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Constraints on the magmatic evolution of the Lower Main Zone and Platreef on the northern limb of the Bushveld Complex as inferred from the Moordkopje drill core

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APPENDIX B: Petrography and modal mineralogy of samples as determined by point-counting using a mechanical stage (n=200).

Depth (m)	Plagioclase	Orthopyroxene	Clinopyroxene	Olivine	Inverted pigeonite	Quartz	Amphibole	Biotite	Altered plagioclase	Talc	Serpentine	Chlorite	Opaques	Other[†]	Grain size (mm)			Texture	Lithology
															Plag	Opx	Ol		
1901	52.5	17.0	27.0	-	-	<0.5	2.0	1.0	-	-	-	-	<0.5	-	4.4			Intergranular	Gabbronorite
1910.2	77.5	8.5	8.0	-	-	4.0	0.5	<0.5	0.5	-	-	-	0.5	-	4.5			Intergranular	Leucogabbronorite
1919.31[§]	53.0	17.5	28.0	-	-	<0.5	0.5	0.5	-	-	-	-	<0.5	-	5.1			Intergranular	Gabbronorite
1928.26	65.5	11.0	19.5	-	-	-	1.5	0.5	1.5	<0.5	-	-	<0.5	<0.5	6.6			Intergranular	Leucogabbronorite
1937.28	60.0	14.5	22.0	-	-	0.5	1.0	<0.5	1.5	-	-	-	<0.5	-	5.1			Intergranular	Gabbronorite
1946.18	58.0	9.5	31.5	-	-	0.5	<0.5	<0.5	<0.5	-	-	-	<0.5	-	4.9			Intergranular	Gabbronorite
1955.03	58.0	17.0	21.0	-	-	0.5	1.5	<0.5	1.5	-	-	-	<0.5	-	5.7			Intergranular	Gabbronorite
1963.72	64.0	14.5	15.5	-	-	1.5	1.0	0.5	2.5	-	-	-	<0.5	-	5.6			Intergranular	Leucogabbronorite
1970.02	82.5	5.0	4.5	-	-	1.0	2.0	0.5	4.0	-	-	-	<0.5	-	2.9			Ophitic	Leucogabbronorite
1973.29	80.0	-	16.5	-	1.0	0.5	-	-	0.5	-	-	-	1.0	0.5	5.1			Ophitic	Leucogabbro
1974.7	71.0	10.0	11.0	-	-	<0.5	5.0	1.0	<0.5	1.5	-	<0.5	<0.5	<0.5	5.6			Intergranular to ophitic	Leucogabbronorite
1980.66	89.5	0.5	2.5	-	-	2.0	2.0	-	3.0	-	-	-	<0.5	-	4.0			Intergranular	Anorthosite
1981.52	60.0	9.5	27.5	-	-	-	0.5	0.5	2.0	-	-	-	-	-	2.6			Intergranular to subophitic	Gabbronorite
1984.4	69.0	12.0	12.0	-	-	2.5	2.0	0.5	1.5	-	-	<0.5	<0.5	<0.5	1.9			Intergranular to subophitic	Leucogabbronorite
1986.11	74.5	8.0	16.0	-	-	-	0.5	0.5	<0.5	-	-	-	<0.5	-	4.2			Intergranular to ophitic	Leucogabbronorite
1997.51	26.5	34.5	33.0	-	-	2.0	2.5	1.0	<0.5	-	-	-	<0.5	-	3.5			Intergranular	Quartz melagabbonorite
2001	74.0	3.5	14.5	-	-	1.0	<0.5	2.0	4.5	-	-	-	<0.5	-	4.3			Intergranular	Leucogabbro
2010.98	72.5	4.5	11.0	-	-	1.5	2.0	2.0	6.0	-	-	-	<0.5	-	4.9			Intergranular	Leucogabbro
2017	53.5	16.0	24.0	-	-	1.0	1.5	0.5	3.0	-	-	-	<0.5	-	4.2			Intergranular	Gabbronorite

