

CENTRAL FILE

A SUMMARY OF THE CHLOROPHYLL MEASUREMENTS
MADE DURING THE WIECZNO 80-02 SURVEY

by

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Introduction

Samples were collected to determine phytoplankton biomass concentrations in shelf water from Long Island to Nova Scotia. Water was collected at 92 stations sampled during the Wieczno 80-02 survey from 20 February to 10 March 1980 (Figure 1).

Methods

Water was generally collected from the surface, 5, 10, 15, 20, 25, 30, 35, 50, and 75 meters and bottom if the bottom depth was less than 75 meters. After collection, water was serially filtered through a 20 um Nitex filter and a 0.7 um mesh GF/F glass fiber filter to fractionate the phytoplankton samples into netplankton and nanoplankton size classes. By definition, netplankton are retained on the 20 um mesh; nanoplankton pass through the 20 um mesh and are retained on the 0.7 um mesh glass fiber filter. After water passed through both filters, netphytoplankton and nanophytoplankton with their respective filters were ground in 90% acetone to break cells and release chlorophyll into solution. Samples were then centrifuged. The fluorescence of the resulting chlorophyll extract before and after acidification was measured and recorded.

The concentration of chlorophyll a and phaeophytin a in netphytoplankton and nanophytoplankton size fractions for each sampling depth was calculated using equations and computer programs described by Evans and O'Reilly (1980). The "total" chlorophyll a and phaeophytin a estimates are derived by adding the concentrations of these pigments measured in netphytoplankton and nanophytoplankton fractions at each sampling depth. An average concentration of chlorophyll a at each station was computed by arithmetically integrating pigment concentrations over depth and then dividing the integral by the deepest sampling depth.

The percentage of biomass due to nanoplankton was calculated to determine the size fraction that was the major biomass contributor throughout the water column. The average chlorophyll (mg m⁻³) found in the nanoplankton fraction was divided by the average total chlorophyll a (mg m⁻³) for each station and multiplied by 100.

Results and Discussion

The distribution of average total chlorophyll a (mg m⁻³) and percentage nanoplankton measured during the Wieczno 80-02 survey are presented in Figures 2 and 3. Pigment data (chlorophyll a, phaeophytin a, and Fo/Fa) are presented by station and depth in Table 1. Water column averages (chlorophyll a and phaeophytin a) are presented in Table 2.

Average water column chlorophyll a. Between February 20-March 10, 1980 the highest average water column concentrations of biomass were found at the center of Georges Bank, southeast of Nantucket Shoals, and south of the mouth of Block Island Sound, 8.5 mgChla m⁻³, 7.3 mgChla m⁻³, and 6.3 mgChla m⁻³, respectively. Elevated concentrations were also found in Massachusetts Bay (4.7 mgChla m⁻³). The lowest concentrations of chlorophyll (0.2-0.4 mgChla m⁻³) were found in the northern part of the Gulf of Maine, and at stations sampled at the southern edge of Georges Bank near the 200 meter isobath (Figure 2).

The distribution of phytoplankton biomass on Georges Bank formed a pattern consistent with the pattern found during most surveys over Georges Bank. Biomass concentrations were highest over central and shoal areas of the Bank where bottom depth was less than 60 meters (Figure 2). Concentrations decreased north and south from the center to the periphery of the Bank where they were the lowest (northern edge - 0.7 mgChla m⁻³, southern edge - 0.7 mgChla m⁻³). The eastern part of the Bank was not sampled.

The biomass concentrations west of Georges Bank, south of Cape Cod, also decrease from the shore to the edge of the shelf with the exception of areas adjacent to Narragansett Bay and Long Island where biomass was lower than surrounding water.

In general, during the late winter period sampled during the Wieczno survey, an inverse relationship existed between average water column concentration of chlorophyll a and depth at stations where bottom was less than 75 meters (Figure 4). In the deeper water (bottom depth >75 meters), chlorophyll concentrations in the upper 75 meters averaged around 0.5 mg m^{-3} regardless of depth. Steemann-Nielsen (1962) and Takahashi and Parsons (1972) have proposed a theoretical maximum standing stock of chlorophyll a of 300 mg m^{-2} for natural oceanic environments. Integrated chlorophyll a concentrations (upper 75 meters) exceeded $200 \text{ mg chlorophyll a m}^{-2}$ at stations 23, 24, 27 off Cape Cod and at station 50 on Georges Bank, and at station 87 off eastern tip of Long Island, New York (Figure 1). On Georges Bank at station 50, integrated standing stocks of chlorophyll a were 246 mg m^{-2} .

Relative abundance of netphytoplankton and nanrophytoplankton.

Netphytoplankton were the dominant phytoplankton in the water column in greater than one-half of the area sampled. They were extremely dominant in relatively shallow water nearshore north of Cape Cod, at the mouth of Long Island Sound, and in the center of the western part of Georges Bank, accounting for 95, 92, and 92% of the average biomass found in the water column, respectively. These areas of extreme netplankton dominance coincided with areas of highest averaged biomass concentrations and may

reflect those areas that underwent spring bloom of diatoms the earliest (Figures 2 and 3) (Gieskes and Kraay, 1975).

On Georges Bank, netphytoplankton were dominant throughout most of the northern, western, and central parts of the Bank, accounting for 65% (north) and between 85-92% (west and central) of total biomass. A strong gradient from netphytoplankton-dominated (92% netphytoplankton) to nanophytoplankton-dominated (10% netphytoplankton) communities existed between the center of the Bank and the shelf break on the southern flank of the Bank (Figure 3).

A gradient in community structure similar to that found on southern Georges Bank was found on the shelf south of Cape Cod and seemed to be a western extension of Georges Bank. Inshore communities were dominated by netphytoplankton (85% netphytoplankton); nanophytoplankton were dominant in deeper water toward the edge of the shelf.

In the Gulf of Maine, the area of strong netphytoplankton dominance covered a proportionately less extensive area than on Georges Bank and was confined to the relatively shallower coastal areas. In the center of the Gulf, neither netphytoplankton nor nanophytoplankton were strongly dominant.

Extreme dominance by nanophytoplankton occurred toward the northeast of the area sampled (near the Bay of Fundy) and coincided with low averaged biomass concentrations (Figures 2 and 3). Nanophytoplankton were also dominant along the southern flank of Georges Bank where total chlorophyll a concentrations were low.

Vertical distribution of phytoplankton. In two areas sampled on the Wieczno cruise the center of Georges Bank and the inshore water between

Cape Ann and the eastern side of Cape Cod in the Gulf of Maine, netphytoplankton accounted for at least 90% of the averaged water column community biomass. Some differences existed between these two netplankton areas regarding the vertical distribution of netplankton.

In the netphytoplankton-dominated center of Georges Bank, biomass (total) was evenly distributed throughout the water column, except near bottom, where biomass concentration was slightly lower than in the upper water column. Nannophytoplankton were present in lower concentrations and were also evenly distributed throughout the water column. The netphytoplankton F_o/F_a (acidification ratio) exceeded 2.0 indicating that the predominant pigment in this size fraction was chlorophyll a rather than phaeophytin a. In the nannophytoplankton community size fraction, chlorophyll and phaeophytin were present in approximately equal amounts (F_o/F_a 1.66). This may be interpreted to mean that nannoplankton were growing slower than netplankton and/or grazing pressure was greater on nannophytoplankton than netphytoplankton.

As on Georges Bank, the netphytoplankton was strongly dominant throughout the water column in the inshore community off Massachusetts and accounted for changes in total biomass, but the vertical distribution of biomass was different from that on Georges Bank. Biomass was present in layers of alternating low and high concentrations. Concentrations in the surface layer were usually relatively low. Layers with elevated biomass usually began between 15-20 meters and occupied intervals of 10-20 meters. Biomass concentrations on the bottom seemed to be slightly elevated rather than lower as observed on Georges Bank.

Spring versus summer. For purposes of comparison, data collected in June 1980 were examined and compared with data collected on the Wieczno 80-02. In June, the Gulf of Maine community structure was reversed from that observed in spring. The highest percent nanrophytoplankton and thus the lowest percent netphytoplankton was found inshore where netphytoplankton had been strongly dominant the previous spring (Wieczno 80-02) (c.f. Figures 3, 6). Fo/Fa in the netphytoplankton fraction was also low indicating that pigments in the net fraction were predominantly phaeophytin a rather than chlorophyll a. The Fo/Fa of the dominant nanrophytoplankton fraction was relatively higher as was the community Fo/Fa.

On Georges Bank, netphytoplankton dominated the central areas of the Bank during both the late winter (Wieczno 80-02) and summer survey (Delaware 80-03/Evrika 80-04). However, in June, netphytoplankton did not strongly dominate the central areas of Georges Bank, as they did in late winter. The gradient in phytoplankton community size-composition from the central areas to the periphery of Georges Bank was much steeper in late winter than in June.

On Georges Bank, phytoplankton biomass was homogeneously distributed throughout the water column during both the late winter and June surveys, except near the periphery of the Bank during summer. In the Gulf of Maine, in the upper 75 meters of the water column, phytoplankton biomass was not vertically stratified during late winter, but was strongly stratified during the June survey. Generally, in June, biomass concentrations increased from surface to approximately 20 meters where the highest chlorophyll concentrations were observed on or in the

pycnocline. An immediate two-threefold decrease in biomass was found at the next depth sampled, usually 25-30 meters.

References

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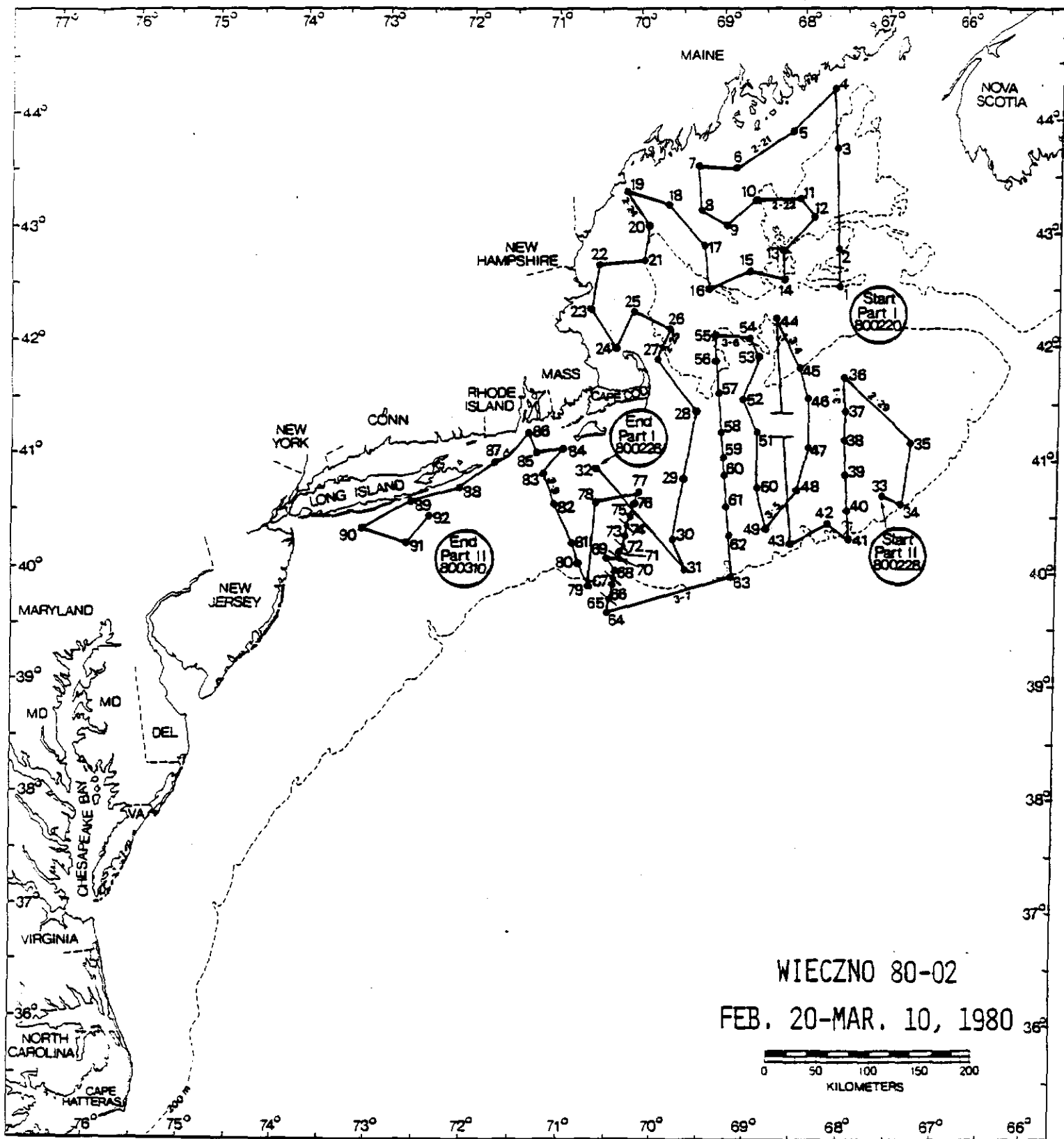


Figure 1. Cruise track for Wieczno 80-02, February 20-March 10, 1980.

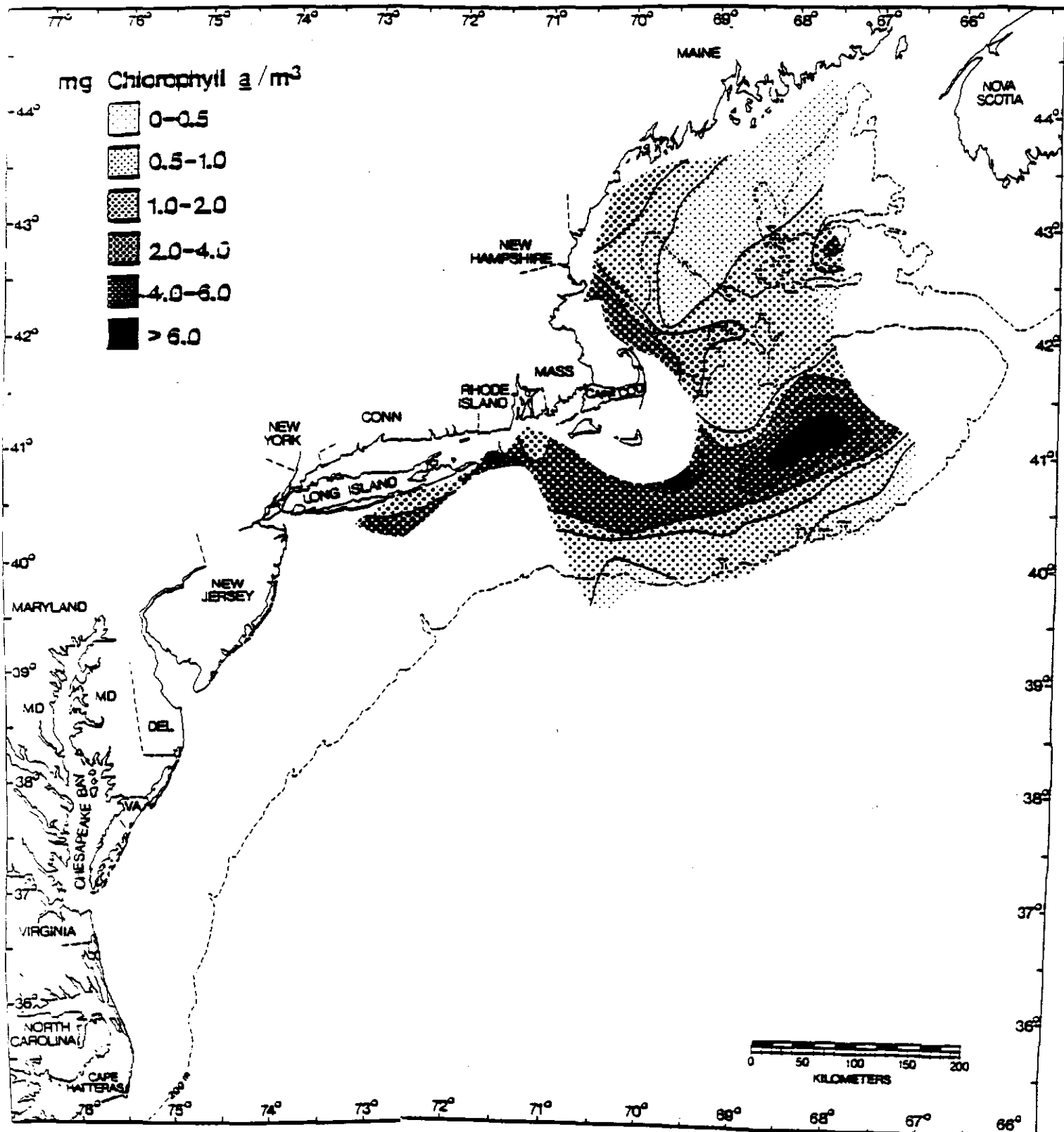


Figure 2. Distribution of chlorophyll *a* during Wieczno 80-02, February 20-March 10, 1980.

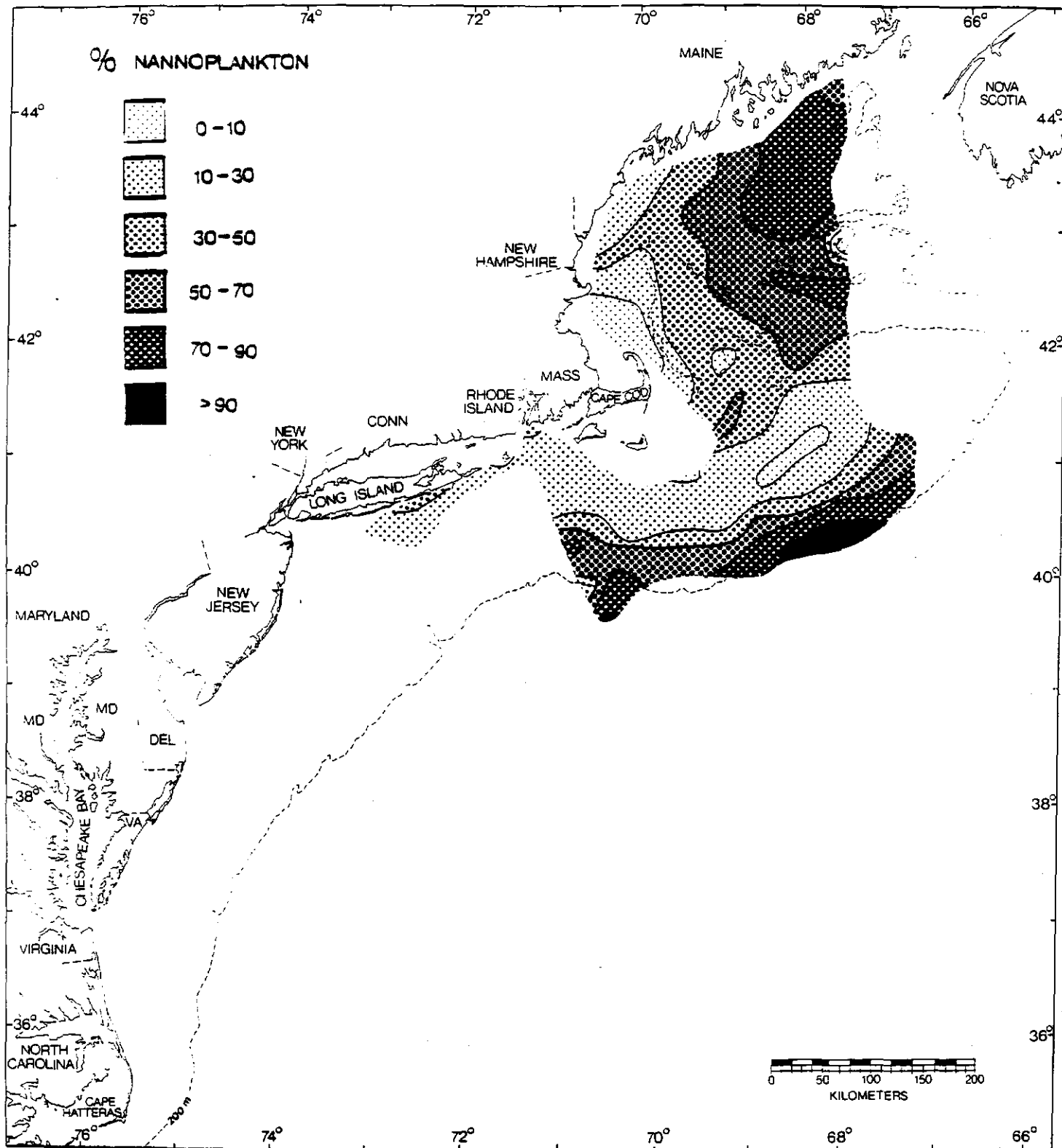


Figure 3. Percentage of total biomass represented by nannophytoplankton during Wieczno 80-02, February 20-March 10, 1980.

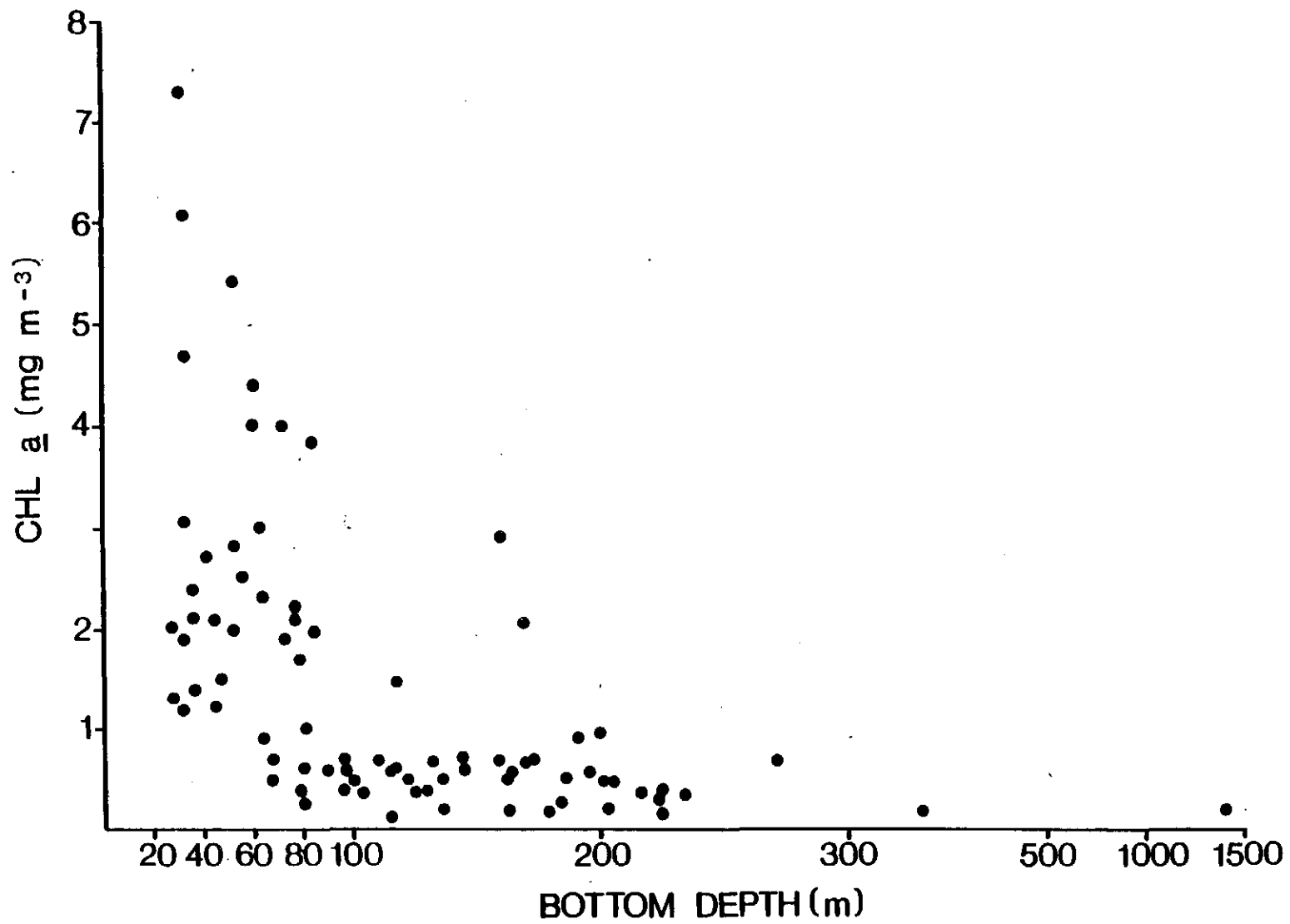


Figure 4. Total chlorophyll a (mg m⁻³) plotted against bottom depth during Wieczno 80-02, February 20-March 10, 1980.

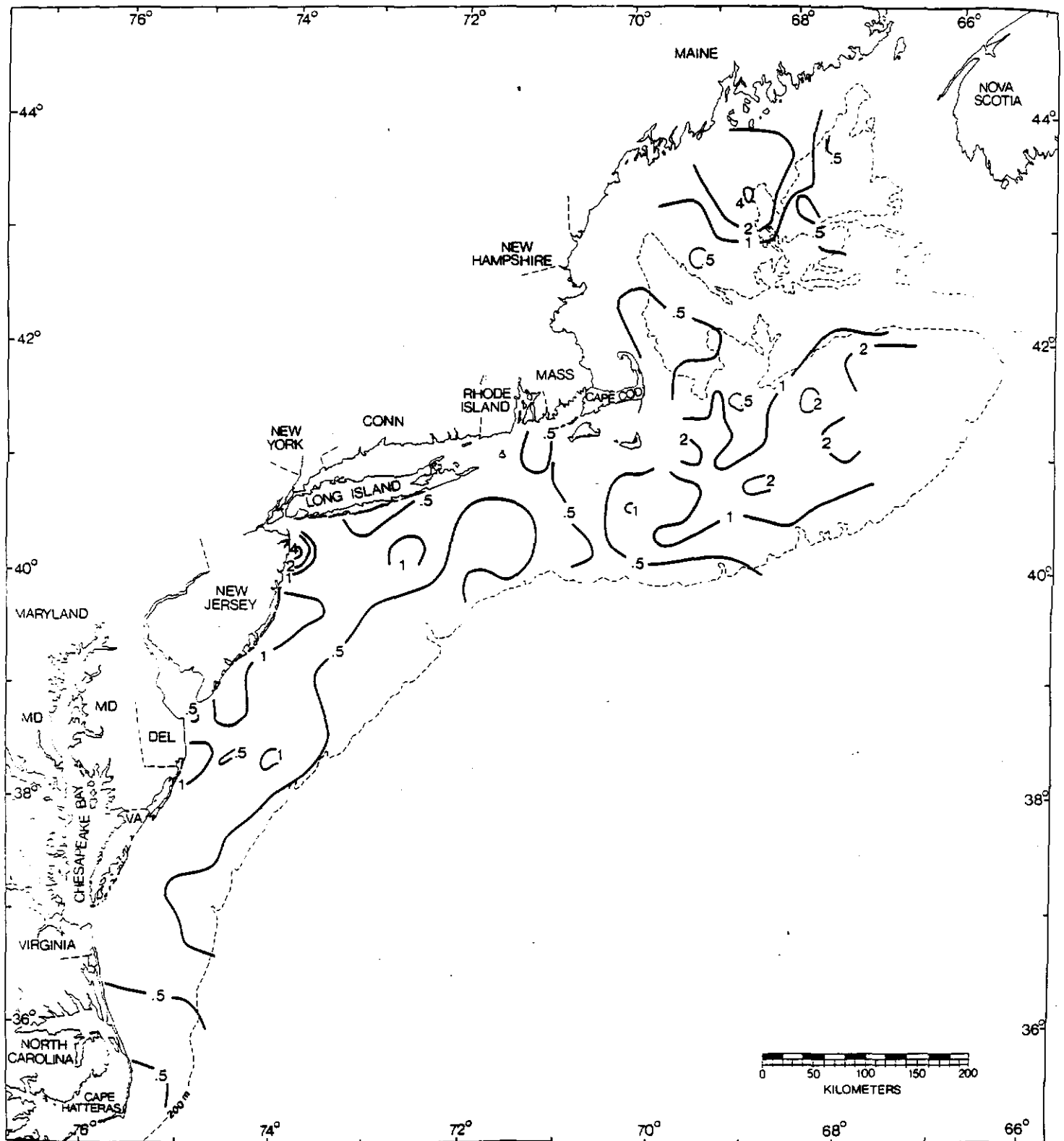


Figure 5. Distribution of chlorophyll a during Delaware 80-03/Evrika 30-04, May 23- June 29, 1930.

