MS 304305-103, Table T11. Major oxide and trace element compositions, Hole U1309D.

Core, section, interval (cm)	Piece	Depth (mbsf)	Thin section	Igneous unit	Lithology	Rock name	Major element oxides (wt%)											LOI (wt%)	Mg# (%)	FeOT	Volatiles (wt%)		Trace elements (ppm)									
							SiO_2	Al_2O_3	Fe_2O_3	MgO	MnO	CaO	Na_2O	K_2O	P_2O_5	TiO_2	Total				CO_2	H_2O	Cr	Ni	Ba	Sr	V	Y	Zr	Sc	Co	Cu
305-U1309D-																																
80R-2, 19–28	1B	402.85	259	213	Troctolitic gabbro	Olivine gabbro	47.5	16.7	5.9	18.7	0.10	11.5	0.93	0.079	BDL	0.16	101.6	4.96	86.4	5.3	0.08	3.25	1834.5	603.2	BDL	59.1	72.2	5.4	BDL	19.0	55.5	BDL
80R-2, 104–114	6	403.70	261	213	Olivine gabbro	Olivine gabbro	46.3	12.6	6.5	20.0	0.11	11.7	0.74	0.053	BDL	0.19	98.1	5.04	86.0	5.9	0.08	3.74	2457.3	590.5	BDL	42.5	110.9	6.6	BDL	27.4	53.5	BDL
81R-3, 33–43	2	408.72	264	217	Gabbro	Olivine-bearing gabbro	50.4	14.0	5.9	11.7	0.12	14.2	1.76	0.020	BDL	0.26	98.4	2.55	79.7	5.3	0.08	1.44	479.9	163.9	BDL	74.5	171.1	7.4	BDL	46.1	39.9	BDL
82R-2, 102–111	6	412.70	266	218	Olivine gabbro	Olivine gabbro	46.2	12.3	8.0	21.7	0.13	10.9	0.96	0.015	BDL	0.19	100.3	2.97	84.5	7.2	0.09	1.61	2023.1	621.5	BDL	47.5	110.0	6.4	BDL	27.2	62.7	BDL
83R-1, 98–107	3B	416.03	268	220	Olivine gabbro	Olivine gabbro	46.1	13.8	7.1	21.8	0.12	10.2	0.73	0.039	BDL	0.17	100.1	5.67	86.0	6.4	0.09	4.66	1454.1	791.2	BDL	54.4	77.9	5.3	BDL	19.5	64.9	BDL
83R-2, 32–42	1A	416.52	269	222	Troctolite	Olivine gabbro	42.8	13.0	7.0	22.2	0.11	10.7	0.74	0.042	BDL	0.17	96.7	5.42	86.3	6.3	0.07	3.64	1591.9	724.7	BDL	49.7	99.6	5.7	BDL	19.7	64.3	BDL
84R-3, 55–64	1	422.83	271	224	Olivine-bearing gabbro	Olivine gabbro	49.8	18.4	6.4	11.1	0.09	13.5	2.00	0.029	BDL	0.25	101.7	5.77	77.6	5.8	BDL	2.21	470.8	250.9	BDL	87.9	127.7	7.2	BDL	28.9	43.8	BDL
85R-2, 115–124	1	427.05	272	226	Olivine gabbro	Olivine gabbro	45.5	14.1	7.4	20.2	0.10	11.1	0.61	0.032	BDL	0.16	99.1	9.28	84.5	6.7	0.05	4.39	2088.0	659.5	BDL	55.2	99.1	4.6	BDL	24.0	59.9	BDL
86R-3, 102–110	7	433.45	276	231	Troctolite	Olivine gabbro	45.3	19.0	7.4	13.7	0.12	11.3	1.32	0.057	BDL	0.12	98.3	5.02	78.9	6.6	0.05	3.65	330.8	344.0	BDL	93.7	61.1	10.2	78.8	17.6	58.4	BDL
87R-2, 80–93	3	436.53	277	234	Oxide gabbro	Oxide gabbro	47.9	10.3	14.5	7.3	0.38	11.4	2.48	0.034	BDL	6.13	100.5	1.74	50.0	13.1	0.07	1.36	BDL	72.9	BDL	95.3	454.8	50.3	137.9	53.7	112.2	BDL
88R-4, 30–40	1	442.35	280	235	Olivine gabbro	Olivine gabbro	48.0	15.2	6.1	18.8	0.11	12.5	1.01	0.020	BDL	0.19	101.9	2.79	86.0	5.5	0.06	1.73	2068.9	604.2	BDL	51.2	105.2	6.4	BDL	24.9	53.8	BDL
89R-2, 123–129	5	446.46	285	236	Olivine gabbro	Olivine gabbro	50.4	21.5	7.2	9.9	0.10	11.6	2.03	0.044	BDL	0.27	103.0	3.55	73.2	6.5	0.06	3.08	175.3	268.4	BDL	102.0	59.9	5.1	BDL	11.4	56.4	BDL
91R-2, 56–65	7B	455.49	291	239	Olivine gabbro	Olivine gabbro	47.0	22.2	6.4	13.6	0.09	11.0	1.12	0.189	BDL	0.09	101.6	4.97	81.1	5.7	0.12	3.88	198.5	483.0	25.0	112.8	30.4	2.8	BDL	6.9	47.8	BDL
91R-2, 81–91	10	455.74	291	239	Olivine gabbro	Olivine gabbro	47.1	23.8	4.7	11.3	0.06	12.4	1.56	0.028	BDL	0.09	101.0	2.87	82.8	4.2	BDL	2.13	147.8	373.1	BDL	92.1	30.6	2.4	BDL	5.9	34.2	BDL
92R-1, 103–115	6C	459.29	292	240	Olivine-bearing gabbro	Olivine-bearing gabbro	51.4	15.9	6.1	12.2	0.11	13.3	1.64	0.025	BDL	0.21	101.0	3.42	79.9	5.5	0.05	2.54	458.7	235.8	BDL	75.3	128.2	7.0	BDL	31.6	44.8	BDL
93R-1, 11–16	4	463.14	293	240	Gabbro	Leucocratic gabbro	52.1	16.9	3.9	3.0	0.07	13.5	4.97	0.078	1.25	3.90	99.7	2.25	61.0	3.5	0.06	1.18	BDL	BDL	14.3	286.7	88.1	236.9	1151.5	33.7	53.9	BDL
