

RB1 core

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	A
Depth (m)	0.5	4.7	8.4	9.3	10.0	10.1	15.6	16.4	16.9	17.9	18.5	24.5	26.5	27.4	27.6	27.9	29.9	21.85
Mineralogial analyses (wt%)																		
Quartz	21	35	17	19	14	18	33	14	12	37	19	28	26	15	25	41	39	27
Calcite	6	15	37	12	25	20	15	31	30	12	6	5	5	10	1	2	5	3
Dolomites	21	34	32	15	16	19	31	25	22	27	22	31	37	13	1	14	14	19
Plagioclase	6	10	5	4	3	4	11	3	2	12	6	9	10	10	13	20	19	10
K-feldspar	1	4	2	1	1	<1	2	1	1	3	1	3	2	1	3	5	7	3
Phyllosilicates	33	3	2	33	36	18	8	25	26	10	38	17	19	45	21	19	11	29
Am.XRD	14	<1	5	16	4	20	<1	1	7	<1	8	7	2	6	36	<1	4	9

Chemical analyses (wt%)

SiO2	40.65	45.17	23.97	37.94	32.77	30.81	44.13	28.88	27.34	49.21	39.58	43.50	39.15	42.14	45.90	59.94	61.30	
TiO2	0.64	0.14	0.10	0.39	0.39	0.30	0.23	0.23	0.31	0.21	0.30	0.29	0.26	0.41	0.45	0.53	0.28	
Al2O3	14.00	5.62	3.29	13.19	12.96	8.96	6.23	8.33	9.64	7.25	14.62	9.13	8.95	16.18	11.84	12.40	10.94	
Fe2O3 tot	5.03	1.25	0.75	4.17	4.72	2.82	1.90	2.92	3.99	1.82	5.36	2.95	2.93	5.67	3.45	3.13	2.43	
MnO	0.13	0.02	0.02	0.06	0.09	0.04	0.04	0.06	0.08	0.03	0.08	0.04	0.05	0.11	0.04	0.04	0.03	
MgO	5.30	5.36	5.97	4.90	4.31	4.79	5.29	5.26	5.48	4.92	5.81	7.17	7.82	3.82	1.35	3.13	2.51	
CaO	10.79	19.54	32.44	12.50	18.70	18.48	19.22	24.23	24.18	15.62	12.22	13.74	15.83	11.34	2.21	6.47	8.03	
Na2O	0.92	1.07	0.52	0.76	0.58	0.72	1.25	0.64	0.58	1.34	0.93	1.19	1.08	1.38	1.53	2.17	2.16	
K2O	2.73	1.47	0.71	2.92	2.87	1.94	1.45	1.82	2.16	1.88	3.50	2.21	2.14	3.55	2.49	2.95	2.85	
P2O5	0.17	0.05	0.04	0.11	0.10	0.11	0.07	0.11	0.11	0.07	0.13	0.09	0.09	0.15	0.16	0.10	0.09	
L.O.I.	19.04	20.51	31.89	22.63	22.15	31.27	20.23	27.35	26.51	17.45	17.35	19.55	21.32	15.16	30.42	8.68	9.49	
Tot	99.40	100.20	99.70	99.58	99.64	100.24	100.04	99.83	100.38	99.80	99.88	99.86	99.62	99.91	99.84	99.53	100.11	
N (%)	0.15			0.14		0.33			0.03						0.76			
Corg (%)	1.28			3.18		5.62			0.40						14.70			

ppm

As	32	20	1	55	23	84	18	19	11	0	<1	12	2	20	103	20	4.6	
Cd	2.9	0	0	0	0	1	0	<1	0	0	1	0	0	2	2	0	0	
Cr	80	19	8	47	28	72	8	38	34	11	82	23	37	79	61	51	20	
Cu	34	6	1	21	6	30	5	19	9	2	29	5	19	33	25	10	7	
Ni	35	3	3	44	14	31	4	22	15	9	25	6	17	29	17	40	18	
Sr	92	138	155	144	159	160	82	139	123	68	100	71	69	83	69	96	82	
Zn	114	127	18	84	78	227	44	67	57	28	121	37	2	132	51	77	58	

