

I. CARBON-CARBONATE ANALYSIS

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Leg 44 sediments were analyzed for total carbon and acid-insoluble (organic) carbon using a LECO WR-12I analyzer. The 3-cc sediment samples were dried, ground into a homogeneous powder, and redried at 105°-110°C. Two samples, a 0.1-g and 0.5-g sample, were weighed into LECO clay crucibles. The 0.1-g sample was analyzed for total carbon without further treatment. If the sample contained less than 10% CaCO₃, an additional 0.5-g sample was analyzed for greater accuracy. The calcium carbonate percentages were calculated as follows: (% total C - % organic C) × 8.33 = %CaCO₃. Although other carbonates may be present, all acid-soluble carbon was calculated as calcium carbonate. All carbon/carbonate results are given in weight percent. For detailed step-by-step procedure and theory, see Volume 4 of the *Initial Reports of the Deep Sea Drilling Project* (Bader, Gerard, et al., 1970) and Volume 9 of the *Initial Reports of the Deep Sea Drilling Project* (Boyce, Bode, et al., 1972).

For control purposes standard sediments were made up from Deep Sea Drilling material and analyzed for total carbon at predetermined intervals with regular samples. Listed below are the data from these standards:

REFERENCES

- Bader, R.G., Gerard, R.D., et al., 1970. *Initial Reports of the Deep Sea Drilling Project*, Volume 4, Washington (U.S. Government Printing Office), Appendix III.
 Boyce, R.E. and Bode, G.W., 1972. Carbon and carbonate analyses, Leg 9, Deep Sea Drilling Project. In Hayes, J.D., et al., *Initial Reports of the Deep Sea Drilling Project*, Volume 9, Washington (U.S. Government Printing Office), p. 747.

| Sample (Interval in cm) | Depth (m) | Total Carbon (%) | Organic Carbon (%) | CaCO ₃ (%) |
|-------------------------------|--------------|------------------------|--------------------------|--------------------------|
|-------------------------------|--------------|------------------------|--------------------------|--------------------------|

Hole 388

| | | | | |
|----------|-------|-----|-----|----|
| 1-1, 99 | 1.0 | 0.6 | 0.4 | 2 |
| 1-3, 22 | 3.2 | 4.9 | 0.1 | 39 |
| 1-4, 5 | 4.6 | 2.1 | 0.1 | 16 |
| 2-1, 99 | 38.0 | 1.7 | 0.2 | 12 |
| 2-2, 30 | 38.8 | 3.5 | 0.2 | 28 |
| 2-3, 31 | 40.3 | 3.1 | 0.2 | 24 |
| 4-1, 95 | 209.0 | 0.3 | 0.3 | 0 |
| 5-0, 0 | 246.0 | 0.6 | 0.4 | 1 |
| 5-0, 0 | 246.0 | 0.6 | 0.4 | 2 |
| 5-0, 43 | 246.4 | 0.4 | 0.3 | 0 |
| 5-1, 30 | 246.8 | 0.4 | 0.4 | 0 |
| 5-2, 30 | 248.3 | 0.4 | 0.3 | 1 |
| 5-4, 49 | 251.5 | 0.4 | 0.3 | 1 |
| 5-5, 30 | 252.8 | 0.5 | 0.3 | 1 |
| 5-6, 110 | 255.1 | 0.4 | 0.3 | 1 |
| 6-2, 100 | 286.5 | 0.8 | 0.6 | 2 |
| 7-2, 40 | 295.4 | 0.7 | 0.3 | 3 |
| 7-3, 0 | 296.5 | 0.7 | 0.5 | 2 |
| 7-3, 30 | 296.8 | 0.5 | 0.3 | 1 |
| 7-3, 48 | 297.0 | 0.7 | 0.4 | 3 |

| Sample (Interval in cm) | Depth (m) | Total Carbon (%) | Organic Carbon (%) | CaCO ₃ (%) |
|-------------------------------|--------------|------------------------|--------------------------|--------------------------|
|-------------------------------|--------------|------------------------|--------------------------|--------------------------|