94R-1, 66–76	6	468.31	296	240	Olivine-bearing gabbro	Olivine-bearing gabbro	50.1	16.3	4.7	9.5	0.11	14.9	1.95	0.060	BDL	0.32	98.0	2.64	79.9	4.3	0.06	1.18	709.2	113.3	BDL	85.6	172.3	10.8	BDL	43.5	24.5	BDL
94R-3, 18–26	5A	470.99	298	241	Diabase	Diabase	51.4	14.7	9.3	9.3	0.18	11.7	2.30	0.037	BDL	1.42	100.5	3.41	66.5	8.4	0.10	2.66	322.3	124.7	BDL	103.0	278.8	33.4	90.2	42.0	58.8	BDL
95R-3, 39–51	2	475.83	—	242	Olivine-bearing gabbro	Olivine-bearing gabbro	50.1	16.3	5.9	11.5	0.11	14.1	1.62	0.042	BDL	0.34	100.0	3.27	79.6	5.3	0.05	2.33	575.1	263.2	BDL	78.8	155.3	10.3	BDL	36.7	40.5	BDL
97R-1, 8–18	1	482.33	301	246	Olivine-bearing gabbro	Olivine-bearing gabbro	51.4	12.8	7.3	11.3	0.13	14.0	1.84	0.025	BDL	0.33	99.2	2.51	75.6	6.6	0.11	2.42	749.9	192.9	BDL	74.7	191.0	11.0	BDL	46.1	45.4	BDL
98R-3, 26–44	2B	490.05	305	246	Olivine-bearing gabbro	Olivine-bearing gabbro	51.5	15.9	6.2	11.0	0.11	14.4	1.87	0.057	BDL	0.28	101.3	3.00	77.9	5.6	0.09	1.23	1334.3	206.9	BDL	90.5	143.1	9.0	BDL	34.5	37.1	BDL
100R-1, 50–55	1B	497.13	309	250	Troctolite	Troctolite	44.2	8.4	9.7	30.9	0.14	6.2	0.53	0.032	BDL	0.11	100.3	5.83	86.5	8.7	0.09	3.85	966.1	1068.9	BDL	44.2	52.2	3.6	BDL	14.3	92.3	BDL
101R-3, 0–14	1A	503.89	310	258	Olivine-bearing gabbro	Olivine-bearing gabbro	49.9	17.3	5.2	11.0	0.09	15.4	1.48	0.091	BDL	0.18	100.6	3.44	80.9	4.7	0.22	1.81	1924.2	224.8	BDL	83.1	121.9	6.1	BDL	31.8	36.7	BDL
102R-1, 99–109	6B	507.24	312	260	Troctolitic gabbro	Olivine gabbro	50.2	17.7	5.3	10.4	0.10	13.9	1.68	0.020	BDL	0.26	99.5	2.76	79.6	4.8	BDL	1.02	1622.7	257.8	BDL	83.6	116.0	8.8	BDL	26.8	39.3	BDL
103R-1, 18–23	1A	511.21	314	264	Diabase	Microgabbro	53.7	17.0	5.8	9.5	0.12	13.2	2.34	0.021	BDL	0.30	101.8	2.30	76.7	5.2	0.05	0.55	188.1	116.1	BDL	90.6	173.2	9.3	BDL	41.3	31.3	BDL
104R-2, 37–45	1B	517.53	316	267	Troctolite	Olivine gabbro	47.1	15.8	7.9	17.1	0.13	11.4	1.38	0.019	BDL	0.23	100.9	2.38	81.2	7.1	0.04	1.21	804.8	426.4	BDL	78.4	87.6	6.7	BDL	21.3	68.3	122.7
105R-3, 26–34	2	523.49	318	271	Olivine gabbro	Olivine gabbro	48.5	22.2	6.9	11.1	0.11	11.4	1.88	0.033	BDL	0.15	102.3	3.67	76.3	6.2	0.08	2.56	124.1	233.8	BDL	103.1	50.6	4.1	BDL	10.8	48.6	BDL
107R-2, 34–44	1	531.59	320	274	Olivine-bearing gabbro	Olivine-bearing gabbro	51.8	16.4	5.5	9.6	0.10	13.3	2.00	0.021	BDL	0.26	99.1	2.72	77.8	5.0	BDL	0.81	632.9	143.5	BDL	88.3	160.9	9.2	BDL	40.5	33.6	BDL
109R-2, 77–95	3	542.01	321	282	Olivine-bearing gabbro	Olivine-bearing gabbro	51.0	14.2	6.1	11.5	0.12	14.8	1.61	0.023	BDL	0.32	99.7	2.40	79.0	5.5	BDL	0.82	721.8	165.7	BDL	70.6	187.6	10.8	BDL	48.2	36.4	BDL
111R-2, 6–15	1	550.81	327	291	Troctolitic gabbro	Olivine gabbro	42.4	11.0	9.1	26.9	0.14	7.0	0.66	BDL	BDL	0.08	97.3	5.10	85.5	8.2	0.20	3.14	1335.5	1214.2	BDL	49.0	38.8	2.5	BDL	10.8	92.5	BDL
111R-3, 131–138	3B	553.47	328	292	Troctolite	Troctolite	41.2	7.0	10.2	35.6	0.15	4.0	0.36	BDL	BDL	0.07	98.6	7.69	87.4	9.2	0.09	6.27	4090.0	1575.0	BDL	31.6	53.3	BDL	BDL	8.0	114.5	BDL
113R-2, 7–22	1	560.47	330	297	Oxide gabbro	Oxide gabbro	42.1	12.0	22.1	4.4	0.26	9.0	3.02	0.040	0.29	4.37	97.7	1.20	28.3	19.9	BDL	0.56	59.0	78.9	BDL	105.2	999.7	56.0	96.8	37.1	95.5	BDL
113R-2, 146–150	3D	561.80	—	300	Microgabbro	Microgabbro	49.2	18.7	8.1	12.0	0.13	11.0	1.78	0.030	BDL	0.30	101.2	4.22	74.7	7.3	BDL	2.88	462.3	279.9	BDL	81.0	89.9	9.4	BDL	21.7	59.7	BDL
114R-3, 29–37	1B	566.73	332	305	Olivine gabbro	Olivine-bearing gabbro	47.0	21.0	4.1	9.3	0.07	14.4	1.68	0.015	BDL	0.20	97.7	2.51	81.8	3.7	0.05	0.92	869.2	174.4	BDL	92.5	90.3	6.2	BDL	21.4	21.4	BDL
