Table T2. Shore-based major and trace elements analysis of serpentinite muds. (Continued on next page.)

	195-1200A				195-1200B	195-1200D									
Core, section	9R-1	9R-1	9R-1	13R-1	2H-1	1H-1	2H-1	2H-2	1H-2	8H-1	1H-2	5H-1	1H-1	8H-1	1H-3
interval (cm):	77–79	27–29	63–65	1–3	52–54	15–17	124–126	81–83	118–120	119–121	100–102	6–9	54–56	127–129	116–118
Depth (mbsf):	71.17	70.67	71.03	108.71	31.22	0.15	8.14	9.21	2.68	26.19	2.50	13.76	0.54	26.27	4.16
Major element oxide (wt%):															
SiO_2		43.42	44.82	43.75	42.91	41.73	43.94	43.61	43.30	35.76	43.30	42.94	45.15		43.90
TiO_2	0.08	0.00	0.04	0.06	0.01	0.05	0.01	0.02	0.04	3.92	0.01	0.01	0.01		0.00
Al_2O_3		1.15	0.79	0.72	0.78	1.12	0.60	0.42	0.51	21.16	0.38	0.77	1.04		1.43
Fe_2O_3T		8.66	8.01	8.35	8.18	6.77	8.12	8.64	8.07	13.21	7.93	8.81	8.19		8.14
MnO		0.13	0.11	0.12	0.12	0.07	0.11	0.12	0.11	0.18	0.10	0.14	0.10		0.12
MgO		43.22	44.54	45.39	47.31	38.23	46.68	47.71	47.09	3.04	45.66	45.38	43.04		46.01
CaO		0.94	0.46	0.65	0.58	9.80	0.34	0.68	0.57	21.33	0.12	0.30	0.45		0.24
Na_2O		0.15	0.08	0.05	0.09	0.11	0.04	0.04	0.06	0.28	0.08	0.16	0.40		0.03
K_2O	0.03	0.07	0.04	0.03	0.02	0.05	0.02	0.02	0.06	0.03	0.03	0.04	0.04	0.03	0.05
P_2O_5															
Totals:		97.74	98.92	99.14	100.01	97.94	99.87	101.25	99.77	95.00	97.62	98.52	98.42		99.90
LOI	16.30	14.57	14.20	15.00	14.20	16.45	15.09	13.00	17.20	7.60	14.60	18.70	21.20	15.10	15.98
Trace element (ppm):															
Sc	10.8	12.1	22.6	15.4	8.4	11.2	16.6	10.9	12.6	43.1	16.8	19.8	19.7	12.2	6.4
V	38.2	46.7	85.4	58.0	18.6	43.7	72.0	44.1	53.1	216.0	56.6	73.6	64.8	44.9	16.7
Cr		3263	2011	2929	2210	2950	3114	2507	2243	54	2461	2973	3748		2382
Ni	3652	5377	4738	5584	3377	2648	4145	4537	6162	130	4737	4486	5297	3492	5240
Sr		14.3	10.5	19.8	15.3	1756.6	6.9	59.6	52.6	321.5	3.5	15.2	71.3		4.7
Ba	4.4	30.0	13.0	5.1	3.3	10.6	5.2	3.6	5.7	317.4	8.6	10.1	8.8	4.0	0.8
Zr	12.3	13.3	19.4	13.4	6.2	13.3	14.2	12.1	13.9	23.4	15.2	14.0	19.1	10.6	7.7
Y	98.3	185.5	61.1	64.4	59.9	72.3	63.4	57.9	60.3	127.2	60.3	72.4	65.6	51.7	57.5
B (DCP-AES)			19.2	13.2			28.5	10.5	24.2						
Li (DCP-AES)	2.4	3.4	2.4	1.3										21.1	

Notes: Boron and Li concentrations were analyzed on the direct-current plasma–atomic emission spectrometer at USF. LOI = loss on ignition.

Table T2 (continued).

	195-1200E				195-1200F		
Core, section interval (cm):	2H-3 34–36	5H-1 40–42	5H-2 84–86	5H-1 37–39	1H-4 6–8	2H-2 3–5	1H-5 18–20
Depth (mbsf):	9.44	18.00	19.89	17.97	4.56	9.23	6.18
Major element oxide (wt%):							
SiO_2	44.66	43.43	43.55	42.78	44.67	45.18	43.50
TiO_2	0.00	0.00	0.07	0.00	0.06	0.00	0.06
Al_2O_3	1.47	0.57	0.84	1.12	0.93	1.26	0.83
Fe_2O_3T	8.30	8.27	8.23	8.21	8.11	7.73	8.08
MnO	0.12	0.12	0.12	0.12	0.12	0.11	0.12
MgO	42.64	45.61	44.65	45.98	45.62	43.58	45.50
CaO	1.13	0.60	0.66	0.68	0.85	1.33	0.75
Na_2O	0.14	0.03	0.05	0.06	0.15	0.16	0.11
K_2O	0.03	0.05	0.03	0.03	0.03	0.03	0.04
P_2O_5							
Totals:	98.56	98.67	98.20	99.01	100.58	99.43	98.98
LOI	14.22	16.94	16.77	16.00	15.50	14.30	14.90
Trace element (ppm):							
Sc	7.7	12.2	14.1	20.0	17.2	11.2	1.7
V	25.9	47.0	52.6	80.9	62.6	37.2	3.2
Cr	2344	2698	2639	2874	1942	1966	2274
Ni	4399	5443	5000	5332	3527	3052	3504
Sr	20.2	12.4	15.3	9.4	30.0	9.5	12.5
Ba	13.9	10.7	11.4	13.9	14.2	7.4	11.6
Zr	11.2	12.5	14.7	16.8	20.6	13.3	6.2
Y	55.9	526	62.2	199	56.5	53.7	49.9
B (DCP-AES)	19.5	9.8	16.7				
Li (DCP-AES)							