

**M.C. PAGE**  
**DATA REPORT: BULK CARBONATE CONTENT**

7

**Table T1.** Bulk carbonate content, Hole 1198A, 0–23.69 mbsf. (Continued on next two pages.)

| Core, section,<br>interval (cm) | Depth<br>(mbsf) | Bulk carbonate (wt%) |            |            |         | Standard deviation<br>(wt%) |
|---------------------------------|-----------------|----------------------|------------|------------|---------|-----------------------------|
|                                 |                 | Analysis 1           | Analysis 2 | Analysis 3 | Average |                             |
| 194-1198A-                      |                 |                      |            |            |         |                             |
| 1H-1, 3–5                       | 0.04            | 86.0                 | 85.9       |            | 86.0    | 0.1                         |
| 1H-1, 18–20                     | 0.19            | 89.5                 | 89.4       | 90.2       | 89.7    | 0.4                         |
| 1H-1, 34–36                     | 0.35            | 84.9                 | 84.6       |            | 84.8    | 0.2                         |
| 1H-1, 51–53                     | 0.52            | 88.5                 | 86.1       |            | 87.3    | 1.7                         |
| 1H-1, 66–68                     | 0.67            | 87.2                 | 88.5       | 87.7       | 87.8    | 0.7                         |
| 1H-1, 83–85                     | 0.84            | 87.9                 | 87.9       | 86.8       | 87.5    | 0.6                         |
| 1H-1, 99–101                    | 1.00            | 89.2                 | 90.4       | 89.0       | 89.5    | 0.8                         |
| 1H-1, 112–114                   | 1.13            | 90.7                 | 87.6       |            | 89.2    | 2.2                         |
| 1H-1, 130–132                   | 1.31            | 90.5                 | 90.1       | 91.7       | 90.8    | 0.8                         |
| 1H-1, 144–146                   | 1.45            | 90.8                 | 92.4       | 91.8       | 91.7    | 0.8                         |
| 1H-2, 153–155                   | 1.54            | 85.7                 | 89.6       | 90.2       | 88.5    | 2.4                         |
| 1H-2, 168–170                   | 1.69            | 85.3                 | 88.9       | 88.0       | 87.4    | 1.9                         |
| 1H-2, 184–186                   | 1.85            | 90.3                 | 89.7       |            | 90.0    | 0.4                         |
| 1H-2, 201–203                   | 2.02            | 90.5                 | 90.5       | 87.9       | 89.6    | 1.5                         |
| 1H-2, 216–218                   | 2.17            | 89.1                 | 88.1       |            | 88.6    | 0.7                         |
| 1H-2, 233–235                   | 2.34            | 88.8                 | 89.5       | 91.1       | 89.8    | 1.2                         |
| 1H-2, 249–251                   | 2.50            | 89.8                 | 89.3       |            | 89.6    | 0.4                         |
| 1H-2, 262–264                   | 2.63            | 89.8                 | 91.3       | 92.8       | 91.3    | 1.5                         |
| 1H-2, 280–282                   | 2.81            | 91.0                 | 91.3       |            | 91.2    | 0.2                         |
| 1H-3, 303–305                   | 3.04            | 91.1                 | 91.6       |            | 91.4    | 0.4                         |
| 1H-3, 318–320                   | 3.19            | 90.5                 | 90.2       |            | 90.4    | 0.2                         |
| 1H-3, 334–336                   | 3.35            | 91.5                 | 94.7       | 92.3       | 92.8    | 1.7                         |
| 1H-3, 351–353                   | 3.52            | 90.6                 | 91.5       |            | 91.1    | 0.6                         |
| 1H-3, 366–368                   | 3.67            | 90.0                 | 90.0       | 88.3       | 89.4    | 1.0                         |
| 1H-3, 383–385                   | 3.84            | 87.8                 | 90.1       | 90.2       | 89.4    | 1.4                         |
| 1H-3, 399–401                   | 4.00            | 87.2                 | 87.2       |            | 87.2    | 0.0                         |
| 1H-3, 412–414                   | 4.13            | 83.2                 | 85.1       |            | 84.2    | 1.3                         |
| 1H-3, 430–432                   | 4.31            | 81.6                 | 82.7       |            | 82.2    | 0.8                         |