116R-3, 67–77	1D	576.04	335	310	Gabbro	Leucocratic gabbro	53.0	15.3	8.0	6.6	0.14	11.8	3.43	0.052	1.34	1.17	100.8	2.11	62.2	7.2	0.12	0.61	BDL	BDL	BDL	192.8	69.5	298.8	219.7	46.4	46.4	BDL
117R-1, 41–51	3C	578.66	337	314	Olivine gabbro	Olivine gabbro	48.9	14.0	6.7	18.8	0.11	12.3	1.01	0.014	BDL	0.15	102.0	2.21	84.9	6.0	0.03	0.81	1335.1	395.1	BDL	57.1	97.2	4.7	BDL	28.1	28.1	BDL
117R-4, 23–27	1	582.01	340	316	Microgabbro	Microgabbro	52.3	16.9	6.1	10.8	0.11	13.0	1.96	0.015	BDL	0.24	101.4	1.82	77.9	5.5	0.04	0.55	839.4	117.8	BDL	85.6	144.1	7.8	BDL	39.4	39.4	BDL
120R-2, 35–45	1	594.18	343	328	Olivine-bearing gabbro	Olivine-bearing gabbro	49.3	18.8	5.0	9.9	0.10	14.5	1.66	0.031	BDL	0.30	99.5	2.53	79.8	4.5	BDL	1.06	1206.3	181.9	BDL	85.9	137.0	10.1	BDL	33.2	33.2	BDL
121R-2, 26–36	1	598.69	345	330	Oxide gabbro	Gabbro	50.6	18.2	5.4	9.6	0.09	14.8	1.72	0.034	BDL	0.28	100.8	3.33	77.9	4.9	BDL	1.19	933.6	144.1	BDL	83.3	137.1	9.0	BDL	34.3	34.3	BDL
124R-4, 48–59	1D	615.94	347	330	Gabbro	Gabbro	53.6	15.8	8.5	8.5	0.16	10.9	2.82	0.035	BDL	0.39	100.9	2.07	66.6	7.7	BDL	0.49	BDL	BDL	BDL	100.5	186.6	12.6	BDL	41.6	41.6	BDL
126R-1, 90–104	3C	622.37	349	335	Gabbro	Gabbro	53.1	17.1	7.6	7.5	0.15	12.2	3.11	0.041	BDL	0.45	101.3	1.38	66.5	6.8	BDL	0.41	BDL	BDL	BDL	108.0	216.1	14.0	BDL	46.7	46.7	BDL
127R-1, 132–138	12	627.55	353	341	Diabase	Diabase	50.1	15.1	10.7	8.8	0.16	12.0	2.27	0.035	BDL	1.24	100.5	2.90	62.2	9.6	0.05	1.79	356.6	93.4	BDL	102.0	252.6	29.2	73.4	39.8	39.8	BDL
127R-2, 81–93	7B	628.57	—	143	Oxide gabbro	Oxide gabbro	50.8	12.3	14.5	6.0	0.24	11.7	2.98	0.063	0.95	1.02	100.4	1.63	45.2	13.0	0.06	0.61	BDL	BDL	BDL	103.2	161.7	132.3	251.1	58.3	58.3	BDL
128R-3, 38–48	2B	634.34	354	349	Leucocratic gabbro	Leucocratic gabbro	45.3	15.7	7.3	3.5	0.12	16.3	3.24	0.057	2.70	3.87	98.1	2.30	49.1	6.6	0.05	0.58	BDL	BDL	BDL	227.1	119.7	301.3	190.8	29.4	29.4	BDL
130R-1, 32–42	2C	640.97	356	353	Leucocratic amphibole gabbro	Oxide gabbro	40.3	13.1	20.5	3.1	0.34	10.5	3.36	0.059	3.25	4.57	99.2	2.09	23.4	18.5	0.08	0.87	BDL	BDL	BDL	133.3	85.3	233.0	144.3	30.1	30.1	BDL
132R-1, 36–45	3	650.61	360	356	Gabbro	Gabbro	53.9	16.4	7.9	8.2	0.15	12.1	2.69	0.030	BDL	0.44	101.7	1.35	67.6	7.1	0.04	0.29	171.7	70.2	BDL	103.6	175.3	18.5	BDL	40.4	36.4	BDL
133R-2, 45–51	2A	656.75	362	365	Gabbro	Gabbro	53.7	16.1	8.1	9.2	0.15	11.3	2.58	0.036	BDL	0.37	101.5	2.49	69.4	7.3	0.06	0.80	BDL	56.5	BDL	102.2	172.5	13.7	34.1	35.4	41.8	BDL
134R-2, 20–26	1B	661.18	363	365	Gabbro	Gabbro	54.0	16.3	8.4	9.0	0.17	11.7	2.42	0.027	BDL	0.40	102.5	1.93	68.2	7.6	BDL	0.63	425.9	99.4	BDL	98.5	190.5	11.4	BDL	41.0	44.6	BDL
135R-2, 55–65	4A	666.58	364	368	Olivine gabbro	Olivine-bearing gabbro	50.7	15.0	7.7	11.7	0.14	13.7	1.77	0.021	BDL	0.41	101.2	2.87	75.3	6.9	0.07	0.61	852.2	234.5	BDL	74.7	189.2	13.2	BDL	42.5	47.3	145.0
136R-2, 4–14	1B	670.85	367	375	Plaioclase-bearing wehrlite	Wehrlite	45.2	6.4	10.6	32.4	0.15	5.8	0.33	0.016	BDL	0.11	101.0	0.52	86.0	9.5	0.14	6.55	1264.8	1170.5	BDL	28.8	63.6	3.3	BDL	18.0	105.7	204.7
137R-2, 132–136	5	676.94	370	379	Amphibole-oxide gabbro	Oxide gabbro	38.2	8.6	29.9	5.2	0.37	9.3	1.91	0.020	1.00	8.10	102.5	1.31	25.7	26.9	0.07	0.77	BDL	BDL	BDL	75.7	413.4	70.7	119.7	55.7	147.7	BDL
138R-3, 69–78	1E	682.65	372	384	Gabbro	Gabbro	53.8	15.7	7.5	10.1	0.15	12.2	2.33	0.033	BDL	0.35	102.1	7.59	72.9	6.7	0.04	0.38	172.5	94.3	BDL	93.2	177.7	12.3	BDL	40.9	40.4	BDL
139R-3, 129–137	2D	687.89	—	386	Troctolite	Olivine gabbro	45.6	14.4	9.3	24.5	0.13	7.4	1.06	0.015	BDL	0.16	102.6	3.06	84.0	8.4	0.09	1.60	120.1	761.0	BDL	62.6	35.6	5.2	BDL	7.2	88.4	BDL