| | | | | |
|-----------|-------|-----|-----|---|
| 7-4, 0 | 298.0 | 0.8 | 0.6 | 2 |
| 7-4, 150 | 299.5 | 0.5 | 0.3 | 1 |
| 8-1, 60 | 303.6 | 0.6 | 0.5 | 1 |
| 9-1, 24 | 312.7 | 0.8 | 0.4 | 3 |
| 9-3, 30 | 315.8 | 0.5 | 0.4 | 1 |
| 9-4, 56 | 317.6 | 0.8 | 0.4 | 4 |
| 9-5, 60 | 319.1 | 0.4 | 0.4 | 0 |
| 10-1, 130 | 323.3 | 0.6 | 0.4 | 1 |
| 11-0, 0 | 331.5 | 0.8 | 0.4 | 3 |
| 11-0, 50 | 332.0 | 0.6 | 0.3 | 2 |
| 11-2, 22 | 333.7 | 0.5 | 0.3 | 1 |
| 11-5, 68 | 338.7 | 0.5 | 0.3 | 1 |

Hole 389

| | | | | |
|---------|------|-----|-----|----|
| 1-2, 39 | 31.9 | 9.4 | 0.1 | 78 |
|---------|------|-----|-----|----|

Hole 390

| | | | | |
|----------|-------|------|-----|----|
| 1-2, 39 | 1.9 | 0.4 | 0.4 | 0 |
| 1-3, 36 | 3.4 | 10.2 | 0.0 | 85 |
| 1-4, 43 | 4.9 | 9.8 | 0.0 | 81 |
| 1-5, 40 | 6.4 | 9.9 | 0.0 | 82 |
| 1-6, 55 | 8.1 | 9.7 | 0.0 | 80 |
| 2-1, 136 | 124.9 | 8.4 | 0.1 | 69 |
| 3-1, 136 | 134.4 | 2.3 | 0.1 | 19 |
| 3-3, 0 | 136.0 | 6.4 | 0.0 | 53 |
| 3-3, 20 | 136.2 | 7.6 | 0.0 | 63 |
| 3-3, 48 | 136.5 | 5.7 | 0.1 | 47 |
| 4-1, 135 | 143.9 | 3.2 | 0.1 | 27 |
| 4-2, 61 | 144.6 | 6.5 | 0.1 | 53 |
| 5-1, 109 | 153.1 | 9.6 | 0.1 | 79 |
| 5-2, 59 | 154.1 | 7.6 | 0.1 | 63 |
| 8-6, 121 | 189.2 | 11.3 | 0.0 | 94 |
| 9-1, 106 | 191.1 | 10.7 | 0.0 | 89 |

Hole 390A

| | | | | |
|----------|------|------|-----|----|
| 1-1, 110 | 10.6 | 9.4 | 0.0 | 78 |
| 2-1, 107 | 20.1 | 8.6 | 0.0 | 71 |
| 2-2, 58 | 21.1 | 8.1 | 0.0 | 67 |
| 3-2, 29 | 30.3 | 8.4 | 0.0 | 70 |
| 3-4, 18 | 33.2 | 8.3 | 0.0 | 69 |
| 4-2, 23 | 40.1 | 8.1 | 0.0 | 67 |
| 4-4, 23 | 43.1 | 8.5 | 0.0 | 71 |
| 4-6, 24 | 46.1 | 10.4 | 0.0 | 86 |
| 5-2, 23 | 49.2 | 9.3 | 0.1 | 77 |
| 5-4, 124 | 53.2 | 7.6 | 0.0 | 63 |
| 6-0, 0 | 57.0 | 9.0 | 0.0 | 75 |
| 6-0, 40 | 57.4 | 8.9 | 0.0 | 73 |
| 6-2, 23 | 59.1 | 7.9 | 0.0 | 66 |
| 6-4, 21 | 62.1 | 7.6 | 0.0 | 63 |
| 6-6, 22 | 65.1 | 8.3 | 0.0 | 69 |
| 7-4, 20 | 71.2 | 6.7 | 0.0 | 56 |
| 8-3, 60 | 79.6 | 7.7 | 0.1 | 64 |
| 9-1, 94 | 86.4 | 8.1 | 0.1 | 67 |
| 10-0, 0 | 95.0 | 7.5 | 0.0 | 62 |
| 10-0, 40 | 95.4 | 8.2 | 0.0 | 68 |
| 10-1, 52 | 95.9 | 7.9 | 0.1 | 65 |