Depth (m)	Plagioclase	Orthopyroxene	Clinopyroxene	Olivine	Inverted pigeonite	Quartz	Amphibole	Biotite	Altered plagioclase	Talc	Serpentine	Chlorite	Opaques	Other†	Grain size (mm)			Texture	Lithology
															Plag	Opx	Ol		
2025.7	56.5	16.0	22.0	-	-	1.0	1.0	1.0	1.5	0.5	-	-	<0.5	-	3.4			Intergranular	Gabbronorite
2036.61	51.5	23.5	20.0	-	-	1.5	<0.5	0.5	2.0	0.5	-	<0.5	<0.5	<0.5	3.7			Intergranular	Gabbronorite
2045.34	52.0	17.5	26.0	-	-	1.0	<0.5	1.0	2.0	-	-	-	<0.5	-	4.7			Intergranular	Gabbronorite
2054.56	60.0	14.0	18.5	-	-	-	1.0	1.0	4.0	-	-	1.0	<0.5	-	3.8			Intergranular	Leucogabbronorite
2063.66	68.5	7.0	21.0	-	-	<0.5	0.5	<0.5	2.5	<0.5	-	<0.5	<0.5	<0.5	4.5			Intergranular	Leucogabbronorite
2069.82	83.0	2.0	5.5	-	-	1.0	2.5	2.5	0.5	2.0	-	<0.5	0.5	-	4.0			Intergranular to ophitic	Leucogabbronorite
2072.36	79.5	3.5	11.0	-	-	0.5	1.5	1.0	2.0	<0.5	-	-	0.5	-	4.4			Intergranular	Leucogabbro
2081.35	74.0	10.5	7.0	-	-	1.0	2.5	1.0	3.5	<0.5	-	-	<0.5	-	4.0			Intergranular	Leucogabbronorite
2088.68	53.0	16.0	26.5	-	-	1.5	<0.5	1.0	1.5	-	-	-	<0.5	-	4.3			Intergranular	Gabbronorite
2097.43	61.5	14.5	16.0	-	-	0.5	3.5	1.0	2.5	-	-	-	<0.5	<0.5	5.0			Intergranular	Leucogabbronorite
2108.08	69.0	15.0	11.0	-	-	2.5	0.5	<0.5	1.5	-	-	-	<0.5	-	5.2			Intergranular	Leucogabbronorite
2115.7	62.0	14.0	19.5	-	-	1.5	0.5	<0.5	2.0	-	-	-	<0.5	-	3.5			Intergranular	Leucogabbronorite
2124.28	72.5	9.5	12.0	-	-	1.0	1.5	1.0	2.0	<0.5	-	-	<0.5	-	4.6			Intergranular	Leucogabbronorite
2132.75	64.0	8.5	16.0	-	-	-	3.5	0.5	6.0	1.0	-	<0.5	<0.5	-	4.1			Intergranular	Leucogabbronorite
2141.45	65.5	6.5	26.0	-	-	0.5	1.0	<0.5	<0.5	-	-	-	<0.5	-	3.1			Intergranular	Leucogabbronorite
2150.15	66.5	14.0	16.5	-	-	1.5	0.5	<0.5	0.5	-	-	-	<0.5	-	3.7			Intergranular to subophitic	Leucogabbronorite
2160.3	89.5	-	2.0	-	-	<0.5	0.5	0.5	3.5	-	-	-	<0.5	3.5	3.8			Intergranular	Anorthosite
2169	70.0	15.0	12.5	-	-	1.0	<0.5	1.0	<0.5	<0.5	-	-	<0.5	-	4.8			Intergranular	Leucogabbronorite
2173.93	93.5	<0.5	3.0	-	-	0.5	<0.5	<0.5	2.0	-	-	-	0.5	<0.5	4.7			Ophitic	Anorthosite
2181.13	74.5	7.5	14.0	-	-	0.5	2.0	<0.5	1.0	-	-	-	<0.5	<0.5	3.7			Ophitic	Leucogabbronorite
2186.21	57.5	11.5	26.5	-	-	2.5	0.5	1.0	<0.5	-	-	<0.5	<0.5	-	6.3			Intergranular	Gabbronorite

