

TableS1\_Rene

Sample	Locality, borehole number, depth of sample	Rock Type	Latitude
R-704	Nahošín, borehole Na-15, 71.8 m	amphibole-biotite granodiorite	49°21'28.9"
R-705	Nahošín, borehole Na-15, 104.0 m	altered amphibole-biotite granodiorite	49°21'28.9"
R-706	Nahošín, borehole Na-15, 158.8 m	amphibole-biotite granodiorite	49°21'28.9"
R-707	Nahošín, borehole Na-15, 255.0 m	altered amphibole-biotite granodiorite	49°21'28.9"
R-708	Nahošín, borehole Na-15, 284.0 m	amphibole-biotite granodiorite	49°21'24.9"
R-709	Nahošín, borehole Na-16, 97.0 m	amphibole-biotite granodiorite	49°21'28.9"
R-710	Nahošín, borehole Na-16, 122.7 m	altered amphibole-biotite granodiorite	49°21'28.9"
R-711	Nahošín, borehole Na-16, 125.2 m	amphibole-biotite granodiorite	49°21'28.9"
R-712	Nahošín, borehole Na-16, 253.7 m	amphibole-biotite granodiorite	49°21'28.9"
R-713	Nahošín, borehole Na-18, 59.2 m	amphibole-biotite granodiorite	49°21'36.3"
R-714	Nahošín, borehole Na-18, 61.4 m	altered amphibole-biotite granodiorite	49°21'36.3"
R-715	Nahošín, borehole Na-18, 69.5 m	altered amphibole-biotite granodiorite	49°21'36.3"
R-716	Nahošín, borehole Na-18, 77.5 m	altered amphibole-biotite granodiorite	49°21'36.3"
R-752	Nahošín, borehole Na-15, 118.5 m	altered amphibole-biotite granodiorite	49°21'28.9"
R-780	Mečichov, borehole Mč-21A, 52.6 m	amphibole-biotite granodiorite	13°47'27.7"
R-782	Mečichov, borehole Mč-21A, 93.0 m	amphibole-biotite granodiorite	13°47'27.7"
R-783	Mečichov, borehole Mč-21A, 161.0 m	amphibole-biotite granodiorite	13°47'27.7"
R-784	Mečichov, borehole Mč-21A, 185.3 m	altered amphibole-biotite granodiorite	13°47'27.7"
R-787	Mečichov, borehole Mč-21A, 196.5 m	amphibole-biotite granodiorite	13°47'27.7"
R-794	Mečichov, borehole Mč-106, 292.1 m	amphibole-biotite granodiorite	13°47'36.6"
R-795	Mečichov, borehole Mč-106, 464.5 m	amphibole-biotite granodiorite	13°47'36.6"
R-796	Mečichov, borehole Mč-106, 551.0 m	amphibole-biotite granodiorite	13°47'36.6"
R-797	Mečichov, borehole Mč-105, 98.2 m	amphibole-biotite granodiorite	13°47'24.5"
R-977	Mečichov, borehole Mč-150, 99.0 m	amphibole-biotite granodiorite	13°47'6.0"
R-980	Mečichov, borehole Mč-150, 215.4 m	amphibole-biotite granodiorite	13°47'6.0"
R-981	Mečichov, borehole Mč-154, 394.0 m	altered amphibole-biotite granodiorite	13°47'5.8"
R-982	Mečichov, borehole Mč-159, 329.0 m	amphibole-biotite granodiorite	13°47'17.4"
R-985	Mečichov, borehole Mč-159, 94.1 m	altered amphibole-biotite granodiorite	13°47'17.4"
R-986	Mečichov, borehole Mč-154, 399.4 m	amphibole-biotite granodiorite	13°47'5.8"

