

## CalCOFI Cruise 0302

## MACROZOOPLANKTON BIOMASS

Net Mesh Size: 0.505mm

| Line | Sta. | Latitude N | Longitude W | Date<br>Mo/Day | Time (PST) |      | Water Volume<br>Strained (m <sup>3</sup> ) | Max. Tow<br>Depth (m) | Volume per<br>1000 m <sup>3</sup> Strained |                          |
|------|------|------------|-------------|----------------|------------|------|--|-----------------------|--|--------------------------|
|      |      |            |             |                | Start      | End  |  |                       | Total (cm <sup>3</sup> )                   | Small (cm <sup>3</sup> ) |
| 60   | 53   | 37 50.8    | 123 06.3    | 02/22          | 0827       | 0836 | 204  | 83                    | 24   | 24                       |
| 60   | 60   | 37 36.3    | 123 37.6    | 02/22          | 1242       | 1303 | 533  | 190                   | 36   | 36                       |
| 60   | 70   | 37 17.1    | 124 21.6    | 02/22          | 1806       | 1828 | 529  | 196                   | 47   | 47                       |
| 60   | 80   | 36 57.2    | 125 04.2    | 02/22          | 2330       | 2352 | 481  | 212                   | 96   | 96                       |
| 60   | 90   | 36 37.8    | 125 47.0    | 02/23          | 0451       | 0512 | 482  | 210                   | 83   | 83                       |
| 60   | 100  | 36 16.9    | 126 29.2    | 02/23          | 1026       | 1048 | 478  | 210                   | 59   | 59                       |
| 63   | 52   | 37 18.9    | 122 38.0    | 02/22          | 0221       | 0230 | 197  | 84                    | 86   | 86                       |
| 63   | 55   | 37 12.8    | 122 51.0    | 02/21          | 2344       | 0006 | 459  | 216                   | 57   | 57                       |
| 63   | 60   | 37 02.6    | 123 12.0    | 02/21          | 2030       | 2052 | 494  | 207                   | 61   | 61                       |
| 63   | 70   | 36 42.4    | 123 54.9    | 02/21          | 1422       | 1444 | 454  | 216                   | 42   | 42                       |
| 63   | 80   | 36 23.4    | 124 38.5    | 02/21          | 0814       | 0836 | 492  | 212                   | 47   | 47                       |
| 63   | 90   | 36 02.9    | 125 20.8    | 02/20          | 0439       | 0501 | 493  | 201                   | 83   | 83                       |
| 63   | 100  | 35 43.3    | 126 03.5    | 02/19          | 2225       | 2247 | 465  | 214                   | 58   | 58                       |
| 67   | 50   | 36 47.8    | 122 03.4    | 02/18          | 0622       | 0633 | 227  | 94                    | 88   | 88                       |
| 67   | 55   | 36 37.3    | 122 25.4    | 02/18          | 1247       | 1309 | 447  | 209                   | 47   | 47                       |
| 67   | 60   | 36 27.2    | 122 46.8    | 02/18          | 1614       | 1636 | 438  | 212                   | 34   | 34                       |
| 67   | 70   | 36 07.7    | 123 29.5    | 02/18          | 2201       | 2222 | 436  | 217                   | 103  | 103                      |
| 67   | 80   | 35 46.9    | 124 12.3    | 02/19          | 0348       | 0410 | 472  | 210                   | 121  | 121                      |
| 67   | 90   | 35 27.2    | 124 53.8    | 02/19          | 0917       | 0938 | 425  | 212                   | 47   | 47                       |
| 67   | 100  | 35 07.4    | 125 36.4    | 02/19          | 1510       | 1532 | 439  | 211                   | 18   | 18                       |
| 70   | 51   | 36 11.0    | 121 43.6    | 02/18          | 0020       | 0031 | 229  | 106                   | 109  | 109                      |
| 70   | 55   | 36 03.1    | 122 01.7    | 02/17          | 2045       | 2106 | 504  | 209                   | 62   | 62                       |
