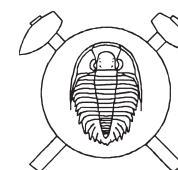


ERRATA

The dyke swarm of fractionated tourmaline-bearing leucogranite and its link to the Vydra Pluton (Moldanubian Batholith), Šumava Mts., Czech Republic



Žilný roj diferencovaného turmalinického leukogranitu a jeho vztah k masivku Vydry (moldanubický pluton, Šumava)

(8 figs, 8 tabs)

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Table 4 Minor elements (wt. %) detected in feldspars and garnet.

	biotite granite two-mica granite leucogranite					
plagioclase	range		range		range	
An (mol. %)	21	22	5	10	0	1
BaO	<0.01		<0.01		<0.01	
SrO	<0.01	0.16	<0.01		<0.01	
P₂O₅	0.07	0.12	0.22	1.00	<0.01	0.17
K-feldspar	range		range		range	
Na₂O	0.80	1.10	0.51	0.71	0.45	0.53
BaO	0.37	0.57	<0.01	0.10	<0.01	
SrO	0.01	0.06	<0.01	0.10	<0.01	
P₂O₅	0.03	0.09	0.20	0.50	0.65	0.95
garnet	range					
P₂O₅			0.03		0.13	

Table 5 Chemical composition of feldspars.

rock	biotite granite			two-mica granite				leucogranite			
	51	51	19	19	19	46	46	G30	G30	G66	G66
mineral	Pl	Kfs	Pl	Pl	Kfs	Pl	Kfs	Pl	Kfs	Pl	Kfs
SiO₂	63.15	64.68	65.17	65.65	63.57	66.95	63.80	68.82	64.09	67.91	63.94
Al₂O₃	23.29	18.57	21.81	21.06	19.16	20.87	18.78	19.81	18.97	19.55	18.84
FeO^{tot}	n.d.	n.d.	0.07	n.d.	0.11	n.d.	n.d.	n.d.	0.06	n.d.	n.d.
MnO	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CaO	4.65	0.04	1.93	1.02	0.00	1.33	0.07	0.23	n.d.	n.d.	n.d.
Na₂O	9.03	1.05	10.13	10.73	0.51	10.48	0.66	11.33	0.49	11.48	0.45
K₂O	0.30	15.34	0.37	0.12	15.72	0.07	15.57	0.09	15.80	0.09	16.03
BaO	0.01	0.38	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
SrO	n.d.	0.06	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
P₂O₅	0.09	0.08	0.41	1.00	0.54	0.11	0.24	0.06	0.95	0.17	0.68
total	100.55	100.23	99.89	99.56	99.60	99.81	99.12	100.34	100.37	99.20	99.94
XAn	0.218	0.002	0.093	0.049	0.000	0.065	0.003	0.011			
XAb	0.765	0.093	0.886	0.944	0.047	0.930	0.060	0.984	0.045	0.99	0.041
XKf	0.017	0.896	0.021	0.007	0.953	0.004	0.937	0.005	0.955	0.01	0.959
XCn	0.000	0.007									
XSr-Cn		0.002									

n.a. = not analyzed, n.d. = not detected

Table 6 Chemical composition of micas, garnet and ilmenite.

