

Table T1. Results of major element analysis for bulk samples, Sites 1150 and 1151. (Continued on next four pages.)

Core, section, interval (cm)	Depth (mbsf)	Major element oxide (wt%)										Total
		Na ₂ O	MgO	Al ₂ O ₃	SiO ₂	S	K ₂ O	CaO	TiO ₂	MnO	Fe ₂ O ₃	
186-1150B-												
22R-1, 8–12	902.18		1.99	10.30	72.30	0.50	2.33	6.33	0.64	0.12	5.49	100.00
22R-1, 26–29	902.36		1.80	10.37	72.08	1.66	2.43	4.70	0.72	0.11	6.14	100.00
22R-1, 46–50	902.56		1.53	10.99	74.19	0.44	2.49	3.70	0.70	0.10	5.86	100.00
22R-1, 67–71	902.77		1.67	11.45	75.41	0.29	2.31	2.41	0.68	0.10	5.68	100.00
22R-1, 91–94	903.01		1.69	10.87	75.39	0.73	2.42	1.93	0.68	0.10	6.19	100.00
22R-1, 106–110	903.16		1.50	9.36	76.11	0.75	2.32	2.33	0.63	0.08	6.92	99.99
22R-1, 126–130	903.36		2.06	8.85	79.66	0.33	2.03	1.42		0.11	4.95	99.42
22R-1, 143–147	903.53		1.63	9.22	78.34	0.51	2.15	2.25	0.58	0.08	5.24	100.00
22R-2, 6–10	903.66		1.60	8.55	78.69	0.62	2.06	1.46	0.55	0.08	5.22	98.85
22R-2, 26–30	903.86		1.46	8.24	79.41	0.42	1.98	2.99	0.50	0.09	4.89	99.97
22R-2, 45–49	904.05	2.40	1.33	7.04	78.77	1.46	1.90	1.93	0.48	0.08	4.60	97.60
22R-2, 67–71	904.27		1.51	7.34	82.71	0.42	1.81	1.09	0.53	0.08	4.51	100.00
22R-2, 81–84	904.41		1.67	7.96	78.41	0.94	2.12	1.59	0.54	0.09	4.77	98.10
22R-3, 6–10	904.50		1.38	7.03	83.13	0.51	1.82	1.20	0.52	0.07	4.33	100.00
22R-3, 24–28	904.68	2.42	1.21	8.18	76.59	0.54	2.17	2.10	0.50	0.10	4.44	95.82
22R-3, 46–50	904.90		1.54	7.15	83.29	0.40	1.82	1.07	0.43	0.09	4.22	100.00
22R-3, 66–70	905.10		1.72	9.02	73.56	1.02	2.30	6.12	0.65	0.10	5.51	100.00
22R-3, 86–90	905.30		1.68	9.69	72.38	0.28	2.39	7.38	0.61	0.09	5.48	99.97
22R-3, 106–110	905.50		1.49	10.03	72.94	0.35	2.37	6.43	0.62	0.10	5.67	100.00
22R-3, 126–130	905.70	2.87	2.00	9.09	70.27	0.90	2.00	4.98	0.61	0.10	5.56	95.52
22R-3, 146–150	905.90	2.15	1.63	9.20	66.22	2.94	2.27	6.64	0.57	0.10	5.73	95.30
22R-4, 6–10	906.00	3.07	1.96	9.38	73.13	0.25	2.18	4.64	0.48	0.07	4.84	96.93
22R-4, 26–30	906.20		2.05	10.08	75.26	0.54	2.26	3.29	0.64	0.08	5.50	99.70
22R-4, 45–49	906.39		1.87	9.34	75.86	0.51	2.23	4.36				94.17
22R-4, 63–66	906.57	7.47	1.28	7.88	62.03	2.33	1.71	5.34		0.08	4.73	85.38
22R-4, 86–89	906.80		1.51	9.19	75.03	0.36	2.45	5.47	0.63	0.09	5.24	99.97
22R-5, 6–10	907.00		1.73	9.25	78.87	0.42	2.24	1.33	0.59	5.33		99.77
22R-5, 26–30	907.20		1.93	8.35	79.95	0.46	1.92	2.06	0.60		4.74	100.00
22R-5, 45–49	907.39			7.11	74.21	4.43	2.04	5.89	0.56	0.07	5.36	99.67
22R-5, 66–70	907.60		1.06	7.81	80.67	0.43	1.87	3.11	0.52	0.06	4.47	100.00
22R-5, 84–88	907.78		1.42	7.97	81.04	0.57	1.88	2.03	0.50	0.06	4.54	100.00
22R-5, 104–108	907.98		1.25	7.31	82.47	0.60	1.81	1.60	0.47	0.07	4.44	100.00
22R-5, 123–127	908.17	4.01	1.17	6.20	74.33	0.97	1.67	2.54	0.46	0.07	4.54	91.95
22R-5, 143–147	908.37	3.66	0.81	5.18	81.11	0.52	1.43	1.04	0.34	0.05	3.49	93.96
22R-6, 6–10	908.48		1.44	6.22	84.53	0.42	1.44	1.47	0.40		4.05	99.97
22R-6, 25–29	908.67		1.37	7.38	83.46	0.31	1.72	1.01	0.49	0.05	4.23	100.00
22R-6, 46–50	908.88		1.19	6.52	82.90	0.44	1.76	2.36	0.46		4.37	100.00
22R-6, 67–71	909.09	2.89	1.50	7.58	76.18	0.85	1.88	1.60	0.46	0.06	4.79	94.92
22R-6, 86–90	909.28			7.21	78.02	0.82	1.80	5.27	0.51		4.95	98.58
22R-6, 106–110	909.48	4.49	1.86	8.12	68.19	1.08	1.97	4.58	0.54	0.09	5.33	91.76
22R-6, 116–120	909.58	4.70	1.55	7.50	68.12	1.11	2.03	4.47	0.72	0.09	4.84	90.43
22R-6, 146–150	909.88	4.43	2.34	8.85	64.58	2.85	2.08	7.40	0.64	0.10	5.84	94.67
22R-7, 6–10	909.98		1.65	9.06	75.99	0.52	2.21	4.80	0.60	0.08	5.06	99.98
