

Appendix 1 Table 3

Table 3. Representative microprobe data for feldspar grains in sample VMEC 11-2.

Weight% Oxides

Sample: VMEC11-2C1F1-1 VMEC11-2C1F2-2 VMEC11-2C2F1-3

| | | | |
|--------------------------------|-------|-------|--------|
| SiO ₂ | 60.94 | 60.68 | 60.68 |
| TiO ₂ | 0.00 | 0.00 | 0.04 |
| Al ₂ O ₃ | 25.39 | 25.88 | 25.67 |
| FeO | 0.06 | 0.07 | 0.04 |
| MgO | 0.00 | 0.00 | 0.01 |
| CaO | 6.63 | 6.92 | 6.89 |
| Na ₂ O | 5.81 | 6.12 | 6.87 |
| K ₂ O | 0.47 | 0.21 | 0.21 |
| Total | 99.30 | 99.89 | 100.41 |

Cations per 8 Oxygens

| | | | |
|-------|------|------|------|
| Si | 2.03 | 2.02 | 2.02 |
| Ti | 0.00 | 0.00 | 0.00 |
| Al | 0.75 | 0.76 | 0.76 |
| Fe | 0.00 | 0.00 | 0.00 |
| Mg | 0.00 | 0.00 | 0.00 |
| Ca | 0.12 | 0.12 | 0.12 |
| Na | 0.09 | 0.10 | 0.11 |
| K | 0.01 | 0.00 | 0.00 |
| Total | 2.99 | 3.01 | 3.01 |

Albite/Anorthite/Potassium composition

| | | | |
|------|------|------|------|
| X na | 0.59 | 0.61 | 0.64 |
| X ca | 0.37 | 0.38 | 0.35 |
| X k | 0.03 | 0.01 | 0.01 |

VMEC11-2C3F1-4 VMEC11-2C3F2-5

| | |
|--------|-------|
| 60.53 | 60.91 |
| 0.00 | 0.02 |
| 26.16 | 24.80 |
| 0.02 | 0.04 |
| 0.02 | 0.02 |
| 7.09 | 6.70 |
| 6.45 | 6.66 |
| 0.19 | 0.19 |
| 100.44 | 99.33 |

| | |
|------|------|
| 2.01 | 2.03 |
| 0.00 | 0.00 |
| 0.77 | 0.73 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.13 | 0.12 |
| 0.10 | 0.11 |
| 0.00 | 0.00 |
| 3.02 | 2.99 |

| | |
|------|------|
| 0.61 | 0.63 |
| 0.37 | 0.35 |
| 0.01 | 0.01 |