



**Table DR2.** Whole-rock major and trace element compositions of Neoproterozoic granitoid samples (major elements in wt%, trace elements in ppm).

Sample Field no.	1 SF98-2	2 SF98-3	3 SF99-11	4 SF99-20	5 SF99-21	6 SF00-25	7 FCM99-1	8 FR00-1	9 FR00-2	10 AT00- 01	11 AT00- 03	12 AT00- 04	13 AT00- 06	14 AT00- 08	15 AT00- 09
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SiO <sub>2</sub>	74.73	69.93	63.48	69.31	77.49	76.60	72.17	74.84	75.66	62.50	60.30	63.19	66.80	64.32	61.21
TiO <sub>2</sub>	0.16	0.22	0.43	0.32	0.05	0.04	0.21	0.04	0.04	0.54	0.46	0.50	0.47	0.41	0.62
Al <sub>2</sub> O <sub>3</sub>	12.43	14.28	16.27	13.90	11.57	13.00	13.32	13.16	12.56	16.02	16.51	15.62	14.65	15.82	16.06
Fe <sub>2</sub> O <sub>3</sub> (T)	2.98	3.71	6.32	4.36	0.98	0.78	3.40	1.07	1.40	6.50	8.35	7.12	5.37	5.75	7.70
MnO	0.00	0.06	0.10	0.11	0.00	0.06	0.16	0.15	0.04	0.33	0.21	0.15	0.27	0.17	0.22
MgO	0.04	0.05	0.12	0.08	0.01	0.01	0.05	0.03	0.05	0.13	0.19	0.14	0.09	0.12	0.13
CaO	0.97	0.99	1.99	1.28	0.36	0.20	0.84	0.58	0.60	2.30	2.82	2.50	1.39	2.01	2.58
Na <sub>2</sub> O	3.52	2.77	4.39	3.63	3.69	5.27	3.67	4.69	4.61	3.93	4.51	4.07	3.55	4.38	4.46
K <sub>2</sub> O	5.15	7.80	6.32	6.25	4.40	3.66	5.70	4.36	4.08	6.73	6.39	6.17	6.04	6.44	5.87
P <sub>2</sub> O <sub>5</sub>	0.01	0.04	0.06	0.02	0.02	0.02	0.05	0.02	0.03	0.14	0.13	0.11	0.15	0.06	0.17
LOI	0.08	0.06	0.12	0.16	0.24	0.19	0.40	0.49	0.29	0.35	0.09	0.03	0.26	0.03	0.06
Total	100.07	99.91	99.60	99.42	98.81	99.83	99.97	99.43	99.37	99.46	99.96	99.60	99.04	99.50	99.07
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Sn	5.1	7.6	10.3	<6.3	7.7	<5.7	11.0	11.6	10.0	6.9	<4.0	<4.0	5.0	5.8	<4.0
Nb	293.3	141.3	86.2	70.5	189.2	151.7	112.3	128.4	164.3	98.1	76.4	78.6	51.0	85.9	60.4
Zr	544	743	873	628	123.0	135.3	391	128.9	165.6	958	1097	1074	643	871	1173
Y	127.3	194.1	89.2	96.1	102.2	52.9	137.4	103.4	126.8	74.6	79.9	65.7	96.3	99.5	43.6
Sr	115.2	124.6	62.3	42.0	15.9	5.3	41.5	17.1	16.0	109.5	132.6	123.5	104.2	93.0	161.7
Rb	127.6	197.3	166.4	147.6	209.3	187.7	216.3	282.3	218.2	149.7	127.9	129.5	219.3	177.3	108.2
Pb	16.9	38.5	27.8	23.5	39.2	18.0	33.4	50.6	35.5	24.9	20.1	21.6	29.4	25.9	18.9
Ga	38.4	33.0	35.4	31.9	41.3	43.9	38.3	45.3	45.2	34.8	35.2	33.9	35.6	36.9	33.5
Zn	167.2	128.3	178.1	137.8	124.3	82.4	190.5	162.2	214.2	174.3	198.6	178.6	147.9	170.1	175.7
Ni	6.5	8.1	<4.6	<7.8	7.3	<4.0	<4	7.2	<5.2	<8.4	6.2	<5.9	<9.2	<5.2	<9.8
V	<3.6	<3.8	<4.0	<3.8	<4.5	<4.3	<3.6	<3.6	<5.3	<6.7	<4.2	<6.3	6.0	<4.2	<4.9
Cr	<15	<24	<16.4	<15.6	<15	<16.0	<15	<14.6	<30.4	<17.4	<17.4	<17.2	<16.6	<17.2	<19.9
Ba	86.9	321.4	468	224.9	67.3	14.7	213.5	66.1	33.6	604	722	680	700	616	938
Co	<4.4	<3.8	<4.4	<7.1	<4.9	<3.7	<6.2	<3.4	<7.1	<6.0	<8.7	<6.5	5.8	<7.9	<9.7
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