

Appendix 2. REE compositions of amphibolites

Area	CHMB	CHMB	CHMB	CHMB	CHMB	CHMB	CHMB	CHMB	CHMB	CHMB
Locality	SH	KB	NNC	OG	BK	SS	NO	SM	HB	SG
Rock Type	Amphibolite	Amphibolite	Amphibolite	Amphibolite	Amphibolite	Amphibolite	Amphibolite	Amphibolite	Amphibolite	Amphibolite
Elements (ppm)										
La	2.34	2.02	1.17	2.77	1.90	2.38	2.04	2.00	2.24	1.61
Ce	6.58	6.17	4.68	9.81	6.32	7.70	7.15	6.71	7.02	5.92
Pr	0.99	0.99	0.89	1.64	1.00	1.21	1.25	1.14	1.12	1.07
Nd	5.60	5.62	5.49	9.38	5.62	6.82	7.57	6.54	6.34	6.39
Sm	2.02	2.05	2.18	3.43	2.10	2.39	2.84	2.31	2.31	2.32
Eu	0.88	0.98	0.96	1.35	0.83	0.98	1.13	0.99	0.96	0.97
Gd	2.96	2.97	3.28	4.85	2.93	3.36	4.28	3.31	3.23	3.55
Tb	0.52	0.53	0.58	0.87	0.53	0.60	0.76	0.60	0.57	0.62
Dy	3.55	3.54	3.95	5.76	3.58	3.98	5.07	4.08	3.86	4.15
Ho	0.80	0.81	0.88	1.27	0.79	0.90	1.15	0.91	0.87	0.93
Er	2.30	2.27	2.58	3.70	2.31	2.61	3.38	2.68	2.49	2.68
Tm	0.34	0.33	0.37	0.54	0.33	0.38	0.47	0.38	0.36	0.38
Yb	2.17	2.09	2.39	3.51	2.13	2.39	2.99	2.47	2.33	2.46
Lu	0.34	0.33	0.37	0.54	0.34	0.38	0.46	0.38	0.37	0.39

Area	CHMB	CHMB	nSHMB	nSHMB	nSHMB	nSHMB	nSHMB	nSHMB	nSHMB	nSHMB
Locality	SC	MS	PN	PN	SN	MKT	MKI	MN	ON	FC
Rock Type	Amphibolite	Amphibolite	Amphibolite	Amphibolite	Amphibolite	Amphibolite	Amphibolite	Amphibolite	Amphibolite	Amphibolite
Elements (ppm)										
La	2.50	2.62	1.92	4.14	3.59	4.20	4.56	1.83	1.80	3.58
Ce	7.76	7.54	6.82	12.72	9.97	13.57	13.43	6.46	6.15	11.00
Pr	1.22	1.11	1.17	1.91	1.42	2.20	1.98	1.08	1.06	1.74
Nd	6.76	5.97	7.00	9.95	7.43	12.29	10.49	6.59	6.26	10.13
Sm	2.36	2.08	2.50	3.26	2.24	4.05	3.34	2.34	2.26	3.52
Eu	0.93	0.99	1.03	0.95	0.68	1.67	1.18	1.08	1.04	1.48
Gd	3.46	3.03	3.54	4.31	3.00	5.60	4.43	3.39	3.42	4.98
Tb	0.61	0.56	0.64	0.76	0.52	0.98	0.77	0.62	0.62	0.90
Dy	4.05	3.67	4.33	5.03	3.35	6.59	4.98	4.17	4.14	6.02
Ho	0.92	0.82	0.97	1.09	0.74	1.46	1.10	0.93	0.94	1.36
Er	2.64	2.39	2.79	3.20	2.11	4.27	3.16	2.70	2.75	3.89
Tm	0.38	0.34	0.40	0.46	0.31	0.62	0.46	0.39	0.40	0.56
Yb	2.47	2.25	2.58	2.92	1.93	3.95	2.91	2.58	2.57	3.69
Lu	0.39	0.35	0.40	0.44	0.31	0.62	0.44	0.40	0.41	0.59

Abbreviations are same to those in Appendix 1.