Depth (m)	Plagioclase	Orthopyroxene	Clinopyroxene	Olivine	Inverted pigeonite	Quartz	Amphibole	Biotite	Altered plagioclase	Talc	Serpentine	Chlorite	Opaques	Other†	Grain size (mm)			Texture	Lithology
															Plag	Opx	Ol		
2194.61	72.0	7.0	13.5	-	-	1.5	1.5	1.5	1.5	-	-	0.5	<0.5	0.5	6.5			Intergranular	Leucogabbronorite
2203.56	72.5	17.0	5.0	-	-	2.0	1.0	1.0	1.0	<0.5	-	<0.5	<0.5	-	6.4			Intergranular	Leucogabbronorite
2212.63	56.0	27.0	12.0	-	-	2.5	0.5	1.5	<0.5	-	-	-	<0.5	-	5.3			Intergranular	Gabbronorite
2221.35	56.0	30.0	5.5	-	-	2.5	2.5	1.0	1.0	1.0	-	<0.5	<0.5	-	4.6			Intergranular	Gabbronorite
2230.33	62.5	28.0	5.0	-	-	2.0	1.5	<0.5	0.5	<0.5	-	<0.5	<0.5	-	3.4			Intergranular	Leucogabbronorite
2239.28	71.5	9.5	12.5	-	-	1.0	1.0	1.5	1.5	-	-	1.0	-	-	3.0			Intergranular	Leucogabbronorite
2247.76	90.0	5.0	1.0	-	-	2.0	1.5	<0.5	<0.5	-	-	-	<0.5	-	3.7			Intergranular to subophitic	Anorthosite
2256.51	63.0	29.5	5.5	-	-	1.0	0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	4.9			Subophitic	Gabbronorite
2265.21	91.5	<0.5	1.0	-	-	3.5	0.5	<0.5	3.0	<0.5	-	<0.5	<0.5	<0.5	4.1			Intergranular	Anorthosite
2272.78	93.5	4.5	0.5	-	-	-	0.5	-	0.5	-	-	-	<0.5	-	4.7			Ophitic	Anorthosite
2279.98	51.0	38.5	7.0	-	-	1.0	0.5	0.5	<0.5	1.0	-	-	<0.5	<0.5	5.2			Intergranular	Gabbronorite
2281.53	87.0	-	5.0	-	-	3.5	2.0	<0.5	1.5	-	-	0.5	<0.5	-	5.2			Ophitic	Anorthosite
2282.88	69.0	21.5	4.5	-	-	2.0	<0.5	<0.5	1.5	0.5	-	0.5	-	-	4.5			Subophitic	Leucogabbronorite
2290.5	73.5	1.0	20.5	-	-	2.0	1.0	0.5	1.0	-	-	-	<0.5	<0.5	6.0			Intergranular	Leucogabbro
2300.65	62.5	8.5	25.0	-	-	1.5	<0.5	1.0	1.0	-	-	<0.5	<0.5	-	5.5			Intergranular	Leucogabbronorite
2308.16	72.5	15.0	8.0	-	-	1.0	2.0	<0.5	<0.5	-	-	<0.5	1.0	<0.5	5.5			Intergranular	Leucogabbronorite
2317.2	64.5	10.0	22.0	-	-	1.5	<0.5	0.5	1.0	-	-	-	<0.5	<0.5	5.8			Intergranular	Leucogabbronorite
2330.7	66.0	17.0	14.5	-	-	1.0	<0.5	0.5	0.5	-	-	<0.5	<0.5	<0.5	5.4			Intergranular to subophitic	Leucogabbronorite
2342.62	68.5	6.5	19.5	-	-	1.5	1.0	2.0	0.5	-	-	<0.5	<0.5	-	6.9			Intergranular	Leucogabbronorite
2355.7	55.5	21.0	16.5	-	-	3.0	2.0	1.0	<0.5	-	-	-	0.5	-	6.9			Intergranular	Gabbronorite
2365.39	34.5	24.0	39.0	-	-	-	1.5	<0.5	0.5	-	-	<0.5	<0.5	<0.5	4.0			Intergranular	Gabbronorite

