
Volume 135A

Chapter 11

Table 16

Table 16. Physical properties data for Holes 841 and 841B.

Core, section, interval (cm)	Depth (mbsf)	TC (W/[m · °K])	Su (kPa)	Bulk density (g/cm ³)	Grain density (g/cm ³)	Porosity (%)	Water content (%)	Void ratio	V _p (m/s)	V _p dir.
135-841A-										
1H-1, 88-90	0.88			1.51	2.69	80	117	3.9		
1H-2, 60-60	2.10	0.885								
1H-2, 82-83	2.32		10.0	1.48	2.88	77	115	3.3		
1H-3, 60-60	3.60	1.007								
1H-3, 79-81	3.79		15.4	1.57	5.74	75	96	3.0	1462	A
1H-4, 60-60	5.10	0.937								
1H-5, 77-79	6.77		19.9	1.64	2.70	71	79	2.4	1510	A
1H-6, 38-40	7.88		24.2	1.63	2.63	79	97	3.6		
1H-6, 60-60	8.10	0.938								
2H-1, 101-103	9.51		34.9	1.52	2.64	75	102	3.0	1513	A
2H-2, 60-60	10.60	0.855								
2H-3, 60-60	12.10	0.984								
2H-3, 63-65	12.13		39.7						1536	C
2H-3, 69-71	12.19	0.931		1.49	2.61	78	116	3.6		
2H-4, 60-60	13.60									
2H-5, 90-91	15.40			1.55	2.68	78	106	3.5		
2H-5, 95-97	15.45		48.7						1574	C
2H-6, 60-60	16.60	0.855								
2H-6, 72-73	16.72		122.5							
2H-6, 79-81	16.79								1620	C
2H-6, 124-126	17.24								1589	C
3H-1, 81-83	18.81		50.8	1.48	2.66	80	124	3.9		
3H-1, 83-85	18.83								1585	C
3H-2, 60-60	20.10	0.800								
3H-3, 60-60	21.60	0.955								
3H-3, 84-86	21.84		71.7	1.46	2.75	82	136	4.5		
3H-3, 87-89	21.87								1584	C
3H-3, 91-93	21.91								1559	C
3H-4, 60-60	23.10	0.920								
3H-5, 73-74	24.73		35.3	1.36	2.38	81	155	4.2		
3H-5, 75-77	24.75								1612	C
3H-6, 38-40	25.88		156.7	1.44	2.66	83	145	5.0		
3H-6, 60-60	26.10	0.891								
4H-1, 68-70	28.18			1.39	2.65	84	159	5.0	1495	C
4H-1, 74-75	28.24		41.9							
4H-2, 60-60	29.60	0.830								
4H-2, 118-120	30.18			1.50	2.76	78	114	3.6	1526	C
4H-3, 60-60	31.10	0.990								
4H-3, 74-75	31.24		82.8							
4H-3, 76-78	31.26		82.8	1.43	2.65	83	147	5.0		
4H-4, 60-60	32.60	0.983								
4H-4, 75-77	32.75								1570	C
4H-5, 92-94	34.42			1.46	2.69	82	135	4.5	1560	C
4H-5, 96-97	34.46		115.9							
4H-6, 60-60	35.20	0.944								
5H-2, 36-38	38.41			1.47	2.72	79	123	3.8	1495	A
5H-2, 60-60	39.10	0.727								
5H-2, 88-89	39.93		130.0							
5H-3, 64-66	40.19			1.52	2.64	76	105	3.2		
5H-3, 98-100	40.53			1.53	2.69	77	105	3.3		
5H-3, 60-60	40.60	0.940								
5H-3, 102-103	40.57		137.0							
5H-4, 98-100	42.03			1.49	2.57	79	117	3.6		
5H-4, 60-60	42.10	0.901								
5H-4, 100-101	42.05		176.0							
5H-5, 64-66	43.21			1.70	2.63	62	60	1.6		
5H-6, 82-84	44.85			1.53	2.76	78	109	3.5	1709	C
5H-6, 60-60	45.10	0.936								
6H-1, 25-27	46.75			1.52	2.75	76	105	3.2		
6H-1, 28-29	46.78			1.66	2.39	70	77	2.4	1521	A
6H-2, 60-60	48.60	0.868								
6H-3, 60-60	50.10	1.092								
6H-3, 78-80	50.28			1.6	2.77	73	88	2.7		
6H-4, 60-60	51.60	0.957								
6H-5, 38-40	52.88			1.58	2.75	75	94	3.0		
6H-5, 60-60	53.10	0.915								
7H-CC, 11-13	56.40			1.91	2.68	57	44	1.3	2086	A
8H-1, 45-45	65.95	0.756								
8H-1, 87-89	66.37			1.67	2.71	69	73	2.2	1778	A
8H-2, 35-36	67.35			1.75	2.80	66	63	1.9	1835	A
8H-2, 60-60	67.60	0.961								
8H-3, 60-60	69.10	0.911								
8H-3, 115-117	69.65			1.79	2.73	63	56	1.7	1975	A
8H-4, 75-75	70.75	0.932								
9X-1, 40-42	72.10			1.64	2.73	72	82	2.6		

Table 16 (continued).

