TABLE DR1. ELECTRON MICROPROBE ANALYSES USED IN GEOBAROMETRY

Sample	4681, unit 6, granite				4685, unit 11, granite							4810, unit 15, granodiorite	
Rock type,													
Analysis	147	149	272	274	117	119	122	124	126	129	281	297	300
SiO_2	42.99	44.31	42.85	42.91	45.55	45.59	45.42	46.29	45.60	45.24	46.54	47.87	47.93
TiO_2	1.42	1.42	1.19	1.69	1.49	1.33	1.41	1.09	1.58	1.41	1.48	1.25	1.44
Al_2O_3	6.83	6.35	7.36	6.70	6.39	6.19	6.63	5.56	6.22	6.16	5.61	5.18	5.79
FeO_t	26.04	24.35	26.32	25.67	20.57	20.57	20.76	20.54	20.66	21.09	20.65	19.37	18.88
MnO	0.66	0.69	0.43	0.47	0.50	0.50	0.44	0.46	0.49	0.73	0.44	0.25	0.29
MgO	5.15	6.56	5.02	5.27	9.78	9.50	9.73	10.23	9.72	9.59	9.65	11.20	11.34
CaO	10.75	10.26	10.77	10.65	10.67	10.78	10.45	10.56	10.60	10.27	10.83	11.09	10.95
Na_2O	2.25	2.04	1.42	2.02	2.05	1.93	1.71	2.05	2.01	1.93	1.85	1.38	1.36
K_2O	0.98	0.82	0.90	0.79	0.75	0.85	0.82	0.70	0.81	0.81	0.55	0.48	0.63
Atomic formula for O = 23													
Si	6.841	6.971	6.848	6.862	6.950	6.969	6.951	7.069	6.965	6.963	7.088	7.177	7.128
Ti	0.170	0.168	0.143	0.203	0.171	0.153	0.162	0.125	0.181	0.163	0.170	0.141	0.161
Al	1.281	1.178	1.387	1.263	1.149	1.115	1.196	1.001	1.120	1.118	1.007	0.916	1.015
Fe^{++}	3.466	3.204	3.518	3.433	2.625	2.630	2.657	2.623	2.639	2.715	2.630	2.429	2.348
Mn	0.089	0.092	0.058	0.064	0.065	0.065	0.057	0.060	0.063	0.095	0.057	0.032	0.037
Mg	1.221	1.538	1.196	1.256	2.224	2.255	2.219	2.328	2.213	2.200	2.190	2.502	2.513
Ca	1.833	1.729	1.844	1.825	1.744	1.766	1.713	1.728	1.735	1.694	1.767	1.782	1.745
Na	0.694	0.622	0.440	0.626	0.606	0.572	0.507	0.607	0.595	0.576	0.546	0.401	0.392
K	0.199	0.165	0.184	0.161	0.146	0.166	0.160	0.136	0.158	0.159	0.107	0.092	0.120
calc. P	3.1	2.6	3.6	3.0	2.5	2.3	2.7	1.75	2.3	2.3	1.8	1.4	1.8

All three samples contain the assemblage K-feldspar, plagioclase, quartz, hornblende, biotite, titanite, opaque oxide minerals. All analyses made on hornblende crystal rims in contact with quartz. Pressure calculations based on calibration of Schmidt (1992) and Anderson and Smith (1995).