Depth (m)	Plagioclase	Orthopyroxene	Clinopyroxene	Olivine	Inverted pigeonite	Quartz	Amphibole	Biotite	Altered plagioclase	Talc	Serpentine	Chlorite	Opaques	Other†	Grain size (mm)			Texture	Lithology
															Plag	Opx	Ol		
2382.1	47.5	16.5	32.0	-	-	1.0	1.0	1.5	<0.5	<0.5	-	-	<0.5	-	4.6			Intergranular	Gabbronorite
2394.7	29.0	45.0	20.0	-	-	<0.5	3.5	2.0	<0.5	<0.5	-	<0.5	<0.5	-	6.1			Intergranular	Melagabbronorite
2399.5	33.0	29.0	30.5	-	-	<0.5	3.0	3.0	1.0	<0.5	-	-	<0.5	-	5.5			Intergranular	Gabbronorite
2408.2	36.0	34.5	26.0	-	-	0.5	<0.5	0.5	1.5	-	-	-	0.5	-	4.9			Intergranular	Gabbronorite
2417.7	69.5	26.5	1.0	-	-	1.0	<0.5	1.5	<0.5	-	-	-	<0.5	-	5.4			Intergranular to subophitic	Leuconorite
2425.7	76.0	13.0	8.5	-	-	2.0	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	-	5.0			Ophitic to poikilitic	Leucogabbronorite
2432.89	82.5	6.5	9.0	-	-	0.5	0.5	0.5	<0.5	-	-	-	<0.5	-	4.9			Ophitic	Leucogabbronorite
2442.6	84.5	6.0	7.5	-	-	0.5	<0.5	<0.5	1.0	-	-	<0.5	<0.5	-	4.0			Intergranular	Leucogabbronorite
2450.1	86.5	6.0	6.5	-	-	0.5	-	<0.5	<0.5	-	-	-	<0.5	-	4.8			Ophitic to poikilitic	Leucogabbronorite
2451.3	63.5	30.5	4.5	-	-	<0.5	0.5	0.5	<0.5	-	-	-	<0.5	-	2.3			Ophitic	Gabbronorite
2461.88	81.0	15.0	3.0	-	-	0.5	<0.5	<0.5	<0.5	-	-	<0.5	<0.5	<0.5	4.9			Ophitic	Leuconorite
2477.74	69.0	11.0	18.5	-	-	0.5	<0.5	0.5	<0.5	<0.5	-	<0.5	<0.5	-	5.3			Intergranular	Leucogabbronorite
2488.98	78.0	10.5	6.5	-	-	1.0	1.0	0.5	1.0	-	-	-	1.0	-	6.7			Intergranular to ophitic	Leucogabbronorite
2495.88	71.0	19.0	6.5	-	-	0.5	0.5	0.5	0.5	-	-	-	1.0	-	4.9			Intergranular	Leucogabbronorite
2505.28	61.5	29.0	8.0	-	-	0.5	<0.5	0.5	<0.5	-	-	<0.5	<0.5	-	4.6			Intergranular to subophitic	Gabbronorite
2508.78	91.5	5.5	0.5	-	-	0.5	1.0	<0.5	0.5	-	-	-	<0.5	-	3.7			Ophitic	Anorthosite
2516.2	79.0	7.0	6.5	-	-	0.5	2.0	2.0	1.5	1.0	-	<0.5	<0.5	-	4.5			Intergranular	Leucogabbronorite
2527.7	57.0	10.5	20.0	-	-	1.5	7.5	1.5	1.5	-	-	-	<0.5	-	4.9			Intergranular	Gabbronorite
2536.7	71.0	7.5	18.5	-	-	1.0	1.0	<0.5	0.5	-	-	-	<0.5	-	4.5			Intergranular	Leucogabbronorite
2547.91	64.0	16.5	17.0	-	-	<0.5	1.0	1.0	<0.5	-	-	<0.5	<0.5	-	4.3			Intergranular	Leucogabbronorite

