APPENDIX II: CARBON AND CARBONATE ANALYSES, LEG 15

Gerald W. Bode, Scripps Institution of Oceanography, La Jolla, California

The amounts of acid soluble and acid insoluble carbon in Leg 15 sediment samples were determined using two methods of analyses: (a) the LECO 70 Second Analyzer, and (b) the LECO Acid-Base Semi Automatic Carbon Determinator. Detailed descriptions of the theory and the procedures can be found in Bader, Gerard et al. (1970) and Boyce and Bode (1972). The precision of the two methods as reported in Boyce and Bode (1972) is still valid and is discussed below for the benefit of the reader.

1) 20 Second Analyzer
   - Total Carbon
     - (1.2-12%): ±0.2% (absolute variation)
     - (0-1.2%): ±0.04% (absolute variation)
   - Organic Carbon: ± (absolute variation)
   - Calcium Carbonate
     - (10-100%): ±2% (absolute variation)
     - (0-10%): ±0.6 (absolute variation)
2) Acid-Base
   - Total Carbon
     - (1.2-12%): ±0.3% (absolute variation)
     - (0-1.2%): ±0.06% (absolute variation)
   - Organic Carbon: ±0.06% (absolute variation)
   - Calcium Carbonate
     - (10-100%): ±3% (absolute variation)
     - (0-10%): ±1% (absolute variation)

Samples analyzed using the Acid-Base method are noted with an asterisk in Table 1.

REFERENCES

Bader, R. G., Gerard, R. D. et al., 1970. Initial Reports of the Deep Sea Drilling Project, Volume IV. Washington (U. S. Government Printing Office), 745 p.

Boyce, R. E. and Bode, G. W., 1972. Carbon and carbonate analyses, Leg 9: Initial Reports of the Deep Sea Drilling Project, Volume IX. Washington (U. S. Government Printing Office), p. 797-816.

TABLE 1
Carbon-Carbonate Analyses, Leg 15

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
Site 146				
1-3, 33.00	99.33	0.3	0.2*	1
1-6, 113.00	104.63	0.1	0.1*	0
2-1, 20.00	254.20	6.7*	0.2*	55
2-2, 56.00	256.06	6.9*	0.1*	56
2-3, 72.00	257.72	7.1*	0.2*	58
2-5, 49.00	260.49	0.5*	0.0	4
2-6, 86.00	262.36	4.5*	0.0	37

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
5-2. 60.00	424.10	0.1	0.1*	0
6-1, 67.00	431.67	10.9*	0.1*	90
10-2, 89.00	469.39	0.0	0.1*	0
11-1, 90.00	476.90	0.0*	0.1*	0
11-2, 27.00	477.77	0.1*	0.1*	0
11-2, 50.00	478.00	4.8*	0.1	39
12-1, 106.00	486.06	3.5*	0.1	29
13-1, 78.00	494.78	6.1*	0.1	50
13-1, 140.00	495.40	4.1*	0.1	33
13-2, 105.00	496.55	4.0*	0.1	33
13-3, 83.00	497.83	5.7*	0.1	47
13-4, 114.00	499.64	4.1*	0.1	33
13-5, 118.00	501.18	3.2*	0.1	26
14-1, 131.00	504.31	2.4*	0.1	19
14-2, 49.00	504.99	3.0*	0.1	24
14-3, 82.00	506.82	6.3*	0.1	52
14-4, 81.00	508.31	7.4*	0.1	61
15-1, 135.00	513.35	5.8	0.0	48
15-2, 14.00	513.64	5.8*	0.1	48
15-3, 41.00	515.41	4.2*	0.1	35
15-4, 17.00	516.67	4.7*	0.0	38
15-5, 77.00	518.77	6.8*	0.0	56
15-5, 133.00	519.33	5.8*	0.0	48
15-6, 97.00	520.47	7.7*	0.0	64
16-1, 80.00	521.80	8.3*	0.1	68
16-2, 21.00	522.71	7.8*	0.0	65
16-3, 65.70	524.66	9.9*	0.0	82
16-4, 139.00	526.89	7.0*	0.1	58
16-5, 62.00	527.62	6.8*	0.0	56
16-6, 63.00	529.13	0.7*	0.1	5
17-1, 62.00	530.62	7.1*	0.0	59
17-2, 25.00	531.75	7.7*	0.1	63
17-3, 37.00	533.37	6.6*	0.1	54
17-4, 56.00	535.06	5.4*	0.0	45
17-5, 3.00	536.03	9.4*	0.0	78
17-6, 140.00	538.90	5.7*	0.1	47
18-1, 30.00	539.30	9.8*	0.1	81
18-2, 21.00	540.71	8.2*	0.0	68
18-2, 71.50	541.22	6.3*	0.0	52
18-3, 38.00	542.38	6.9*	0.0	57
18-4, 76.00	544.26	9.4*	0.0	78
18-5, 74.00	545.74	7.8*	0.1	64
18-6, 138.50	547.89	9.2*	0.0	77
19-1, 105.50	549.06	8.7*	0.0	72
19-2, 141.00	550.91	6.7*	0.0	55
19-2, 146.50	550.97	8.7*	0.0	72
19-3, 76.00	551.76	10.2*	0.0	84
19-4, 97.00	553.47	8.5*	0.0	70
19-7, 0.00	557.00	8.6*	0.2*	70
20-1, 2.00	557.02	10.7*	0.0	89
20-2, 84.00	559.34	9.0*	0.1	75
20-3, 74.00	560.74	7.7*	0.0	63

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
22-1, 117.00	576.17	11.0*	0.0	91
22-2, 89.00	577.39	10.0*	0.0	83
23-1, 140.00	585.40	9.1*	0.0	76
23-3, 87.00	587.87	8.1*	0.0	67
24-1, 11.00	593.11	9.2*	0.0	76
25-2, 93.00	604.43	7.1*	0.0	59
26-1, 90.00	611.90	9.7*	0.0	81
26-2, 120.00	613.70	8.2*	0.0	68
27-1, 97.00	620.97	9.0*	0.0	75
27-2, 142.00	622.92	8.5*	0.0	71
28-2, 23.00	630.73	3.5*	0.0	29
28-2, 25.00	630.75	4.9*	0.0	41
28-3, 96.00	632.96	6.6*	0.1	55
29-1, 126.00	639.26	7.3*	0.0	61
30-1, 97.00	647.97	5.2*	0.1	43
30-2, 51.00	649.01	6.6*	0.1	55
30-3, 0.00	650.00	9.0*	0.1	75
30-4, 138.00	652.88	6.0*	0.0	50
31-1, 145.00	657.45	10.1*	0.0	83
31-2, 128.00	658.78	10.1*	0.0	84
31-3, 124.00	660.24	9.7*	0.0	80
31-4, 130.00	661.80	6.5*	0.1	53
32-1, 124.00	666.24	8.9*	0.0	73
32-2, 119.00	667.69	7.1*	0.1	59
33-1, 112.00	675.12	6.9*	0.1	57
34-1, 104.50	684.05	7.6*	0.0	63
34-1, 105.00	684.05	4.1*	0.0	34
35-1, 134.00	693.34	9.5*	0.0	79
36-2, 83.00	703.33	10.2*	0.1	84
36-2, 87.00	703.37	8.2*	2.5*	48
36-2, 138.00	703.88	7.7*	6.3*	12
38-1, 106.00	715.06	14.5*	11.1*	28
38=1, 133.00	715.33	6.1	0.3	49
39-1, 71.00	719.71	4.1*	0.1	34
39-1, 92.00	719.92	0.2*	0.1*	1
39-2, 34.00	720.84	9.0*	0.2	74
41-1, 34.00	737.34	7.0*	0.0	58
41-2, 122.00	739.72	10.1	0.0	84
41-4, 46.00	741.96	5.3*	0.1	44
Site 146A				
1-6, 120.00	47.70	6.1*	0.1	50
1-7, 55.00	48.55	6.3*	0.1	52
3-1, 76.00	96.76	2.6*	0.2	20
3-2, 40.00	97.90	0.0	0.1	0
3-3, 44.00	99.44	0.0	0.1	0
Site 147				
2-1, 126.00	5.26	7.4	4.5	24
2-2, 54.00	6.04	6.4	3.4	25
2-3, 94.00	7.94	5.7	4.0	14
2-4, 11.00	8.61	0.6	0.3	2
2-4, 30.00	8.80	0.8	0.2	5
2-4, 131.00	9.81	3.3	1.6	15
3-1, 109.00	15.09	3.1	2.4	5
3-2, 90.00	16.40	2.4	1.2	10
3-3, 123.00	18.23	2.7	1.8	7