Core, section, interval (cm)	Depth (mbsf)	TC (W/[m · °K])	Su (kPa)	Bulk density (g/cm ³)	Grain density (g/cm ³)	Porosity (%)	Water content (%)	Void ratio	V _p (m/s)	V _p dir.
135-841A- (cont.)										
9X-1, 56-58	72.26			1.61	2.36	66	72	1.9		
9X-1, 60-60	72.30	0.792								
10X-1, 5-6	81.45			1.90	2.83	62	50	1.6		
11X-1, 19-20	91.19			1.72	2.66	66	64	1.9		
11X-1, 35-37	91.35								1832	C
11X-1, 102-104	92.02								1964	C
13X-1, 13-15	110.43			2.03	2.68	54	37	1.2	1877	C
14X-1, 5-7	120.05								1927	A
14X-1, 6-7	120.06			1.75	2.78	70	70	2.3		
14X-1, 12-13	120.12			1.69	2.81	73	81	2.8	1927	A
14X-1, 66-67	120.66			1.92	2.84	59	45	1.4	2144	A
15X-1, 50-51	130.10			1.80	2.64	29	19	0.4	1991	A
15X-1, 58-59	130.18			1.86	2.60	57	45	1.3	2053	B
15X-1, 74-76	130.34			1.89	2.71	87	89	6.6	1750	A
16X-1, 2-4	139.32			1.84	2.61	66	59	2.0	1806	B
16X-1, 24-26	139.54			1.98	2.83	55	40	1.2	1978	A
16X-1, 24-26	139.54								1997	B
17X-1, 2-4	148.92			1.90	2.57	52	39	1.1	1935	A
17X-1, 12-14	149.02			1.83	2.70	59	50	1.5	1885	A
17X-1, 18-19	149.08			2.03	2.74	51	34	1.0	1817	A
18X-1, 19-21	154.09			1.75	2.56	56	48	1.3	1888	A
18X-1, 19-21	154.09								1895	B
18X-1, 26-27	154.16			1.74	2.53	67	65	2.0	1676	A
19X-1, 25-27	159.35			1.77	2.71	64	59	1.8	1799	A
19X-1, 40-42	159.50			1.93	2.71	53	40	1.1	1818	A
19X-1, 40-42	159.50								1868	B
21X-1, 13-14	177.03			1.91	2.65	57	44	1.3	1778	A
21X-1, 38-39	177.28			1.87	2.70	59	48	1.4	1655	A
21X-1, 77-79	177.67			1.95	2.79	61	47	1.6	1876	A
21X-1, 77-79	177.67								1884	B
135-841B-										
2R-1, 48-50	170.28			1.87	2.58	51	39	1.0	1990	A
2R-1, 48-50	170.28								2041	B
2R-1, 73-83	170.53	0.628								
2R-1, 106-108	170.86			1.89	2.58	56	43	1.3	1932	C
2R-2, 68-70	171.98			1.83	2.80	55	45	1.2	1861	A
2R-2, 68-70	171.98								2008	B
2R-2, 105-107	172.35								1870	A
2R-3, 24-33	173.04	1.064								
2R-3, 36-38	173.16			1.91	2.69	57	44	1.3	1972	C
2R-3, 36-38	173.16								1847	A
2R-3, 36-38	173.16								1918	B
3R-1, 2-4	179.42			1.97	2.80	60	46	1.5	1926	C
3R-1, 2-4	179.42								1973	B
3R-1, 2-4	179.42								1886	A
3R-1, 6-14	179.46									
3R-1, 100-102	180.40			1.96	2.54	51	36	1.0	2081	C
3R-1, 100-102	180.40								2102	B
3R-1, 100-102	180.40								1992	A
3R-2, 5-7	180.58			1.80	2.66	62	55	1.6	1927	C
3R-2, 5-7	180.58								1904	B
3R-2, 5-7	180.58								1907	A
3R-2, 9-17	180.99	1.071								
4R-1, 100-102	190.10			1.88	2.78	66	56	1.9	28	C
4R-1, 100-102	190.10								1909	B
4R-1, 100-102	190.10								1862	A
4R-1, 104-114	190.14	0.941								
4R-2, 16-18	190.76			2.00	2.62	58	43	1.4	2111	C
4R-2, 16-18	190.76								2137	B
4R-2, 16-18	190.76								1944	A
4R-2, 33-41	190.93	1.089								
5R-1, 10-12	198.80			1.89	2.70	60	48	1.5	1998	C
5R-1, 10-12	198.80								2091	B
5R-1, 10-12	198.80								1911	A
5R-1, 13-23	198.83	1.135								
5R-1, 132-135	200.02								1973	C
5R-2, 8-10	200.28			1.88	2.57	61	49	1.5	1933	C
5R-2, 8-10	200.28								2040	B
5R-2, 8-10	200.28								1890	A
5R-2, 13-25	200.33	1.118								
6R-1, 46-48	208.86			2.02	2.74	52	36	1.1	2123	C
6R-1, 46-48	208.86								2080	B
6R-1, 46-48	208.86								2000	A