Depth (m)	Plagioclase	Orthopyroxene	Clinopyroxene	Olivine	Inverted pigeonite	Quartz	Amphibole	Biotite	Altered plagioclase	Talc	Serpentine	Chlorite	Opaques	Other†	Grain size (mm)			Texture	Lithology
															Plag	Opx	Ol		
2555.52	76.0	8.0	10.0	-	-	<0.5	2.5	1.0	1.0	-	-	1.0	<0.5	-	5.3			Intergranular	Leucogabbronorite
2577.02	85.0	9.0	4.0	-	-	-	-	0.5	1.0	-	-	-	<0.5	-	3.1			Intergranular to ophitic	Leuconorite
2582.48	67.5	14.0	12.0	-	-	1.5	2.5	0.5	1.5	<0.5	-	-	<0.5	-	3.7			Intergranular	Leucogabbronorite
2591.7	84.5	5.0	4.5	-	-	2.0	0.5	2.0	1.0	-	-	-	<0.5	-	5.3			Intergranular	Leucogabbronorite
2600.7	68.0	13.0	14.5	-	-	0.5	2.0	0.5	1.0	-	-	<0.5	<0.5	<0.5	4.4			Intergranular	Leucogabbronorite
2609.7	78.5	10.0	6.0	-	-	1.0	1.5	1.0	1.5	-	-	-	<0.5	-	3.8			Intergranular	Leucogabbronorite
2616.66	81.0	3.0	9.5	-	-	0.5	0.5	1.0	2.0	<0.5	-	0.5	1.5	<0.5	3.7			Intergranular to ophitic	Leucogabbro
2625.7‡	84.5	3.0	4.5	-	-	2.0	1.0	2.0	2.5	<0.5	-	<0.5	<0.5	<0.5	3.1			Intergranular to ophitic	Leucogabbronorite
2634.7	82.0	6.5	10.5	-	-	<0.5	<0.5	<0.5	0.5	-	-	-	<0.5	<0.5	4.0			Intergranular to subophitic	Leucogabbronorite
2643.7	83.5	4.0	5.5	-	-	1.0	1.0	1.5	2.5	<0.5	-	<0.5	<0.5	0.5	4.3			Intergranular to subophitic	Leucogabbro
2651.7‡	See Appendix C														3.4			Intergranular to poikilophitic	Leucogabbro
2653.7	See Appendix C														2.6			Altered	Gabbroid
2662.7	77.5	11.5	3.5	-	-	1.0	2.0	2.5	1.5	-	-	<0.5	<0.5	-	3.6			Ophitic	Leuconorite
2671.7	See Appendix C														3.3			Ophitic	Anorthosite
2687.61	68.0	12.0	16.5	-	-	1.0	0.5	<0.5	1.0	-	-	-	0.5	-	3.4			Intergranular	Leucogabbronorite
2696.44	74.5	12.0	7.0	-	-	0.5	2.5	0.5	1.5	1.0	-	<0.5	<0.5	-	6.7			Intergranular	Leucogabbronorite
2708.34	79.5	6.5	6.0	-	-	3.5	1.5	<0.5	2.0	0.5	-	<0.5	<0.5	<0.5	6.5			Intergranular	Leucogabbronorite
2714.44	76.5	3.0	13.5	-	-	1.0	3.5	<0.5	1.0	<0.5	-	<0.5	<0.5	1.0	5.5			Intergranular	Leucogabbro

Depth (m)	Plagioclase	Orthopyroxene	Clinopyroxene	Olivine	Inverted pigeonite	Quartz	Amphibole	Biotite	Altered plagioclase	Talc	Serpentine	Chlorite	Opaques	Other[†]	Grain size (mm)			Texture	Lithology
															Plag	Opx	Ol		
2731.7	76.0	3.5	12.5	-	-	2.0	1.0	0.5	4.0	<0.5	-	<0.5	<0.5	<0.5	5.0			Intergranular to poikilitic	Leucogabbro
2740.7	64.5	15.0	16.0	-	-	0.5	1.5	<0.5	1.0	-	-	1.0	<0.5	-	3.7			Interstitial to intergranular	Leucogabbronorite
2749.7	69.5	14.5	9.5	-	-	1.0	2.0	1.5	1.5	<0.5	-	<0.5	<0.5	<0.5	3.8			Intergranular to ophitic	Leucogabbronorite
2755.7	75.5	9.0	10.5	-	-	1.5	1.5	1.0	0.5	<0.5	-	-	<0.5	<0.5	2.7			Intergranular to ophitic	Leucogabbronorite
2765.53[‡]	85.0	9.0	-	-	-	2.0	1.0	0.5	1.5	-	-	<0.5	<0.5	0.5	4.0			Ophitic	Leuconorite
2777.54	72.5	23.5	1.0	-	-	<0.5	1.0	0.5	0.5	0.5	-	<0.5	<0.5	-	4.4			Ophitic	Leuconorite
2783.54	66.5	8.5	18.0	-	-	3.0	1.0	1.0	1.5	-	-	<0.5	<0.5	-	4.2			Intergranular	Leucogabbronorite
2795.54	51.0	23.0	23.0	-	-	0.5	1.0	0.5	<0.5	-	-	-	0.5	-	4.4			Intergranular	Gabbronorite
2801.54	54.5	22.0	16.5	-	-	0.5	3.0	2.0	1.0	<0.5	-	<0.5	<0.5	-	4.3			Intergranular	Gabbronorite
2809.7	74.5	16.0	4.5	-	-	0.5	1.0	2.5	0.5	-	-	-	<0.5	-	4.4			Ophitic	Leucogabbronorite
2818.03	73.5	15.5	2.5	-	-	4.0	1.0	1.5	1.5	<0.5	-	<0.5	<0.5	-	4.2			Intergranular to subophitic	Leuconorite
2829.7	75.0	8.5	9.5	-	-	2.0	1.0	0.5	1.0	-	-	0.5	1.5	<0.5	5.7			Intergranular to ophitic	Leucogabbronorite
2835.8[§]	68.5	2.0	13.0	-	-	1.5	10.5	0.5	1.0	-	-	2.0	0.5	<0.5	4.9			Ophitic	Leucogabbronorite
2840.08	71.5	13.0	6.5	-	-	2.5	2.0	2.0	0.5	-	-	<0.5	1.5	-	5.2			Ophitic	Leucogabbronorite
2845.75	89.5	<0.5	1.0	-	-	1.5	2.5	1.0	4.0	<0.5	-	-	<0.5	-	5.2			Interstitial to ophitic	Anorthosite
2853.7	59.5	16.0	19.0	-	-	0.5	1.0	1.5	2.0	-	-	<0.5	<0.5	-	5.2			Intergranular	Gabbronorite
2869.58	43.0	22.0	30.5	-	-	1.0	1.0	1.5	0.5	-	-	-	<0.5	-	5.0			Intergranular	Gabbronorite
2881.65	52.0	28.5	13.0	-	-	0.5	1.0	1.5	3.0	-	-	<0.5	<0.5	-	4.3			Intergranular	Gabbronorite