PM1 core

	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q
Depth (m)	5.2	6.7	9.0	11.1	12.5	13.5	14.2	15.4	16.8	17.9	18.3	19.5	20.3	24.1	29.5
Mineralogial analyses (wt%)															
Quartz	17	28	22	15	29	14	18	12	31	17	15	33	13	15	35
Calcite	19	11	1	22	17	0	0	27	16	35	31	15	30	1	2
Dolomites	14	8	26	26	11	12	13	14	23	9	10	38	25	21	18
Plagioclase	5	12	6	3	5	5	5	2	9	3	5	7	2	3	11
K-feldspar	0	2	1	0	2	1	1	1	3	1	0	1	0	0	5
Phyllosilicates	29	21	20	18	18	25	13	22	7	15	27	5	18	42	17
Am.XRD	15	19	25	16	18	43	49	22	11	20	12	1	12	17	12

Chemical analyses (wt%)

SiO2	37.84	47.85	36.44	30.89	42.21	35.91	29.75	29.15	44.75	27.94	30.04	42.39	29.12	39.09	54.13
TiO2	0.29	0.24	0.26	0.23	0.24	0.35	0.27	0.26	0.18	0.22	0.25	0.17	0.26	0.30	0.36
Al2O3	11.63	9.43	9.38	8.88	8.83	12.86	8.90	10.59	5.27	6.27	9.83	4.84	9.77	15.42	11.23
Fe2O3 tot	4.05	2.79	2.78	2.88	3.01	4.15	2.81	3.94	1.29	1.93	3.01	1.21	3.57	4.91	3.03
MnO	0.07	0.05	0.03	0.05	0.06	0.04	0.03	0.07	0.03	0.04	0.06	0.03	0.06	0.07	0.05
MgO	4.16	4.76	5.54	5.61	5.00	3.26	2.71	3.93	4.56	4.34	5.11	6.11	4.77	6.04	4.44
CaO	16.95	14.48	10.65	22.42	17.65	4.95	5.05	23.73	19.51	25.48	22.95	19.35	23.98	10.20	9.99
Na2O	0.78	1.27	0.86	0.66	1.12	0.95	0.75	0.63	1.09	0.66	0.75	0.98	0.58	0.86	1.73
K2O	2.66	2.08	1.85	1.91	1.79	2.56	1.54	2.29	1.37	1.33	2.16	1.18	2.08	3.43	2.39
P2O5	0.15	0.18	0.24	0.23	0.21	0.18	0.30	0.36	0.19	0.28	0.20	0.22	0.20	0.18	0.09
L.O.I.	21.02	16.77	31.94	26.11	19.91	34.39	47.59	24.81	21.31	31.11	25.35	23.34	25.65	19.49	12.47
Tot	99.60	99.90	99.97	99.87	100.03	99.60	99.70	99.76	99.55	99.60	99.71	99.82	100.04	99.99	99.91
N (%)			0.38			0.64	1.13			0.24				0.14	
Corg (%)			7.25			14.46	21.90			3.04				1.75	

ppm

As	4	35	87	15	6	181	220	15	23	27	19	31	20	60	13
Cd	6	3	5	5	6	10	12	7	13	8	3	8	14	11	10
Cr	54	29	39	44	33	55	69	66	16	34	46	22	58	69	53
Cu	30	24	26	22	23	27	32	25	31	21	22	12	20	37	24
Ni	25	33	24	21	28	18	18	15	16	12	13	8	9	6	2
Sr	194	119	80	170	174	82	80	241	130	206	199	109	264	89	132
Zn	228	135	132	130	268	142	164	153	143	127	180	111	133	267	263