 19	14	8281700	549700	68E	354	33.2	33.1	0.12	0	0	0	0	0	0	0		
89 DCA 0012	20	74 37	97 24	14	8281100	547200	68E	407	74.4	74.3	0.14	0	0	0	0	0	0	0		
89 DCA 0032	20	73 28	87 06	16	8188200	495000	48C	310	18.9	18.9	0.02	0	0	0	0	0	0	0		
89 DCA 0033	20	73 28	87 03	16	8186200	497300	48C	645	79	78.9	0.07	0	0	0	0	0	0	0		
89 DCA 0034	20	73 28	87 02	16	8185700	498200	48C	421	49.7	49.7	0.03	0	0	0	0	0	0	0		
89 DCA 0035	20	73 27	87.00	16	8184300	499700	48C	382	22.1	22.1	0.00								No grains	
89 DCA 0036	20	73 26	87 01	16	8182000	499100	48C	376	33.1	33.0	0.07	0	0	0	0	0	0	0		
89 DCA 0073	20	71 32	86 1	16	7975200	525300	47G	210	46.1	45.9	0.16	0	0	0	0	0	0	0		
89 DCA 0074	20	71 31	86 09	16	7973600	525800	47G	404	103.5	102.8	0.69	0	0	0	0	0	0	0		
89 DCA 0075	20	71 3	86 08	16	7971600	527400	47G	504	106.6	106.0	0.58	0	0	0	0	0	0	0		

PYR - Pyrope garnet ECL - Eclogitic garnet IL - Ilmenite CHR - Chromite

CD - Cr-diopside OTH - Other OL - Olivine

* Specific Gravity ≥ 2.96

Table B1. Sample Location and Visual Identification - Northern Baffin Island

Sample number	Depth	Lat	Long	UTM			Map	Weight (g)				Indicator heavy minerals (+0.25mm)								Remarks
				Zone	North	East		Total Sample	0.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%		
89 DCA 0076	20	71 3	86 07	16	7969700	527900	47G	460	134.3	133.6	0.72	0	0	0	0	0	0	0	CD - good	
89 DCA 0077	20	71 28	86 07	16	7962700	528400	47G	428	164.3	163.2	1.13	0	0	0	0	0	0	0		
89 DCA 0078	20	71 28	86 06	16	7963500	529000	47G	369	102.2	100.7	1.51	0	0	0	0	0	0	0		
89 DCA 0082	20	71 31	86 12	16	7971900	523600	47G	441	100.9	99.9	1.00	0	0	0	0	1	0	0		
89 DCA 0084	20	71 3	86 14	16	7971300	521400	47G	415	114.5	113.9	0.59	0	0	0	0	0	0	0		
89 DCA 0085	20	71 3	86 14	16	7968900	521100	47G	530	100.5	100.0	0.54	0	0	0	0	0	0	0		
89 DCA 0086	20	71 28	86 14	16	7964500	521500	47G	575	188.8	187.8	0.98	0	0	0	0	0	0	0		
89 DCA 0087	20	71 28	86 11	16	7964800	524200	47G	177	55.4	54.9	0.54	0	0	0	0	0	0	0	CD - good	
89 DCA 0099	20	71 27	86 06	16	7961600	529100	47G	478	145.6	144.7	0.93	0	0	0	0	0	0	0		
89 DCA 0100	20	71 27	86 05	16	7959800	529700	47G	302	82.1	81.4	0.68	0	0	0	0	1	0	0		
89 DCA 0101	20	71 25	86 05	16	7955400	530200	47G	329	91.7	91.4	0.35	0	0	0	0	0	0	0		
89 DCA 0102	20	71 25	86 03	16	7955400	532600	47G	482	129.8	126.7	3.14	0	0	0	0	0	0	0		
89 DCA 0103	20	71 26	86 05	16	7957800	530100	47G	325	100.9	99.7	1.22	0	0	0	0	0	0	0		
89 DCA 0104	20	71 26	86 03	16	7958500	532000	47G	469	146.5	144.2	2.27	0	0	0	0	0	0	0		
89 DCA 0105	20	71 27	86 02	16	7959800	533300	47G	335	100.6	99.2	1.42	0	0	0	0	0	0	0		
89 DCA 0106	20	71 33	86 11	16	7978600	524300	47G	458	75.9	75.2	0.70	0	0	0	0	0	0	0		
89 DCA 0107	10	71 32	86 1	16	7977600	525000	47G	495	57.1	56.9	0.20	0	0	0	0	0	0	0		
89 DCA 0112	10	71 28	86 13	16	7963400	522700	47G	531	133.7	131.9	1.79	0	0	0	0	0	0	0		
89 DCA 0113	10	71 28	86 16	16	7963000	519300	47G	467	114.3	113.4	0.92	0	0	0	0	0	0	0		
89 DCA 0114	20	71 27	86 18	16	7959800	517400	47G	613	133.2	132.2	0.96	0	0	0	0	0	0	0		
89 DCA 0115	15	71 25	86 19	16	7956100	516100	47G	590	53	53.0	0.05	0	0	0	0	0	0	0		
89 DCA 0116	10	71 25	86 14	16	7953800	521700	47G	386	30.8	30.8	0.05	0	0	0	0	0	0	0		
89 DCA 0117	10	71 25	86 11	16	7953400	524800	47G	395	50	49.9	0.07	0	0	0	0	0	0	0		
89 DCA 0118	10	71 25	86 07	16	7953600	527900	47G	475	54.1	53.8	0.34	0	0	0	0	0	0	0		
89 DCA 0151	20	72 08	86 16	16	8013900	519000	48B	502	81.9	81.7	0.22	0	0	0	0	0	0	0		
89 DCA 0152	10	72 08	86 2	16	8012800	515600	48B	661	100.7	100.4	0.31	0	0	0	0	0	0	0		
89 DCA 0153	20	72 09	86 19	16	8015400	516300	48B	625	73.1	72.7	0.40	0	0	0	0	0	0	0		
89 DCA 0154	20	72 05	86 15	16	8004700	519500	48B	447	98	97.7	0.27	0	0	0	0	0	0	0		
89 DCA 0155	20	72 05	86 16	16	8003000	518900	48B	377	76.8	76.7	0.10	0	0	0	0	0	0	0		
89 DCA 0156	10	72 04	86 17	16	8001000	518000	48B	606	89	88.9	0.08	0	0	0	0	0	0	0		

PYR - Pyrope garnet ECL - Eclogitic garnet IL - Ilmenite CHR - Chromite

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* Specific Gravity ≥ 2.96

Table B1. Sample Location and Visual Identification - Northern Baffin Island

Sample number	Depth	Lat	Long	UTM			Map	Weight (g)				Indicator heavy minerals (+0.25mm)								Remarks
				Zone	North	East		Total Sample	0.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%		
89 DCA 0157	20	72 03	86 17	16	7998700	518400	48B	579	75.3	75.2	0.13	0	0	0	0	0	0	0		
89 DCA 0158	20	72 05	86 19	16	8003100	516200	48B	493	54.1	53.9	0.20	0	0	0	0	0	0	0		
89 DCA 0159	20	72 06	86 17	16	8008200	518200	48B	629	95.7	95.2	0.48	0	0	0	0	0	0	0		
89 DCA 0194	20	72 15	86 13	16	8036600	521800	48B	488	132.8	132.8	0.01	0	0	0	0	0	0	0		
89 DCA 0195	20	72 15	86 15	16	8035200	519600	48B	524	87.7	87.7	0.01	0	0	0	0	0	0	0		
89 DCA 0196	20	72 15	86 18	16	8034300	516800	48B	664	195.3	195.3	0.02	0	0	0	0	0	0	0		
89 DCA 0197	20	72 16	86 19	16	8037800	515500	48B	472	62.3	62.2	0.07	0	0	0	0	0	0	0		
89 DCA 0198	20	72 17	86 2	16	8041000	514900	48B	706	91.4	91.3	0.11	0	0	0	0	0	0	0		
89 DCA 0199	20	72 18	86 18	16	8043700	516600	48B	791	76.7	76.7	0.01	0	0	0	0	0	0	0		
89 DCA 0200	20	72 19	86 15	16	8046500	519900	48B	461	141.7	141.7	0.02	0	0	0	0	0	0	0		
89 DCA 0201	20	72 17	86 13	16	8042300	521500	48B	587	303.8	303.8	0.01	0	0	0	0	0	0	0		
89 DCA 0202	20	72 17	86 13	16	8040200	521300	48B	614	186	186.0	0.02	0	0	0	0	0	0	0		
89 DCA 0209	20	72 14	86 12	16	8033700	522600	48B	891	83.9	83.9	0.03	0	0	0	0	0	0	0		
89 DCA 0210	20	72 14	86 12	16	8031600	522300	48B	532	74.7	74.7	0.02	0	0	0	0	0	0	0		
89 DCA 0211	20	72 13	86 13	16	8029000	521400	48B	301	38.9	38.9	0.04	0	0	0	0	0	0	0		
89 DCA 0212	10	72 12	86 15	16	8024500	519400	48B	470	105.4	105.2	0.17	0	0	0	0	0	0	0		
89 DCA 0213	20	72 12	86 17	16	8027200	518200	48B	606	82	82.0	0.03	0	0	0	0	0	0	0		
89 DCA 0214	20	72 13	86 17	16	8030000	517500	48B	776	228.3	228.2	0.12	0	0	0	0	0	0	0		
89 DCA 0215	10	72 13	86 19	16	8030400	515800	48B	471	40.7	40.6	0.09	0	0	0	0	0	0	0		
89 DCA 0216	10	72 14	86 16	16	8032600	519200	48B	573	118.5	118.4	0.12	0	0	0	0	0	0	0		
89 DCA 0230	20	72 26	85 12	16	8070800	555000	48C	483	33.1	33.1	0.00	0	0	0	0	0	0	0		
89 DCA 0231	20	72 26	85 13	16	8069600	554000	48C	358	43.3	43.3	0.01	0	0	0	0	0	0	0		
89 DCA 0232	20	73 23	85 08	16	8171400	555500	48C	525	43.2	43.2	0.03	0	0	0	0	0	0	0		
89 DCA 0233	20	73 23	85 07	16	8171800	557200	48C	579	78.2	78.1	0.06	0	0	0	0	0	0	0		
89 DCA 0403	20	70 14	87 36	16	7809800	463000	47F	516	25.8	25.6	0.24	0	0	0	0	0	0	0		
89 DCA 0404	20	70 15	87 35	16	7813800	463600	47F	495	48.9	48.5	0.41	0	0	0	0	0	0	0		
89 DCA 0406	20	70 15	88 06	16	7813200	456600	57E	615	144.6	144.0	0.57	0	0	0	0	0	0	0		
89 DCA 0409	20	70 13	87 31	16	7806500	468200	47F	694	92.7	92.2	0.48	0	0	0	0	0	0	0		
89 DCA 0410	20	70 13	87 27	16	7807600	471500	47F	885	89.4	89.4	0.04	0	0	0	0	0	0	0		
89 DCA 0411	20	70 15	87 33	16	7811500	465800	47F	709	95.8	95.4	0.38	0	0	0	0	0	0	0		