TABLE DR2. WHOLE-ROCK CHEMICAL ANALYSES

Sample	C4601	C4602	C4605	C4669	C4670	C4671	C4672	C4673	C4674	C4677
Unit	FLG[1]	FLG	FLG	15	11	?15	?14	15	15	?15
Major elements by XRF (wt%)										
SiO_2	47.96	45.13	50.97	68.41	72.42	45.23	75.16	55.77	52.65	48.04
TiO_2	1.81	1.58	1.89	0.86	0.45	2.55	0.25	2.09	2.50	2.97
Al_2O_3	17.04	15.19	15.57	13.61	13.14	15.35	12.64	13.88	14.14	14.54
Fe_2O_{3t}	11.85	11.52	10.91	5.17	3.20	13.24	2.42	9.66	11.50	12.94
MnO	0.26	0.23	0.26	0.10	0.05	0.19	0.02	0.19	0.23	0.24
MgO	5.81	8.16	5.47	1.42	1.15	6.64	0.83	4.10	4.45	5.49
CaO	5.42	8.43	9.14	1.89	0.84	10.56	0.26	5.19	6.23	7.55
Na_2O	4.75	2.46	2.52	4.00	3.39	2.65	3.74	3.35	3.23	3.22
K_2O	0.41	0.22	1.02	4.32	5.02	0.58	4.79	2.61	2.36	1.82
P_2O_5	0.23	0.21	0.40	0.17	0.09	0.46	0.04	0.59	0.69	0.88
L.O.I	3.80	8.40	1.60	0.10	0.30	2.80	0.40	0.90	0.90	1.00
Total	99.34	101.53	99.75	100.05	100.05	100.25	100.55	98.33	98.88	98.69
Trace elements by XRF (ppm)										
Ba	277	109	505	247	368	72	186	367	435	463
Rb	14	10	23	188	176	36	211	124	131	82
Sr	316	179	356	94	57	415	26	171	205	279
Y	19	20	28	80	89	38	111	60	59	48
Zr	122	104	219	591	472	212	337	376	357	371
Nb	<5	<5	9	39	46	16	50	40	29	31
Th	<10	<10	<10	15	18	2	23	<10	6	<10
Pb	<10	<10	<10	6	<10	<10	20	<10	25	<10
Ga	17	18	19	25	25	24	25	22	24	21
Zn	120	104	134	86	30	112	22	107	153	150
Cu	45	47	45	<5	<5	57	<5	22	27	52
Ni	127	116	69	11	7	96	10	35	42	62
V	273	255	253	42	17	311	6	199	242	290
Cr	232	207	132	25	24	176	44	74	86	92
REE and selected trace elements by INAA (ppm)										
La	n.d.	n.d.	n.d.	n.d.	80.51	n.d.	109	n.d.	45.47	n.d.
Ce	n.d.	n.d.	n.d.	n.d.	160	n.d.	124	n.d.	107	n.d.
Nd	n.d.	n.d.	n.d.	n.d.	73.93	n.d.	81.94	n.d.	50.02	n.d.
Sm	n.d.	n.d.	n.d.	n.d.	15.40	n.d.	17.18	n.d.	11.02	n.d.
Eu	n.d.	n.d.	n.d.	n.d.	1.49	n.d.	1.49	n.d.	2.99	n.d.
Tb	n.d.	n.d.	n.d.	n.d.	2.94	n.d.	3.51	n.d.	2.04	n.d.
Yb	n.d.	n.d.	n.d.	n.d.	9.95	n.d.	12.02	n.d.	6.07	n.d.
Lu	n.d.	n.d.	n.d.	n.d.	1.37	n.d.	1.62	n.d.	0.84	n.d.
Ba	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Co	n.d.	n.d.	n.d.	n.d.	2.38	n.d.	0.63	n.d.	30.24	n.d.
Cr	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cs	n.d.	n.d.	n.d.	n.d.	2.42	n.d.	2.42	n.d.	6.94	n.d.
Hf	n.d.	n.d.	n.d.	n.d.	14.47	n.d.	12.70	n.d.	8.98	n.d.
Sb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sc	n.d.	n.d.	n.d.	n.d.	4.29	n.d.	2.13	n.d.	25.53	n.d.
Ta	n.d.	n.d.	n.d.	n.d.	4.07	n.d.	5.53	n.d.	2.76	n.d.
Th	n.d.	n.d.	n.d.	n.d.	24.02	n.d.	30.84	n.d.	9.63	n.d.
U	n.d.	n.d.	n.d.	n.d.	2.95	n.d.	4.32	n.d.	1.54	n.d.
A/CNK[2]				0.93	1.05	1.07				

[1] A/CNK = molAl_2O_3/molCaO+molNa_2O+molK_2O
[2] FLG = Fountain Lake Group

Table DR2 (continued)

Sample	C4679	C4680	C4681	C4682	C4685	C4686	C4687	C4688	C4689	C4690
Unit	?19	?14	6	16	11	?14	15	15	11	11
Major elements by XRF (wt%)										
SiO_2	44.36	76.29	70.77	50.49	71.02	75.29	59.39	50.31	72.45	73.53
TiO_2	2.83	0.10	0.48	3.14	0.43	0.19	1.76	2.80	0.38	0.23
Al_2O_3	14.57	12.26	13.18	13.64	13.26	12.86	14.03	13.67	13.17	13.22
Fe_2O_{3t}	13.99	1.09	4.09	13.00	3.19	1.95	7.94	12.56	3.23	2.03
MnO	0.25	0.02	0.07	0.28	0.04	0.02	0.17	0.22	0.07	0.03
MgO	6.80	0.87	1.13	4.92	1.20	0.75	3.21	5.00	0.99	1.25
CaO	9.37	0.01	0.91	6.36	0.74	0.29	4.21	6.94	0.65	0.37
Na_2O	2.45	4.47	3.45	3.46	3.87	3.58	4.00	3.12	3.89	3.85
K_2O	1.21	4.32	5.49	1.86	5.61	4.87	3.33	2.28	5.11	5.01
P_2O_5	0.47	0.01	0.09	0.86	0.09	0.03	0.49	0.81	0.07	0.04
L.O.I	2.80	0.10	0.20	1.30	0.60	0.30	1.00	0.70	0.30	0.30
Total	99.10	99.54	99.86	99.31	100.05	100.13	99.53	98.41	100.31	99.86
Trace elements by XRF (ppm)										
Ba	278	24	360	374	343	180	343	462	223	161
Rb	84	265	206	148	196	213	151	154	262	257
Sr	324	<5	51	241	57	45	142	249	27	24
Y	38	64	78	60	82	60	62	58	88	74
Zr	202	57	831	391	572	228	361	346	361	262
Nb	12	47	37	30	49	43	42	29	48	48
Th	<10	<10	17	3	<10	25	15	<10	21	<10
Pb	<10	<10	3	17	<10	14	14	<10	45	<10
Ga	24	29	25	29	24	22	22	25	24	25
Zn	127	22	55	208	31	20	123	154	80	24
Cu	64	6	<5	48	11	<5	25	55	<5	7
Ni	99	5	12	43	7	6	23	25	9	6
V	321	<5	10	279	20	<5	166	290	9	<5
Cr	127	11	37	47	13	33	44	49	29	13
REE and selected trace elements by INAA (ppm)										
La	n.d.	n.d.	91.18	47.80	n.d.	63.41	n.d.	n.d.	77.76	n.d.
Ce	n.d.	n.d.	213	108	n.d.	115	n.d.	n.d.	169	n.d.
Nd	n.d.	n.d.	86.73	53.35	n.d.	45.71	n.d.	n.d.	68.45	n.d.
Sm	n.d.	n.d.	17.18	11.56	n.d.	8.90	n.d.	n.d.	13.67	n.d.
Eu	n.d.	n.d.	1.72	3.36	n.d.	0.59	n.d.	n.d.	1.12	n.d.
Tb	n.d.	n.d.	2.95	1.97	n.d.	1.69	n.d.	n.d.	2.62	n.d.
Yb	n.d.	n.d.	8.86	5.93	n.d.	7.09	n.d.	n.d.	9.30	n.d.
Lu	n.d.	n.d.	1.27	0.86	n.d.	0.99	n.d.	n.d.	1.32	n.d.
Ba	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Co	n.d.	n.d.	3.21	35.42	n.d.	0.84	n.d.	n.d.	3.30	n.d.
Cr	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cs	n.d.	n.d.	3.15	10.43	n.d.	1.65	n.d.	n.d.	3.08	n.d.
Hf	n.d.	n.d.	22.42	9.52	n.d.	8.91	n.d.	n.d.	12.60	n.d.
Sb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sc	n.d.	n.d.	4.15	27.51	n.d.	2.16	n.d.	n.d.	3.68	n.d.
Ta	n.d.	n.d.	3.87	2.83	n.d.	4.40	n.d.	n.d.	5.05	n.d.
Th	n.d.	n.d.	24.73	8.12	n.d.	27.55	n.d.	n.d.	26.02	n.d.
U	n.d.	n.d.	3.60	2.23	n.d.	4.78	n.d.	n.d.	4.22	n.d.
A/CNK		1.02	0.99		0.96	1.10	0.79		1.01	1.06