Depth (m)	Plagioclase	Orthopyroxene	Clinopyroxene	Olivine	Inverted pigeonite	Quartz	Amphibole	Biotite	Altered plagioclase	Talc	Serpentine	Chlorite	Opaques	Other[†]	Grain size (mm)			Texture	Lithology
															Plag	Opx	Ol		
2890.7[‡]	85.0	1.5	2.5	-	-	2.5	0.5	1.0	5.5	-	-	<0.5	1.0	-	4.9			Ophitic	Leucogabbronorite
2899.7	76.0	10.5	5.5	-	-	1.0	2.0	0.5	4.0	-	-	<0.5	<0.5	-	5.7			Intergranular to subophitic	Leucogabbronorite
2908.7	80.0	7.5	4.0	-	-	3.5	0.5	1.5	1.5	-	-	-	1.0	-	4.6			Intergranular to subophitic	Leuconorite
2917.7	80.0	8.0	7.5	-	-	<0.5	1.0	1.0	2.0	<0.5	-	-	<0.5	-	3.5			Intergranular	Leucogabbronorite
2926.7	78.0	9.0	6.0	-	-	2.0	0.5	1.0	2.5	-	-	-	0.5	-	5.5			Intergranular	Leucogabbronorite
2935.7	54.0	19.0	21.0	-	-	0.5	1.5	0.5	2.5	-	-	<0.5	0.5	<0.5	3.8			Intergranular	Gabbronorite
2944.7	52.0	20.5	23.0	-	-	1.5	0.5	1.0	1.0	-	-	<0.5	<0.5	-	4.5			Intergranular	Gabbronorite
2950.7	53.0	14.0	24.5	-	-	<0.5	0.5	<0.5	7.5	<0.5	-	<0.5	<0.5	-	3.0			Intergranular	Gabbronorite
2959.7	70.5	16.0	6.5	-	-	1.5	<0.5	1.0	4.0	-	-	-	<0.5	-	4.7			Poikilophitic	Leucogabbronorite
2968.7	68.5	13.0	11.5	-	-	1.5	0.5	1.5	2.0	1.0	-	<0.5	<0.5	-	4.7			Subophitic to ophitic	Leucogabbronorite
2977.7	70.0	12.0	11.5	-	-	<0.5	<0.5	3.0	3.0	<0.5	-	<0.5	<0.5	-	4.5			Poikilophitic	Leucogabbronorite
2986.7	61.0	21.0	13.5	-	-	<0.5	<0.5	1.5	2.5	-	-	<0.5	<0.5	<0.5	4.0			Poikilophitic	Gabbronorite
2995.7	86.0	9.5	0.5	-	-	1.0	<0.5	1.0	1.5	-	-	<0.5	<0.5	-	3.6			Subophitic	Leuconorite
3003.7	See Appendix C														17.1			Pegmatoidal	Pegmatoid
3012.7	54.5	12.5	22.5	-	-	-	3.5	-	6.0	0.5	-	<0.5	<0.5	<0.5	3.0			Ophitic	Gabbronorite
3020.44	See Appendix C														4.5			Intergranular	Gabbronorite
3030.7	54.5	15.0	22.0	-	-	1.0	2.5	0.5	3.5	<0.5	-	<0.5	0.5	-	4.2			Intergranular	Gabbronorite
3040.7	See Appendix C														3.9			Intergranular to subophitic	Gabbronorite
3049.7	61.0	8.5	13.5	-	-	1.0	4.5	-	8.0	1.5	-	1.0	0.5	-	5.3			Intergranular	Leucogabbronorite
3055.7	70.0	3.0	6.5	-	-	8.5	3.5	0.5	6.5	0.5	-	<0.5	0.5	-	5.2			Intergranular	Quartz leucogabbronorite