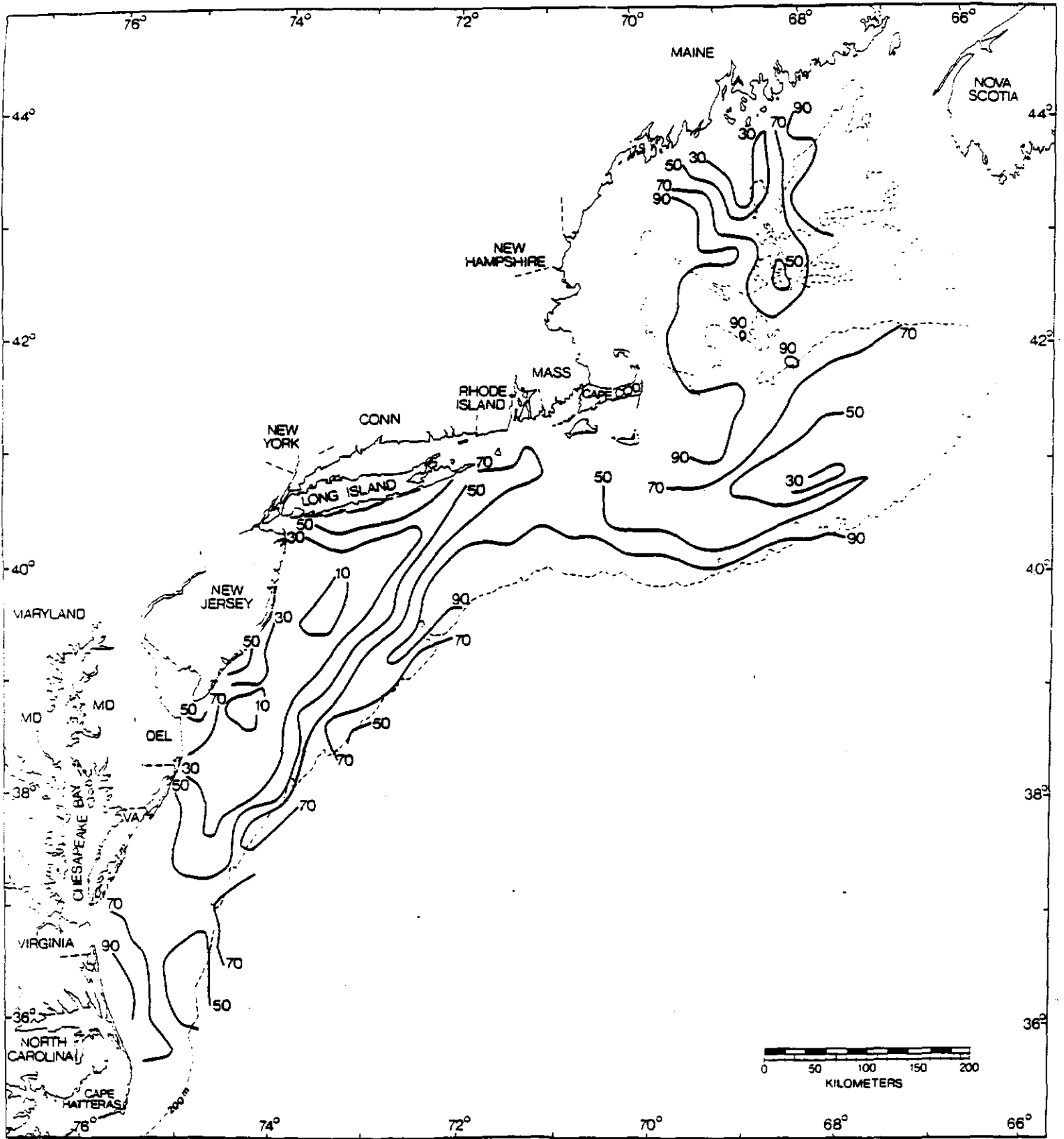


Figure 6. Percentage of total biomass represented by nannophytoplankton during Delaware 80-03/Evrika 80-04, May 23-June 29, 1980.

TABLE 1. Concentrations of netphytoplankton, nanrophytoplankton, and total chlorophyll a (mg m^{-3}) and phaeophytin a (mg m^{-3}), acidification ratios (F_o/F_a), and percentage nanrophytoplankton by depth.

| DATE YR MO DY | TIME EST | CONSEC. STATION | SAMPLE DEPTH | NETPHYTOPLANKTON MG/M3 | | | NANNOPHYTOPLANKTON MG/M3 | | | TOTAL PHYTOPLANKTON MG/M3 | | | % NANNOPHYTOPLANKTON |
|------------------|-------------|--------------------|-----------------|---------------------------|-------|-------|-----------------------------|-------|-------|------------------------------|-------|-------|----------------------|
| | | | | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | |
| 80/ 2/20 | 0627 | 1 | 1. | 0.08 | 0.03 | 1.94 | 0.20 | 0.13 | 1.79 | 0.28 | 0.17 | 1.83 | 71.43 |
| 80/ 2/20 | 0627 | 1 | 5. | 0.06 | 0.01 | 2.07 | 0.31 | 0.23 | 1.76 | 0.37 | 0.24 | 1.80 | 83.78 |
| 80/ 2/20 | 0627 | 1 | 10. | 0.05 | 0.01 | 2.10 | 0.20 | 0.12 | 1.82 | 0.24 | 0.13 | 1.86 | 83.33 |
| 80/ 2/20 | 0627 | 1 | 15. | 0.04 | 0.02 | 1.89 | 0.20 | 0.13 | 1.81 | 0.24 | 0.15 | 1.82 | 83.33 |
| 80/ 2/20 | 0627 | 1 | 20. | 0.04 | 0.02 | 1.92 | 0.33 | 0.23 | 1.78 | 0.36 | 0.24 | 1.79 | 91.67 |
| 80/ 2/20 | 0627 | 1 | 25. | 0.05 | 0.02 | 1.89 | 0.24 | 0.15 | 1.81 | 0.29 | 0.18 | 1.82 | 82.76 |
| 80/ 2/20 | 0627 | 1 | 30. | 0.06 | 0.03 | 1.86 | 0.14 | 0.10 | 1.78 | 0.20 | 0.13 | 1.81 | 70.00 |
| 80/ 2/20 | 0627 | 1 | 35. | 0.06 | 0.03 | 1.93 | 0.24 | 0.13 | 1.85 | 0.30 | 0.16 | 1.86 | 80.00 |
| 80/ 2/20 | 0627 | 1 | 50. | 0.04 | 0.02 | 1.90 | 0.19 | 0.11 | 1.83 | 0.22 | 0.13 | 1.84 | 86.36 |
| 80/ 2/20 | 0627 | 1 | 75. | 0.02 | 0.01 | 1.81 | 0.05 | 0.04 | 1.70 | 0.07 | 0.06 | 1.73 | 71.43 |
| 80/ 2/20 | 1147 | 2 | 1. | 0.08 | 0.02 | 2.03 | 0.14 | 0.09 | 1.80 | 0.22 | 0.11 | 1.87 | 63.64 |
| 80/ 2/20 | 1147 | 2 | 5. | 0.04 | 0.01 | 1.96 | 0.10 | 0.06 | 1.81 | 0.14 | 0.08 | 1.84 | 71.43 |
| 80/ 2/20 | 1147 | 2 | 10. | 0.01 | 0.11 | 1.14 | 0.15 | 0.13 | 1.71 | 0.17 | 0.24 | 1.54 | 88.24 |
| 80/ 2/20 | 1147 | 2 | 15. | 12.57 | 7.24 | 1.84 | 0.13 | 0.09 | 1.80 | 12.70 | 7.33 | 1.84 | 1.02 |
| 80/ 2/20 | 1147 | 2 | 20. | 0.06 | 0.01 | 2.09 | 0.10 | 0.54 | 1.21 | 0.16 | 0.55 | 1.30 | 62.50 |
| 80/ 2/20 | 1147 | 2 | 25. | 0.08 | 0.02 | 2.10 | 0.18 | 0.17 | 1.67 | 0.26 | 0.19 | 1.77 | 69.23 |
| 80/ 2/20 | 1147 | 2 | 30. | 16.29 | 6.93 | 1.93 | 0.13 | 0.09 | 1.80 | 16.43 | 7.01 | 1.93 | 0.79 |
| 80/ 2/20 | 1147 | 2 | 35. | 0.02 | 0.03 | 1.50 | 0.11 | 0.07 | 1.78 | 0.13 | 0.11 | 1.72 | 84.62 |
| 80/ 2/20 | 1147 | 2 | 50. | 0.05 | 0.01 | 2.06 | 0.18 | 0.13 | 1.78 | 0.23 | 0.14 | 1.83 | 78.26 |
| 80/ 2/20 | 1147 | 2 | 75. | 0.01 | 0.00 | 2.00 | 0.12 | 0.11 | 1.67 | 0.13 | 0.12 | 1.70 | 92.31 |
| 80/ 2/20 | 1825 | 3 | 1. | 0.04 | 0.02 | 1.92 | 0.25 | 0.14 | 1.84 | 0.29 | 0.16 | 1.85 | 86.21 |
| 80/ 2/20 | 1825 | 3 | 5. | 0.07 | 0.02 | 2.00 | 0.47 | 0.27 | 1.84 | 0.54 | 0.29 | 1.85 | 87.04 |
| 80/ 2/20 | 1825 | 3 | 10. | 0.02 | 0.00 | 2.14 | 0.49 | 0.28 | 1.84 | 0.51 | 0.28 | 1.85 | 96.08 |
| 80/ 2/20 | 1825 | 3 | 15. | 0.07 | 0.02 | 2.00 | 0.47 | 0.23 | 1.88 | 0.54 | 0.26 | 1.90 | 87.04 |
| 80/ 2/20 | 1825 | 3 | 20. | 0.01 | 0.01 | 1.66 | 0.35 | 0.21 | 1.82 | 0.36 | 0.22 | 1.82 | 97.22 |
| 80/ 2/20 | 1825 | 3 | 25. | 0.03 | 0.01 | 2.00 | 0.34 | 0.18 | 1.86 | 0.37 | 0.19 | 1.87 | 91.89 |
| 80/ 2/20 | 1825 | 3 | 30. | 0.06 | 0.02 | 2.05 | 0.37 | 0.20 | 1.86 | 0.43 | 0.22 | 1.88 | 86.05 |
| 80/ 2/20 | 1825 | 3 | 35. | 0.09 | 0.02 | 2.05 | 0.37 | 0.18 | 1.89 | 0.46 | 0.20 | 1.92 | 86.43 |
| 80/ 2/20 | 1825 | 3 | 50. | 0.08 | 0.02 | 2.03 | | | | | | | 0.0 |
| 80/ 2/20 | 1825 | 3 | 75. | 0.04 | 0.01 | 2.01 | 0.17 | 0.10 | 1.81 | 0.21 | 0.12 | 1.85 | 80.95 |
| 80/ 2/20 | 2318 | 4 | 1. | 0.09 | 0.01 | 2.15 | 0.16 | 0.12 | 1.76 | 0.25 | 0.14 | 1.86 | 64.00 |
| 80/ 2/20 | 2318 | 4 | 5. | 0.04 | 0.01 | 2.12 | 0.25 | 0.17 | 1.79 | 0.28 | 0.18 | 1.82 | 89.29 |
| 80/ 2/20 | 2318 | 4 | 10. | 0.07 | 0.01 | 2.14 | 0.27 | 0.18 | 1.80 | 0.35 | 0.19 | 1.86 | 77.14 |
| 80/ 2/20 | 2318 | 4 | 15. | 0.07 | 0.02 | 2.07 | 0.23 | 0.14 | 1.81 | 0.30 | 0.16 | 1.86 | 76.67 |
| 80/ 2/20 | 2318 | 4 | 20. | 0.09 | 0.01 | 2.17 | 0.27 | 0.17 | 1.81 | 0.36 | 0.18 | 1.88 | 75.00 |
| 80/ 2/20 | 2318 | 4 | 25. | 0.09 | 0.02 | 2.14 | 0.28 | 0.23 | 1.73 | 0.37 | 0.24 | 1.80 | 75.68 |
| 80/ 2/20 | 2318 | 4 | 30. | 0.18 | 0.03 | 2.11 | 0.14 | 0.10 | 1.77 | 0.32 | 0.14 | 1.93 | 43.75 |
| 80/ 2/20 | 2318 | 4 | 35. | 0.06 | 0.11 | 1.43 | 0.24 | 0.18 | 1.75 | 0.29 | 0.30 | 1.66 | 82.76 |

| DATE YR MO DY | TIME EST | CONSEC. STATION | SAMPLE DEPTH | NETPHYTOPLANKTON MG/M3 | | | NANNI-PHYTOPLANKTON MG/M3 | | | TOTAL PHYTOPLANKTON MG/M3 | | | % NANNIPLANKTON |
|------------------|-------------|--------------------|-----------------|---------------------------|-------|-------|------------------------------|-------|-------|------------------------------|-------|-------|-----------------|
| | | | | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | |
| 80/ 2/20 | 2318 | 4 | 50. | 0.13 | 0.07 | 1.87 | 0.19 | 0.19 | 1.66 | 0.32 | 0.26 | 1.73 | 59.38 |
| 80/ 2/20 | 2318 | 4 | 75. | 0.16 | 0.04 | 2.04 | 0.09 | 0.06 | 1.79 | 0.25 | 0.11 | 1.93 | 36.00 |
| 80/ 2/21 | 0350 | 5 | 1. | 0.01 | 0.00 | 2.06 | 0.16 | 0.07 | 1.94 | 0.17 | 0.07 | 1.95 | 90.12 |
| 80/ 2/21 | 0350 | 5 | 5. | 0.01 | 0.00 | 2.07 | 0.08 | 0.04 | 1.87 | 0.10 | 0.05 | 1.89 | 80.00 |
| 80/ 2/21 | 0350 | 5 | 10. | 0.02 | 0.00 | 2.25 | 0.17 | 0.08 | 1.92 | 0.19 | 0.08 | 1.95 | 89.47 |
| 80/ 2/21 | 0350 | 5 | 15. | 0.02 | 0.00 | 2.10 | 0.08 | 0.04 | 1.91 | 0.10 | 0.04 | 1.94 | 80.00 |
| 80/ 2/21 | 0350 | 5 | 20. | 0.01 | 0.00 | 2.10 | 0.05 | 0.04 | 1.71 | 0.06 | 0.04 | 1.77 | 83.33 |
| 80/ 2/21 | 0350 | 5 | 25. | 0.01 | 0.00 | 2.07 | 0.08 | 0.05 | 1.79 | 0.09 | 0.06 | 1.82 | 88.89 |
| 80/ 2/21 | 0350 | 5 | 30. | 0.02 | 0.00 | 2.15 | 0.20 | 0.09 | 1.91 | 0.23 | 0.10 | 1.93 | 86.96 |
| 80/ 2/21 | 0350 | 5 | 35. | 0.01 | 0.00 | 2.00 | 0.21 | 0.12 | 1.83 | 0.22 | 0.13 | 1.84 | 95.05 |
| 80/ 2/21 | 0350 | 5 | 50. | 0.03 | 0.01 | 2.11 | 0.10 | 0.07 | 1.77 | 0.14 | 0.08 | 1.84 | 71.43 |
| 80/ 2/21 | 0350 | 5 | 75. | 0.04 | 0.01 | 2.10 | 0.07 | 0.04 | 1.81 | 0.11 | 0.05 | 1.90 | 63.64 |
| 80/ 2/21 | 0935 | 6 | 1. | 0.12 | 0.03 | 2.07 | 0.16 | 0.09 | 1.85 | 0.28 | 0.12 | 1.93 | 57.14 |
| 80/ 2/21 | 0935 | 6 | 5. | 0.13 | 0.03 | 2.05 | 0.46 | 0.23 | 1.88 | 0.59 | 0.26 | 1.91 | 77.97 |
| 80/ 2/21 | 0935 | 6 | 10. | 0.12 | 0.02 | 2.16 | 0.41 | 0.14 | 2.00 | 0.53 | 0.15 | 2.03 | 77.36 |
| 80/ 2/21 | 0935 | 6 | 15. | 0.16 | 0.01 | 2.22 | 0.20 | 0.10 | 1.89 | 0.36 | 0.11 | 2.01 | 55.56 |
| 80/ 2/21 | 0935 | 6 | 20. | 0.12 | 0.03 | 2.07 | 0.23 | 0.12 | 1.87 | 0.35 | 0.15 | 1.93 | 65.71 |
| 80/ 2/21 | 0935 | 6 | 25. | 0.11 | 0.02 | 2.13 | 0.24 | 0.12 | 1.89 | 0.35 | 0.14 | 1.95 | 68.57 |
| 80/ 2/21 | 0935 | 6 | 30. | 0.20 | 0.03 | 2.14 | 0.17 | 0.10 | 1.84 | 0.37 | 0.13 | 1.98 | 45.95 |
| 80/ 2/21 | 0935 | 6 | 35. | 0.17 | 0.02 | 2.20 | 0.16 | 0.08 | 1.89 | 0.33 | 0.09 | 2.03 | 48.48 |
| 80/ 2/21 | 0935 | 6 | 50. | 0.16 | 0.03 | 2.14 | 0.11 | 0.06 | 1.88 | 0.27 | 0.08 | 2.01 | 40.74 |
| 80/ 2/21 | 0935 | 6 | 75. | 0.14 | 0.01 | 2.21 | 0.26 | 0.14 | 1.87 | 0.40 | 0.15 | 1.97 | 65.00 |
| 80/ 2/21 | 1255 | 7 | 1. | 0.18 | 0.02 | 2.17 | 0.14 | 0.06 | 1.90 | 0.32 | 0.09 | 2.04 | 43.75 |
| 80/ 2/21 | 1255 | 7 | 5. | 0.47 | 0.04 | 2.22 | 0.15 | 0.10 | 1.80 | 0.62 | 0.14 | 2.08 | 24.19 |
| 80/ 2/21 | 1255 | 7 | 10. | 0.35 | 0.04 | 2.20 | 0.25 | 0.14 | 1.84 | 0.60 | 0.18 | 2.02 | 41.67 |
| 80/ 2/21 | 1255 | 7 | 15. | 0.54 | 0.04 | 2.23 | 0.14 | 0.08 | 1.83 | 0.68 | 0.12 | 2.12 | 20.59 |
| 80/ 2/21 | 1255 | 7 | 20. | 0.18 | 0.02 | 2.16 | 0.21 | 0.12 | 1.84 | 0.39 | 0.14 | 1.97 | 53.85 |
| 80/ 2/21 | 1255 | 7 | 25. | 0.16 | 0.01 | 2.25 | 0.29 | 0.18 | 1.81 | 0.46 | 0.19 | 1.93 | 63.04 |
| 80/ 2/21 | 1255 | 7 | 30. | 0.17 | 0.01 | 2.26 | 0.11 | 0.06 | 1.87 | 0.27 | 0.07 | 2.07 | 40.74 |
| 80/ 2/21 | 1255 | 7 | 35. | 0.36 | 0.03 | 2.22 | 0.19 | 0.11 | 1.83 | 0.55 | 0.14 | 2.05 | 34.55 |
| 80/ 2/21 | 1255 | 7 | 50. | 0.45 | 0.07 | 2.15 | 0.25 | 0.15 | 1.82 | 0.70 | 0.22 | 2.01 | 35.71 |
| 80/ 2/21 | 1255 | 7 | 75. | 0.42 | 0.05 | 2.19 | 0.27 | 0.14 | 1.87 | 0.69 | 0.19 | 2.04 | 39.13 |
| 80/ 2/21 | 1655 | 8 | 1. | 0.03 | 0.01 | 2.06 | 0.15 | 0.08 | 1.89 | 0.18 | 0.08 | 1.91 | 83.33 |
| 80/ 2/21 | 1655 | 8 | 5. | 0.08 | 0.02 | 2.05 | 0.16 | 0.09 | 1.85 | 0.22 | 0.10 | 1.89 | 72.73 |
| 80/ 2/21 | 1655 | 8 | 10. | 0.10 | 0.00 | 2.28 | 0.25 | 0.07 | 2.03 | 0.34 | 0.07 | 2.09 | 73.53 |
| 80/ 2/21 | 1655 | 8 | 14. | 0.10 | 0.01 | 2.19 | 0.09 | 0.03 | 1.96 | 0.19 | 0.05 | 2.07 | 47.37 |
| 80/ 2/21 | 1655 | 8 | 19. | 0.10 | 0.01 | 2.22 | 0.10 | 0.04 | 1.94 | 0.20 | 0.05 | 2.06 | 50.00 |
| 80/ 2/21 | 1655 | 8 | 24. | 0.08 | 0.00 | 2.26 | 0.19 | 0.06 | 2.00 | 0.26 | 0.07 | 2.06 | 73.08 |

| DATE | | TIME | CONSEC. | SAMPLE | NETPHYTOPLANKTON MG/M3 | | | NANNOPHYTOPLANKTON MG/M3 | | | TOTAL PHYTOPLANKTON MG/M3 | | | % NANNOPHYTOPLANKTON | |
|------|------|------|---------|---------|---------------------------|-------|-------|-----------------------------|-------|-------|------------------------------|-------|-------|----------------------|--|
| YR | MO | DAY | EST | STATION | DEPTH | CHL A | PHAEO | FC/FA | CHL A | PHAEO | FC/FA | CHL A | PHAEO | FC/FA | |
| 80/ | 2/21 | 1655 | 8 | 29. | 0.07 | 0.0 | 2.33 | 0.10 | 0.02 | 2.10 | 0.17 | 0.02 | 2.19 | 58.82 | |
| 80/ | 2/21 | 1655 | 8 | 34. | 0.11 | 0.00 | 2.30 | 0.21 | 0.11 | 1.88 | 0.32 | 0.11 | 1.99 | 65.62 | |
| 80/ | 2/21 | 1655 | 8 | 48. | 0.07 | 0.0 | 2.33 | 0.08 | 0.03 | 1.96 | 0.16 | 0.03 | 2.10 | 50.00 | |
| 80/ | 2/21 | 1655 | 8 | 72. | 0.09 | 0.0 | 2.48 | 0.06 | 0.02 | 2.04 | 0.15 | 0.02 | 2.25 | 40.00 | |
| 80/ | 2/21 | 2015 | 9 | 1. | 0.08 | 0.01 | 2.12 | 0.23 | 0.11 | 1.89 | 0.31 | 0.13 | 1.94 | 74.19 | |
| 80/ | 2/21 | 2015 | 9 | 5. | 0.05 | 0.00 | 2.24 | 0.25 | 0.09 | 1.96 | 0.29 | 0.10 | 1.99 | 86.21 | |
| 80/ | 2/21 | 2015 | 9 | 10. | 0.03 | 0.00 | 2.17 | 0.11 | 0.05 | 1.90 | 0.14 | 0.06 | 1.95 | 78.57 | |
| 80/ | 2/21 | 2015 | 9 | 15. | 0.06 | 0.01 | 2.15 | 0.15 | 0.09 | 1.82 | 0.20 | 0.10 | 1.89 | 75.00 | |
| 80/ | 2/21 | 2015 | 9 | 20. | 0.08 | 0.0 | 2.54 | 0.20 | 0.08 | 1.93 | 0.27 | 0.08 | 2.05 | 74.07 | |
| 80/ | 2/21 | 2015 | 9 | 25. | 0.09 | 0.0 | 2.58 | 0.18 | 0.10 | 1.86 | 0.27 | 0.10 | 2.01 | 62.67 | |
| 80/ | 2/21 | 2015 | 9 | 30. | 0.06 | 0.00 | 2.24 | 0.16 | 0.07 | 1.94 | 0.22 | 0.07 | 2.01 | 72.73 | |
| 80/ | 2/21 | 2015 | 9 | 35. | 0.06 | 0.00 | 2.23 | 0.12 | 0.04 | 1.97 | 0.18 | 0.05 | 2.04 | 66.67 | |
| 80/ | 2/21 | 2015 | 9 | 50. | 0.07 | 0.01 | 2.19 | 0.10 | 0.07 | 1.81 | 0.18 | 0.07 | 1.93 | 55.56 | |
| 80/ | 2/21 | 2015 | 9 | 75. | 0.10 | 0.01 | 2.22 | 0.08 | 0.04 | 1.90 | 0.19 | 0.05 | 2.05 | 42.11 | |
| 80/ | 2/22 | 0740 | 10 | 1. | 0.01 | 0.08 | 1.20 | | | | | | | 0.0 | |
| 80/ | 2/22 | 0740 | 10 | 5. | 0.05 | 0.01 | 2.10 | 0.17 | 0.18 | 1.64 | 0.21 | 0.19 | 1.70 | 80.95 | |
| 80/ | 2/22 | 0740 | 10 | 10. | 0.02 | 0.01 | 2.00 | 0.31 | 0.16 | 1.88 | 0.33 | 0.16 | 1.88 | 93.94 | |
| 80/ | 2/22 | 0740 | 10 | 15. | 0.03 | 0.01 | 1.94 | 0.29 | 0.14 | 1.88 | 0.32 | 0.16 | 1.89 | 90.63 | |
| 80/ | 2/22 | 0740 | 10 | 20. | 0.07 | 0.01 | 2.10 | 0.10 | 0.05 | 1.90 | 0.17 | 0.06 | 1.98 | 58.82 | |
| 80/ | 2/22 | 0740 | 10 | 25. | 0.04 | 0.01 | 2.00 | 0.08 | 0.05 | 1.83 | 0.12 | 0.06 | 1.88 | 66.67 | |
| 80/ | 2/22 | 0740 | 10 | 30. | 0.06 | 0.01 | 2.11 | 0.19 | 0.10 | 1.86 | 0.24 | 0.11 | 1.91 | 79.17 | |
| 80/ | 2/22 | 0740 | 10 | 35. | 0.04 | 0.03 | 1.78 | 0.12 | 0.06 | 1.86 | 0.16 | 0.09 | 1.84 | 75.00 | |
| 80/ | 2/22 | 0740 | 10 | 50. | 0.05 | 0.01 | 2.10 | 0.10 | 0.05 | 1.90 | 0.16 | 0.06 | 1.96 | 62.50 | |
| 80/ | 2/22 | 0740 | 10 | 75. | 0.05 | 0.02 | 2.00 | 0.22 | 0.11 | 1.88 | 0.27 | 0.13 | 1.90 | 81.48 | |
| 80/ | 2/22 | 1150 | 11 | 1. | 0.02 | 0.01 | 2.06 | 0.07 | 0.26 | 1.27 | 0.09 | 0.27 | 1.34 | 77.78 | |
| 80/ | 2/22 | 1150 | 11 | 5. | 0.01 | 0.00 | 2.06 | 0.11 | 0.06 | 1.85 | 0.13 | 0.07 | 1.87 | 84.62 | |
| 80/ | 2/22 | 1150 | 11 | 10. | 0.03 | 0.01 | 2.10 | 0.26 | 0.10 | 1.96 | 0.29 | 0.10 | 1.97 | 89.66 | |
| 80/ | 2/22 | 1150 | 11 | 15. | 0.02 | 0.00 | 2.07 | 0.12 | 0.09 | 1.76 | 0.14 | 0.09 | 1.79 | 85.71 | |
| 80/ | 2/22 | 1150 | 11 | 20. | 0.01 | 0.00 | 2.08 | 0.17 | 0.06 | 2.00 | 0.18 | 0.06 | 2.00 | 94.44 | |
| 80/ | 2/22 | 1150 | 11 | 25. | 0.01 | 0.01 | 1.67 | 0.23 | 0.13 | 1.86 | 0.24 | 0.13 | 1.85 | 95.83 | |
| 80/ | 2/22 | 1150 | 11 | 30. | 0.02 | 0.00 | 2.19 | 0.16 | 0.09 | 1.85 | 0.18 | 0.09 | 1.87 | 88.89 | |
| 80/ | 2/22 | 1150 | 11 | 35. | 0.01 | 0.01 | 1.51 | 0.14 | 0.06 | 1.90 | 0.14 | 0.07 | 1.87 | 100.00 | |
| 80/ | 2/22 | 1150 | 11 | 50. | 0.03 | 0.00 | 2.20 | 0.27 | 0.15 | 1.85 | 0.29 | 0.15 | 1.87 | 93.10 | |
| 80/ | 2/22 | 1150 | 11 | 75. | 0.02 | 0.00 | 2.24 | 0.10 | 0.07 | 1.78 | 0.12 | 0.07 | 1.84 | 83.33 | |
| 80/ | 2/22 | 1750 | 12 | 1. | 0.12 | 0.02 | 2.11 | 0.28 | 0.17 | 1.83 | 0.40 | 0.19 | 1.90 | 70.00 | |
| 80/ | 2/22 | 1750 | 12 | 5. | 0.09 | 0.03 | 2.02 | 0.34 | 0.21 | 1.82 | 0.44 | 0.24 | 1.85 | 77.27 | |
| 80/ | 2/22 | 1750 | 12 | 10. | 0.16 | 0.02 | 2.17 | 0.24 | 0.10 | 1.92 | 0.40 | 0.13 | 2.01 | 60.00 | |
| 80/ | 2/22 | 1750 | 12 | 15. | 0.06 | 0.02 | 2.03 | 0.31 | 0.18 | 1.84 | 0.37 | 0.19 | 1.87 | 83.78 | |

