

Appendix 1 Table 7

Table 7. Representative microprobe data for feldspar grains in samples VMLK 11-22.

Weight% Oxides

Sample 11-22 C3 F1P1 11-22 C3 F1P2 11-22 C2 F1P1 11-22 C2 F1P2

SiO2	61.94	61.53	64.37	64.20
TiO2	0.01	0.00	0.00	0.02
Al2O3	24.88	25.65	19.02	18.93
FeO	0.04	0.06	0.01	0.00
MgO	0.00	0.00	0.00	0.00
CaO	6.13	6.44	0.02	0.03
Na2O	7.62	7.00	1.00	1.15
K2O	0.20	0.21	14.58	14.86
Total	100.84	100.93	99.22	99.53

Cations per 8 Oxygens

Si	2.06	2.05	2.14	2.14
Ti	0.00	0.00	0.00	0.00
Al	0.73	0.75	0.56	0.56
Fe	0.00	0.00	0.00	0.00
Mg	0.00	0.00	0.00	0.00
Ca	0.11	0.11	0.00	0.00
Na	0.12	0.11	0.02	0.02
K	0.00	0.00	0.15	0.16
Total	3.03	3.03	2.87	2.87

Albite/Anorthite/Potassium composition

X na	0.68	0.65	0.09	0.10
X ca	0.30	0.33	0.00	0.00
X k	0.01	0.01	0.90	0.89

11-22 C2 F2P1 11-22 C2 F2P2 11-22 C2 F1P1

63.78	64.13	63.91
0.05	0.01	0.00
18.76	18.89	17.99
0.01	0.01	0.03
0.00	0.01	0.02
0.01	0.01	0.02
0.77	1.06	0.65
15.47	14.71	14.60
99.27	99.11	97.43

2.12	2.13	2.13
0.00	0.00	0.00
0.55	0.56	0.53
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.01	0.02	0.01
0.16	0.16	0.16
2.85	2.86	2.82

0.07	0.10	0.06
0.00	0.00	0.00
0.93	0.90	0.93