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
4-1, 119.00	24.19	2.3	1.4	7
4-2, 12.00	24.62	3.4	2.1	11
4-2, 70.00	25.20	2.3	1.6	5
4-2, 135.00	25.85	3.6	1.3	20
4-3, 102.00	27.02	3.4	1.4	17
4-4, 69.00	28.19	4.3	1.3	25
4-5, 24.00	29.24	4.0	2.4	14
4-5, 124.00	30.24	5.1	1.8	28
4-5, 149.00	30.49	3.8	1.7	18
4-6, 4.00	30.54	2.9	1.8	9
4-6, 43.00	30.93	2.1	0.5	13
4-6, 93.00	31.43	2.6	1.6	8
4-6, 104.00	31.54	1.6	0.6	8
4-6, 115.00	31.65	3.1	1.6	13
4-6, 144.00	31.94	3.7	1.9	15
5-1, 148.00	33.48	3.2	2.1	9
5-2, 23.00	33.73	2.0	1.6	3
5-2, 73.00	34.23	3.3	2.0	10
5-2, 102.00	34.52	4.0	2.2	15
5-2, 131.00	34.81	2.0	1.2	7
6-1, 6.00	42.06	2.8	1.5	11
6-3, 19.00	45.19	2.5	1.7	7
6-3, 119.00	46.19	5.2	2.2	24
6-4, 14.00	46.64	5.2	2.6	21
6-4, 109.00	47.59	4.7	2.7	17
6-5, 9.00	48.09	3.5	1.5	17
6-5, 144.00	49.44	2.0	0.6	12
6-6, 67.00	50.17	3.7	0.6	26
6-6, 96.00	50.46	3.9	1.4	21
6-6, 133.00	50.83	3.3	0.5	23
7-1, 56.00	51.56	5.3	2.5	23
7-2, 7.00	52.57	3.5	1.5	16
7-2, 24.00	52.74	4.4	2.4	17
7-2, 39.00	52.89	5.6	2.2	28
7-2, 135.00	53.85	3.2	0.9	19
8-2, 29.00	61.79	3.0	1.5	12
8-2, 136.00	62.86	3.6	1.6	16
8-3, 19.00	63.19	2.0	0.6	11
8-3, 132.00	64.32	3.9	2.0	16
8-4, 135.00	65.85	3.8	2.2	13
8-5, 84.00	66.84	2.3	0.6	14
8-5, 140.00	67.40	4.8	1.6	27
8-6, 98.00	68.48	5.8	2.4	28
8-7, 99.00	69.99	5.4	2.2	27
8-7, 0.00	69.00	2.6	0.9	14
9-2, 27.00	70.77	2.6	0.8	15
9-2, 129.00	71.79	6.3	2.8	30
9-3, 29.00	72.29	6.9	3.3	30
9-4, 79.00	74.29	5.7	1.4	36
9-4, 139.00	74.89	5.9	1.3	38
9-5, 109.00	76.09	4.4	1.9	21
9-6, 39.00	76.89	4.2	1.6	21
9-6, 139.00	77.89	4.9	1.1	31
10-1, 8.00	78.08	4.7	1.7	25
10-2, 130.00	80.80	2.7	0.8	15
10-3, 123.00	82.23	5.0	1.9	26
10-4, 44.00	82.94	5.2	2.5	22
10-4, 94.00	83.44	4.8	1.3	29
10-5, 0.00	84.00	6.6	1.8	40
10-5, 32.00	84.32	8.2	0.5	64
10-5, 52.00	84.52	4.1	0.5	30
11-1, 30.00	88.30	5.3	0.6	39
11-1, 141.00	89.41	5.2	0.9	36
11-2, 12.00	89.62	5.1	1.0	34

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
11-3, 81.00	91.81	5.9	1.9	33
11-4, 67.00	93.17	6.6	1.9	39
11-5, 30.00	94.30	6.5	2.0	37
11-6, 37.00	95.87	6.5	2.3	35
11-7, 46.00	97.46	6.6	1.6	41
12-1, 66.00	97.66	6.6	1.8	40
12-2, 19.00	98.69	6.2	1.7	37
12-3, 107.00	101.07	5.7	1.3	36
12-4, 50.00	102.00	2.2	0.6	13
12-4, 73.00	102.23	1.1	0.2	7
12-4, 145.00	102.95	1.3	0.2	10
12-5, 16.00	103.16	7.4	0.9	54
12-5, 43.00	103.43	4.0	1.9	18
12-5, 99.00	103.99	3.0	0.4	21
12-5, 143.00	104.43	3.7	0.6	25
12-6, 37.00	104.87	2.7	0.5	19
13-1, 5.00	106.05	4.1	1.0	26
13-1, 50.00	106.50	3.6	1.3	18
13-2, 60.00	108.10	4.3	1.5	23
13-3, 28.00	109.28	6.1	1.7	37
13-3, 124.00	110.24	3.9	1.5	20
13-4, 38.00	110.88	4.1	1.5	22
13-5, 92.00	112.92	4.6	1.7	24
13-6, 71.00	114.21	4.5	1.8	23
14-2, 29.00	116.79	3.6	1.2	20
14-3, 92.00	118.92	5.7	2.5	27
14-3, 119.00	119.19	1.7	0.8	7
14-3, 134.00	119.34	4.7	1.8	24
14-4, 14.00	119.64	4.1	1.3	23
14-5, 75.00	121.75	5.5	1.7	32
15-1, 22.00	124.22	5.4	1.2	34
15-2, 50.00	126.00	2.5	1.0	12
15-3, 28.00	127.28	3.6	1.2	20
15-4, 99.00	129.49	3.4	1.1	19
15-5, 29.00	130.29	3.5	1.2	19
15-6, 7.00	131.57	4.0	1.5	20
16-1, 134.00	135.34	3.8	2.0	15
16-2, 125.00	136.75	4.1	1.9	18
16-3, 89.00	137.89	5.7	2.7	24
16-4, 71.00	139.21	3.6	2.0	13
17-1, 5.00	144.05	6.2	3.0	27
17-1, 107.00	145.07	6.6	2.9	31
17-2, 50.00	146.00	6.5	3.1	29
17-3, 45.00	147.45	6.2	3.2	25
17-4, 21.00	148.71	6.0	2.9	26
17-5, 143.00	151.43	5.6	2.6	25
17-6, 14.00	151.64	6.5	3.1	28
18-1, 48.00	153.48	5.2	2.9	20
18-2, 42.00	154.92	5.5	3.2	19
18-3, 51.00	156.51	3.9	1.6	19
18-4, 74.00	158.24	3.7	2.0	14
18-5, 42.00	159.42	3.9	1.8	17
18-6, 43.00	160.93	4.2	2.6	13
18-6, 91.00	161.41	3.3	1.7	13
18-6, 143.00	161.93	5.1	2.5	22
Site 147C				
7-2, 137.00	172.87	3.8	2.3	12
7-3, 48.00	173.48	4.3	2.4	16
7-5, 74.00	176.74	3.8	2.3	13
7-6, 144.00	178.94	4.2	2.1	17