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Sample	Longitude, WGS-84	SiO2	TiO2	Al2O3	Fe2O3	FeO	MnO	MgO	CaO	Na2O	K2O	P2O5	H2O+
R-704	13°49'43.7"	69.52	0.60	15.66	0.01	2.08	0.04	1.27	1.98	3.26	4.20	0.30	0.83
R-705	13°49'43.7"	68.34	0.60	15.62	1.22	1.38	0.04	1.54	0.90	3.48	4.47	0.36	0.97
R-706	13°49'43.7"	67.86	0.24	16.04	0.82	2.07	0.06	1.54	2.45	3.56	3.99	0.23	0.76
R-707	13°49'43.7"	62.86	0.50	17.25	1.31	2.22	0.07	1.94	1.84	3.93	4.87	0.48	0.68
R-708	13°49'38.6"	68.50	0.64	15.59	0.26	2.45	0.05	1.47	2.40	3.12	3.86	0.30	0.72
R-709	13°49'43.7"	68.87	0.58	15.63	0.44	1.80	0.05	1.19	2.36	3.58	3.98	0.36	0.81
R-710	13°49'43.7"	59.28	0.62	15.44	1.30	1.80	0.10	1.74	5.25	3.73	4.12	0.42	1.29
R-711	13°49'43.7"	67.09	0.54	15.60	0.61	2.28	0.06	1.50	2.26	3.49	4.03	0.41	1.04
R-712	13°49'43.7"	65.86	0.66	16.53	0.72	2.32	0.06	1.69	2.36	3.53	3.68	0.36	1.50
R-713	13°49'41.8"	68.96	0.60	15.85	0.57	1.73	0.05	1.12	2.06	3.41	3.89	0.29	0.90
R-714	13°49'41.8"	65.41	0.49	15.28	0.25	2.25	0.04	1.48	3.37	3.43	2.90	0.35	1.34
R-715	13°49'41.8"	67.59	0.73	15.70	0.49	1.92	0.05	1.37	2.36	3.52	4.67	0.24	1.06
R-716	13°49'41.8"	66.74	0.61	15.33	0.51	1.79	0.05	1.20	2.54	3.34	4.72	0.41	0.37
R-752	13°49'43.7"	43.65	0.42	14.92	1.53	1.42	0.12	2.26	14.40	3.46	3.55	0.20	1.26
R-780	49°20'42.4"	63.38	0.71	16.02	0.80	3.55	0.07	2.65	3.25	3.06	4.11	0.26	0.86
R-782	49°20'42.4"	64.77	0.61	16.01	0.64	3.27	0.06	2.36	3.16	3.08	3.81	0.22	0.79
R-783	49°20'42.4"	65.07	0.59	15.54	0.57	3.12	0.06	2.26	2.98	2.87	4.23	0.21	0.86
R-784	49°20'42.4"	61.81	0.69	15.57	0.98	3.34	0.08	2.82	2.04	3.48	4.84	0.25	0.97
R-787	49°20'42.4"	66.62	0.51	15.53	0.70	2.76	0.06	2.24	2.81	3.39	4.14	0.20	0.77
R-794	49°20'33.7"	63.26	0.67	16.28	0.83	3.46	0.07	2.65	3.45	3.25	3.89	0.22	0.64
R-795	49°20'33.7"	62.40	0.82	15.26	0.74	4.33	0.08	3.24	3.51	2.66	3.48	0.27	1.44
R-796	49°20'33.7"	60.93	0.74	16.32	0.96	4.09	0.09	3.44	4.13	3.21	3.57	0.31	0.78
R-797	49°20'32.4"	64.38	0.48	15.57	0.55	3.34	0.06	2.09	3.12	3.27	4.18	0.23	0.90
R-977	49°19'8.2"	63.25	0.59	16.07	0.45	3.60	0.08	2.73	3.06	2.75	4.48	0.25	1.40
R-980	49°19'8.2"	68.33	0.30	15.89	0.15	2.04	0.05	1.02	1.53	2.84	5.99	0.23	1.69
R-981	49°19'32.3"	58.97	0.39	16.20	1.00	1.94	0.05	1.88	4.23	5.38	4.25	0.17	1.20
R-982	49°19'52.1"	64.76	0.52	15.86	0.64	2.99	0.06	2.27	3.30	2.91	3.28	0.20	0.60
R-985	49°19'52.1"	66.40	0.28	14.40	0.49	1.98	0.05	1.59	2.34	2.18	6.15	0.13	1.50
R-986	49°19'32.3"	62.11	0.79	16.87	0.74	4.08	0.08	3.00	3.68	2.95	3.55	0.25	0.70

