19. CARBON – CARBONATE

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Leg 19 sediment samples were analyzed (Table 1) on a Leco 70-Second Analyzer following procedures outlined in Volumes 9 and 18 of the Initial Reports of the Deep Sea Drilling Project. Accuracy and precision of the results are as follows:

Total carbon	±0.3% (absolute)
Organic carbon	±0.06% (absolute)
$CaCO_3$	±3% (absolute)

TABLE 1
Carbon-Carbonate Analyses, Leg 19

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
Site 183				
1-1 (83.0)	0.83	0.7	0.5	1
1-2 (90.0)	2.40	0.5	0.4	1
2-1 (117.0)	4.17	0.6	0.5	1
2-2 (30.0)	4.80	0.3	0.2	1
2-3 (18.0)	6.18	0.6	0.5	1
3-1 (30.0)	12.30	0.4	0.3	1
4-3 (60.0)	24.60	0.5	0.4	1
4-3 (70.0)	24.70	0.3	0.2	0
4-4 (110.0)	26.60	0.4	0.4	1
5-1 (107.0)	31.07	0.4	0.4	1
5-3 (90.0)	33.90	0.4	0.3	0
5-3 (105.0)	34.05	0.6	0.4	1
5-3 (115.0)	34.15	0.6	0.5	1
5-5 (80.0)	36.80	0.4	0.4	0
6-2 (60.0)	42.10	0.4	0.3	1
6-3 (60.0)	43.60	0.4	0.4	1
6-4 (90.0)	45.40	0.3	0.3	0
7-1 (110.0)	50.10	0.5	0.4	0
7-2 (60.0)	51.10	0.5	0.5	0
7-3 (100.0)	53.00	0.5	0.4	0
7-4 (75.0)	54.25	0.5	0.5	0
8-1 (110.0)	60.10	0.3	0.3	0
8-2 (37.0)	60.87	0.1	0.1	0
8-3 (110.0)	63.10	0.4	0.4	0
8-4 (106.0)	64.56	0.2	0.2	0
9-1 (85.0)	68.85	0.4	0.4	1
9-3 (90.0)	71.90	0.2	0.1	0
9-5 (68.0)	74.68	0.5	0.4	1
10-1 (62.0)	78.62	0.3	0.3	0
10-2 (62.0)	80.12	0.2	0.2	0
11-1 (62.0)	99.62	0.4	0.4	0
11-2 (100.0)	101.50	0.3	0.3	0
11-3 (63.0)	102.63	0.2	0.2	0
11-4 (62.0)	104.12	0.3	0.2	0
11-5 (87.0)	105.87	0.1	0.1	0
12-1 (87.0)	118.87	0.3	0.3	0
12-2 (62.0)	120.12	0.1	0.1	0
12-3 (87.0)	121.87	0.1	0.1	0
12-4 (87.0)	123.37	0.1	0.1	0
12-5 (87.0)	124.87	0.1	0.1	0
12-5 (130.0)	125.30	0.2	0.2	1
13-1 (145.0)	128.45	0.1	0.1	0
13-2 (112.0)	129.62	0.1	0.1	0
13-3 (87.0)	130.87	0.1	0.1	0
13-4 (62.0)	132.12	0.1	0.1	0
13-5 (62.0)	133.62	0.1	0.1	0
13-6 (87.0)	135.37	0.1	0.1	0
15-1 (37.0)	146.37	0.3	0.2	1
17-3 (40.0)	167.40	0.1	0.1	0
21-2 (63.0)	203.13	0	0.1	0
21-2 (108.0)	203.58	0.1	0.1	0
23-1 (37.0)	220.37	0.9	0.9	0
24-2 (78.0)	231.28	0.8	0.8	0
25-7 (0)	248.00	7.0	0.1	57
27-2 (72.0)	259.22	0.4	0.3	0
35-7 (0)	397.00	7.0	3.4	30
38-2 (120.0)	474.70	0.8	0.7	1
39-1 (104.0)	501.04	6.9	0.1	57
39-1 (111.0)	501.11	3.7	0.1	30
39-1 (126.0)	501.26	8.6	0	72
Site 184				
2-5 (87.0)	134.87	0.9	0.8	1
4-1 (58.0)	165.58	0.4	0.4	1
4-4 (110.0)	170.60	0.4	0.4	1
6-2 (103.0)	204.53	6.2	0.4	48
7-2 (62.0)	223.12	0.6	0.5	1
8-2 (69.0)	242.19	0.6	0.5	0
8-3 (67.0)	243.67	0.2	0.2	0
9-4 (38.0)	253.88	0.8	0.6	1
11-2 (138.0)	298.88	0.5	0.4	1
13-3 (40.0)	345.40	0.4	0.3	1
14-4 (120.0)	385.70	0.9	0.3	5
15-1 (80.0)	389.80	0.3	0.3	0
20-5 (58.0)	545.58	0.5	0.4	0
Site 185				
1-1 (60.0)	0.60	0.7	0.5	1
1-4 (90.0)	5.40	0.7	0.6	1
1-5 (60.0)	6.60	0.6	0.5	1
2-1 (72.0)	9.72	0.7	0.6	1