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
Site 148				
1-2, 40.00	1.90	4.3	0.4	33
1-2, 46.00	1.96	5.9	0.1	48
1-3, 69.00	3.69	3.3	0.4	24
1-5, 14.00	6.14	2.2	0.3	16
2-1, 109.00	10.09	4.6	0.1	37
2-2, 24.00	10.74	4.2	0.4	32
2-2, 91.00	11.41	6.2	0.1	50
2-3, 39.00	12.39	2.9	0.4	20
2-5, 43.00	15.43	3.2	0.5	23
3-1, 135.00	19.35	2.9	0.4	21
3-2, 17.00	19.67	1.9	0.5	12
3-2, 137.00	20.87	3.2	0.4	24
3-3, 25.00	21.25	1.3	0.3	9
3-4, 45.00	22.95	1.6	0.3	10
4-1, 135.00	28.35	2.6	0.3	19
4-2, 44.00	28.94	2.8	0.4	20
4-3, 4.00	30.04	2.3	0.4	16
4-4, 126.00	32.76	1.5	0.4	10
4-5, 26.00	33.26	2.9	0.3	21
4-5, 116.00	34.16	3.0	0.4	22
5-1, 80.00	36.80	2.8	0.4	20
5-2, 80.00	38.30	5.2	0.2	42
5-3, 30.00	39.30	4.9	0.3	38
5-3, 129.00	40.29	1.4	0.4	8
6-1, 89.00	45.89	2.4	0.4	16
6-2, 69.00	47.19	1.5	0.2	11
6-3, 20.00	48.20	3.5	0.4	26
6-5, 36.00	51.36	3.6	0.4	27
6-6, 10.00	52.60	2.3	0.3	17
7-1, 117.00	56.17	2.6	0.3	19
7-1, 142.00	56.42	2.1	0.3	14
7-2, 74.00	57.24	1.5	0.4	9
7-3, 74.00	58.74	1.2	0.4	6
7-4, 32.00	59.82	1.5	0.4	9
7-4, 125.00	60.75	2.4	0.3	18
8-1, 42.00	64.42	1.5	0.4	9
8-2, 67.00	66.17	1.3	0.4	7
8-2, 82.00	66.32	2.7	0.5	19
8-3, 77.00	67.77	1.1	0.4	6
8-3, 143.00	68.43	1.2	0.5	6
8-4, 21.00	68.71	3.3	0.5	23
8-4, 59.00	69.09	1.2	0.5	5
9-1, 110.00	74.10	1.1	0.5	5
9-2, 13.00	74.63	2.7	0.4	19
9-3, 27.00	76.27	2.4	0.6	15
9-4, 20.00	77.70	1.6	0.6	8
9-5, 14.00	79.14	2.7	0.5	19
10-1, 23.00	82.23	1.6	0.4	10
10-1, 40.00	82.40	1.4	0.5	7
10-2, 45.00	83.95	1.2	0.7	4
10-2, 124.00	84.74	2.9	1.3	14
10-3, 65.00	85.65	1.3	0.4	7
10-4, 107.00	87.57	0.9	0.3	5
11-1, 141.00	92.41	1.6	0.5	9
11-1, 43.00	91.43	1.6	0.9	6
11-2, 51.00	93.01	1.2	0.5	5
11-3, 88.00	94.88	1.4	0.0	11
11-4, 37.00	95.87	1.4	0.5	7
11-5, 114.00	98.14	1.6	0.0	13
11-6, 68.00	99.18	2.5	0.7	15

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
12-1, 68.00	100.68	3.5	0.6	24
12-1, 140.00	101.40	3.1	0.6	21
12-2, 143.00	102.93	2.4	0.7	14
12-3, 72.00	103.72	2.1	0.7	12
12-5, 30.00	106.30	1.4	0.6	7
12-6, 49.00	107.99	1.8	0.6	9
13-1, 143.00	110.43	1.3	0.6	6
13-2, 145.00	111.95	2.2	0.7	13
13-3, 120.00	113.20	1.7	0.7	8
13-4, 120.00	114.70	1.4	0.6	6
13-5, 106.00	116.06	1.6	0.6	8
13-6, 44.00	116.94	2.9	0.7	19
13-6, 138.00	117.88	2.4	0.5	16
14-1, 120.00	119.20	1.9	0.7	10
14-2, 20.00	119.70	1.7	0.6	9
14-3, 74.00	121.74	1.3	0.6	5
14-4, 116.00	123.66	2.0	0.6	11
15-1, 142.00	128.42	3.3	0.6	23
15-2, 110.00	129.60	1.2	0.5	6
15-3, 74.00	130.74	1.8	0.6	9
15-4, 135.00	132.85	2.0	0.6	12
15-5, 110.00	134.10	2.0	0.6	11
15-5, 135.00	134.35	1.2	0.6	5
15-6, 80.00	135.30	2.3	0.5	15
16-1, 140.00	138.40	2.8	0.5	19
16-2, 100.00	139.50	1.8	0.4	11
16-3, 18.00	140.18	2.7	0.5	18
16-4, 33.00	141.83	2.2	0.5	15
16-4, 132.00	142.82	1.2	0.4	7
17-1, 75.00	146.75	0.9	0.4	4
17-2, 109.00	148.59	1.9	0.7	10
17-3, 79.00	149.79	2.3	0.4	15
17-4, 97.00	151.47	1.2	0.4	7
17-5, 57.00	152.57	6.2	2.4	31
17-5, 92.00	152.92	1.9	0.3	13
17-6, 90.00	154.40	1.7	0.5	10
18-1, 75.00	156.75	1.4	0.4	8
18-2, 14.00	157.64	1.5	0.4	9
19-1, 58.00	165.58	1.2	0.4	6
19-2, 98.00	167.48	2.1	0.5	14
19-2, 100.00	167.50	1.9	0.5	12
20-1, 74.00	175.74	2.0	0.0	17
20-2, 8.00	176.58	2.0	0.5	13
20-3, 74.00	178.74	2.3	0.6	15
20-4, 41.00	179.91	1.2	0.5	6
20-5, 135.00	182.35	1.7	0.5	11
20-6, 102.00	183.52	1.6	0.4	11
21-1, 135.00	185.35	1.5	0.4	9
21-2, 74.00	186.24	2.0	0.6	12
21-3, 84.00	187.84	1.8	0.5	11
22-1, 59.00	193.59	1.6	0.6	8
22-2, 74.00	195.24	2.3	0.5	15
22-3, 20.00	196.20	2.7	0.6	17
23-1, 14.00	203.14	2.2	0.5	15
23-1, 89.00	203.89	2.2	0.5	14
23-2, 107.00	205.57	1.9	0.6	11
23-3, 36.00	206.36	1.6	0.4	10
23-4, 30.00	207.80	2.5	0.5	16
23-5, 15.00	209.15	1.8	0.5	11
23-6, 136.00	211.86	2.4	0.7	14
24-1, 119.00	213.19	1.9	0.5	11
24-2, 109.00	214.59	2.2	0.4	15