| Sample (Interval in cm) | Depth (m) | Total Carbon (%) | Organic Carbon (%) | CaCO ₃ (%) | Sample (Interval in cm) | Depth (m) | Total Carbon (%) | Organic Carbon (%) | CaCO ₃ (%) | | | | | |
|-------------------------------|--------------|------------------------|--------------------------|--------------------------|-------------------------------|--------------|------------------------|--------------------------|--------------------------|--|--|--|--|--|
| Hole 390A – Continued | | | | | | | | | | | | | | |
| 10-3, 50 | 98.9 | 7.8 | 0.1 | 65 | 10-0, 0 | 373.5 | 9.0 | 0.2 | 73 | | | | | |
| 10-5, 50 | 101.9 | 7.2 | 0.1 | 59 | 10-0, 40 | 373.9 | 9.0 | 0.2 | 73 | | | | | |
| 11-2, 52 | 106.5 | 9.4 | 0.1 | 78 | 10-2, 46 | 375.9 | 9.3 | 0.3 | 75 | | | | | |
| 11-4, 52 | 109.5 | 9.2 | 0.1 | 76 | 10-4, 55 | 379.0 | 9.0 | 0.3 | 72 | | | | | |
| 11-6, 60 | 112.6 | 9.1 | 0.1 | 75 | 10-6, 47 | 381.9 | 9.0 | 0.3 | 73 | | | | | |
| 12-0, 0 | 114.0 | 8.9 | 0.1 | 74 | 11-0, 0 | 411.5 | 9.1 | 0.2 | 74 | | | | | |
| 12-0, 45 | 114.5 | 9.0 | 0.1 | 75 | 11-0, 50 | 412.0 | 9.1 | 0.2 | 74 | | | | | |
| 12-2, 52 | 116.5 | 8.6 | 0.1 | 71 | 11-2, 75 | 414.3 | 9.2 | 0.3 | 74 | | | | | |
| 12-4, 60 | 119.6 | 8.9 | 0.1 | 74 | 11-4, 75 | 417.3 | 9.3 | 0.2 | 76 | | | | | |
| 12-6, 51 | 122.5 | 8.8 | 0.1 | 73 | 12-0, 0 | 468.5 | 10.0 | 0.2 | 82 | | | | | |
| 13-1, 63 | 124.5 | 8.8 | 0.1 | 73 | 12-0, 0 | 468.5 | 10.2 | 2.3 | 66 | | | | | |
| 13-2, 30 | 125.7 | 8.8 | 0.1 | 73 | 12-4, 105 | 474.6 | 9.9 | 0.3 | 80 | | | | | |
| 13-2, 105 | 126.5 | 10.9 | 0.0 | 91 | 12-6, 40 | 476.9 | 10.7 | 1.3 | 79 | | | | | |
| 13-4, 34 | 128.7 | 10.7 | 0.0 | 89 | 12-6, 60 | 477.1 | 10.9 | 0.1 | 89 | | | | | |
| 13-6, 40 | 131.8 | 10.6 | 0.0 | 88 | 13-0, 0 | 525.5 | 4.2 | 1.4 | 23 | | | | | |
| 14-1, 70 | 133.7 | 10.9 | 0.0 | 91 | 13-0, 50 | 526.0 | 4.1 | 1.5 | 21 | | | | | |
| 14-2, 39 | 134.9 | 10.7 | 0.0 | 89 | 13-1, 41 | 526.4 | 4.2 | 1.2 | 25 | | | | | |
| 14-4, 39 | 137.9 | 11.1 | 0.0 | 92 | 13-3, 74 | 529.7 | 10.2 | 0.3 | 82 | | | | | |
| 14-5, 98 | 140.0 | 8.9 | 0.0 | 74 | 13-5, 95 | 533.0 | 10.1 | 0.4 | 81 | | | | | |
| Hole 391 | | | | | | | | | | | | | | |
| 1-2, 0 | 1.5 | 3.4 | 0.3 | 26 | 16-1, 119 | 555.2 | 0.6 | 0.6 | 0 | | | | | |
| 1-2, 19 | 1.7 | 2.5 | 0.3 | 18 | 17-2, 80 | 570.8 | 10.6 | 0.2 | 87 | | | | | |
| 1-2, 106 | 2.6 | 1.2 | 0.3 | 7 | 17-4, 52 | 573.5 | 10.5 | 0.1 | 86 | | | | | |
| Hole 391A | | | | | | | | | | | | | | |
| 1-2, 98 | 88.5 | 2.0 | 0.4 | 13 | 17-4, 134 | 574.3 | 4.1 | 1.0 | 26 | | | | | |
| 1-4, 22 | 90.7 | 1.1 | 0.4 | 6 | 19-2, 57 | 584.6 | 8.7 | 0.5 | 68 | | | | | |
| 1-6, 82 | 94.3 | 0.9 | 0.4 | 4 | 19-3, 93 | 586.4 | 9.6 | 0.2 | 78 | | | | | |
| 2-2, 35 | 33.4 | 3.5 | 0.3 | 27 | 19-4, 100 | 588.0 | 0.5 | 0.4 | 0 | | | | | |