22R-7, 25–29	910.17		1.48	8.81	76.07	0.42	2.20	4.85	0.64	0.11	5.42	100.00
22R-7, 49–52	910.41		1.76	8.72	74.27	0.57	2.20	5.81	0.57	0.10	5.59	99.60
22R-CC, 5–9	910.59	4.94	1.07	8.21	69.18	0.65	2.28	4.09	0.54	0.08	4.92	91.02
28R-4, 6–10	964.24		1.53	7.28	83.44	0.72	1.63	0.64	0.45	0.05	4.24	99.96
28R-4, 27–31	964.45	1.48		7.05	84.06	0.71	1.69	0.60	0.48	0.06	3.86	98.52
28R-4, 46–50	964.64			6.89	84.81	0.86	1.56	0.59	0.43	0.05	4.80	100.00
28R-4, 68–72	964.86			6.13	84.08	2.25	1.56	1.71	0.41	0.05	3.81	100.00
28R-4, 86–90	965.04	3.19	1.48	5.99	78.50	1.93	1.55	1.03	0.29	0.05	3.89	94.71
28R-4, 108–111	965.26			5.87	86.37	1.12	1.52	0.84	0.37	0.05	3.85	99.98
28R-4, 126–130	965.44			5.86	87.91	0.45	1.49	0.64	0.37		3.28	100.00
28R-4, 145–149	965.63			4.80	88.82	0.32	1.29	1.34	0.32		3.10	99.99
28R-5, 7–11	965.75		0.83	4.80	88.86	0.59	1.21	0.49	0.34	0.04	2.84	100.00
28R-5, 26–30	965.94		1.37	5.74	86.19	0.77	1.50	0.48	0.44		3.52	100.00
28R-5, 46–50	966.14			5.85	84.85	1.75	1.76	1.48	0.43		3.88	100.00
28R-5, 69–72	966.37		1.40	5.72	84.52	1.34	1.44	0.59	0.41		4.58	100.00
28R-5, 86–90	966.54		1.34	7.43	78.68	2.92	1.99	2.13	0.54	0.05	4.87	99.97
28R-5, 105–109	966.73		1.48	7.75	80.94	0.82	1.85	0.88	0.54	0.06	4.68	99.00
28R-5, 126–130	966.94		1.18	7.80	75.15	3.19	2.24	1.57	0.57		6.35	98.07
28R-5, 146–150	967.14		1.51	9.81	78.61	0.89	2.22	0.81	0.58	0.08	5.48	99.98
28R-6, 7–11	967.25		1.49	8.73	77.96	1.23	2.21	2.13	0.57	0.07	5.62	100.00
28R-6, 26–30	967.44		1.19	8.80	79.13	0.48	2.21	2.38	0.63	0.08	5.11	100.00
28R-6, 46–50	967.64		1.62	9.20	77.08	1.88	2.24	2.04	0.55	0.10	5.29	100.00
28R-6, 66–70	967.84		2.09	10.02	78.41	0.54	2.10	1.03	0.56	0.10	5.16	100.00
28R-6, 89–92	968.07		2.12	9.60	78.50	0.81	1.99	1.08	0.56	0.08	5.07	99.81

Table T1 (continued).

Core, section, interval (cm)	Depth (mbsf)	Major element oxide (wt%)										Total
		Na ₂ O	MgO	Al ₂ O ₃	SiO ₂	S	K ₂ O	CaO	TiO ₂	MnO	Fe ₂ O ₃	
28R-6, 108–112	968.26		1.31	8.43	81.01	0.68	2.06	0.90	0.56	0.07	4.94	99.97
28R-6, 128–132	968.46			8.85	81.94	0.80	2.11	0.77	0.50	0.08	4.95	100.00
28R-CC, 0–4	968.60		1.22	9.29	79.37	1.37	2.38	1.83	0.40	0.10	4.05	100.00
29R-1, 5–9	969.55		1.11	8.09	78.86	2.00	2.20	2.10	0.56	0.07	5.01	100.01
29R-1, 28–32	969.78			7.55	82.56	1.21	1.76	0.89	0.54	0.09	5.41	100.00
29R-1, 46–50	969.96		1.93	7.46	83.13	0.65	1.62	0.72	0.43		3.99	99.94
29R-1, 71–76	970.21		1.19	6.68	85.26	0.54	1.53	0.64	0.41		3.70	99.96
29R-1, 86–90	970.36		1.36	6.46	84.81	1.04	1.49	0.85	0.37		3.58	99.96
29R-1, 106–110	970.56	3.36	1.12	4.84	80.71	1.36	1.34	1.38	0.40	0.07	3.65	94.87
29R-2, 5–9	970.72		1.33	5.66	83.18	1.06	1.47	0.74	0.39	0.08	3.52	97.45
29R-2, 23–26	970.90			3.96	87.99	0.70	1.18	1.69	0.28	0.08	3.22	99.10
29R-2, 46–50	971.13		0.90	6.06	86.23	0.63	1.48	0.55	0.41	0.06	3.67	100.00
29R-2, 68–72	971.35		1.05	5.31	86.65	0.79	1.44	0.76	0.41		3.60	100.00
29R-2, 86–90	971.53		0.93	4.62	88.09	0.59	1.30	0.79	0.32		3.37	100.00
29R-2, 106–110	971.73			4.70	88.10	0.62	1.27	0.64	0.35	0.07	3.23	98.98
29R-2, 126–131	971.93			5.00	87.98	0.41	1.28	1.59	0.35	0.07	3.32	100.00
29R-2, 144–146	972.11		1.18	4.88	87.26	0.61	1.36	0.96	0.39		3.36	100.00
29R-3, 5–9	972.18		1.37	5.26	87.16	0.50	1.32	0.60	0.34	0.06	3.22	99.83
29R-3, 30–34	972.43		1.42	6.12	85.56	0.42	1.55	0.68	0.41		3.73	99.89
29R-3, 46–50	972.59		1.41	5.75	85.47	0.69	1.49	0.97	0.42	0.07	3.73	100.00
29R-3, 66–70	972.79			4.40	69.09	9.20	0.35	11.58	0.50		3.89	99.00
29R-3, 87–91	973.00		1.35	4.67	81.39	2.34	1.40	3.12	0.34	0.08	3.74	98.44