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
24-3, 65.00	215.65	2.1	0.6	13
24-4, 73.00	217.23	2.4	0.5	16
24-5, 15.00	218.15	2.8	0.5	19
24-6, 19.00	219.69	2.9	0.6	19
25-1, 112.00	222.12	2.9	0.5	20
25-2, 46.00	222.96	3.1	0.4	22
26-1, 148.00	231.48	1.7	0.4	11
26-2, 74.00	232.24	2.7	0.4	19
27-1, 132.00	241.32	3.7	0.3	28
27-1, 143.00	241.43	3.6	0.4	27
27-2, 40.00	241.90	4.1	0.4	31
27-3, 14.00	243.14	3.1	0.4	23
27-4, 14.00	244.64	3.0	0.4	22
27-5, 75.00	246.75	4.4	0.4	34
27-6, 14.00	247.64	3.8	0.4	28
31-1, 126.00	268.26	0.9	0.6	3
31-2, 110.00	269.60	1.0	0.6	3
Site 149				
2-1, 62.00	1.62	6.9	0.1	57
2-3, 14.00	4.14	7.7	0.1	63
2-3, 51.00	4.51	3.0	0.1	24
2-3, 68.00	4.68	6.5	0.1	53
2-3, 134.00	5.34	7.1	0.2	58
2-4, 15.00	5.65	6.9	0.1	56
2-4, 107.00	6.57	6.5	0.1	53
2-5, 59.00	7.59	7.7	0.1	64
2-6, 14.00	8.64	8.8	0.1	72
2-6, 112.00	9.62	7.9	0.1	65
3-1, 112.00	11.12	7.9	0.1	65
3-2, 20.00	11.70	6.1	0.1	50
3-3, 91.00	13.91	6.2	0.1	51
3-4, 103.00	15.53	8.3	0.1	69
3-5, 15.00	16.15	6.0	0.5	46
3-6, 14.00	17.64	6.5	0.1	53
3-6, 94.00	18.44	5.1	0.1	42
3-6, 103.00	18.53	6.7	0.1	55
4-1, 65.00	19.65	6.4	0.1	52
4-2, 42.00	20.92	6.9	0.3	54
4-2, 110.00	21.60	7.1	0.1	58
4-3, 11.00	22.11	4.2	0.1	35
4-4, 3.00	23.53	4.6	0.1	37
4-4, 75.00	24.25	7.3	0.1	60
4-5, 44.00	25.44	4.3	0.1	35
4-5, 138.00	26.38	5.3	0.3	41
5-1, 82.00	28.82	5.5	0.1	45
5-1, 130.00	29.30	6.6	0.1	54
5-2, 27.00	29.77	4.1	0.1	33
5-2, 133.00	30.83	5.3	0.1	43
5-3, 31.00	31.31	4.7	0.2	38
5-3, 103.00	32.03	4.5	0.2	36
5-4, 75.00	33.25	7 5	0.1	62
5-4, 109.00	33.59	0.4	0.2	2
5-5, 75.00	34.75	4.9	0.2	39
6-1, 26.00	37.26	6.4	0.1	52
6-2, 7.00	38.57	4.5	0.1	37
6-2, 74.00	39.24	6.0	0.1	49
6-2, 107.50	39.58	5.3	0.2	43
6-3, 12.00	40.12	4.9	0.2	40
6-4, 32.00	41.82	5.3	0.2	43
6-4, 85.00	42.35	4.5	0.1	36
6-5, 26.00	43.26	4.8	0.1	39

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
6-6, 25.00	44.75	4.4	0.2	35
6-6, 83.00	45.33	6.1	0.2	49
7-1, 31.00	46.31	5.6	0.2	45
7-2, 5.00	47.55	5.4	0.0	44
7-4, 8.00	50.58	5.6	0.2	45
7-5, 7.00	52.07	5.0	0.1	40
7-6, 116.00	54.66	5.4	0.2	44
8-1, 53.00	56.53	5.2	0.2	42
8-1, 120.00	57.20	5.2	0.1	42
8-2, 77.00	58.27	3.0	0.2	24
8-2, 97.00	58.47	5.5	0.1	45
8-3, 17.00	59.17	6.2	0.1	51
8-3, 116.00	60.16	4.3	0.1	35
8-4, 28.00	60.78	4.0	0.1	33
8-5, 42.00	62.42	5.9	0.1	48
8-6, 8.00	63.58	4.4	0.1	36
8-6, 147.00	64.97	4.3	0.1	34
9-1, 44.00	65.44	2.8	0.3	21
9-2, 9.00	66.59	4.6	0.2	23
9-2, 109.00	67.59	4.6	0.2	36
9-3, 80.00	68.80	4.4	0.2	35
9-4, 15.00	69.65	4.9	0.3	38
9-5, 20.00	71.20	5.9	0.2	48
9-5, 72.00	71.72	4.8	0.1	39
9-5, 116.00	72.16	1.7	0.2	12
9-6, 4.00	72.54	3.4	0.2	26
9-6, 25.00	72.75	0.5	0.2	2
9-6, 34.00	72.84	4.5	0.2	37
9-6, 59.00	73.09	0.3	0.2	0
9-6, 137.00	73.87	0.4	0.2	1
10-1, 103.00	76.03	0.2	0.2	0
10-2, 19.00	76.69	0.2	0.2	0
10-3, 4.00	78.04	0.3	0.2	1
10-4, 69.00	80.19	4.3	0.2	34
10-4, 128.00	80.78	0.3	0.2	1
10-5, 38.00	81.38	0.2	0.2	0
10-5, 100.00	82.00	3.3	0.2	25
11-1, 43.00	84.43	0.4	0.2	2
11-2, 8.00	85.58	0.4	0.2	1
11-2, 100.00	86.50	0.5	0.2	2
11-3, 112.00	88.12	0.2	0.2	0
11-3, 122.00	88.22	0.2	0.2	0
11-4, 7.00	88.57	0.0	0.0	0
11-4, 73.00	89.23	1.7	0.2	13
11-5, 14.00	90.14	1.2	0.2	8
11-5, 83.00	90.83	0.1	0.2	0
11-6, 44.00	91.94	1.6	0.2	12
11-6, 139.00	92.89	0.0	0.2	0
12-1, 30.00	93.30	1.3	0.2	10
12-2, 76.00	95.26	3.9	0.2	30
12-2, 121.00	95.71	2.3	0.2	18
12-3, 25.00	96.25	2.6	0.2	20
12-3, 89.00	96.89	6.4	0.1	52
12-4, 33.00	97.83	2.4	0.2	19
12-4, 80.00	98.30	6.7	0.1	55
12-5, 3.00	99.03	6.4	0.1	52
12-6, 14.00	100.64	4.7	0.1	38
12-6, 84.00	101.34	4.5	0.1	37
12-6, 128.00	101.78	5.4	0.1	44
13-1, 30.00	102.30	0.1	0.1	0
13-1, 74.00	102.74	0.3	0.1	1
13-1, 122.00	103.22	0.2	0.1	0
13-2, 5.00	103.55	0.5	0.1	3

