

Sample	Curated depth (m)	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MnO	MgO	CaO	Na ₂ O	K ₂ O	P ₂ O ₅	LOI	Mg#
1R1 40-46	-0.40	39.673	0.013	0.816	7.346	0.110	39.862	0.897	0.050	0.010	0.008	11.380	0.927
2R1 31-37	-12.27	39.069	0.049	0.788	8.341	0.004	39.426	0.658	0.060	0.010	0.011	11.440	0.917
2R1 31-37	-12.27	39.069	0.049	0.788	8.341	0.004	39.426	0.658	0.060	0.010	0.011	11.440	0.917
3R1 61-71	-17.51	37.892	0.010	0.511	7.646	0.107	40.508	0.515	0.043	0.010	0.008	12.280	0.925
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4R1 30-36	-21.60	39.078	0.024	0.707	7.655	0.106	40.667	0.677	0.065	0.010	0.006	11.260	0.925
5R2 25-35	-27.99	37.936	0.010	0.571	7.502	0.108	40.791	0.414	0.046	0.008	0.008	13.320	0.927
6R3 24-34	-33.06	39.616	0.012	0.635	7.650	0.111	40.770	0.848	0.051	0.010	0.008	10.480	0.925
7R1 68-74	-36.48	38.920	0.009	0.718	7.556	0.108	40.289	0.617	0.056	0.011	0.008	12.210	0.926
8R1 73-88	-40.72	35.688	0.006	0.126	8.135	0.104	42.472	0.195	0.073	0.009	0.007	12.210	0.924
8R2 1-6	-41.48	33.188	0.009	0.751	8.015	0.108	41.329	0.123	0.054	0.007	0.007	14.830	0.923
11R1 56-65	-55.46	38.658	0.009	0.639	7.290	0.107	39.897	0.634	0.050	0.008	0.007	12.690	0.927
12R2 35-41	-55.46	38.658	0.014	0.639	7.290	0.109	39.897	0.634	0.067	0.009	0.008	13.070	0.927
12R2 35-41	-59.75	38.685	0.014	0.704	7.208	0.109	39.447	0.673	0.067	0.009	0.008	13.070	0.927
13R1 8-14	-64.48	36.676	0.012	0.591	7.312	0.104	38.817	0.275	0.065	0.010	0.008	14.550	0.925
15R1 106-112	-75.06	35.404	0.010	0.175	7.763	0.097	40.987	0.129	0.048	0.008	0.009	15.420	0.925
16R2 26-38	-85.40	35.716	0.015	0.198	7.649	0.090	41.076	0.132	0.063	0.009	0.007	15.360	0.926
16R2 26-38	-85.40	35.716	0.015	0.198	7.649	0.090	41.076	0.132	0.063	0.009	0.007	15.360	0.926
17R2 27-33	-88.57	37.682	0.017	0.749	7.186	0.103	39.262	0.255	0.080	0.010	0.006	14.430	0.927
20R1 96-102	-103.86	34.170	0.010	0.273	7.914	0.103	41.997	0.037	0.059	0.008	0.008	15.280	0.925
20R1 96-102	-103.86	34.170	0.010	0.273	7.914	0.103	41.997	0.037	0.059	0.008	0.008	15.280	0.925
24R1 16-26	-131.96	37.159	0.059	0.752	7.660	0.108	38.225	0.280	0.271	0.013	0.016	13.740	0.921
25R1 63-69	-137.13	36.577	0.017	0.477	7.350	0.092	39.601	0.040	0.071	0.015	0.006	15.080	0.926
26R1 76-82	-142.26	36.388	0.016	0.518	7.371	0.078	39.973	0.135	0.100	0.009	0.009	15.010	0.927
27R1 130-140	-147.40	38.079	0.012	0.479	7.482	0.095	40.909	0.373	0.184	0.012	0.011	12.730	0.927

Table B.3.1. Whole rock major element abundances from Hole 1274A, Ocean Drilling Program Leg 209. All major element oxides expressed as weight %. Measurements performed by XRF spectroscopy at The Open University.