| DATE | | TIME | CONSEC. | SAMPLE | NETPHYTOPLANKTON | | | NANNOPHYTOPLANKTON | | | TOTAL PHYTOPLANKTON | | | % NANNOPLANKTON |
|------|------|------|---------|---------|------------------|-------|-------|--------------------|-------|-------|---------------------|-------|-------|-----------------|
| YR | MO | DAY | EST | STATION | DEPTH | CHL A | PHAEO | FC/FA | CHL A | PHAEO | FC/FA | CHL A | PHAEO | |
| 80/ | 2/22 | 1750 | 12 | 20. | 0.13 | 0.02 | 2.18 | 0.32 | 0.15 | 1.90 | 0.45 | 0.16 | 1.97 | 71.11 |
| 80/ | 2/22 | 1750 | 12 | 25. | 0.05 | 0.02 | 2.01 | 0.27 | 0.16 | 1.83 | 0.31 | 0.17 | 1.86 | 87.10 |
| 80/ | 2/22 | 1750 | 12 | 30. | 0.05 | 0.01 | 2.10 | 0.37 | 0.24 | 1.80 | 0.42 | 0.25 | 1.83 | 88.10 |
| 80/ | 2/22 | 1750 | 12 | 35. | 0.05 | 0.02 | 2.01 | 0.49 | 0.22 | 1.91 | 0.54 | 0.24 | 1.92 | 90.74 |
| 80/ | 2/22 | 1750 | 12 | 50. | 0.07 | 0.01 | 2.12 | 0.50 | 0.26 | 1.87 | 0.57 | 0.28 | 1.89 | 87.72 |
| 80/ | 2/22 | 1750 | 12 | 75. | 0.08 | 0.01 | 2.15 | 0.32 | 0.18 | 1.85 | 0.39 | 0.19 | 1.89 | 82.05 |
| 80/ | 2/22 | 2125 | 13 | 1. | 0.20 | 0.03 | 2.16 | 0.44 | 0.22 | 1.88 | 0.65 | 0.25 | 1.95 | 67.69 |
| 80/ | 2/22 | 2125 | 13 | 5. | 0.19 | 0.02 | 2.23 | 0.36 | 0.18 | 1.89 | 0.55 | 0.19 | 1.98 | 65.45 |
| 80/ | 2/22 | 2125 | 13 | 10. | 0.17 | 0.04 | 2.10 | 0.59 | 0.25 | 1.93 | 0.76 | 0.29 | 1.96 | 77.63 |
| 80/ | 2/22 | 2125 | 13 | 15. | 0.20 | 0.01 | 2.24 | 0.54 | 0.30 | 1.86 | 0.75 | 0.31 | 1.93 | 72.00 |
| 80/ | 2/22 | 2125 | 13 | 20. | 0.21 | 0.02 | 2.20 | 0.49 | 0.28 | 1.84 | 0.70 | 0.30 | 1.93 | 70.00 |
| 80/ | 2/22 | 2125 | 13 | 25. | 0.15 | 0.01 | 2.24 | 0.63 | 0.33 | 1.87 | 0.78 | 0.34 | 1.92 | 80.77 |
| 80/ | 2/22 | 2125 | 13 | 30. | 0.27 | 0.04 | 2.17 | 0.63 | 0.31 | 1.89 | 0.90 | 0.34 | 1.96 | 70.00 |
| 80/ | 2/22 | 2125 | 13 | 35. | 0.09 | 0.01 | 2.16 | 0.62 | 0.30 | 1.89 | 0.71 | 0.31 | 1.92 | 87.32 |
| 80/ | 2/22 | 2125 | 13 | 50. | 0.22 | 0.02 | 2.21 | 0.24 | 0.10 | 1.92 | 0.46 | 0.13 | 2.04 | 52.17 |
| 80/ | 2/22 | 2125 | 13 | 75. | 0.13 | 0.02 | 2.14 | 0.13 | 0.07 | 1.84 | 0.26 | 0.10 | 1.97 | 50.00 |
| 80/ | 2/23 | 0735 | 14 | 1. | 0.17 | 0.03 | 2.12 | 0.50 | 0.28 | 1.85 | 0.67 | 0.31 | 1.90 | 74.63 |
| 80/ | 2/23 | 0735 | 14 | 5. | 0.15 | 0.02 | 2.14 | 0.46 | 0.19 | 1.93 | 0.60 | 0.21 | 1.98 | 76.67 |
| 80/ | 2/23 | 0735 | 14 | 9. | 0.08 | 0.01 | 2.20 | 0.43 | 0.26 | 1.82 | 0.51 | 0.27 | 1.87 | 84.31 |
| 80/ | 2/23 | 0735 | 14 | 14. | 0.21 | 0.04 | 2.12 | 0.25 | 0.12 | 1.89 | 0.46 | 0.16 | 1.98 | 54.35 |
| 80/ | 2/23 | 0735 | 14 | 18. | 0.10 | 0.02 | 2.13 | 0.19 | 0.09 | 1.91 | 0.29 | 0.11 | 1.97 | 65.52 |
| 80/ | 2/23 | 0735 | 14 | 23. | 0.18 | 0.03 | 2.13 | 0.17 | 0.08 | 1.90 | 0.35 | 0.11 | 2.00 | 48.57 |
| 80/ | 2/23 | 0735 | 14 | 28. | 0.11 | 0.01 | 2.20 | 0.59 | 0.27 | 1.90 | 0.70 | 0.28 | 1.94 | 84.29 |
| 80/ | 2/23 | 0735 | 14 | 32. | 0.07 | 0.01 | 2.16 | 0.51 | 0.27 | 1.87 | 0.58 | 0.28 | 1.90 | 87.93 |
| 80/ | 2/23 | 0735 | 14 | 46. | 0.14 | 0.02 | 2.19 | 0.47 | 0.23 | 1.88 | 0.62 | 0.25 | 1.94 | 75.81 |
| 80/ | 2/23 | 0735 | 14 | 69. | 0.04 | 0.00 | 2.20 | 0.10 | 0.08 | 1.73 | 0.14 | 0.09 | 1.81 | 71.43 |
| 80/ | 2/23 | 1142 | 15 | 1. | 0.17 | 0.01 | 2.23 | 0.57 | 0.27 | 1.90 | 0.75 | 0.28 | 1.96 | 76.00 |
| 80/ | 2/23 | 1142 | 15 | 5. | 0.27 | 0.02 | 2.23 | 0.32 | 0.15 | 1.89 | 0.59 | 0.18 | 2.02 | 54.24 |
| 80/ | 2/23 | 1142 | 15 | 10. | 0.27 | 0.04 | 2.17 | 0.46 | 0.19 | 1.93 | 0.72 | 0.23 | 2.01 | 63.89 |
| 80/ | 2/23 | 1142 | 15 | 15. | 0.24 | 0.02 | 2.23 | 0.17 | 0.08 | 1.92 | 0.41 | 0.09 | 2.08 | 41.46 |
| 80/ | 2/23 | 1142 | 15 | 20. | 0.12 | 0.02 | 2.15 | 0.31 | 0.13 | 1.93 | 0.44 | 0.15 | 1.98 | 70.45 |
| 80/ | 2/23 | 1142 | 15 | 25. | 0.15 | 0.01 | 2.22 | 0.56 | 0.26 | 1.90 | 0.71 | 0.28 | 1.95 | 78.87 |
| 80/ | 2/23 | 1142 | 15 | 30. | 0.33 | 0.04 | 2.19 | 0.49 | 0.16 | 2.00 | 0.81 | 0.20 | 2.06 | 60.49 |
| 80/ | 2/23 | 1142 | 15 | 35. | 0.23 | 0.03 | 2.16 | 0.49 | 0.20 | 1.94 | 0.71 | 0.23 | 2.00 | 69.01 |
| 80/ | 2/23 | 1142 | 15 | 50. | 0.26 | 0.02 | 2.21 | 0.35 | 0.19 | 1.85 | 0.61 | 0.22 | 1.97 | 57.58 |
| 80/ | 2/23 | 1142 | 15 | 75. | 0.25 | 0.02 | 2.25 | 0.57 | 0.23 | 1.95 | 0.83 | 0.24 | 2.02 | 68.67 |
| 80/ | 2/23 | 1525 | 16 | 1. | 0.14 | 0.02 | 2.13 | 0.09 | 0.07 | 1.72 | 0.23 | 0.10 | 1.93 | 39.13 |
| 80/ | 2/23 | 1525 | 16 | 5. | 0.31 | 0.01 | 2.27 | 0.10 | 0.04 | 1.91 | 0.41 | 0.06 | 2.16 | 24.39 |

| DATE | | TIME | CONSEC. | SAMPLE | NETPHYTOPLANKTON MG/M3 | | | NANNOPHYTOPLANKTON MG/M3 | | | TOTAL PHYTOPLANKTON MG/M3 | | | % NANNOPLANKTON | |
|------|------|------|---------|---------|---------------------------|-------|-------|-----------------------------|-------|-------|------------------------------|-------|-------|-----------------|--|
| YR | MO | DAY | EST | STATION | DEPTH | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | |
| 80/ | 2/23 | 1525 | 16 | 10. | 0.16 | 0.00 | 2.30 | 0.15 | 0.10 | 1.80 | 0.31 | 0.10 | 2.00 | 48.39 | |
| 80/ | 2/23 | 1525 | 16 | 15. | 0.14 | 0.01 | 2.24 | 0.15 | 0.04 | 2.06 | 0.29 | 0.05 | 2.14 | 51.72 | |
| 80/ | 2/23 | 1525 | 16 | 20. | 0.06 | 0.0 | 2.33 | 0.16 | 0.06 | 1.95 | 0.23 | 0.06 | 2.03 | 69.57 | |
| 80/ | 2/23 | 1525 | 16 | 25. | 0.16 | 0.02 | 2.18 | 0.19 | 0.09 | 1.88 | 0.35 | 0.11 | 2.00 | 54.29 | |
| 80/ | 2/23 | 1525 | 16 | 30. | 0.13 | 0.02 | 2.15 | 0.15 | 0.05 | 2.00 | 0.28 | 0.07 | 2.06 | 53.57 | |
| 80/ | 2/23 | 1525 | 16 | 35. | 0.17 | 0.04 | 2.10 | 0.08 | 0.06 | 1.75 | 0.26 | 0.10 | 1.96 | 30.77 | |
| 80/ | 2/23 | 1525 | 16 | 50. | 0.11 | 0.01 | 2.22 | 0.16 | 0.12 | 1.77 | 0.27 | 0.13 | 1.91 | 59.26 | |
| 80/ | 2/23 | 1525 | 16 | 75. | 0.15 | 0.04 | 2.05 | 0.15 | 0.06 | 1.96 | 0.30 | 0.09 | 2.01 | 50.00 | |
| 80/ | 2/23 | 1945 | 17 | 1. | 0.07 | 0.01 | 2.20 | 0.10 | 0.05 | 1.87 | 0.17 | 0.06 | 1.98 | 58.82 | |
| 80/ | 2/23 | 1945 | 17 | 5. | 0.06 | 0.01 | 2.16 | 0.09 | 0.03 | 1.96 | 0.15 | 0.04 | 2.03 | 60.00 | |
| 80/ | 2/23 | 1945 | 17 | 10. | 0.13 | 0.03 | 2.08 | 0.06 | 0.03 | 1.91 | 0.20 | 0.06 | 2.02 | 30.00 | |
| 80/ | 2/23 | 1945 | 17 | 15. | 0.11 | 0.00 | 2.27 | 0.15 | 0.11 | 1.76 | 0.25 | 0.12 | 1.91 | 60.00 | |
| 80/ | 2/23 | 1945 | 17 | 20. | 0.06 | 0.00 | 2.30 | 0.08 | 0.04 | 1.86 | 0.13 | 0.04 | 2.01 | 61.54 | |
| 80/ | 2/23 | 1945 | 17 | 25. | 0.05 | 0.01 | 2.19 | 0.05 | 0.02 | 1.94 | 0.10 | 0.03 | 2.05 | 50.00 | |
| 80/ | 2/23 | 1945 | 17 | 30. | 0.11 | 0.02 | 2.13 | 0.09 | 0.05 | 1.84 | 0.20 | 0.07 | 1.97 | 45.00 | |
| 80/ | 2/23 | 1945 | 17 | 35. | 0.09 | 0.03 | 2.00 | 0.04 | 0.03 | 1.76 | 0.13 | 0.06 | 1.91 | 30.77 | |
| 80/ | 2/23 | 1945 | 17 | 50. | 0.10 | 0.00 | 2.27 | 0.05 | 0.03 | 1.90 | 0.15 | 0.03 | 2.11 | 33.33 | |
| 80/ | 2/23 | 1945 | 17 | 75. | 0.04 | 0.00 | 2.22 | 0.10 | 0.05 | 1.92 | 0.14 | 0.05 | 1.98 | 71.43 | |
| 80/ | 2/23 | 2355 | 18 | 1. | 0.31 | 0.03 | 2.20 | 0.27 | 0.15 | 1.86 | 0.59 | 0.18 | 2.01 | 45.76 | |
| 80/ | 2/23 | 2355 | 18 | 5. | 0.43 | 0.04 | 2.22 | 0.33 | 0.10 | 2.02 | 0.76 | 0.13 | 2.13 | 43.42 | |
| 80/ | 2/23 | 2355 | 18 | 10. | 0.31 | 0.02 | 2.26 | 0.14 | 0.06 | 1.90 | 0.45 | 0.08 | 2.12 | 31.11 | |
| 80/ | 2/23 | 2355 | 18 | 15. | 0.47 | 0.02 | 2.28 | 0.20 | 0.08 | 1.95 | 0.67 | 0.09 | 2.16 | 29.85 | |
| 80/ | 2/23 | 2355 | 18 | 20. | 0.25 | 0.00 | 2.31 | 0.24 | 0.10 | 1.94 | 0.49 | 0.10 | 2.10 | 48.98 | |
| 80/ | 2/23 | 2355 | 18 | 25. | 0.36 | 0.02 | 2.25 | 0.21 | 0.08 | 1.95 | 0.57 | 0.11 | 2.12 | 36.84 | |
| 80/ | 2/23 | 2355 | 18 | 30. | 0.46 | 0.03 | 2.24 | 0.15 | 0.06 | 1.97 | 0.62 | 0.09 | 2.16 | 24.19 | |
| 80/ | 2/23 | 2355 | 18 | 35. | 0.33 | 0.01 | 2.27 | 0.24 | 0.06 | 2.08 | 0.58 | 0.07 | 2.18 | 41.38 | |
| 80/ | 2/23 | 2355 | 18 | 50. | | | | 0.17 | 0.06 | 2.00 | | | | 0.0 | |
| 80/ | 2/23 | 2355 | 18 | 75. | 0.17 | 0.01 | 2.27 | 0.30 | 0.15 | 1.88 | 0.47 | 0.16 | 2.00 | 63.83 | |
| 80/ | 2/24 | 0340 | 19 | 1. | 1.49 | 0.16 | 2.20 | 0.18 | 0.09 | 1.88 | 1.67 | 0.25 | 2.15 | 10.78 | |
| 80/ | 2/24 | 0340 | 19 | 5. | 1.66 | 0.22 | 2.17 | 0.18 | 0.08 | 1.90 | 1.83 | 0.30 | 2.14 | 9.84 | |
| 80/ | 2/24 | 0340 | 19 | 10. | 1.42 | 0.14 | 2.21 | 0.23 | 0.13 | 1.86 | 1.65 | 0.26 | 2.14 | 13.94 | |
| 80/ | 2/24 | 0340 | 19 | 15. | 0.55 | 0.04 | 2.23 | 0.23 | 0.14 | 1.83 | 0.78 | 0.18 | 2.08 | 29.49 | |
| 80/ | 2/24 | 0340 | 19 | 20. | 1.39 | 0.07 | 2.26 | 0.26 | 0.12 | 1.91 | 1.65 | 0.19 | 2.19 | 15.76 | |
| 80/ | 2/24 | 0340 | 19 | 25. | 0.44 | 0.01 | 2.28 | 0.28 | 0.16 | 1.84 | 0.72 | 0.18 | 2.06 | 38.89 | |
| 80/ | 2/24 | 0340 | 19 | 30. | 0.83 | 0.05 | 2.25 | 0.31 | 0.20 | 1.80 | 1.13 | 0.25 | 2.08 | 27.43 | |
| 80/ | 2/24 | 0340 | 19 | 35. | 1.63 | 0.15 | 2.21 | 0.28 | 0.14 | 1.88 | 1.91 | 0.30 | 2.15 | 14.66 | |
| 80/ | 2/24 | 0340 | 19 | 50. | 1.55 | 0.29 | 2.11 | 0.23 | 0.13 | 1.84 | 1.78 | 0.42 | 2.07 | 12.92 | |
| 80/ | 2/24 | 0340 | 19 | 75. | 0.99 | 0.11 | 2.20 | 0.19 | 0.10 | 1.85 | 1.18 | 0.21 | 2.12 | 16.10 | |

| DATE YR MO DY | TIME EST | CONSEC. STATION | SAMPLE DEPTH | MACROPHYTOPLANKTON MG/M3 | | | NANOPHYTOPLANKTON MG/M3 | | | TOTAL PHYTOPLANKTON MG/M3 | | | % NANNOPLANKTON |
|------------------|-------------|--------------------|-----------------|-----------------------------|-------|-------|----------------------------|-------|-------|------------------------------|-------|-------|-----------------|
| | | | | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | |
| 80/ 2/24 | 0647 | 20 | 1. | 0.70 | 0.01 | 2.30 | 0.27 | 0.16 | 1.83 | 0.97 | 0.17 | 2.13 | 27.84 |
| 80/ 2/24 | 0647 | 20 | 5. | 0.68 | 0.06 | 2.22 | 0.10 | 0.04 | 1.93 | 0.78 | 0.10 | 2.17 | 12.82 |
| 80/ 2/24 | 0647 | 20 | 10. | 0.66 | 0.11 | 2.14 | 0.21 | 0.11 | 1.86 | 0.87 | 0.22 | 2.06 | 24.14 |
| 80/ 2/24 | 0647 | 20 | 15. | 0.66 | 0.11 | 2.14 | 0.24 | 0.11 | 1.91 | 0.90 | 0.22 | 2.07 | 26.67 |
| 80/ 2/24 | 0647 | 20 | 20. | 0.31 | 0.01 | 2.27 | 0.25 | 0.17 | 1.79 | 0.56 | 0.18 | 2.00 | 44.64 |
| 80/ 2/24 | 0647 | 20 | 25. | 0.68 | 0.01 | 2.32 | 0.29 | 0.13 | 1.92 | 0.98 | 0.13 | 2.17 | 29.59 |
| 80/ 2/24 | 0647 | 20 | 30. | 0.68 | 0.09 | 2.17 | 0.20 | 0.09 | 1.91 | 0.88 | 0.18 | 2.10 | 22.73 |
| 80/ 2/24 | 0647 | 20 | 35. | 0.20 | 0.03 | 2.15 | 0.28 | 0.14 | 1.88 | 0.48 | 0.17 | 1.97 | 58.33 |
| 80/ 2/24 | 0647 | 20 | 50. | 0.47 | 0.05 | 2.20 | 0.28 | 0.14 | 1.88 | 0.75 | 0.19 | 2.05 | 37.33 |
| 80/ 2/24 | 0647 | 20 | 75. | 0.22 | 0.01 | 2.26 | 0.18 | 0.07 | 1.95 | 0.39 | 0.08 | 2.10 | 46.15 |
| 80/ 2/24 | 0947 | 21 | 1. | 0.23 | 0.03 | 2.16 | 0.15 | 0.04 | 2.06 | 0.38 | 0.07 | 2.12 | 39.47 |
| 80/ 2/24 | 0947 | 21 | 5. | 0.26 | 0.0 | 2.33 | 0.12 | 0.05 | 1.96 | 0.38 | 0.05 | 2.18 | 31.58 |
| 80/ 2/24 | 0947 | 21 | 10. | 0.17 | 0.03 | 2.11 | 0.17 | 0.03 | 2.12 | 0.34 | 0.06 | 2.11 | 50.00 |
| 80/ 2/24 | 0947 | 21 | 15. | 0.31 | 0.04 | 2.17 | 0.17 | 0.03 | 2.12 | 0.47 | 0.07 | 2.15 | 36.17 |
| 80/ 2/24 | 0947 | 21 | 20. | 0.37 | 0.06 | 2.14 | 0.30 | 0.11 | 1.96 | 0.67 | 0.17 | 2.05 | 44.78 |
| 80/ 2/24 | 0947 | 21 | 25. | 0.56 | 0.06 | 2.19 | 0.13 | 0.06 | 1.93 | 0.69 | 0.12 | 2.13 | 18.84 |
| 80/ 2/24 | 0947 | 21 | 30. | 0.43 | 0.03 | 2.25 | 0.10 | 0.05 | 1.89 | 0.52 | 0.07 | 2.16 | 19.23 |
| 80/ 2/24 | 0947 | 21 | 35. | 0.24 | 0.02 | 2.23 | 0.09 | 0.03 | 1.96 | 0.33 | 0.05 | 2.14 | 27.27 |
| 80/ 2/24 | 0947 | 21 | 50. | 0.64 | 0.0 | 2.34 | 0.17 | 0.09 | 1.86 | 0.81 | 0.09 | 2.20 | 20.99 |
| 80/ 2/24 | 0947 | 21 | 75. | 0.39 | 0.02 | 2.25 | 0.17 | 0.07 | 1.94 | 0.55 | 0.09 | 2.14 | 30.91 |
| 80/ 2/24 | 1343 | 22 | 1. | 0.26 | 0.03 | 2.17 | 0.20 | 0.12 | 1.84 | 0.47 | 0.15 | 2.00 | 42.55 |
| 80/ 2/24 | 1343 | 22 | 5. | 0.22 | 0.00 | 2.30 | 0.26 | 0.10 | 1.96 | 0.48 | 0.10 | 2.09 | 54.17 |
| 80/ 2/24 | 1343 | 22 | 10. | 0.87 | 0.07 | 2.23 | 0.07 | 0.28 | 1.26 | 0.94 | 0.35 | 1.96 | 7.45 |
| 80/ 2/24 | 1343 | 22 | 15. | 0.52 | 0.02 | 2.29 | 0.18 | 0.09 | 1.88 | 0.70 | 0.11 | 2.15 | 25.71 |
| 80/ 2/24 | 1343 | 22 | 20. | 0.51 | 0.03 | 2.25 | 0.19 | 0.11 | 1.83 | 0.70 | 0.14 | 2.10 | 27.14 |
| 80/ 2/24 | 1343 | 22 | 25. | 0.74 | 0.03 | 2.28 | 0.25 | 0.12 | 1.90 | 1.00 | 0.15 | 2.16 | 25.00 |
| 80/ 2/24 | 1343 | 22 | 30. | 0.42 | 0.07 | 2.14 | 0.23 | 0.09 | 1.96 | 0.65 | 0.16 | 2.07 | 35.38 |
| 80/ 2/24 | 1343 | 22 | 35. | 0.56 | 0.05 | 2.21 | 0.27 | 0.12 | 1.92 | 0.83 | 0.17 | 2.09 | 32.53 |
| 80/ 2/24 | 1343 | 22 | 50. | 0.39 | 0.06 | 2.15 | 0.24 | 0.12 | 1.89 | 0.63 | 0.18 | 2.04 | 38.10 |
| 80/ 2/24 | 1343 | 22 | 75. | 0.42 | 0.02 | 2.28 | 0.29 | 0.10 | 2.00 | 0.71 | 0.11 | 2.14 | 40.85 |
| 80/ 2/24 | 1714 | 23 | 1. | 2.29 | 0.23 | 2.20 | 0.25 | 0.11 | 1.91 | 2.54 | 0.35 | 2.17 | 9.84 |
| 80/ 2/24 | 1714 | 23 | 5. | 4.18 | 0.34 | 2.23 | 0.24 | 0.09 | 1.96 | 4.42 | 0.43 | 2.21 | 5.43 |
| 80/ 2/24 | 1714 | 23 | 10. | 2.81 | 0.06 | 2.30 | 0.32 | 0.15 | 1.89 | 3.13 | 0.21 | 2.24 | 10.22 |
| 80/ 2/24 | 1714 | 23 | 15. | 6.62 | 1.08 | 2.14 | 0.26 | 0.14 | 1.86 | 6.88 | 1.23 | 2.12 | 3.78 |
| 80/ 2/24 | 1714 | 23 | 20. | 4.45 | 0.34 | 2.23 | 0.30 | 0.20 | 1.80 | 4.74 | 0.53 | 2.19 | 6.33 |
| 80/ 2/24 | 1714 | 23 | 25. | 6.62 | 0.0 | 2.33 | 0.10 | 0.07 | 1.80 | 6.72 | 0.07 | 2.32 | 1.49 |
| 80/ 2/24 | 1714 | 23 | 30. | 5.36 | 0.20 | 2.28 | 0.20 | 0.13 | 1.79 | 5.56 | 0.34 | 2.25 | 3.60 |
| 80/ 2/24 | 1714 | 23 | 35. | 4.51 | 0.36 | 2.23 | 0.20 | 0.15 | 1.75 | 4.71 | 0.51 | 2.20 | 4.25 |