PYR - Pyrope garnet ECL - Eclogitic garnet IL - Ilmenite CHR - Chromite

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* Specific Gravity ≥ 2.96

Table B1. Sample Location and Visual Identification - Northern Baffin Island

Sample number	Depth	Lat	Long	UTM			Map	Weight (g)				Indicator heavy minerals (+0.25mm)								Remarks
				Zone	North	East		Total Sample	0.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%		
89 DCA 0412	20	70 16	87 33	16	7817000	465600	47F	515	80.4	80.1	0.33	0	0	0	0	0	0	0		
89 DCA 0414	20	70 18	87 32	16	7821900	466400	47F	983	146.5	146.0	0.51	0	0	0	0	0	0	0		
89 DCA 0415	20	70 19	87 36	16	7824500	463300	47F	754	100.9	99.5	1.36	0	0	0	0	0	0	0		
89 DCA 0417	20	70 2	87 36	16	7826700	463100	47F	1041	130.8	130.6	0.20	0	0	0	0	0	0	0		
89 DCA 0420	20	70 17	88 16	16	7817600	446200	57E	866	206.9	206.6	0.26	0	0	0	0	0	0	0		
89 DCA 0422	20	70 16	88 1	16	7817200	452000	57E	848	155.4	153.9	1.46	0	0	1	1	0	0	0		
89 DCA 0425	20	70 29	85 03	16	7855500	569900	47F	953	153.1	152.8	0.27	0	0	0	0	0	0	0		
89 DCA 0426	20	70 28	85 05	16	7852900	568300	47F	756	183.3	182.2	1.08	0	0	0	0	1	0	0		
89 DCA 0427	20	70 27	85 08	16	7851700	565700	47F	596	29.6	27.9	1.67	0	0	0	0	0	0	0		
89 DCA 0431	20	70 33	84 36	16	7867700	573100	47F	331	69.1	68.9	0.20	0	0	0	0	0	0	0		
89 DCA 0436	20	70 32	85 03	16	7865600	570400	47F	884	197.1	196.6	0.50	0	0	0	0	0	0	0		
89 DCA 0437	20	70 33	85 08	16	7868400	564600	47F	1019	248.1	248.1	0.05	0	0	0	0	0	0	0		
89 DCA 0438	20	70 33	85 11	16	7868200	562300	47F	757	127.6	127.5	0.09	0	0	0	0	0	0	0		
89 DCA 0439	20	70 33	85 15	16	7868600	558000	47F	389	43.8	43.8	0.04	0	0	0	0	0	0	0		
89 DCA 0440	20	70 33	85 14	16	7870100	558500	47F	806	202	201.8	0.16	0	0	0	0	0	0	0		
89 DCA 0441	20	70 34	85 11	16	7870900	561900	47F	783	219.7	219.5	0.24	0	0	0	0	0	0	0		
89 DCA 0447	20	70 32	85 23	16	7864700	549600	47F	895	93	92.9	0.07	0	0	0	0	0	0	0		
89 DCA 0448	20	70 31	85 16	16	7862600	557300	47F	828	114.2	114.1	0.15	0	0	0	0	0	0	0		
89 DCA 0454	20	70 31	85 07	16	7862800	566100	47F	709	69.5	69.4	0.14	0	0	0	0	0	0	0		
89 DCA 0455	20	70 29	85 08	16	7857800	564800	47F	891	316.6	315.5	1.08	0	0	0	0	1	0	0		
89 DCA 0456	20	70 29	85 13	16	7856300	560100	47F	760	106.9	106.4	0.49	0	0	0	0	0	0	0		
89 DCA 0457	20	70 29	85 17	16	7856300	556400	47F	753	152.5	151.9	0.64	0	0	0	0	0	0	0		
89 DCA 0458	20	70 3	85 12	16	7860900	561200	47F	899	138.6	138.2	0.42	0	0	0	0	0	0	0		
89 DCA 0462	20	71 04	85 19	16	7891800	553000	47G	508	56.9	56.7	0.24	0	0	0	0	0	0	0		
89 DCA 0463	20	71 06	85 17	16	7896000	554900	47G	913	198.8	196.2	2.60	0	0	0	0	0	0	0		
89 DCA 0471	20	71 04	85 28	16	7891000	544400	47G	771	123.3	122.2	1.15	0	0	0	0	0	0	0		
89 DCA 0473	20	71 05	85 27	16	7892100	545400	47G	335	32.9	32.9	0.01	0	0	0	0	0	0	0		
89 DCA 0474	20	71 04	85 28	16	7889900	544200	47G	632	127.2	116.9	10.28	0	0	1	0	1	0	0		
89 DCA 0475	20	71 03	85 27	16	7886200	545700	47G	458	46.5	45.7	0.78	0	0	0	0	0	0	0		
89 DCA 0476	20	71 04	85 25	16	7890200	547600	47G	850	171.9	167.6	4.28	0	0	0	0	0	0	0		

PYR - Pyrope garnet ECL - Eclogitic garnet IL - Ilmenite CHR - Chromite

CD - Cr-diopside OTH - Other OL - Olivine

* Specific Gravity ≥ 2.96

Table B1. Sample Location and Visual Identification - Northern Baffin Island

Sample number	Depth	Lat	Long	UTM			Map	Weight (g)				Indicator heavy minerals (+0.25mm)								Remarks
				Zone	North	East		Total Sample	0.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%		
89 DCA 0483	20	71 04	85 2	16	7888800	552100	47G	609	137.7	135.8	1.92	0	0	0	0	0	0	0	CD - very good	
89 DCA 0484	20	71 04	85 16	16	7889600	556000	47G	473	44.2	44.1	0.11	0	0	0	0	0	0	0		
89 DCA 0486	20	71 04	85 13	16	7891700	559500	47G	577	106.6	104.4	2.17	0	0	0	0	0	0	0		
89 DCA 0487	20	71 03	85 09	16	7888700	563000	47G	380	53.7	53.3	0.39	0	0	0	0	0	0	0		
89 DCA 0488	20	71 03	85 12	16	7888200	560200	47G	741	169.7	167.7	1.96	0	0	0	0	0	0	0		
89 DCA 0489	20	71 04	85 21	16	7891000	550900	47G	727	174.4	168.2	6.24	0	0	0	1	0	0	0		
89 DCA 0490	20	71 04	85 21	16	7890400	551200	47G	462	62.6	62.3	0.30	0	0	0	0	0	0	0		
89 DCA 0491	20	71 03	85 22	16	7888400	550100	47G	681	93.3	92.6	0.66	0	0	0	0	0	0	0		
89 DCA 0492	20	71 03	85 22	16	7886100	550500	47G	587	132.1	131.2	0.93	0	0	0	0	0	0	0		
89 DCA 0493	20	71 01	85 22	16	7882100	550000	47G	718	89.9	88.5	1.44	0	0	0	0	0	0	0		
89 DCA 0494	20	71 02	85 24	16	7882700	548400	47G	558	159.3	157.4	1.95	0	0	0	0	1	0	0		
89 DCA 0495	20	71 02	85 24	16	7884600	547900	47G	774	171.7	169.9	1.78	0	0	0	0	0	0	0		
89 DCA 0496	20	71 03	85 27	16	7887200	545700	47G	740	250.5	248.7	1.78	0	0	0	0	0	0	0		
89 DCA 0508	20	70 34	86 1	16	7869700	526800	47F	723	154.6	152.9	1.69	0	0	0	0	0	0	0		
89 DCA 0509	20	70 34	86 13	16	7871300	523600	47F	663	161.6	160.4	1.17	0	0	0	0	0	0	0		
89 DCA 0516	20	70 34	86 15	16	7869700	521100	47F	730	155.3	154.7	0.62	0	0	0	0	0	0	0		
89 DCA 0517	20	70 34	86 19	16	7869600	517400	47F	374	120.3	119.7	0.59	0	0	0	0	0	0	0		
89 DCA 0522	20	70 34	86 06	16	7872700	530000	47F	941	158.3	157.4	0.95	0	0	0	0	0	0	0		
89 DCA 0523	20	70 35	86 02	16	7873500	534400	47F	730	169.3	168.0	1.33	0	0	0	0	0	0	0		
89 DCA 0524	20	70 32	86 11	16	7865900	525600	47F	756	97.3	97.2	0.12	0	0	0	0	0	0	0		
89 DCA 0525	20	70 32	86 15	16	7865400	521600	47F	743	144.3	144.1	0.21	0	0	0	0	0	0	0		
89 DCA 0527	20	70 32	86 18	16	7864800	518400	47F	1229	292.4	292.2	0.19	0	0	0	0	0	0	0		
89 DCA 0528	20	70 31	86 16	16	7861900	520300	47F	658	129	128.8	0.18	0	0	0	0	0	0	0		
89 DCA 0529	20	70 32	86 11	16	7863500	525400	47F	687	91.7	91.6	0.13	0	0	0	0	0	0	0		
90 DCA 0003	20	74 2	95 2	15	8274800	423800	58F	470	38.3	38.3	0.02	0	0	0	0	0	0	0	No grains	
90 DCA 0004	20	74 19	95 21	15	8273300	423500	58F	438	57.8	57.8	0.00									
90 DCA 0007	20	74 22	95 23	15	8283300	421900	58F	282	22.2	22.2	0.00									
90 DCA 0009	20	74 2	95 17	15	8275700	426200	58F	184	15.8	15.8	0.00									
90 DCA 0010	20	74 22	95 18	15	8281700	426100	58F	232	31.9	31.8	0.05	0	0	0	0	0	0	0		