140R-2, 11–19	1C	689.66	374	388	Wehrlite	Wehrlite	47.4	4.9	13.3	29.9	0.26	3.3	0.33	0.026	BDL	0.46	99.9	9.99	81.8	11.9	0.75	8.23	247.6	1419.8	BDL	13.7	73.2	7.8	BDL	12.4	139.3	347.9
140R-3, 93–103	1E	693.36	377	390	Oxide gabbro	Oxide gabbro	46.6	12.8	20.0	5.3	0.30	9.8	3.06	0.052	1.25	3.06	102.2	2.51	34.4	18.0	BDL	0.66	BDL	BDL	BDL	115.8	216.7	105.3	68.0	44.0	75.5	BDL
142R-2, 68–76	2D	700.33	380	391	Olivine-bearing gabbro	Olivine-bearing gabbro	50.2	19.2	6.3	9.0	0.11	13.7	2.17	0.054	BDL	0.37	101.1	2.92	74.1	5.6	BDL	1.28	612.1	173.9	BDL	97.1	145.0	11.4	BDL	27.1	38.9	BDL
144R-1, 43–50	2A	708.27	382	391	Gabbro	Gabbro	49.8	16.2	7.9	12.0	0.13	13.6	1.56	0.035	BDL	0.37	101.6	2.99	75.2	7.2	0.05	1.64	1152.6	256.8	BDL	73.6	161.0	12.0	BDL	34.8	44.8	BDL
145R-1, 64–74	1E	713.29	383	391	Gabbro	Gabbro	51.7	18.0	6.1	7.7	0.10	13.3	2.63	0.036	BDL	0.33	99.9	2.36	71.8	5.5	BDL	0.59	366.9	90.0	BDL	109.7	160.5	10.7	BDL	35.1	32.4	BDL
145R-3, 29–35	1B	715.61	385	392	Olivine gabbro	Olivine gabbro	46.8	19.2	7.3	12.8	0.11	11.1	1.65	0.040	BDL	0.22	99.2	5.09	77.8	6.6	0.11	3.64	427.5	320.0	BDL	84.8	76.8	7.6	BDL	14.8	54.4	BDL
147R-2, 27–34	1C	724.01	388	395	Gabbro	Gabbro	52.6	15.9	7.8	9.7	0.14	12.3	2.34	0.042	BDL	0.45	101.2	2.38	71.5	7.0	0.07	1.10	221.9	88.5	BDL	90.3	183.3	15.5	BDL	39.7	40.9	BDL
148R-2, 34–44	1B	728.67	390	395	Oxide gabbro	Gabbro	52.6	17.1	6.9	7.5	0.13	12.8	2.75	0.039	BDL	0.45	100.2	1.96	68.5	6.2	BDL	0.54	83.5	58.6	BDL	100.3	196.7	16.2	BDL	41.7	34.8	BDL
149R-2, 10–20	1	733.45	393	395	Olivine-bearing gabbro	Olivine-bearing gabbro	50.8	17.4	5.6	10.1	0.11	14.4	1.75	0.021	BDL	0.27	100.4	2.63	78.5	5.0	0.06	1.56	720.4	166.6	BDL	79.0	156.3	9.2	BDL	36.0	33.4	BDL
150R-1, 72–84	2B	737.38	395	398	Gabbro	Olivine-bearing gabbro	49.8	18.8	4.6	10.5	0.09	15.0	1.47	0.035	BDL	0.21	100.5	3.19	82.0	4.2	0.05	1.07	1254.9	238.0	BDL	81.0	119.1	6.7	BDL	30.4	34.1	BDL
151R-2, 22–30	3	743.16	397	403	Gabbro	Gabbro	52.6	15.4	7.3	8.6	0.13	14.0	2.28	0.038	BDL	0.48	100.9	2.16	70.4	6.6	0.07	0.92	379.8	87.2	BDL	90.0	212.4	18.0	BDL	46.7	34.4	BDL
155R-2, 21–26	1B	759.18	402	412	Diabase	Diabase	50.5	14.0	13.1	7.1	0.18	10.7	2.75	0.049	BDL	1.72	100.3	2.44	52.1	11.8	0.06	1.61	158.7	87.6	BDL	101.8	321.3	40.4	105.4	41.2	59.1	BDL
157R-2, 81–89	8A	767.62	405	414	Olivine-bearing gabbro	Olivine-bearing gabbro	52.7	16.1	6.4	10.9	0.12	14.0	1.82	0.022	BDL	0.30	102.3	3.20	77.3	5.7	0.04	1.73	767.1	178.7	BDL	84.1	173.3	10.0	BDL	40.5	39.2	BDL
158R-1, 11–17	3	770.16	407	419	Leucocratic gabbro	Leucocratic gabbro	51.1	15.6	4.0	3.6	0.07	15.9	4.60	0.104	2.04	4.48	101.6	3.93	64.3	3.6	0.71	1.68	BDL	55.6	BDL	254.8	91.6	301.2	1179.5	40.7	81.0	BDL
158R-3, 43–57	1f	772.81	410	420	Gabbro	Gabbro	52.3	17.0	6.1	8.9	0.10	13.0	2.64	0.029	BDL	0.33	100.3	2.38	74.5	5.5	BDL	0.76	143.1	88.6	BDL	98.2	178.4	10.7	BDL	39.7	33.5	BDL
159R-1, 109–117	2	776.13	411	421	Gabbro	Olivine-bearing gabbro	49.4	15.5	6.9	11.9	0.12	14.3	1.60	BDL	BDL	0.35	100.1	2.56	77.6	6.2	0.05	0.96	1255.9	205.8	BDL	71.3	171.6	10.9	BDL	39.1	40.3	BDL
160R-2, 124–133	4C	782.59	414	423	Gabbro	Olivine-bearing gabbro	48.5	17.6	5.7	11.7	0.10	13.8	1.54	0.026	BDL	0.35	99.3	4.13	80.3	5.1	0.07	1.79	1222.9	259.1	BDL	78.1	134.9	9.8	BDL	5.6	40.0	BDL
161R-2, 51–60	5	786.55	418	428	Olivine gabbro	Olivine gabbro	48.3	17.8	7.8	13.5	0.07	10.5	1.73	0.026	BDL	0.16	99.8	4.49	77.7	7.0	0.11	2.70	515.8	289.4	BDL	80.1	70.4	4.4	BDL	16.6	57.6	BDL
162R-3, 72–86	3A	792.89	420	430	Gabbro	Orthopyroxene-bearing gabbro	52.1	16.4	6.2	9.0	0.12	12.9	2.50	0.022	BDL	0.36	99.6	2.12	74.2	5.6	0.07	0.92	143.0	86.1	BDL	95.9	185.1	10.4	BDL	5.5	33.9	BDL