Table 16 (continued).

Core, section, interval (cm)	Depth (mbsf)	TC (W/[m · °K])	Su (kPa)	Bulk density (g/cm ³)	Grain density (g/cm ³)	Porosity (%)	Water content (%)	Void ratio	V _p (m/s)	V _p dir.
135-841B- (cont.)										
6R-2, 8-14	209.98	1.093								
6R-2, 16-18	210.06			1.98	2.73	49	34	1.0	1863	B
6R-2, 16-18	210.06								1879	C
6R-2, 16-18	210.06								1957	A
6R-2, 63-65	210.53			2.03	2.73	51	34	1.0	2196	C
6R-2, 64-66	210.54								2177	B
6R-2, 64-66	210.54								2130	A
7R-1, 18-20	218.28			1.99	2.64	50	35	1.0	2077	C
7R-1, 18-20	218.28								2142	B
7R-1, 18-20	218.28								2022	A
7R-1, 100-114	219.10	1.433								
7R-2, 24-26	219.84			1.94	2.71	56	42	1.3	2053	C
7R-2, 24-26	219.84								2119	B
7R-2, 24-26	219.84								2030	A
7R-2, 26-41	219.86	1.053								
8R-1, 2-3	227.72			1.98	2.64	54	38	1.2	2299	C
8R-1, 2-4	227.72								2232	A
8R-1, 2-4	227.72								2180	B
8R-1, 8-18	227.78	1.046								
8R-2, 23-25	228.78			2.00	2.60	49	34	1.0	2185	C
8R-2, 23-25	228.78								2199	B
8R-2, 23-25	228.78								2149	A
8R-2, 36-37	229.46	1.094								
9R-1, 79-81	238.19			2.11	2.74	44	27	0.8	2554	C
9R-1, 80-82	238.20								2553	A
9R-1, 80-82	238.20								2602	B
9R-1, 85-87	238.25			2.05	2.75	48	3	20.9		
9R-1, 116-130	238.56	1.336								
9R-2, 1-11	238.91	1.118								
9R-2, 36-38	239.26			2.02	2.65	50	34	1.0	2413	C
9R-2, 36-38	239.26								2669	B
9R-2, 36-38	239.26								2586	A
10R-1, 2-4	247.02			1.94	2.62	50	36	1.0	2568	A
10R-1, 2-4	247.02								2635	B
10R-1, 79-80	247.79								2065	A
10R-1, 118-120	248.18			2.04	2.65	49	33	1.0	2481	A
10R-1, 118-120	248.18								2539	B
11R-1, 10-12	256.80			1.84	2.70	56	45	1.3	2256	B
11R-1, 1012	256.80								2164	A
11R-2, 89-93	257.59	1.006								
11R-2, 41-43	257.85			1.76	2.43	61	55	1.6	2214	A
11R-2, 41-43	257.85								2244	B
11R-2, 101-103	258.45			2.01	2.60	48	32	0.9	2693	A
11R-2, 101-103	258.45								2745	B
12R-1, 84-86	267.14			2.13	2.76	46	28	0.8	2634	A
12R-1, 84-86	267.14								2766	B
12R-1, 125-135	267.55	1.794								
12R-2, 84-86	268.64			1.97	2.69	49	34	1.0	2798	A
12R-2, 84-86	268.64								2882	B
12R-2, 91-100	268.71	1.074								
13R-1, 48-50	276.08			2.13	2.28	40	24	0.7	2797	A
13R-1, 48-50	276.08								2737	B
13R-2, 11-13	277.21								2818	A
13R-2, 11-13	277.21								2780	B
13R-2, 12-14	277.22			2.18	2.44	39	23	0.6		
13R-2, 104-114	278.14	1.114								
13R-3, 97-99	279.57			2.00	2.53	47	31	0.9	2349	A
13R-3, 97-99	279.57								2381	B
13R-4, 40-42	280.50			1.79	2.49	62	54	1.6	2007	A
13R-4, 40-42	280.50								1963	B
13R-4, 43-53	280.53	1.085								
15R-1, 2-4	294.92			2.15	2.54	42	25	0.7	2589	C
15R-1, 2-4	294.92								2684	B
15R-1, 2-4	294.92								2694	A
15R-2, 97-99	297.24			2.04	2.48	45	29	0.8	2438	C
15R-2, 97-99	297.24								2455	B
15R-2, 97-99	297.24								2425	A
15R-3, 2-4	297.79			2.01	2.52	48	32	0.9	2397	C
15R-3, 2-4	297.79								2417	B
15R-3, 2-4	297.79								2391	A
15R-4, 34-36	299.56								2415	C
15R-4, 34-36	299.56								2446	B
15R-4, 34-36	299.56								2410	A
15R-4, 40-47	299.80	1.130								
16R-1, 112-114	305.72			1.97	2.47	48	34	0.9	2221	C