PYR - Pyrope garnet ECL - Eclogitic garnet IL - Ilmenite CHR - Chromite

CD - Cr-diopside OTH - Other OL - Olivine

* Specific Gravity ≥ 2.96

Table B1. Sample Location and Visual Identification - Northern Baffin Island

Sample number	Depth	Lat	Long	UTM			Map	Weight (g)				Indicator heavy minerals (+0.25mm)								Remarks
				Zone	North	East		Total Sample	0.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%		
90 DCA 0023	30	73 25	82 29	17	8179800	443500	48D	332	143.5	143.2	0.28	0	0	0	0	1	0	0	CD - very good	
90 DCA 0024	15	73 25	82 29	17	8178400	443800	48D	321	64.2	63.8	0.39	0	0	0	0	0	0	0		
90 DCA 0025	20	73 24	82 29	17	8176600	443200	48D	354	92.8	92.3	0.50	0	0	0	0	0	0	0		
90 DCA 0026	20	73 23	82 29	17	8173600	443500	48D	584	120.1	119.6	0.51	0	0	0	0	0	0	0		
90 DCA 0027	20	73 23	82 28	17	8171100	444200	48D	571	78.7	78.6	0.14	0	0	0	0	0	0	0		
90 DCA 0028	20	73 22	82 29	17	8169000	443500	48D	717	156.3	156.0	0.30	0	0	0	0	0	0	0		
90 DCA 0029	20	73 21	82 28	17	8165200	444300	48D	541	180.7	180.4	0.35	0	0	0	0	0	0	0		
90 DCA 0030	20	73 21	82 3	17	8167700	442400	48D	646	308.7	308.6	0.12	0	0	0	0	0	0	0		
90 DCA 0031	20	73 22	82 32	17	8169200	440500	48D	489	114.2	114.1	0.09	0	0	0	0	0	0	0		
90 DCA 0032	20	73 23	82 34	17	8171800	439200	48D	646	147.6	147.4	0.16	0	0	0	0	0	0	0		
90 DCA 0087	20	71 18	84 17	16	7934400	589200	47G	887	316.7	315.4	1.30	0	0	0	0	0	0	0		
90 DCA 0088	20	71 18	84 15	16	7933800	591900	47G	484	155.4	154.9	0.54	0	0	0	0	0	0	0		
90 DCA 0089	20	71 17	84 13	16	7932200	594000	47G	1017	330.6	329.1	1.53	0	0	0	0	0	0	0		
90 DCA 0090	20	71 16	84 15	16	7929200	592000	47G	1641	563	561.6	1.44	0	0	0	0	0	0	0		
90 DCA 0091	20	71 16	84 17	16	7930100	589800	47G	1032	391.9	387.7	4.23	0	0	0	0	0	0	0		
90 DCA 0092	20	71 16	84 16	16	7927800	590800	47G	1063	384.2	377.0	7.16	0	0	1	0	0	0	0	IL - ?	
90 DCA 0093	20	71 14	84 12	16	7923400	594700	47G	709	279.3	277.6	1.67	0	1	0	0	0	0	0		
90 DCA 0094	20	71 14	84 05	16	7924000	602000	47G	687	398.6	398.2	0.37	0	0	0	0	0	0	0		
90 DCA 0095	20	71 15	83 34	17	7924800	395400	47H	1074	529.1	529.1	0.04	0	0	0	0	0	0	0		
90 DCA 0096	20	71 15	84.00	16	7927200	606600	47G	666	226.9	226.8	0.10	0	0	0	0	0	0	0		
90 DCA 0097	20	71 15	84 04	16	7925500	602300	47G	1202	382.6	382.0	0.65	0	0	0	0	0	0	0		
90 DCA 0098	15	71 15	84 11	16	7926000	596000	47G	685	267.9	266.4	1.51	0	0	0	0	0	0	0		
90 DCA 0099	30	71 15	84 13	16	7927100	594200	47G	946	339.2	337.9	1.30	0	0	0	0	1	0	0		
90 DCA 0151	20	71 27	85 13	16	7962400	557300	47G	628	134.1	133.0	1.15	0	0	0	0	0	0	0		
90 DCA 0152	15	71 27	85 12	16	7960600	558400	47G	712	247.2	245.8	1.45	0	0	0	0	0	0	0		
90 DCA 0153	20	71 26	85 09	16	7958100	560800	47G	620	98.1	97.8	0.27	0	0	0	0	1	0	0		
90 DCA 0155	15	71 25	85 04	16	7955200	566000	47G	812	259	257.3	1.75	0	0	0	0	0	0	0		
90 DCA 0156	15	71 25	85 04	16	7957100	566200	47G	1033	414.6	410.9	3.74	0	1	0	0	0	0	0		
90 DCA 0157	20	71 26	85 05	16	7959400	565000	47G	709	164.3	162.6	1.73	0	0	0	0	0	0	0		
90 DCA 0158	20	71 26	85 08	16	7959900	562100	47G	602	109	108.0	1.03	0	0	0	0	0	0	0		

PYR - Pyrope garnet ECL - Eclogitic garnet IL - Ilmenite CHR - Chromite

CD - Cr-diopside OTH - Other OL - Olivine

* Specific Gravity ≥ 2.96

Table B1. Sample Location and Visual Identification - Northern Baffin Island

Sample number	Depth	Lat	Long	UTM			Map	Weight (g)				Indicator heavy minerals (+0.25mm)								Remarks
				Zone	North	East		Total Sample	0.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%		
90 DCA 0159	20	72 24	85 24	16	8063800	544400	48B	1320	266.9	258.0	8.95	0	0	0	0	0	0	0		
90 DCA 0163	15	72 23	85 25	16	8060800	543800	48B	1084	160.5	153.7	6.84	0	0	0	0	0	0	0		
90 DCA 0175	20	72 26	85 24	16	8071000	544000	48B	850	137.7	128.4	9.27	0	0	0	0	0	0	0		
90 DCA 0177	10	72 25	85 18	16	8066000	549700	48B	552	126.3	124.0	2.35	0	0	0	0	0	0	0		
90 DCA 0178	15	72 24	85 21	16	8065200	546800	48B	667	157.9	148.7	9.16	0	0	0	0	0	0	0		
90 DCA 0179	15	72 24	85 22	16	8065200	546300	48B	460	139.4	138.9	0.52	0	0	0	0	0	0	0		
90 DCA 0180	20	72 25	85 23	16	8065600	545200	48B	281	36.2	35.8	0.44	0	0	0	0	0	0	0		
90 DCA 0184	15	72 21	85 14	16	8054800	553400	48B	627	90.7	89.3	1.42	0	0	0	0	0	0	0		
90 DCA 0186	15	72 22	85 21	16	8057400	547000	48B	1161	217.9	211.6	6.29	0	0	0	0	1	0	0		
90 DCA 0187	10	72 23	85 23	16	8059500	545800	48B	1162	257.9	251.3	6.63	0	0	0	0	0	0	0		
90 DCA 0188	5	72 24	85 18	16	8063400	549900	48B	613	129.7	125.8	3.87	0	0	0	0	0	0	0		
90 DCA 0189	15	72 24	85 15	16	8063800	552200	48B	813	120	119.5	0.53	0	0	0	0	0	0	0		
90 DCA 0190	10	72 24	85 18	16	8064300	550000	48B	872	169	155.8	13.22	0	0	0	0	0	0	0		
90 DCA 0191	15	72 25	85 22	16	8066400	545900	48B	669	114.6	109.0	5.65	0	0	0	0	2	0	0		
90 DCA 0192	20	72 25	85 21	16	8067300	546600	48B	1166	347.4	337.8	9.64	0	0	0	0	0	0	0		
90 DCA 0193	20	72 25	85 23	16	8067400	545000	48B	300	90.8	89.7	1.11	0	0	0	0	0	0	0		
90 DCA 0401	20	70 16	87 09	16	7814900	490600	47F	470	110	108.9	1.09	0	0	0	0	0	0	0		
90 DCA 0402	20	70 16	87 14	16	7815400	485600	47F	774	138.4	137.5	0.93	0	0	0	0	0	0	0		
90 DCA 0403	20	70 17	87 2	16	7819400	479500	47F	710	157.8	156.2	1.64	0	0	0	0	0	0	0		
90 DCA 0406	20	70 13	87 17	16	7806300	482600	47F	455	66.8	66.4	0.45	0	0	0	0	0	0	0		
90 DCA 0407	20	70 14	87 23	16	7808500	475800	47F	814	135.5	135.2	0.30	0	0	0	0	0	0	0		
90 DCA 0408	20	70 15	87 24	16	7812500	474800	47F	866	100.6	100.3	0.34	0	1	0	0	0	0	0		
90 DCA 0409	20	70 15	87 18	16	7811100	481200	47F	718	90.3	90.0	0.35	0	0	0	0	0	0	0		
90 DCA 0410	20	70 15	87 11	16	7811800	488400	47F	741	174.9	174.2	0.69	0	0	0	0	0	0	0		
90 DCA 0415	20	70 16	87 06	16	7816800	493400	47F	653	128.7	128.4	0.26	0	0	0	0	0	0	0		
90 DCA 0418	20	70 17	87 1	16	7817600	489700	47F	1166	224.5	223.4	1.10	0	0	0	0	0	0	0		
90 DCA 0420	20	70 18	87 08	16	7822800	492200	47F	1111	162.5	160.8	1.70	0	0	0	0	0	0	0		
90 DCA 0421	20	70 19	87 03	16	7824500	497200	47F	1227	318.1	316.9	1.24	0	0	0	0	0	0	0		
90 DCA 0423	20	70 08	86 15	16	7791200	521600	47F	1693	599.9	598.2	1.68	0	0	0	0	0	0	0		
90 DCA 0424	20	70 05	86 05	16	7781400	532900	47F	260	26.8	26.5	0.29	0	0	0	0	0	0	0		