Depth (m)	Plagioclase	Orthopyroxene	Clinopyroxene	Olivine	Inverted pigeonite	Quartz	Amphibole	Biotite	Altered plagioclase	Talc	Serpentine	Chlorite	Opaques	Other†	Grain size (mm)			Texture	Lithology
															Plag	Opx	Ol		
3063.7	73.0	12.0	6.0	-	-	1.5	1.5	1.0	3.0	<0.5	-	<0.5	<0.5	1.5	4.9			Intergranular to subophitic	Leucogabbronorite
3067.51	See Appendix C														3.9			Altered	Xenolith in gabbroid
3073.7	63.5	8.5	15.0	-	-	1.0	2.0	1.0	8.0	-	-	<0.5	0.5	<0.5	4.6			Intergranular	Leucogabbronorite
3082.7	46.0	28.0	13.5	-	-	1.5	4.0	0.5	4.0	-	-	2.0	<0.5	<0.5	4.6			Intergranular to subophitic	Gabbronorite
3091.7	62.0	14.5	13.0	-	-	0.5	<0.5	<0.5	8.5	-	-	0.5	0.5	-	4.3			Intergranular to ophitic	Leucogabbronorite
3100.7	61.0	13.0	19.0	-	-	0.5	0.5	<0.5	5.0	0.5	-	<0.5	<0.5	-	5.1			Intergranular	Leucogabbronorite
3109.7	57.5	14.5	22.0	-	-	<0.5	1.5	0.5	3.0	-	-	<0.5	0.5	-	6.2			Intergranular	Leucogabbronorite
3128.7	64.0	1.5	24.5	-	1.5	0.5	4.5	<0.5	2.0	-	-	1.0	<0.5	<0.5	5.5			Intergranular	Leucogabbro
3137.7	58.5	27.0	5.5	-	-	2.0	1.0	0.5	5.0	-	-	<0.5	<0.5	-	5.8			Intergranular to ophitic	Leucogabbronorite
3146.7	See Appendix C														3.3			Ophitic	Gabbronorite
3155.7	60.5	9.5	25.0	-	-	<0.5	<0.5	<0.5	4.5	-	-	<0.5	<0.5	-	4.3			Poikilophitic	Gabbronorite
3164.7	70.0	10.5	6.5	-	-	1.5	2.5	3.5	3.5	-	-	1.5	<0.5	-	4.5			Intergranular to subophitic	Leucogabbronorite
3173.7	69.0	4.5	18.0	-	-	0.5	1.0	<0.5	5.5	-	-	1.0	<0.5	-	4.8			Ophitic	Leucogabbronorite
3182.7	68.5	11.0	3.5	-	-	3.0	0.5	0.5	12.5	-	-	<0.5	<0.5	<0.5	6.5			Intergranular to poikilophitic	Leuconorite
3191.7	59.0	15.0	16.5	-	-	1.0	-	0.5	7.5	<0.5	-	<0.5	<0.5	-	6.5			Poikilophitic	Leucogabbronorite
3200.7	58.0	11.0	25.0	-	-	0.5	0.5	<0.5	4.5	-	-	<0.5	<0.5	-	4.2			Ophitic	Gabbronorite
3209.7	52.5	12.5	21.5	-	-	0.5	<0.5	<0.5	12.0	0.5	-	-	<0.5	-	5.5			Ophitic to poikilophitic	Gabbronorite
3215.7	43.5	24.5	3.5	-	1.0	1.0	-	<0.5	25.0	<0.5	-	0.5	0.5	<0.5		7.7		Subophitic to ophitic	Leuconorite