29R-3, 113–117	973.26		1.29	5.30	85.88	0.54	1.31	2.15	0.33		3.20	100.00
29R-3, 126–130	973.39			6.01	87.12	0.38	1.35	0.97	0.43	0.07	3.51	99.85
29R-3, 146–150	973.59		1.37	6.70	83.80	0.47	1.62	1.61	0.45		3.99	100.00
29R-4, 6–10	973.69		0.91	5.68	82.20	1.14	1.40	3.70	0.43	0.08	4.46	100.00
29R-4, 26–30	973.89		0.98	7.70	81.07	0.69	1.73	2.58	0.46	0.12	4.67	100.00
29R-4, 50–54	974.13		1.34	7.58	81.26	0.61	2.17	1.92	0.55		4.57	100.00
29R-4, 65–70	974.28		1.51	6.56	75.90	0.65	1.60	8.99	0.47	0.09	4.23	100.00
29R-4, 86–90	974.49	3.44	1.47	7.48	64.64	4.44	1.95	6.41	0.62	0.09	5.34	92.45
29R-4, 106–110	974.69	3.00	1.99	8.62	74.05	1.40	1.99	1.86	0.55	0.10	4.68	95.23
29R-4, 126–130	974.89		1.70	9.54	78.56	0.91	2.29	1.04	0.54	0.09	5.29	99.97
29R-4, 144–150	975.07		1.19	9.13	78.55	0.96	2.17	1.83	0.63	0.10	5.42	100.00
29R-5, 6–10	975.19		1.88	9.45	78.35	0.55	2.19	1.50	0.57	0.11	5.26	99.86
29R-5, 24–28	975.37		1.49	9.04	79.44	0.63	2.22	1.18	0.65	0.10	5.02	99.77
29R-5, 46–50	975.59	3.94	1.43	8.91	71.78	1.27	2.09	2.62	0.57	0.09	4.94	93.71
29R-5, 66–70	975.79		1.91	9.34	79.51	0.68	2.17	0.90	0.59		4.69	99.80
29R-5, 86–90	975.99		1.57	8.53	80.95	0.61	2.17	1.13	0.54	0.10	4.41	100.00
29R-5, 110–114	976.23		1.75	9.13	78.09	1.51	2.36	1.64	0.49	0.11	4.07	99.14
29R-5, 126–130	976.39		1.51	8.37	81.28	0.52	2.00	1.23	0.54		4.56	100.00
29R-6, 6–10	976.58	1.45	1.77	7.80	70.73	3.84	2.11	3.44	0.54	0.13	5.28	95.64
29R-6, 29–34	976.81		1.46	6.83	79.64	2.40	1.78	0.84	0.54		4.94	98.44
29R-6, 46–50	976.98		1.36	6.98	83.72	0.82	1.70	0.80	0.46		4.16	100.00
29R-6, 65–70	977.17	5.06	1.63	6.53	70.69	3.43	1.63	1.12	0.40	0.14	4.74	90.31
29R-6, 86–90	977.38		1.13	6.60	83.99	0.11	1.64	0.96	0.40	0.08	4.00	98.90
29R-6, 106–110	977.58		1.61	7.58	79.15	2.60	0.85	1.94	0.55	0.10	4.61	99.00
29R-6, 126–129	977.78		1.21	8.73	80.78	1.11	1.94	1.30	0.48	0.07	4.38	100.00
29R-CC, 6–10	977.87		1.11	7.29	83.90	0.68	1.81	0.74	0.45		4.02	100.00
32R-1, 9–12	998.39		1.22	4.27	85.23	0.86	1.21	1.13	0.29		2.84	97.07
32R-1, 25–29	998.55	4.35	1.65	3.16	80.33	1.32	1.01	0.78	0.23	0.09	2.43	91.00
32R-1, 44–47	998.74			4.54	86.64	0.96	1.16	0.52	0.28	0.10	4.02	98.22
32R-1, 67–70	998.97	2.55	1.32	5.13	82.90	0.68	1.15	0.96	0.34	0.06	3.19	95.72
32R-1, 87–90	999.17		1.04	4.15	88.48	0.45	1.17	1.43	0.36		2.93	100.00
32R-1, 107–110	999.37		1.41	4.59	84.73	0.58	1.27	3.47	0.36	0.09	3.50	99.99
32R-1, 123–127	999.53	3.51	1.21	4.11	74.62	1.04	1.17	8.02	0.35	0.09	2.93	93.54
32R-2, 7–10	999.71	10.40	1.24	3.25	59.20	3.85	0.93	6.23	0.25		2.42	77.37
32R-2, 29–32	999.93		1.24	6.00	85.97	0.58	1.49	0.71	0.43		3.58	100.00
32R-2, 46–50	1000.1		1.40	4.40	85.93	0.44	1.21	3.06	0.33		3.22	100.00
32R-2, 66–70	1000.3		1.87	6.15	82.82	0.76	1.56	1.39	0.48		3.65	98.67
32R-2, 86–90	1000.5			3.91	55.69	12.93	1.46	14.29	0.43	0.11	4.09	92.91
32R-2, 106–110	1000.7	4.62	1.49	4.69	75.48	1.61	1.41	1.75	0.34	0.10	3.11	89.97
32R-2, 126–130	1000.9			6.29	86.78	0.47	1.47	0.67	0.48		3.84	100.00
32R-3, 6–10	1001.15			5.85	87.05	0.72	1.58	0.78	0.40		3.59	99.97
32R-3, 25–29	1001.34		1.16	6.01	85.14	0.74	1.63	0.85	0.42	0.09	3.97	100.00
32R-3, 47–50	1001.56	3.90	1.62	6.44	63.19	8.51	1.89	5.61	0.49	0.15	5.85	93.74
32R-3, 66–69	1001.75		1.43	8.27	79.95	1.34	2.12	1.39	0.63	0.07	4.80	100.00
32R-3, 86–90	1001.95		1.35	9.20	77.91	1.37	2.18	1.60	0.55		5.83	100.00
32R-3, 107–110	1002.16		1.63	8.33	78.34	1.82	2.34	1.57	0.52		5.46	100.00
32R-3, 126–130	1002.35		1.56	8.72	79.85	0.82	2.31	0.90	0.59	0.08	5.15	100.00

Table T1 (continued).