PYR - Pyrope garnet ECL - Eclogitic garnet IL - Ilmenite CHR - Chromite

CD - Cr-diopside OTH - Other OL - Olivine

* Specific Gravity ≥ 2.96

Table B1. Sample Location and Visual Identification - Northern Baffin Island

Sample number	Depth	Lat	Long	UTM			Map	Weight (g)				Indicator heavy minerals (+0.25mm)								Remarks
				Zone	North	East		Total Sample	0.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%		
90 DCA 0427	20	70 05	86 11	16	7781200	526700	47F	1686	147.6	83.4	64.19	0	0	0	0	0	0	0		
90 DCA 0428	20	70 04	86 09	16	7779000	528200	47F	288	59.7	55.9	3.78	0	0	0	0	0	0	0		
90 DCA 0430	20	70 04	86 07	16	7779200	530800	47F	870	137.4	127.1	10.29	0	0	0	2	0	0	0		
90 DCA 0431	20	70 03	86 04	16	7775400	533700	47F	1575	310.2	198.0	112.23	0	0	0	0	0	0	0		
90 DCA 0433	20	70 07	86 12	16	7786100	524800	47F	1081	463.1	462.9	0.19	0	0	0	0	0	0	0		
90 DCA 0434	20	70 07	86 12	16	7787600	525300	47F	1446	429.8	426.8	3.02	0	0	0	0	0	0	0		
90 DCA 0435	20	70 09	86 11	16	7792200	526600	47F	1098	443.6	441.5	2.13	0	0	0	0	0	0	0		
90 DCA 0436	20	70 08	86 08	16	7791000	529200	47F	1065	507.7	507.3	0.42	0	0	0	0	0	0	0		
90 DCA 0437	20	70 07	86 09	16	7788200	528200	47F	577	242.6	242.3	0.28	0	0	0	0	0	0	0		
90 DCA 0446	20	71 03	86 13	16	7886900	523300	47G	790	129.3	128.9	0.39	0	0	0	0	0	0	0		
90 DCA 0447	20	71 04	86 17	16	7888200	519300	47G	748	149.3	148.4	0.87	0	0	0	0	0	0	0		
90 DCA 0448	20	71 04	86 17	16	7891000	519100	47G	1051	173.7	173.3	0.36	0	0	0	0	0	0	0		
90 DCA 0449	20	71 06	86 15	16	7894700	520900	47G	1087	219.6	218.9	0.68	0	0	0	0	0	0	0		
90 DCA 0450	20	71 06	86 13	16	7897200	523500	47G	1023	180.5	179.2	1.30	0	0	0	0	0	0	0		
90 DCA 0454	20	71 05	86 22	16	7891400	514000	47G	771	137	136.5	0.54	0	0	0	0	0	0	0		
90 DCA 0455	20	71 05	86 23	16	7892800	513400	47G	807	139.7	139.6	0.07	0	0	0	0	0	0	0		
90 DCA 0456	20	71 06	86 19	16	7894900	517500	47G	885	169.5	169.0	0.54	0	0	0	0	0	0	0		
90 DCA 0472	20	71 07	87 28	16	7898400	472200	47G	1083	136	134.9	1.14	0	0	0	0	0	0	0		
90 DCA 0478	20	71 05	87 07	16	7891500	493000	47G	1052	158.5	158.1	0.40	0	0	0	0	0	0	0		
90 DCA 0479	20	71 07	87 1	16	7898900	490200	47G	980	108.6	108.4	0.19	0	0	0	0	0	0	0		
90 DCA 0480	20	71 08	87 11	16	7903000	488600	47G	1174	209.2	208.8	0.38	0	0	0	0	0	0	0		
90 DCA 0481	20	71 09	87 09	16	7906200	490800	47G	1069	159.9	159.4	0.48	0	0	0	0	0	0	0		
90 DCA 0483	20	71 11	87 06	16	7909800	494300	47G	721	126.5	126.4	0.12	0	0	0	0	0	0	0		
90 DCA 0484	20	71 1	87 02	16	7906800	498200	47G	1138	148	147.5	0.51	0	0	0	0	0	0	0		
90 DCA 0485	20	71 08	86 36	16	7902000	500400	47G	1145	218.3	217.7	0.61	0	0	0	0	0	0	0		
90 DCA 0486	20	71 07	87 02	16	7898100	498300	47G	1135	157.4	157.2	0.19	0	0	0	0	0	0	0		
90 DCA 0487	20	71 05	87 03	16	7893300	496800	47G	1048	144	144.0	0.02	0	0	0	0	0	0	0		
90 DCA 0489	20	71 02	87 07	16	7883600	493400	47G	1208	186.6	186.3	0.29	0	0	0	0	0	0	0		
90 DCA 0490	20	71 04	87 03	16	7888200	496900	47G	1215	287.9	287.6	0.29	0	0	0	0	0	0	0		
90 DCA 0492	20	71 04	87 01	16	7890800	498700	47G	1337	115.2	115.1	0.12	0	0	0	0	0	0	0		