Depth (m)	Plagioclase	Orthopyroxene	Clinopyroxene	Olivine	Inverted pigeonite	Quartz	Amphibole	Biotite	Altered plagioclase	Talc	Serpentine	Chlorite	Opaques	Other[†]	Grain size (mm)			Texture	Lithology
															Plag	Opx	Ol		
3220.7	0.5	59.5	7.5	-	-	-	2.5	<0.5	20.0	4.0	-	0.5	5.0	<0.5		9.6		Granular	Melagabbronorite
3230.7	See Appendix C															4.8		Subhedral granular	Melagabbronorite
3232.7	See Appendix C																1.4	Subhedral granular	Altered ultramafic
3240.7	2.5	72.5	10.5	-	-	<0.5	1.0	0.5	5.5	<0.5	-	-	7.0	-		14		Subhedral granular	Websterite
3245.7	<0.5	88.0	6.5	-	-	-	-	<0.5	1.0	-	-	-	4.0	-		9.3		Subhedral granular	Orthopyroxenite
3258.2[‡*]	See Appendix C																	Ophitic (?)	Leucogabbronorite
3261.7	8.0	78.0	5.5	-	-	-	2.5	<0.5	2.5	2.0	-	0.5	0.5	-		7.1		Granular	Melagabbronorite
3278.7	7.0	65.0	6.0	-	-	-	<0.5	<0.5	19.0	2.5	-	<0.5	<0.5	-		4.0		Granular	Melagabbronorite
3284.7	9.0	45.0	1.0	24.0	-	-	-	<0.5	2.0	0.5	13.0	-	5.0	-		8.0		Granular	Olivine melagabbronorite
3297.7	See Appendix C															5.4		Granular	Melagabbronorite
3305.7	-	39.0	0.5	32.0	-	-	2.0	-	-	-	18.0	-	8.0	-		8.9		Granular to poikilitic	Harzburgite
3314.7	3.5	63.5	15.5	-	-	-	14.5	-	2.0	0.5	-	-	<0.5	-		7.5		Granular to poikilitic	Websterite
3328.7	-	47.0	28.5	-	-	-	-	<0.5	21.0	-	-	-	3.0	-		6.8		Poikilitic	Melagabbronorite
3353.7	18.0	39.0	5.5	-	-	6.0	<0.5	<0.5	31.0	-	-	-	<0.5	-		4.7		Granular & micrographic	Hybridised gabbronorite
3353.7	21.5	71.5	2.0	-	-	-	1.0	<0.5	3.0	-	-	-	0.5	-		1.1		Granular	Melanorite
3369.54	15.0	29.0	3.5	-	-	9.5	1.0	0.5	39.0	1.5	-	<0.5	0.5	-		2.3		Granular & micrographic	Hybridised norite
3375.24	34.5	29.5	2.0	-	-	5.5	<0.5	0.5	27.5	-	-	-	<0.5	-		3.1		Vari-textured	Hybridised leuconorite

Depth (m)	Plagioclase	Orthopyroxene	Clinopyroxene	Olivine	Inverted pigeonite	Quartz	Amphibole	Biotite	Altered plagioclase	Talc	Serpentine	Chlorite	Opaques	Other†	Grain size (mm)			Texture	Lithology
															Plag	Opx	Ol		
3389.04	17.5	42.5	27.5	-	-	0.5	-	<0.5	10.0	-	-	-	1.5	-	1.2			Intergranular	Melagabbronorite
3393.7	See Appendix C														Fine to medium-grained			Granular	Gabbroid
3405.7	See Appendix C														Fine to medium-grained			Granular	Granitoid
3422.7	See Appendix C														2.9			Granular	Gabbronorite
3425.7	See Appendix C														Fine to medium-grained			Inequigranular	Granite
3436.2	See Appendix C														Fine to medium-grained			Inequigranular	Granite

Notes:

† Minerals included under "Other" include calcite, micas other than biotite, apatite and unidentified minerals.

§ See Appendix C for X-Ray Diffraction data.

‡ Samples classified macroscopically because of thin sections not being representative of the bulk samples.

* Sample was too altered for the measurement of original grain sizes.

All depths are calculated and reported relative to the Upper Zone-Main Zone boundary.