

Mineralogical evolution of the northern Bossoroca ophiolite, São Gabriel terrane

Amanda Juliano Massuda, Léo Afraneo Hartmann¹, Gláucia Nascimento Queiroga, Marco Paulo de Castro, Carolina Gonçalves Leandro, Jairo Francisco Savian

Supplementary Table 16. Chemical analyses of serpentinite and chromite-talc-magnesite granofels, Bossoroca ophiolite. Oxides in wt.%, elements in ppm. Na₂O, K₂O, TiO₂, P₂O₅, Be, Cs, Sn, Ga, Hf, Ta, U, Th, W below detection limit (–).

Sample	Serpentinite				Granofels	
	BO3A	BO3B	BO5	BO11	BO17K	BO18K
SiO ₂	44.54	46.14	43.14	43.95	38.01	38.05
Al ₂ O ₃	0.15	0.17	0.77	0.75	0.73	0.48
Fe ₂ O ₃ ^T	7.28	7.24	7.84	5.79	5.77	5.21
MgO	32.36	32.02	32.90	33.00	34.06	32.09
CaO	0.30	0.30	0.40	0.29	0.03	0.07
MnO	0.09	0.07	0.06	0.05	0.11	0.07
Cr ₂ O ₃	0.37	0.32	0.24	0.24	0.85	0.89
LOI	14.1	13.1	14.2	15.2	19.6	22.3
Sum	99.46	99.46	99.45	99.45	99.43	99.47
Ba	31	35	25	2	-	-
Ni	3781	2913	2052	1604	1832	2201
Sc	4	4	2	3	4	4
Co	112	102	76	75	112	115
Nb	0.3	0.3	0.4	0.2	-	-
Rb	0.6	0.6	0.2	0.2	0.3	0.4
Sr	1.9	1.6	2.2	18.2	0.8	1.1
V	10	11	14	10	20	16
W	0.8	-	1.1	0.6	-	-
Zr	0.6	0.4	2.7	0.2	1.4	0.2
Y	0.4	0.4	2.7	0.2	0.1	<0.1
La	0.8	1.5	1.3	1.0	0.2	0.3
Ce	0.2	0.3	2.0	3.0	0.1	0.2
Pr	0.09	0.08	0.25	0.03	-	-
Nd	0.4	-	1.0	-	1.2	-
Sm	-	-	0.29	-	-	-
Eu	0.03	-	0.10	-	-	-
Gd	-	-	0.39	-	-	-
Tb	-	-	0.07	-	-	-
Dy	-	-	0.39	-	-	-
Ho	-	-	0.08	-	-	-
Er	-	-	0.26	-	-	-
Tm	-	-	0.03	-	-	-
Yb	-	-	0.25	-	-	-
Lu	-	-	0.03	-	-	-
TOT/C	0.26	-	0.23	2.32	-	-
TOT/S	-	-	-	0.15	-	-