PYR - Pyrope garnet ECL - Eclogitic garnet IL - Ilmenite CHR - Chromite

CD - Cr-diopside OTH - Other OL - Olivine

* Specific Gravity ≥ 2.96

Table B1. Sample Location and Visual Identification - Northern Baffin Island

Sample number	Depth	Lat	Long	UTM			Map	Weight (g)				Indicator heavy minerals (+0.25mm)								Remarks
				Zone	North	East		Total Sample	0.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%		
90 DCA 0494	20	71 03	86 35	16	7886800	500900	47G	863	233.4	232.4	1.03	0	0	0	0	0	0	0		
90 DCA 0495	20	71 05	86 36	16	7891800	500100	47G	1212	281.3	279.7	1.58	0	0	0	0	1	0	0		
90 DCA 0496	20	71 03	87 09	16	7887600	490800	47G	1432	317.1	316.2	0.91	0	0	0	0	0	0	0		
90 DCA 0497	20	71 05	87 1	16	7891900	490200	47G	1073	276.7	275.1	1.60	0	0	0	0	0	0	0		
90 DCA 0498	20	71 06	87 1	16	7895000	489500	47G	1425	225.6	224.7	0.93	0	0	0	0	0	0	0		
90 DCA 0499	20	71 06	87 15	16	7897000	484500	47G	733	102.9	102.8	0.11	0	0	0	0	0	0	0		
90 DCA 0501	20	71 07	87 18	16	7898900	481700	47G	1141	63	62.9	0.07	0	0	0	0	0	0	0		
90 DCA 0502	20	71 07	87 21	16	7899100	478600	47G	859	82.7	82.7	0.02	0	0	0	0	0	0	0		
90 DCA 0503	20	71 06	87 2	16	7897200	479600	47G	1289	309.5	308.5	0.99	0	0	0	0	0	0	0		
90 DCA 0505	20	71 02	87 12	16	7885000	488300	47G	1579	425	423.3	1.66	0	0	0	0	0	0	0		
91 DCA 0010	10	71 29	80 21	17	7966100	514200	47H	432	204.2	204.0	0.21	0	0	0	1	0	0	0	CHR - ?	
91 DCA 0011	10	71 29	80 23	17	7966800	512200	47H	507	293.4	293.1	0.26	0	0	0	0	0	0	0		
91 DCA 0012	30	71 29	80 25	17	7967000	511100	47H	518	282.8	282.3	0.54	0	0	0	0	0	0	0		
91 DCA 0013	30	71 29	80 25	17	7967300	510200	47H	512	302.6	302.5	0.09	0	0	0	0	0	0	0		
91 DCA 0014	20	71 29	80 27	17	7968200	509100	47H	446	215.8	215.3	0.52	0	0	0	0	0	0	0		
91 DCA 0015	20	71 32	80 29	17	7975600	507200	47H	989	625.4	624.3	1.12	0	0	0	0	0	0	0		
91 DCA 0016	30	71 31	80 28	17	7974100	507500	47H	714	422.4	420.7	1.72	0	0	0	0	0	0	0		
91 DCA 0017	30	71 31	80 28	17	7972600	508100	47H	639	393.7	393.5	0.24	0	0	0	0	0	0	0		
91 DCA 0018	30	71 31	80 26	17	7971900	509400	47H	597	373.5	372.6	0.94	0	0	0	0	0	0	0		
91 DCA 0019	30	71 3	80 24	17	7971200	511300	47H	843	432.3	430.3	2.02	0	0	0	0	0	0	0		
91 DCA 0020	30	71 3	80 22	17	7971200	513500	47H	797	393.8	391.3	2.49	0	0	0	0	0	0	0		
91 DCA 0021	20	71 3	80 21	17	7969500	514600	47H	960	620.4	620.0	0.36	0	0	0	0	0	0	0		
91 DCA 0022	20	71 3	80 22	17	7969200	513600	47H	841	457.8	457.2	0.62	0	0	0	0	0	0	0		
91 DCA 0023	20	71 3	80 24	17	7970100	511400	47H	777	503.2	502.4	0.82	0	0	0	0	0	0	0		
91 DCA 0024	20	71 33	80 3	17	7978200	505800	47H	577	255	254.3	0.73	0	0	2	2	0	0	0	IL - ?	
91 DCA 0025	30	71 33	80 27	17	7978200	508700	47H	823	402	400.7	1.27	0	0	0	0	0	0	0		
91 DCA 0026	20	71 33	80 26	17	7978500	510000	47H	529	296.9	295.8	1.12	0	0	0	0	0	0	0		
91 DCA 0027	20	71 32	80 26	17	7976600	510100	47H	840	430.4	427.1	3.27	0	0	0	2	0	0	0	CHR - ?	
91 DCA 0028	20	71 32	80 27	17	7975100	508700	47H	1039	514.4	512.7	1.75	0	0	0	0	0	0	0		

PYR - Pyrope garnet ECL - Eclogitic garnet IL - Ilmenite CHR - Chromite

CD - Cr-diopside OTH - Other OL - Olivine

* Specific Gravity ≥ 2.96

Table B1. Sample Location and Visual Identification - Northern Baffin Island

Sample number	Depth	Lat	Long	UTM			Map	Weight (g)				Indicator heavy minerals (+0.25mm)								Remarks
				Zone	North	East		Total Sample	0.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%		
91 DCA 0031	30	71 32	80 3	17	7976700	505600	47H	580	252.9	252.1	0.80	0	1	0	2	0	0	0	CHR - ?	
91 DCA 0033	30	71 31	80 31	17	7974300	504900	47H	746	252.1	251.0	1.12	0	0	0	0	0	0	0		
91 DCA 0034	20	71 31	80 3	17	7974600	505800	47H	964	468.1	467.9	0.22	0	0	0	0	0	0	0		
91 DCA 0035	30	71 31	80 29	17	7972700	506800	47H	1081	505.1	504.9	0.24	0	0	0	0	0	0	0		
91 DCA 0036	20	71 3	80 29	17	7971300	507000	47H	829	276.3	275.8	0.46	0	0	0	0	0	0	0		
91 DCA 0040	20	72 02	81 04	17	7993700	496500	48A	393	115.8	115.6	0.21	0	0	0	0	0	0	0		
91 DCA 0041	20	72 02	81 04	17	7995100	495900	48A	582	120.5	120.0	0.53	0	0	0	0	0	0	0		
91 DCA 0053	15	72 03	81 11	17	7997000	489500	48A	420	92.2	92.1	0.10	0	0	0	0	0	0	0		
91 DCA 0054	10	72 03	81 1	17	7998600	490200	48A	493	75.6	75.5	0.06	0	0	0	0	0	0	0		
91 DCA 0055	10	72 03	81 09	17	7997200	491400	48A	139	36	36.0	0.04	0	0	0	0	0	0	0		
91 DCA 0056	15	72 03	81 09	17	7998000	491400	48A	707	203.6	203.4	0.19	0	0	0	0	0	0	0		
91 DCA 0057	15	72 03	81 09	17	7998800	491800	48A	404	88.8	88.7	0.15	0	0	0	0	0	0	0		
91 DCA 0058	20	72 03	81 07	17	7998200	493800	48A	793	230.2	229.6	0.57	0	0	0	0	0	0	0		
91 DCA 0064	15	72 03	81 13	17	7997700	487800	48A	681	161.9	161.5	0.41	0	0	0	0	0	0	0		
91 DCA 0065	30	72 03	81 14	17	7998600	486600	48A	920	191.7	190.9	0.77	0	0	0	0	0	0	0		
91 DCA 0066	20	72 03	81 16	17	7998200	484300	48A	221	44.4	44.2	0.21	0	0	0	0	0	0	0		
91 DCA 0067	10	72 04	81 18	17	8000000	482500	48A	436	128.5	128.1	0.37	0	0	0	0	0	0	0		
91 DCA 0069	10	72 03	81 2	17	7997700	480900	48A	721	149.3	149.0	0.30	0	0	0	0	0	0	0		
91 DCA 0071	30	72 04	81 2	17	8000700	480500	48A	928	254.6	253.5	1.14	0	0	0	0	0	0	0		
91 DCA 0072	10	72 04	81 18	17	8001400	483200	48A	436	119.6	119.3	0.33	0	0	0	0	0	0	0		
91 DCA 0073	20	72 04	81 14	17	8000600	486400	48A	614	137.1	136.5	0.61	0	0	0	0	0	0	0		
91 DCA 0074	200	72 01	81 04	17	7991800	496200	48A	569	208.7	205.0	3.75	0	0	0	0	0	0	0		
91 DCA 0075	20	72 01	81 02	17	7990900	497700	48A	901	374.5	374.2	0.30	0	0	0	0	0	0	0		
91 DCA 0076	10	72.00	80 36	17	7989700	500300	48A	730	236.7	236.4	0.30	0	0	0	3	0	0	0		
91 DCA 0077	10	72.00	80 34	17	7989300	501900	48A	676	116.9	116.8	0.12	0	0	0	0	0	0	0		
91 DCA 0078	10	71 35	80 35	17	7987000	500600	47H	522	174.5	174.1	0.45	0	0	0	0	0	0	0		
91 DCA 0079	10	71 35	81 01	17	7986900	498800	47H	683	161.8	161.4	0.36	0	0	0	0	0	0	0		
91 DCA 0080	10	71 36	81 04	17	7987700	496300	47H	677	281.7	281.1	0.56	0	0	0	0	0	0	0		
91 DCA 0081	20	71 36	81 08	17	7988400	492800	47H	821	399.7	399.4	0.30	0	0	0	0	0	0	0		
91 DCA 0082	10	72 01	81 07	17	7991800	493300	48A	760	245.5	245.2	0.35	0	0	0	0	0	0	0		