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
4-3 (90.0)	38.90	1.2	0.6	5
5-2 (62.0)	65.12	0.5	0.4	1
7-5 (54.0)	135.54	1.8	0.7	9
25-2 (116.0)	693.66	1.2	0.4	7
Site 186				
7-2 (80.0)	116.30	0.5	0.4	1
7-2 (100.0)	116.50	0.2	0.1	0
8-5 (76.0)	139.76	0.6	0.5	1
9-1 (86.0)	161.86	0.1	0.1	0
9-6 (96.0)	169.46	0.7	0.6	1
10-2 (71.0)	172.21	0.8	0.5	2
11-2 (76.0)	209.26	0.2	0.1	1
11-4 (56.0)	212.06	0.4	0.3	1
13-1 (131.0)	292.31	0.4	0.4	0
17-3 (7.0)	425.07	0.6	0.5	0
17-3 (101.0)	426.01	0.4	0.3	1
18-2 (45.0)	445.95	0.4	0.4	1
18-3 (85.0)	447.85	1.6	0.3	10
19-2 (68.0)	451.18	0.5	0.5	1
20-4 (24.0)	462.74	0.7	0.6	1
21-3 (31.0)	509.31	4.0	0.3	31
22-2 (42.0)	563.92	1.3	0.5	7
22-3 (45.0)	565.45	0.4	0.3	1
22-3 (82.0)	565.82	0.2	0.1	1
22-3 (104.0)	566.04	0.2	0.1	1
22-3 (142.0)	566.42	0.1	0.1	1
22-7 (0)	571.00	0.2	0.1	1
23-2 (57.0)	620.07	0.6	0.5	1
23-3 (110.0)	622.10	0.8	0.6	2
24-3 (81.0)	686.81	0.5	0.4	1
25-1 (51.0)	731.51	0.8	0.6	1
25-1 (140.0)	732.40	0.6	0.4	1
26-2 (34.0)	806.84	0.4	0.4	1
27-3 (30.0)	864.30	0.7	0.4	2
28-3 (92.0)	920.92	0.4	0.3	1
Site 188				
1-1 (101.0)	1.01	2.1	0.8	11
1-1 (142.0)	1.42	0.8	0.6	2
3-2 (97.0)	32.47	0.5	0.4	1
3-3 (26.0)	33.26	0.5	0.4	1
3-4 (112.0)	35.62	0.7	0.6	1
4-3 (46.0)	62.46	0.6	0.5	1
5-2 (39.0)	88.89	1.4	0.5	7
9-3 (65.0)	286.65	0.6	0.5	0
14-1 (130.0)	565.30	0.4	0.3	0
Site 189				
4-4 (68.0)	88.18	0.6	0.5	1
4-4 (81.0)	88.31	0.5	0.4	1