Table DR2 (continued)

Sample	C4691	C4692	C4694	C4697	C4699	C4700	C4701	C4702	C4703	C4704
Unit	3	14	11	3	8	8	8	12	?12	8
Major elements by XRF (wt%)										
SiO_2	61.55	72.90	73.59	69.48	71.69	71.94	71.47	60.95	48.95	72.83
TiO_2	1.25	0.30	0.24	0.37	0.37	0.34	0.39	1.80	2.80	0.32
Al_2O_3	14.12	12.85	13.16	15.48	13.98	14.16	14.28	13.70	12.76	12.76
Fe_2O_{3t}	6.72	1.94	2.45	2.64	2.71	2.67	2.93	11.35	15.28	4.11
MnO	0.09	0.04	0.02	0.05	0.03	0.03	0.04	0.05	0.33	0.07
MgO	3.26	1.76	0.88	1.41	1.21	1.01	1.22	2.53	4.10	1.23
CaO	5.40	1.25	0.54	1.68	1.02	1.21	1.03	1.29	6.37	3.47
Na_2O	2.86	3.44	3.85	3.84	3.51	3.70	3.57	4.67	4.71	4.12
K_2O	3.67	4.76	5.04	4.47	4.89	4.78	5.07	2.52	2.52	0.68
P_2O_5	0.21	0.05	0.05	0.11	0.09	0.08	0.09	0.37	1.91	0.09
L.O.I	1.20	0.50	0.70	0.90	0.60	0.10	0.40	0.70	0.20	0.50
Total	100.33	99.79	100.52	100.43	100.10	100.02	100.49	99.93	99.93	100.18
Trace elements by XRF (ppm)										
Ba	495	558	188	852	578	518	636	158	792	106
Rb	391	223	298	173	193	190	179	106	152	53
Sr	284	135	34	210	103	108	117	150	222	198
Y	77	78	84	26	40	39	40	35	103	34
Zr	350	597	301	185	186	177	205	385	840	158
Nb	44	71	42	12	14	11	14	34	55	11
Th	<10	<10	22	<10	14	16	13	<10	<10	10
Pb	<10	<10	13	16	9	<10	24	<10	<10	<10
Ga	25	24	23	14	17	15	17	22	24	16
Zn	31	33	22	43	20	22	19	22	177	49
Cu	12	5	<5	<5	<5	<5	<5	<5	31	<5
Ni	25	9	9	5	7	8	8	34	6	10
V	98	13	6	28	24	20	30	169	71	32
Cr	99	15	44	31	34	35	30	33	9	35
REE and selected trace elements by INAA (ppm)										
La	n.d.	n.d.	n.d.	23.71	34.55	36.11	n.d.	n.d.	n.d.	n.d.
Ce	n.d.	n.d.	n.d.	50.84	54.10	63.08	n.d.	n.d.	n.d.	n.d.
Nd	n.d.	n.d.	n.d.	17.86	30.96	33.09	n.d.	n.d.	n.d.	n.d.
Sm	n.d.	n.d.	n.d.	3.83	6.19	6.35	n.d.	n.d.	n.d.	n.d.
Eu	n.d.	n.d.	n.d.	0.86	1.14	1.08	n.d.	n.d.	n.d.	n.d.
Tb	n.d.	n.d.	n.d.	0.60	1.06	1.16	n.d.	n.d.	n.d.	n.d.
Yb	n.d.	n.d.	n.d.	2.09	3.75	3.72	n.d.	n.d.	n.d.	n.d.
Lu	n.d.	n.d.	n.d.	0.32	0.54	0.54	n.d.	n.d.	n.d.	n.d.
Ba	\,d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Co	n.d.	n.d.	n.d.	3.98	2.27	3.32	n.d.	n.d.	n.d.	n.d.
Cr	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cs	n.d.	n.d.	n.d.	3.76	4.39	3.92	n.d.	n.d.	n.d.	n.d.
Hf	n.d.	n.d.	n.d.	5.08	6.44	6.00	n.d.	n.d.	n.d.	n.d.
Sb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sc	n.d.	n.d.	n.d.	4.97	4.93	4.82	n.d.	n.d.	n.d.	n.d.
Ta	n.d.	n.d.	n.d.	0.91	1.90	1.72	n.d.	n.d.	n.d.	n.d.
Th	n.d.	n.d.	n.d.	10.67	17.13	22.81	n.d.	n.d.	n.d.	n.d.
U	n.d.	n.d.	n.d.	2.09	2.46	2.90	n.d.	n.d.	n.d.	n.d.
A/CNK	0.76	0.98	1.04	1.09	1.08	1.05	1.08	1.07		0.92

