

APPENDIX 5

Zircon saturation temperatures for biotite-muscovite granites in the Strzelin Massif compared to biotite granites and tonalites cut by Bt-Ms granite dykes

	Biotite-muscovite granites								Biotite granite				Tonalite, diorite		
	Gromnik	Gębczyce		Górka	Strzelin Quarry			Gęsiniec Q.	Strzelin 1 Quarry				Gęsiniec Quarry		
	GR-2 272	GW-1 88	GK	GOR	300 II-1	STIN 1	STIN 2	210	STR 2	300 V	STR 3	STIN 3	GT9	5GT	4GT
SiO ₂	74.75	74.98	75.5	74.42	76.46	76.00	76.3	75.67	74.69	73.90	72.02	73.00	57.52	55.20	53.50
Al ₂ O ₃	12.86	12.49	13.45	13.72	12.36	13.40	13.50	13.61	12.79	13.40	13.86	14.05	17.68	16.45	17.95
Fe ₂ O ₃	1.46	0.96	1.39	1.27	0.71	0.46	0.49	0.69	1.72	1.74	2.45	1.74	7.22	8.32	8.64
MgO	0.36	0.14	0.18	0.19	0.09	0.08	0.08	0.13	0.19	0.19	0.54	0.36	3.36	4.47	4.37
CaO	1.98	1.35	0.94	1.03	1.01	0.62	0.55	0.66	1.81	1.26	3.39	1.82	6.69	6.64	4.24
Na ₂ O	2.35	2.34	3.29	3.07	2.82	3.49	3.94	3.85	2.37	3.36	2.77	3.67	3.80	2.66	3.33
K ₂ O	4.62	5.20	5.04	5.10	4.51	5.76	5.24	4.73	5.13	4.66	3.57	3.99	1.46	2.12	4.07
TiO ₂	0.24	0.12	0.13	0.12	0.04	0.04	0.04	0.05	0.18	0.17	0.37	0.23	0.91	1.28	1.64
P ₂ O ₅	0.09	0.32	0.05	0.03	0.07	0.07	0.04	0.05	0.08	0.13	0.17	0.06	0.32	0.36	0.71
MnO	0.03	0.03	0.03	0.03	0.04	0.01	0.02	0.01	0.03	0.02	0.04	0.04	0.18	0.16	0.11
LOI	0.77	0.66	0.52	0.80	0.30	0.51	0.51	0.40	0.31	0.65	0.43	0.66	0.70	1.70	1.05
Sum	99.51	98.57	100.52	99.80	98.42	100.44	100.71	99.85	99.28	99.48	99.61	99.62	99.84	99.36	99.61
Zr	181	117	137	113	63	58	60	64	258	167	279	211	201	189	597
T °C	801	765	779	765	720	706	709	718	830	792	826	810	756	747	867