| DATE | | | TIME | CONSEC. | SAMPLE | NETPHYTOPLANKTON | | | NANNOPHYTOPLANKTON | | | TOTAL PHYTOPLANKTON | | | % NANNOPHYTOPLANKTON |
|------|------|-----|------|---------|--------|------------------|-------|-------|--------------------|-------|-------|---------------------|-------|-------|----------------------|
| YR | MO | DAY | EST | STATION | DEPTH | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | |
| | | | | | | MG/M3 | | | MG/M3 | | | MG/M3 | | | |
| 80/ | 2/24 | | 1714 | 23 | 50. | 1.37 | 0.15 | 2.20 | 0.16 | 0.13 | 1.72 | 1.53 | 0.28 | 2.12 | 10.46 |
| 80/ | 2/24 | | 1714 | 23 | 65. | 3.66 | 0.51 | 2.16 | 0.22 | 0.22 | 1.66 | 3.89 | 0.73 | 2.11 | 5.66 |
| 80/ | 2/24 | | 2035 | 24 | 1. | 4.18 | 0.69 | 2.14 | 0.19 | 0.08 | 1.95 | 4.38 | 0.76 | 2.13 | 4.54 |
| 80/ | 2/24 | | 2035 | 24 | 5. | 3.14 | 0.25 | 2.23 | 0.17 | 0.06 | 2.00 | 3.31 | 0.31 | 2.21 | 5.14 |
| 80/ | 2/24 | | 2035 | 24 | 10. | 2.88 | 0.25 | 2.22 | 0.17 | 0.09 | 1.88 | 3.05 | 0.34 | 2.19 | 5.57 |
| 80/ | 2/24 | | 2035 | 24 | 15. | 5.03 | 0.44 | 2.22 | 0.15 | 0.09 | 1.82 | 5.19 | 0.54 | 2.20 | 2.89 |
| 80/ | 2/24 | | 2035 | 24 | 20. | 8.51 | 0.85 | 2.20 | 0.14 | 0.10 | 1.76 | 8.65 | 0.95 | 2.19 | 1.62 |
| 80/ | 2/24 | | 2035 | 24 | 25. | 2.42 | 0.28 | 2.19 | 0.09 | 0.08 | 1.72 | 2.51 | 0.35 | 2.16 | 3.59 |
| 80/ | 2/24 | | 2035 | 24 | 30. | 2.42 | 0.19 | 2.23 | 0.17 | 0.13 | 1.75 | 2.59 | 0.32 | 2.18 | 6.56 |
| 80/ | 2/24 | | 2035 | 24 | 35. | 1.37 | 0.26 | 2.11 | 0.20 | 0.10 | 1.87 | 1.57 | 0.36 | 2.08 | 12.74 |
| 80/ | 2/24 | | 2035 | 24 | 50. | 5.36 | 0.73 | 2.17 | 0.16 | 0.19 | 1.61 | 5.52 | 0.92 | 2.14 | 2.90 |
| 80/ | 2/24 | | 2035 | 24 | 55. | 4.76 | 0.55 | 2.19 | 0.10 | 0.15 | 1.55 | 4.87 | 0.69 | 2.16 | 2.05 |
| 80/ | 2/24 | | 2335 | 25 | 1. | 1.06 | 0.10 | 2.21 | 0.11 | 0.02 | 2.08 | 1.16 | 0.12 | 2.20 | 9.48 |
| 80/ | 2/24 | | 2335 | 25 | 5. | 1.34 | 0.11 | 2.22 | 0.17 | 0.10 | 1.81 | 1.51 | 0.22 | 2.16 | 11.26 |
| 80/ | 2/24 | | 2335 | 25 | 10. | 1.96 | 0.30 | 2.15 | 0.13 | 0.04 | 2.00 | 2.09 | 0.34 | 2.14 | 6.22 |
| 80/ | 2/24 | | 2335 | 25 | 15. | 1.76 | 0.22 | 2.18 | 0.11 | 0.05 | 1.95 | 1.87 | 0.27 | 2.16 | 5.88 |
| 80/ | 2/24 | | 2335 | 25 | 20. | 1.60 | 0.11 | 2.24 | 0.14 | 0.07 | 1.88 | 1.74 | 0.18 | 2.20 | 8.05 |
| 80/ | 2/24 | | 2335 | 25 | 25. | 1.76 | 0.25 | 2.16 | 0.11 | 0.05 | 1.90 | 1.87 | 0.30 | 2.14 | 5.88 |
| 80/ | 2/24 | | 2335 | 25 | 30. | 1.20 | 0.23 | 2.11 | 0.15 | 0.10 | 1.78 | 1.35 | 0.34 | 2.06 | 11.11 |
| 80/ | 2/24 | | 2335 | 25 | 35. | 0.93 | 0.06 | 2.25 | 0.14 | 0.08 | 1.83 | 1.07 | 0.14 | 2.17 | 13.08 |
| 80/ | 2/24 | | 2335 | 25 | 50. | 1.74 | 0.08 | 2.27 | 0.12 | 0.07 | 1.83 | 1.86 | 0.15 | 2.23 | 6.45 |
| 80/ | 2/24 | | 2335 | 25 | 75. | 2.03 | 0.15 | 2.24 | 0.08 | 0.02 | 2.06 | 2.10 | 0.17 | 2.23 | 3.81 |
| 80/ | 2/25 | | 0302 | 26 | 1. | 0.21 | 0.0 | 2.33 | 0.17 | 0.04 | 2.05 | 0.38 | 0.04 | 2.19 | 44.74 |
| 80/ | 2/25 | | 0302 | 26 | 5. | 0.20 | 0.0 | 2.34 | 0.22 | 0.05 | 2.09 | 0.42 | 0.05 | 2.20 | 52.38 |
| 80/ | 2/25 | | 0302 | 26 | 10. | 0.35 | 0.01 | 2.28 | 0.29 | 0.10 | 2.00 | 0.65 | 0.11 | 2.13 | 44.62 |
| 80/ | 2/25 | | 0302 | 26 | 15. | 0.16 | 0.02 | 2.20 | 0.18 | 0.06 | 2.00 | 0.33 | 0.07 | 2.08 | 54.55 |
| 80/ | 2/25 | | 0302 | 26 | 20. | 0.27 | 0.02 | 2.23 | 0.14 | 0.06 | 1.93 | 0.42 | 0.08 | 2.11 | 33.33 |
| 80/ | 2/25 | | 0302 | 26 | 25. | 0.26 | 0.02 | 2.25 | 0.20 | 0.08 | 1.95 | 0.46 | 0.09 | 2.10 | 43.48 |
| 80/ | 2/25 | | 0302 | 26 | 30. | 0.36 | 0.04 | 2.19 | 0.32 | 0.16 | 1.88 | 0.68 | 0.20 | 2.02 | 47.06 |
| 80/ | 2/25 | | 0302 | 26 | 35. | 0.18 | 0.01 | 2.27 | 0.12 | 0.05 | 1.92 | 0.30 | 0.06 | 2.10 | 40.00 |
| 80/ | 2/25 | | 0302 | 26 | 50. | 0.22 | 0.05 | 2.10 | 0.10 | 0.05 | 1.87 | 0.32 | 0.10 | 2.01 | 31.25 |
| 80/ | 2/25 | | 0302 | 26 | 75. | 0.25 | 0.03 | 2.18 | 0.12 | 0.06 | 1.86 | 0.37 | 0.09 | 2.05 | 32.43 |
| 80/ | 2/25 | | 0615 | 27 | 1. | 2.62 | 0.17 | 2.25 | 0.20 | 0.14 | 1.80 | 2.82 | 0.30 | 2.20 | 7.09 |
| 80/ | 2/25 | | 0615 | 27 | 5. | 2.48 | 0.30 | 2.18 | 0.17 | 0.13 | 1.75 | 2.65 | 0.43 | 2.14 | 6.42 |
| 80/ | 2/25 | | 0615 | 27 | 10. | 1.90 | 0.10 | 2.26 | 0.17 | 0.09 | 1.87 | 2.06 | 0.19 | 2.21 | 8.25 |
| 80/ | 2/25 | | 0615 | 27 | 15. | 2.29 | 0.15 | 2.25 | 0.20 | 0.12 | 1.84 | 2.49 | 0.26 | 2.20 | 8.03 |
| 80/ | 2/25 | | 0615 | 27 | 20. | 2.75 | 0.21 | 2.23 | 0.31 | 0.22 | 1.77 | 3.05 | 0.43 | 2.16 | 10.16 |
| 80/ | 2/25 | | 0615 | 27 | 25. | 4.05 | 0.21 | 2.26 | 0.16 | 0.08 | 1.87 | 4.22 | 0.29 | 2.24 | 3.79 |

| DATE YR MO DY | TIME EST | CONSEC. STATION | SAMPLE DEPTH | NETPHYTOPLANKTON MG/M3 | | | NANNOPHYTOPLANKTON MG/M3 | | | TOTAL PHYTOPLANKTON MG/M3 | | | % NANNOPHYTOPLANKTON |
|------------------|-------------|--------------------|-----------------|---------------------------|-------|-------|-----------------------------|-------|-------|------------------------------|-------|-------|----------------------|
| | | | | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | |
| 80/ 2/25 | 0615 | 27 | 30. | 3.20 | 0.19 | 2.25 | 0.17 | 0.08 | 1.90 | 3.37 | 0.27 | 2.23 | 5.04 |
| 80/ 2/25 | 0615 | 27 | 35. | 2.16 | 0.19 | 2.22 | 0.14 | 0.08 | 1.85 | 2.30 | 0.27 | 2.19 | 6.09 |
| 80/ 2/25 | 0615 | 27 | 50. | 2.81 | 0.06 | 2.30 | 0.14 | 0.06 | 1.90 | 2.95 | 0.12 | 2.27 | 4.75 |
| 80/ 2/25 | 0615 | 27 | 75. | 2.75 | 0.21 | 2.23 | 0.10 | 0.08 | 1.72 | 2.84 | 0.29 | 2.20 | 3.52 |
| 80/ 2/25 | 1050 | 28 | 1. | 0.87 | 0.09 | 2.20 | 0.20 | 0.09 | 1.91 | 1.07 | 0.18 | 2.13 | 18.69 |
| 80/ 2/25 | 1050 | 28 | 5. | 0.57 | 0.07 | 2.19 | 0.28 | 0.13 | 1.91 | 0.85 | 0.20 | 2.08 | 32.94 |
| 80/ 2/25 | 1050 | 28 | 10. | 0.58 | 0.06 | 2.20 | 0.20 | 0.08 | 1.93 | 0.77 | 0.14 | 2.12 | 25.97 |
| 80/ 2/25 | 1050 | 28 | 15. | 0.60 | 0.06 | 2.20 | 0.40 | 0.17 | 1.93 | 1.00 | 0.23 | 2.08 | 40.00 |
| 80/ 2/25 | 1050 | 28 | 20. | 0.54 | 0.06 | 2.18 | 0.38 | 0.20 | 1.86 | 0.92 | 0.27 | 2.02 | 41.30 |
| 80/ 2/25 | 1050 | 28 | 25. | 0.54 | 0.06 | 2.20 | 0.33 | 0.15 | 1.92 | 0.87 | 0.20 | 2.07 | 37.93 |
| 80/ 2/25 | 1050 | 28 | 30. | 0.52 | 0.07 | 2.17 | 0.46 | 0.19 | 1.93 | 0.97 | 0.26 | 2.05 | 47.42 |
| 80/ 2/25 | 1050 | 28 | 35. | 0.29 | 0.03 | 2.22 | 0.37 | 0.18 | 1.89 | 0.66 | 0.21 | 2.01 | 56.06 |
| 80/ 2/25 | 1050 | 28 | 50. | 0.42 | 0.03 | 2.23 | 0.21 | 0.06 | 2.02 | 0.63 | 0.10 | 2.15 | 33.33 |
| 80/ 2/25 | 1050 | 28 | 75. | 0.21 | 0.02 | 2.22 | 0.32 | 0.13 | 1.94 | 0.52 | 0.15 | 2.03 | 61.54 |
| 80/ 2/25 | 1807 | 29 | 1. | | | | 0.38 | 0.36 | 1.68 | | | | 0.0 |
| 80/ 2/25 | 1807 | 29 | 5. | 4.18 | 0.51 | 2.18 | 0.43 | 0.24 | 1.85 | 4.61 | 0.75 | 2.14 | 9.33 |
| 80/ 2/25 | 1807 | 29 | 10. | 6.41 | 0.47 | 2.24 | 0.31 | 0.19 | 1.82 | 6.72 | 0.65 | 2.21 | 4.61 |
| 80/ 2/25 | 1807 | 29 | 15. | 8.48 | 0.87 | 2.20 | 0.38 | 0.28 | 1.76 | 8.87 | 1.16 | 2.17 | 4.28 |
| 80/ 2/25 | 1807 | 29 | 20. | 4.64 | 0.23 | 2.26 | 0.20 | 0.04 | 2.13 | 4.84 | 0.26 | 2.26 | 4.13 |
| 80/ 2/25 | 1807 | 29 | 24. | 8.28 | 0.53 | 2.25 | 0.47 | 0.23 | 1.88 | 8.75 | 0.76 | 2.22 | 5.37 |
| 80/ 2/25 | 2225 | 30 | 1. | 0.14 | 0.03 | 2.09 | 0.38 | 0.20 | 1.86 | 0.52 | 0.23 | 1.91 | 73.08 |
| 80/ 2/25 | 2225 | 30 | 5. | 0.26 | 0.03 | 2.18 | 0.30 | 0.24 | 1.73 | 0.56 | 0.27 | 1.89 | 53.57 |
| 80/ 2/25 | 2225 | 30 | 10. | 0.27 | 0.04 | 2.17 | 0.17 | 0.15 | 1.69 | 0.44 | 0.19 | 1.92 | 38.64 |
| 80/ 2/25 | 2225 | 30 | 15. | 0.47 | 0.05 | 2.20 | 0.24 | 0.23 | 1.68 | 0.71 | 0.28 | 1.95 | 33.80 |
| 80/ 2/25 | 2225 | 30 | 20. | 0.40 | 0.00 | 2.32 | 0.28 | 0.20 | 1.76 | 0.68 | 0.20 | 2.02 | 41.18 |
| 80/ 2/25 | 2225 | 30 | 25. | 0.27 | 0.10 | 1.97 | 0.34 | 0.22 | 1.80 | 0.60 | 0.32 | 1.86 | 56.67 |
| 80/ 2/25 | 2225 | 30 | 30. | 0.54 | 0.05 | 2.22 | 0.23 | 0.19 | 1.73 | 0.78 | 0.24 | 2.01 | 29.49 |
| 80/ 2/25 | 2225 | 30 | 35. | 0.49 | 0.07 | 2.15 | 0.31 | 0.26 | 1.72 | 0.80 | 0.33 | 1.93 | 38.75 |
| 80/ 2/25 | 2225 | 30 | 50. | 0.40 | 0.04 | 2.22 | 0.25 | 0.22 | 1.70 | 0.65 | 0.25 | 1.95 | 38.46 |
| 80/ 2/26 | 0130 | 31 | 1. | 0.29 | 0.04 | 2.15 | 0.75 | 0.35 | 1.91 | 1.04 | 0.39 | 1.96 | 72.12 |
| 80/ 2/26 | 0130 | 31 | 5. | 0.20 | 0.02 | 2.20 | 0.59 | 0.27 | 1.90 | 0.78 | 0.29 | 1.96 | 75.64 |
| 80/ 2/26 | 0130 | 31 | 9. | 0.16 | 0.02 | 2.16 | 0.88 | 0.27 | 2.01 | 1.04 | 0.29 | 2.03 | 84.62 |
| 80/ 2/26 | 0130 | 31 | 14. | 0.14 | 0.02 | 2.16 | 0.65 | 0.29 | 1.91 | 0.79 | 0.31 | 1.95 | 82.28 |
| 80/ 2/26 | 0130 | 31 | 19. | 0.14 | 0.01 | 2.26 | 0.37 | 0.16 | 1.92 | 0.51 | 0.17 | 1.99 | 72.55 |
| 80/ 2/26 | 0130 | 31 | 23. | 0.27 | 0.06 | 2.10 | 0.38 | 0.17 | 1.92 | 0.66 | 0.22 | 1.99 | 57.58 |
| 80/ 2/26 | 0130 | 31 | 28. | 0.30 | 0.03 | 2.21 | 0.22 | 0.12 | 1.85 | 0.52 | 0.15 | 2.02 | 42.31 |
| 80/ 2/26 | 0130 | 31 | 32. | 0.28 | 0.07 | 2.07 | 0.21 | 0.13 | 1.82 | 0.50 | 0.20 | 1.94 | 42.00 |
| 80/ 2/26 | 0130 | 31 | 46. | 0.33 | 0.05 | 2.15 | 0.10 | 0.07 | 1.79 | 0.43 | 0.11 | 2.05 | 23.26 |

| DATE | TIME | CONSEC. | SAMPLE | NEI PHYTOPLANKTON | | | NANNOPHYTOPLANKTON | | | TOTAL PHYTOPLANKTON | | | % NANNOPLANKTON | | |
|------|------|---------|--------|-------------------|-------|-------|--------------------|-------|-------|---------------------|-------|-------|-----------------|-------|-------|
| | | | | MG/M3 | MG/M3 | MG/M3 | MG/M3 | MG/M3 | MG/M3 | MG/M3 | MG/M3 | MG/M3 | | | |
| YR | MO | DAY | EST | STATION | DEPTH | CHL A | PHAEO | FC/FA | CHL A | PHAEO | FC/FA | CHL A | PHAEO | FC/FA | |
| 80/ | 2/26 | | 0130 | 31 | 70. | 0.21 | 0.03 | 2.14 | 0.18 | 0.19 | 1.65 | 0.39 | 0.22 | 1.84 | 46.15 |
| 80/ | 2/26 | | 1520 | 32 | 1. | 2.42 | 0.19 | 2.23 | 0.19 | 0.12 | 1.82 | 2.61 | 0.31 | 2.18 | 7.28 |
| 80/ | 2/26 | | 1520 | 32 | 5. | 2.42 | 0.36 | 2.15 | 0.34 | 0.27 | 1.74 | 2.76 | 0.63 | 2.08 | 12.32 |
| 80/ | 2/26 | | 1520 | 32 | 9. | 2.62 | 0.25 | 2.21 | 0.43 | 0.36 | 1.72 | 3.04 | 0.61 | 2.10 | 14.14 |
| 80/ | 2/26 | | 1520 | 32 | 14. | 1.51 | 0.14 | 2.21 | 0.43 | 0.36 | 1.72 | 1.94 | 0.50 | 2.05 | 22.16 |
| 80/ | 2/26 | | 1520 | 32 | 19. | 2.29 | 0.15 | 2.25 | 0.33 | 0.24 | 1.77 | 2.62 | 0.38 | 2.15 | 12.60 |
| 80/ | 2/26 | | 1520 | 32 | 23. | 2.55 | 0.32 | 2.18 | 0.31 | 0.19 | 1.81 | 2.86 | 0.51 | 2.12 | 10.84 |
| 80/ | 2/26 | | 1520 | 32 | 28. | 2.48 | 0.30 | 2.18 | 0.24 | 0.08 | 2.00 | 2.73 | 0.38 | 2.16 | 8.79 |
| 80/ | 2/26 | | 1520 | 32 | 33. | 2.81 | 0.06 | 2.30 | 0.23 | 0.17 | 1.76 | 3.04 | 0.23 | 2.23 | 7.57 |
| 80/ | 2/28 | | 1835 | 33 | 1. | 0.24 | 0.04 | 2.12 | 0.17 | 0.15 | 1.71 | 0.41 | 0.19 | 1.90 | 41.06 |
| 80/ | 2/28 | | 1835 | 33 | 4. | | | | 0.13 | 0.09 | 1.77 | | | | 0.0 |
| 80/ | 2/28 | | 1835 | 33 | 8. | 0.19 | 0.03 | 2.16 | 0.34 | 0.18 | 1.85 | 0.52 | 0.21 | 1.94 | 65.38 |
| 80/ | 2/28 | | 1835 | 33 | 11. | 0.08 | 0.02 | 2.11 | 0.19 | 0.14 | 1.76 | 0.27 | 0.15 | 1.84 | 70.37 |
| 80/ | 2/28 | | 1835 | 33 | 15. | 0.07 | 0.01 | 2.14 | 0.43 | 0.32 | 1.76 | 0.49 | 0.33 | 1.79 | 87.76 |
| 80/ | 2/28 | | 1835 | 33 | 19. | 0.08 | 0.02 | 2.11 | 0.29 | 0.19 | 1.80 | 0.37 | 0.20 | 1.85 | 78.38 |
| 80/ | 2/28 | | 1835 | 33 | 23. | 0.10 | 0.01 | 2.19 | 0.22 | 0.17 | 1.76 | 0.33 | 0.18 | 1.85 | 66.67 |
| 80/ | 2/28 | | 1835 | 33 | 26. | 0.12 | 0.02 | 2.15 | 0.35 | 0.24 | 1.79 | 0.48 | 0.26 | 1.86 | 72.92 |
| 80/ | 2/28 | | 1835 | 33 | 38. | 0.09 | 0.02 | 2.10 | 0.38 | 0.28 | 1.76 | 0.47 | 0.30 | 1.81 | 80.85 |
| 80/ | 2/28 | | 1835 | 33 | 57. | 0.08 | 0.02 | 2.08 | 0.43 | 0.26 | 1.82 | 0.51 | 0.28 | 1.86 | 64.31 |
| 80/ | 2/28 | | 2150 | 34 | 1. | 0.03 | 0.02 | 1.89 | 0.54 | 0.30 | 1.86 | 0.58 | 0.31 | 1.86 | 93.10 |
| 80/ | 2/28 | | 2150 | 34 | 4. | 0.05 | 0.01 | 2.04 | 0.37 | 0.24 | 1.80 | 0.42 | 0.25 | 1.82 | 88.10 |
| 80/ | 2/28 | | 2150 | 34 | 9. | 0.04 | 0.02 | 1.96 | 0.47 | 0.31 | 1.80 | 0.51 | 0.33 | 1.81 | 92.16 |
| 80/ | 2/28 | | 2150 | 34 | 13. | 0.02 | 0.01 | 1.81 | 0.43 | 0.24 | 1.85 | 0.45 | 0.25 | 1.85 | 95.56 |
| 80/ | 2/28 | | 2150 | 34 | 17. | 0.04 | 0.02 | 1.87 | 0.40 | 0.23 | 1.84 | 0.43 | 0.25 | 1.84 | 93.02 |
| 80/ | 2/28 | | 2150 | 34 | 21. | 0.03 | 0.02 | 1.88 | 0.38 | 0.24 | 1.81 | 0.41 | 0.26 | 1.81 | 92.68 |
| 80/ | 2/28 | | 2150 | 34 | 26. | 0.07 | 0.01 | 2.10 | 0.37 | 0.24 | 1.80 | 0.43 | 0.25 | 1.84 | 86.05 |
| 80/ | 2/28 | | 2150 | 34 | 30. | 0.03 | 0.01 | 1.98 | 0.17 | 0.13 | 1.75 | 0.20 | 0.14 | 1.78 | 85.00 |
| 80/ | 2/28 | | 2150 | 34 | 43. | 0.03 | 0.02 | 1.81 | 0.18 | 0.10 | 1.84 | 0.20 | 0.12 | 1.84 | 90.00 |
| 80/ | 2/28 | | 2150 | 34 | 64. | 0.03 | 0.02 | 1.79 | 0.20 | 0.15 | 1.75 | 0.23 | 0.17 | 1.75 | 86.96 |
| 80/ | 2/29 | | 0347 | 35 | 1. | 0.26 | 0.05 | 2.11 | 0.34 | 0.04 | 2.20 | 0.60 | 0.09 | 2.15 | 56.67 |
| 80/ | 2/29 | | 0347 | 35 | 5. | 0.18 | 0.04 | 2.08 | 0.50 | 0.01 | 2.30 | 0.68 | 0.05 | 2.24 | 73.53 |
| 80/ | 2/29 | | 0347 | 35 | 10. | 0.13 | 0.03 | 2.10 | 0.15 | 0.17 | 1.61 | 0.28 | 0.20 | 1.77 | 53.57 |
| 80/ | 2/29 | | 0347 | 35 | 15. | 0.23 | 0.03 | 2.16 | 0.22 | 0.15 | 1.79 | 0.45 | 0.18 | 1.95 | 48.89 |
| 80/ | 2/29 | | 0347 | 35 | 20. | 0.12 | 0.03 | 2.07 | 0.28 | 0.23 | 1.73 | 0.40 | 0.26 | 1.81 | 70.00 |
| 80/ | 2/29 | | 0347 | 35 | 25. | 0.16 | 0.03 | 2.08 | 0.23 | 0.19 | 1.73 | 0.39 | 0.22 | 1.84 | 58.97 |
| 80/ | 2/29 | | 0347 | 35 | 30. | 0.24 | 0.05 | 2.12 | 0.35 | 0.27 | 1.75 | 0.60 | 0.32 | 1.86 | 58.33 |
| 80/ | 2/29 | | 0347 | 35 | 34. | 0.14 | 0.03 | 2.09 | 0.29 | 0.21 | 1.77 | 0.44 | 0.24 | 1.85 | 65.91 |
| 80/ | 2/29 | | 0347 | 35 | 49. | 0.27 | 0.09 | 2.00 | 0.10 | 0.10 | 1.68 | 0.38 | 0.19 | 1.89 | 26.32 |

| DATE | TIME | CONSEC. STATION | SAMPLE DEPTH | NETPHYTOPLANKTON MG/M3 | | | NANNOPHYTOPLANKTON MG/M3 | | | TOTAL PHYTOPLANKTON MG/M3 | | | % NANNOPHYTOPLANKTON |
|----------|------|-----------------|--------------|---------------------------|-------|-------|-----------------------------|-------|-------|------------------------------|-------|-------|----------------------|
| | | | | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | |
| 80/ 3/ 1 | 1322 | 36 | 1. | 1.12 | 0.26 | 2.08 | 0.46 | 0.35 | 1.75 | 1.57 | 0.60 | 1.96 | 29.30 |
| 80/ 3/ 1 | 1322 | 36 | 5. | 1.10 | 0.25 | 2.08 | 0.54 | 0.34 | 1.82 | 1.64 | 0.59 | 1.97 | 32.93 |
| 80/ 3/ 1 | 1322 | 36 | 9. | 0.60 | 0.12 | 2.11 | 0.32 | 0.25 | 1.73 | 0.92 | 0.37 | 1.94 | 34.78 |
| 80/ 3/ 1 | 1322 | 36 | 14. | 0.87 | 0.12 | 2.16 | 0.60 | 0.49 | 1.73 | 1.47 | 0.61 | 1.93 | 40.82 |
| 80/ 3/ 1 | 1322 | 36 | 18. | 0.70 | 0.07 | 2.21 | 0.37 | 0.36 | 1.67 | 1.07 | 0.42 | 1.95 | 34.58 |
| 80/ 3/ 1 | 1322 | 36 | 23. | 0.64 | 0.07 | 2.19 | 0.35 | 0.25 | 1.77 | 0.99 | 0.33 | 2.00 | 35.35 |
| 80/ 3/ 1 | 1645 | 37 | 1. | 4.32 | 0.29 | 2.24 | 0.57 | 0.37 | 1.81 | 4.89 | 0.66 | 2.17 | 11.66 |
| 80/ 3/ 1 | 1645 | 37 | 5. | 4.45 | 0.42 | 2.21 | 0.35 | 0.25 | 1.77 | 4.80 | 0.68 | 2.16 | 7.29 |
| 80/ 3/ 1 | 1645 | 37 | 10. | 3.73 | 0.36 | 2.21 | 0.47 | 0.39 | 1.72 | 4.20 | 0.75 | 2.12 | 11.19 |
| 80/ 3/ 1 | 1645 | 37 | 15. | 4.38 | 0.32 | 2.24 | 0.72 | 0.55 | 1.75 | 5.10 | 0.67 | 2.13 | 14.12 |
| 80/ 3/ 1 | 1645 | 37 | 20. | 4.45 | 0.42 | 2.21 | 0.53 | 0.43 | 1.73 | 4.98 | 0.85 | 2.13 | 10.64 |
| 80/ 3/ 1 | 1645 | 37 | 25. | 3.53 | 0.30 | 2.22 | 0.35 | 0.27 | 1.75 | 3.88 | 0.57 | 2.16 | 9.02 |
| 80/ 3/ 1 | 1920 | 38 | 1. | 5.49 | 0.77 | 2.16 | 0.77 | 0.72 | 1.68 | 6.26 | 1.49 | 2.07 | 12.30 |
| 80/ 3/ 1 | 1920 | 38 | 5. | 5.30 | 0.44 | 2.22 | 1.10 | 0.25 | 2.08 | 6.40 | 0.69 | 2.20 | 17.19 |
| 80/ 3/ 1 | 1920 | 38 | 10. | 5.30 | 0.18 | 2.28 | 0.78 | 0.86 | 1.63 | 6.08 | 1.05 | 2.13 | 12.83 |
| 80/ 3/ 1 | 1920 | 38 | 15. | 5.95 | 0.40 | 2.24 | 0.65 | 0.70 | 1.63 | 6.60 | 1.10 | 2.13 | 9.85 |
| 80/ 3/ 1 | 1920 | 38 | 20. | 4.77 | 0.44 | 2.21 | 0.77 | 0.74 | 1.67 | 5.54 | 1.19 | 2.09 | 13.90 |
| 80/ 3/ 1 | 1920 | 38 | 25. | 5.10 | 0.29 | 2.25 | 0.78 | 0.84 | 1.63 | 5.88 | 1.14 | 2.11 | 13.27 |
| 80/ 3/ 1 | 2320 | 39 | 1. | 0.72 | 0.13 | 2.12 | 0.35 | 0.43 | 1.60 | 1.08 | 0.56 | 1.87 | 32.41 |
| 80/ 3/ 1 | 2320 | 39 | 5. | 0.60 | 0.09 | 2.16 | 0.16 | 0.17 | 1.64 | 0.76 | 0.26 | 1.99 | 21.05 |
| 80/ 3/ 1 | 2320 | 39 | 10. | 0.56 | 0.02 | 2.28 | 0.18 | 0.18 | 1.66 | 0.74 | 0.20 | 2.04 | 24.32 |
| 80/ 3/ 1 | 2320 | 39 | 15. | 0.58 | 0.05 | 2.21 | 0.43 | 0.38 | 1.70 | 1.01 | 0.43 | 1.93 | 42.57 |
| 80/ 3/ 1 | 2320 | 39 | 20. | 0.70 | 0.15 | 2.09 | 0.27 | 0.27 | 1.67 | 0.98 | 0.42 | 1.93 | 27.55 |
| 80/ 3/ 1 | 2320 | 39 | 25. | 0.60 | 0.14 | 2.07 | 0.16 | 0.13 | 1.72 | 0.76 | 0.28 | 1.97 | 21.05 |
| 80/ 3/ 1 | 2320 | 39 | 30. | 0.77 | 0.03 | 2.27 | 0.40 | 0.37 | 1.69 | 1.16 | 0.40 | 1.99 | 34.48 |
| 80/ 3/ 1 | 2320 | 39 | 35. | 0.32 | 0.03 | 2.22 | 0.35 | 0.31 | 1.70 | 0.67 | 0.34 | 1.88 | 52.24 |
| 80/ 3/ 1 | 2320 | 39 | 50. | 0.74 | 0.11 | 2.16 | 0.29 | 0.29 | 1.66 | 1.04 | 0.40 | 1.95 | 27.88 |
| 80/ 3/ 1 | 2320 | 39 | 60. | 0.46 | 0.11 | 2.07 | 0.29 | 0.27 | 1.68 | 0.75 | 0.38 | 1.87 | 38.67 |
| 80/ 3/ 2 | 0225 | 40 | 1. | 0.14 | 0.02 | 2.13 | 0.26 | 0.20 | 1.75 | 0.40 | 0.22 | 1.85 | 65.00 |
| 80/ 3/ 2 | 0225 | 40 | 5. | 0.05 | 0.01 | 2.14 | 0.29 | 0.21 | 1.76 | 0.34 | 0.22 | 1.80 | 85.29 |
| 80/ 3/ 2 | 0225 | 40 | 10. | 0.11 | 0.01 | 2.17 | 0.23 | 0.26 | 1.62 | 0.34 | 0.28 | 1.73 | 67.65 |
| 80/ 3/ 2 | 0225 | 40 | 14. | 0.05 | 0.0 | 2.48 | 0.21 | 0.24 | 1.62 | 0.26 | 0.24 | 1.70 | 80.77 |
| 80/ 3/ 2 | 0225 | 40 | 19. | 0.10 | 0.01 | 2.20 | 0.46 | 0.31 | 1.79 | 0.56 | 0.32 | 1.84 | 82.14 |
| 80/ 3/ 2 | 0225 | 40 | 24. | 0.14 | 0.02 | 2.17 | 0.30 | 0.22 | 1.76 | 0.43 | 0.24 | 1.85 | 69.77 |
| 80/ 3/ 2 | 0225 | 40 | 29. | 0.10 | 0.0 | 2.42 | 0.26 | 0.16 | 1.82 | 0.36 | 0.16 | 1.93 | 72.22 |
| 80/ 3/ 2 | 0225 | 40 | 34. | 0.04 | 0.00 | 2.32 | 0.71 | 0.51 | 1.77 | 0.75 | 0.51 | 1.79 | 94.67 |
| 80/ 3/ 2 | 0225 | 40 | 48. | 0.05 | 0.0 | 2.33 | 0.32 | 0.23 | 1.77 | 0.37 | 0.23 | 1.82 | 86.49 |
| 80/ 3/ 2 | 0225 | 40 | 72. | 0.06 | 0.00 | 2.32 | 0.33 | 0.22 | 1.79 | 0.39 | 0.22 | 1.84 | 84.62 |