164R-3, 115–123	2C	802.38	422	438	Gabbro	Gabbronorite	53.2	16.2	6.7	9.4	0.14	13.1	2.26	0.020	BDL	0.30	101.3	1.68	73.7	6.0	0.04	0.23	316.3	99.1	BDL	91.7	176.7	9.3	BDL	42.0	31.7	BDL
165R-3, 17–27	1C	806.69	426	442	Gabbro	Gabbronorite	52.1	22.1	4.3	6.2	0.08	11.4	3.17	0.019	BDL	0.19	99.5	1.90	74.2	3.9	0.05	0.30	86.0	54.4	BDL	118.1	84.5	4.3	BDL	19.2	24.7	BDL
166R-3, 45–55	1B	811.94	427	446	Gabbro	Orthopyroxene-bearing gabbro	51.5	17.5	5.6	9.5	0.11	14.1	2.16	0.016	BDL	0.27	100.7	1.57	77.2	5.0	BDL	0.33	330.8	146.2	BDL	86.5	151.5	8.9	BDL	34.1	33.2	BDL
167R-2, 97–110	2A	815.80	429	446	Gabbro	Orthopyroxene-bearing gabbro	51.1	16.3	5.6	8.7	0.13	14.2	2.19	0.014	BDL	0.30	98.6	1.61	75.6	5.1	BDL	0.31	327.0	91.4	BDL	98.5	179.3	9.0	BDL	39.7	25.3	BDL
169R-1, 50–60	3B	823.55	433	448	Gabbro	Gabbronorite	49.1	18.6	7.0	10.9	0.12	11.2	2.30	0.020	BDL	0.27	99.6	1.72	75.5	6.3	0.05	0.38	94.5	85.8	BDL	101.7	192.5	12.7	BDL	35.8	36.0	BDL
170R-3, 22–32	2A	830.33	434/435	448	Gabbro	Gabbronorite	52.0	15.6	6.5	9.5	0.14	12.0	2.38	0.020	BDL	0.33	98.6	1.81	74.6	5.9	0.07	0.43	94.9	86.5	BDL	89.6	165.2	10.1	BDL	37.5	35.8	BDL
171R-4, 18–30	1	836.55	437	451	Gabbro	Orthopyroxene-bearing gabbro	52.2	16.8	5.3	8.3	0.10	14.0	2.65	0.026	BDL	0.51	99.9	1.61	75.6	4.8	0.07	0.85	116.3	70.3	BDL	96.5	189.9	12.3	BDL	43.0	23.5	BDL
172R-3, 41–51	1	840.35	438	453	Gabbro	Orthopyroxene-bearing gabbro	53.2	17.5	5.4	9.1	0.09	12.2	2.60	0.035	BDL	0.27	100.4	2.40	76.9	4.9	BDL	1.40	104.7	76.4	BDL	99.0	150.0	7.6	BDL	33.7	31.7	BDL
174R-1, 52–60	2A	847.56	445	457	Gabbro	Orthopyroxene-bearing gabbro	51.1	15.7	6.6	9.9	0.14	12.4	2.29	0.019	BDL	0.36	98.5	1.40	74.9	6.0	0.04	0.40	125.2	108.0	BDL	85.6	177.7	10.3	BDL	39.9	34.1	BDL
174R-4, 42–51	1	851.38	447	463	Troctolite	Troctolite	46.6	21.9	6.7	11.9	0.09	10.5	2.28	0.015	BDL	0.08	100.1	1.24	78.0	6.0	0.07	0.44	BDL	269.8	BDL	107.9	16.8	BDL	BDL	3.9	48.4	BDL
176R-1, 38–48	1B	857.03	449	464	Gabbro	Gabbronorite	48.8	15.2	6.0	9.8	0.12	14.1	1.99	0.019	BDL	0.29	96.4	1.26	76.4	5.4	0.04	0.23	682.3	117.4	BDL	84.4	189.5	10.9	BDL	46.9	32.2	BDL
177R-3, 127–137	3	865.41	452	471	Gabbro	Olivine-bearing gabbro	49.3	15.3	6.1	11.5	0.11	14.1	1.81	0.026	BDL	0.29	98.6	1.87	79.1	5.5	BDL	0.48	604.4	183.5	BDL	79.1	161.1	8.6	BDL	39.2	44.8	134.3
178R-3, 11–19	1	868.94	455	471	Gabbro	Gabbro	49.9	16.2	6.5	8.7	0.13	12.8	2.41	0.032	BDL	0.50	97.2	1.53	73.0	5.8	BDL	0.47	152.2	99.7	BDL	102.5	195.0	17.2	BDL	38.5	30.3	BDL
179R-4, 85–92	3	875.01	457	476	Olivine gabbro	Olivine-bearing gabbro	47.8	20.6	7.4	11.2	0.11	10.8	2.26	0.022	BDL	0.25	100.5	1.78	75.2	6.6	BDL	0.57	356.2	217.2	BDL	87.9	66.8	5.6	BDL	13.8	52.4	BDL
179R-4, 131–134	5B	875.45	458	477	Diabase	Diabase	50.7	16.8	8.3	9.0	0.15	12.5	2.37	0.055	BDL	0.63	100.4	3.23	68.5	7.4	0.08	1.41	305.8	121.3	BDL	87.6	178.5	22.0	49.8	30.0	54.4	BDL
180R-4, 83–93	1C	880.07	460	482	Gabbro	Gabbronorite	52.4	14.1	7.1	11.6	0.15	12.4	1.92	0.018	BDL	0.42	100.2	1.67	76.7	6.3	0.05	0.34	263.2	146.6	BDL	80.5	197.8	15.8	BDL	49.7	41.3	BDL
181R-1, 56–62	1B	881.19	461	483	Gabbro	Microgabbro	51.7	19.5	4.8	8.3	0.09	14.0	2.37	0.015	BDL	0.24	101.0	2.66	77.7	4.3	BDL	0.55	388.5	124.6	BDL	92.0	116.4	6.7	BDL	30.6	33.1	BDL
182R-1, 43–51	3B	885.87	463	490	Oxide gabbro	Oxide gabbro	45.5	11.2	17.8	7.6	0.26	11.3	2.08	0.034	BDL	6.19	101.9	1.32	46.1	16.0	0.06	0.54	84.6	90.9	BDL	78.8	565.5	28.0	70.2	58.2	121.5	BDL
183R-1, 101–111	5C	891.26	464	493	Gabbro	Gabbro	53.6	17.2	6.0	8.0	0.12	13.7	2.46	0.028	BDL	0.37	101.5	1.55	72.7	5.4	BDL	0.26	182.4	82.1	BDL	90.4	189.1	10.4	BDL	34.9	33.7	BDL