| 2-4, 42 | 36.4 | 2.4 | 0.4 | 17 | 19-4, 130 | 588.3 | 10.0 | 0.2 | 82 | | | | | |
| 3-1, 107 | 146.6 | 2.7 | 0.3 | 20 | 20-1, 92 | 640.4 | 0.9 | 0.9 | 0 | | | | | |
| 3-3, 45 | 149.0 | 11.4 | 0.1 | 94 | 20-2, 0 | 641.0 | 0.8 | 0.8 | 0 | | | | | |
| 3-4, 0 | 150.0 | 11.1 | 0.6 | 87 | 20-2, 40 | 641.4 | 0.5 | 0.5 | 0 | | | | | |
| 3-4, 28 | 150.3 | 11.0 | 11.0 | 0 | 20-2, 62 | 641.6 | 0.2 | 0.2 | 0 | | | | | |
| 3-5, 44 | 151.9 | 11.2 | 0.1 | 92 | 20-4, 73 | 644.7 | 9.4 | 0.2 | 76 | | | | | |
| 4-1, 26 | 202.8 | 11.1 | 0.2 | 91 | 21-1, 41 | 649.4 | 0.1 | 0.1 | 0 | | | | | |
| 4-2, 47 | 204.5 | 10.6 | 0.2 | 86 | 21-3, 41 | 652.4 | 0.1 | 0.1 | 0 | | | | | |
| 4-3, 0 | 205.5 | 10.7 | 2.3 | 70 | 21-4, 0 | 653.5 | 0.1 | 0.1 | 0 | | | | | |
| 4-3, 39 | 205.9 | 10.6 | 0.2 | 87 | 21-4, 125 | 654.8 | 0.3 | 0.3 | 0 | | | | | |
| 4-4, 54 | 207.5 | 10.2 | 0.4 | 81 | 21-5, 40 | 655.4 | 0.3 | 0.3 | 0 | | | | | |
| 5-0, 0 | 259.5 | 9.9 | 0.4 | 79 | Hole 391B | | | | | | | | | |
| 5-2, 51 | 261.9 | 10.2 | 0.4 | 81 | 1-2, 60 | 2.3 | 2.2 | 0.3 | 16 | | | | | |
| 5-4, 56 | 265.0 | 9.9 | 0.4 | 80 | 1-4, 53 | 5.2 | 1.5 | 0.3 | 9 | | | | | |
| 5-6, 56 | 268.0 | 10.6 | 0.3 | 86 | 1-4, 114 | 5.8 | 1.5 | 0.2 | 11 | | | | | |
| 6-2, 65 | 318.7 | 10.5 | 0.2 | 86 | 1-6, 51 | 8.2 | 1.6 | 0.3 | 11 | | | | | |
| 6-3, 0 | 319.5 | 10.6 | 0.2 | 87 | Hole 391C | | | | | | | | | |
| 6-3, 20 | 319.7 | 10.4 | 0.2 | 85 | 1-1, 81 | 336.3 | 9.0 | 0.1 | 74 | | | | | |
| 6-4, 60 | 321.6 | 11.0 | 0.1 | 91 | 1-2, 96 | 338.0 | 10.7 | 0.1 | 89 | | | | | |
| 6-5, 60 | 323.1 | 11.1 | 0.1 | 92 | 2-0, 0 | 611.0 | 8.9 | 0.3 | 72 | | | | | |
| 7-1, 57 | 326.6 | 3.4 | 1.6 | 15 | 2-0, 39 | 611.4 | 8.7 | 0.2 | 71 | | | | | |
| 7-2, 6 | 327.6 | 0.4 | 0.3 | 1 | 2-1, 5 | 611.4 | 9.0 | 0.3 | 73 | | | | | |
| 7-2, 67 | 328.2 | 3.3 | 1.5 | 15 | 2-3, 122 | 615.6 | 9.0 | 0.2 | 73 | | | | | |
| 7-4, 71 | 331.2 | 0.5 | 0.5 | 1 | 2-5, 12 | 617.5 | 9.1 | 0.3 | 73 | | | | | |
| 7-5, 64 | 332.6 | 3.3 | 1.0 | 20 | 4-1, 107 | 669.1 | 0.2 | 0.2 | 0 | | | | | |
| 8-1, 80 | 336.3 | 1.4 | 0.6 | 7 | 5-1, 95 | 678.5 | 0.1 | 0.1 | 0 | | | | | |
| 9-0, 0 | 354.5 | 9.0 | 0.3 | 73 | 6-2, 57 | 689.6 | 0.3 | 0.2 | 0 | | | | | |
| 9-0, 0 | 354.5 | 8.9 | 0.3 | 72 | 6-3, 0 | 690.5 | 0.9 | 0.9 | 0 | | | | | |
| 9-0, 50 | 355.0 | 9.0 | 0.2 | 73 | 6-3, 145 | 692.0 | 0.6 | 0.6 | 0 | | | | | |
| 9-2, 50 | 357.0 | 8.8 | 0.3 | 71 | 6-4, 57 | 692.6 | 0.3 | 0.2 | 1 | | | | | |
| 9-4, 42 | 359.9 | 8.7 | 0.3 | 71 | 6-6, 58 | 695.6 | 0.9 | 0.8 | 1 | | | | | |
| 9-6, 46 | 363.0 | 8.8 | 0.3 | 71 | 7-2, 0 | 726.5 | 0.9 | 0.9 | 0 | | | | | |
| | | | | | 7-2, 32 | 726.8 | 0.9 | 0.9 | 0 | | | | | |
| | | | | | 7-2, 44 | 726.9 | 0.7 | 0.6 | 1 | | | | | |