| 70   | 60   | 35 53.1    | 122 22.7    | 02/17          | 1730       | 1752 | 491  | 211                   | 39   | 39                       |
| 70   | 70   | 35 32.8    | 123 05.4    | 02/17          | 1131       | 1153 | 496  | 209                   | 48   | 48                       |
| 70   | 80   | 35 12.9    | 123 47.4    | 02/17          | 0541       | 0603 | 489  | 215                   | 47   | 47                       |
| 70   | 90   | 34 52.5    | 124 29.5    | 02/16          | 2352       | 0014 | 462  | 211                   | 39   | 39                       |
| 70   | 100  | 34 33.3    | 125 10.8    | 02/16          | 1821       | 1842 | 474  | 213                   | 27   | 27                       |
| 73   | 50   | 35 38.5    | 121 16.3    | 02/15          | 0803       | 0807 | 95   | 30                    | 74   | 74                       |
| 73   | 55   | 35 28.1    | 121 36.6    | 02/15          | 1040       | 1102 | 429  | 211                   | 82   | 49                       |
| 73   | 60   | 35 18.3    | 121 57.4    | 02/15          | 1416       | 1438 | 459  | 214                   | 41   | 41                       |
| 73   | 70   | 34 58.4    | 122 40.1    | 02/15          | 1951       | 2013 | 472  | 213                   | 102  | 102                      |
| 73   | 80   | 34 37.8    | 123 21.9    | '02/16         | 0204       | 0225 | 458  | 216                   | 98   | 98                       |
| 73   | 90   | 34 18.3    | 124 04.5    | '02/16         | 0734       | 0756 | 465  | 211                   | 49   | 49                       |
| 73   | 100  | 33 58.3    | 124 47.6    | '02/16         | 1247       | 1309 | 483  | 213                   | 79   | 79                       |
| 77   | 49   | 35 04.7    | 120 46.6    | 02/15          | 0233       | 0239 | 135  | 56                    | 74   | 74                       |
| 77   | 51   | 35 00.7    | 120 55.5    | 02/15          | 0003       | 0025 | 498  | 210                   | 108  | 108                      |
| 77   | 55   | 34 54.6    | 121 13.6    | 02/14          | 2021       | 2043 | 516  | 209                   | 29   | 29                       |
| 77   | 60   | 34 43.4    | 121 34.0    | 02/14          | 1558       | 1620 | 496  | 209                   | 22   | 22                       |
| 77   | 70   | 34 23.2    | 122 15.4    | 02/14          | 0827       | 0849 | 473  | 210                   | 38   | 38                       |
| 77   | 80   | 34 03.6    | 122 56.4    | 02/14          | 0106       | 0127 | 482  | 213                   | 37   | 37                       |
| 77   | 90   | 33 43.8    | 123 39.4    | 02/13          | 1830       | 1852 | 495  | 213                   | 30   | 30                       |
| 77   | 100  | 33 23.2    | 124 19.9    | 02/13          | 1209       | 1231 | 500  | 211                   | 16   | 16                       |
| 80   | 51   | 34 27.6    | 120 33.1    | 02/11          | 0446       | 0453 | 184  | 64                    | 120  | 120                      |
| 80   | 60   | 34 09.0    | 121 09.0    | 02/24          | 1548       | 1610 | 471  | 208                   | 32   | 32                       |
| 80   | 70   | 33 49.2    | 121 49.8    | 02/12          | 0833       | 0854 | 509  | 211                   | 26   | 26                       |
| 80   | 80   | 33 27.7    | 122 31.3    | 02/12          | 1700       | 1722 | 508  | 210                   | 8  | 8                        |
| 80   | 90   | 33 08.7    | 123 13.     | 02/12          | 2313       | 2334 | 477  | 213                   | 42   | 42                       |
| 80   | 100  | 32 49.5    | 123 54.3    | 02/13          | 0544       | 0605 | 450  | 212                   | 73   | 73                       |