Core, section, interval (cm)	Depth (mbsf)	Major element oxide (wt%)										Total
		Na ₂ O	MgO	Al ₂ O ₃	SiO ₂	S	K ₂ O	CaO	TiO ₂	MnO	Fe ₂ O ₃	
32R-3, 141–145	1002.5	3.81	1.45	9.15	72.21	1.64	2.83	0.93	0.50	0.11	4.46	93.28
32R-4, 9–13	1002.64		1.63	9.23	76.57	2.08	2.15	1.76	0.59	0.10	5.89	100.00
32R-4, 27–30	1002.82	3.19	1.93	9.07	67.73	4.14	2.02	3.18	0.64	0.10	6.30	95.11
32R-4, 47–50	1003.02		1.68	9.25	78.79	0.90	2.18	0.99	0.51	0.09	5.63	100.00
32R-4, 68–71	1003.23	3.51	1.65	9.57	71.60	2.08	2.22	1.78	0.67	0.10	5.14	94.80
32R-4, 88–91	1003.43		2.01	8.10	77.89	2.06	2.18	1.45	0.57		5.71	99.96
32R-4, 106–110	1003.61		1.80	9.73	77.94	1.15	2.28	1.03	0.59	0.06	5.40	99.98
32R-4, 126–130	1003.81		2.21	9.89	77.52	0.68	2.39	1.01	0.65	0.08	5.57	99.99
32R-4, 146–150	1004.01		2.03	11.03	76.55	0.47	2.51	1.01	0.67	0.10	5.65	100.00
32R-5, 7–10	1004.12		1.51	9.21	76.99	1.78	2.33	1.22	0.53	0.06	5.73	99.38
32R-5, 27–30	1004.32	4.26	1.65	8.37	64.20	4.90	2.21	3.82	0.51	0.14	5.38	91.18
32R-5, 47–50	1004.52		1.03	8.82	78.11	1.55	2.17	1.18	0.58		5.32	98.77
32R-5, 67–70	1004.72		1.55	8.84	76.50	1.77	1.91	1.82	0.63	0.10	6.89	100.00
32R-5, 87–90	1004.92		1.43	8.01	77.47	2.58	2.06	2.85	0.54		5.06	100.00
32R-5, 108–112	1005.13	4.40	0.93	3.89	76.36	1.35	1.21	2.48	0.33		2.86	89.40
32R-5, 125–130	1005.3		1.04	4.86	86.31	1.01	1.38	0.85	0.44		3.59	99.48
32R-5, 139–143	1005.44		1.05	5.89	85.69	0.84	1.42	0.99	0.40		3.73	100.00
32R-6, 6–9	1005.61			5.91	86.30	0.82	1.47	0.89	0.41		4.05	99.87
32R-6, 26–29	1005.81		1.58	5.68	85.16	0.81	1.50	0.66	0.37	0.07	4.16	100.00
32R-6, 47–50	1006.02			4.67	82.71	2.73	1.54	3.96	0.56		3.66	99.83
32R-6, 86–89	1006.41		1.45	5.62	85.63	0.72	1.45	0.65	0.43	0.08	3.96	99.99
32R-6, 104–106	1006.59		0.94	4.96	87.97	0.51	1.37	0.63	0.39		3.23	100.00
32R-6, 124–127	1006.79		1.27	5.57	86.45	0.38	1.50	0.80	0.39	0.05	3.58	100.00
32R-6, 146–150	1007.01		1.16	5.47	86.81	0.61	1.54	0.61	0.37	0.07	3.37	100.01
32R-7, 6–9	1007.11	2.58	1.38	6.03	77.84	2.17	1.76	1.84	0.39	0.07	3.56	95.02
32R-7, 27–30	1007.32		1.23	5.77	86.52	0.37	1.40	0.80	0.45		3.46	100.00
32R-7, 46–49	1007.51	1.99	1.30	4.80	79.26	2.18	1.33	1.37	0.30	0.09	4.12	94.75
32R-CC, 7–10	1007.67		1.12	5.72	86.93	0.47	1.32	0.61	0.38		3.43	100.00
186-1151A-												
91R-1, 19–23	930.59		1.81	10.61	73.84	0.78	2.47	3.84	0.63	0.11	5.91	100.00
91R-1, 29–32	930.69		1.97	10.03	72.39	0.95	2.46	5.93	0.67	0.09	5.52	100.00
91R-1, 39–42	930.79		1.38	10.05	71.16	1.22	2.48	7.64	0.68	0.13	5.25	100.00
91R-1, 46–49	930.86		1.99	11.26	72.10	0.39	2.35	5.36	0.59	0.10	5.85	100.00
91R-1, 55–59	930.95		2.46	10.37	71.09	1.69	2.63	4.82	0.73	0.11	6.09	100.00