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
5-4 (94.0)	152.44	0.4	0.4	0
6-1 (100.0)	213.0	5.9	0.4	46
6-2 (133.0)	214.83	0.4	0.3	1
7-2 (6.0)	297.56	0.6	0.4	1
7-2 (108.0)	298.58	0.4	0.3	0
8-1 (105.0)	363.05	0.6	0.5	1
9-1 (117.0)	427.17	0.7	0.4	3
10-1 (59.0)	537.59	0.8	0.7	1
11-1 (21.0)	641.21	0.5	0.4	0
11-2 (52.0)	643.02	0.3	0.3	0
11-3 (28.0)	644.28	0.4	0.4	0
11-3 (75.0)	644.75	0.3	0.3	0
11-3 (130.0)	645.30	1.0	0.3	6
12-2 (50.0)	708.00	0.3	0.3	0
12-2 (83.0)	708.33	0.2	0.1	0
13-2 (12.0)	726.62	0.5	0.5	0
13-2 (24.0)	726.74	0.3	0.3	0
13-3 (55.0)	728.55	0.3	0.3	0
14-2 (84.0)	745.34	4.8	0.2	38
15-2 (120.0)	773.70	0.4	0.4	0
16-2 (54.0)	801.04	0.2	0.2	0
18-2 (102.0)	829.52	0.2	0.2	0
19-2 (120.0)	849.70	0.3	0.3	0
20-2 (68.0)	867.18	0.2	0.2	0
Site 190				
1-2 (56.0)	2.06	0.4	0.3	0
2-1 (112.0)	7.12	0.5	0.4	1
2-2 (88.0)	0.5	0.4	1	
3-3 (48.0)	18.48	0.8	0.7	1
4-3 (2.0)	27.02	0.0	0.1	0
4-4 (74.0)	29.24	0.6	0.5	1
5-3 (76.0)	36.76	0.7	0.5	1
5-6 (74.0)	41.24	0.8	0.7	1
6-5 (55.0)	49.55	0.5	0.4	1
7-2 (66.0)	77.16	0.8	0.7	1
8-4 (53.0)	89.03	0.6	0.5	1
9-2 (91.0)	114.41	0.4	0.4	0
10-2 (137.00)	152.87	0.3	0.3	0
11-2 (101.00)	199.51	0.6	0.5	1
12-3 (100.0)	229.00	0.7	0.6	1
13-2 (71.0)	330.21	0.5	0.5	0
14-2 (57.0)	423.07	0.4	0.4	0
16-7 (0)	627.00	0.6	0.2	3
Site 191				
2-2 (0)	2.50	1.3	1.0	2
4-2 (64.0)	80.14	1.5	1.1	3
4-6 (123.0)	86.73	0.7	0.6	1
5-2 (94.0)	136.44	0.6	0.5	1
5-4 (120.0)	139.70	0.5	0.4	1

TABLE 1 – *Continued*

Core, Section Top of Interval (cm)	Depth in Hole (m)	Carbon Total (%)	Organic Carbon (%)	$CaCO_3$ (%)
6-2 (9.0)	172.59	0.1	0.1	0
6-2 (134.0)	173.84	0.7	0.6	1
8-2 (94.0)	276.44	0.5	0.4	0
9-1 (65.0)	321.65	0.6	0.5	1
10-2 (81.00)	386.31	0.4	0.4	0
11-2 (106.0)	454.56	0.6	0.5	1
12-2 (31.0)	521.81	1.0	0.5	4
13-1 (119.0)	621.19	0.5	0.5	0
13-2 (57.0)	622.07	0.6	0.6	0
Site 192				
1-1 (42.0)	0.42	1.2	0.3	8
4-2 (38.0)	20.88	0.4	0.3	1
5-2 (105.0)	30.55	0.4	0.3	0
6-2 (44.0)	56.94	0.4	0.4	1
8-3 (116.0)	96.16	0.3	0.3	0
8-4 (90.0)	97.40	0.2	0.2	0
9-3 (60.0)	124.60	0.3	0.3	0
10-2 (40.0)	149.90	0.5	0.5	0
11-2 (38.0)	177.88	0.4	0.4	0
12-2 (88.0)	206.38	0.4	0.4	0
13-2 (128.0)	234.78	0.5	0.5	0
15-2 (90.0)	271.40	0.4	0.4	0
16-3 (120.0)	301.20	0.4	0.4	0
17-2 (84.0)	327.34	0.4	0.4	0
21-1 (135.0)	476.35	0.4	0.4	0
21-2 (92.0)	477.42	0.5	0.4	1
23-2 (60.0)	571.10	0.2	0.2	0
23-2 (60.0)	571.10	0.2	0.2	0
24-2 (81.0)	627.31	0.2	0.2	0
25-1 (100.0)	672.00	0.3	0.2	0
26-2 (14.0)	710.64	0.2	0.2	0
27-3 (70.0)	749.70	0.2	0.2	0
28-1 (58.0)	784.58	0.4	0.2	2
29-1 (128.0)	794.28	4.9	0.1	40
30-2 (140.0)	851.90	0.2	0.2	0
31-2 (38.0)	897.88	0.1	0.1	0
32-2 (34.0)	906.84	0.2	0.1	0
32-2 (106.0)	907.58	0.2	0.1	1
35-1 (88.0)	932.88	6.8	0.0	57
Hole 192A				
1-3 (88.0)	945.88	8.0	0.0	66
1-6 (139.0)	950.89	0.8	0.0	7
2-1 (80.0)	951.80	0.0	0.0	0
2-4 (50.0)	956.00	0.1	0.0	1
2-6 (110.0)	959.60	9.3	0.0	77
3-1 (145.0)	984.45	0.1	0.0	1
3-3 (28.0)	986.28	10.6	0.1	88
4-1 (126.0)	1019.26	0.4	0.1	3
5-1 (34.0)	1043.34	6.0	0	50
5-1 (73.0)	1043.73	6.0	0	49