184R-1, 60–71	2E	895.66	466	494	Olivine gabbro	Olivine gabbro	50.8	15.4	6.5	11.2	0.12	14.5	1.76	0.016	BDL	0.36	100.8	2.32	77.7	5.8	0.05	0.47	878.8	175.6	BDL	66.5	176.8	10.1	BDL	39.6	38.0	BDL
186R-1, 89–97	15	905.53	471	498	Oxide gabbro	Olivine gabbro	51.7	15.8	7.3	10.0	0.14	14.0	2.23	0.030	BDL	0.54	101.8	2.28	73.2	6.6	BDL	0.48	231.4	114.2	BDL	87.4	196.0	21.0	35.6	42.9	32.2	BDL
187R-1, 84–94	10	910.29	474	502	Gabbro	Gabbro	51.5	16.0	7.0	9.1	0.13	13.4	2.40	0.026	BDL	0.51	100.1	2.32	72.1	6.3	BDL	0.68	275.3	96.1	BDL	87.5	252.4	16.7	BDL	45.5	31.0	BDL
188R-2, 30–37	1B	915.78	477	503	Olivine-bearing gabbro	Olivine-bearing gabbro	50.1	14.9	7.4	11.1	0.14	13.6	2.05	0.024	BDL	0.56	99.9	1.17	75.1	6.6	0.05	0.23	276.2	135.6	BDL	82.8	203.3	15.5	BDL	42.5	43.5	BDL
189R-3, 67–76	1C	922.41	478/479	508	Troctolitic gabbro	Troctolite	44.4	15.6	8.6	21.4	0.13	8.8	1.38	BDL	BDL	0.15	100.4	2.01	83.2	7.8	0.07	1.09	151.9	546.8	BDL	75.4	47.4	3.8	BDL	10.1	62.0	BDL
191R-3, 55–66	4	928.13	484	515	Gabbro	Gabbronorite	52.4	16.4	7.4	8.4	0.14	13.6	2.52	0.039	BDL	0.73	101.5	1.54	69.4	6.6	0.04	0.26	193.7	83.8	BDL	97.1	248.7	24.0	36.0	47.1	33.8	BDL
193R-1, 29–38	1B	933.74	486	515	Olivine-bearing gabbro	Gabbro	53.2	16.0	5.5	9.5	0.12	14.5	2.13	0.021	BDL	0.32	101.3	2.10	77.4	5.0	0.05	0.19	366.5	101.6	BDL	90.7	183.8	10.6	BDL	46.2	38.5	BDL
194R-2, 50–61	1B	939.44	490	517	Gabbro	Gabbronorite	52.3	16.2	6.9	9.8	0.13	12.9	2.23	0.023	BDL	0.37	100.8	2.35	74.1	6.2	0.05	0.16	193.5	110.9	BDL	86.4	188.3	11.5	BDL	38.2	39.1	BDL
195R-3, 45–54	2	945.81	494	517	Gabbro	Olivine-bearing gabbro	51.9	15.5	7.4	10.1	0.14	13.5	2.06	0.023	BDL	0.46	101.0	1.45	73.1	6.7	BDL	0.25	318.9	152.7	BDL	87.0	198.2	12.9	BDL	41.8	46.4	BDL
196R-3, 55–62	1B	951.05	496	519	Olivine-bearing gabbro	Olivine-bearing gabbro	51.3	14.4	6.0	10.8	0.12	15.0	1.75	0.016	BDL	0.43	99.9	2.03	78.3	5.4	BDL	0.17	573.9	140.2	BDL	74.5	209.2	14.1	BDL	48.5	36.4	BDL
198R-1, 62–72	3A	958.07	501	521	Gabbro	Gabbronorite	51.9	15.7	6.5	9.6	0.13	14.1	2.07	0.020	BDL	0.37	100.3	2.39	74.8	5.8	BDL	0.32	381.8	114.1	BDL	88.2	195.9	12.7	BDL	43.7	30.4	BDL
199R-3, 55–66	1B	964.91	505	521	Gabbro	Orthopyroxene-bearing gabbro	51.8	14.9	6.5	9.9	0.13	14.3	2.07	0.025	BDL	0.44	100.0	1.20	75.2	5.9	BDL	0.20	383.4	140.4	BDL	83.0	208.0	13.7	BDL	47.8	37.6	BDL
200R-2, 40–50	1A	966.81	506	521	Gabbro	Orthopyroxene-bearing gabbro	51.7	16.6	6.3	9.9	0.12	13.8	2.21	0.023	BDL	0.35	101.0	2.39	75.9	5.6	BDL	0.30	353.3	147.5	BDL	91.5	175.9	11.8	BDL	40.0	39.5	BDL
202R-1, 44–56	2A	972.50	509	521	Gabbro	Olivine-bearing gabbro	51.6	14.2	6.0	11.3	0.12	15.1	1.82	0.020	BDL	0.35	100.6	1.70	79.0	5.4	BDL	0.54	525.5	134.5	BDL	72.9	206.6	12.2	BDL	50.9	36.5	BDL
203R-1, 82–92	2	977.67	513	521	Gabbro	Olivine-bearing gabbro	51.1	16.6	7.4	10.1	0.13	13.2	2.25	0.023	BDL	0.30	101.1	1.84	73.2	6.7	BDL	0.24	310.4	169.8	BDL	93.3	159.7	9.7	BDL	36.6	42.2	BDL
204R-4, 13–24	2	985.72	515	523	Gabbro	Orthopyroxene-bearing gabbro	52.2	18.0	6.6	9.1	0.13	11.5	2.56	0.028	BDL	0.30	100.3	1.86	73.4	5.9	BDL	0.24	153.9	99.6	BDL	100.1	142.5	8.2	BDL	31.0	36.3	BDL
205R-2, 92–101	1B	988.69	517	526	Olivine gabbro	Olivine-bearing gabbro	49.6	14.9	7.0	13.0	0.13	13.5	1.77	0.020	BDL	0.41	100.4	2.66	78.7	6.3	BDL	0.80	403.9	222.4	BDL	75.5	169.4	12.3	31.9	40.1	47.7	BDL
206R-1, 0–4	1A	991.22	522	527	Diabase	Diabase	48.8	13.2	14.3	7.0	0.25	10.8	2.55	0.034	0.41	2.25	99.7	2.47	49.5	12.9	BDL	1.36	192.7	82.1	BDL	92.2	383.2	60.0	160.4	45.5	69.4	BDL