| Sample (Interval in cm) | Depth (m) | Total Carbon (%) | Organic Carbon (%) | CaCO ₃ (%) | Sample (Interval in cm) | Depth (m) | Total Carbon (%) | Organic Carbon (%) | CaCO ₃ (%) |
|-------------------------------|--------------|------------------------|--------------------------|--------------------------|-------------------------------|--------------|------------------------|--------------------------|--------------------------|
| Hole 391C – Continued | | | | | | | | | |
| 8-1, 132 | 783.3 | 1.8 | 1.8 | 0 | 30-4, 23 | 1185.7 | 6.8 | 1.0 | 48 |
| 8-2, 115 | 784.7 | 0.4 | 0.3 | 1 | 31-2, 51 | 1192.5 | 8.6 | 0.9 | 65 |
| 8-2, 145 | 785.0 | 0.4 | 0.4 | 0 | 31-4, 38 | 1195.4 | 8.7 | 0.6 | 68 |
| 9-1, 91 | 839.9 | 0.7 | 0.7 | 0 | 31-6, 8 | 1198.1 | 7.0 | 0.7 | 53 |
| 9-2, 80 | 841.3 | 0.2 | 0.2 | 0 | 32-2, 186 | 1203.4 | 11.0 | 0.1 | 90 |
| 9-3, 1 | 842.0 | 0.3 | 0.2 | 0 | 32-3, 18 | 1203.2 | 8.5 | 1.1 | 62 |
| 9-3, 149 | 843.5 | 0.8 | 0.7 | 1 | 32-4, 63 | 1205.1 | 8.2 | 0.1 | 67 |
| 10-1, 118 | 897.2 | 0.5 | 0.5 | 0 | 32-4, 180 | 1206.3 | 7.6 | 0.9 | 56 |
| 10-2, 28 | 897.8 | 0.1 | 0.1 | 0 | 33-2, 77 | 1211.8 | 8.0 | 0.8 | 60 |
| 10-3, 91 | 899.9 | 0.5 | 0.5 | 0 | 33-2, 121 | 1212.2 | 10.4 | 0.2 | 84 |
| 10-3, 110 | 900.1 | 1.6 | 1.5 | 1 | 33-3, 19 | 1212.7 | 10.6 | 0.1 | 87 |
| 10-3, 145 | 900.5 | 4.6 | 1.0 | 30 | 34-2, 1 | 1220.5 | 8.6 | 0.7 | 66 |
| 11-1, 113 | 925.6 | 11.0 | 2.9 | 67 | 34-4, 43 | 1223.9 | 9.7 | 0.1 | 80 |
| 11-2, 67 | 926.7 | 7.8 | 0.2 | 63 | 35-1, 49 | 1229.0 | 9.5 | 0.1 | 79 |
| 11-2, 110 | 927.1 | 6.2 | 0.4 | 48 | 35-3, 11 | 1231.6 | 8.8 | 0.2 | 72 |
| 11-2, 145 | 927.5 | 8.8 | 0.5 | 70 | 35-3, 11 | 1231.6 | 8.8 | 0.2 | 72 |
| 11-3, 83 | 928.3 | 11.6 | 1.1 | 87 | 35-4, 0 | 1233.0 | 8.7 | 0.2 | 71 |