| 82   | 47   | 34 16.3    | 120 01.0    | 02/10          | 2355       | 0017 | 437  | 220                   | 43   | 43                       |
| 83   | 40.6 | 34 14.0    | 119 24.4    | 02/10          | 0929       | 0932 | 62   | 20                    | 32   | 32                       |
| 83   | 42   | 34 11.2    | 119 30.7    | 02/10          | 0759       | 0809 | 222  | 101                   | 77   | 77                       |
| 83   | 51   | 33 53.1    | 120 09.2    | 02/10          | 0158       | 0208 | 230  | 96                    | 74   | 74                       |
| 83   | 55   | 33 44.6    | 120 26.0    | 02/09          | 2228       | 2250 | 466  | 214                   | 32   | 32                       |
| 83   | 60   | 33 34.8    | 120 46.6    | 02/09          | 1807       | 1828 | 458  | 210                   | 52   | 52                       |
| 83   | 70   | 33 14.6    | 121 25.4    | 02/09          | 1148       | 1209 | 449  | 213                   | 33   | 33                       |
| 83   | 80   | 32 55.5    | 122 07.0    | 02/09          | 0558       | 0620 | 468  | 210                   | 53   | 53                       |
| 83   | 90   | 32 35.0    | 122 47.6    | 02/09          | 0020       | 0042 | 472  | 212                   | 32   | 32                       |
| 83   | 100  | 32 15.3    | 123 29.4    | 02/08          | 1823       | 1845 | 454  | 210                   | 46   | 46                       |
| 83   | 110  | 31 55.2    | 124 09.8    | 02/08          | 1221       | 1243 | 453  | 216                   | 29   | 29                       |

| Line | Sta. | Latitude N | Longitude W | Date  | Time (PST) |       | Water Volume<br>Strained (m <sup>3</sup> ) | Max. Tow<br>Depth (m) | Volume per<br>1000 m <sup>3</sup> Strained |                          |
|------|------|------------|-------------|-------|------------|-------|--|-----------------------|--|--------------------------|
|      |      |            |             |       | Mo/Day     | Start |  |                       | End  | Total (cm <sup>3</sup> ) |
| 87   | 33   | 33 53.5    | 118 29.0    | 02/06 | 0107       | 0112  | 118  | 49                    | 42   | 42                       |
| 87   | 35   | 33 49.6    | 118 37.5    | 02/06 | 0343       | 0404  | 448  | 210                   | 47   | 47                       |
| 87   | 40   | 33 39.3    | 118 59.7    | 02/06 | 0806       | 0828  | 435  | 214                   | 37   | 37                       |
| 87   | 45   | 33 29.1    | 119 18.7    | 02/06 | 1212       | 1233  | 437  | 213                   | 39   | 39                       |
| 87   | 50   | 33 20.3    | 119 38.8    | 02/06 | 1555       | 1604  | 166  | 67                    | 54   | 54                       |
| 87   | 55   | 33 09.1    | 119 58.8    | 02/06 | 2005       | 2027  | 469  | 214                   | 34   | 34                       |
| 87   | 60   | 32 58.9    | 120 20.6    | 02/07 | 0025       | 0046  | 443  | 214                   | 68   | 68                       |
| 87   | 70   | 32 38.3    | 121 02.2    | 02/07 | 0610       | 0631  | 470  | 209                   | 53   | 53                       |
| 87   | 80   | 32 19.0    | 121 42.1    | 02/07 | 1211       | 1233  | 472  | 210                   | 25   | 25                       |
| 87   | 90   | 31 59.7    | 122 24.7    | 02/07 | 1814       | 1836  | 489  | 223                   | 27   | 27                       |
| 87   | 100  | 31 40.2    | 123 04.8    | 02/08 | 0007       | 0029  | 475  | 213                   | 40   | 40                       |
| 87   | 110  | 31 19.7    | 123 44.5    | 02/08 | 0605       | 0627  | 458  | 213                   | 46   | 46                       |