91R-1, 64–67	931.04		1.71	10.99	72.34	1.66	2.73	3.93	0.78	0.11	5.76	100.01
91R-1, 77–81	931.17		1.24	9.53	63.02	4.79	2.42	8.43	0.91	0.11	6.21	96.65
91R-1, 88–91	931.28		2.26	11.34	71.85	1.35	2.42	2.65	0.67	0.11	5.97	98.61
91R-1, 99–102	931.39		1.55	8.87	76.28	0.91	2.11	4.68	0.50	0.10	5.00	100.00
91R-1, 108–111	931.48		1.63	9.79	76.00	0.71	2.14	2.91	0.67	0.10	6.05	100.00
91R-1, 118–121	931.58		1.67	9.34	77.57	0.35	2.26	3.14	0.60		5.07	100.00
91R-1, 127–131	931.67		1.52	9.37	75.78	0.78	2.20	4.33	0.59	0.10	5.33	100.00
91R-1, 137–140	931.77		2.15	9.33	73.15	0.94	2.10	5.55	0.64	0.10	5.15	99.10
91R-1, 145–149	931.85		1.60	8.74	73.35	0.91	2.17	7.91	0.60	0.09	4.62	99.98
91R-2, 8–12	931.98		1.41	8.86	69.12	1.81	2.24	8.69	0.67	0.16	5.46	98.42
91R-2, 20–23	932.1		1.41	8.28	62.18	4.97	2.24	10.14	0.62	0.14	6.55	96.53
91R-2, 31–34	932.21		1.29	9.04	73.14	0.52	2.20	8.30	0.55	0.10	4.86	100.00
91R-2, 41–43	932.31		1.71	8.40	65.78	2.34	2.29	8.61	0.47	0.14	8.57	98.32
91R-2, 50–53	932.4		1.65	10.49	67.78	1.61	2.47	8.30	0.66	0.22	6.14	99.32
91R-2, 58–61	932.48			6.52	42.48	12.21	1.93	18.54	1.02	0.15	7.30	90.15
91R-2, 70–73	932.6			9.01	56.80	5.78	2.42	10.66	0.84	0.18	7.92	93.63
91R-2, 78–81	932.68		1.73	10.67	67.95	1.11	2.43	8.96	0.67	0.14	6.35	100.00
91R-2, 87–90	932.77		1.78	10.54	69.24	1.27	2.60	7.86	0.70	0.12	5.86	99.97
91R-2, 97–100	932.87	8.27	1.67	9.19	53.40	2.50	2.00	8.42	0.52	0.09	4.86	82.65
91R-2, 108–111	932.98		1.73	9.80	63.01	4.24	2.59	11.47	0.73	0.11	6.32	100.00
91R-2, 117–120	933.07		1.53	10.29	69.25	0.50	2.56	8.78	0.65	0.13	6.31	100.00
91R-2, 127–130	933.17		1.89	10.61	70.99	1.02	1.02	5.07	0.72	0.10	6.87	98.29
91R-2, 145–148	933.35		1.24	10.67	74.01	0.31	2.47	5.70	0.56	0.13	4.91	100.00
91R-3, 8–11	933.48		1.74	9.31	74.36	0.53	2.14	6.00	0.63	0.08	5.20	99.98
91R-3, 18–21	933.58		1.31	7.62	66.93	2.24	1.86	10.18	0.50	0.12	5.54	96.31
91R-3, 26–29	933.66		1.57	9.62	73.26	0.83	2.33	6.61	0.66	0.08	5.01	99.97
91R-3, 38–41	933.78		1.68	11.00	73.67	0.43	2.54	4.65	0.68	0.11	5.26	100.02
91R-3, 48–51	933.88		1.22	10.30	74.13	0.16	2.30	6.27	0.66	0.07	4.88	100.00
91R-3, 59–62	933.99		1.64	10.25	70.83	2.81	2.39	5.55	0.63	0.09	5.80	100.00
91R-3, 66–70	934.06		1.94	10.28	75.66	0.89	2.33	2.69	0.60	0.07	5.53	100.00
91R-3, 78–81	934.18	2.97	1.17	9.15	71.50	0.97	1.97	4.85	0.57	0.10	5.00	95.28
91R-3, 88–91	934.28		1.00	8.25	74.61	0.88	1.79	6.80	0.42	0.13	6.10	99.96
91R-3, 98–101	934.38		1.57	8.41	71.55	2.31	2.30	7.25	0.69	0.18	5.68	99.94
91R-3, 107–110	934.47			6.84	68.50	4.48	1.79	9.50	0.60	0.14	6.10	97.95
91R-3, 117–120	934.57	5.01	1.36	7.67	62.73	2.33	2.06	9.29	0.56	0.09	4.54	90.62

Table T1 (continued).

