

TABLE S2								
	XRF-derived bulk composition*				Pseudosection input			
	tonalitic gneiss	tonalitic gneiss	tonalitic gneiss	tonalitic gneiss	tonalitic gneiss	tonalitic gneiss	tonalitic gneiss	tonalitic gneiss
	03-116	03-129	03-148	03-173	03-116	03-129	03-148	03-173
SiO₂	60.18	61.81	62.08	59.55	59.880	61.597	62.343	59.183
TiO₂	0.89	0.71	0.47	1.00	0.886	0.708	0.472	0.994
Al₂O₃	15.41	16.77	15.43	15.84	15.333	16.712	15.495	15.742
FeO	7.44	5.81	5.64	8.32	7.403	5.790	5.664	8.269
O₂	-	-	-	-	0.082	0.064	0.063	0.092
MnO	0.13	0.10	0.11	0.16	0.129	0.100	0.110	0.159
MgO	4.39	3.14	4.23	3.57	4.368	3.129	4.248	3.548
CaO	6.04	5.91	5.53	7.17	5.774	5.548	5.382	6.929
Na₂O	3.41	4.35	3.16	3.07	3.393	4.335	3.173	3.051
K₂O	1.76	1.02	2.04	1.04	1.751	1.016	2.049	1.034
P₂O₅	0.18	0.26	0.13	0.15	-	-	-	-
H₂O	-	-	-	-	1.000	1.000	1.000	1.000
CO₂	-	-	-	-	0.000	0.000	0.000	0.000
Total	99.82	99.88	98.83	99.87	100.000	100.000	100.000	100.000

*Data collected at Washington State University Geoanalytical Lab, Pullman, WA on a ThermoARL Advant'XP+ sequential X-ray fluorescence spectrometer.