PYR - Pyrope garnet ECL - Eclogitic garnet IL - Ilmenite CHR - Chromite

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* Specific Gravity ≥ 2.96

Table B1. Sample Location and Visual Identification - Northern Baffin Island

Sample number	Depth	Lat	Long	UTM			Map	Weight (g)				Indicator heavy minerals (+0.25mm)								Remarks
				Zone	North	East		Total Sample	0.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%		
91 DCA 0083	15	72 02	81 12	17	7995400	488800	48A	526	107.1	107.0	0.08	0	0	0	0	0	0	0		
91 DCA 0084	10	72 02	81 13	17	7996300	487400	48A	754	145.6	145.1	0.47	0	0	0	0	0	0	0		
91 DCA 0085	15	72 03	81 17	17	7997000	484200	48A	643	134.4	134.3	0.11	0	0	0	0	0	0	0		
91 DCA 0086	10	72 02	81 16	17	7994800	485000	48A	662	167.3	167.1	0.19	0	0	0	0	0	0	0		
91 DCA 0087	15	72 02	81 13	17	7994400	487500	48A	773	167.7	167.4	0.28	0	0	0	0	0	0	0		
91 DCA 0091	20	72 11	81 09	17	8023400	491300	48A	475	111	110.8	0.18	0	0	0	0	0	0	0		
91 DCA 0093	20	72 13	81 06	17	8028200	494000	48A	581	169	167.8	1.25	0	0	0	0	0	0	0		
91 DCA 0094	30	72 12	81 07	17	8025100	493600	48A	607	192.9	192.2	0.68	0	0	0	0	0	0	0		
91 DCA 0097	20	72 11	81 09	17	8021400	491400	48A	557	184.1	174.7	9.37	0	0	0	0	0	0	0		
91 DCA 0098	15	72 11	81 12	17	8021800	488600	48A	642	198.8	191.5	7.33	0	0	0	0	0	0	0		
91 DCA 0099	15	72 11	81 14	17	8022800	487000	48A	589	151.1	147.2	3.86	0	0	0	0	0	0	0		
91 DCA 0100	10	72 11	81 13	17	8023600	487400	48A	298	71.1	58.6	12.52	0	0	0	0	0	0	0		
91 DCA 0101	15	72 11	81 12	17	8023000	488500	48A	480	150.9	145.8	5.11	0	0	0	0	0	0	0		
91 DCA 0102	20	72 11	81 11	17	8022400	489400	48A	717	259.5	250.2	9.33	0	0	0	0	0	0	0		
91 DCA 0103	10	72 11	81 1	17	8022100	490700	48A	668	265.4	262.2	3.16	0	0	0	0	0	0	0		
91 DCA 0121	30	72 29	80 18	17	8078400	516300	48A	811	298.2	292.7	5.53	0	0	0	0	0	0	0		
91 DCA 0123	20	72 28	80 18	17	8076300	516200	48A	612	94.5	93.4	1.09	0	0	0	0	0	0	0		
91 DCA 0124	20	72 28	80 16	17	8077100	518300	48A	971	177.5	176.0	1.54	0	0	0	0	0	0	0		
91 DCA 0126	20	72 29	80 14	17	8077900	520100	48A	722	145.9	138.5	7.44	0	1	0	0	1	0	0		
91 DCA 0161	20	72 29	80 18	17	8080200	516900	48A	1248	397.8	394.5	3.27	0	0	0	0	0	0	0		
91 DCA 0162	20	72 29	80 21	17	8078800	514100	48A	830	204.6	202.0	2.63	0	0	0	0	0	0	0		
91 DCA 0163	30	72 29	80 24	17	8077500	511400	48A	984	287.3	284.4	2.92	0	0	0	0	0	0	0		
91 DCA 0164	30	72 29	80 23	17	8078800	511800	48A	827	183.5	181.1	2.39	0	0	0	0	0	0	0		
91 DCA 0165	15	72 3	80 22	17	8080800	512900	48A	751	310.5	305.7	4.84	0	0	0	0	0	0	0		
91 DCA 0166	30	72 3	80 2	17	8081600	514300	48A	739	176.4	172.9	3.48	0	0	0	0	0	0	0		
91 DCA 0201	15	72 29	80 24	17	8080200	510800	48A	715	232.9	230.0	2.94	0	0	0	0	0	0	0		
91 DCA 0203	15	72 3	80 23	17	8081900	511700	48A	939	276.2	245.8	30.43	0	0	0	0	0	0	0		
91 DCA 0204	15	72 3	80 21	17	8083100	513700	48A	597	185.5	182.7	2.83	0	0	0	0	0	0	0		
91 DCA 0403	20	70.00	86 18	16	7766000	518600	47F	739	63.6	62.3	1.34	0	0	0	0	0	0	0		
91 DCA 0404	20	70 02	86 23	16	7771300	514100	47F	913	205.5	204.4	1.15	0	0	0	0	0	0	0		

PYR - Pyrope garnet ECL - Eclogitic garnet IL - Ilmenite CHR - Chromite

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* Specific Gravity ≥ 2.96

Table B1. Sample Location and Visual Identification - Northern Baffin Island

Sample number	Depth	Lat	Long	UTM			Map	Weight (g)				Indicator heavy minerals (+0.25mm)								Remarks
				Zone	North	East		Total Sample	0.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%		
91 DCA 0406	20	70 03	87 02	16	7775600	497500	47F	764	156.8	155.4	1.43	0	0	0	2	0	0	0		
91 DCA 0407	20	70 03	86 29	16	7773700	507200	47F	553	89.3	89.0	0.32	0	0	0	0	0	0	0		
91 DCA 0408	20	70 01	86 25	16	7769200	511400	47F	713	167.6	165.4	2.17	0	0	0	0	0	0	0		
91 DCA 0411	20	70 03	86 23	16	7776000	514100	47F	424	20.8	20.2	0.64	0	0	0	0	0	0	0		
91 DCA 0416	20	70 03	86 34	16	7774200	502500	47F	1012	228.9	227.5	1.40	0	0	0	0	0	0	0		
91 DCA 0417	20	70 02	87 01	16	7772800	498800	47F	708	137.8	136.6	1.20	0	0	0	0	0	0	0		
91 DCA 0418	20	70 03	87 04	16	7774500	496000	47F	1003	158.8	157.9	0.93	0	0	0	0	0	0	0		
91 DCA 0419	20	70 03	87 08	16	7774800	492000	47F	775	197	196.3	0.71	0	0	0	0	0	0	0		
91 DCA 0420	20	70 02	87 04	16	7770500	495300	47F	626	136.1	135.7	0.45	0	0	0	0	0	0	0		
91 DCA 0421	20	70 01	86 3	16	7769300	506200	47F	856	114.9	113.6	1.33	0	0	0	0	0	0	0		
91 DCA 0423	20	70 13	86 31	16	7806000	504800	47F	1304	469.4	466.1	3.27	0	0	0	0	0	0	0		
91 DCA 0424	20	70 12	86 31	16	7803500	504900	47F	1036	233.9	231.7	2.16	0	0	0	0	0	0	0		
91 DCA 0425	20	70 14	86 26	16	7810100	510800	47F	745	168.6	165.4	3.19	0	0	0	0	0	0	0		
91 DCA 0426	20	70 13	86 25	16	7806000	511700	47F	1250	393	390.7	2.28	0	0	0	0	0	0	0		
91 DCA 0427	20	70 13	86 28	16	7805000	507900	47F	1305	433.5	430.7	2.78	0	0	0	0	0	0	0		
91 DCA 0428	20	70 15	86 29	16	7811000	507100	47F	599	225.7	223.8	1.86	0	0	0	0	0	0	0		
91 DCA 0429	20	70 15	86 31	16	7812900	505500	47F	1024	254	234.6	19.37	0	0	0	0	0	0	0		
91 DCA 0431	20	70 15	86 25	16	7811000	511500	47F	1454	782.6	780.2	2.42	0	0	0	0	0	0	0		
91 DCA 0432	20	70 15	86 24	16	7811500	512000	47F	1049	391.6	380.7	10.90	0	0	0	0	0	0	0		
91 DCA 0433	20	70 15	86 24	16	7813000	512300	47F	1091	314	311.0	3.74	0	0	0	0	0	0	0		
91 DCA 0434	20	70 12	86 25	16	7804100	511800	47F	1239	749	743.8	5.22	0	0	0	0	0	0	0		
91 DCA 0436	20	70 13	86 28	16	7806500	508400	47F	1022	229.2	227.9	1.33	0	0	0	0	0	0	0		
91 DCA 0437	20	70 06	85 08	16	7785600	567300	47F	1244	600.5	596.8	3.71	0	0	0	0	0	0	0		
91 DCA 0438	20	70 06	85 08	16	7783800	567200	47F	721	351.4	349.0	2.37	0	0	0	0	0	0	0		
91 DCA 0439	20	70 05	85 14	16	7781200	560900	47F	1233	625.6	623.7	1.88	0	0	0	0	0	0	0		
91 DCA 0440	20	70 05	85 1	16	7783200	565000	47F	759	343.5	341.2	2.29	0	0	0	0	0	0	0		
91 DCA 0441	20	70 05	85 12	16	7783500	563200	47F	1157	486.1	483.6	2.47	0	0	0	0	0	0	0		
91 DCA 0442	20	70 06	85 12	16	7786000	563200	47F	1139	520.1	519.0	1.10	0	0	0	0	0	0	0		
91 DCA 0443	20	70 07	85 11	16	7787500	564200	47F	1329	578.9	578.0	0.86	0	0	0	0	0	0	0		
91 DCA 0444	20	70 06	85 1	16	7786300	565400	47F	1550	795	768.3	26.72	0	0	0	0	0	0	0		