209R-2, 81–90	3A	1007.62	529	535	Olivine gabbro	Olivine-bearing gabbro	50.5	16.1	6.2	10.2	0.12	14.6	2.01	0.016	BDL	0.34	100.2	3.50	76.7	5.6	0.04	0.19	476.4	148.2	BDL	85.5	186.9	11.4	BDL	43.2	37.6	BDL
211R-1, 70–79	1	1015.95	531	537	Olivine-bearing gabbro	Olivine-bearing gabbro	51.8	16.9	5.7	9.4	0.11	14.0	2.02	0.021	BDL	0.35	100.4	1.92	76.6	5.2	ND	ND	379.6	116.0	BDL	92.8	175.7	12.3	BDL	40.6	37.3	BDL
212R-4, 72–78	1E	1024.29	535	538	Gabbro	Olivine-bearing gabbro	50.9	15.5	7.3	10.9	0.14	13.6	2.02	0.023	BDL	0.33	100.8	1.56	74.9	6.6	ND	ND	398.3	178.6	BDL	87.4	177.1	10.2	BDL	42.4	48.6	119.0
214R-3, 45–55	1B	1032.58	539	541	Olivine gabbro	Olivine gabbro	46.8	10.5	8.8	24.3	0.14	9.1	1.06	BDL	BDL	0.17	100.9	2.61	84.6	8.0	ND	ND	389.5	185.2	BDL	81.3	149.2	7.6	BDL	39.0	38.6	BDL
215R-4, 37–45	1B	1037.89	542	541	Olivine gabbro	Olivine gabbro	48.0	16.8	5.8	13.9	0.10	13.4	1.45	0.017	BDL	0.29	99.7	1.92	82.8	5.2	0.05	0.37	1433.9	389.9	BDL	66.3	119.5	7.6	BDL	27.8	45.3	BDL
218R-4, 55–63	1A	1053.31	549	547	Olivine gabbro	Olivine gabbro	50.3	16.4	5.1	11.0	0.10	15.1	1.71	BDL	BDL	0.30	100.0	1.42	81.1	4.6	BDL	0.25	648.2	258.7	BDL	84.7	160.2	8.7	BDL	42.0	38.1	BDL
220R-1, 70–80	2C	1059.15	552	547	Olivine gabbro	Olivine gabbro	50.8	16.5	5.3	10.2	0.10	14.6	1.87	0.017	BDL	0.32	99.7	1.61	79.5	4.8	0.04	0.22	475.1	162.6	BDL	85.5	158.7	10.0	BDL	41.4	36.1	BDL
221R-3, 91–99	3	1066.73	555	547	Olivine gabbro	Olivine gabbro	50.1	23.4	4.2	7.3	0.07	13.3	2.45	0.020	BDL	0.18	101.0	1.48	77.9	3.7	0.06	0.24	235.9	175.1	BDL	123.2	68.6	4.7	BDL	15.4	31.1	BDL
225R-1, 76–85	2	1083.21	559	557	Olivine gabbro	Olivine gabbro	50.2	17.3	6.1	11.4	0.11	13.7	1.73	0.020	BDL	0.25	100.7	1.52	78.9	5.5	0.06	0.29	745.1	250.3	BDL	88.5	126.1	7.6	BDL	32.9	33.6	BDL
226R-3, 45–55	2B	1090.60	562	560	Gabbro	Orthopyroxene-bearing gabbro	52.0	16.7	5.1	8.9	0.11	14.7	2.11	0.017	BDL	0.33	99.9	1.60	77.7	4.6	BDL	0.57	588.2	102.4	BDL	89.2	172.8	10.1	BDL	40.6	19.9	BDL
227R-3, 73–78	2E	1095.69	565	562	Olivine-rich troctolite	Olivine-rich troctolite	40.8	6.1	12.6	35.5	0.18	3.8	0.42	BDL	BDL	0.05	99.5	2.90	84.9	11.4	0.09	1.97	3219.1	1600.9	BDL	29.8	46.0	1.0	BDL	8.6	125.4	BDL
230R-1, 53–60	5	1106.07	568	573	Gabbro	Gabbro	51.0	16.8	5.9	10.0	0.12	14.1	2.02	0.021	BDL	0.33	100.2	2.33	77.2	5.3	0.04	0.50	523.1	144.2	BDL	86.7	179.9	9.0	BDL	42.8	33.3	BDL
232R-3, 110–117	4B	1119.06	575	583	Troctolitic gabbro	Troctolite	42.8	8.5	11.1	31.2	0.16	5.7	0.53	BDL	BDL	0.08	99.9	7.57	84.9	9.9	0.12	7.30	744.7	1192.2	BDL	37.9	40.0	BDL	BDL	12.6	108.0	BDL
234R-2, 63–68	6A	1126.86	578	588	Troctolitic gabbro	Olivine-rich troctolite	41.4	4.2	12.8	36.6	0.18	3.6	0.28	BDL	BDL	0.07	99.1	5.70	85.1	11.6	0.13	5.60	1169.4	2007.5	BDL	21.2	39.7	BDL	BDL	14.1	140.0	376.2
236R-2, 137–146	9	1137.07	582	592	Olivine gabbro	Olivine gabbro	49.7	18.7	4.6	10.4	0.09	14.9	1.86	0.015	BDL	0.18	100.3	2.84	82.0	4.1	0.04	1.19	1153.3	223.6	BDL	97.3	113.6	5.7	BDL	29.8	34.8	BDL
240R-2, 84–92	3D	1155.62	588	605	Wehrlitic troctolite	Olivine-rich troctolite	41.2	3.2	12.6	37.3	0.19	4.2	0.23	BDL	BDL	0.10	99.0	5.49	85.6	11.3	0.14	6.04	2282.4	1569.5	BDL	17.0	62.8	3.0	BDL	20.0	125.4	BDL
242R-2, 84–92	8C	1165.25	590	617	Olivine-rich troctolite	Olivine-rich troctolite	41.3	4.6	12.8	37.1	0.19	3.2	0.15	BDL	BDL	0.06	99.5	9.13	85.3	11.5	0.12	9.78	1902.6	1559.8	BDL	16.7	42.3	BDL	BDL	11.3	130.5	BDL
244R-1, 16–26	1B	1172.91	592	620	Gabbro	Oxide-bearing gabbro	46.3	13.2	16.5	8.3	0.20	11.6	2.12	0.022	BDL	2.70	101.0	1.99	50.2	14.9	BDL	0.30	194.7	110.4	BDL	87.7	186.6	12.3	BDL	40.0	31.2	BDL