| DATE YR MO DY | TIME EST | CONSEC. STATION | SAMPLE DEPTH | NETPHYTOPLANKTON MG/M3 | | | NANOPHYTOPLANKTON MG/M3 | | | TOTAL PHYTOPLANKTON MG/M3 | | | % NANNOPLANKTON |
|------------------|-------------|--------------------|-----------------|---------------------------|-------|-------|----------------------------|-------|-------|------------------------------|-------|-------|-----------------|
| | | | | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | |
| 80/ 3/ 2 | 0535 | 41 | 1. | 0.02 | 0.00 | 2.20 | 0.41 | 0.21 | 1.87 | 0.43 | 0.22 | 1.88 | 95.35 |
| 80/ 3/ 2 | 0535 | 41 | 4. | 0.05 | 0.01 | 2.09 | 0.40 | 0.21 | 1.87 | 0.44 | 0.22 | 1.88 | 90.91 |
| 80/ 3/ 2 | 0535 | 41 | 8. | 0.03 | 0.01 | 2.05 | 0.29 | 0.16 | 1.86 | 0.31 | 0.16 | 1.87 | 93.55 |
| 80/ 3/ 2 | 0535 | 41 | 12. | 0.07 | 0.02 | 2.06 | 0.15 | 0.07 | 1.88 | 0.22 | 0.09 | 1.93 | 68.18 |
| 80/ 3/ 2 | 0535 | 41 | 17. | 0.04 | 0.01 | 2.13 | 0.28 | 0.20 | 1.76 | 0.32 | 0.21 | 1.80 | 87.50 |
| 80/ 3/ 2 | 0535 | 41 | 21. | 0.03 | 0.01 | 1.98 | 0.40 | 0.23 | 1.84 | 0.43 | 0.24 | 1.85 | 93.02 |
| 80/ 3/ 2 | 0535 | 41 | 25. | 0.04 | 0.01 | 2.01 | 0.47 | 0.27 | 1.84 | 0.51 | 0.29 | 1.85 | 92.16 |
| 80/ 3/ 2 | 0535 | 41 | 29. | 0.02 | 0.01 | 1.86 | 0.38 | 0.20 | 1.86 | 0.40 | 0.21 | 1.86 | 95.00 |
| 80/ 3/ 2 | 0535 | 41 | 41. | 0.03 | 0.01 | 2.02 | 0.38 | 0.20 | 1.86 | 0.41 | 0.21 | 1.87 | 92.68 |
| 80/ 3/ 2 | 0535 | 41 | 62. | 0.01 | 0.01 | 1.84 | 0.08 | 0.05 | 1.86 | 0.09 | 0.05 | 1.86 | 88.89 |
| 80/ 3/ 2 | 0950 | 42 | 1. | 0.03 | 0.01 | 1.85 | 0.40 | 0.23 | 1.84 | 0.42 | 0.24 | 1.84 | 95.24 |
| 80/ 3/ 2 | 0950 | 42 | 5. | 0.04 | 0.02 | 1.94 | 0.47 | 0.31 | 1.80 | 0.51 | 0.33 | 1.80 | 92.16 |
| 80/ 3/ 2 | 0950 | 42 | 9. | 0.04 | 0.01 | 2.04 | 0.44 | 0.32 | 1.76 | 0.49 | 0.33 | 1.78 | 89.80 |
| 80/ 3/ 2 | 0950 | 42 | 14. | 0.03 | 0.01 | 1.95 | 0.43 | 0.28 | 1.80 | 0.45 | 0.29 | 1.81 | 95.56 |
| 80/ 3/ 2 | 0950 | 42 | 18. | 0.05 | 0.02 | 2.00 | 0.35 | 0.21 | 1.82 | 0.41 | 0.23 | 1.84 | 85.37 |
| 80/ 3/ 2 | 0950 | 42 | 23. | 0.05 | 0.02 | 1.98 | 0.44 | 0.30 | 1.78 | 0.49 | 0.32 | 1.80 | 89.80 |
| 80/ 3/ 2 | 0950 | 42 | 27. | 0.05 | 0.01 | 2.10 | 0.37 | 0.26 | 1.78 | 0.41 | 0.27 | 1.80 | 90.24 |
| 80/ 3/ 2 | 0950 | 42 | 32. | 0.04 | 0.01 | 2.00 | 0.29 | 0.17 | 1.83 | 0.33 | 0.18 | 1.85 | 87.88 |
| 80/ 3/ 2 | 0950 | 42 | 46. | 0.03 | 0.01 | 2.13 | 0.32 | 0.23 | 1.77 | 0.35 | 0.23 | 1.79 | 91.43 |
| 80/ 3/ 2 | 0950 | 42 | 69. | 0.04 | 0.01 | 2.05 | 0.33 | 0.22 | 1.79 | 0.37 | 0.23 | 1.81 | 89.19 |
| 80/ 3/ 2 | 1307 | 43 | 1. | 0.06 | 0.02 | 2.00 | 0.35 | 0.21 | 1.82 | 0.41 | 0.23 | 1.84 | 85.37 |
| 80/ 3/ 2 | 1307 | 43 | 4. | 0.04 | 0.01 | 2.09 | 0.50 | 0.28 | 1.85 | 0.54 | 0.29 | 1.86 | 92.59 |
| 80/ 3/ 2 | 1307 | 43 | 9. | 0.04 | 0.01 | 2.10 | 0.51 | 0.33 | 1.81 | 0.56 | 0.33 | 1.83 | 91.07 |
| 80/ 3/ 2 | 1307 | 43 | 13. | 0.04 | 0.01 | 2.06 | 0.43 | 0.26 | 1.82 | 0.47 | 0.27 | 1.84 | 91.49 |
| 80/ 3/ 2 | 1307 | 43 | 17. | 0.04 | 0.01 | 2.03 | 0.51 | 0.27 | 1.87 | 0.55 | 0.28 | 1.88 | 92.73 |
| 80/ 3/ 2 | 1307 | 43 | 21. | 0.06 | 0.01 | 2.08 | 0.49 | 0.28 | 1.84 | 0.54 | 0.29 | 1.86 | 90.74 |
| 80/ 3/ 2 | 1307 | 43 | 26. | 0.04 | 0.01 | 2.14 | 0.51 | 0.29 | 1.85 | 0.56 | 0.29 | 1.87 | 91.07 |
| 80/ 3/ 2 | 1307 | 43 | 30. | 0.04 | 0.01 | 2.13 | 0.49 | 0.30 | 1.82 | 0.53 | 0.30 | 1.84 | 92.45 |
| 80/ 3/ 2 | 1307 | 43 | 43. | 0.05 | 0.01 | 2.09 | 0.53 | 0.31 | 1.83 | 0.58 | 0.32 | 1.85 | 91.38 |
| 80/ 3/ 2 | 1307 | 43 | 64. | 0.02 | 0.01 | 1.93 | 0.17 | 0.15 | 1.69 | 0.19 | 0.16 | 1.70 | 89.47 |
| 80/ 3/ 4 | 0620 | 44 | 1. | 0.20 | 0.01 | 2.24 | 0.27 | 0.13 | 1.90 | 0.47 | 0.14 | 2.02 | 57.45 |
| 80/ 3/ 4 | 0620 | 44 | 5. | 0.33 | 0.02 | 2.25 | 0.32 | 0.18 | 1.85 | 0.64 | 0.20 | 2.01 | 50.00 |
| 80/ 3/ 4 | 0620 | 44 | 10. | 0.22 | 0.00 | 2.30 | 0.35 | 0.13 | 1.97 | 0.57 | 0.13 | 2.08 | 61.40 |
| 80/ 3/ 4 | 0620 | 44 | 15. | 0.15 | 0.02 | 2.20 | 0.28 | 0.09 | 2.00 | 0.43 | 0.11 | 2.06 | 65.12 |
| 80/ 3/ 4 | 0620 | 44 | 20. | 0.12 | 0.02 | 2.15 | 0.31 | 0.14 | 1.90 | 0.43 | 0.16 | 1.96 | 72.09 |
| 80/ 3/ 4 | 0620 | 44 | 25. | 0.15 | 0.02 | 2.20 | 0.34 | 0.17 | 1.87 | 0.48 | 0.19 | 1.95 | 70.83 |
| 80/ 3/ 4 | 0620 | 44 | 30. | 0.33 | 0.03 | 2.21 | 0.27 | 0.18 | 1.80 | 0.60 | 0.21 | 1.98 | 45.00 |
| 80/ 3/ 4 | 0620 | 44 | 35. | 0.24 | 0.03 | 2.22 | 0.20 | 0.09 | 1.91 | 0.48 | 0.11 | 2.07 | 41.67 |

| DATE YR MO DY | TIME EST | CONSEC. STATION | SAMPLE DEPTH | NETPHYTOPLANKTON MG/M3 | | | NANNOPHYTOPLANKTON MG/M3 | | | TOTAL PHYTOPLANKTON MG/M3 | | | % NANNOPLANKTON |
|------------------|-------------|--------------------|-----------------|---------------------------|-------|-------|-----------------------------|-------|-------|------------------------------|-------|-------|-----------------|
| | | | | CHL A | PHAEC | FO/FA | CHL A | PHAEC | FO/FA | CHL A | PHAEC | FO/FA | |
| 80/ 3/ 4 | 0620 | 44 | 50. | 0.18 | 0.03 | 2.16 | 0.34 | 0.11 | 2.00 | 0.52 | 0.14 | 2.05 | 65.38 |
| 80/ 3/ 4 | 1107 | 44 | 75. | 0.35 | 0.01 | 2.28 | 0.20 | 0.09 | 1.91 | 0.55 | 0.10 | 2.12 | 36.36 |
| 80/ 3/ 4 | 1107 | 45 | 1. | 0.23 | 0.02 | 2.20 | 0.44 | 0.20 | 1.90 | 0.67 | 0.23 | 1.99 | 65.67 |
| 80/ 3/ 4 | 1107 | 45 | 5. | 0.20 | 0.03 | 2.14 | 0.18 | 0.10 | 1.86 | 0.38 | 0.13 | 1.99 | 47.37 |
| 80/ 3/ 4 | 1107 | 45 | 10. | 0.20 | 0.03 | 2.15 | 0.34 | 0.21 | 1.81 | 0.53 | 0.24 | 1.91 | 64.15 |
| 80/ 3/ 4 | 1107 | 45 | 15. | 0.26 | 0.02 | 2.25 | 0.34 | 0.05 | 2.15 | 0.60 | 0.07 | 2.19 | 56.67 |
| 80/ 3/ 4 | 1107 | 45 | 19. | 0.20 | 0.04 | 2.10 | 0.27 | 0.18 | 1.80 | 0.48 | 0.22 | 1.91 | 56.25 |
| 80/ 3/ 4 | 1107 | 45 | 24. | 0.21 | 0.03 | 2.14 | 0.29 | 0.20 | 1.78 | 0.50 | 0.24 | 1.90 | 58.00 |
| 80/ 3/ 4 | 1107 | 45 | 29. | 0.41 | 0.05 | 2.19 | 0.46 | 0.25 | 1.86 | 0.86 | 0.30 | 1.99 | 53.49 |
| 80/ 3/ 4 | 1107 | 45 | 34. | 0.36 | 0.03 | 2.22 | 0.35 | 0.19 | 1.85 | 0.71 | 0.23 | 2.00 | 49.30 |
| 80/ 3/ 4 | 1107 | 45 | 49. | 0.34 | 0.08 | 2.08 | 0.34 | 0.21 | 1.82 | 0.68 | 0.29 | 1.93 | 50.00 |
| 80/ 3/ 4 | 1107 | 45 | 73. | 0.26 | 0.03 | 2.21 | 0.26 | 0.15 | 1.84 | 0.52 | 0.17 | 1.99 | 50.00 |
| 80/ 3/ 4 | 1331 | 46 | 1. | 2.62 | 0.25 | 2.21 | 0.63 | 0.33 | 1.87 | 3.25 | 0.58 | 2.12 | 19.38 |
| 80/ 3/ 4 | 1331 | 46 | 5. | 2.75 | 0.12 | 2.27 | 0.28 | 0.29 | 1.65 | 3.03 | 0.41 | 2.16 | 9.24 |
| 80/ 3/ 4 | 1331 | 46 | 10. | 2.16 | 0.19 | 2.22 | 0.59 | 0.51 | 1.71 | 2.75 | 0.70 | 2.06 | 21.45 |
| 80/ 3/ 4 | 1331 | 46 | 15. | 2.75 | 0.12 | 2.27 | 0.62 | 0.50 | 1.73 | 3.36 | 0.62 | 2.12 | 18.45 |
| 80/ 3/ 4 | 1331 | 46 | 20. | 2.42 | 0.36 | 2.15 | 0.57 | 0.39 | 1.79 | 2.99 | 0.75 | 2.06 | 19.06 |
| 80/ 3/ 4 | 1331 | 46 | 25. | 2.94 | 0.54 | 2.12 | 0.54 | 0.55 | 1.66 | 3.49 | 1.09 | 2.01 | 15.47 |
| 80/ 3/ 4 | 1331 | 46 | 30. | 2.42 | 0.10 | 2.27 | 0.41 | 0.31 | 1.75 | 2.83 | 0.41 | 2.16 | 14.49 |
| 80/ 3/ 4 | 1810 | 47 | 1. | 6.83 | 1.15 | 2.13 | 0.79 | 0.89 | 1.62 | 7.62 | 2.04 | 2.04 | 10.37 |
| 80/ 3/ 4 | 1810 | 47 | 5. | 7.86 | 0.94 | 2.18 | 0.31 | 0.45 | 1.53 | 8.17 | 1.40 | 2.13 | 3.79 |
| 80/ 3/ 4 | 1810 | 47 | 10. | 7.04 | 0.67 | 2.21 | 0.60 | 0.77 | 1.58 | 7.64 | 1.44 | 2.11 | 7.85 |
| 80/ 3/ 4 | 1810 | 47 | 15. | 6.41 | 0.47 | 2.24 | 0.44 | 0.54 | 1.60 | 6.86 | 1.00 | 2.16 | 6.41 |
| 80/ 3/ 4 | 1810 | 47 | 20. | 5.17 | 0.66 | 2.17 | 0.49 | 0.79 | 1.50 | 5.65 | 1.45 | 2.05 | 8.67 |
| 80/ 3/ 4 | 2140 | 48 | 1. | 1.90 | 0.45 | 2.07 | 0.41 | 0.45 | 1.63 | 2.31 | 0.90 | 1.95 | 17.75 |
| 80/ 3/ 4 | 2140 | 48 | 5. | 2.62 | 0.34 | 2.17 | 0.28 | 0.44 | 1.51 | 2.89 | 0.79 | 2.04 | 9.69 |
| 80/ 3/ 4 | 2140 | 48 | 10. | 1.96 | 0.30 | 2.15 | 0.23 | 0.34 | 1.54 | 2.19 | 0.64 | 2.03 | 10.50 |
| 80/ 3/ 4 | 2140 | 48 | 15. | 1.90 | 0.02 | 2.31 | 0.26 | 0.38 | 1.53 | 2.16 | 0.41 | 2.11 | 12.04 |
| 80/ 3/ 4 | 2140 | 48 | 20. | 1.57 | 0.35 | 2.08 | 0.34 | 0.42 | 1.58 | 1.91 | 0.78 | 1.94 | 17.80 |
| 80/ 3/ 4 | 2140 | 48 | 25. | 1.57 | 0.41 | 2.05 | 0.35 | 0.59 | 1.50 | 1.93 | 0.99 | 1.87 | 18.13 |
| 80/ 3/ 4 | 2140 | 48 | 34. | 1.37 | 0.33 | 2.07 | 0.35 | 0.59 | 1.50 | 1.73 | 0.92 | 1.86 | 20.23 |
| 80/ 3/ 4 | 2140 | 48 | 44. | 1.16 | 0.27 | 2.07 | 0.20 | 0.43 | 1.43 | 1.36 | 0.70 | 1.87 | 14.71 |
| 80/ 3/ 5 | 0155 | 49 | 1. | 0.38 | 0.10 | 2.05 | 0.34 | 0.33 | 1.67 | 0.72 | 0.43 | 1.83 | 47.22 |
| 80/ 3/ 5 | 0155 | 49 | 4. | 0.18 | 0.10 | 1.84 | 0.40 | 0.31 | 1.75 | 0.57 | 0.41 | 1.77 | 70.18 |
| 80/ 3/ 5 | 0155 | 49 | 9. | 0.29 | 0.09 | 2.00 | 0.43 | 0.36 | 1.72 | 0.71 | 0.45 | 1.81 | 60.56 |
| 80/ 3/ 5 | 0155 | 49 | 13. | 0.26 | 0.09 | 2.00 | 0.44 | 0.38 | 1.71 | 0.70 | 0.47 | 1.79 | 62.86 |
| 80/ 3/ 5 | 0155 | 49 | 18. | 0.19 | 0.11 | 1.85 | 0.46 | 0.42 | 1.68 | 0.65 | 0.53 | 1.73 | 70.77 |
| 80/ 3/ 5 | 0155 | 49 | 22. | 0.26 | 0.09 | 2.00 | 0.40 | 0.33 | 1.72 | 0.66 | 0.41 | 1.81 | 60.61 |

| DATE | | | TIME | CONSEC. | SAMPLE | NEUPHYTOPLANKTON | | | NANNOPHYTOPLANKTON | | | TOTAL PHYTOPLANKTON | | | % NANNOPLANKTON |
|------|----|-----|------|---------|--------|------------------|-------|-------|--------------------|-------|-------|---------------------|-------|-------|-----------------|
| YR | MO | DAY | EST | STATION | DEPTH | CHL A | PHAEO | FC/FA | CHL A | PHAEO | FC/FA | CHL A | PHAEO | FC/FA | |
| | | | | | | MG/M3 | | | MG/M3 | | | MG/M3 | | | |
| 80/ | 3/ | 5 | 0155 | 49 | 27. | 0.15 | 0.04 | 2.02 | 0.40 | 0.27 | 1.79 | 0.54 | 0.31 | 1.84 | 74.07 |
| 80/ | 3/ | 5 | 0155 | 49 | 31. | 0.12 | 0.05 | 1.93 | 0.38 | 0.30 | 1.74 | 0.51 | 0.35 | 1.78 | 74.51 |
| 80/ | 3/ | 5 | 0155 | 49 | 45. | 0.13 | 0.07 | 1.85 | 0.35 | 0.29 | 1.72 | 0.48 | 0.36 | 1.75 | 72.92 |
| 80/ | 3/ | 5 | 0155 | 49 | 67. | 0.04 | 0.03 | 1.77 | 0.37 | 0.30 | 1.73 | 0.41 | 0.33 | 1.73 | 90.24 |
| 80/ | 3/ | 5 | 0552 | 50 | 1. | 3.33 | 0.49 | 2.15 | 0.38 | 0.30 | 1.74 | 3.72 | 0.79 | 2.09 | 10.22 |
| 80/ | 3/ | 5 | 0552 | 50 | 5. | 3.60 | 0.40 | 2.19 | 0.40 | 0.42 | 1.64 | 3.99 | 0.83 | 2.10 | 10.03 |
| 80/ | 3/ | 5 | 0552 | 50 | 10. | 4.51 | 0.53 | 2.12 | 0.50 | 0.46 | 1.69 | 5.01 | 0.99 | 2.11 | 9.98 |
| 80/ | 3/ | 5 | 0552 | 50 | 15. | 3.99 | 0.53 | 2.17 | 0.43 | 0.41 | 1.67 | 4.42 | 0.95 | 2.09 | 9.73 |
| 80/ | 3/ | 5 | 0552 | 50 | 20. | 4.45 | 0.42 | 2.21 | 0.43 | 0.51 | 1.60 | 4.87 | 0.94 | 2.11 | 8.83 |
| 80/ | 3/ | 5 | 0552 | 50 | 25. | 4.45 | 0.68 | 2.15 | 0.49 | 0.51 | 1.64 | 4.93 | 1.20 | 2.07 | 9.94 |
| 80/ | 3/ | 5 | 0552 | 50 | 30. | 5.10 | 0.47 | 2.21 | 0.50 | 0.38 | 1.75 | 5.60 | 0.85 | 2.15 | 8.93 |
| 80/ | 3/ | 5 | 0552 | 50 | 34. | 4.90 | 0.40 | 2.22 | 0.56 | 0.52 | 1.69 | 5.46 | 0.92 | 2.13 | 10.26 |
| 80/ | 3/ | 5 | 0552 | 50 | 49. | 2.42 | 0.36 | 2.15 | 0.40 | 0.41 | 1.65 | 2.82 | 0.77 | 2.04 | 14.18 |
| 80/ | 3/ | 5 | 0552 | 50 | 56. | 3.20 | 0.54 | 2.13 | 0.43 | 0.49 | 1.61 | 3.63 | 1.03 | 2.03 | 11.85 |
| 80/ | 3/ | 5 | 0955 | 51 | 1. | 0.41 | 0.08 | 2.10 | 0.24 | 0.15 | 1.80 | 0.64 | 0.23 | 1.97 | 37.50 |
| 80/ | 3/ | 5 | 0955 | 51 | 5. | 0.35 | 0.06 | 2.12 | 0.27 | 0.20 | 1.76 | 0.62 | 0.26 | 1.93 | 43.55 |
| 80/ | 3/ | 5 | 0955 | 51 | 10. | 0.31 | 0.04 | 2.17 | 0.31 | 0.21 | 1.78 | 0.61 | 0.25 | 1.94 | 50.82 |
| 80/ | 3/ | 5 | 0955 | 51 | 14. | 0.50 | 0.07 | 2.16 | 0.38 | 0.20 | 1.86 | 0.89 | 0.27 | 2.01 | 42.70 |
| 80/ | 3/ | 5 | 0955 | 51 | 19. | 0.62 | 0.09 | 2.15 | 0.32 | 0.13 | 1.94 | 0.94 | 0.22 | 2.07 | 34.04 |
| 80/ | 3/ | 5 | 0955 | 51 | 24. | 0.42 | 0.07 | 2.14 | 0.24 | 0.10 | 1.92 | 0.66 | 0.17 | 2.05 | 36.36 |
| 80/ | 3/ | 5 | 0955 | 51 | 29. | 0.42 | 0.05 | 2.18 | 0.21 | 0.16 | 1.76 | 0.63 | 0.21 | 2.00 | 33.33 |
| 80/ | 3/ | 5 | 0955 | 51 | 34. | 0.48 | 0.04 | 2.23 | 0.19 | 0.12 | 1.80 | 0.67 | 0.16 | 2.07 | 28.36 |
| 80/ | 3/ | 5 | 0955 | 51 | 48. | 0.64 | 0.02 | 2.29 | 0.19 | 0.14 | 1.76 | 0.83 | 0.15 | 2.12 | 22.89 |
| 80/ | 3/ | 5 | 0955 | 51 | 72. | 0.37 | 0.07 | 2.11 | | | | | | | 0.0 |
| 80/ | 3/ | 5 | 1225 | 52 | 1. | 0.27 | 0.04 | 2.17 | 0.35 | 0.14 | 1.95 | 0.62 | 0.18 | 2.03 | 56.45 |
| 80/ | 3/ | 5 | 1225 | 52 | 5. | 0.31 | 0.05 | 2.14 | 0.37 | 0.18 | 1.89 | 0.68 | 0.23 | 1.99 | 54.41 |
| 80/ | 3/ | 5 | 1225 | 52 | 9. | 0.34 | 0.06 | 2.13 | 0.38 | 0.17 | 1.92 | 0.72 | 0.23 | 2.01 | 52.78 |
| 80/ | 3/ | 5 | 1225 | 52 | 14. | 0.33 | 0.04 | 2.19 | 0.33 | 0.23 | 1.77 | 0.65 | 0.27 | 1.94 | 50.77 |
| 80/ | 3/ | 5 | 1225 | 52 | 19. | 0.34 | 0.04 | 2.18 | 0.25 | 0.19 | 1.74 | 0.59 | 0.24 | 1.94 | 42.37 |
| 80/ | 3/ | 5 | 1225 | 52 | 23. | 0.23 | 0.04 | 2.12 | 0.22 | 0.11 | 1.88 | 0.45 | 0.15 | 1.99 | 48.89 |
| 80/ | 3/ | 5 | 1225 | 52 | 28. | 0.35 | 0.03 | 2.22 | 0.38 | 0.17 | 1.92 | 0.74 | 0.19 | 2.05 | 51.35 |
| 80/ | 3/ | 5 | 1225 | 52 | 33. | 0.35 | 0.04 | 2.17 | 0.20 | 0.13 | 1.81 | 0.55 | 0.17 | 2.01 | 36.36 |
| 80/ | 3/ | 5 | 1225 | 52 | 47. | 0.25 | 0.03 | 2.18 | 0.29 | 0.26 | 1.70 | 0.54 | 0.29 | 1.86 | 53.70 |
| 80/ | 3/ | 5 | 1225 | 52 | 70. | 0.20 | 0.03 | 2.15 | 0.30 | 0.17 | 1.84 | 0.49 | 0.20 | 1.94 | 61.22 |
| 80/ | 3/ | 5 | 1620 | 53 | 1. | 0.36 | 0.03 | 2.22 | 0.24 | 0.12 | 1.88 | 0.60 | 0.15 | 2.05 | 40.00 |
| 80/ | 3/ | 5 | 1620 | 53 | 5. | 0.38 | 0.06 | 2.13 | 0.35 | 0.22 | 1.82 | 0.73 | 0.22 | 1.96 | 47.95 |
| 80/ | 3/ | 5 | 1620 | 53 | 9. | 0.37 | 0.10 | 2.03 | 0.30 | 0.20 | 1.80 | 0.66 | 0.30 | 1.91 | 45.45 |
| 80/ | 3/ | 5 | 1620 | 53 | 23. | 0.41 | 0.06 | 2.16 | 0.30 | 0.17 | 1.84 | 0.70 | 0.23 | 2.00 | 42.86 |