| 1H-3, 444–446                   | 4.45            | 82.9                 | 85.1       | 85.8       | 84.6    | 1.5                         |
| 1H-4, 453–455                   | 4.54            | 87.2                 | 87.2       | 88.4       | 87.6    | 0.7                         |
| 1H-4, 468–470                   | 4.69            | 84.0                 | 83.4       | 84.9       | 84.1    | 0.8                         |
| 1H-4, 484–486                   | 4.85            | 85.2                 | 83.6       | 86.7       | 85.2    | 1.6                         |
| 2H-1, 503–505                   | 5.04            | 81.7                 | 80.5       |            | 81.1    | 0.8                         |
| 2H-1, 518–520                   | 5.19            | 85.7                 | 83.7       |            | 84.7    | 1.4                         |
| 2H-1, 534–536                   | 5.35            | 81.2                 | 81.5       | 83.8       | 82.2    | 1.4                         |
| 2H-1, 551–553                   | 5.52            | 83.5                 | 84.3       | 86.2       | 84.7    | 1.4                         |
| 2H-1, 566–568                   | 5.67            | 83.8                 | 84.1       | 85.4       | 84.4    | 0.9                         |
| 2H-1, 583–585                   | 5.84            | 85.8                 | 83.6       | 85.6       | 85.0    | 1.2                         |
| 2H-1, 599–601                   | 6.00            | 85.7                 | 86.1       | 85.1       | 85.6    | 0.5                         |
| 2H-1, 612–614                   | 6.13            | 86.5                 | 88.9       |            | 87.7    | 1.7                         |
| 2H-1, 630–632                   | 6.31            | 89.4                 | 88.6       | 93.4       | 90.5    | 2.6                         |
| 2H-1, 644–646                   | 6.45            | 89.1                 | 92.4       | 90.7       | 90.7    | 1.7                         |
| 2H-2, 653–655                   | 6.54            | 91.1                 | 91.1       | 87.9       | 90.0    | 1.8                         |
| 2H-2, 668–670                   | 6.69            | 89.3                 | 88.9       |            | 89.1    | 0.3                         |
| 2H-2, 684–686                   | 6.85            | 90.7                 | 91.7       | 90.0       | 90.8    | 0.9                         |
| 2H-2, 701–703                   | 7.02            | 88.2                 | 89.5       | 88.8       | 88.8    | 0.7                         |
| 2H-2, 716–718                   | 7.17            | 83.8                 | 85.5       | 85.8       | 85.0    | 1.1                         |
| 2H-2, 733–735                   | 7.34            | 79.6                 | 79.9       |            | 79.8    | 0.2                         |
| 2H-2, 749–751                   | 7.50            | 78.4                 | 78.6       |            | 78.5    | 0.1                         |
| 2H-2, 762–764                   | 7.63            | 80.0                 | 80.9       |            | 80.5    | 0.6                         |
| 2H-2, 780–782                   | 7.81            | 82.5                 | 84.0       | 84.0       | 83.5    | 0.9                         |
| 2H-2, 794–796                   | 7.95            | 81.8                 | 82.4       |            | 82.1    | 0.4                         |
| 2H-3, 803–805                   | 8.04            | 83.0                 | 83.0       | 79.3       | 81.8    | 2.1                         |
| 2H-3, 818–820                   | 8.19            | 87.4                 | 89.2       | 86.2       | 87.6    | 1.5                         |
| 2H-3, 834–836                   | 8.35            | 88.1                 | 88.6       |            | 88.4    | 0.4                         |
| 2H-3, 851–853                   | 8.52            | 88.3                 | 90.2       | 87.2       | 88.6    | 1.5                         |
| 2H-3, 866–868                   | 8.67            | 87.3                 | 87.4       |            | 87.4    | 0.1                         |
| 2H-3, 883–885                   | 8.84            | 85.5                 | 84.4       |            | 85.0    | 0.8                         |
| 2H-3, 899–901                   | 9.00            | 85.5                 | 83.2       |            | 84.4    | 1.6                         |
| 2H-3, 912–914                   | 9.13            | 84.9                 | 84.9       | 81.3       | 83.7    | 2.1                         |
| 2H-3, 930–932                   | 9.31            | 87.0                 | 87.6       | 87.4       | 87.3    | 0.3                         |