Table DR2 (continued)

Sample	C4705	C4706	C4707	C4713	C4714	C4721	C4728	C4734	C4735	C4736
Unit	20	8	8	12	12	8	3	2	6	6
Major elements by XRF (wt %)										
SiO_2	75.62	71.70	72.41	59.22	46.55	71.54	71.00	47.49	74.34	72.91
TiO_2	0.05	0.39	0.36	0.83	1.61	0.41	0.36	1.53	0.23	0.24
Al_2O_3	13.05	14.03	14.04	16.87	16.03	13.85	14.03	15.32	12.85	13.45
Fe_2O_{3t}	0.49	2.69	2.71	6.02	11.58	2.73	2.59	10.88	2.10	2.13
MnO	0.02	0.03	0.04	0.08	0.18	0.04	0.04	0.19	0.04	0.03
MgO	0.93	1.21	1.26	3.50	8.50	1.44	1.85	6.76	1.02	1.12
CaO	0.38	1.61	1.50	4.49	10.24	1.86	0.95	10.37	0.18	0.29
Na_2O	3.31	3.48	3.35	4.17	2.18	3.55	3.82	3.91	4.12	4.09
K_2O	6.00	3.67	4.08	3.04	1.14	3.32	3.91	0.59	5.02	5.18
P_2O_5	0.01	0.09	0.08	0.21	0.22	0.10	0.08	0.20	0.04	0.05
L.O.I	0.10	0.20	0.20	0.50	0.80	0.40	0.70	3.30	0.30	0.50
Total	99.96	99.10	100.03	98.93	99.03	99.24	99.33	100.54	100.23	99.99
Trace elements by XRF (ppm)										
Ba	53	597	515	787	184	358	528	185	219	220
Rb	214	127	178	114	59	148	105	29	158	176
Sr	18	161	133	415	342	144	136	430	43	47
Y	18	42	29	24	27	33	24	19	49	57
Zr	26	200	174	166	160	199	177	107	331	334
Nb	<5	15	13	9	10	13	12	<5	45	49
Th	<10	15	12	<10	<10	<10	<10	<10	<10	<10
Pb	11	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ga	12	14	15	18	19	16	16	18	20	20
Zn	17	17	21	72	99	24	24	106	24	23
Cu	10	<5	<5	57	43	7	10	61	6	7
Ni	<5	11	6	16	170	7	15	101	8	5
V	<5	26	30	147	256	36	41	248	<5	<5
Cr	14	30	39	32	334	13	32	162	167	16
REE and selected trace elements by INAA (ppm)										
La	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ce	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Nd	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sm	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Eu	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Tb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Yb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Lu	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ba	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Co	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cr	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cs	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Hf	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sc	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ta	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Th	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
U	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
A/CNK	1.03	1.11	1.11	0.92		1.08	1.15			1.05

Table DR2 (continued)

Sample	C4737	C4739	C4748	C4749	C4750	C4753	C4754	C4755	C4758	C4761
Unit	?10	3incl	?11	5	5	5	5	5	13	13
Major elements by XRF (wt%)										
SiO_2	72.84	75.25	75.16	46.38	47.58	53.66	48.11	46.46	77.62	76.29
TiO_2	0.33	0.12	0.24	3.78	3.84	1.40	1.50	2.12	0.12	0.12
Al_2O_3	13.62	13.90	13.22	12.72	12.87	14.03	15.56	15.60	11.85	12.24
Fe_2O_{3t}	2.47	1.56	1.25	14.52	14.08	8.51	11.61	12.06	2.49	2.46
MnO	0.04	0.02	0.03	0.23	0.25	0.13	0.20	0.18	0.01	0.02
MgO	1.09	0.92	1.23	6.39	6.10	4.94	7.25	7.49	0.72	0.74
CaO	0.48	0.13	0.58	9.83	9.22	11.43	10.08	10.31	0.00	0.13
Na_2O	3.85	2.35	5.50	2.87	4.08	3.84	2.38	2.25	4.58	4.53
K_2O	4.76	6.16	2.41	0.39	0.49	0.35	0.90	0.72	3.24	4.29
P_2O_5	0.06	0.02	0.06	0.16	0.30	0.23	0.19	0.49	0.01	0.02
L.O.I	0.20	0.60	0.60	0.70	0.70	0.80	1.40	1.60	0.00	0.10
Total	99.74	101.03	100.28	97.97	99.51	99.32	99.18	99.28	100.64	100.94
Trace elements by XRF (ppm)										
Ba	304	255	779	216	423	34	216	228	29	28
Rb	142	232	53	24	19	9	31	31	113	187
Sr	77	65	118	342	360	445	315	380	7	14
Y	49	73	12	24	33	54	30	32	79	102
Zr	351	166	125	139	141	243	136	134	467	441
Nb	47	41	5	9	9	29	9	13	72	60
Th	<10	12	<10	<10	<10	<10	<10	<10	22	11
Pb	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Ga	22	20	10	23	21	23	18	20	25	26
Zn	25	22	15	98	121	73	108	77	31	25
Cu	9	<5	6	69	59	<5	66	53	<5	<5
Ni	5	9	<5	69	62	54	106	100	10	6
V	11	7	15	652	485	151	278	274	<5	<5
Cr	18	29	15	86	50	188	168	194	41	44
REE and selected trace elements by INAA (ppm)										
La	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ce	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Nd	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sm	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Eu	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Tb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Yb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Lu	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ba	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Co	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cr	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cs	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Hf	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sc	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ta	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Th	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
U	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
A/CNK	1.10	1.29	1.04						1.07	0.99