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
13-2, 56.00	104.06	6.7	0.1	55
13-2, 89.00	104.39	1.2	0.1	9
13-2, 129.00	104.79	3.0	0.1	24
13-3, 4.00	105.04	3.6	0.1	29
13-3, 62.00	105.62	4.5	0.1	37
13-3, 137.00	106.37	5.6	0.1	46
13-4, 139.00	107.89	4.1	0.1	33
13-5, 135.00	109.35	6.8	0.1	56
13-6, 52.00	110.02	5.3	0.1	44
13-6, 55.00	110.05	0.4	0.0	3
14-2, 131.00	114.81	0.4	0.1	3
14-3, 90.00	115.90	4.5	0.0	37
14-4, 6.00	116.56	0.0	0.1	0
14-4, 91.00	117.41	0.0	0.1	0
14-4, 120.00	117.70	0.1	0.0	0
14-4, 142.00	117.92	0.1	0.1	0
15-1, 39.00	121.39	0.1	0.1	0
15-1, 112.00	122.12	0.0	0.0	0
15-2, 22.00	122.72	0.0	0.1	0
15-2, 111.00	123.61	0.2	0.0	1
15-2, 123.00	123.73	3.9	0.0	32
15-3, 22.00	124.22	6.8	0.0	56
15-3, 37.00	124.37	1.4	0.1	11
15-4, 139.00	126.89	2.6	0.1	21
15-4, 146.00	126.96	5.7	0.1	47
15-5, 26.00	127.26	0.6	0.1	4
15-5, 101.00	128.01	1.8	0.1	14
16-1, 55.00	130.55	2.1	0.1	17
16-1, 79.00	130.79	0.2	0.1	1
16-1, 100.00	131.00	5.2	0.1	43
16-1, 130.00	131.30	3.7	0.1	30
16-2, 14.00	131.64	0.0	0.1	0
16-2, 38.00	150.88	8.9*	0.2*	31
16-3, 29.00	133.29	4.6	0.0	38
16-3, 86.00	133.86	0.4	0.1	3
16-4, 116.00	135.66	7.9	0.0	65
16-4, 134.00	135.84	4.4	0.0	36
16-5, 23.00	136.23	1.5	0.1	12
16-5, 33.00	136.33	5.0	0.0	41
16-5, 46.00	136.46	7.1	0.0	59
16-5, 62.00	136.62	3.3	0.0	28
17-3, 63.00	142.63	6.5	0.0	54
17-4, 13.00	143.63	7.7	0.1	63
17-4, 49.00	143.99	5.3	0.0	44
17-5, 31.00	145.31	7.0	0.0	58
17-5, 67.00	145.67	5.8	0.0	48
17-5, 90.00	145.90	8.8	0.1	72
18-1, 57.00	149.57	8.3	0.0	69
18-2, 15.00	150.65	8.9	0.0	74
18-2, 32.00	150.82	5.8	0.0	48
18-3, 10.00	152.10	9.6*	0.1*	79
18-3, 56.00	152.56	7.8*	0.1*	64
18-4, 15.00	153.65	7.6*	0.1*	62
18-4, 144.00	154.94	5.6*	0.1*	45
18-5, 35.00	155.35	8.7*	0.1*	72
18-5, 71.00	155.71	6.8*	0.1*	55
19-1, 138.00	159.38	8.7*	0.1*	71
19-1, 144.00	159.44	4.9*	0.2*	39
19-2, 48.00	159.98	4.3*	0.2*	34
19-2, 86.00	160.36	8.8*	0.1*	72
19-2, 107.00	160.57	7.7*	0.1*	63
19-3, 38.00	161.38	7.5*	0.1*	62
19-3, 79.00	161.79	3.2*	0.2*	25
19-3, 120.00	162.20	4.0*	0.2*	32

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
20-1, 132.00	168.32	5.6*	0.2*	45
20-2, 24.00	168.74	6.4*	0.1*	52
20-2, 85.00	169.35	9.0*	0.2*	74
20-2, 118.00	169.68	7.8*	0.1*	64
20-3, 21.00	170.21	8.6*	0.1*	71
20-3, 138.00	171.38	5.6*	0.1	46
20-4, 12.00	171.62	3.3*	0.2*	25
20-4, 76.00	172.26	8.9*	0.0*	74
20-5, 36.00	173.36	6.6*	0.1*	54
20-5, 124.00	174.24	8.2*	0.1*	68
21-1, 96.00	176.96	7.7*	0.1*	63
21-4, 82.00	181.32	4.9*	0.1*	40
21-5, 6.00	182.06	7.0*	0.1*	57
21-5, 78.00	182.78	4.1*	0.1*	33
22-6, 120.00	193.70	6.7*	0.1*	55
23-2, 145.00	197.95	8.7*	0.1*	72
23-3, 12.00	198.12	9.5*	0.1*	78
23-3, 57.00	198.57	9.4*	0.2*	77
23-4, 48.00	199.98	7.8*	0.1	64
23-4, 135.00	200.85	9.2*	0.1*	76
23-5, 75.00	201.75	9.5*	0.1*	79
23-5, 135.00	202.35	6.7*	0.2*	54
24-1, 101.00	205.01	5.7*	0.2*	46
25-1, 77.00	213.77	7.7*	0.1*	63
25-2, 106.00	215.56	7.4*	0.2*	60
25-3, 14.00	216.14	8.4*	0.2*	69
25-3, 135.00	217.35	7.6*	0.1*	63
26-1, 128.00	224.28	7.3*	0.1*	60
26-1, 132.00	224.32	7.7*	0.1*	63
26-2, 66.00	225.16	6.5*	0.1*	54
26-3, 15.00	226.15	7.4*	0.1*	61
27-1, 119.00	233.19	6.6*	0.1*	55
27-2, 75.00	234.25	4.9*	0.1*	40
27-3, 16.00	235.16	3.7*	0.1*	30
27-3, 47.00	235.47	4.6*	0.1*	37
28-1, 103.00	242.03	6.0*	0.1*	50
28-2, 73.00	243.23	6.2*	0.1*	51
28-2, 135.00	243.85	3.3*	0.1*	27
28-3, 76.00	244.76	3.7*	0.1*	30
28-4, 14.00	245.64	4.9*	0.1*	40
28-4, 144.00	246.94	6.5*	0.1*	53
29-1, 127.00	252.27	7.9*	0.1*	65
29-2, 75.00	253.25	8.7*	0.1*	72
29-3, 106.00	255.06	7.1*	0.1*	58
30-2, 4.00	261.54	8.3*	0.2*	68
31-1, 75.00	270.75	1.9*	0.1*	15
31-2, 75.00	272.25	0.6*	0.1*	4
32-2, 19.00	280.69	1.4*	0.1*	11
32-3, 32.00	282.32	1.9*	0.1*	16
32-4, 58.00	284.08	4.3*	0.1*	36
33-1, 92.00	288.92	4.1*	0.1*	33
33-2, 133.00	290.83	5.3*	0.1*	43
34-2, 40.00	299.90	7.1*	0.1*	58
34-3, 55.0	301.55	7.2*	0.1*	59
35-1, 16.00	307.16	4.8*	0.1*	39
35-1, 128.00	308.28	1.3*	0.2*	10
35-2, 33.00	308.83	1.7*	0.1*	13
35-2, 120.00	309.70	1.6*	0.1*	12
35-3, 50.00	310.50	3.9*	0.1*	32