Table 16 (continued).

Core, section, interval (cm)	Depth (mbsf)	TC (W/[m · °K])	Su (kPa)	Bulk density (g/cm ³)	Grain density (g/cm ³)	Porosity (%)	Water content (%)	Void ratio	V _p (m/s)	V _p dir.
135-841B- (cont.)										
16R-1, 112-114	305.72								2253	B
16R-1, 112-114	305.72								2234	A
16R-1, 114-124	305.74	1.769								
16R-2, 72-74	306.82			2.04	2.57	45	29	0.8	2420	C
16R-2, 72-74	306.82								2471	B
16R-2, 72-74	306.82								2480	A
16R-3, 30-32	307.90								2281	C
16R-3, 30-32	307.90								2352	B
16R-3, 30-32	307.90								2262	A
16R-3, 70-82	308.30	1.292								
16R-4, 1-10	308.61	1.555								
16R-4, 126-128	310.36			2.05	2.59	46	30	0.9	2528	C
16R-4, 126-128	310.36								2504	B
16R-4, 126-128	310.36								2370	A
16R-5, 90-100	311.00	1.269								
16R-5, 102-104	311.62			2.07	2.65	47	31	0.9	2269	C
16R-5, 102-104	311.62								2268	B
16R-5, 102-104	311.62								2265	A
17R-1, 93-102	314.73	1.544								
17R-1, 104-106	314.84			2.17	2.66	40	24	0.7	2680	C
17R-1, 104-106	314.84								2650	B
17R-1, 104-106	314.84								2692	A
17R-2, 68-70	315.98			2.02	2.58	49	33	0.9	2159	C
17R-2, 68-70	315.98								2175	B
17R-2, 68-70	315.98								2134	A
17R-3, 30-32	317.10			2.06	2.20	45	29	0.8	2143	C
17R-3, 30-32	317.10								2184	B
17R-3, 30-32	317.10								2153	A
17R-3, 36-50	317.16	1.318								
17R-4, 30-32	318.60			2.02	2.70	54	37	1.2	1916	C
17R-4, 30-32	318.60								2021	B
17R-4, 30-32	318.60								1922	A
18R-1, 108-110	324.58			2.08	2.86	45	28	0.8	2098	C
18R-1, 108-110	324.58								2132	B
18R-1, 108-110	324.58								2110	A
18R-1, 112-120	324.62	1.521								
18R-2, 53-62	325.53	1.289								
18R-2, 64-66	325.64			2.20	3.37	38	21	0.6	2442	C
18R-2, 64-66	325.64								2475	B
18R-2, 64-66	325.64								2517	A
19R-1, 16-18	333.36			2.27	2.70	37	20	0.6	2538	C
19R-1, 16-18	333.36								2596	B
19R-1, 71-79	333.91	1.522								
19R-2, 23-28	334.93			2.13	2.68	39	23	0.6	2228	B
19R-2, 23-25	334.93								2099	A
19R-2, 88-92	335.58	1.406								
19R-3, 8-10	336.28			2.24	2.71	34	19	0.5	2345	C
19R-3, 8-10	336.28								2350	B
19R-3, 8-10	336.28								2351	A
20R-1, 78-80	343.28			2.22	2.68	34	19	0.5	2681	C
20R-1, 78-80	343.28								2723	B
20R-1, 78-80	343.28								2735	A
20R-1, 108-119	343.58	1.336								
20R-2, 60-62	344.58			2.10	2.65	44	27	0.8	2092	C
20R-2, 60-62	344.58								2177	B
20R-2, 60-62	344.58								2144	A
20R-2, 135-144	345.35	1.297								
20R-2, 135-144	345.35	1.324								
20R-3, 6-8	345.54			2.16	2.67	39	22	0.6	2476	C
20R-3, 6-8	345.54								2597	B
20R-3, 6-8	345.54								2533	A
21R-1, 75-77	352.85			2.02	2.64	43	28	0.8	2072	A
21R-1, 75-77	352.85								2095	B
21R-1, 84-86	352.94								2605	C
21R-1, 105-107	353.15								2797	C
21R-1, 123-125	353.33								2827	C
21R-1, 130-132	353.40								2725	C
21R-1, 134-136	353.44								2898	C
21R-1, 144-146	353.54								2355	C
21R-2, 2-4	353.62			2.24	2.70	36	20	0.6	2633	A
21R-2, 2-4	353.62								2629	B
21R-2, 6-14	353.66	1.138								
21R-2, 28-30	353.88								2936	C
21R-2, 36-38	353.96								2873	C
21R-2, 54-56	354.14			2.15	2.60	38	22	0.6	2673	A