Table DR2 (continued)

Sample	C4774	C4778	C4779	C4801	C4854	C4865	C4866	C4867	25-5-1	25-5-1A
Unit	12	12	12	12	9	16	16	16	17	17
Major elements by XRF (wt%)										
SiO_2	48.70	56.66	48.67	63.03	48.16	76.35	45.95	47.18	75.21	76.33
TiO_2	2.31	1.39	2.34	1.16	1.64	0.07	2.44	3.41	0.17	0.18
Al_2O_3	14.06	15.81	15.65	15.98	14.90	13.14	15.15	12.51	12.62	12.88
Fe_2O3_t	2.61	9.32	12.80	6.64	11.45	0.94	13.15	15.46	1.76	1.81
MnO	0.37	0.10	0.18	0.04	0.24	0.03	0.23	0.24	0.02	0.02
MgO	6.48	4.73	5.86	1.44	7.91	0.35	7.06	3.81	0.90	0.84
CaO	10.39	4.82	7.49	2.97	7.99	0.40	9.63	8.90	0.27	0.23
Na_2O	2.83	3.39	3.70	4.23	2.85	3.51	1.90	2.12	3.49	3.50
K_2O	0.68	1.87	1.23	3.19	0.93	4.45	1.16	1.78	5.13	5.02
P_2O_5	0.28	0.15	0.42	0.20	0.21	0.02	0.42	1.85	0.02	0.02
L.O.I	0.40	1.10	0.50	0.30	3.90	0.60	2.10	1.00	0.20	0.00
Total	99.11	99.34	98.84	99.18	100.18	99.86	99.19	98.26	99.79	100.83
Trace elements by XRF (ppm)										
Ba	177	324	289	472	85	131	280	612	196	186
Rb	22	73	35	67	81	292	96	105	211	205
Sr	294	430	468	257	249	72	271	238	23	21
Y	22	13	26	56	23	95	28	85	83	92
Zr	141	106	214	356	115	98	203	656	247	237
Nb	11	7	19	44	<5	53	12	49	32	31
Th	<10	<10	<10	<10	<10	<10	<10	<10	20	21
Pb	65	11	19	13	<10	11	31	<10	12	11
Ga	23	17	19	27	18	28	25	23	21	19
Zn	151	53	98	15	121	33	204	219	38	35
Cu	132	15	31	23	66	21	51	31	5	8
Ni	65	59	69	12	88	8	104	17	<5	5
V	338	143	243	91	256	<5	261	118	<5	<5
Cr	209	34	42	11	108	20	103	6	18	23
REE and selected trace elements by INAA (ppm)										
La	n.d.	13.37	n.d.	49.88	n.d.	9.50	n.d.	n.d.	75.30	n.d.
Ce	n.d.	32.37	n.d.	127	n.d.	25.57	n.d.	n.d.	175	n.d.
Nd	n.d.	13.25	n.d.	69.18	n.d.	25.93	n.d.	n.d.	72.60	n.d.
Sm	n.d.	2.82	n.d.	16.32	n.d.	10.48	n.d.	n.d.	14.40	n.d.
Eu	n.d.	1.05	n.d.	2.05	n.d.	0.05	n.d.	n.d.	0.49	n.d.
Tb	n.d.	0.50	n.d.	2.82	n.d.	3.01	n.d.	n.d.	2.61	n.d.
Yb	n.d.	1.17	n.d.	7.27	n.d.	11.35	n.d.	n.d.	8.65	n.d.
Lu	n.d.	0.18	n.d.	0.91	n.d.	1.51	n.d.	n.d.	1.30	n.d.
Ba	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Co	n.d.	49.87	n.d.	37.89	n.d.	42.30	n.d.	n.d.	0.98	n.d.
Cr	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	25.00	n.d.
Cs	n.d.	2.28	n.d.	0.96	n.d.	4.00	n.d.	n.d.	n.d.	n.d.
Hf	n.d.	2.86	n.d.	13.27	n.d.	6.35	n.d.	n.d.	9.37	n.d.
Sb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sc	n.d.	13.93	n.d.	10.15	n.d.	2.33	n.d.	n.d.	3.21	n.d.
Ta	n.d.	1.19	n.d.	2.71	n.d.	5.03	n.d.	n.d.	2.83	n.d.
Th	n.d.	4.98	n.d.	5.42	n.d.	32.32	n.d.	n.d.	29.20	n.d.
U	n.d.	0.86	n.d.	0.94	n.d.	6.67	n.d.	n.d.	n.d.	n.d.
A/CNK				1.01		1.16			1.07	1.11

Table DR2 (continued)