Core, section, interval (cm)	Depth (mbsf)	Major element oxide (wt%)										Total
		Na ₂ O	MgO	Al ₂ O ₃	SiO ₂	S	K ₂ O	CaO	TiO ₂	MnO	Fe ₂ O ₃	
91R-3, 139–142	934.79		1.43	10.35	63.85	3.34	2.33	11.82	0.65		6.12	99.89
91R-3, 146–149	934.86	3.61	1.84	10.16	64.93	0.76	2.38	7.88	0.66	0.08	4.96	93.66
91R-4, 7–10	934.97		1.80	10.01	66.10	1.61	2.53	8.71	0.64	0.11	5.66	97.16
91R-4, 17–20	935.07		1.53	9.89	71.13	1.01	2.53	6.99	0.70	0.10	6.13	100.00
91R-4, 27–30	935.17		1.92	11.28	71.46	0.27	2.66	5.95	0.66	0.07	5.73	100.00
91R-4, 37–40	935.27		1.83	10.35	72.09	1.60	2.45	5.03	0.69		5.88	99.91
91R-4, 48–51	935.38		1.18	9.37	72.14	1.01	2.28	8.12	0.58	0.08	5.24	100.00
91R-4, 59–62	935.49		1.69	10.04	77.39	0.69	2.14	1.82	0.64		5.59	100.00
91R-4, 67–70	935.57		1.15	9.04	79.84	0.65	2.14	1.24	0.60	0.08	5.26	100.00
91R-4, 79–82	935.69		1.05	9.85	77.12	0.66	2.27	2.92	0.63	0.11	5.36	99.96
91R-4, 88–92	935.78	3.39	1.32	7.55	75.73	1.11	1.89	2.39	0.47	0.06	4.43	94.94
91R-4, 97–100	935.87		1.44	9.22	80.61	0.44	2.05	1.20	0.53	0.08	4.44	100.00
91R-4, 107–110	935.97		1.49	7.59	78.26	1.28	2.14	3.81	0.42		4.52	99.51
91R-4, 117–120	936.07		0.78	8.05	79.03	1.53	2.12	2.46	0.50	0.08	5.44	100.00
91R-4, 127–130	936.17		1.23	8.60	76.85	2.34	2.28	2.46	0.54	0.08	5.58	99.96
91R-4, 137–140	936.27		1.20	8.58	79.28	0.78	2.21	2.11	0.49		5.35	100.00
91R-4, 147–150	936.37		1.90	10.49	76.64	0.41	2.34	2.58	0.60		5.05	100.00
91R-5, 7–10	936.47	4.33	1.68	9.41	69.41	0.79	2.34	4.30	0.57	0.07	4.70	93.28
91R-5, 19–22	936.59		1.01	10.60	76.12	0.30	2.62	4.23	0.60	0.07	4.41	99.96
91R-5, 30–34	936.7	2.69	1.46	9.84	75.80	0.83	2.41	1.42	0.48	0.08	4.98	97.31
91R-5, 37–40	936.77		2.20	10.76	75.31	1.05	2.49	1.71	0.67	0.08	5.71	99.97
91R-5, 49–53	936.89		1.61	10.71	76.45	0.59	2.60	1.60	0.72	0.07	5.61	99.95
91R-5, 59–62	936.99		1.81	10.06	77.01	1.06	2.27	1.82	0.65	0.07	5.25	100.01
91R-5, 69–72	937.09		1.75	10.96	75.85	0.76	2.64	1.50	0.63		5.90	100.00
91R-5, 79–82	937.19		2.01	11.48	73.27	1.20	2.58	1.66	0.67	0.09	7.04	100.00
91R-5, 89–92	937.29		1.88	11.00	72.43	2.44	2.58	2.72	0.71	0.09	6.14	99.98
91R-5, 98–101	937.38	1.71	1.69	9.92	68.98	2.40	2.37	3.71	0.62	0.07	5.47	95.23
91R-5, 109–112	937.49		1.64	9.16	70.52	4.25	2.53	4.93	0.71	0.10	6.12	99.97
91R-5, 119–122	937.59		1.58	10.64	76.59	0.71	2.54	1.40	0.64	0.10	5.67	99.87
91R-5, 129–133	937.69		1.61	10.45	68.38	3.14	2.74	4.43	0.76		7.31	98.81
91R-5, 139–142	937.79		2.13	10.71	75.24	1.23	2.52	1.93	0.60	0.09	5.53	99.99
91R-5, 147–150	937.87	6.29	1.87	9.27	62.86	2.14	2.21	3.21	0.59	0.09	5.01	87.25
91R-6, 32–35	938.22	5.05	1.20	10.02	69.03	0.77	2.22	2.62	0.58	0.09	4.76	91.28
91R-6, 42–45	938.32	0.73	1.29	9.17	76.74	1.82	2.44	1.88	0.65	0.09	5.15	99.22
91R-6, 50–54	938.4	6.77	1.69	8.11	66.31	2.33	2.00	2.34	0.48	0.10	4.29	87.65
91R-6, 60–63	938.5		1.74	8.29	78.33	1.40	2.02	1.53	0.52	0.09	6.06	99.99
91R-6, 72–75	938.62		1.25	8.92	80.01	0.93	1.99	0.84	0.53		5.51	99.98
91R-6, 84–86	938.74		1.81	8.63	80.33	0.35	1.97	1.51	0.51	0.07	4.71	99.89
91R-6, 94–97	938.84	10.36	1.07	5.52	53.85	3.94	1.40	7.40	0.47	0.11	4.44	78.21
91R-6, 101–104	938.91		1.28	7.68	79.06	1.20	1.20	3.85	0.47	0.09	4.49	99.33
91R-6, 110–113	939		1.14	7.31	79.32	0.44	1.75	5.17	0.48			95.61
91R-6, 119–122	939.09		1.26	6.92	69.80	3.40	2.04	7.74	0.92	0.11	4.78	96.97
91R-6, 128–131	939.18			8.86	76.63	1.20	2.13	5.03	0.60	0.11	5.44	100.00
91R-6, 137–140	939.27	12.48		6.27	54.09	3.17	1.55	7.85	0.45	0.10	3.78	77.26
91R-CC, 6–9	939.39		1.12	9.20	73.94	0.92	2.01	5.61	0.64	0.11	5.12	98.68