rock	biotite granite			two-mica granite				leucogranite				
sample	51	51	51	19	19	46	46	46	46	G30	G30	G66
mineral	Bt	Ms	Ilm	Bt	Ms	Bt	Ms	Grt-c	Grt-r	Bt	Ms	Ms
SiO ₂	34.88	47.75	n.a.	35.34	46.40	35.03	46.86	36.76	36.49	33.98	46.15	46.87
TiO ₂	3.06	0.44	53.29	3.10	0.73	2.21	n.d.	n.d.	0.03	1.86	0.23	0.07
Cr ₂ O ₃	0.01	0.03	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Al ₂ O ₃	18.43	36.10	n.d.	18.80	35.63	19.07	34.80	21.01	20.92	19.31	35.04	35.64
FeO ^{tot}	23.35	1.74	40.36	23.46	1.36	23.95	1.30	34.86	29.97	27.37	1.58	1.82
MnO	0.29	0.02	4.80	0.29	n.d.	0.86	n.d.	6.65	11.77	0.49	n.d.	n.d.
MgO	5.98	0.89	n.d.	5.96	0.66	4.24	n.d.	1.36	0.84	2.49	0.59	0.27
CaO	n.d.	n.d.	0.02	n.d.	n.d.	n.d.	n.d.	0.36	0.46	n.d.	n.d.	n.d.
Na ₂ O	0.08	0.35	n.a.	n.d.	0.79	n.d.	0.42	0.03	n.d.	n.d.	0.65	0.52
K ₂ O	9.54	10.00	n.a.	9.54	9.99	9.39	10.27	0.02	n.d.	8.86	9.80	9.03
BaO	0.43	0.34	0.24	n.d.	n.d.	n.d.	n.d.	n.a.	n.a.	n.d.	n.d.	n.d.
P ₂ O ₅	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.13	0.10	n.a.	n.a.	n.a.
F	0.21	0.19	n.a.	n.a.	n.a.	n.a.	n.a.	n.d.	n.d.	0.41	0.36	0.66
-O=F	-0.09	-0.08								-0.17	-0.15	-0.28
SUM	96.17	97.77	98.72	96.50	95.56	94.75	93.65	101.18	100.58	94.61	94.25	94.59

n.a. = not analyzed, n.d. = not detected

Table 7 Chemical composition of tourmaline of leucogranites and of quartz-tourmaline nodule from migmatite.

sample	G66-c	G66	G66-r	G30-c	G30-r	118-c	118	118-r
SiO ₂	36.79	35.86	35.53	36.93	36.54	37.51	36.64	36.50
TiO ₂	n.d.	0.16	0.36	0.33	0.20	0.21	0.90	0.92
Al ₂ O ₃	34.98	33.63	33.13	34.65	34.19	35.22	33.18	33.05
FeO ^{tot}	11.12	13.22	13.77	9.44	12.50	8.54	8.11	8.50
MnO	0.12	0.22	0.20	0.07	0.16	0.09	0.08	n.d.
MgO	2.25	1.66	1.39	3.93	1.87	4.13	5.35	5.57
CaO	n.d.	0.07	0.06	0.14	0.06	n.d.	0.44	0.79
Na ₂ O	1.61	2.00	1.81	2.02	1.59	1.52	2.07	1.87
K ₂ O	n.d.	0.06	0.05	0.04	0.04	n.d.	n.d.	0.04
F	0.09	0.47	0.55	0.30	0.39	n.d.	0.35	0.46
-O=F	-0.04	-0.20	-0.23	-0.13	-0.16		-0.15	-0.19
total	86.92	87.14	86.61	87.72	87.36	87.23	86.97	87.50
Si	6.080	6.021	6.016	6.033	6.066	6.079	6.023	5.981
Ti	0.000	0.020	0.046	0.040	0.025	0.026	0.111	0.113
Al	6.813	6.656	6.610	6.671	6.690	6.726	6.429	6.382
Fe ²⁺	1.537	1.856	1.949	1.290	1.735	1.157	1.115	1.165
Mn	0.017	0.031	0.029	0.010	0.022	0.013	0.011	0.000
Mg	0.553	0.416	0.351	0.956	0.462	0.999	1.311	1.359
total Y	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000
Ca	0.000	0.013	0.011	0.025	0.010	0.000	0.103	0.191
Na	0.516	0.652	0.593	0.640	0.512	0.486	0.873	0.815
K	0.000	0.013	0.011	0.009	0.008	0.000	0.000	0.013
X-vacancy	0.484	0.323	0.384	0.327	0.470	0.514	0.025	0.000
total X	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.019
F	0.049	0.247	0.293	0.155	0.202	0.000	0.181	0.236
Xmg	0.265	0.183	0.153	0.426	0.210	0.463	0.540	0.539

n.d. = not detected