Sample	25-5-2	25-5-3	25-5-4	25-5-5	25-5-6	25-5-7	25-5-8	26-131	26-132	26-132
Unit	17	17	17	17	17	17	17	4B	4A	4A
Major elements by XRF (wt%)										
SiO_2	74.34	75.69	74.73	73.76	73.20	75.52	73.10	71.31	71.94	70.36
TiO_2	0.18	0.18	0.20	0.20	0.24	0.20	0.20	0.39	0.28	0.27
Al_2O_3	13.02	12.62	13.13	13.05	13.52	13.16	13.02	13.80	13.78	13.27
Fe_2O_{3t}	1.89	1.53	1.82	1.72	2.11	1.68	1.86	3.74	3.20	3.21
MnO	0.02	0.03	0.02	0.02	0.01	0.02	0.02	0.05	0.06	0.05
MgO	0.75	0.79	0.78	0.86	0.79	0.78	0.85	0.95	0.73	0.88
CaO	0.50	0.61	0.22	0.18	0.07	0.28	0.17	0.78	0.85	0.86
Na_2O	3.63	3.62	3.60	3.84	3.80	3.44	4.00	4.35	4.90	4.56
K_2O	5.27	4.85	5.30	5.21	5.17	5.44	5.25	4.51	5.12	4.97
P_2O_5	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.06	0.04	0.04
L.O.I	0.30	0.00	0.00	0.30	0.20	0.10	0.30	0.10	0.00	0.60
Total	99.93	99.95	99.83	99.18	99.15	100.65	98.80	100.04	100.90	99.07
Trace elements by XRF (ppm)										
Ba	281	325	215	223	438	192	255	630	627	597
Rb	188	178	204	230	198	236	210	180	203	200
Sr	59	69	30	28	31	24	35	54	42	47
Y	89	64	75	78	71	81	64	72	83	87
Zr	257	242	247	241	308	245	256	464	554	577
Nb	30	29	30	28	28	30	19	27	32	36
Th	16	14	17	17	14	16	13	12	13	12
Pb	18	<10	28	28	29	17	27	<10	12	10
Ga	22	18	19	17	20	22	20	20	21	19
Zn	16	17	33	33	19	30	40	31	49	44
Cu	7	0	6	4	7	4	7	6	6	7
Ni	<5	6	8	5	7	8	7	<5	5	8
V	6	<5	<5	<5	<5	<5	6	14	<5	<5
Cr	28	32	41	23	39	22	37	26	24	28
REE and selected trace elements by INAA (ppm)										
La	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	49.90	n.d.	n.d.	n.d.
Ce	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	121	n.d.	n.d.	n.d.
Nd	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	51.70	n.d.	n.d.	n.d.
Sm	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	9.95	n.d.	n.d.	n.d.
Eu	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	0.52	n.d.	n.d.	n.d.
Tb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	1.66	n.d.	n.d.	n.d.
Yb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	6.10	n.d.	n.d.	n.d.
Lu	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	0.94	n.d.	n.d.	n.d.
Ba	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Co	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	1.40	n.d.	n.d.	n.d.
Cr	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	33.00	n.d.	n.d.	n.d.
Cs	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Hf	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	9.10	n.d.	n.d.	n.d.
Sb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sc	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	2.96	n.d.	n.d.	n.d.
Ta	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	1.59	n.d.	n.d.	n.d.
Th	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	19.20	n.d.	n.d.	n.d.
U	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
A/CNK	1.03	1.02	1.09	1.06	1.13	1.09	1.04	1.03	0.91	0.90

Table DR2 (continued)

Sample	26-134	26-135	26-136	42-1-2	C5031	C5037	C5039	C6102	C6194	C6203
Unit	4A	4B	4A	10	19	10R	7	15	clast	17
Major elements by XRF (wt%)										
SiO_2	71.46	71.05	70.37	70.75	45.58	74.03	72.31	68.10	77.70	75.10
TiO_2	0.27	0.43	0.40	0.30	2.71	0.28	0.39	0.82	0.06	0.17
Al_2O_3	13.34	14.08	13.94	13.87	14.88	13.41	14.67	12.90	11.70	12.80
Fe_2O_{3t}	3.19	3.27	3.64	2.61	15.11	1.80	2.11	5.55	1.46	1.68
MnO	0.05	0.05	0.05	0.05	0.44	0.03	0.04	0.10	0.03	0.03
MgO	0.85	1.00	0.95	0.85	7.24	0.24	0.68	1.05	0.10	0.19
CaO	0.78	0.80	0.79	0.91	8.90	0.77	1.93	2.34	0.71	0.44
Na_2O	4.09	4.37	4.65	4.45	2.46	3.52	4.63	3.92	7.07	4.39
K_2O	4.87	4.34	4.33	5.00	1.12	5.18	2.41	4.53	0.38	4.34
P_2O_5	0.03	0.07	0.07	0.05	0.46	0.05	0.12	0.18	0.04	0.04
L.O.I	0.50	0.20	0.30	0.20	1.30	0.30	0.30	0.55	0.85	0.75
Total	99.43	99.66	99.49	99.04	100.20	99.61	99.59	100.04	100.10	99.93
Trace elements by XRF (ppm)										
Ba	583	647	578	482	305	452	845	245	45	506
Rb	197	176	164	143	76	174	53	119	10	109
Sr	38	68	45	79	288	72	232	83	101	45
Y	82	64	73	53	35	38	21	104	46	56
Zr	566	409	498	385	197	200	183	716	252	244
Nb	35	22	28	23	13	26	10	54	103	32
Th	14	12	15	20	<10	19	<10	20	29	24
Pb	16	<10	<10	<10	11	22	11	13	10	<10
Ga	23	20	17	20	22	19	13	26	20	17
Zn	41	40	28	29	92	15	13	62	8	13
Cu	<5	7	6	<5	61	7	<5	8	43	<5
Ni	5	7	<5	<5	121	<5	<5	10	<5	<5
V	<5	22	16	9	338	17	28	55	26	5
Cr	30	38	39	27	142	7	10	14	15	<5
REE and selected trace elements by INAA (ppm)										
La	n.d.	n.d.	52.70	55.98	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ce	n.d.	n.d.	123	119	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Nd	n.d.	n.d.	53.40	48.41	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sm	n.d.	n.d.	11.10	10.90	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Eu	n.d.	n.d.	1.70	1.00	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Tb	n.d.	n.d.	1.96	1.70	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Yb	n.d.	n.d.	7.20	5.90	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Lu	n.d.	n.d.	1.11	0.86	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ba	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Co	n.d.	n.d.	2.00	2.01	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cr	n.d.	n.d.	36.00	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cs	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Hf	n.d.	n.d.	13.70	11.43	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sc	n.d.	n.d.	6.52	4.94	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ta	n.d.	n.d.	2.17	1.77	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Th	n.d.	n.d.	18.60	19.32	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
U	n.d.	n.d.	n.d.	3.31	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
A/CNK	0.99	1.06	1.01	0.97		1.05	1.07	0.83	0.88	1.01