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
35-4, 37.00	311.87	5.2*	0.2*	42
35-5, 32.00	313.32	2.4*	0.1*	19
35-5, 99.00	313.99	4.7*	0.1*	38
35-6, 63.00	315.13	1.6*	0.1*	13
35-6, 138.00	315.88	5.6*	0.1*	46
36-1, 103.00	317.03	4.5*	0.1*	37
39-1, 130.00	345.30	0.1*	0.1*	0
37-1, 95.00	325.95	7.3*	0.1*	60
37-2, 41.00	326.91	6.5*	0.1*	54
37-3, 27.00	328.27	5.3*	0.1*	43
37-4, 25.00	329.75	4.6*	0.1*	38
37-4, 109.00	330.59	3.1*	0.1*	25
38-1, 139.00	335.39	2.4*	0.1*	19
38-2, 53.00	336.03	4.1*	0.1*	34
38-2, 81.00	336.31	0.7*	0.1*	5
38-3, 35.00	337.35	4.9*	0.1*	40
38-3, 119.00	338.19	0.2*	0.0*	2
39-1, 107.00	345.07	5.5*	0.1*	45
40-1, 35.00	353.35	4.9*	0.1*	40
40-2, 27.00	354.77	4.9*	0.1*	40
41-1, 75.00	362.75	4.6*	0.1*	38
41-2, 18.00	363.68	3.6*	0.1*	29
41-2, 86.00	364.36	5.8*	0.1*	48
41-3, 16.00	365.16	4.4*	0.1*	36
41-4, 38.00	366.88	3.8*	0.0	31
41-4, 125.00	367.75	3.4*	0.1*	28
41-5, 33.00	368.33	3.6*	0.1*	29
41-6, 14.00	369.64	6.4*	0.1*	52
42-1, 141.00	372.41	5.5*	0.1*	45
42-2, 71.00	373.21	5.0*	0.1*	41
42-3, 15.00	374.15	5.9*	0.1*	48
42-3, 147.00	375.47	3.5*	0.1*	28
42-4, 87.00	376.37	7.6*	0.1*	62
42-4, 125.00	376.75	5.1*	0.1*	42
43-1, 50.00	381.50	3.4	0.1*	28
Site 150				
1-1, 55.00	49.55	2.8*	0.4*	20
1-1, 84.00	49.84	4.8*	0.3*	38
1-2, 135.00	51.85	0.5	0.4*	1
1-3, 87.00	52.87	1.6*	0.3*	10
1-4, 14.00	53.64	1.5*	0.4*	9
2-1, 99.00	77.99	0.1	0.3*	0
2-2, 121.00	79.71	0.1	0.3*	0
2-3, 75.00	80.75	0.1	0.2*	0
3-1, 146.00	87.46	0.3*	0.0	2
3-2, 32.00	87.82	0.1	0.2*	0
3-3, 26.00	89.26	0.1	0.2*	0
3-5, 83.00	92.83	0.5*	0.1*	3
4-1, 95.00	95.95	2.5	0.2*	19
4-1, 102.00	96.02	5.9*	0.1*	48
4-2, 111.00	97.61	7.3	0.1*	60
4-3, 3.00	98.03	5.0	0.1*	40
4-3, 50.00	98.50	0.0	0.2*	0
5-3, 130.00	109.30	0.0	0.2*	0
9-1, 48.00	150.48	2.7*	0.1*	22
9-1, 61.00	150.61	10.1*	3.1*	59
9-1, 116.00	151.16	0.2*	0.1*	1

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
10-1, 25.00	159.25	7.8*	0.1	64
10-1, 33	159.33	9.5	0.1	79
10-2, 26.00	160.76	9.6*	0.1*	79
10-2, 54.00	161.04	9.7*	0.1*	81
Site 151				
1-1, 74.00	61.74	8.5*	0.1*	70
1-2, 50.00	63.00	7.8*	0.1*	64
1-3, 80.00	64.80	7.4*	0.1*	60
1-4, 48.00	65.98	6.4*	0.2*	52
1-5, 24.00	67.24	6.5*	0.1*	53
1-6, 95.00	69.45	7.8*	0.2*	64
2-1, 99.00	117.99	6.5*	0.2*	53
2-1, 120.00	118.20	6.5*	0.1*	53
2-2, 59.00	119.09	6.2*	0.2*	51
2-3, 59.00	120.59	7.0*	0.2*	57
3-1, 22.00	181.22	3.0*	0.3*	23
3-1, 51.00	181.51	8.4*	0.1*	69
3-2, 41.00	182.91	8.4*	0.1*	69
3-2, 54.00	183.04	5.2*	0.2*	42
3-3, 123.00	185.23	9.4*	0.1*	77
3-4, 13.00	185.63	6.7*	0.2*	54
3-4, 91.00	186.41	8.4*	0.0*	70
3-5, 140.00	188.40	9.5*	0.1*	78
3-6, 35.00	188.85	9.2*	0.3*	75
4-1, 56.00	237.56	10.5*	0.0*	87
4-2, 61.00	239.11	10.2*	0.1*	85
5-1, 90.00	302.90	10.5*	0.1*	87
5-2, 142.00	304.92	10.6*	0.0*	88
6-1, 132.00	312.32	10.6*	0.0	88
6-2, 86.00	313.36	10.7*	0.1	88
6-3, 24.00	314.24	10.5*	0.1	87
7-1, 135.00	321.35	10.6*	0.1	87
7-2, 113.00	322.63	10.8*	0.0	89
8-1, 135.00	330.35	11.0*	0.0	91
9-1, 111.00	340.11	11.3*	0.0	93
9-2, 132.00	341.82	10.4*	0.0	87
10-1, 88.00	348.88	10.9*	0.0	91
10-2, 24.00	349.74	10.9*	0.0	90
12-1, 26.00	367.26	12.3*	4.2	67
12-6, 72.00	375.22	10.7*	2.7	67
Site 152				
1-1, 148.00	154.48	9.3*	0.1	77
1-2, 129.00	155.79	9.3*	0.1	77
2-1, 141.00	163.41	2.1	0.0	17
2-2, 94.00	164.44	8.3	0.0	69
2-3, 82.00	165.82	10.3	0.0	86
2-4, 19.00	166.69	9.8	0.0	81
2-4, 74.00	167.24	9.6	0.0	80
2-5, 69.00	168.69	10.0	0.0	83
3-2, 101.00	174.51	9.9	0.0	83
3-2, 132.00	174.82	10.2	0.0	85
3-3, 116.00	176.16	10.3	0.0	85
3-3, 129.00	176.29	10.3	0.0	85
3-4, 80.00	177.30	9.0	0.0	75
3-5, 46.00	178.46	9.3	0.0	77
3-5, 92.00	178.92	7.9	0.0	65