| 2H-3, 944–946                   | 9.45            | 83.6                 | 82.4       |            | 83.0    | 0.8                         |
| 2H-4, 953–955                   | 9.54            | 83.9                 | 85.8       |            | 84.9    | 1.3                         |
| 2H-4, 968–970                   | 9.69            | 85.7                 | 86.5       |            | 86.1    | 0.6                         |
| 2H-4, 984–986                   | 9.85            | 86.1                 | 86.6       |            | 86.4    | 0.4                         |
| 2H-4, 1001–1003                 | 10.02           | 89.2                 | 89.2       | 88.3       | 88.9    | 0.5                         |
| 2H-4, 1016–1018                 | 10.17           | 89.3                 | 86.0       |            | 87.7    | 2.3                         |
| 2H-4, 1033–1035                 | 10.34           | 88.4                 | 85.5       |            | 87.0    | 2.1                         |

**Table T1 (continued).**

| Core, section,<br>interval (cm) | Depth<br>(mbsf) | Bulk carbonate (wt%) |            |            |         | Standard deviation<br>(wt%) |
|---------------------------------|-----------------|----------------------|------------|------------|---------|-----------------------------|
|                                 |                 | Analysis 1           | Analysis 2 | Analysis 3 | Average |                             |
| 2H-4, 1049–1051                 | 10.50           | 88.5                 | 88.8       | 89.9       | 89.1    | 0.7                         |
| 2H-4, 1062–1064                 | 10.63           | 85.7                 | 86.3       |            | 86.0    | 0.4                         |
| 2H-4, 1080–1082                 | 10.81           | 88.1                 | 86.9       |            | 87.5    | 0.8                         |
| 2H-5, 1103–1105                 | 11.04           | 89.9                 | 91.4       | 89.8       | 90.4    | 0.9                         |
| 2H-5, 1118–1120                 | 11.19           | 86.5                 | 87.4       | 85.8       | 86.6    | 0.8                         |
| 2H-5, 1134–1136                 | 11.35           | 91.1                 | 91.1       | 87.4       | 89.9    | 2.1                         |
| 2H-5, 1151–1153                 | 11.52           | 90.7                 | 92.2       | 93.4       | 92.1    | 1.4                         |
| 2H-5, 1166–1168                 | 11.67           | 90.3                 | 91.3       | 91.6       | 91.1    | 0.7                         |
| 2H-5, 1183–1185                 | 11.84           | 89.3                 | 91.0       |            | 90.2    | 1.2                         |
| 2H-5, 1199–1201                 | 12.00           | 90.0                 | 88.5       | 92.8       | 90.4    | 2.2                         |
| 2H-5, 1212–1214                 | 12.13           | 89.7                 | 89.0       | 92.1       | 90.3    | 1.6                         |
| 2H-5, 1230–1232                 | 12.31           | 89.7                 | 88.4       | 91.6       | 89.9    | 1.6                         |
| 2H-5, 1244–1246                 | 12.45           | 89.3                 | 88.7       | 91.7       | 89.9    | 1.6                         |
| 2H-6, 1253–1255                 | 12.54           | 89.7                 | 90.8       | 90.8       | 90.4    | 0.6                         |
| 2H-6, 1268–1270                 | 12.69           | 89.4                 | 89.0       |            | 89.2    | 0.3                         |
| 2H-6, 1284–1286                 | 12.85           | 90.0                 | 90.0       | 87.9       | 89.3    | 1.2                         |
| 2H-6, 1301–1303                 | 13.02           | 88.7                 | 89.3       | 88.8       | 88.9    | 0.3                         |
| 2H-6, 1316–1318                 | 13.17           | 90.6                 | 89.0       |            | 89.8    | 1.1                         |
| 2H-6, 1333–1335                 | 13.34           | 90.8                 | 88.6       |            | 89.7    | 1.6                         |
| 2H-6, 1349–1351                 | 13.50           | 92.2                 | 90.5       |            | 91.4    | 1.2                         |
| 2H-6, 1362–1364                 | 13.63           | 93.3                 | 93.6       | 95.5       | 94.1    | 1.2                         |
| 2H-6, 1380–1382                 | 13.81           | 92.1                 | 90.8       |            | 91.5    | 0.9                         |
| 2H-6, 1394–1396                 | 13.95           | 92.1                 | 90.2       |            | 91.2    | 1.3                         |
| 2H-7, 1403–1405                 | 14.04           | 91.7                 | 91.1       |            | 91.4    | 0.4                         |