Table DR2 (continued)

Sample	C6204	C6206	C6208	C6258	C6260	C6261	C6262	C6263	C6932	C6936
Unit	19	18	clast	clast	4A	4B	4B	4	17	10
Major elements by XRF (wt%)										
SiO_2	45.00	45.50	77.50	78.20	70.30	71.40	71.20	75.90	73.72	73.27
TiO_2	2.61	2.53	0.08	0.06	0.25	0.38	0.41	0.11	0.23	0.27
Al_2O_3	14.10	15.40	11.80	12.00	13.30	13.50	13.20	10.70	13.29	13.61
Fe_2O_{3T}	15.70	14.80	1.26	1.10	3.06	2.87	2.79	2.23	1.90	2.19
MnO	0.16	0.22	0.03	0.04	0.09	0.07	0.07	0.03	0.02	0.03
MgO	6.66	7.01	0.18	0.19	0.15	0.36	0.38	0.07	0.02	0.21
CaO	7.44	7.49	0.94	0.83	0.81	1.34	1.40	0.31	0.17	0.25
Na_2O	1.86	2.50	6.94	6.99	4.84	5.36	4.91	2.59	3.81	3.80
K_2O	0.63	1.08	0.22	0.20	4.82	3.90	4.60	6.10	5.22	4.92
P_2O_5	0.56	0.40	0.04	0.04	0.04	0.08	0.08	0.02	0.03	0.05
L.O.I	5.55	3.40	1.20	0.55	0.35	0.40	0.85	0.30	0.70	0.50
Total	100.27	100.33	100.19	100.20	98.01	99.66	99.89	98.36	99.11	99.10
Trace elements by XRF (ppm)										
Ba	50	293	46	114	655	465	582	249	280	399
Rb	33	64	5	7	177	142	185	259	194	175
Sr	210	291	96	191	50	62	48	25	28	58
Y	46	40	36	40	101	62	50	111	64	59
Zr	279	211	232	243	585	367	372	660	300	219
Nb	21	14	102	111	42	28	25	64	33	33
Th	<10	<10	21	30	20	17	21	29	24	24
Pb	<10	<10	<10	14	14	<10	<10	25	13	11
Ga	19	23	14	16	25	20	16	21	21	19
Zn	37	69	10	15	116	22	36	18	21	11
Cu	6	33	130	37	6	<5	<5	<5	<5	<5
Ni	99	82	<5	<5	<5	<5	<5	<5	<5	5
V	303	293	26	25	<5	23	22	<5	6	17
Cr	182	90	11	18	10	14	13	<5	10	8
REE and selected trace elements by INAA (ppm)										
La	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ce	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Nd	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sm	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Eu	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Tb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Yb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Lu	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ba	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Co	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cr	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cs	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Hf	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sc	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ta	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Th	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
U	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
A/CNK			0.88	0.91	0.91	0.87	0.85	0.94	1.09	1.13

Table DR2 (continued)

Sample	C6937	C6938	C6940	C7008	C7009A	C7010	C7011	C7017	C7019	C7021
Unit	10	5	7	1	1	?9	9	?11	5	11
Major elements by XRF (wt%)										
SiO_2	73.42	54.19	71.97	50.70	47.30	47.60	46.00	74.30	45.70	72.20
TiO_2	0.29	2.26	0.38	1.13	1.40	1.44	2.21	0.27	2.10	0.28
Al_2O_3	13.08	14.69	14.86	15.30	16.40	16.40	14.10	12.60	15.10	13.30
Fe_2O_{3t}	1.80	10.16	2.00	10.80	12.70	10.90	15.40	2.02	14.20	2.15
MnO	0.03	0.18	0.04	0.22	0.23	0.30	0.35	0.04	0.22	0.05
MgO	0.12	2.73	0.57	7.28	8.03	8.84	7.49	0.34	7.03	0.48
CaO	0.83	5.90	1.73	8.47	8.97	9.39	9.09	0.69	9.80	0.72
Na_2O	3.66	4.42	4.69	2.75	2.48	2.12	2.23	4.37	2.37	3.98
K_2O	4.97	1.88	2.83	1.99	1.28	1.18	1.14	4.47	0.31	5.26
P_2O_5	0.05	0.93	0.11	0.11	0.18	0.19	0.26	0.07	0.26	0.07
L.O.I	0.90	0.90	0.50	1.00	1.35	2.10	1.10	0.90	2.85	0.60
Total	99.15	98.24	99.68	99.75	100.32	100.46	99.37	100.07	99.94	99.09
Trace elements by XRF (ppm)										
Ba	333	972	852	226	218	329	188	288	214	305
Rb	198	54	61	122	60	62	65	157	14	162
Sr	56	405	215	223	301	229	218	52	302	91
Y	51	65	22	21	26	29	35	91	32	38
Zr	215	308	179	88	106	111	137	202	132	211
Nb	30	26	10	5	6	7	7	32	6	29
Th	24	<10	<10	<10	< 10	<10	<10	21	<10	21
Pb	21	13	12	14	45	58	10	<10	13	13
Ga	19	21	14	17	20	18	20	19	20	18
Zn	23	57	8	92	142	139	116	12	116	17
Cu	0	15	5	53	70	55	29	16	54	9
Ni	<5	<5	<5	117	114	159	126	5	80	<5
V	16	126	26	217	208	220	356	19	267	16
Cr	5	<5	8	270	75	209	198	12	82	<5
REE and selected trace elements (ppm)										
La	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ce	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Nd	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sm	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Eu	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Tb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Yb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Lu	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ba	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Co	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cr	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cs	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Hf	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sc	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ta	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Th	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
U	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
A/CNK	1.01		1.07					0.95		0.98