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
4-2, 86.00	184.36	10.2	0.0	85
4-3, 96.00	185.96	8.4	0.0	69
6-1, 63.00	201.63	8.1	0.1	67
6-2, 28.00	202.78	7.6	0.1	63
6-5, 103.00	208.03	7.8	0.1	64
7-2, 10.00	212.60	11.2	0.0	93
7-3, 66.00	214.66	7.8	0.1	64
7-4, 48.00	215.98	6.5	0.1	53
7-4, 78.00	216.28	8.3	0.1	69
7-4, 115.00	216.65	8.7	0.0	72
8-1, 19.00	220.19	3.2	0.0	27
8-1, 57.00	220.57	8.8	0.0	74
9-1, 93.00	229.93	7.9	0.0	66
14-1, 107.00	277.07	10.4	0.0	86
15-2, 4.00	287.54	10.0	0.0	83
16-1, 50.00	342.50	9.9	0.1	82
16-3, 141.00	346.41	10.3	0.0	86
16-7, 0.00	351.00	11.1	0.0	92
17-1, 60.00	398.60	11.0	0.0	92
17-2, 7.00	399.57	10.9	0.0	90
18-1, 72.00	407.72	11.1	0.0	92
18-2, 63.00	409.13	11.0	0.0	91
19-1, 103.00	417.03	10.9	0.0	90
21-1, 84.00	453.84	11.1	0.0	92
22-1, 0.00	462.00	9.4	0.0	78
22-2, 97.00	464.47	6.6	0.0	55
22-3, 43.00	465.43	7.8	0.2	64
23-1, 37.00	471.37	8.0	0.0	67
23-7, 0.00	480.00	10.7	0.0	88
Site 153				
1-1, 110.00	103.10	2.8	0.3	21
1-2, 100.00	104.50	2.5	0.3	18
1-3, 135.00	106.35	1.8	0.4	11
2-1, 90.00	198.90	0.6	0.4	2
3-1, 83.00	207.83	0.5	0.3	2
3-2, 50.00	209.00	0.4	0.2	2
4-1, 89.00	300.89	5.9	0.1	48
4-1, 108.00	301.08	0.5	0.4	1
4-2, 20.00	301.70	0.6	0.3	2
4-2, 46.00	301.96	2.6	0.2	20
4-2, 116.00	302.66	4.7	0.1	38
4-3, 42.00	303.42	5.0	0.1	41
4-3, 57.00	303.57	0.4	0.3	0
4-4, 48.00	304.98	1.8	0.2	14
4-5, 49.00	306.49	2.5	0.2	20
4-6, 38.00	307.88	3.1	0.1	25
5-1, 64.00	403.64	6.6	0.0	54
5-2, 35.00	404.85	7.8	0.0	65
5-3, 29.00	406.29	7.7	0.0	64
5-4, 18.00	407.68	4.3	0.0	35
5-4, 138.00	408.88	9.7	0.0	81
6-1, 36.00	412.36	9.9	0.0	83
6-2, 131.00	414.81	9.7	0.0	81
6-2, 131.00	414.81	9.8	0.0	82
7-1, 112.00	500.12	9.9	0.0	82
7-1, 112.00	500.12	9.8	0.0	81

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
8-1, 82.00	563.82	10.3	0.0	85
9-1, 139.00	587.39	5.9	0.0	49
9-2, 126.50	588.77	2.9	0.0	24
10-2, 19.00	592.69	5.7	0.0	47
10-2, 103.00	593.53	0.0	0.0	0
11-1, 68.00	600.68	5.5	0.0	46
11-2, 132.00	602.82	3.2	0.0	27
22-3, 72.50	603.72	6.9	0.0	57
11-3, 120.50	604.20	5.9	0.0	49
12-1, 79.00	609.79	1.7	0.0	14
12-1, 146.00	610.46	8.2	0.0	68
12-2, 0.00	610.50	7.8	0.0	64
12-2, 41.00	610.91	8.4	0.0	70
12-3, 130.00	613.30	4.4	0.0	37
13-1, 126.00	620.26	7.7	0.0	64
13-2, 149.00	621.99	1.1	0.0	9
13-3, 70.00	622.70	9.6	0.0	79
13-4, 13.00	623.63	10.1	0.0	84
13-4, 130.00	624.80	8.4	0.0	70
14-1, 102.00	657.02	10.8	0.0	90
15-1, 62.00	667.62	9.4	0.6	73
15-2, 73.00	669.23	0.1	0.0	1
15-2, 109.00	669.59	10.1	0.0	84
15-3, 38.00	670.38	10.4	0.0	87
15-3, 105.00	671.05	8.5	0.0	71
15-4, 134.00	672.84	8.9	0.1	74
16-1, 6.00	731.06	0.6	0.0	5
16-1, 19.00	731.19	8.2	0.0	68
16-1, 87.00	731.87	8.7	0.0	72
16-2, 13.00	732.63	9.9	5.0	41
16-2, 22.00	732.72	2.9	0.0	24
16-2, 34.00	732.84	4.5	1.9	22
16-2, 37.00	732.87	7.6	6.2	11
16-2, 102.00	733.52	8.6	0.1	71
17-1, 146.00	741.46	8.3	4.2	34
18-1, 141.00	750.41	9.9	0.1	82
18-2, 44.00	750.94	1.0	0.1	8
18-2, 131.00	751.81	0.2	0.0	1
18-3, 57.00	752.57	0.5	0.0	4
18-3, 129.00	753.29	3.8	0.1	30
18-4, 79.00	754.29	2.1	1.0	10
18-4, 111.00	754.61	1.6	0.1	13
Site 154				
1-1, 74.00	52.74	2.5	0.2	20
1-2, 15.00	53.65	2.8	0.2	22
1-3, 74.00	55.74	4.2	0.1	34
1-4, 76.00	57.26	4.9	0.1	40
1-5, 133.00	59.33	4.8	0.2	38
1-6, 90.00	60.40	4.6	0.1	37
2-2, 109.00	110.59	3.9	0.2	31
2-3, 58.00	111.58	4.3	0.0	36
2-5, 62.00	114.62	4.4	0.2	35
2-6, 18.50	115.69	4.4	0.2	35
2-7, 32.00	117.32	3.0	0.1	24
3-2, 4.00	165.54	2.3	0.3	17
3-3, 71.00	167.71	0.3	0.1	1
4-2, 96.00	175.46	0.1	0.0	1
4-3, 9.50	176.09	0.4	0.1	3