PYR - Pyrope garnet ECL - Eclogitic garnet IL - Ilmenite CHR - Chromite

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* Specific Gravity ≥ 2.96

Table B1. Sample Location and Visual Identification - Northern Baffin Island

Sample number	Depth	Lat	Long	UTM			Map	Weight (g)				Indicator heavy minerals (+0.25mm)								Remarks
				Zone	North	East		Total Sample	0.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%		
91 DCA 0446	20	71 01	85 03	16	7881000	570000	47F	975	514.3	511.3	2.99	0	0	0	0	0	0	0		
91 DCA 0447	20	70 04	85 25	16	7779400	549600	47F	1186	538	535.2	2.83	0	0	0	0	0	0	0		
91 DCA 0448	20	70 05	85 05	16	7782800	570800	47F	1540	707.8	704.1	3.69	0	0	0	0	0	0	0		
91 DCA 0449	20	70 06	85 03	16	7784400	572400	47F	1374	594.1	590.2	3.91	0	0	0	0	0	0	0		
91 DCA 0450	20	70 06	85 01	16	7786800	574900	47F	1030	650.9	646.7	4.17	0	0	0	0	0	0	0		
91 DCA 0451	20	70 06	84 35	16	7784200	576400	47F	1220	626.7	624.3	2.43	0	0	0	0	0	0	0		
91 DCA 0452	20	70 05	85 01	16	7782900	574400	47F	703	354.2	352.7	1.52	0	0	1	0	0	0	0		
91 DCA 0457	20	70 05	84 3	16	7781600	581800	47F	1447	657.5	653.2	4.34	0	0	0	0	0	0	0		
91 DCA 0458	20	70 04	84 26	16	7779600	586400	47F	1137	611.3	610.2	1.15	0	0	0	0	0	0	0		
91 DCA 0459	20	70 06	84 24	16	7787000	588500	47F	647	278.1	275.2	2.95	0	0	0	0	0	0	0		
91 DCA 0463	20	70 04	84 31	16	7778800	580800	47F	1692	405.8	404.1	1.66	0	0	0	0	0	0	0		
91 DCA 0464	20	70 04	84 27	16	7781200	585000	47F	644	343.5	341.5	2.04	0	0	0	0	0	0	0		
91 DCA 0465	20	70 05	84 26	16	7783500	586400	47F	1342	608.4	607.4	1.04	0	0	0	0	0	0	0		
91 DCA 0466	20	70 05	84 25	16	7782700	587700	47F	581	340.9	340.3	0.65	0	0	0	0	0	0	0		
91 DCA 0467	20	70 05	84 23	16	7783900	589000	47F	645	307.6	298.8	8.82	0	0	0	0	0	0	0		
91 DCA 0468	20	70 05	84 23	16	7783200	589900	47F	708	403.1	400.9	2.22	0	0	0	0	0	0	0		
91 DCA 0469	20	70 05	84 24	16	7781900	588900	47F	1126	539.9	540.0	2.91	0	0	0	0	0	0	0		
89 DCAK 0001	20	74 32	97 24	14	8271400	547600	68E	631	33.1	32.9	0.21	0	0	0	0	0	0	0	Duplicate split of 89 DCA 0002	
89 DCAK 0002	20	71 28	86 11	16	7964800	524200	47G	328	169.6	167.2	2.38	0	0	0	0	0	0	0	Duplicate split of 89 DCA 0087	
89 DCAK 0003	20	72 05	86 15	16	8004700	519500	48B	457	153.6	153.2	0.41	0	1	0	0	0	0	0	Duplicate split of 89 DCA 0154	
89 DCAK 0004	10	72 14	86 16	16	8032600	519200	48B	366	202.2	202.1	0.11	0	0	0	0	0	0	0	Duplicate split of 89 DCA 0216	
89 DCAK 0005	20	70 14	87 36	16	7809800	463000	47F	399	54.9	54.4	0.50	0	0	0	0	0	0	0	Duplicate split of 89 DCA 0403	
89 DCAK 0006	20	70 33	85 15	16	7868600	558000	47F	460	140.7	140.4	0.34	0	0	0	0	0	0	0	Duplicate split of 89 DCA 0439	
89 DCAK 0007	20	70 34	86 19	16	7869600	517400	47F	519	217.1	216.5	0.59	0	0	0	0	0	0	0	Duplicate split of 89 DCA 0517	
89 DCAK 0008	20	70 31	86 16	16	7861900	520300	47F	500	136.2	136.0	0.18	0	0	0	0	0	0	0	Duplicate split of 89 DCA 0528	
90 DCAK 0001	20	71 18	84 15	16	7933800	591900	47G	623	408.4	407.5	0.92	0	0	0	0	0	0	0	Duplicate split of 90 DCA 0088	
90 DCAK 0002	20	72 24	85 24	16	8063800	544400	48B	1091	403.6	389.7	13.95	0	0	0	0	0	0	0	Duplicate split of 90 DCA 0159	
90 DCAK 0003	15	72 21	85 14	16	8054800	553400	48B	593	224	220.2	3.85	0	0	0	0	0	0	0	Duplicate split of 90 DCA 0184	

PYR - Pyrope garnet ECL - Eclogitic garnet IL - Ilmenite CHR - Chromite

CD - Cr-diopside OTH - Other OL - Olivine

* Specific Gravity ≥ 2.96

Table B1. Sample Location and Visual Identification - Northern Baffin Island

Sample number	Depth	Lat	Long	UTM			Map	Weight (g)				Indicator heavy minerals (+0.25mm)								Remarks
				Zone	North	East		Total Sample	0.25-1mm	Lights	*Heavies	PYR	ECL	IL	CHR	CD	OTH	OL%		
90 DCAK 0004	20	70 16	87 06	16	7816800	493400	47F	551	163.7	161.2	2.49	0	0	0	0	0	0	0	Duplicate split of 90 DCA 0415	
90 DCAK 0005	20	70 07	86 09	16	7788200	528200	47F	740	429.6	429.0	0.63	0	0	0	0	0	0	0	Duplicate split of 90 DCA 0437	
90 DCAK 0006	20	71 11	87 06	16	7909800	494300	47G	472	116.4	116.2	0.16	0	0	0	0	0	0	0	Duplicate split of 90 DCA 0483	
90 DCAK 0007	20	71 03	86 35	16	7886800	500900	47G	731	306.1	304.2	1.92	0	0	1	0	0	0	0	Duplicate split of 90 DCA 0494	
91 DCAK 0001	30	71 31	80 28	17	7974100	507500	47H	550	423.6	421.9	1.74	0	0	0	1	0	0	0	Duplicate split of 91 DCA 0016	
91 DCAK 0002	30	71 32	80 3	17	7976700	505600	47H	496	247.3	247.0	0.30	0	0	0	0	0	0	0	Duplicate split of 91 DCA 0031	
91 DCAK 0003	200	72 01	81 04	17	7991800	496200	48A	504	249	246.1	2.89	0	0	0	0	0	0	0	Duplicate split of 91 DCA 0074	
91 DCAK 0004	10	72 11	81 13	17	8023600	487400	48A	371	109.4	90.8	18.60	0	0	1	0	0	0	0	Duplicate split of 91 DCA 0100	
91 DCAK 0005	15	72 3	80 22	17	8080800	512900	48A	595	157.5	155.4	2.15	0	0	0	0	0	0	0	Duplicate split of 91 DCA 0165	
91 DCAK 0006	20	70 02	87 01	16	7772800	498800	47F	735	158.3	157.2	1.11	0	0	1	0	0	0	0	Duplicate split of 91 DCA 0417	
91 DCAK 0007	20	70 15	86 29	16	7811000	507100	47F	613	298.9	296.2	2.68	0	0	0	0	0	0	0	Duplicate split of 91 DCA 0428	
91 DCAK 0008	20	70 06	85 08	16	7783800	567200	47F	594	380.9	378.3	2.64	0	0	0	0	0	0	0	Duplicate split of 91 DCA 0438	
91 DCAK 0009	20	70 05	85 01	16	7782900	574400	47F	770	382.9	380.9	1.96	0	0	0	0	0	0	0	Duplicate split of 91 DCA 0452	
91 DCAK 0010	20	70 05	84 23	16	7783900	589000	47F	698	300.3	294.3	5.96	0	0	0	0	0	0	0	Duplicate split of 91 DCA 0467	

PYR - Pyrope garnet ECL - Eclogitic garnet IL - Ilmenite CHR - Chromite
 CD - Cr-diopside OTH - Other OL - Olivine
 * Specific Gravity ≥ 2.96