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Sample	H2O-	CO2	Total	A/CNK	Ba	Rb	Sr	Nb	Zr	Y	Ga	Ni	Pb	Zn	Th	U
R-704	0.00	0.14	99.89	1.16	1165	161	410	11	144	23	19	7	51	31	18	9
R-705	0.00	0.77	99.69	1.28	1019	214	260	15	150	29	17	8	45	37	20	89
R-706	0.02	0.20	99.84	1.10	1151	139	473	8	158	29	21	9	50	41	20	9
R-707	0.08	1.59	99.62	1.14	1247	199	358	10	176	27	20	12	40	38	19	59
R-708	0.02	0.19	99.57	1.14	1167	160	421	9	170	21	20	11	49	42	21	9
R-709	0.00	0.12	99.77	1.08	1144	146	453	8	141	23	18	7	55	30	20	8
R-710	0.02	4.49	99.60	0.77	1191	211	320	24	166	45	13	11	68	31	16	366
R-711	0.02	0.61	99.54	1.10	1178	164	459	13	158	36	18	8	45	33	14	9
R-712	0.02	0.34	99.63	1.17	1284	138	506	9	172	30	19	9	44	40	17	7
R-713	0.04	0.15	99.61	1.17	1044	166	383	11	135	25	16	7	56	30	24	14
R-714	0.10	2.85	99.54	1.02	182	169	79	15	148	28	16	10	54	49	13	12
R-715	0.06	0.18	99.94	1.04	1031	140	383	10	157	28	19	11	47	36	14	8
R-716	0.08	1.95	99.64	1.01	722	175	210	12	141	27	20	7	58	27	16	12
R-752	0.33	11.30	98.82	0.42	659	160	185	22	322	33	7	9	39	25	0	378
R-780	0.10	0.00	98.82	1.04	1562	101	466	11	223	29	23	20	48	55	15	8
R-782	0.17	0.00	98.95	1.07	1330	98	373	13	196	34	24	16	53	52	16	12
R-783	0.23	0.00	98.59	1.06	1308	126	387	14	203	32	25	17	55	49	22	11
R-784	0.22	1.25	98.34	1.06	1288	155	233	13	206	29	26	19	34	49	24	11
R-787	0.20	0.00	99.93	1.02	1119	121	306	14	164	33	20	16	55	44	21	8
R-794	0.15	0.00	98.82	1.03	1284	105	261	14	195	29	25	18	35	50	13	8
R-795	0.20	0.00	98.43	1.05	1557	102	435	13	231	28	18	27	41	61	18	2
R-796	0.27	0.20	99.04	0.98	1432	88	349	12	190	23	18	26	42	62	7	7
R-797	0.26	0.10	98.53	1.00	1253	99	312	11	160	28	16	13	57	40	22	11
R-977	0.10	0.33	99.14	1.08	1370	189	440	11	186	19	16	17	65	49	13	4
R-980	0.20	0.10	100.36	1.14	2560	133	323	10	81	32	12	16	66	48	2	2
R-981	0.06	3.38	99.10	0.77	1710	100	276	17	195	11	10	14	35	52	28	391
R-982	0.11	0.40	97.90	1.11	1060	131	337	9	149	11	12	22	27	70	8	4
R-985	0.22	1.58	99.29	0.99	2250	152	435	9	121	10	11	13	34	37	12	4
R-986	0.30	0.00	99.10	1.10	1400	128	427	12	236	20	17	28	27	89	14	3

TableS1\_Rene

Sample	Locality, borehole number, depth of sample	Rock Type	Latitude
R-989	Mečichov, borehole Mč-159, 175.5 m	amphibole-biotite granodiorite	13°47'17.4"
R-990	Mečichov, borehole Mč-159, 265.6 m	amphibole-biotite granodiorite	13°47'17.4"
Detection limits			

TableS1\_Rene

Sample	Longitude, WGS-84	SiO <sub>2</sub>	TiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	FeO	MnO	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O	P <sub>2</sub> O <sub>5</sub>	H <sub>2</sub> O+
R-989	49°19'52.1"	60.16	0.61	17.57	0.85	3.88	0.08	3.04	3.50	3.16	3.84	0.67	1.20
R-990	49°19'52.1"	63.05	0.70	16.40	0.57	4.00	0.08	3.03	3.35	2.83	3.76	0.25	0.70
Detection limits	wt %	0.1	0.01	0.01	0.01	0.03	0.001	0.01	0.01	0.01	0.01	0.005	0.05

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Sample	H2O-	CO2	Total	A/CNK	Ba	Rb	Sr	Nb	Zr	Y	Ga	Ni	Pb	Zn	Th	U
R-989	0.46	0.04	99.06	1.12	1140	141	332	18	169	41	18	29	43	102	11	8
R-990	0.26	0.04	99.02	1.11	1350	143	367	14	192	24	14	30	41	100	12	6
Detection limits	0.05	0.05		ppm	50	5	8	5	10	5	5	5	5	5	1.5	2.0