Table DR2 (continued)

Sample	C7025	C7321	C7327	C7377	C7378	C7382	C7383	C7385	C7389	C7391
Unit	14	3	?14	4A	4A	4	4	10R	10R	?7
Major elements by XRF (wt%)										
SiO_2	75.70	68.25	69.58	71.79	72.05	74.86	74.03	70.11	67.72	70.96
TiO_2	0.28	0.55	0.60	0.28	0.28	0.17	0.20	0.39	0.67	0.54
Al_2O_3	11.30	15.26	14.29	13.67	13.39	12.41	12.59	14.09	15.35	14.16
Fe_2O_{3t}	3.54	2.76	4.03	3.05	3.26	2.78	3.00	2.98	3.98	3.10
MnO	0.08	0.05	0.04	0.04	0.03	0.01	0.02	0.04	0.05	0.03
MgO	0.34	1.20	0.61	0.08	0.00	0.00	0.00	0.40	0.65	0.33
CaO	0.36	1.42	1.15	0.94	0.44	0.19	0.62	1.45	1.13	1.47
Na_2O	1.89	2.76	4.29	4.29	4.57	4.08	3.76	3.78	4.68	4.61
K_2O	5.57	5.90	4.29	5.25	4.84	4.54	4.91	4.77	4.84	4.60
P_2O_5	0.04	0.12	0.19	0.05	0.02	0.01	0.01	0.07	0.13	0.09
L.O.I	1.20	1.00	0.80	0.50	0.20	0.10	0.50	0.30	0.40	0.30
Total	100.30	99.27	99.87	99.94	99.08	99.15	99.64	98.38	99.60	100.19
Trace elements by XRF (ppm)										
Ba	212	1160	711	591	567	94	160	723	803	702
Rb	186	239	155	202	142	141	188	175	169	110
Sr	66	169	137	42	45	16	59	103	118	124
Y	135	24	59	89	92	95	105	46	46	54
Zr	853	256	296	583	582	680	820	318	469	521
Nb	64	14	27	40	41	51	53	24	25	28
Th	19	22	16	19	18	23	25	17	16	20
Pb	<10	10	<10	<10	19	12	<10	17	24	<10
Ga	30	15	17	23	24	25	26	19	19	17
Zn	18	22	21	41	74	12	11	14	18	7
Cu	<5	<5	<5	<5	15	<5	<5	<5	7	5
Ni	8	7	7	<5	<5	<5	7	6	6	7
V	13	61	36	<5	<5	6	<5	22	31	20
Cr	21	12	<5	<5	5	<5	5	14	8	8
REE and selected trace elements by INAA (ppm)										
La	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ce	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Nd	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sm	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Eu	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Tb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Yb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Lu	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ba	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Co	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cr	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cs	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Hf	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sc	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ta	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Th	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
U	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
A/CNK	1.15	1.13	1.04	0.95	0.99	1.04	1.00	1.01	1.02	0.93

Table DR2 (continued)

Sample	C7392	C7393	C7394	C7395	C7397	C6679	42-1-1
Unit	5	10R	?10	?7	10R	12	?19
Major elements by XRF (wt%)							
SiO_2	48.01	72.72	70.68	74.11	74.45	46.91	48.12
TiO_2	1.52	0.32	0.37	0.20	0.25	3.69	1.95
Al_2O_3	15.79	13.88	14.27	13.22	13.15	12.86	15.18
Fe_2O_{3t}	11.17	2.63	2.19	1.64	2.07	16.30	10.98
MnO	0.20	0.03	0.04	0.02	0.01	0.35	0.20
MgO	7.77	0.20	0.47	0.03	0.05	4.81	6.63
CaO	10.19	0.70	1.73	0.54	0.53	9.31	8.65
Na_2O	2.48	4.62	4.43	3.27	3.85	3.39	2.70
K_2O	1.53	5.02	4.52	5.85	5.03	1.21	2.10
P_2O_5	0.22	0.05	0.06	0.03	0.04	0.92	0.45
L.O.I	1.50	0.10	0.40	0.10	0.80	0.60	1.40
Total	100.38	100.27	99.16	99.01	100.23	100.35	98.36
Trace elements by XRF (ppm)							
Ba	326	496	411	192	265	585	573
Rb	96	174	71	164	147	21	115
Sr	301	47	106	33	47	334	370
Y	25	59	58	44	44	52	35
Zr	126	392	326	261	269	211	195
Nb	9	30	26	27	35	21	14
Th	<10	20	17	22	16	<10	<10
Pb	10	13	<10	15	16	<10	<10
Ga	17	21	18	20	19	24	20
Zn	100	16	21	39	16	126	133
Cu	60	5	17	<5	<5	36	52
Ni	122	<5	7	<5	6	30	95
V	239	6	22	8	11	298	257
Cr	212	13	13	5	6	48	177
REE and selected trace elements by INAA (ppm)							
La	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ce	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Nd	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sm	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Eu	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Tb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Yb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Lu	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ba	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Co	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cr	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Cs	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Hf	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sb	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Sc	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Ta	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Th	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
U	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
A/CNK		0.97	0.93	1.04	1.03		