Table 16 (continued).

Core section interval (cm)	Depth (mbsf)	TC (W/(m · °K))	Su (kPa)	Bulk density (g/cm ³)	Grain density (g/cm ³)	Porosity (%)	Water content (%)	Void ratio	V _p (m/s)	V _p dir.
135-841B- (cont.)										
21R-2, 54-56	354.14								2708	B
21R-2, 57-59	354.17								2713	C
21R-2, 69-71	354.29								2721	C
21R-2, 80-90	354.40	1.306		2.14	2.72	40	24	0.7	2618	C
21R-2, 93-95	354.53								2469	A
21R-2, 93-95	354.53			2.13	2.61	41	25	0.7	2442	B
21R-2, 101-103	354.61								2346	A
21R-2, 101-103	354.61								2438	B
21R-2, 114-116	354.74								2452	C
21R-2, 120-122	354.80								2423	C
21R-2, 140-142	355.00			2.21	2.68	41	23	0.7	2427	C
21R-3, 119-120	356.26								2412	A
21R-3, 119-120	356.26								2435	B
21R-3, 140-142	356.47			2.25	2.71	33	18	0.5	2329	C
22R-1, 47-49	361.87								2762	A
22R-1, 47-49	361.87								2789	B
22R-2, 119-121	364.01	1.477		2.29	2.68	33	18	0.5	2728	A
22R-2, 112-114	364.02								2715	B
22R-2, 112-114	364.02									
22R-3, 33-43	364.73	1.343		2.09	2.70	43	27	0.7	2052	A
22R-3, 34-36	364.74								2003	B
22R-3, 34-36	364.74									
23R-1, 8-20	371.18	2.002		2.27	2.66	35	19	0.5	2705	A
23R-1, 21-23	371.31								2704	B
23R-1, 21-23	371.31			2.28	2.70	33	18	0.5	2609	A
23R-2, 93-95	373.46								2572	B
23R-2, 93-95	373.46									
23R-2, 95-105	373.55	1.512		2.25	2.75	35	19	0.5	2532	A
23R-3, 74-76	374.73								2561	B
23R-3, 74-76	374.73			2.56	2.76	22	10	0.3	3348	C
23R-4, 28-60	375.25									
23R-4, 25-34	375.85	2.270								
24R-1, 33-42	381.03	1.486		2.28	2.70	34	18	0.5	2658	A
24R-1, 43-45	381.13								2609	B
24R-1, 43-45	381.13			2.17	2.66	39	22	0.6	2203	A
24R-1, 116-118	381.86								2205	B
24R-1, 116-118	381.86									
24R-2, 118-129	383.38	1.452								
25R-1, 17-24	390.57	1.427		3.12	2.98	25	9	0.3	3658	C
25R-2, 112-114	392.83								4222	B
25R-2, 112-114	392.83								4195	A
25R-2, 112-114	392.83									
25R-2, 112-120	393.02	1.459		2.86	2.95	24	10	0.3	4370	C
25R-4, 22-24	394.85								4379	C
25R-4, 22-26	394.85								4779	A
25R-4, 22-26	394.85									
25R-4, 20-30	395.10	1.466		2.20	2.65	38	22	0.6	2632	A
26R-1, 32-34	400.42								2504	B
26R-1, 32-34	400.42									
26R-1, 36-46	400.46	1.568								
26R-2, 26-34	401.86	1.378		2.35	2.73	37	19	0.6	2700	B
26R-2, 42-44	401.99			2.69	2.84	24	10	0.3	5169	A
27R-1, 28-30	409.98			2.28	2.74	39	22	0.7		
28R-1, 24-26	419.64								2832	C
29R-1, 34-36	429.44								2782	B
29R-1, 34-36	429.44								2975	A
29R-1, 34-36	429.44								2905	A
30R-1, 67-69	439.47									
30R-1, 71-84	439.51	1.618							2349	A
32R-1, 28-29	458.38								2667	C
32R-1, 40-42	458.50								2867	C
32R-1, 54-56	458.64								2667	C
32R-1, 82-84	458.92			1.98	2.61	47	32	0.9		
32R-1, 87-88	458.97									
32R-1, 133-142	459.43	1.380							2900	C
32R-2, 11-13	459.65			2.22	2.54	41	23	0.7	2500	C
32R-2, 22-23	459.76									
32R-2, 50-60	460.10	1.251		2.24	2.85	45	26	0.8		
32R-2, 64-65	460.18			2.02	2.46	40	26	0.7	3621	A
33R-1, 11-13	467.91								3707	B
33R-1, 11-13	467.91								3644	C
33R-1, 11-13	467.91									
33R-1, 21-30	468.01	1.140								
33R-2, 12-20	469.42	1.083		1.95	2.39	45	31	0.8	3255	A
33R-2, 60-62	469.88									