246R-1, 60–69	12	1182.95	596	633	Oxide gabbro	Oxide gabbro	43.9	11.2	19.9	6.4	0.27	10.7	2.44	0.039	BDL	5.25	100.1	1.96	39.1	17.9	BDL	0.63	BDL	57.4	BDL	83.3	812.5	29.3	47.6	57.6	114.8	BDL
248R-2, 5–11	1A	1193.22	599	639	Troctolite (wehrlitic)	Dunitic Troctolite	41.0	3.7	13.4	38.2	0.19	2.6	0.30	BDL	BDL	0.04	99.6	1.67	85.1	12.1	0.07	0.70	1593.0	1967.4	BDL	19.7	34.2	BDL	BDL	9.7	132.5	BDL
250R-3, 28–36	1	1204.40	—	646	Gabbro (troctolitic)	Troctolitic gabbro	45.6	11.7	10.0	20.3	0.15	10.3	1.10	BDL	BDL	0.16	99.4	1.59	80.3	9.0	0.05	0.38	1089.7	558.7	BDL	58.5	103.7	3.6	BDL	27.6	80.3	BDL
252R-1, 88–97	6A	1212.03	606	654	Gabbro	Gabbronorite	51.5	15.6	7.3	11.2	0.14	11.3	2.10	0.016	BDL	0.32	99.5	1.40	75.6	6.5	BDL	0.30	253.1	137.1	BDL	88.8	164.1	9.0	BDL	36.4	41.5	BDL
254R-1, 36–45	6A	1221.11	611	665	Oxide gabbro	Oxide gabbro	40.1	9.4	26.9	7.5	0.27	10.0	1.84	0.024	BDL	5.03	101.0	0.92	35.8	24.2	0.10	0.51	BDL	140.4	BDL	61.7	1979.1	20.7	BDL	60.7	145.6	217.6
255R-1, 28–35	7	1225.82	613	668	Olivine gabbro	Troctolitic gabbro	45.7	11.7	10.6	23.5	0.15	9.6	0.87	BDL	BDL	0.11	102.3	2.33	81.6	9.5	0.06	0.94	1374.9	724.8	BDL	54.2	73.2	4.0	BDL	20.9	89.1	161.3
256R-2, 88–94	3A	1232.35	616	673	Troctolite (olivine-rich)	Olivine-rich troctolite	40.8	3.3	14.2	38.1	0.20	3.1	0.22	BDL	BDL	0.07	100.0	4.83	84.3	12.8	0.10	4.48	2012.9	1867.0	BDL	16.7	43.5	BDL	BDL	12.7	129.5	BDL
258R-1, 34–39	7A	1240.27	620	675	Gabbro	Gabbro	52.5	15.9	8.0	8.6	0.15	12.0	2.94	0.027	BDL	0.49	100.6	2.12	68.5	7.2	BDL	0.70	66.7	60.0	BDL	104.2	214.0	13.5	BDL	45.2	41.0	BDL
262R-3, 104–113	3	1263.04	624	692	Gabbro	Gabbro	50.2	15.9	7.7	10.1	0.1	13.3	2.27	0.021	BDL	0.49	100.2	1.50	72.4	7.0	0.05	0.39	409.1	ND	BDL	88.5	189.9	16.4	BDL	39.2	48.1	BDL
264R-1, 52–59	9A	1269.26	628	702	Oxide gabbro	Oxide-bearing gabbro	52.4	14.2	11.0	9.0	0.22	10.9	2.83	0.028	BDL	0.73	101.3	1.42	62.0	9.9	0.06	0.42	BDL	BDL	BDL	100.4	265.5	15.6	BDL	46.6	51.1	BDL
267R-2, 111–121	8	1285.70	631	710	Olivine gabbro	Olivine gabbro	50.8	15.4	5.9	10.7	0.13	15.2	1.94	0.016	BDL	0.35	100.4	1.58	78.2	5.3	0.04	0.26	513.1	150.4	BDL	79.8	194.8	10.2	BDL	45.7	39.3	BDL
268R-2, 68–78	2A	1289.96	633	712	Olivine gabbro	Troctolitic gabbro	48.6	13.3	9.3	16.7	0.2	11.3	1.55	0.017	BDL	0.29	101.2	2.84	78.3	8.3	0.18	1.22	858.3	ND	BDL	88.7	97.3	6.4	BDL	24.4	88.6	115.1
270R-1, 96–105	8C	1298.51	638	717	Oxide-bearing gabbro	Olivine-bearing gabbro	51.3	14.9	6.5	10.6	0.1	14.7	1.93	0.016	BDL	0.34	100.6	2.05	76.5	5.9	BDL	0.39	359.7	ND	BDL	79.3	201.5	12.6	BDL	49.2	44.6	BDL
271R-3, 44–52	2	1305.14	645	722	Gabbro	Gabbronorite	53.0	16.6	7.8	8.1	0.2	12.5	2.85	0.025	BDL	0.46	101.6	2.50	67.3	7.0	BDL	0.46	59.8	ND	BDL	101.2	213.9	15.2	BDL	44.1	46.3	BDL
274R-2, 65–75	5B	1318.84	647	726	Gabbro	Gabbronorite	54.9	16.1	7.6	8.3	0.1	11.3	2.77	0.031	BDL	0.40	101.7	2.36	68.6	6.9	BDL	0.79	60.4	ND	BDL	102.1	184.6	11.5	BDL	40.2	43.5	BDL
277R-2, 96–106	4A	1332.05	651	734	Gabbro	Gabbro	51.0	17.2	5.9	9.2	0.1	14.3	2.31	0.022	BDL	0.49	100.4	3.48	75.8	5.3	BDL	0.49	359.4	ND	BDL	94.9	175.2	13.2	BDL	36.5	35.8	BDL
280R-1, 104–115	1B	1345.10	657	744	Gabbro	Olivine-bearing gabbro	51.4	14.6	8.3	10.9	0.1	13.3	2.06	0.024	BDL	0.38	101.2	2.09	72.5	7.5	BDL	0.71	321.2	ND	BDL	84.7	184.0	12.0	BDL	41.8	51.2	BDL
287R-1, 0–3	1	1377.62	664	754	Diabase	Diabase	51.3	14.7	11.8	7.7	0.2	11.2	2.90	0.031	BDL	1.40	101.4	2.18	56.6	10.6	BDL	0.99	130.8	ND	BDL	94.4	306.0	37.1	83.0	43.3	62.7	BDL

Notes: H_2O and CO_2 concentrations of rocks from Hole U1309D (Cores 80R–295R). BDL = below limit of detection (see the **“Methods”** chapter), ND = not determined.