APPENDIX 6

EPMA analyses of plagioclase of the mafic plutonic rocks and calculated cation numbers

Sample no.	Olivine gabbro (HNT1)							Gabbro (HGT2)				Norite (HK5)				Quartz norite (N1)				
SiO_2	47.48	53.45	49.90	50.53	48.94	48.58	49.70	57.90	55.44	53.13	57.83	53.49	53.44	53.33	53.34	48.42	50.20	53.60	50.80	52.04
TiO_2	0.00	0.00	0.06	0.00	0.03	0.03	0.06	0.06	0.02	0.06	0.00	0.07	0.03	0.07	0.06	0.00	0.00	0.10	0.06	0.06
Al_2O_3	33.30	29.80	32.64	32.64	32.65	32.39	32.40	26.60	27.45	29.64	26.45	29.82	30.34	30.15	29.48	31.41	32.60	28.30	30.42	27.79
FeO	0.16	0.06	0.11	0.11	0.50	0.19	0.17	0.35	0.58	0.90	0.10	0.04	0.00	0.00	0.10	0.12	0.10	0.05	0.10	0.15
MnO	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.39	0.54	0.76	0.00	0.02	0.00	0.00	0.00
MgO	0.01	0.01	0.00	0.00	0.01	0.02	0.00	0.00	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00
CaO	17.52	12.65	15.86	15.04	16.23	15.92	15.90	8.42	9.89	11.93	8.67	12.08	12.06	12.24	12.40	14.86	11.50	11.00	13.57	10.69
Na_2O	1.78	4.44	2.76	3.14	2.48	2.49	2.93	6.82	5.55	4.82	6.37	4.82	5.04	4.67	4.77	2.91	4.50	5.25	4.07	5.52
K_2O	0.01	0.08	0.04	0.02	0.03	0.05	0.04	0.02	0.02	0.14	0.23	0.08	0.12	0.10	0.09	0.08	0.07	0.16	0.08	0.12
Total	100.27	101.03	101.39	101.48	100.88	99.68	99.58	99.20	99.33	100.63	99.67	100.80	101.42	101.10	101.00	97.80	99.08	98.43	99.12	98.37
Number of cations on the basis of 8 Oxygens																				
Si	2.177	2.402	2.250	2.271	2.226	2.231	2.248	2.590	2.515	2.400	2.597	2.406	2.391	2.394	2.403	2.262	2.296	2.458	2.334	2.480
Ti	0.000	0.000	0.000	0.001	0.001	0.002	0.002	0.002	0.001	0.002	0.000	0.002	0.001	0.002	0.002	0.000	0.000	0.003	0.002	0.002
Al	1.800	1.579	1.735	1.729	1.750	1.754	1.729	1.402	1.468	1.579	1.400	1.581	1.600	1.595	1.565	1.729	1.759	1.531	1.647	1.503
Fe	0.006	0.023	0.004	0.004	0.019	0.007	0.006	0.013	0.022	0.034	0.004	0.002	0.000	0.000	0.004	0.005	0.004	0.002	0.004	0.006
Mn	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.015	0.015	0.021	0.029	0.000	0.001	0.001	0.001
Mg	0.001	0.001	0.000	0.000	0.001	0.001	0.000	0.000	0.014	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000
Ca	0.861	0.609	0.766	0.724	0.791	0.783	0.772	0.404	0.481	0.578	0.417	0.582	0.578	0.589	0.598	0.744	0.564	0.540	0.688	0.526
Na	0.158	0.387	0.241	0.274	0.219	0.222	0.257	0.591	0.488	0. 422	0.555	0.420	0.437	0.406	0.417	0.264	0.399	0.467	0.363	0.491
K	0.001	0.005	0.002	0.001	0.002	0.003	0.002	0.001	0.012	0.008	0.013	0.005	0.007	0.006	0.005	0.005	0.005	0.004	0.005	0.007
Total	5.003	5.004	5.002	5.002	5.008	5.003	5.016	5.003	5.000	5.023	4.987	5.013	5.030	5.012	5.023	5.008	5.026	5.011	5.024	5.015