

APPENDIX 10

EPMA analyses of white mica from the metamorphic rocks and calculated cation numbers

Sample no.	Garnet hornfels (A5)		
SiO ₂	48.43	47.98	47.43
TiO ₂	0.16	0.07	0.16
Al ₂ O ₃	37.52	37.44	37.55
FeO	0.00	0.20	0.15
MnO	0.00	0.49	1.60
MgO	0.53	0.35	0.41
CaO	0.00	0.02	0.02
Na ₂ O	2.49	2.00	1.79
K ₂ O	7.59	8.72	8.89
Total	96.72	97.67	98.00
Number of cations on the basis of 22 oxygens			
Si	3.110	3.080	3.050
Ti	0.010	0.000	0.010
Al	2.840	2.830	2.850
Fe	0.000	0.050	0.010
Mn	0.000	0.030	0.040
Mg	0.050	0.030	0.040
Ca	0.000	0.000	0.000
Na	0.310	0.250	0.220
K	0.620	0.710	0.730
Total	6.93	6.980	6.990