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
5-1, 5.00	182.05	1.6	0.3	11
5-2, 71.00	184.21	0.1	0.0	1
5-3, 21.00	185.21	1.5	0.2	11
5-6, 79.00	190.29	0.1	0.0	0
6-1, 18.00	192.18	0.6	0.3	2
8-1, 71.50	211.71	2.8	1.8	8
8-2, 111.00	213.61	1.4	0.9	4
8-3, 30.50	214.30	2.0	1.3	6
8-4, 120.00	216.70	1.1	0.6	4
8-5, 110.00	218.10	1.5	1.0	5
8-6, 136.00	219.86	3.1	2.7	3
9-1, 109.00	222.09	0.1	0.0	1
10-1, 142.00	231.42	0.4	0.2	2
10-2, 103.00	232.53	0.4	0.2	2
10-3, 20.00	233.20	5.4	3.5	16
11-1, 138.00	241.38	6.0	5.9	1
11-2, 88.00	242.38	0.1	0.0	0
11-3, 60.00	243.60	1.4	0.7	6
12-1, 75.00	249.75	0.6	0.2	3
12-2, 146.00	251.96	0.8	0.4	4
13-1, 124.00	259.24	2.6	1.5	9
13-3, 50.00	261.50	0.2	0.1	1
13-5, 127.00	265.27	0.2	0.1	1
13-6, 74.00	266.24	0.2	0.1	1
14-1, 50.00	268.50	0.1	0.0	0
Site 154A				
1-1, 100.00	2.00	2.8	0.1	23
1-2, 23.00	2.73	2.8	0.2	22
1-3, 26.00	4.26	4.2	0.2	34
1-4, 136.00	6.86	4.5	0.2	35
1-5, 71.50	7.71	3.6	0.1	29
2-2, 12.50	11.63	3.2	0.2	25
2-3, 11.00	13.11	3.4	0.2	27
3-1, 100.00	21.00	4.3	0.2	34
3-2, 11.50	21.62	4.4	0.2	35
3-3, 11.50	23.12	3.5	0.2	28
3-4, 11.50	24.62	2.5	0.2	19
3-5, 5.00	26.05	3.6	0.1	29
3-6, 123.00	28.73	4.6	0.1	37
4-1, 6.50	29.06	3.2	0.2	25
4-2, 93.00	31.43	2.9	0.2	23
4-3, 10.00	32.10	2.5	0.1	20
4-4, 6.00	33.56	3.8	0.2	31
4-5, 86.50	35.87	3.4	0.2	27
4-6, 17.00	36.67	4.1	0.1	33
5-2, 99.00	41.49	2.9	0.2	23
6-2, 0.00	50.50	3.9	0.2	31
6-3, 0.00	52.00	3.8	0.2	31
6-4, 0.00	53.50	3.3	0.2	26
6-6, 0.00	56.50	3.7	0.2	30
7-1, 112.00	60.12	3.8	0.2	30
7-2, 72.00	61.22	3.9	0.1	31
8-1, 132.00	69.32	3.9	0.2	31
8-2, 17.00	69.67	3.9	0.1	31
8-3, 40.00	71.40	4.7	0.1	38
8-4, 20.00	72.70	3.5	0.2	28
8-5, 74.00	74.74	3.5	0.1	28
8-6, 130.00	76.80	5.0	0.1	41

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
9-1, 90.00	78.90	4.9	0.1	40
9-1, 101.00	79.01	4.3	0.1	35
9-2, 100.00	80.50	4.7	0.1	38
9-3, 119.00	82.19	5.2	0.1	43
9-4, 65.00	83.15	4.2	0.1	34
9-5, 76.00	84.76	4.2	0.1	34
9-6, 58.00	86.08	4.5	0.1	37
10-1, 97.00	87.97	5.3	0.1	43
10-2, 92.00	89.42	5.9	0.1	48
10-3, 29.00	90.29	5.1	0.1	42
10-4, 127.00	92.77	4.3	0.2	34
10-5, 62.00	93.62	4.0	0.1	32
10-6, 119.00	95.69	3.5	0.2	27
11-2, 88.00	99.38	4.2	0.2	33
11-3, 65.00	100.65	3.5	0.2	28
11-4, 137.00	102.87	4.2	0.1	34
11-5, 113.00	104.13	4.7	0.2	38
11-6, 134.00	105.84	4.9	0.2	39
12-1, 110.00	107.10	4.4	0.1	36
12-2, 134.00	108.84	4.7	0.1	38
12-3, 134.00	110.34	3.9	0.2	31
12-5, 39.00	112.39	4.5	0.1	36
12-6, 121.00	114.71	4.1	0.2	32
13-1, 142.00	117.42	4.0	0.2	32
13-2, 24.00	117.74	3.5	0.1	28
13-3, 130.00	120.30	4.9	0.1	40
13-4, 56.00	121.06	4.7	0.1	38
13-5, 119.00	123.19	3.7	0.2	29

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
13-6, 136.00	124.86	3.3	0.2	26
14-1, 115.00	126.15	4.3	0.2	34
14-2, 57.00	127.07	3.3	0.2	26
14-3, 91.00	128.91	3.9	0.2	31
14-4, 16.00	129.66	3.1	0.2	24
14-5, 18.00	131.18	1.7	0.2	13
14-6, 30.00	132.80	3.1	0.2	24
15-2, 6.00	135.56	2.4	0.3	17
15-3, 15.00	137.15	2.9	0.3	22
15-4, 8.00	138.58	0.9	0.2	5
15-5, 62.00	140.62	2.1	0.4	15
16-1, 8.00	144.08	3.7	0.3	29
16-2, 49.00	145.99	0.7	0.3	4
16-3, 12.00	147.12	1.5	0.4	9
16-4, 13.00	148.63	1.5	0.3	10
16-5, 22.00	150.22	0.5	0.3	1
16-6, 13.00	151.63	2.6	0.4	18
17-1, 51.00	153.51	1.4	0.4	8
17-3, 13.00	156.13	0.4	0.2	2
17-4, 105.00	158.55	0.2	0.1	1
17-5, 45.00	159.45	0.1	0.0	0
17-6, 99.00	161.49	0.2	0.1	1
18-2, 28.00	164.78	0.0	0.0	0
18-3, 39.00	166.39	0.3	0.2	1
18-4, 33.00	167.83	0.4	0.2	2

*Samples analyzed using Acid-Base method. See text.