| 2H-7, 1418–1420                 | 14.19           | 91.3                 | 91.3       | 87.3       | 90.0    | 2.3                         |
| 2H-7, 1434–1436                 | 14.35           | 91.4                 | 91.0       |            | 91.2    | 0.3                         |
| 3H-1, 1453–1455                 | 14.54           | 72.6                 | 72.6       | 72.9       | 72.7    | 0.2                         |
| 3H-1, 1468–1470                 | 14.69           | 78.4                 | 76.2       |            | 77.3    | 1.6                         |
| 3H-1, 1484–1486                 | 14.85           | 80.1                 | 78.1       |            | 79.1    | 1.4                         |
| 3H-1, 1501–1503                 | 15.02           | 79.1                 | 79.2       |            | 79.2    | 0.1                         |
| 3H-1, 1516–1518                 | 15.17           | 81.1                 | 79.6       |            | 80.4    | 1.1                         |
| 3H-1, 1533–1535                 | 15.34           | 82.7                 | 80.0       | 80.2       | 81.0    | 1.5                         |
| 3H-1, 1549–1551                 | 15.50           | 83.0                 | 81.3       |            | 82.2    | 1.2                         |
| 3H-1, 1562–1564                 | 15.63           | 87.5                 | 85.8       |            | 86.7    | 1.2                         |
| 3H-1, 1580–1582                 | 15.81           | 85.8                 | 84.7       |            | 85.3    | 0.8                         |
| 3H-1, 1594–1596                 | 15.95           | 88.6                 | 87.0       |            | 87.8    | 1.1                         |
| 3H-2, 1603–1605                 | 16.04           | 88.9                 | 89.2       |            | 89.1    | 0.2                         |
| 3H-2, 1618–1620                 | 16.19           | 88.0                 | 88.1       |            | 88.1    | 0.1                         |
| 3H-2, 1634–1636                 | 16.35           | 90.3                 | 90.3       | 87.3       | 89.3    | 1.7                         |
| 3H-2, 1651–1653                 | 16.52           | 88.9                 | 89.4       |            | 89.2    | 0.4                         |
| 3H-2, 1666–1668                 | 16.67           | 89.7                 | 90.6       |            | 90.2    | 0.6                         |
| 3H-2, 1683–1685                 | 16.84           | 92.0                 | 90.2       |            | 91.1    | 1.3                         |
| 3H-2, 1699–1701                 | 17.00           | 91.6                 | 90.6       |            | 91.1    | 0.7                         |
| 3H-2, 1712–1714                 | 17.13           | 89.2                 | 88.5       |            | 88.9    | 0.5                         |
| 3H-2, 1730–1732                 | 17.31           | 89.8                 | 91.2       |            | 90.5    | 1.0                         |
| 3H-2, 1744–1746                 | 17.45           | 90.2                 | 90.4       |            | 90.3    | 0.1                         |
| 3H-3, 1753–1755                 | 17.54           | 89.4                 | 87.5       |            | 88.5    | 1.3                         |
| 3H-3, 1768–1770                 | 17.69           | 88.7                 | 88.7       | 87.7       | 88.4    | 0.6                         |
| 3H-3, 1784–1786                 | 17.85           | 88.5                 | 87.8       |            | 88.2    | 0.5                         |
| 3H-3, 1801–1803                 | 18.02           | 90.9                 | 89.2       |            | 90.1    | 1.2                         |
| 3H-3, 1816–1818                 | 18.17           | 90.9                 | 89.6       |            | 90.3    | 0.9                         |
| 3H-3, 1833–1835                 | 18.34           | 91.4                 | 90.0       |            | 90.7    | 1.0                         |
| 3H-3, 1849–1851                 | 18.50           | 90.0                 | 90.9       |            | 90.5    | 0.6                         |
| 3H-3, 1862–1864                 | 18.63           | 90.3                 | 90.8       |            | 90.6    | 0.4                         |
| 3H-3, 1880–1882                 | 18.81           | 88.2                 | 89.1       |            | 88.7    | 0.6                         |
| 3H-3, 1894–1896                 | 18.95           | 87.6                 | 87.3       |            | 87.5    | 0.2                         |
| 3H-4, 1903–1905                 | 19.04           | 89.6                 | 90.2       |            | 89.9    | 0.4                         |