Table 16 (continued).

Core, section, interval (cm)	Depth (mbsf)	TC (W/[m · °K])	Su (kPa)	Bulk density (g/cm ³)	Grain density (g/cm ³)	Porosity (%)	Water content (%)	Void ratio	V _p (m/s)	V _p dir.
135-841B- (cont.)										
33R-2, 62-64	469.90								3469	B
33R-2, 62-64	469.90								3504	C
33R-3, 64-66	471.42			1.90	2.45	46	33	0.8	3423	A
33R-3, 64-66	471.42								3375	B
33R-3, 64-66	471.42								3319	C
33R-3, 64-66	471.42									
34R-1, 43-54	477.93	1.141		1.88	2.45	45	33	0.8	3213	A
34R-1, 122-124	478.72								3228	B
34R-1, 122-124	478.72								3218	C
34R-1, 122-124	478.72									
34R-2, 44-57	479.44	1.127								
34R-2, 44-57	479.44	1.121		2.00	2.38	47	32	0.9	3002	A
34R-2, 115-117	480.13								3013	B
34R-2, 115-117	480.13								3142	C
34R-2, 115-117	480.13									
35R-1, 78-87	487.38	1.062								
35R-1, 78-87	487.88	1.020		1.85	2.38	50	39	1.0	2449	A
35R-1, 106-108	488.16								2478	B
35R-1, 106-108	488.16								2493	C
35R-1, 106-108	488.16									
35R-2, 63-74	489.23	1.147		2.03	2.41	45	30	0.8	2742	A
35R-2, 109-110	489.71								2825	B
35R-2, 113-115	489.75								2857	C
35R-2, 113-115	489.75			2.09	2.37	40	24	0.7	3232	A
35R-2, 113-115	489.75								3232	B
35R-3, 123-125	491.37								3098	C
35R-3, 123-125	491.37								3685	A
35R-3, 123-125	491.37									
36R-1, 10-12	496.90									
36R-1, 30-37	497.10	1.628		2.46	2.39	67	39	2.0	3085	B
36R-2, 100-102	499.30								3003	A
36R-2, 100-102	499.30									
36R-3, 56-63	500.36	1.168							2501	B
36R-3, 66-68	500.46								2411	A
36R-3, 66-68	500.46			1.90	2.38	49	36	1.0	2745	A
37R-1, 78-80	507.18								2836	A
37R-1, 78-80	507.18								2736	B
37R-1, 78-80	507.18									
37R-1, 82-95	507.22	1.065		2.02	2.59	54	37	1.2	2493	B
37R-3, 119-121	510.46								2423	A
37R-3, 119-121	510.46									
37R-3, 130-139	510.60	1.169		1.99	2.54	54	38	1.2	2527	B
37R-4, 89-91	511.65								2484	A
37R-4, 89-91	511.65									
38R-1, 40-49	516.50	1.457		1.90	2.42	49	36	0.9	2820	C
38R-1, 58-60	516.68								2839	B
38R-1, 58-60	516.68								2653	A
38R-1, 58-60	516.68			1.94	2.43	51	37	1.0	2973	C
38R-2, 144-146	518.90								3000	B
38R-2, 144-146	518.90								2915	A
38R-2, 144-146	518.90									
38R-3, 90-102	520.00	1.210		2.16	2.51	42	25	0.7	3048	B
38R-3, 110-112	520.06								2976	A
38R-3, 110-112	520.06			2.01	2.53	47	31	0.9	3161	B
39R-1, 118-120	526.88								3148	A
39R-1, 118-120	526.88									
39R-1, 124-140	526.94	1.261								
39R-2, 61-68	527.80	1.054		1.81	2.26	55	45	1.2	2842	B
39R-2, 70-72	527.90								2670	A
39R-2, 70-72	527.90									
40R-1, 106-116	536.36	1.258		2.26	2.68	38	21	0.6	2979	B
40R-1, 119-121	536.49								2971	A
40R-1, 119-121	536.49								2968	C
40R-1, 119-121	536.49								2278	B
40R-1, 119-121	536.49								2220	A
40R-2, 42-44	537.15									
40R-2, 42-44	537.15									
40R-3, 1-10	538.31	1.206		2.14	2.68	57	38	1.3	2467	A
40R-3, 42-44	538.65			2.20	2.58	45	26	0.8	2554	B
41R-1, 40-42	545.40								2535	C
41R-1, 40-42	545.40									
41R-1, 40-42	545.40			2.28	2.83	36	19	0.6	2926	A
41R-2, 29-31	546.79								2922	B
41R-2, 29-31	546.79								2914	C
41R-2, 29-31	546.79									
41R-2, 29-31	546.79			2.25	2.72	35	19	0.5	2751	A
41R-3, 22-24	548.22								2831	B
41R-3, 22-24	548.22								2805	C
41R-3, 22-24	548.22									