91R-CC, 18–21	939.51		1.47	8.53	74.81	0.73	2.04	6.84	0.59	0.10	4.90	100.00
105R-1, 6–9	1065.36		1.36	8.85	58.13	9.75	2.67	9.19			7.46	97.43
105R-1, 18–21	1065.48		1.31	9.85	77.67	0.83	2.44	1.71	0.61		5.55	99.97
105R-1, 28–31	1065.58		1.53	9.31	77.82	0.93	2.34	1.48	0.55		6.00	99.96
105R-1, 38–41	1065.68		1.71	9.57	74.63	1.27	2.55	1.96	0.60		5.74	98.03
105R-1, 49–51	1065.79		1.54	8.72	80.93	0.22	2.26	1.00	0.56		4.74	99.97
105R-1, 56–60	1065.86		1.54	9.50	79.85	0.44	2.21	1.09	0.57		4.76	99.97
105R-1, 69–72	1065.99		1.34	9.40	79.80	0.27	2.42	1.34	0.55		5.06	100.18
105R-1, 79–82	1066.09	2.24	0.96	7.97	71.09	2.49	2.30	2.52	0.33		4.75	92.41
105R-1, 88–91	1066.18		1.54	9.92	78.18	0.34	2.58	1.25	0.58		5.57	99.97
105R-1, 97–100	1066.27		1.96	10.59	77.17	0.54	2.46	1.08	0.54		5.67	100.00
105R-1, 110–112	1066.4	9.74		7.46	58.66	3.45	2.12	4.74	0.41		4.53	81.37
105R-1, 119–122	1066.49	6.43	1.48	10.75	70.77	1.76	2.30	2.59	0.52			90.17
105R-1, 130–133	1066.6		1.68	12.24	75.06	0.21	2.76	1.31	0.64		6.10	100.00
105R-1, 137–140	1066.67		1.88	11.26	75.86	0.36	2.64	1.17	0.54		6.29	100.00
105R-1, 146–149	1066.76		1.45	10.83	76.22	0.94	2.35	1.18	0.52		6.51	100.00
105R-2, 8–11	1066.88		1.72	9.62	70.83	3.39	2.47	2.42			6.57	97.01
105R-2, 17–20	1066.97	0.83	1.59	9.94	76.06	0.90	2.54	1.69	0.60		5.07	98.40
105R-2, 27–30	1067.07		1.96	10.20	77.53	0.82	2.26	1.43	0.57	0.06	5.17	100.00
105R-2, 37–40	1067.17		1.26	10.67	76.93	0.61	2.40	1.32	0.59	0.06	6.15	100.00
105R-2, 46–49	1067.26		1.57	10.39	77.34	0.30	2.61	1.67	0.62	0.08	5.43	100.00
105R-2, 57–60	1067.37		1.20	10.46	78.39	0.18	2.32	1.17	0.59	0.06	5.61	99.98
105R-2, 67–70	1067.47		1.61	10.76	76.76	0.29	2.61	1.34	0.61	5.98		99.95
105R-2, 77–80	1067.57		1.78	10.13	77.68	0.41	2.26	1.62	0.55	0.06	5.52	100.00

Table T1 (continued).

Core, section, interval (cm)	Depth (mbsf)	Major element oxide (wt%)										Total
		Na ₂ O	MgO	Al ₂ O ₃	SiO ₂	S	K ₂ O	CaO	TiO ₂	MnO	Fe ₂ O ₃	
105R-2, 87-89	1067.67		1.70	12.59	73.19	0.57	2.79	1.79	0.67		6.71	100.00
105R-2, 97-100	1067.77		1.73	11.62	75.46	0.29	2.56	1.37	0.64		6.34	100.00
105R-2, 107-110	1067.87		1.23	11.03	76.51	0.55	2.55	1.47	0.63	0.10	5.93	99.99
105R-2, 117-120	1067.97		1.40	10.35	74.95	0.93	2.54	1.88	0.62	0.07	7.27	100.00
105R-2, 130-133	1068.1		1.90	10.54	77.14	0.34	2.41	1.58	0.60	0.06	5.43	100.00
105R-2, 137-140	1068.17		1.38	10.16	78.51	0.38	2.31	1.35	0.66	0.07	4.98	99.80
105R-2, 147-149	1068.27		2.04	9.98	78.36	0.57	2.13	1.43	0.51	0.05	4.89	99.96
105R-3, 7-10	1068.37		2.05	10.01	78.13	0.22	2.23	1.25	0.55		5.56	100.00
105R-3, 18-21	1068.48		1.59	10.33	77.36	0.49	2.44	1.74	0.60	0.07	5.38	100.00
105R-3, 26-29	1068.56	3.39	1.83	10.64	65.29	2.65	1.94	3.30	0.65	0.20	6.96	93.47
105R-3, 38-41	1068.68		1.82	9.70	77.03	0.86	2.39	1.60	0.59		5.95	100.00
105R-3, 50-52	1068.8		1.61	9.98	78.94	0.46	2.13	0.99	0.61		5.26	99.97
105R-3, 58-61	1068.88	11.56	0.99	6.17	50.54	4.34	1.93	4.98	0.43		5.61	75.00
105R-3, 68-70	1068.98	0.65	1.54	9.32	78.63	0.96	2.16	1.86	0.53		4.34	99.34
105R-3, 79-82	1069.09	3.53	1.55	9.35	70.06	1.31	2.40	2.55	0.55	0.06	5.40	93.22
105R-3, 87-90	1069.17		1.87	10.48	76.57	0.95	2.30	1.75	0.55	0.05	5.05	99.57
105R-3, 97-100	1069.27	4.73	1.80	8.86	69.46	1.17	2.32	1.92	0.54		5.56	91.63
105R-3, 105-107	1069.35		1.06	10.26	77.55	0.32	2.23	1.56	0.63	0.04	5.81	99.48
105R-3, 115-118	1069.45		1.52	10.97	77.11	0.39	2.31	1.48	0.61		5.58	99.97
105R-3, 126-129	1069.56		2.02	10.86	75.30	0.28	2.44	1.72	0.64	0.07	6.67	100.00
105R-3, 138-141	1069.68	3.59	1.54	9.78	68.01	2.15	2.34	3.24	0.54	0.07	5.85	93.52