| 3H-4, 1918–1920                 | 19.19           | 89.0                 | 89.0       |            | 89.0    | 0.0                         |
| 3H-4, 1934–1936                 | 19.35           | 88.0                 | 89.1       |            | 88.6    | 0.8                         |
| 3H-4, 1951–1953                 | 19.52           | 87.3                 | 89.0       |            | 88.2    | 1.2                         |
| 3H-4, 1966–1968                 | 19.67           | 86.7                 | 87.6       |            | 87.2    | 0.6                         |
| 3H-4, 1983–1985                 | 19.84           | 88.0                 | 88.1       |            | 88.1    | 0.1                         |
| 3H-4, 1999–2001                 | 20.00           | 87.3                 | 87.7       |            | 87.5    | 0.3                         |
| 3H-4, 2012–2014                 | 20.13           | 87.5                 | 87.7       |            | 87.6    | 0.1                         |
| 3H-4, 2030–2032                 | 20.31           | 84.1                 | 84.6       |            | 84.4    | 0.4                         |
| 3H-5, 2053–2055                 | 20.54           | 82.3                 | 85.2       |            | 83.8    | 2.1                         |
| 3H-5, 2068–2070                 | 20.69           | 75.4                 | 79.0       | 77.0       | 77.1    | 1.8                         |
| 3H-5, 2084–2086                 | 20.85           | 89.4                 | 90.4       |            | 89.9    | 0.7                         |
| 3H-5, 2101–2103                 | 21.02           | 88.6                 | 91.0       |            | 89.8    | 1.7                         |

**Table T1 (continued).**

| Core, section,<br>interval (cm) | Depth<br>(mbsf) | Bulk carbonate (wt%) |            |            |         | Standard deviation<br>(wt%) |
|---------------------------------|-----------------|----------------------|------------|------------|---------|-----------------------------|
|                                 |                 | Analysis 1           | Analysis 2 | Analysis 3 | Average |                             |
| 3H-5, 2116–2118                 | 21.17           | 89.5                 | 90.5       |            | 90.0    | 0.7                         |
| 3H-5, 2133–2135                 | 21.34           | 89.5                 | 89.5       | 89.0       | 89.3    | 0.3                         |
| 3H-5, 2149–2151                 | 21.50           | 88.7                 | 92.2       |            | 90.5    | 2.5                         |
| 3H-5, 2162–2164                 | 21.63           | 89.8                 | 92.9       |            | 91.4    | 2.2                         |
| 3H-5, 2180–2182                 | 21.81           | 89.8                 | 93.1       |            | 91.5    | 2.3                         |
| 3H-5, 2194–2196                 | 21.95           | 92.4                 | 92.7       |            | 92.6    | 0.2                         |
| 3H-6, 2203–2205                 | 22.04           | 92.4                 | 93.1       |            | 92.8    | 0.5                         |
| 3H-6, 2218–2220                 | 22.19           | 92.1                 | 91.7       |            | 91.9    | 0.3                         |
| 3H-6, 2234–2236                 | 22.35           | 91.7                 | 92.0       |            | 91.9    | 0.2                         |
| 3H-6, 2251–2253                 | 22.52           | 90.8                 | 90.6       |            | 90.7    | 0.1                         |
| 3H-6, 2266–2268                 | 22.67           | 90.3                 | 90.3       | 90.1       | 90.2    | 0.1                         |
| 3H-6, 2283–2285                 | 22.84           | 87.4                 | 87.0       |            | 87.2    | 0.3                         |
| 3H-6, 2299–2301                 | 23.00           | 90.7                 | 90.7       |            | 90.7    | 0.0                         |
| 3H-6, 2312–2314                 | 23.13           | 87.4                 | 88.7       |            | 88.1    | 0.9                         |
| 3H-6, 2330–2332                 | 23.31           | 86.2                 | 86.5       |            | 86.4    | 0.2                         |
| 3H-7, 2353–2355                 | 23.54           | 85.8                 | 85.8       | 87.1       | 86.2    | 0.8                         |
| 3H-7, 2368–2370                 | 23.69           | 83.9                 | 83.7       |            | 83.8    | 0.1                         |
| Average standard deviation:     |                 |                      |            |            |         | 0.9                         |