Table B2. Microprobe Results - Northern Baffin Island

Sample number	Lat	Long	UTM			Mount No.	Grain No.	Size	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-DCA-0070	72 02	89 25	16	7996200	407200	1	1	0.3	0.28	0.44	0.93	4.60	55.44	0.04	22.90	0.21	16.64	101.46	CP	diopside
89-DCA-0082	71 31	86 12	16	7971900	523600	1	2	0.3	0.16	0.49	0.91	3.55	54.81	0.06	23.23	0.14	15.91	99.26	CP	diopside
89-DCA-0100	71 27	86 05	16	7959800	529700	1	3	0.3	0.18	0.24	1.65	3.58	58.26	0.02	12.15	0.78	22.05	98.91	CP	Cr-diopside
89-DCA-0422	70 16	88 10	16	7817200	452000	1	4	0.3	0.35	0.14	0.00	46.99	0.03	50.27	0.00	0.00	1.60	99.38	SP	ilmenite
89-DCA-0422	70 16	88 10	16	7817200	452000	1	5	0.3	0.81	0.00	0.00	48.35	0.00	49.60	0.04	0.00	0.71	99.50	IL	ilmenite
89-DCA-0426	70 28	85 05	16	7852900	568300	1	6	0.3	0.10	0.53	1.71	3.84	59.05	0.05	12.26	0.58	22.79	100.91	CP	Cr-diopside
89-DCA-0455	70 29	85 08	16	7857800	564800	1	7	0.3	0.09	1.04	2.52	3.12	56.80	0.15	12.16	0.77	23.74	100.40	CP	Cr-diopside
89-DCA-0474	71 04	85 28	16	7889900	544200	1	8	0.3	1.27	0.00	0.00	48.63	0.00	50.56	0.00	0.00	0.19	100.65	IL	ilmenite
89-DCA-0474	71 04	85 28	16	7889900	544200	1	9	0.3	0.16	0.39	0.86	3.30	54.24	0.00	22.94	0.63	17.12	99.64	CP	Cr-diopside
89-DCA-0489	71 04	85 21	16	7891000	550900	1	10	0.3	1.52	0.00	0.00	48.16	0.15	49.03	0.00	0.02	0.27	99.17	SP	ilmenite
89-DCA-0494	71 02	85 24	16	7882700	548400	1	11	0.3	0.35	0.90	1.20	5.12	55.25	0.02	23.39	0.49	15.02	101.73	CP	diopside
90-DCA-0023	73 25	82 29	17	8179800	443500	1	12	0.3	0.13	0.25	2.24	5.29	53.10	0.16	20.26	0.88	18.25	100.56	CP	Cr-diopside
90-DCA-0092	71 16	84 16	16	7927800	590800	1	13	0.3	0.15	0.06	0.00	89.75	0.07	0.02	0.00	0.05	0.00	90.10	IL	hematite
90-DCA-0093	71 14	84 12	16	7923400	594700	1	14	0.15	0.38	0.04	20.75	37.32	36.88	0.15	4.97	0.08	0.66	101.24	GA	almandine
90-DCA-0099	71 15	84 13	16	7927100	594200	1	15	0.3	0.05	0.89	5.50	3.80	55.32	0.11	11.29	1.17	22.59	100.71	CP	Cr-diopside
90-DCA-0153	71 26	85 09	16	7958100	560800	1	16	0.3	0.18	0.30	0.21	3.72	55.69	0.00	24.80	0.06	15.83	100.81	CP	diopside
90-DCA-0156	71 25	85 04	16	7957100	566200	1	17	0.3	10.70	0.04	22.28	24.87	36.96	0.08	5.80	0.09	1.11	101.94	GA	almandine
90-DCA-0186	72 22	85 21	16	8057400	547000	1	18	0.3	0.19	0.46	0.94	3.23	55.80	0.01	22.90	0.49	17.33	101.33	CP	diopside
90-DCA-0191	72 25	85 22	16	8066400	545900	1	19	0.3	0.15	0.25	2.97	5.52	52.40	0.19	18.47	1.01	18.36	99.33	CP	Cr-diopside
90-DCA-0191	72 25	85 22	16	8066400	545900	1	20	0.3	0.19	0.17	3.07	5.07	53.36	0.21	19.30	1.07	18.32	100.76	CP	Cr-diopside
90-DCA-0408	70 15	87 24	16	7806300	482600	1	21	0.3	23.89	0.00	19.97	17.92	38.79	0.03	0.31	0.02	0.69	101.63	GA	spessartine
90-DCA-0430	70 04	86 07	16	7779200	530800	1	22	0.3	0.47	0.00	0.00	48.78	0.00	49.06	0.00	0.00	0.58	98.88	SP	ilmenite
90-DCA-0430	70 04	86 07	16	7779200	530800	1	23	0.3	0.68	0.00	0.00	48.79	0.03	48.69	0.05	0.00	0.45	98.69	SP	ilmenite
90-DCA-0495	71 05	86 36	16	7891800	500100	1	24	0.3	0.19	0.11	1.00	4.16	54.83	0.10	22.46	0.42	15.89	99.15	CP	diopside
91-DCA-0010	71 29	80 21	17	7966100	514200	1	25	0.3	0.09	0.00	0.23	88.87	0.05	0.08	0.00	0.01	0.07	89.39	SP	hematite
91-DCA-0024	71 33	80 30	17	7978200	505800	1	26	0.3	0.03	0.00	0.33	86.00	0.02	2.90	0.00	0.00	0.01	89.30	IL	Ti-magnetite
91-DCA-0024	71 33	80 30	17	7978200	505800	1	27	0.3	0.00	0.00	0.15	86.14	0.00	2.45	0.00	0.05	0.01	88.80	IL	Ti-magnetite
91-DCA-0024	71 33	80 30	17	7978200	505800	1	28	0.3	0.06	0.00	0.46	87.78	0.00	0.00	0.00	0.06	0.00	88.36	SP	hematite
91-DCA-0024	71 33	80 30	17	7978200	505800	1	29	0.3	0.00	0.00	0.09	87.76	0.03	0.00	0.00	0.00	0.00	87.88	SP	hematite
91-DCA-0027	71 32	80 26	17	7976600	510100	1	30	0.3	0.02	0.00	0.25	84.70	0.00	2.87	0.02	0.00	0.12	87.98	SP	Ti-magnetite
91-DCA-0027	71 32	80 26	17	7976600	510100	1	31	0.3	0.00	0.00	0.50	82.27	0.00	4.36	0.00	0.01	0.00	87.15	SP	Ti-magnetite

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table B2. Microprobe Results - Northern Baffin Island

Sample number	Lat	Long	UTM			Mount No.	Grain No.	Size	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															
91-DCA-0031	71 32	80 3	17	7976700	505600	1	32	0.3	2.27	0.00	19.88	32.79	40.32	0.13	4.57	0.00	1.83	101.79	GA	almandine
91-DCA-0031	71 32	80 3	17	7976700	505600	1	33	0.3	0.22	0.00	0.00	87.87	0.21	0.09	0.03	0.11	0.00	88.53	SP	hematite
91-DCA-0031	71 32	80 3	17	7976700	505600	1	34	0.3	0.10	0.00	0.00	86.47	0.09	0.05	0.00	0.09	0.01	86.81	SP	hematite
91-DCA-0076	72.00	80 36	17	7989700	500300	1	35	0.3	0.60	0.00	0.00	47.30	0.08	49.32	0.00	0.00	0.87	98.17	SP	ilmenite
91-DCA-0076	72.00	80 36	17	7989700	500300	1	36	0.3	0.00	0.00	0.00	89.30	0.00	0.00	0.01	0.00	0.07	89.39	SP	hematite
91-DCA-0076	72.00	80 36	17	7989700	500300	1	37	0.3	0.05	0.06	0.62	88.36	0.00	0.60	0.00	0.00	0.12	89.82	SP	hematite
91-DCA-0126	72 29	80 14	17	8077900	520100	1	38	0.3	14.60	0.14	21.29	16.26	37.43	0.15	9.03	0.05	2.34	101.30	GA	almandine
91-DCA-0126	72 29	80 14	17	8077900	520100	1	39	0.3	0.16	0.26	0.50	2.94	58.61	0.04	13.12	0.24	22.19	98.06	CP	(diopside)
91-DCA-0406	70 03	87 02	16	7775600	497500	1	40	0.3	2.89	0.05	0.04	47.06	0.00	48.32	0.00	0.00	0.45	98.80	SP	ilmenite
91-DCA-0406	70 03	87 02	16	7775600	497500	1	41	0.3	0.47	0.00	0.06	49.06	0.00	47.98	0.02	0.04	0.66	98.29	SP	ilmenite
91-DCA-0452	70 05	85 01	16	7782900	574400	1	42	0.3	0.00	0.00	0.05	87.65	0.17	0.04	0.01	0.11	0.00	88.02	IL	hematite

Duplicates

Duplicates																					Original Sample
																					Number
89-DCAK-0003	72 05	86 15	16	8004700	519500	1	43	0.15	3.36	0.08	22.26	30.43	36.75	0.14	4.46	0.03	3.95	101.46	GA	almandine	89-DCAK-0154
90-DCAK-0007	71 03	86 35	16	7886800	500900	1	44	0.3	0.52	0.00	0.00	48.71	0.00	48.99	0.00	0.00	0.49	98.71	IL	ilmenite	90-DCAK-0494
91-DCAK-0001	71 31	80 28	17	7974100	507500	1	45	0.3	0.15	0.00	0.00	87.15	0.14	0.01	0.00	0.00	0.07	87.52	SP	hematite	91-DCAK-0016
91-DCAK-0004	72 11	81 13	17	8023600	487400	1	46	0.3	0.43	0.00	0.08	45.79	0.00	47.00	0.00	0.00	3.38	96.68	IL	ilmenite	91-DCAK-0100
91-DCAK-0006	70 02	87 01	16	7772800	498800	1	47	0.3	1.22	0.00	0.00	47.00	0.01	47.95	0.00	0.00	0.06	96.25	IL	ilmenite	91-DCAK-0417

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel

Table B3. Summary of Kimberlitic Indicator Minerals - Northern Baffin Island

Sample number	Lat	Long	UTM			Mount No.	Grain No.	Size	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															
89-DCA-0100	71 27	86 05	16	7959800	529700	1	3	0.3	0.18	0.24	1.65	3.58	58.26	0.02	12.15	0.78	22.05	98.91	CP	Cr-diopside
89-DCA-0426	70 28	85 05	16	7852900	568300	1	6	0.3	0.10	0.53	1.71	3.84	59.05	0.05	12.26	0.58	22.79	100.91	CP	Cr-diopside
89-DCA-0455	70 29	85 08	16	7857800	564800	1	7	0.3	0.09	1.04	2.52	3.12	56.80	0.15	12.16	0.77	23.74	100.40	CP	Cr-diopside
89-DCA-0474	71 04	85 28	16	7889900	544200	1	9	0.3	0.16	0.39	0.86	3.30	54.24	0.00	22.94	0.63	17.12	99.64	CP	Cr-diopside
90-DCA-0023	73 25	82 29	17	8179800	443500	1	12	0.3	0.13	0.25	2.24	5.29	53.10	0.16	20.26	0.88	18.25	100.56	CP	Cr-diopside
90-DCA-0099	71 15	84 13	16	7927100	594200	1	15	0.3	0.05	0.89	5.50	3.80	55.32	0.11	11.29	1.17	22.59	100.71	CP	Cr-diopside
90-DCA-0191	72 25	85 22	16	8066400	545900	1	19	0.3	0.15	0.25	2.97	5.52	52.40	0.19	18.47	1.01	18.36	99.33	CP	Cr-diopside
90-DCA-0191	72 25	85 22	16	8066400	545900	1	20	0.3	0.19	0.17	3.07	5.07	53.36	0.21	19.30	1.07	18.32	100.76	CP	Cr-diopside

* GA - Garnet CP - Clinopyroxene IL - Ilmenite SP - Spinel