105R-3, 147-150	1069.77	29.44		3.80	24.65	4.27	1.09	6.06	0.28		4.83	44.99
105R-4, 7-10	1069.88	9.78	1.60	8.02	54.05	3.23	2.15	4.15	0.51	0.07	6.66	80.45
105R-4, 16-18	1069.97		1.63	10.65	75.94	0.77	2.51	1.76	0.62	0.06	6.06	100.00
105R-4, 26-29	1070.07		1.59	10.76	74.73	0.86	2.64	1.91	0.55	0.55	6.85	100.43
105R-4, 36-39	1070.17		1.96	10.78	75.98	0.65	2.49	1.74	0.55	0.06	5.71	99.91
105R-4, 47-50	1070.28		2.04	11.10	74.47	0.70	2.46	1.98	0.55	0.07	6.59	99.97
105R-4, 56-59	1070.37	5.75	1.44	8.67	60.51	4.36	2.17	5.33	0.51		5.30	88.29
105R-4, 64-67	1070.45		1.63	11.13	75.97		2.52	1.07	0.67	0.07	6.54	99.60
105R-4, 78-81	1070.59		1.89	10.24	73.40	1.29	2.52	1.76	0.65	0.07	7.33	99.15
105R-4, 87-90	1070.68		1.75	10.15	77.23	0.70	2.32	1.52	0.74	0.06	5.50	99.97
105R-4, 96-99	1070.77	5.36	1.71	9.05	70.38	0.78	2.15	1.84	0.52	0.04	5.20	91.69
105R-4, 107-110	1070.88	2.98	1.61	8.89	66.12	3.53	2.55	4.00	0.50	0.06	6.68	93.93
105R-4, 117-120	1070.98	3.52	1.08	8.76	60.86	5.77	2.55	6.32	0.50	0.07	8.01	93.94
105R-4, 130-133	1071.11	3.77	1.15	10.61	66.69	1.93	2.45	3.08	0.52	0.10	6.55	93.07
105R-4, 138-141	1071.19		1.77	11.45	74.43	0.46	3.01	1.98	0.69	0.07	6.21	100.07
105R-4, 147-150	1071.28	nd	1.44	11.19	75.97	0.91	2.77	2.01	0.55	0.07	4.79	99.70
105R-5, 7-10	1071.38		1.46	9.62	78.78	0.29	2.49	1.26	0.53	0.06	5.51	100.00
105R-5, 17-20	1071.48		1.88	10.05	78.65	0.12	2.28	1.25	0.58	0.05	5.15	100.00
105R-5, 28-30	1071.59		1.63	10.31	77.23	0.39	2.65	1.54	0.48	0.04	5.36	99.63
105R-5, 35-39	1071.66	13.98		6.31	49.29	3.46	1.89	4.89	0.35		4.76	70.93
105R-5, 49-52	1071.8		1.08	8.77	75.49	2.08	2.28	2.68	0.68	0.06	4.80	97.91
105R-5, 57-60	1071.88		1.54	8.90	80.36	0.26	2.16	1.10	0.54	0.08	4.96	99.90
105R-5, 69-73	1072		1.37	10.08	78.72	0.20	2.58	1.26	0.52	0.09	5.17	100.00
105R-5, 77-80	1072.08		1.33	9.90	74.05	1.57	2.52	2.24	0.70	0.12	6.48	98.89
105R-5, 87-90	1072.18		1.42	10.30	77.35	0.37	2.79	1.27	0.66	0.09	5.70	99.95
105R-5, 97-100	1072.28		2.01	10.45	75.81	0.25	2.61	1.37	0.62	0.14	6.72	99.97
105R-5, 107-110	1072.38			10.73	76.68	0.55	2.97	2.45	0.94	0.11	5.56	99.97
105R-5, 118-122	1072.49	8.71		7.51	60.84	2.85	2.10	3.99	0.42	0.07	4.41	82.19
105R-5, 127-130	1072.58	5.94	1.01	8.10	59.73	4.76	2.30	5.69	0.46	0.13	5.70	87.87
105R-5, 137-140	1072.68	4.98	1.22	8.84	60.82	4.58	2.16	4.58	0.51	0.12	6.19	89.01
105R-5, 147-150	1072.78		1.75	10.11	58.40	8.04	2.58	10.02	0.68	0.17	7.11	98.85
105R-6, 8-12	1072.89		1.21	9.06	79.50	0.65	2.41	1.32	0.62		5.18	99.94
105R-6, 17-20	1072.98		1.62	9.36	72.96	1.82	2.35	2.46	0.50	0.13	6.03	97.22
105R-6, 27-30	1073.08		1.74	9.01	79.03	1.26	2.25	1.72	0.59		4.40	100.00
105R-6, 37-40	1073.18	4.19	1.20	8.68	65.02	4.48	2.00	4.51	0.55	0.16	5.95	92.54
105R-6, 60-63	1073.41	10.36		5.72	59.51	3.24	1.51	4.19	0.27		3.59	78.04
105R-6, 67-70	1073.48		1.27	7.40	84.57	0.27	1.72	0.93	0.35		3.47	99.98
105R-6, 78-81	1073.59		1.56	9.31	79.60	0.41	2.26	1.33	0.45	0.09	4.99	100.00
105R-6, 87-90	1073.68		1.03	8.87	77.70	0.57	2.38	1.01	0.40	0.13	6.87	98.97
105R-6, 99-102	1073.8		1.03	8.37	80.66	1.01	2.17	0.39	0.60	0.09	4.68	99.00
105R-6, 107-110	1073.88		1.56	9.57	77.00	1.05	2.58	1.91	0.49	0.11	5.73	100.00
105R-6, 117-120	1073.98			9.26	81.11	0.30	2.19	1.10	0.50	0.13	5.37	99.96
105R-6, 127-130	1074.08		1.72	9.44	79.39	0.42	2.12	1.53	0.50		4.89	100.00
105R-6, 137-140	1074.18	4.54	1.16	6.56	57.23	8.04	1.96	7.48	0.40	0.14	5.37	88.33
105R-CC, 6-9	1074.31		1.70	9.80	77.75	0.87	2.33	1.35	0.50		4.90	99.20
105R-CC, 15-18	1074.4		1.66	8.17	79.48	1.17	1.92	1.97	0.58		5.06	100.01