| 12-1, 100 | 954.4 | 10.3 | 1.2 | 76 | 35-4, 30 | 1233.3 | 9.4 | 0.1 | 78 |
| 12-3, 44 | 956.8 | 8.5 | 3.0 | 45 | 35-4, 69 | 1233.7 | 7.2 | 0.1 | 59 |
| 12-4, 0 | 957.9 | 2.0 | 1.7 | 3 | 36-2, 88 | 1240.4 | 10.1 | 0.1 | 83 |
| 12-4, 149 | 959.4 | 1.9 | 0.9 | 8 | 36-4, 73 | 1243.2 | 9.9 | 0.1 | 81 |
| 12-5, 100 | 960.4 | 8.9 | 1.1 | 65 | 37-1, 134 | 1248.8 | 6.7 | 0.4 | 52 |
| 14-1, 99 | 1001.5 | 10.6 | 0.2 | 87 | 38-1, 132 | 1258.3 | 11.1 | 0.0 | 92 |
| 14-2, 42 | 1002.4 | 11.3 | 2.3 | 75 | 38-2, 67 | 1259.2 | 9.7 | 0.1 | 80 |
| 15-1, 76 | 1010.8 | 11.3 | 0.9 | 87 | 38-3, 7 | 1260.1 | 11.2 | 0.0 | 93 |
| 15-1, 90 | 1010.9 | 7.5 | 0.8 | 56 | 38-4, 47 | 1262.0 | 7.7 | 0.1 | 63 |
| 15-3, 72 | 1013.7 | 4.1 | 1.2 | 24 | 39-2, 38 | 1268.4 | 10.8 | 0.1 | 90 |
| 16-1, 90 | 1020.4 | 3.3 | 1.8 | 12 | 39-4, 14 | 1271.1 | 11.1 | 0.1 | 92 |
| 16-1, 110 | 1020.6 | 11.0 | 0.5 | 88 | 39-4, 100 | 1272.0 | 9.7 | 0.1 | 80 |
| 16-1, 149 | 1021.0 | 9.2 | 0.5 | 72 | 39-5, 70 | 1273.2 | 11.4 | 0.0 | 94 |
| 16-4, 68 | 1024.7 | 5.4 | 0.1 | 44 | 40-2, 0 | 1277.5 | 10.8 | 1.5 | 77 |
| 17-1, 97 | 1030.0 | 10.7 | 1.6 | 75 | 40-2, 40 | 1277.9 | 10.9 | 0.0 | 91 |
| 17-2, 95 | 1031.5 | 6.2 | 0.0 | 51 | 40-2, 76 | 1278.3 | 9.2 | 0.1 | 77 |
| 18-1, 100 | 1039.5 | 10.7 | 1.5 | 77 | 40-2, 100 | 1278.5 | 6.0 | 0.1 | 49 |
| 20-1, 126 | 1058.8 | 6.4 | 0.1 | 53 | 40-4, 96 | 1281.5 | 10.9 | 0.1 | 90 |
| 21-3, 110 | 1090.1 | 5.9 | 0.5 | 44 | 40-5, 71 | 1282.7 | 10.4 | 0.1 | 86 |
| 21-3, 138 | 1090.4 | 5.5 | 0.5 | 41 | 41-1, 53 | 1286.0 | 10.9 | 0.0 | 90 |
| 21-4, 78 | 1091.3 | 4.5 | 0.4 | 35 | 41-3, 49 | 1289.0 | 10.8 | 0.0 | 90 |
| 24-2, 33 | 1125.8 | 10.0 | 0.5 | 79 | 41-4, 50 | 1290.5 | 11.1 | 0.0 | 92 |
| 24-4, 33 | 1128.8 | 11.4 | 0.3 | 93 | 42-1, 50 | 1295.5 | 11.0 | 0.1 | 91 |