| DATE YR MO DY | TIME EST | CONSEC. STATION | SAMPLE DEPTH | NETPHYTOPLANKTON MG/M3 | | | NANNOPHYTOPLANKTON MG/M3 | | | TOTAL PHYTOPLANKTON MG/M3 | | | % NANNOPHYTOPLANKTON |
|------------------|-------------|--------------------|-----------------|---------------------------|-------|-------|-----------------------------|-------|-------|------------------------------|-------|-------|----------------------|
| | | | | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | |
| 80/ 3/ 5 | 1620 | 53 | 28. | 0.35 | 0.04 | 2.20 | 0.27 | 0.15 | 1.86 | 0.63 | 0.18 | 2.02 | 42.86 |
| 80/ 3/ 5 | 1620 | 53 | 33. | 0.45 | 0.04 | 2.23 | | | | | | | 0.0 |
| 80/ 3/ 5 | 1620 | 53 | 47. | 0.39 | 0.06 | 2.15 | 0.28 | 0.16 | 1.84 | 0.67 | 0.22 | 2.00 | 41.79 |
| 80/ 3/ 5 | 1915 | 54 | 1. | 0.33 | 0.03 | 2.21 | 0.15 | 0.09 | 1.84 | 0.49 | 0.12 | 2.06 | 30.61 |
| 80/ 3/ 5 | 1915 | 54 | 4. | 0.39 | 0.03 | 2.22 | 0.34 | 0.16 | 1.90 | 0.73 | 0.19 | 2.05 | 46.58 |
| 80/ 3/ 5 | 1915 | 54 | 9. | 0.55 | 0.07 | 2.18 | 0.29 | 0.14 | 1.88 | 0.84 | 0.21 | 2.06 | 34.52 |
| 80/ 3/ 5 | 1915 | 54 | 13. | 0.55 | 0.04 | 2.23 | 0.47 | 0.23 | 1.88 | 1.02 | 0.28 | 2.04 | 46.08 |
| 80/ 3/ 5 | 1915 | 54 | 18. | 0.50 | 0.02 | 2.26 | 0.43 | 0.24 | 1.85 | 0.92 | 0.26 | 2.03 | 46.74 |
| 80/ 3/ 5 | 1915 | 54 | 22. | 0.62 | 0.04 | 2.25 | 0.51 | 0.19 | 1.97 | 1.14 | 0.23 | 2.10 | 44.74 |
| 80/ 3/ 5 | 1915 | 54 | 27. | 0.57 | 0.03 | 2.26 | 0.50 | 0.22 | 1.91 | 1.07 | 0.25 | 2.07 | 46.73 |
| 80/ 3/ 5 | 1915 | 54 | 31. | 0.56 | 0.06 | 2.21 | 0.47 | 0.23 | 1.88 | 1.03 | 0.29 | 2.03 | 45.63 |
| 80/ 3/ 5 | 1915 | 54 | 45. | 0.52 | 0.04 | 2.23 | 0.27 | 0.12 | 1.90 | 0.79 | 0.17 | 2.09 | 34.18 |
| 80/ 3/ 5 | 1915 | 54 | 67. | 0.52 | 0.03 | 2.25 | 0.30 | 0.16 | 1.86 | 0.83 | 0.20 | 2.07 | 36.14 |
| 80/ 3/ 5 | 2310 | 55 | 1. | 0.45 | 0.06 | 2.16 | 0.32 | 0.18 | 1.85 | 0.77 | 0.24 | 2.01 | 41.56 |
| 80/ 3/ 5 | 2310 | 55 | 4. | 0.66 | 0.11 | 2.14 | 0.46 | 0.23 | 1.88 | 1.12 | 0.34 | 2.02 | 41.07 |
| 80/ 3/ 5 | 2310 | 55 | 9. | 0.62 | 0.09 | 2.15 | 0.31 | 0.21 | 1.78 | 0.93 | 0.31 | 1.99 | 33.33 |
| 80/ 3/ 5 | 2310 | 55 | 13. | 0.66 | 0.11 | 2.14 | 0.43 | 0.18 | 1.93 | 1.09 | 0.29 | 2.05 | 39.45 |
| 80/ 3/ 5 | 2310 | 55 | 17. | 0.52 | 0.07 | 2.17 | 0.47 | 0.23 | 1.88 | 0.99 | 0.30 | 2.02 | 47.47 |
| 80/ 3/ 5 | 2310 | 55 | 22. | 0.74 | 0.03 | 2.28 | 0.44 | 0.26 | 1.83 | 1.19 | 0.29 | 2.06 | 36.97 |
| 80/ 3/ 5 | 2310 | 55 | 26. | 0.77 | 0.03 | 2.27 | 0.29 | 0.15 | 1.87 | 1.05 | 0.18 | 2.13 | 27.62 |
| 80/ 3/ 5 | 2310 | 55 | 30. | 0.72 | 0.07 | 2.20 | 0.12 | 0.08 | 1.78 | 0.84 | 0.16 | 2.12 | 14.29 |
| 80/ 3/ 5 | 2310 | 55 | 30. | 0.72 | 0.10 | 2.16 | 0.41 | 0.21 | 1.87 | 1.14 | 0.32 | 2.04 | 35.96 |
| 80/ 3/ 5 | 2310 | 55 | 43. | 0.46 | 0.07 | 2.14 | 0.43 | 0.26 | 1.82 | 0.89 | 0.33 | 1.96 | 48.31 |
| 80/ 3/ 5 | 2310 | 55 | 65. | 0.48 | 0.02 | 2.27 | 0.20 | 0.13 | 1.81 | 0.69 | 0.15 | 2.09 | 28.99 |
| 80/ 3/ 6 | 0310 | 56 | 1. | 0.16 | 0.02 | 2.21 | 0.19 | 0.17 | 1.70 | 0.35 | 0.18 | 1.87 | 54.29 |
| 80/ 3/ 6 | 0310 | 56 | 5. | 0.16 | 0.03 | 2.12 | 0.23 | 0.15 | 1.80 | 0.40 | 0.18 | 1.91 | 57.50 |
| 80/ 3/ 6 | 0310 | 56 | 9. | 0.24 | 0.01 | 2.28 | 0.26 | 0.12 | 1.90 | 0.50 | 0.13 | 2.05 | 52.00 |
| 80/ 3/ 6 | 0310 | 56 | 14. | 0.22 | 0.01 | 2.26 | 0.25 | 0.14 | 1.85 | 0.47 | 0.15 | 2.00 | 53.19 |
| 80/ 3/ 6 | 0310 | 56 | 19. | 0.15 | 0.02 | 2.20 | 0.24 | 0.17 | 1.78 | 0.39 | 0.18 | 1.90 | 61.54 |
| 80/ 3/ 6 | 0310 | 56 | 23. | 0.20 | 0.04 | 2.10 | 0.16 | 0.08 | 1.89 | 0.36 | 0.12 | 2.00 | 44.44 |
| 80/ 3/ 6 | 0310 | 56 | 28. | 0.25 | 0.02 | 2.22 | 0.19 | 0.13 | 1.78 | 0.44 | 0.15 | 1.98 | 43.18 |
| 80/ 3/ 6 | 0310 | 56 | 33. | 0.26 | 0.02 | 2.25 | 0.32 | 0.18 | 1.85 | 0.58 | 0.20 | 1.99 | 55.17 |
| 80/ 3/ 6 | 0310 | 56 | 47. | 0.17 | 0.02 | 2.17 | 0.22 | 0.11 | 1.88 | 0.38 | 0.13 | 1.99 | 57.89 |
| 80/ 3/ 6 | 0310 | 56 | 70. | 0.15 | 0.02 | 2.19 | 0.28 | 0.18 | 1.81 | 0.43 | 0.20 | 1.91 | 65.12 |
| 80/ 3/ 6 | 0642 | 57 | 1. | 0.40 | 0.04 | 2.19 | 0.24 | 0.15 | 1.81 | 0.64 | 0.20 | 2.01 | 37.50 |
| 80/ 3/ 6 | 0642 | 57 | 5. | 0.35 | 0.33 | 1.69 | 0.36 | 0.20 | 1.85 | 0.71 | 0.52 | 1.76 | 50.70 |
| 80/ 3/ 6 | 0642 | 57 | 9. | 0.49 | 0.03 | 2.25 | 0.40 | 0.17 | 1.93 | 0.89 | 0.20 | 2.08 | 44.94 |
| 80/ 3/ 6 | 0642 | 57 | 14. | 0.48 | 0.04 | 2.23 | 0.43 | 0.22 | 1.87 | 0.90 | 0.25 | 2.03 | 47.78 |

| DATE YR MO DY | TIME EST | CONSEC. STATION | SAMPLE DEPTH | METHYLOPLANKTON MG/M3 | | | NANNOPHYTOPLANKTON MG/M3 | | | TOTAL PHYTOPLANKTON MG/M3 | | | % NANNOPHYTOPLANKTON |
|------------------|-------------|--------------------|-----------------|--------------------------|-------|-------|-----------------------------|-------|-------|------------------------------|-------|-------|----------------------|
| | | | | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | |
| 80/ 3/ 6 | 0642 | 57 | 19. | 0.42 | 0.03 | 2.23 | 0.34 | 0.18 | 1.88 | 0.76 | 0.21 | 2.04 | 44.74 |
| 80/ 3/ 6 | 0642 | 57 | 23. | 0.35 | 0.06 | 2.12 | 0.24 | 0.15 | 1.81 | 0.60 | 0.22 | 1.97 | 40.00 |
| 80/ 3/ 6 | 0642 | 57 | 28. | 0.35 | 0.32 | 1.68 | 0.26 | 0.11 | 1.93 | 0.61 | 0.43 | 1.77 | 42.62 |
| 80/ 3/ 6 | 0642 | 57 | 33. | 0.53 | 0.07 | 2.17 | 0.28 | 0.14 | 1.89 | 0.81 | 0.21 | 2.05 | 34.57 |
| 80/ 3/ 6 | 0642 | 57 | 47. | 0.41 | 0.08 | 2.10 | 0.34 | 0.18 | 1.86 | 0.75 | 0.26 | 1.98 | 45.33 |
| 80/ 3/ 6 | 0642 | 57 | 70. | 0.41 | 0.04 | 2.21 | 0.21 | 0.11 | 1.86 | 0.62 | 0.15 | 2.06 | 33.87 |
| 80/ 3/ 6 | 1040 | 58 | 1. | 0.31 | 0.03 | 2.20 | 0.41 | 0.21 | 1.87 | 0.73 | 0.25 | 1.99 | 56.16 |
| 80/ 3/ 6 | 1040 | 58 | 4. | 0.39 | 0.04 | 2.20 | | | | | | | 0.0 |
| 80/ 3/ 6 | 1040 | 58 | 7. | 0.37 | 0.02 | 2.27 | | | | | | | 0.0 |
| 80/ 3/ 6 | 1040 | 58 | 11. | 0.35 | 0.04 | 2.20 | 0.51 | 0.05 | 2.20 | 0.87 | 0.09 | 2.20 | 58.62 |
| 80/ 3/ 6 | 1040 | 58 | 14. | 0.30 | 0.02 | 2.25 | | | | | | | 0.0 |
| 80/ 3/ 6 | 1040 | 58 | 18. | 0.34 | 0.04 | 2.18 | 0.30 | 0.34 | 1.62 | 0.64 | 0.38 | 1.83 | 46.68 |
| 80/ 3/ 6 | 1040 | 58 | 21. | 0.39 | 0.03 | 2.22 | 0.43 | 0.36 | 1.72 | 0.81 | 0.39 | 1.90 | 53.09 |
| 80/ 3/ 6 | 1040 | 58 | 25. | 0.32 | 0.01 | 2.27 | 0.43 | 0.30 | 1.78 | 0.75 | 0.31 | 1.93 | 57.33 |
| 80/ 3/ 6 | 1040 | 58 | 35. | 0.33 | 0.03 | 2.21 | 0.44 | 0.18 | 1.93 | 0.77 | 0.22 | 2.03 | 57.14 |
| 80/ 3/ 6 | 1040 | 58 | 53. | 0.33 | 0.02 | 2.24 | 0.25 | 0.11 | 1.93 | 0.58 | 0.13 | 2.08 | 43.10 |
| 80/ 3/ 6 | 1445 | 59 | 1. | 1.16 | 0.08 | 2.24 | 0.47 | 0.04 | 2.23 | 1.63 | 0.12 | 2.24 | 28.83 |
| 80/ 3/ 6 | 1445 | 59 | 4. | 1.61 | 0.15 | 2.21 | 0.46 | 0.29 | 1.81 | 2.07 | 0.43 | 2.09 | 22.22 |
| 80/ 3/ 6 | 1445 | 59 | 9. | 1.59 | 0.20 | 2.18 | 0.54 | 0.28 | 1.88 | 2.14 | 0.47 | 2.08 | 25.23 |
| 80/ 3/ 6 | 1445 | 59 | 13. | 1.51 | 0.22 | 2.15 | 0.47 | 0.23 | 1.88 | 1.98 | 0.46 | 2.08 | 23.74 |
| 80/ 3/ 6 | 1445 | 59 | 18. | 1.55 | 0.26 | 2.13 | 0.49 | 0.30 | 1.82 | 2.04 | 0.56 | 2.04 | 24.02 |
| 80/ 3/ 6 | 1445 | 59 | 22. | | | | 0.51 | 0.29 | 1.85 | | | | 0.0 |
| 80/ 3/ 6 | 1445 | 59 | 27. | 1.82 | 0.27 | 2.15 | 0.32 | 0.22 | 1.78 | 2.14 | 0.49 | 2.08 | 14.95 |
| 80/ 3/ 6 | 1445 | 59 | 31. | 1.59 | 0.20 | 2.18 | 0.41 | 0.29 | 1.77 | 2.01 | 0.49 | 2.06 | 20.40 |
| 80/ 3/ 6 | 1445 | 59 | 45. | 1.66 | 0.22 | 2.17 | 0.44 | 0.32 | 1.76 | 2.10 | 0.54 | 2.05 | 20.95 |
| 80/ 3/ 6 | 1445 | 59 | 67. | 1.76 | 0.28 | 2.14 | 0.18 | 0.02 | 2.18 | 1.94 | 0.30 | 2.15 | 9.28 |
| 80/ 3/ 6 | 1707 | 60 | 1. | 2.29 | 0.32 | 2.16 | 0.27 | 0.25 | 1.67 | 2.55 | 0.58 | 2.08 | 10.59 |
| 80/ 3/ 6 | 1707 | 60 | 5. | 1.10 | 0.03 | 2.29 | 0.26 | 0.19 | 1.76 | 1.35 | 0.22 | 2.14 | 19.26 |
| 80/ 3/ 6 | 1707 | 60 | 10. | 0.02 | 0.00 | 2.26 | 0.38 | 0.28 | 1.76 | 0.40 | 0.28 | 1.78 | 95.00 |
| 80/ 3/ 6 | 1707 | 60 | 14. | 0.95 | 0.15 | 2.15 | 0.24 | 0.17 | 1.78 | 1.19 | 0.31 | 2.05 | 20.17 |
| 80/ 3/ 6 | 1707 | 60 | 19. | 0.64 | 0.02 | 2.29 | 0.40 | 0.31 | 1.75 | 1.64 | 0.33 | 2.01 | 38.46 |
| 80/ 3/ 6 | 1707 | 60 | 24. | 2.55 | 0.23 | 2.21 | 0.23 | 0.16 | 1.77 | 2.78 | 0.39 | 2.16 | 8.27 |
| 80/ 3/ 6 | 1707 | 60 | 29. | 1.53 | 0.06 | 2.27 | 0.16 | 0.14 | 1.70 | 1.69 | 0.20 | 2.18 | 9.47 |
| 80/ 3/ 6 | 1707 | 60 | 34. | 1.26 | 0.17 | 2.17 | 0.19 | 0.09 | 1.90 | 1.45 | 0.26 | 2.13 | 13.10 |
| 80/ 3/ 6 | 1707 | 60 | 48. | 2.29 | 0.32 | 2.16 | 0.33 | 0.16 | 1.89 | 2.61 | 0.48 | 2.12 | 12.64 |
| 80/ 3/ 6 | 1707 | 60 | 65. | 2.48 | 0.30 | 2.18 | 0.21 | 0.12 | 1.85 | 2.70 | 0.42 | 2.15 | 7.78 |
| 80/ 3/ 6 | 2032 | 61 | 1. | 1.59 | 0.14 | 2.22 | 0.27 | 0.21 | 1.75 | 1.66 | 0.35 | 2.12 | 14.52 |
| 80/ 3/ 6 | 2032 | 61 | 5. | 1.83 | 0.26 | 2.16 | 0.23 | 0.20 | 1.71 | 2.06 | 0.46 | 2.08 | 11.17 |

| DATE YR MO DY | TIME EST | CONSEC. STATION | SAMPLE DEPTH | NEUPHYTOPLANKTON MG/M3 | | | NANNOPHYTOPLANKTON MG/M3 | | | TOTAL PHYTOPLANKTON MG/M3 | | | % NANNOPHYTOPLANKTON |
|------------------|-------------|--------------------|-----------------|---------------------------|-------|-------|-----------------------------|-------|-------|------------------------------|-------|-------|----------------------|
| | | | | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | |
| 80/ 3/ 6 | 2032 | 61 | 10. | 1.03 | 0.01 | 2.31 | 0.18 | 0.24 | 1.57 | 1.22 | 0.25 | 2.10 | 14.75 |
| 80/ 3/ 6 | 2032 | 61 | 15. | 0.74 | 0.05 | 2.24 | 0.19 | 0.11 | 1.83 | 0.93 | 0.16 | 2.13 | 20.43 |
| 80/ 3/ 6 | 2032 | 61 | 20. | 1.37 | 0.12 | 2.22 | 0.19 | 0.14 | 1.76 | 1.55 | 0.26 | 2.14 | 12.26 |
| 80/ 3/ 6 | 2032 | 61 | 25. | 1.49 | 0.11 | 2.24 | 0.17 | 0.15 | 1.69 | 1.66 | 0.26 | 2.14 | 10.24 |
| 80/ 3/ 6 | 2032 | 61 | 30. | 2.22 | 0.12 | 2.25 | 0.35 | 0.27 | 1.75 | 2.58 | 0.40 | 2.15 | 13.57 |
| 80/ 3/ 6 | 2032 | 61 | 35. | 1.63 | 0.21 | 2.17 | 0.41 | 0.25 | 1.82 | 2.05 | 0.46 | 2.08 | 20.00 |
| 80/ 3/ 6 | 2032 | 61 | 50. | 1.80 | 0.18 | 2.20 | 0.31 | 0.20 | 1.80 | 2.11 | 0.38 | 2.12 | 14.69 |
| 80/ 3/ 6 | 2032 | 61 | 70. | 2.81 | 0.67 | 2.07 | 0.34 | 0.27 | 1.74 | 3.15 | 0.94 | 2.02 | 10.79 |
| 80/ 3/ 6 | 2313 | 62 | 1. | 1.12 | 0.15 | 2.17 | 0.31 | 0.23 | 1.76 | 1.42 | 0.37 | 2.05 | 21.83 |
| 80/ 3/ 6 | 2313 | 62 | 5. | 0.97 | 0.13 | 2.17 | 0.34 | 0.25 | 1.75 | 1.31 | 0.38 | 2.02 | 25.95 |
| 80/ 3/ 6 | 2313 | 62 | 10. | 0.72 | 0.07 | 2.20 | 0.31 | 0.21 | 1.78 | 1.03 | 0.29 | 2.04 | 30.10 |
| 80/ 3/ 6 | 2313 | 62 | 15. | 0.89 | 0.07 | 2.22 | 0.31 | 0.25 | 1.73 | 1.20 | 0.32 | 2.04 | 25.83 |
| 80/ 3/ 6 | 2313 | 62 | 20. | 0.97 | 0.05 | 2.27 | 0.25 | 0.17 | 1.77 | 1.22 | 0.22 | 2.12 | 20.49 |
| 80/ 3/ 6 | 2313 | 62 | 25. | 0.66 | 0.05 | 2.23 | 0.33 | 0.23 | 1.77 | 0.99 | 0.28 | 2.03 | 33.33 |
| 80/ 3/ 6 | 2313 | 62 | 30. | 0.64 | 0.05 | 2.24 | 0.30 | 0.27 | 1.69 | 0.94 | 0.32 | 1.99 | 31.91 |
| 80/ 3/ 6 | 2313 | 62 | 35. | 0.62 | 0.07 | 2.20 | 0.29 | 0.21 | 1.77 | 0.91 | 0.28 | 2.02 | 31.87 |
| 80/ 3/ 6 | 2313 | 62 | 50. | 0.60 | 0.06 | 2.21 | | | | | | | 0.0 |
| 80/ 3/ 6 | 2313 | 62 | 75. | 0.41 | 1.13 | 1.35 | 0.29 | 0.27 | 1.68 | 0.70 | 1.40 | 1.44 | 41.44 |
| 80/ 3/ 7 | 0305 | 63 | 1. | 0.09 | 0.02 | 2.12 | 0.46 | 0.19 | 1.93 | 0.55 | 0.21 | 1.96 | 83.64 |
| 80/ 3/ 7 | 0305 | 63 | 5. | 0.06 | 0.02 | 2.00 | 0.15 | 0.99 | 1.17 | 0.21 | 1.01 | 1.22 | 71.43 |
| 80/ 3/ 7 | 0305 | 63 | 10. | 0.06 | 0.01 | 2.07 | 0.56 | 0.32 | 1.84 | 0.62 | 0.34 | 1.86 | 90.52 |
| 80/ 3/ 7 | 0305 | 63 | 15. | 0.10 | 0.01 | 2.17 | 0.56 | 0.36 | 1.80 | 0.66 | 0.37 | 1.84 | 84.85 |
| 80/ 3/ 7 | 0305 | 63 | 20. | 0.10 | 0.01 | 2.17 | 0.40 | 0.23 | 1.84 | 0.50 | 0.24 | 1.89 | 80.00 |
| 80/ 3/ 7 | 0305 | 63 | 25. | 0.07 | 0.03 | 1.88 | 0.49 | 0.36 | 1.76 | 0.55 | 0.39 | 1.78 | 89.09 |
| 80/ 3/ 7 | 0305 | 63 | 30. | 0.06 | 0.02 | 2.00 | 0.43 | 0.28 | 1.80 | 0.48 | 0.30 | 1.82 | 89.58 |
| 80/ 3/ 7 | 0305 | 63 | 35. | 0.04 | 0.01 | 2.12 | 0.32 | 0.28 | 1.70 | 0.36 | 0.29 | 1.74 | 88.89 |
| 80/ 3/ 7 | 0305 | 63 | 50. | 0.07 | 0.01 | 2.17 | 0.35 | 0.27 | 1.75 | 0.42 | 0.28 | 1.79 | 83.33 |
| 80/ 3/ 7 | 0305 | 63 | 75. | 0.05 | 0.01 | 2.09 | 0.35 | 0.19 | 1.85 | 0.40 | 0.20 | 1.87 | 87.50 |
| 80/ 3/ 7 | 1135 | 64 | 1. | 0.02 | 0.01 | 1.80 | 0.03 | 0.03 | 1.68 | 0.05 | 0.04 | 1.72 | 60.00 |
| 80/ 3/ 7 | 1135 | 64 | 4. | 0.00 | 0.00 | 1.72 | 0.11 | 0.10 | 1.69 | 0.11 | 0.10 | 1.69 | 100.00 |
| 80/ 3/ 7 | 1135 | 64 | 8. | 0.01 | 0.01 | 1.75 | 0.16 | 0.14 | 1.70 | 0.17 | 0.15 | 1.71 | 94.12 |
| 80/ 3/ 7 | 1135 | 64 | 12. | 0.01 | 0.01 | 1.80 | 0.13 | 0.09 | 1.77 | 0.14 | 0.10 | 1.77 | 92.86 |
| 80/ 3/ 7 | 1135 | 64 | 16. | 0.01 | 0.01 | 1.85 | 0.22 | 0.16 | 1.77 | 0.23 | 0.16 | 1.77 | 95.65 |
| 80/ 3/ 7 | 1135 | 64 | 20. | 0.01 | 0.01 | 1.64 | 0.13 | 0.10 | 1.72 | 0.13 | 0.11 | 1.72 | 100.00 |
| 80/ 3/ 7 | 1135 | 64 | 24. | 0.01 | 0.01 | 1.84 | 0.19 | 0.15 | 1.74 | 0.20 | 0.16 | 1.75 | 95.00 |
| 80/ 3/ 7 | 1135 | 64 | 28. | 0.01 | 0.01 | 1.69 | 0.12 | 0.09 | 1.75 | 0.13 | 0.10 | 1.75 | 92.31 |
| 80/ 3/ 7 | 1135 | 64 | 39. | 0.02 | 0.01 | 1.81 | 0.18 | 0.13 | 1.76 | 0.20 | 0.15 | 1.76 | 90.00 |
| 80/ 3/ 7 | 1135 | 64 | 59. | 0.01 | 0.01 | 1.86 | 0.11 | 0.07 | 1.80 | 0.12 | 0.08 | 1.80 | 91.67 |

| DATE | | | TIME | CONSEC. | SAMPLE | NETPHYTOPLANKTON | | | NANNOPHYTOPLANKTON | | | TOTAL PHYTOPLANKTON | | | % NANNOPHYTOPLANKTON |
|------|----|-----|------|---------|--------|------------------|-------|-------|--------------------|-------|-------|---------------------|-------|-------|----------------------|
| YR | MO | DAY | EST | STATION | DEPTH | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | |
| | | | | | | MG/M3 | | | MG/M3 | | | MG/M3 | | | |
| 80/ | 3/ | 7 | 1500 | 66 | 1. | 0.06 | 0.01 | 2.15 | 0.18 | 0.12 | 1.81 | 0.24 | 0.13 | 1.87 | 75.00 |
| 80/ | 3/ | 7 | 1500 | 66 | 4. | 0.04 | 0.01 | 1.96 | 0.12 | 0.09 | 1.75 | 0.15 | 0.10 | 1.80 | 80.00 |
| 80/ | 3/ | 7 | 1500 | 66 | 9. | 0.08 | 0.02 | 2.02 | 0.23 | 0.16 | 1.77 | 0.31 | 0.19 | 1.82 | 74.19 |
| 80/ | 3/ | 7 | 1500 | 66 | 13. | 0.02 | 0.01 | 2.00 | 0.37 | 0.26 | 1.78 | 0.39 | 0.27 | 1.79 | 94.87 |
| 80/ | 3/ | 7 | 1500 | 66 | 18. | 0.09 | 0.02 | 2.07 | 0.19 | 0.12 | 1.80 | 0.28 | 0.15 | 1.87 | 67.86 |
| 80/ | 3/ | 7 | 1500 | 66 | 22. | 0.10 | 0.01 | 2.17 | 0.29 | 0.18 | 1.81 | 0.39 | 0.20 | 1.88 | 74.36 |
| 80/ | 3/ | 7 | 1500 | 66 | 26. | 0.03 | 0.02 | 1.81 | 0.13 | 0.07 | 1.87 | 0.16 | 0.09 | 1.86 | 81.25 |
| 80/ | 3/ | 7 | 1500 | 66 | 31. | 0.05 | 0.01 | 2.09 | 0.23 | 0.15 | 1.80 | 0.29 | 0.16 | 1.84 | 79.31 |
| 80/ | 3/ | 7 | 1500 | 66 | 44. | 0.06 | 0.02 | 2.06 | 0.10 | 0.10 | 1.68 | 0.17 | 0.11 | 1.79 | 58.82 |
| 80/ | 3/ | 7 | 1500 | 66 | 66. | 0.04 | 0.01 | 2.01 | 0.15 | 0.14 | 1.70 | 0.19 | 0.15 | 1.74 | 78.95 |
| 80/ | 3/ | 7 | 1734 | 68 | 1. | 0.04 | 0.03 | 1.76 | 0.41 | 0.29 | 1.77 | 0.45 | 0.32 | 1.77 | 91.11 |
| 80/ | 3/ | 7 | 1734 | 68 | 5. | 0.13 | 0.03 | 2.12 | 0.34 | 0.23 | 1.79 | 0.47 | 0.25 | 1.86 | 72.34 |
| 80/ | 3/ | 7 | 1734 | 68 | 10. | 0.20 | 0.03 | 2.15 | 0.40 | 0.23 | 1.84 | 0.59 | 0.26 | 1.92 | 67.80 |
| 80/ | 3/ | 7 | 1734 | 68 | 15. | 0.13 | 0.03 | 2.06 | 0.40 | 0.31 | 1.75 | 0.53 | 0.34 | 1.80 | 75.47 |
| 80/ | 3/ | 7 | 1734 | 68 | 20. | 0.21 | 0.07 | 2.00 | 0.43 | 0.30 | 1.78 | 0.64 | 0.37 | 1.84 | 67.19 |
| 80/ | 3/ | 7 | 1734 | 68 | 25. | 0.19 | 0.05 | 2.03 | 0.40 | 0.31 | 1.75 | 0.59 | 0.36 | 1.82 | 67.80 |
| 80/ | 3/ | 7 | 1734 | 68 | 30. | 0.17 | 0.02 | 2.20 | 0.32 | 0.30 | 1.68 | 0.49 | 0.32 | 1.80 | 65.31 |
| 80/ | 3/ | 7 | 1734 | 68 | 35. | 0.09 | 0.03 | 2.00 | 0.27 | 0.18 | 1.80 | 0.37 | 0.21 | 1.84 | 72.97 |
| 80/ | 3/ | 7 | 1734 | 68 | 50. | 0.05 | 0.02 | 1.90 | 0.19 | 0.19 | 1.67 | 0.24 | 0.21 | 1.70 | 79.17 |
| 80/ | 3/ | 7 | 1734 | 68 | 75. | 0.04 | 0.02 | 1.94 | 0.18 | 0.13 | 1.76 | 0.22 | 0.15 | 1.79 | 81.82 |
| 80/ | 3/ | 7 | 1858 | 69 | 1. | 0.31 | 0.04 | 2.17 | 0.53 | 0.33 | 1.81 | 0.84 | 0.37 | 1.92 | 63.10 |
| 80/ | 3/ | 7 | 1858 | 69 | 5. | 0.31 | 0.04 | 2.17 | 0.50 | 0.34 | 1.79 | 0.81 | 0.38 | 1.90 | 61.73 |
| 80/ | 3/ | 7 | 1858 | 69 | 10. | 0.29 | 0.06 | 2.10 | 0.57 | 0.35 | 1.82 | 0.86 | 0.41 | 1.90 | 66.28 |
| 80/ | 3/ | 7 | 1858 | 69 | 15. | 0.26 | 0.05 | 2.11 | 0.53 | 0.33 | 1.81 | 0.79 | 0.38 | 1.89 | 67.09 |
| 80/ | 3/ | 7 | 1858 | 69 | 20. | 0.34 | 0.04 | 2.18 | 0.57 | 0.37 | 1.81 | 0.91 | 0.41 | 1.91 | 62.64 |
| 80/ | 3/ | 7 | 1858 | 69 | 25. | 0.20 | 0.04 | 2.11 | 0.57 | 0.39 | 1.79 | 0.77 | 0.42 | 1.85 | 74.03 |
| 80/ | 3/ | 7 | 1858 | 69 | 30. | 0.33 | 0.06 | 2.13 | 0.54 | 0.38 | 1.78 | 0.87 | 0.43 | 1.88 | 62.07 |
| 80/ | 3/ | 7 | 1858 | 69 | 34. | 0.26 | 0.02 | 2.21 | 0.40 | 0.25 | 1.81 | 0.65 | 0.27 | 1.93 | 61.54 |
| 80/ | 3/ | 7 | 1858 | 69 | 49. | 0.17 | 0.02 | 2.16 | 0.23 | 0.19 | 1.72 | 0.40 | 0.22 | 1.86 | 57.50 |
| 80/ | 3/ | 7 | 1858 | 69 | 74. | 0.16 | 0.04 | 2.08 | 0.21 | 0.22 | 1.65 | 0.37 | 0.25 | 1.78 | 56.76 |
| 80/ | 3/ | 7 | 2127 | 71 | 1. | 0.33 | 0.08 | 2.08 | 0.43 | 0.28 | 1.80 | 0.76 | 0.35 | 1.90 | 56.58 |
| 80/ | 3/ | 7 | 2127 | 71 | 4. | 0.29 | 0.05 | 2.12 | 0.35 | 0.19 | 1.85 | 0.65 | 0.25 | 1.96 | 53.85 |
| 80/ | 3/ | 7 | 2127 | 71 | 9. | 0.29 | 0.06 | 2.09 | 0.29 | 0.18 | 1.81 | 0.59 | 0.25 | 1.93 | 49.15 |
| 80/ | 3/ | 7 | 2127 | 71 | 13. | 0.22 | 0.04 | 2.13 | 0.40 | 0.25 | 1.81 | 0.61 | 0.28 | 1.90 | 65.57 |
| 80/ | 3/ | 7 | 2127 | 71 | 18. | 0.52 | 0.06 | 2.19 | 0.47 | 0.23 | 1.88 | 0.99 | 0.29 | 2.02 | 47.47 |
| 80/ | 3/ | 7 | 2127 | 71 | 22. | 0.35 | 0.05 | 2.17 | 0.43 | 0.26 | 1.82 | 0.78 | 0.31 | 1.95 | 55.13 |
| 80/ | 3/ | 7 | 2127 | 71 | 27. | 0.74 | 0.14 | 2.12 | 0.49 | 0.22 | 1.91 | 1.23 | 0.35 | 2.03 | 39.84 |
| 80/ | 3/ | 7 | 2127 | 71 | 31. | 0.37 | 0.04 | 2.21 | | | | | | | 0.0 |