Table 16 (continued).

Core, section, interval (cm)	Depth (mbsf)	TC (W/(m · °K))	Su (kPa)	Bulk density (g/cm ³)	Grain density (g/cm ³)	Porosity (%)	Water content (%)	Void ratio	V _p (m/s)	V _p dir.
135-841B- (cont.)										
41R-3, 132-134	549.32			1.96	2.64	52	37	1.1	2129	A
41R-3, 132-134	549.32								2222	B
41R-CC, 4-6	549.54								1993	A
42R-1, 31-33	554.61			2.09	2.67	47	30	0.9	2169	A
42R-2, 64-66	556.44			2.10	2.68	46	29	0.8	2216	A
42R-2, 64-66	556.44								2230	B
42R-3, 25-27	557.55			2.03	2.79	50	33	1.0	2134	A
42R-3, 25-27	557.55								2140	B
42R-4, 21-23	559.01			2.09	2.64	48	30	0.9	2135	A
42R-4, 21-23	559.01								2145	B
42R-CC, 8-10	560.37			2.06	2.73	49	32	1.0	2413	A
42R-CC, 8-10	560.37								2447	B
43R-1, 18-20	564.18			1.90	2.57	53	40	1.1	2321	A
43R-1, 18-20	564.18								2315	B
43R-2, 22-24	565.74			1.79	3.90	0	0	0.0	2238	A
43R-2, 22-24	565.74								2238	B
44R-1, 27-29	573.87			2.03	2.68	50	33	1.0	2374	A
44R-1, 27-29	573.87								2399	B
44R-2, 18-20	575.24			2.03	2.75	49	33	1.0	2586	A
44R-2, 18-20	575.24								2478	B
45R-1, 6-7	583.36			2.02	2.75	50	34	1.0	2406	A
45R-1, 6-7	583.36								2375	B
45R-2, 7-8	584.87			1.93	35.95	54	40	1.2	2233	B
45R-2, 7-8	584.87								2186	A
46R-1, 73-75	593.63			2.30	2.72	35	18	0.5	2488	A
46R-1, 73-75	593.63								2452	B
46R-2, 10-12	594.50			2.37	2.75	32	16	0.5	2879	A
46R-2, 10-12	594.50								2852	B
46R-2, 58-70	594.98	1.936								
46R-3, 8-10	595.94			2.45	2.71	29	14	0.4	3055	A
46R-3, 8-10	595.94								3007	
46R-3, 78-87	596.68	1.850								
47R-1, 5-7	602.65			2.11	2.28	48	30	0.9	2183	B
47R-2, 5-7	604.15									
47R-2, 8-10	604.18			2.18	2.62	40	23	0.7		
47R-2, 8-10	604.18								2146	C
47R-2, 47-49	604.57			2.31	2.67	41	22	0.7		
47R-2, 47-49	604.57								2201	C
47R-2, 47-49	604.57								2295	A
47R-2, 47-49	604.57								2256	B
48R-1, 27-29	612.57			2.43	2.38	16	7	0.2		
48R-1, 27-29	612.57								4591	
48R-1, 45-47	612.75			2.12	2.45	36	21	0.6		
48R-1, 47-48	612.77								2415	
48R-1, 49-51	612.79			2.58	2.46	4	2	0.0		
49R-1, 3-5	621.93			2.06	2.56	50	33	1.0		
49R-1, 23-25	622.13			2.47	2.55	29	14	0.4		
50R-1, 2-4	631.62								2512	
50R-1, 7-9	631.67			2.45	2.45	5	2	0.1		
50R-1, 12-13	631.72								4639	
50R-1, 22-24	631.82			1.80	2.58	58	49	1.4		
51R-1, 105-107	642.35			1.86	2.48	56	44	1.3		
51R-1, 105-107	642.35								2104	A
51R-1, 105-107	642.35								2163	B
51R-2, 63-65	643.43			1.83	2.45	54	44	1.2		
51R-2, 63-65	643.43								2098	A
51R-3, 82-84	645.03			1.86	2.56	52	40	1.1		
51R-3, 82-84	645.03								2352	A
51R-3, 82-84	645.03								2337	B
52R-1, 74-76	651.64			1.82	2.39	51	40	1.0		
52R-1, 74-76	651.64								2215	A
52R-1, 74-76	651.64								2211	B
52R-1, 90-99	651.80	1.342								
52R-2, 87-94	653.27	1.123								
52R-2, 96-98	653.36			1.87	2.52	54	42	1.2		
52R-2, 96-98	653.36								2200	A
52R-2, 96-98	653.36								2173	B
53R-1, 8-10	660.68			1.70	2.56	69	70	2.2		
53R-1, 8-10	660.68								1951	A
53R-1, 8-10	660.68								1961	B
53R-1, 119-121	661.79			2.17	2.69	34	19	0.5		
53R-1, 119-121	661.79									
54R-1, 62-70	670.82	1.584							1969	A
54R-2, 26-28	671.96			2.15	2.64	38	22	0.6		
54R-2, 26-28	671.96								2049	C