| 24-6, 44 | 1131.9 | 11.7 | 0.6 | 92 | 42-2, 50 | 1297.0 | 10.7 | 0.0 | 89 |
| 25-1, 37 | 1133.9 | 4.9 | 1.2 | 31 | 42-4, 10 | 1299.6 | 10.3 | 0.1 | 85 |
| 25-1, 111 | 1134.6 | 6.6 | 0.3 | 52 | 43-1, 27 | 1304.8 | 10.2 | 0.1 | 85 |
| 25-2, 26 | 1135.3 | 10.9 | 0.4 | 87 | 43-3, 126 | 1308.8 | 10.3 | 0.0 | 86 |
| 25-4, 33 | 1138.3 | 11.2 | 0.1 | 92 | 43-4, 95 | 1310.0 | 4.9 | 0.2 | 40 |
| 25-4, 114 | 1139.1 | 11.0 | 0.1 | 91 | 44-2, 35 | 1315.9 | 9.7 | 0.1 | 80 |
| 26-2, 5 | 1144.6 | 10.3 | 0.1 | 85 | 44-2, 71 | 1316.2 | 10.9 | 0.1 | 90 |
| 26-2, 32 | 1144.8 | 11.7 | 0.4 | 94 | 44-3, 31 | 1317.3 | 5.1 | 0.1 | 41 |
| 26-2, 116 | 1145.7 | 5.7 | 0.8 | 41 | 44-4, 55 | 1319.1 | 9.6 | 0.1 | 79 |
| 26-3, 110 | 1147.1 | 11.1 | 0.4 | 89 | 44-6, 25 | 1321.8 | 11.1 | 0.0 | 92 |
| 26-3, 150 | 1147.5 | 11.1 | 0.7 | 86 | 45-1, 109 | 1324.6 | 9.5 | 0.1 | 79 |
| 26-4, 48 | 1148.0 | 6.7 | 0.6 | 50 | 45-2, 53 | 1325.5 | 10.1 | 0.1 | 84 |
| 26-4, 81 | 1148.3 | 11.3 | 0.5 | 90 | 45-3, 52 | 1327.0 | 9.0 | 0.1 | 74 |
| 27-2, 11 | 1154.1 | 8.7 | 1.8 | 57 | 45-3, 69 | 1327.2 | 10.3 | 0.1 | 85 |
| 27-2, 40 | 1154.4 | 11.1 | 0.1 | 92 | 46-1, 67 | 1333.7 | 7.1 | 0.1 | 58 |
| 27-3, 57 | 1156.1 | 7.9 | 0.4 | 62 | 46-1, 143 | 1334.4 | 3.9 | 0.1 | 32 |
| 27-4, 68 | 1157.7 | 4.4 | 0.6 | 32 | 47-1, 44 | 1342.9 | 7.4 | 0.1 | 61 |
| 27-4, 125 | 1158.3 | 9.5 | 0.3 | 76 | 47-1, 108 | 1343.6 | 10.0 | 0.1 | 83 |
| 28-2, 41 | 1163.9 | 5.7 | 1.3 | 36 | 48-2, 65 | 1354.2 | 10.1 | 0.1 | 84 |
| 29-4, 125 | 1177.3 | 9.6 | 1.1 | 70 | 48-2, 121 | 1354.7 | 4.7 | 0.2 | 37 |
| 30-2, 64 | 1183.1 | 11.2 | 0.1 | 93 | 48-2, 125 | 1354.8 | 11.2 | 0.1 | 93 |
| 30-2, 110 | 1183.6 | 10.0 | 0.1 | 83 | 48-2, 150 | 1355.0 | 3.8 | 0.3 | 29 |
| 30-2, 149 | 1184.0 | 10.7 | 0.1 | 88 | 49-2, 28 | 1363.3 | 3.2 | 0.3 | 25 |