| DATE | | TIME | CONSEC. | SAMPLE | NETPHYTOPLANKTON | | | NANNOPHYTOPLANKTON | | | TOTAL PHYTOPLANKTON | | | % NANNOPHYTOPLANKTON | |
|------|----|------|---------|---------|------------------|-------|-------|--------------------|-------|-------|---------------------|-------|-------|----------------------|-------|
| YR | MO | DAY | EST | STATION | DEPTH | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | CHL A | PHAEO | | FO/FA |
| 80/ | 3/ | 7 | 2127 | 71 | 45. | 0.22 | 0.03 | 2.17 | 0.31 | 0.30 | 1.67 | 0.53 | 0.33 | 1.82 | 58.49 |
| 80/ | 3/ | 7 | 2127 | 71 | 67. | 0.15 | 0.03 | 2.12 | 0.22 | 0.16 | 1.77 | 0.37 | 0.19 | 1.88 | 59.46 |
| 80/ | 3/ | 7 | 2310 | 73 | 1. | 1.24 | 0.24 | 2.11 | 0.43 | 0.18 | 1.93 | 1.67 | 0.42 | 2.06 | 25.75 |
| 80/ | 3/ | 7 | 2310 | 73 | 5. | 1.45 | 0.15 | 2.20 | 0.51 | 0.11 | 2.09 | 1.96 | 0.26 | 2.17 | 26.02 |
| 80/ | 3/ | 7 | 2310 | 73 | 9. | 1.80 | 0.24 | 2.17 | 0.44 | 0.18 | 1.93 | 2.24 | 0.42 | 2.11 | 19.64 |
| 80/ | 3/ | 7 | 2310 | 73 | 14. | 1.53 | 0.18 | 2.19 | 0.50 | 0.17 | 2.00 | 2.03 | 0.34 | 2.13 | 24.63 |
| 80/ | 3/ | 7 | 2310 | 73 | 19. | 1.18 | 0.00 | 2.32 | 0.26 | 0.10 | 1.96 | 1.44 | 0.10 | 2.24 | 18.06 |
| 80/ | 3/ | 7 | 2310 | 73 | 24. | 1.18 | 0.11 | 2.21 | 0.38 | 0.22 | 1.83 | 1.56 | 0.34 | 2.09 | 24.36 |
| 80/ | 3/ | 7 | 2310 | 73 | 28. | 1.80 | 0.04 | 2.29 | 0.44 | 0.20 | 1.90 | 2.24 | 0.25 | 2.19 | 19.64 |
| 80/ | 3/ | 7 | 2310 | 73 | 33. | 2.22 | 0.21 | 2.21 | 0.40 | 0.21 | 1.87 | 2.62 | 0.42 | 2.14 | 15.27 |
| 80/ | 3/ | 7 | 2310 | 73 | 47. | 1.82 | 0.16 | 2.22 | 0.31 | 0.18 | 1.84 | 2.13 | 0.34 | 2.14 | 14.55 |
| 80/ | 3/ | 7 | 2310 | 73 | 61. | 2.68 | 0.28 | 2.20 | 0.31 | 0.25 | 1.73 | 2.99 | 0.53 | 2.13 | 10.37 |
| 80/ | 3/ | 8 | 0100 | 75 | 1. | 1.24 | 0.13 | 2.20 | 0.36 | 0.14 | 1.95 | 1.60 | 0.28 | 2.13 | 22.50 |
| 80/ | 3/ | 8 | 0100 | 75 | 5. | 1.57 | 0.13 | 2.22 | 0.41 | 0.21 | 1.87 | 1.98 | 0.35 | 2.13 | 26.71 |
| 80/ | 3/ | 8 | 0100 | 75 | 10. | 2.62 | 0.25 | 2.21 | 0.14 | 0.12 | 1.71 | 2.76 | 0.37 | 2.17 | 5.07 |
| 80/ | 3/ | 8 | 0100 | 75 | 15. | 1.55 | 0.29 | 2.11 | 0.21 | 0.08 | 1.95 | 1.77 | 0.38 | 2.09 | 11.86 |
| 80/ | 3/ | 8 | 0100 | 75 | 20. | 1.80 | 0.26 | 2.16 | 0.16 | 0.17 | 1.64 | 1.96 | 0.43 | 2.08 | 8.16 |
| 80/ | 3/ | 8 | 0100 | 75 | 25. | 1.43 | 0.20 | 2.16 | 0.16 | 0.16 | 1.67 | 1.59 | 0.35 | 2.08 | 10.06 |
| 80/ | 3/ | 8 | 0100 | 75 | 30. | 1.49 | 0.05 | 2.28 | 0.31 | 0.25 | 1.74 | 1.80 | 0.30 | 2.14 | 17.22 |
| 80/ | 3/ | 8 | 0100 | 75 | 35. | 2.48 | 0.65 | 2.05 | 0.17 | 0.25 | 1.54 | 2.66 | 0.89 | 1.99 | 6.39 |
| 80/ | 3/ | 8 | 0100 | 75 | 50. | 3.92 | 1.03 | 2.05 | 0.50 | 0.28 | 1.85 | 4.42 | 1.32 | 2.02 | 11.31 |
| 80/ | 3/ | 8 | 0225 | 76 | 1. | 0.41 | 0.10 | 2.06 | 0.20 | 0.15 | 1.75 | 0.61 | 0.25 | 1.93 | 32.79 |
| 80/ | 3/ | 8 | 0225 | 76 | 5. | 0.48 | 0.11 | 2.08 | 0.16 | 0.08 | 1.87 | 0.65 | 0.19 | 2.02 | 24.62 |
| 80/ | 3/ | 8 | 0225 | 76 | 10. | 0.66 | 0.05 | 2.23 | 0.24 | 0.16 | 1.80 | 0.90 | 0.21 | 2.07 | 26.67 |
| 80/ | 3/ | 8 | 0225 | 76 | 15. | 0.70 | 0.12 | 2.13 | 0.20 | 0.26 | 1.57 | 0.90 | 0.38 | 1.93 | 22.22 |
| 80/ | 3/ | 8 | 0225 | 76 | 20. | 1.10 | 0.20 | 2.12 | 0.27 | 0.25 | 1.69 | 1.37 | 0.45 | 2.00 | 19.71 |
| 80/ | 3/ | 8 | 0225 | 76 | 25. | 1.34 | 0.28 | 2.10 | 0.14 | 0.36 | 1.36 | 1.48 | 0.64 | 1.92 | 9.46 |
| 80/ | 3/ | 8 | 0225 | 76 | 30. | 1.90 | 0.45 | 2.07 | 0.24 | 0.34 | 1.55 | 2.14 | 0.79 | 1.97 | 11.21 |
| 80/ | 3/ | 8 | 0225 | 76 | 35. | 1.18 | 0.22 | 2.11 | 0.32 | 0.50 | 1.52 | 1.50 | 0.72 | 1.89 | 21.33 |
| 80/ | 3/ | 8 | 0405 | 77 | 1. | 0.89 | 0.21 | 2.07 | 0.34 | 0.70 | 1.43 | 1.23 | 0.91 | 1.76 | 27.64 |
| 80/ | 3/ | 8 | 0405 | 77 | 5. | 1.24 | 0.24 | 2.11 | 0.32 | 0.73 | 1.40 | 1.57 | 0.98 | 1.81 | 20.38 |
| 80/ | 3/ | 8 | 0405 | 77 | 10. | 2.09 | 0.34 | 2.14 | 0.50 | 0.71 | 1.54 | 2.59 | 1.06 | 1.94 | 19.31 |
| 80/ | 3/ | 8 | 0405 | 77 | 15. | 2.55 | 0.58 | 2.08 | 0.59 | 1.06 | 1.47 | 3.14 | 1.64 | 1.87 | 18.79 |
| 80/ | 3/ | 8 | 0405 | 77 | 20. | 2.68 | 0.45 | 2.13 | 0.38 | 0.79 | 1.43 | 3.06 | 1.24 | 1.94 | 12.42 |
| 80/ | 3/ | 8 | 0405 | 77 | 25. | 1.77 | 0.41 | 2.08 | 0.31 | 0.43 | 1.55 | 2.07 | 0.84 | 1.94 | 14.98 |
| 80/ | 3/ | 8 | 0405 | 77 | 30. | 2.62 | 0.86 | 2.00 | 0.46 | 1.27 | 1.35 | 3.07 | 2.13 | 1.78 | 14.98 |
| 80/ | 3/ | 8 | 0616 | 78 | 1. | 1.57 | 0.38 | 2.07 | 0.46 | 0.23 | 1.88 | 2.03 | 0.61 | 2.02 | 22.66 |
| 80/ | 3/ | 8 | 0616 | 78 | 5. | 1.26 | 0.25 | 2.10 | 0.26 | 0.22 | 1.72 | 1.52 | 0.47 | 2.01 | 17.11 |

| DATE | | | TIME | CONSEC. | SAMPLE | NETPHYTOPLANKTON | | | NANNOPHYTOPLANKTON | | | TOTAL PHYTOPLANKTON | | | % NANNOPHYTOPLANKTON |
|------|----|-----|------|---------|--------|------------------|-------|-------|--------------------|-------|-------|---------------------|-------|-------|----------------------|
| YR | MO | DAY | EST | STATION | DEPTH | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | CHL A | PHAEO | FO/FA | |
| | | | | | | MG/M3 | | | MG/M3 | | | MG/M3 | | | |
| 80/ | 3/ | 8 | 0616 | 78 | 10. | 1.70 | 0.28 | 2.13 | 0.50 | 0.30 | 1.82 | 2.20 | 0.59 | 2.04 | 22.73 |
| 80/ | 3/ | 8 | 0616 | 78 | 15. | 1.88 | 0.35 | 2.12 | 0.53 | 0.33 | 1.81 | 2.41 | 0.68 | 2.03 | 21.99 |
| 80/ | 3/ | 8 | 0616 | 78 | 20. | 2.16 | 0.36 | 2.13 | 0.29 | 0.23 | 1.74 | 2.45 | 0.60 | 2.06 | 11.80 |
| 80/ | 3/ | 8 | 0616 | 78 | 25. | 2.62 | 0.43 | 2.14 | 0.41 | 0.37 | 1.70 | 3.03 | 0.80 | 2.05 | 13.53 |
| 80/ | 3/ | 8 | 0616 | 78 | 30. | 2.35 | 0.43 | 2.12 | 0.22 | 0.25 | 1.62 | 2.58 | 0.68 | 2.05 | 8.53 |
| 80/ | 3/ | 8 | 0616 | 78 | 35. | 2.68 | 0.36 | 2.17 | 0.17 | 0.23 | 1.55 | 2.85 | 0.60 | 2.09 | 5.96 |
| 80/ | 3/ | 8 | 0616 | 78 | 50. | 5.75 | 0.77 | 2.17 | 0.47 | 0.39 | 1.72 | 6.22 | 1.16 | 2.12 | 7.56 |
| 80/ | 3/ | 8 | 1435 | 79 | 1. | 0.72 | 0.07 | 2.20 | 0.49 | 0.45 | 1.68 | 1.21 | 0.53 | 1.92 | 40.50 |
| 80/ | 3/ | 8 | 1435 | 79 | 5. | 0.66 | 0.11 | 2.14 | 0.47 | 0.39 | 1.72 | 1.13 | 0.50 | 1.92 | 41.59 |
| 80/ | 3/ | 8 | 1435 | 79 | 9. | 0.62 | 0.12 | 2.11 | 0.34 | 0.27 | 1.74 | 0.96 | 0.39 | 1.94 | 35.42 |
| 80/ | 3/ | 8 | 1435 | 79 | 14. | 0.52 | 0.06 | 2.19 | 0.30 | 0.29 | 1.68 | 0.83 | 0.35 | 1.93 | 36.14 |
| 80/ | 3/ | 8 | 1435 | 79 | 18. | 0.51 | 0.09 | 2.12 | 0.63 | 0.38 | 1.82 | 1.15 | 0.48 | 1.93 | 54.78 |
| 80/ | 3/ | 8 | 1435 | 79 | 23. | 0.66 | 0.11 | 2.14 | 0.43 | 0.34 | 1.74 | 1.09 | 0.44 | 1.94 | 39.45 |
| 80/ | 3/ | 8 | 1435 | 79 | 27. | 0.93 | 0.06 | 2.25 | 0.29 | 0.20 | 1.78 | 1.22 | 0.26 | 2.09 | 23.77 |
| 80/ | 3/ | 8 | 1435 | 79 | 32. | 0.48 | 0.04 | 2.21 | 0.19 | 0.14 | 1.75 | 0.66 | 0.19 | 2.03 | 28.79 |
| 80/ | 3/ | 8 | 1435 | 79 | 45. | 0.27 | 0.07 | 2.05 | 0.18 | 0.15 | 1.72 | 0.45 | 0.22 | 1.88 | 40.00 |
| 80/ | 3/ | 8 | 1435 | 79 | 68. | 0.08 | 0.05 | 1.82 | 0.15 | 0.15 | 1.66 | 0.23 | 0.20 | 1.71 | 65.22 |
| 80/ | 3/ | 8 | 1745 | 80 | 1. | 0.29 | 0.04 | 2.15 | 0.59 | 0.35 | 1.83 | 0.88 | 0.40 | 1.91 | 67.05 |
| 80/ | 3/ | 8 | 1745 | 80 | 5. | 0.41 | 0.06 | 2.14 | 0.54 | 0.43 | 1.74 | 0.95 | 0.50 | 1.87 | 56.84 |
| 80/ | 3/ | 8 | 1745 | 80 | 9. | 0.47 | 0.05 | 2.20 | 0.68 | 0.42 | 1.82 | 1.15 | 0.47 | 1.94 | 59.13 |
| 80/ | 3/ | 8 | 1745 | 80 | 14. | 0.18 | 0.06 | 2.00 | 0.62 | 0.38 | 1.82 | 0.80 | 0.44 | 1.85 | 77.50 |
| 80/ | 3/ | 8 | 1745 | 80 | 19. | 0.18 | 0.03 | 2.14 | 0.33 | 0.20 | 1.82 | 0.51 | 0.23 | 1.91 | 64.71 |
| 80/ | 3/ | 8 | 1745 | 80 | 23. | 0.10 | 0.01 | 2.19 | 0.24 | 0.13 | 1.85 | 0.34 | 0.15 | 1.93 | 70.59 |
| 80/ | 3/ | 8 | 1745 | 80 | 28. | 0.06 | 0.03 | 1.87 | 0.49 | 0.43 | 1.70 | 0.54 | 0.46 | 1.71 | 90.74 |
| 80/ | 3/ | 8 | 1745 | 80 | 33. | 0.16 | 0.03 | 2.11 | 0.33 | 0.23 | 1.77 | 0.48 | 0.26 | 1.86 | 68.75 |
| 80/ | 3/ | 8 | 1745 | 80 | 47. | 0.11 | 0.03 | 2.02 | 0.11 | 0.14 | 1.60 | 0.22 | 0.17 | 1.75 | 50.00 |
| 80/ | 3/ | 8 | 1745 | 80 | 70. | 0.09 | 0.03 | 2.00 | 0.08 | 0.08 | 1.67 | 0.17 | 0.11 | 1.81 | 47.06 |
| 80/ | 3/ | 8 | 2037 | 81 | 1. | 0.08 | 0.02 | 2.11 | 0.40 | 0.35 | 1.71 | 0.48 | 0.36 | 1.75 | 83.33 |
| 80/ | 3/ | 8 | 2037 | 81 | 4. | 0.11 | 0.01 | 2.17 | 0.56 | 0.32 | 1.84 | 0.67 | 0.34 | 1.88 | 83.58 |
| 80/ | 3/ | 8 | 2037 | 81 | 9. | 0.04 | 0.00 | 2.21 | 0.43 | 0.38 | 1.70 | 0.47 | 0.38 | 1.73 | 91.49 |
| 80/ | 3/ | 8 | 2037 | 81 | 13. | 0.08 | 0.01 | 2.11 | 0.59 | 0.27 | 1.90 | 0.67 | 0.29 | 1.92 | 88.06 |
| 80/ | 3/ | 8 | 2037 | 81 | 18. | 0.10 | 0.02 | 2.13 | 0.62 | 0.32 | 1.87 | 0.72 | 0.34 | 1.90 | 86.11 |
| 80/ | 3/ | 8 | 2037 | 81 | 22. | 0.18 | 0.03 | 2.16 | 0.41 | 0.21 | 1.87 | 0.60 | 0.24 | 1.94 | 66.33 |
| 80/ | 3/ | 8 | 2037 | 81 | 26. | 0.24 | 0.02 | 2.23 | 0.29 | 0.17 | 1.83 | 0.53 | 0.19 | 1.98 | 54.72 |
| 80/ | 3/ | 8 | 2037 | 81 | 31. | 0.08 | 0.02 | 2.10 | 0.59 | 0.35 | 1.83 | 0.67 | 0.37 | 1.86 | 88.06 |
| 80/ | 3/ | 8 | 2037 | 81 | 44. | 0.15 | 0.02 | 2.20 | 0.28 | 0.21 | 1.76 | 0.43 | 0.23 | 1.87 | 65.12 |
| 80/ | 3/ | 8 | 2037 | 81 | 66. | 0.12 | 0.02 | 2.11 | 0.07 | 0.09 | 1.60 | 0.19 | 0.11 | 1.84 | 36.84 |
| 80/ | 3/ | 9 | 0052 | 82 | 1. | 1.83 | 0.60 | 2.00 | 0.28 | 0.17 | 1.82 | 2.11 | 0.78 | 1.97 | 13.27 |

| DATE YR MO DY | TIME EST | CONSEC. STATION | SAMPLE DEPTH | NETPHYTOPLANKTON MG/M3 | | | NANNOPHYTOPLANKTON MG/M3 | | | TOTAL PHYTOPLANKTON MG/M3 | | | % NANNOPHYTOPLANKTON |
|------------------|-------------|--------------------|-----------------|---------------------------|-------|-------|-----------------------------|-------|-------|------------------------------|-------|-------|----------------------|
| | | | | CHL A | PHAEO | FC/FA | CHL A | PHAEO | FC/FA | CHL A | PHAEO | FC/FA | |
| 80/ 3/ 9 | 0052 | 82 | 5. | 2.16 | 0.28 | 2.17 | 0.30 | 0.17 | 1.84 | 2.46 | 0.45 | 2.12 | 12.20 |
| 80/ 3/ 9 | 0052 | 82 | 9. | | | | 0.32 | 0.20 | 1.80 | | | | 0.0 |
| 80/ 3/ 9 | 0052 | 82 | 14. | 2.03 | 0.15 | 2.24 | 0.30 | 0.16 | 1.87 | 2.33 | 0.30 | 2.17 | 12.88 |
| 80/ 3/ 9 | 0052 | 82 | 18. | 0.85 | 0.11 | 2.17 | 0.33 | 0.21 | 1.80 | 1.17 | 0.33 | 2.03 | 28.21 |
| 80/ 3/ 9 | 0052 | 82 | 23. | 2.16 | 0.28 | 2.17 | 0.32 | 0.18 | 1.85 | 2.48 | 0.46 | 2.12 | 12.90 |
| 80/ 3/ 9 | 0052 | 82 | 28. | 1.47 | 0.18 | 2.18 | 0.30 | 0.20 | 1.80 | 1.77 | 0.38 | 2.09 | 16.95 |
| 80/ 3/ 9 | 0052 | 82 | 32. | 2.16 | 0.63 | 2.03 | 0.32 | 0.23 | 1.77 | 2.47 | 0.85 | 1.98 | 12.96 |
| 80/ 3/ 9 | 0052 | 82 | 46. | 2.22 | 0.39 | 2.13 | 0.26 | 0.21 | 1.73 | 2.48 | 0.60 | 2.07 | 10.48 |
| 80/ 3/ 9 | 0052 | 82 | 55. | 2.29 | 0.15 | 2.25 | 0.18 | 0.18 | 1.66 | 2.47 | 0.33 | 2.17 | 7.29 |
| 80/ 3/ 9 | 0355 | 83 | 1. | 1.49 | 0.19 | 2.18 | 0.51 | 0.27 | 1.87 | 2.00 | 0.46 | 2.08 | 25.50 |
| 80/ 3/ 9 | 0355 | 83 | 5. | 0.91 | 0.08 | 2.22 | 0.35 | 0.27 | 1.75 | 1.26 | 0.35 | 2.03 | 27.78 |
| 80/ 3/ 9 | 0355 | 83 | 10. | 1.41 | 0.24 | 2.13 | 0.51 | 0.35 | 1.79 | 1.92 | 0.59 | 2.01 | 26.56 |
| 80/ 3/ 9 | 0355 | 83 | 15. | 2.03 | 0.41 | 2.10 | 0.51 | 0.29 | 1.85 | 2.54 | 0.70 | 2.04 | 20.08 |
| 80/ 3/ 9 | 0355 | 83 | 20. | 1.03 | 0.26 | 2.06 | 0.56 | 0.34 | 1.82 | 1.59 | 0.60 | 1.96 | 35.22 |
| 80/ 3/ 9 | 0355 | 83 | 25. | 1.14 | 0.10 | 2.22 | 0.26 | 0.27 | 1.64 | 1.39 | 0.37 | 2.05 | 18.71 |
| 80/ 3/ 9 | 0355 | 83 | 30. | 1.39 | 0.15 | 2.19 | 0.26 | 0.33 | 1.58 | 1.65 | 0.49 | 2.02 | 15.76 |
| 80/ 3/ 9 | 0355 | 83 | 35. | 1.86 | 0.17 | 2.21 | 0.27 | 0.40 | 1.53 | 2.13 | 0.57 | 2.04 | 12.68 |
| 80/ 3/ 9 | 0355 | 83 | 47. | 3.14 | 0.34 | 2.20 | 0.27 | 0.40 | 1.53 | 3.41 | 0.74 | 2.09 | 7.92 |
| 80/ 3/ 9 | 0707 | 84 | 1. | 1.47 | 0.07 | 2.26 | 0.35 | 0.27 | 1.75 | 1.82 | 0.35 | 2.11 | 19.23 |
| 80/ 3/ 9 | 0707 | 84 | 4. | 1.51 | 0.14 | 2.21 | 0.46 | 0.37 | 1.73 | 1.97 | 0.51 | 2.05 | 23.35 |
| 80/ 3/ 9 | 0707 | 84 | 8. | 1.49 | 0.16 | 2.20 | 0.43 | 0.36 | 1.72 | 1.92 | 0.52 | 2.04 | 22.40 |
| 80/ 3/ 9 | 0707 | 84 | 12. | 1.96 | 0.13 | 2.25 | 0.43 | 0.36 | 1.72 | 2.39 | 0.48 | 2.10 | 17.99 |
| 80/ 3/ 9 | 0707 | 84 | 16. | 1.70 | 0.20 | 2.18 | 0.46 | 0.37 | 1.73 | 2.15 | 0.57 | 2.05 | 21.40 |
| 80/ 3/ 9 | 0707 | 84 | 20. | 1.76 | 0.22 | 2.18 | 0.44 | 0.34 | 1.75 | 2.20 | 0.56 | 2.05 | 20.00 |
| 80/ 3/ 9 | 0707 | 84 | 26. | 1.84 | 0.22 | 2.18 | 0.50 | 0.40 | 1.73 | 2.34 | 0.62 | 2.05 | 21.37 |
| 80/ 3/ 9 | 0943 | 85 | 1. | 1.12 | 0.15 | 2.17 | 0.32 | 0.18 | 1.85 | 1.44 | 0.33 | 2.08 | 22.22 |
| 80/ 3/ 9 | 0943 | 85 | 5. | 1.20 | 0.18 | 2.16 | 0.37 | 0.22 | 1.83 | 1.57 | 0.40 | 2.06 | 23.57 |
| 80/ 3/ 9 | 0943 | 85 | 9. | 1.12 | 0.09 | 2.22 | 0.16 | 0.10 | 1.80 | 1.28 | 0.20 | 2.15 | 12.50 |
| 80/ 3/ 9 | 0943 | 85 | 14. | 0.87 | 0.23 | 2.05 | 0.24 | 0.20 | 1.72 | 1.11 | 0.44 | 1.95 | 21.62 |
| 80/ 3/ 9 | 0943 | 85 | 19. | 1.66 | 0.33 | 2.11 | 0.20 | 0.19 | 1.68 | 1.86 | 0.52 | 2.04 | 10.75 |
| 80/ 3/ 9 | 0943 | 85 | 23. | 1.10 | 0.31 | 2.03 | 0.18 | 0.09 | 1.88 | 1.28 | 0.40 | 2.01 | 14.06 |
| 80/ 3/ 9 | 0943 | 85 | 28. | 2.22 | 0.39 | 2.13 | 0.20 | 0.26 | 1.56 | 2.42 | 0.65 | 2.04 | 8.26 |
| 80/ 3/ 9 | 0943 | 85 | 33. | | | | 0.12 | 0.09 | 1.73 | | | | 0.0 |
| 80/ 3/ 9 | 1202 | 86 | 1. | | | | 0.21 | 0.13 | 1.82 | | | | 0.0 |
| 80/ 3/ 9 | 1202 | 86 | 5. | 0.74 | 0.14 | 2.12 | 0.25 | 0.21 | 1.72 | 1.00 | 0.34 | 1.98 | 25.00 |
| 80/ 3/ 9 | 1202 | 86 | 10. | 0.55 | 0.08 | 2.16 | 0.34 | 0.19 | 1.84 | 0.88 | 0.27 | 2.02 | 38.64 |
| 80/ 3/ 9 | 1202 | 86 | 15. | 0.74 | 0.03 | 2.28 | 0.32 | 0.23 | 1.77 | 1.06 | 0.25 | 2.07 | 30.19 |
| 80/ 3/ 9 | 1202 | 86 | 20. | 0.26 | 0.03 | 2.18 | 0.24 | 0.27 | 1.63 | 0.50 | 0.30 | 1.83 | 48.00 |