Table 16 (continued).

Core section interval (cm)	Depth (mbsf)	TC (W/m · °K)	Su (kPa)	Bulk density (g/cm ³)	Grain density (g/cm ³)	Porosity (%)	Water content (%)	Void ratio	V _p (m/s)	V _p dir.
135-841B- (cont.)										
54R-2, 26-28	671.96								1996	B
54R-2, 26-28	671.96								1990	A
54R-2, 146-148	673.16			2.22	2.68	34	19	0.5		
54R-3, 2-13	673.22	1.724								
54R-3, 64-66	673.84								1896	B
54R-3, 64-66	673.84								1980	A
54R-4, 64-66	675.34			2.23	2.67	35	19	0.5		
55R-1, 4-5	679.84			2.67	2.71	11	5	0.1		
55R-1, 9-11	679.89								4117	A
55R-1, 9-11	679.89								4025	A
56R-1, 29-30	689.69			2.43	2.70	21	9	0.3		
56R-1, 29-30	689.69								3419	A
56R-1, 29-30	689.69								3614	
56R-1, 32-37	689.72								3558	
57R-1, 3-4	699.13			2.57	2.67	21	9	0.3		
57R-1, 3-4	699.13								4100	
57R-1, 3-4	699.13								4105	
57R-1, 3-4	699.13								4180	
57R-1, 10-11	699.20			2.91	2.68	15	6	0.2		
57R-1, 10-11	699.20								4500	
57R-1, 10-11	699.20								4342	
57R-1, 10-11	699.20								4427	
57R-1, 10-11	699.20								4554	
58R-1, 4-6	708.84			2.47	2.73	24	11	0.3		
58R-1, 4-6	708.84								3573	
58R-1, 4-6	708.84								3596	
59R-1, 2-3	718.12			2.69	2.62	13	5	0.2		
60R-1, 4-6	727.84			2.57	2.61	27	12	0.4		
60R-1, 4-6	727.84								3724	
60R-1, 4-6	727.84								3801	
62R-2, 46-48	749.16			2.21	2.68	34	19	0.5		
62R-2, 46-48	749.16								2440	
63R-1, 33-35	757.23			2.26	2.64	32	17	0.5		
63R-1, 33-35	757.23								2443	
63R-1, 33-35	757.23								2572	
63R-1, 106-108	757.96			2.26	2.70	33	18	0.5		
63R-1, 106-108	757.96								2313	
65R-1, 2-4	776.22								4806	
65R-1, 10-12	776.30			2.79	2.64	12	5	0.1		
66R-1, 8-10	785.98			2.51	2.72	23	11	0.3		
66R-1, 8-10	785.98								4480	
66R-1, 8-10	785.98								4472	
66R-1, 20-22	786.10								3626	
66R-1, 20-22	786.10								4025	

Notes: TC = thermal conductivity, Su = undrained vane shear strength, V_p = compressional (P-wave logger) velocity, and V_p dir. = velocity direction, where A is the vertical velocity along the core, B is the horizontal velocity parallel to the cut core face, and C is the horizontal velocity perpendicular to the core face.