| 90   | 28   | 33 29.1    | 117 47.2    | 02/05 | 1816       | 1838  | 463  | 211                   | 136  | 125                      |
| 90   | 30   | 33 25.1    | 117 54.7    | 02/05 | 1532       | 1553  | 459  | 211                   | 20   | 20                       |
| 90   | 35   | 33 15.2    | 118 14.8    | 02/05 | 1143       | 1204  | 455  | 210                   | 20   | 20                       |
| 90   | 37   | 33 11.2    | 118 23.1    | 02/05 | 0854       | 0916  | 438  | 214                   | 50   | 50                       |
| 90   | 45   | 32 55.8    | 118 57.0    | 02/05 | 0327       | 0348  | 454  | 212                   | 24   | 24                       |
| 90   | 53   | 32 38.4    | 119 29.0    | 02/04 | 2207       | 2229  | 463  | 211                   | 67   | 67                       |
| 90   | 60   | 32 25.3    | 119 57.1    | 02/04 | 1715       | 1737  | 449  | 210                   | 51   | 51                       |
| 90   | 70   | 32 05.5    | 120 39.2    | 02/04 | 1119       | 1141  | 466  | 211                   | 26   | 26                       |
| 90   | 80   | 31 45.0    | 121 19.2    | 02/04 | 0441       | 0502  | 462  | 210                   | 37   | 37                       |
| 90   | 90   | 31 24.6    | 121 58.8    | 02/03 | 2234       | 2256  | 460  | 216                   | 46   | 46                       |
| 90   | 100  | 31 05.2    | 122 39.3    | 02/03 | 1622       | 1643  | 474  | 210                   | 40   | 40                       |
| 90   | 110  | 30 45.8    | 123 20.5    | 02/03 | 0824       | 0846  | 473  | 212                   | 19   | 19                       |
| 90   | 120  | 30 25.9    | 123 59.5    | 02/03 | 0047       | 0108  | 490  | 212                   | 27   | 27                       |
| 93   | 26.7 | 32 57.9    | 117 19.1    | 01/30 | 1519       | 1541  | 478  | 209                   | 33   | 33                       |
| 93   | 28   | 32 54.6    | 117 23.8    | 01/30 | 1832       | 1854  | 461  | 211                   | 28   | 28                       |
| 93   | 30   | 32 50.6    | 117 32.3    | 01/30 | 2200       | 2222  | 476  | 211                   | 67   | 67                       |
| 93   | 35   | 32 41.1    | 117 53.3    | 01/31 | 0205       | 0227  | 467  | 213                   | 47   | 47                       |
| 93   | 40   | 32 31.0    | 118 12.7    | 01/31 | 0555       | 0616  | 461  | 210                   | 46   | 46                       |
| 93   | 45   | 32 21.1    | 118 34.0    | 01/31 | 0855       | 0917  | 452  | 210                   | 35   | 35                       |
| 93   | 50   | 32 10.5    | 118 53.3    | 01/31 | 1426       | 1448  | 472  | 228                   | 17   | 17                       |
| 93   | 55   | 32 00.9    | 119 14.1    | 01/31 | 1829       | 1850  | 466  | 209                   | 28   | 28                       |
| 93   | 60   | 31 51.3    | 119 34.2    | 01/31 | 2239       | 2301  | 451  | 214                   | 38   | 38                       |
| 93   | 70   | 31 31.6    | 120 14.7    | 02/01 | 0502       | 0524  | 476  | 212                   | 92   | 92                       |
| 93   | 80   | 31 11.6    | 120 54.4    | 02/01 | 1136       | 1158  | 434  | 215                   | 16   | 16                       |
| 93   | 90   | 30 51.2    | 121 35.3    | 02/01 | 1803       | 1825  | 501  | 222                   | 26   | 26                       |
| 93   | 100  | 30 31.1    | 122 16.0    | 02/02 | 0022       | 0043  | 519  | 206                   | 42   | 42                       |
| 93   | 110  | 30 11.4    | 122 56.2    | 02/02 | 0829       | 0851  | 497  | 217                   | 22   | 22                       |
| 93   | 120  | 29 51.0    | 123 35.9    | 02/02 | 1705       | 1727  | 477  | 217                   | 19   | 19                       |