| Sample (Interval in cm) | Depth (m) | Total Carbon (%) | Organic Carbon (%) | CaCO ₃ (%) | Sample (Interval in cm) | Depth (m) | Total Carbon (%) | Organic Carbon (%) | CaCO ₃ (%) | | | | | |
|-------------------------------|--------------|------------------------|--------------------------|--------------------------|-------------------------------|--------------|------------------------|--------------------------|--------------------------|--|--|--|--|--|
| Hole 391C – Continued | | | | | | | | | | | | | | |
| 49-2, 107 | 1364.1 | 10.4 | 2.3 | 68 | 17-1, 81 | 193.8 | 11.6 | 0.0 | 96 | | | | | |
| 50-1, 55 | 1371.6 | 4.5 | 0.2 | 36 | 19-1, 72 | 212.7 | 11.9 | 0.1 | 99 | | | | | |
| 52-2, 10 | 1391.6 | 2.7 | 0.6 | 17 | 20-1, 61 | 222.1 | 11.9 | 0.0 | 99 | | | | | |
| 52-2, 40 | 1391.9 | 3.1 | 0.4 | 22 | 21-1, 114 | 232.1 | 12.0 | 0.1 | 100 | | | | | |
| 52-2, 47 | 1392.0 | 3.7 | 0.4 | 27 | 22-1, 104 | 241.5 | 11.8 | 0.1 | 98 | | | | | |
| 52-4, 28 | 1394.8 | 3.5 | 0.2 | 27 | 23-1, 132 | 251.3 | 12.0 | 0.0 | 99 | | | | | |
| 52-4, 91 | 1395.4 | 7.0 | 0.6 | 53 | 25, CC | 269.1 | 11.9 | 0.1 | 99 | | | | | |
| Hole 392A – Continued | | | | | | | | | | | | | | |
| 1-2, 26 | 52.3 | 10.6 | 0.0 | 87 | 26-1, 100 | 279.5 | 11.9 | 0.0 | 99 | | | | | |
| 1-2, 95 | 53.0 | 10.9 | 0.0 | 91 | 27, CC | 288.1 | 12.1 | 0.0 | 100 | | | | | |
| 2-1, 55 | 66.6 | 5.9 | 0.6 | 45 | 31, CC | 326.1 | 12.0 | 0.1 | 100 | | | | | |
| 2-3, 53 | 69.5 | 5.1 | 0.1 | 42 | Hole 393 | | | | | | | | | |
| 3-1, 26 | 79.3 | 6.3 | 1.0 | 44 | 1-3, 50 | 3.5 | 2.6 | 0.3 | 20 | | | | | |
| 3-1, 47 | 79.5 | 7.8 | 0.0 | 65 | 1-3, 115 | 4.2 | 7.6 | 0.2 | 62 | | | | | |
| 3-2, 87 | 81.4 | 9.6 | 0.0 | 80 | 1-3, 140 | 4.4 | 2.1 | 0.4 | 15 | | | | | |
| 4-1, 117 | 89.7 | 6.5 | 0.0 | 54 | 1-4, 40 | 4.9 | 2.6 | 0.3 | 20 | | | | | |
| 5-2, 72 | 100.2 | 10.5 | 0.1 | 87 | Hole 394A | | | | | | | | | |
| 6-1, 82 | 108.3 | 11.8 | 0.0 | 97 | 5-1, 75 | 279.8 | 10.3 | 0.4 | 82 | | | | | |
| 8-1, 136 | 127.9 | 12.0 | 0.0 | 100 | 5-2, 75 | 281.3 | 10.3 | 0.3 | 84 | | | | | |
| 9-1, 44 | 136.4 | 11.6 | 0.1 | 96 | 5-3, 75 | 282.8 | 10.9 | 0.2 | 89 | | | | | |
| 10-2, 50 | 141.0 | 12.0 | 0.1 | 100 | 6-1, 0 | 355.5 | 10.8 | 0.2 | 89 | | | | | |
| 11-1, 106 | 146.6 | 11.5 | 0.0 | 95 | 6-2, 84 | 357.8 | 11.0 | 0.6 | 86 | | | | | |
| 13, CC | 164.6 | 12.0 | 0.0 | 99 | 6-3, 84 | 359.3 | 11.0 | 0.5 | 87 | | | | | |
| 14, CC | 174.1 | 11.9 | 0.0 | 99 | 6-4, 84 | 360.8 | 10.3 | 0.3 | 83 | | | | | |
| 15-1, 123 | 177.2 | 11.5 | 0.2 | 94 | 6-5, 84 | 362.3 | 10.1 | 0.3 | 82 | | | | | |
| 16-1, 106 | 184.6 | 11.8 | 0.0 | 98 | 6-6, 84 | 363.8 | 3.3 | 1.4 | 16 | | | | | |