| DATE YR MO DY | TIME EST | CONSEC. STATION | SAMPLE DEPTH | NETPHYTOPLANKTON MG/M3 | | | NANNOPHYTOPLANKTON MG/M3 | | | TOTAL PHYTOPLANKTON MG/M3 | | | % NANNOPLANKTON |
|------------------|-------------|--------------------|-----------------|---------------------------|-------|-------|-----------------------------|-------|-------|------------------------------|-------|-------|-----------------|
| | | | | CHL A | PHAEO | FO/FA | CHL A | PHAEC | FO/FA | CHL A | PHAEC | FO/FA | |
| 80/ 3/ 9 | 1202 | 86 | 25. | 0.62 | 0.20 | 2.00 | 0.35 | 0.39 | 1.63 | 0.97 | 0.60 | 1.82 | 36.08 |
| 80/ 3/ 9 | 1610 | 87 | 1. | 1.83 | 0.26 | 2.16 | 0.38 | 0.38 | 1.66 | 2.21 | 0.64 | 2.03 | 17.19 |
| 80/ 3/ 9 | 1610 | 87 | 5. | 1.96 | 0.30 | 2.15 | 0.35 | 0.29 | 1.72 | 2.31 | 0.59 | 2.05 | 15.15 |
| 80/ 3/ 9 | 1610 | 87 | 10. | 2.68 | 0.45 | 2.13 | 0.35 | 0.35 | 1.66 | 3.03 | 0.80 | 2.05 | 11.55 |
| 80/ 3/ 9 | 1610 | 87 | 15. | 3.20 | 0.45 | 2.16 | 0.49 | 0.53 | 1.63 | 3.69 | 0.98 | 2.05 | 13.28 |
| 80/ 3/ 9 | 1610 | 87 | 20. | 3.53 | 0.30 | 2.22 | 0.37 | 0.49 | 1.56 | 3.90 | 0.79 | 2.10 | 9.49 |
| 80/ 3/ 9 | 1610 | 87 | 25. | 5.49 | 0.68 | 2.18 | 0.34 | 0.60 | 1.47 | 5.83 | 1.28 | 2.09 | 5.83 |
| 80/ 3/ 9 | 1610 | 87 | 30. | 7.04 | 1.50 | 2.09 | 0.41 | 0.76 | 1.46 | 7.45 | 2.26 | 2.02 | 5.50 |
| 80/ 3/ 9 | 1610 | 87 | 34. | 8.07 | 0.74 | 2.21 | 0.53 | 1.04 | 1.45 | 8.60 | 1.77 | 2.10 | 6.16 |
| 80/ 3/ 9 | 1610 | 87 | 46. | 7.45 | 1.36 | 2.12 | 0.46 | 0.80 | 1.48 | 7.91 | 2.15 | 2.04 | 5.82 |
| 80/ 3/ 9 | 1955 | 88 | 1. | 0.77 | 0.06 | 2.23 | 0.33 | 0.15 | 1.92 | 1.10 | 0.21 | 2.11 | 30.00 |
| 80/ 3/ 9 | 1955 | 88 | 5. | 0.74 | 0.03 | 2.28 | 0.27 | 0.16 | 1.83 | 1.01 | 0.18 | 2.12 | 26.73 |
| 80/ 3/ 9 | 1955 | 88 | 10. | 0.64 | 0.07 | 2.19 | 0.31 | 0.17 | 1.85 | 0.95 | 0.24 | 2.05 | 32.63 |
| 80/ 3/ 9 | 1955 | 88 | 15. | 1.28 | 0.07 | 2.26 | 0.31 | 0.18 | 1.83 | 1.59 | 0.25 | 2.15 | 19.50 |
| 80/ 3/ 9 | 1955 | 88 | 20. | 1.11 | 0.12 | 2.20 | 0.37 | 0.24 | 1.80 | 1.47 | 0.35 | 2.07 | 25.17 |
| 80/ 3/ 9 | 1955 | 88 | 25. | 1.12 | 0.07 | 2.25 | 0.34 | 0.23 | 1.78 | 1.45 | 0.30 | 2.10 | 23.45 |
| 80/ 3/ 9 | 1955 | 88 | 30. | 2.09 | 0.08 | 2.28 | 0.38 | 0.50 | 1.57 | 2.47 | 0.58 | 2.07 | 15.38 |
| 80/ 3/ 9 | 2312 | 89 | 1. | 0.72 | 0.10 | 2.16 | 0.40 | 0.17 | 1.93 | 1.12 | 0.27 | 2.07 | 35.71 |
| 80/ 3/ 9 | 2312 | 89 | 5. | 0.70 | 0.01 | 2.30 | 0.28 | 0.14 | 1.88 | 0.98 | 0.15 | 2.15 | 28.57 |
| 80/ 3/ 9 | 2312 | 89 | 10. | 0.72 | 0.10 | 2.16 | 0.30 | 0.24 | 1.74 | 1.03 | 0.34 | 2.00 | 29.13 |
| 80/ 3/ 9 | 2312 | 89 | 15. | 1.06 | 0.07 | 2.24 | 0.32 | 0.24 | 1.75 | 1.37 | 0.31 | 2.08 | 23.36 |
| 80/ 3/ 9 | 2312 | 89 | 20. | 0.95 | 0.09 | 2.21 | | | | | | | 0.0 |
| 80/ 3/ 9 | 2312 | 89 | 25. | 0.07 | 0.01 | 2.23 | 0.79 | 0.97 | 1.60 | 0.86 | 0.97 | 1.62 | 91.86 |
| 80/ 3/10 | 0310 | 90 | 1. | 1.39 | 0.07 | 2.26 | 0.28 | 0.09 | 2.00 | 1.67 | 0.16 | 2.21 | 16.77 |
| 80/ 3/10 | 0310 | 90 | 5. | | | | 0.27 | 0.10 | 1.96 | | | | 0.0 |
| 80/ 3/10 | 0310 | 90 | 10. | 1.34 | 0.00 | 2.32 | 0.24 | 0.08 | 2.00 | 1.58 | 0.08 | 2.26 | 15.19 |
| 80/ 3/10 | 0310 | 90 | 15. | 1.68 | 0.11 | 2.24 | 0.44 | 0.18 | 1.93 | 2.12 | 0.30 | 2.16 | 20.75 |
| 80/ 3/10 | 0310 | 90 | 20. | 1.37 | 0.01 | 2.32 | 0.23 | 0.10 | 1.92 | 1.59 | 0.11 | 2.24 | 14.47 |
| 80/ 3/10 | 0310 | 90 | 25. | 3.14 | 0.17 | 2.26 | 0.90 | 0.37 | 1.93 | 4.04 | 0.54 | 2.17 | 22.28 |
| 80/ 3/10 | 0645 | 91 | 1. | 2.62 | 0.34 | 2.17 | 0.59 | 0.19 | 2.00 | 3.20 | 0.54 | 2.13 | 18.44 |
| 80/ 3/10 | 0645 | 91 | 5. | 2.29 | 0.23 | 2.20 | 0.31 | 0.11 | 1.97 | 2.60 | 0.35 | 2.17 | 11.92 |
| 80/ 3/10 | 0645 | 91 | 10. | 2.81 | 0.15 | 2.26 | 0.50 | 0.17 | 2.00 | 3.31 | 0.31 | 2.21 | 15.11 |
| 80/ 3/10 | 0645 | 91 | 15. | 2.35 | 0.17 | 2.24 | 0.41 | 0.18 | 1.93 | 2.77 | 0.34 | 2.18 | 14.80 |
| 80/ 3/10 | 0645 | 91 | 20. | 1.14 | 0.18 | 2.14 | 0.40 | 0.13 | 2.00 | 1.54 | 0.31 | 2.10 | 25.97 |
| 80/ 3/10 | 0645 | 91 | 25. | 1.78 | 0.09 | 2.26 | 0.41 | 0.16 | 1.96 | 2.19 | 0.25 | 2.19 | 18.72 |
| 80/ 3/10 | 0645 | 91 | 30. | 2.75 | 0.04 | 2.31 | 0.28 | 0.15 | 1.85 | 3.03 | 0.19 | 2.25 | 9.24 |
| 80/ 3/10 | 0645 | 91 | 35. | 2.68 | 0.10 | 2.28 | 0.38 | 0.17 | 1.92 | 3.06 | 0.27 | 2.22 | 12.42 |
| 80/ 3/10 | 0645 | 91 | 50. | | | | 1.02 | 0.71 | 1.78 | | | | 0.0 |

| DATE | | TIME | CONSEC. | SAMPLE | NETPHYTOPLANKTON | | | NANNOPHYTOPLANKTON | | | TOTAL PHYTOPLANKTON | | | % NANNOPLANKTI | |
|------|------|------|---------|---------|------------------|-------|-------|--------------------|-------|-------|---------------------|-------|-------|----------------|-------|
| YR | MO | DAY | EST | STATION | DEPTH | CHL A | PHAEO | FC/FA | CHL A | PHAEO | FC/FA | CHL A | PHAEO | FC/FA | |
| | | | | | | MG/M3 | | | MG/M3 | | | MG/M3 | | | |
| 80/ | 3/10 | 0940 | 92 | 1. | 1.84 | 0.25 | 2.17 | 0.34 | 0.14 | 1.93 | 2.18 | 0.39 | 2.12 | | 15.60 |
| 80/ | 3/10 | 0940 | 92 | 5. | 1.49 | 0.13 | 2.22 | 0.30 | 0.17 | 1.84 | 1.79 | 0.31 | 2.13 | | 16.76 |
| 80/ | 3/10 | 0940 | 92 | 10. | 1.80 | 0.18 | 2.20 | 0.49 | 0.22 | 1.91 | 2.29 | 0.40 | 2.13 | | 21.40 |
| 80/ | 3/10 | 0940 | 92 | 15. | 1.41 | 0.16 | 2.19 | 0.47 | 0.23 | 1.88 | 1.88 | 0.40 | 2.09 | | 25.00 |
| 80/ | 3/10 | 0940 | 92 | 20. | 1.72 | 0.18 | 2.20 | 0.37 | 0.18 | 1.89 | 2.09 | 0.36 | 2.13 | | 17.70 |
| 80/ | 3/10 | 0940 | 92 | 25. | 1.41 | 0.13 | 2.21 | 0.41 | 0.19 | 1.90 | 1.82 | 0.33 | 2.12 | | 22.53 |
| 80/ | 3/10 | 0940 | 92 | 30. | 1.37 | 0.09 | 2.24 | 0.51 | 0.27 | 1.87 | 1.88 | 0.36 | 2.11 | | 27.13 |
| 80/ | 3/10 | 0940 | 92 | 35. | 3.14 | 0.25 | 2.23 | 0.53 | 0.41 | 1.75 | 3.67 | 0.66 | 2.12 | | 14.44 |

TABLE 2. Average water column concentrations of netphytoplankton, nannophytoplankton, and total chlorophyll a and phaeophytin a and percentage nannophytoplankton.

| DATE | | | TIME CONSEC. | | | NET PHYTOPLANKTON | | | NANO PHYTOPLANKTON | | | TOTAL PHYTOPLANKTON | | | % NANOPLANKTON |
|------|----|-----|--------------|---------|------|-------------------|-------|-------|--------------------|------|-------|---------------------|-------|-------|----------------|
| YR | MO | DAY | EST | STATION | INT. | MG/M3 | DEPTH | CHL A | PHAEO | INT. | MG/M3 | DEPTH | CHL A | PHAEO | |
| 80/ | 3/ | 6 | 1040 | 58 | 53. | 0.34 | 0.03 | 53. | 0.40 | 0.19 | 53. | 0.74 | 0.22 | 54.24 | |
| 80/ | 3/ | 6 | 1445 | 59 | 67. | 1.63 | 0.23 | 67. | 0.40 | 0.24 | 67. | 2.04 | 0.46 | 19.83 | |
| 80/ | 3/ | 6 | 1707 | 60 | 65. | 1.67 | 0.19 | 65. | 0.27 | 0.17 | 65. | 1.93 | 0.36 | 13.86 | |
| 80/ | 3/ | 6 | 2032 | 61 | 70. | 1.76 | 0.22 | 70. | 0.29 | 0.21 | 70. | 2.05 | 0.43 | 14.07 | |
| 80/ | 3/ | 6 | 2313 | 62 | 75. | 0.67 | 0.25 | 75. | 0.30 | 0.23 | 75. | 0.97 | 0.48 | 30.64 | |
| 80/ | 3/ | 7 | 0305 | 63 | 75. | 0.07 | 0.01 | 75. | 0.38 | 0.31 | 75. | 0.45 | 0.32 | 85.43 | |
| 80/ | 3/ | 7 | 1135 | 64 | 59. | 0.01 | 0.01 | 59. | 0.15 | 0.11 | 59. | 0.16 | 0.12 | 92.10 | |
| 80/ | 3/ | 7 | 1500 | 66 | 66. | 0.06 | 0.01 | 66. | 0.18 | 0.13 | 66. | 0.23 | 0.15 | 76.27 | |
| 80/ | 3/ | 7 | 1734 | 68 | 75. | 0.10 | 0.03 | 75. | 0.28 | 0.22 | 75. | 0.38 | 0.25 | 73.65 | |
| 80/ | 3/ | 7 | 1858 | 69 | 74. | 0.23 | 0.04 | 74. | 0.39 | 0.28 | 74. | 0.62 | 0.31 | 62.45 | |
| 80/ | 3/ | 7 | 2127 | 71 | 67. | 0.31 | 0.05 | 67. | 0.36 | 0.24 | 67. | 0.66 | 0.28 | 53.86 | |
| 80/ | 3/ | 7 | 2310 | 73 | 61. | 1.80 | 0.17 | 61. | 0.38 | 0.19 | 61. | 2.18 | 0.35 | 17.37 | |
| 80/ | 3/ | 8 | 0100 | 75 | 50. | 2.19 | 0.41 | 50. | 0.27 | 0.20 | 50. | 2.45 | 0.61 | 10.82 | |
| 80/ | 3/ | 8 | 0225 | 76 | 35. | 1.00 | 0.20 | 35. | 0.22 | 0.25 | 35. | 1.21 | 0.45 | 17.85 | |
| 80/ | 3/ | 8 | 0405 | 77 | 30. | 2.01 | 0.43 | 30. | 0.42 | 0.78 | 30. | 2.43 | 1.21 | 17.19 | |
| 80/ | 3/ | 8 | 0616 | 78 | 50. | 2.68 | 0.42 | 50. | 0.35 | 0.29 | 50. | 3.03 | 0.70 | 11.58 | |
| 80/ | 3/ | 8 | 1435 | 79 | 68. | 0.43 | 0.07 | 68. | 0.28 | 0.22 | 68. | 0.71 | 0.30 | 39.17 | |
| 80/ | 3/ | 8 | 1745 | 80 | 70. | 0.17 | 0.03 | 70. | 0.30 | 0.23 | 70. | 0.47 | 0.26 | 64.48 | |
| 80/ | 3/ | 8 | 2037 | 81 | 66. | 0.12 | 0.02 | 66. | 0.37 | 0.24 | 66. | 0.49 | 0.26 | 75.20 | |
| 80/ | 3/ | 9 | 0052 | 82 | 55. | 1.99 | 0.33 | 55. | 0.29 | 0.20 | 55. | 2.28 | 0.53 | 12.74 | |
| 80/ | 3/ | 9 | 0355 | 83 | 47. | 1.66 | 0.22 | 47. | 0.37 | 0.33 | 47. | 2.04 | 0.55 | 18.30 | |
| 80/ | 3/ | 9 | 0707 | 84 | 26. | 1.69 | 0.17 | 26. | 0.44 | 0.35 | 26. | 2.13 | 0.52 | 20.72 | |
| 80/ | 3/ | 9 | 0943 | 85 | 28. | 1.27 | 0.23 | 33. | 0.22 | 0.17 | 28. | 1.49 | 0.41 | 14.97 | |
| 80/ | 3/ | 9 | 1202 | 86 | 25. | 0.59 | 0.09 | 25. | 0.29 | 0.23 | 25. | 0.88 | 0.32 | 32.44 | |
| 80/ | 3/ | 9 | 1610 | 87 | 46. | 4.99 | 0.70 | 46. | 0.42 | 0.63 | 46. | 5.41 | 1.33 | 7.75 | |
| 80/ | 3/ | 9 | 1955 | 88 | 30. | 1.05 | 0.07 | 30. | 0.33 | 0.22 | 30. | 1.38 | 0.29 | 23.67 | |
| 80/ | 3/ | 9 | 2312 | 89 | 25. | 0.77 | 0.07 | 25. | 0.41 | 0.36 | 25. | 1.16 | 0.43 | 35.01 | |
| 80/ | 3/ | 10 | 0310 | 90 | 25. | 1.60 | 0.06 | 25. | 0.35 | 0.14 | 25. | 1.96 | 0.19 | 18.08 | |
| 80/ | 3/ | 10 | 0645 | 91 | 35. | 2.26 | 0.16 | 50. | 0.49 | 0.24 | 35. | 2.75 | 0.40 | 17.90 | |
| 80/ | 3/ | 10 | 0940 | 92 | 35. | 1.67 | 0.16 | 35. | 0.43 | 0.22 | 35. | 2.10 | 0.38 | 20.31 | |

| DATE | | | NET PHYTOPLANKTON | | | NANNOPHYTOPLANKTON | | | TOTAL PHYTOPLANKTON | | | X NANNOPHYTOPLANKTON | | |
|------|------|-----|-------------------|---------|-------|--------------------|-------|-------|---------------------|-------|-------|----------------------|-------|-------|
| YR | MO | DAY | TIME | CONSEC. | INT. | INT. | INT. | INT. | INT. | INT. | INT. | | | |
| | | | EST | STATION | DEPTH | CHL A | PHAEO | DEPTH | CHL A | PHAEO | DEPTH | CHL A | PHAEO | |
| | | | | | MG/M3 | MG/M3 | MG/M3 | MG/M3 | MG/M3 | MG/M3 | MG/M3 | MG/M3 | MG/M3 | |
| 80/ | 2/20 | | 0627 | 1 | 75. | 0.04 | 0.02 | 75. | 0.19 | 0.12 | 75. | 0.24 | 0.14 | 81.05 |
| 80/ | 2/20 | | 1147 | 2 | 75. | 1.96 | 0.96 | 75. | 0.14 | 0.14 | 75. | 2.10 | 1.10 | 6.69 |
| 80/ | 2/20 | | 1825 | 3 | 75. | 0.06 | 0.02 | 75. | 0.33 | 0.18 | 75. | 0.39 | 0.19 | 84.92 |
| 80/ | 2/20 | | 2318 | 4 | 75. | 0.11 | 0.05 | 75. | 0.20 | 0.15 | 75. | 0.31 | 0.20 | 64.61 |
| 80/ | 2/21 | | 0350 | 5 | 75. | 0.02 | 0.00 | 75. | 0.12 | 0.07 | 75. | 0.14 | 0.07 | 83.88 |
| 80/ | 2/21 | | 0935 | 6 | 75. | 0.15 | 0.02 | 75. | 0.21 | 0.11 | 75. | 0.36 | 0.13 | 58.71 |
| 80/ | 2/21 | | 1255 | 7 | 75. | 0.37 | 0.04 | 75. | 0.22 | 0.13 | 75. | 0.58 | 0.17 | 37.31 |
| 80/ | 2/21 | | 1655 | 8 | 72. | 0.08 | 0.00 | 72. | 0.12 | 0.05 | 72. | 0.21 | 0.05 | 59.83 |
| 80/ | 2/21 | | 2015 | 9 | 75. | 0.07 | 0.01 | 75. | 0.13 | 0.07 | 75. | 0.20 | 0.07 | 65.33 |
| 80/ | 2/22 | | 0740 | 10 | 75. | 0.05 | 0.02 | 75. | 0.16 | 0.09 | 75. | 0.21 | 0.11 | 78.13 |
| 80/ | 2/22 | | 1150 | 11 | 75. | 0.02 | 0.00 | 75. | 0.18 | 0.10 | 75. | 0.20 | 0.11 | 89.94 |
| 80/ | 2/22 | | 1750 | 12 | 75. | 0.08 | 0.02 | 75. | 0.38 | 0.20 | 75. | 0.46 | 0.22 | 82.97 |
| 80/ | 2/22 | | 2125 | 13 | 75. | 0.18 | 0.02 | 75. | 0.40 | 0.20 | 75. | 0.58 | 0.22 | 69.13 |
| 80/ | 2/23 | | 0735 | 14 | 69. | 0.12 | 0.02 | 69. | 0.37 | 0.19 | 69. | 0.48 | 0.20 | 76.04 |
| 80/ | 2/23 | | 1142 | 15 | 75. | 0.24 | 0.02 | 75. | 0.43 | 0.19 | 75. | 0.67 | 0.21 | 64.22 |
| 80/ | 2/23 | | 1525 | 16 | 75. | 0.14 | 0.02 | 75. | 0.14 | 0.08 | 75. | 0.29 | 0.10 | 49.43 |
| 80/ | 2/23 | | 1945 | 17 | 75. | 0.08 | 0.01 | 75. | 0.07 | 0.04 | 75. | 0.16 | 0.05 | 47.11 |
| 80/ | 2/23 | | 2355 | 18 | 75. | 0.31 | 0.02 | 75. | 0.22 | 0.09 | 75. | 0.53 | 0.10 | 41.90 |
| 80/ | 2/24 | | 0340 | 19 | 75. | 1.26 | 0.16 | 75. | 0.24 | 0.13 | 75. | 1.50 | 0.28 | 15.72 |
| 80/ | 2/24 | | 0647 | 20 | 75. | 0.46 | 0.04 | 75. | 0.24 | 0.12 | 75. | 0.69 | 0.16 | 34.27 |
| 80/ | 2/24 | | 0947 | 21 | 75. | 0.42 | 0.02 | 75. | 0.16 | 0.06 | 75. | 0.57 | 0.08 | 27.42 |
| 80/ | 2/24 | | 1343 | 22 | 75. | 0.48 | 0.04 | 75. | 0.23 | 0.12 | 75. | 0.71 | 0.16 | 32.88 |
| 80/ | 2/24 | | 1714 | 23 | 65. | 3.82 | 0.31 | 65. | 0.21 | 0.14 | 65. | 4.03 | 0.46 | 5.26 |
| 80/ | 2/24 | | 2035 | 24 | 55. | 3.86 | 0.45 | 55. | 0.16 | 0.11 | 55. | 4.02 | 0.56 | 3.98 |
| 80/ | 2/24 | | 2335 | 25 | 75. | 1.60 | 0.14 | 75. | 0.12 | 0.06 | 75. | 1.72 | 0.20 | 7.04 |
| 80/ | 2/25 | | 0302 | 26 | 75. | 0.24 | 0.03 | 75. | 0.16 | 0.07 | 75. | 0.40 | 0.09 | 39.89 |
| 80/ | 2/25 | | 0615 | 27 | 75. | 2.70 | 0.16 | 75. | 0.16 | 0.09 | 75. | 2.85 | 0.25 | 5.54 |
| 80/ | 2/25 | | 1050 | 28 | 75. | 0.44 | 0.04 | 75. | 0.30 | 0.13 | 75. | 0.74 | 0.17 | 40.66 |
| 80/ | 2/25 | | 1807 | 29 | 24. | 5.97 | 0.53 | 24. | 0.35 | 0.21 | 24. | 6.32 | 0.74 | 5.52 |
| 80/ | 2/25 | | 2225 | 30 | 50. | 0.38 | 0.05 | 50. | 0.28 | 0.22 | 50. | 0.66 | 0.27 | 41.71 |
| 80/ | 2/26 | | 0130 | 31 | 70. | 0.25 | 0.04 | 70. | 0.32 | 0.17 | 70. | 0.57 | 0.21 | 55.71 |
| 80/ | 2/26 | | 1520 | 32 | 33. | 2.35 | 0.23 | 33. | 0.32 | 0.23 | 33. | 2.67 | 0.46 | 12.10 |
| 80/ | 2/28 | | 1835 | 33 | 57. | 0.11 | 0.02 | 57. | 0.33 | 0.23 | 57. | 0.44 | 0.25 | 75.04 |
| 80/ | 2/28 | | 2150 | 34 | 64. | 0.03 | 0.02 | 64. | 0.29 | 0.18 | 64. | 0.32 | 0.20 | 89.13 |
| 80/ | 2/29 | | 0347 | 35 | 49. | 0.19 | 0.04 | 49. | 0.26 | 0.16 | 49. | 0.45 | 0.20 | 58.02 |
| 80/ | 3/ 1 | | 1322 | 36 | 23. | 0.83 | 0.15 | 23. | 0.44 | 0.35 | 23. | 1.28 | 0.49 | 34.83 |
| 80/ | 3/ 1 | | 1645 | 37 | 25. | 4.18 | 0.36 | 25. | 0.51 | 0.39 | 25. | 4.69 | 0.75 | 10.87 |
| 80/ | 3/ 1 | | 1920 | 38 | 25. | 5.33 | 0.40 | 25. | 0.81 | 0.68 | 25. | 6.14 | 1.08 | 13.18 |
| 80/ | 3/ 1 | | 2320 | 39 | 60. | 0.59 | 0.08 | 60. | 0.29 | 0.28 | 60. | 0.89 | 0.36 | 32.98 |
| 80/ | 3/ 2 | | 0225 | 40 | 72. | 0.07 | 0.00 | 72. | 0.36 | 0.27 | 72. | 0.43 | 0.27 | 83.53 |
| 80/ | 3/ 2 | | 0535 | 41 | 62. | 0.03 | 0.01 | 62. | 0.31 | 0.17 | 62. | 0.34 | 0.18 | 91.06 |
| 80/ | 3/ 2 | | 0950 | 42 | 69. | 0.04 | 0.01 | 69. | 0.36 | 0.24 | 69. | 0.40 | 0.25 | 90.36 |
| 80/ | 3/ 2 | | 1307 | 43 | 64. | 0.04 | 0.01 | 64. | 0.44 | 0.27 | 64. | 0.49 | 0.28 | 91.43 |
| 80/ | 3/ 4 | | 0620 | 44 | 75. | 0.24 | 0.02 | 75. | 0.28 | 0.12 | 75. | 0.52 | 0.14 | 54.46 |
| 80/ | 3/ 4 | | 1107 | 45 | 73. | 0.29 | 0.04 | 73. | 0.32 | 0.18 | 73. | 0.61 | 0.22 | 52.76 |
| 80/ | 3/ 4 | | 1331 | 46 | 30. | 2.59 | 0.25 | 30. | 0.53 | 0.43 | 30. | 3.11 | 0.68 | 16.89 |
| 80/ | 3/ 4 | | 1810 | 47 | 20. | 6.80 | 0.75 | 20. | 0.51 | 0.66 | 20. | 7.31 | 1.41 | 6.97 |
| 80/ | 3/ 4 | | 2140 | 48 | 44. | 1.69 | 0.31 | 44. | 0.30 | 0.48 | 44. | 2.00 | 0.78 | 15.27 |
| 80/ | 3/ 5 | | 0155 | 49 | 67. | 0.16 | 0.07 | 67. | 0.39 | 0.32 | 67. | 0.55 | 0.38 | 70.70 |
| 80/ | 3/ 5 | | 0552 | 50 | 56. | 3.94 | 0.46 | 56. | 0.46 | 0.45 | 56. | 4.40 | 0.91 | 10.43 |
| 80/ | 3/ 5 | | 0955 | 51 | 72. | 0.48 | 0.05 | 72. | 0.25 | 0.15 | 72. | 0.74 | 0.20 | 34.07 |
| 80/ | 3/ 5 | | 1225 | 52 | 70. | 0.28 | 0.04 | 70. | 0.29 | 0.19 | 70. | 0.58 | 0.23 | 51.02 |
| 80/ | 3/ 5 | | 1620 | 53 | 70. | 0.38 | 0.05 | 70. | 0.26 | 0.15 | 70. | 0.65 | 0.21 | 40.80 |
| 80/ | 3/ 5 | | 1915 | 54 | 67. | 0.52 | 0.04 | 67. | 0.36 | 0.18 | 67. | 0.88 | 0.22 | 40.91 |
| 80/ | 3/ 5 | | 2310 | 55 | 65. | 0.59 | 0.07 | 65. | 0.36 | 0.20 | 65. | 0.95 | 0.27 | 37.70 |
| 80/ | 3/ 6 | | 0310 | 56 | 70. | 0.19 | 0.02 | 70. | 0.24 | 0.14 | 70. | 0.44 | 0.16 | 55.79 |
| 80/ | 3/ 6 | | 0642 | 57 | 70. | 0.43 | 0.09 | 70. | 0.31 | 0.16 | 70. | 0.73 | 0.25 | 41.82 |