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**Phytoplankton Monitoring in the Southwest Bay of Fundy During 1993-96**

by

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## ABSTRACT

Martin, J. L., M. M. LeGresley, P. M. Strain, and P. Clement. 1999. Phytoplankton monitoring in the southwest Bay of Fundy during 1993-96. Can. Tech. Rep. Fish. Aquat. Sci. 2265: iv + 132 p.

In May, 1987, a monitoring program was initiated to study phytoplankton populations in the southwest Bay of Fundy. Results from the years 1987 through 1992 have been reported previously. This report provides an additional 4 yr of data from 1993-96. Four locations (Brandy Cove, Lime Kiln Bay, Deadmans Harbour and a site near the islands called the Wolves) continue to be sampled for: phytoplankton enumeration and identification, secchi depth, plant nutrients and depth profiles for temperature and salinity. Phytoplankton and plant nutrient samples were collected at the surface at Brandy Cove, Lime Kiln Bay and Deadmans Harbour; in addition, discrete depths (10 m, 25 m and 50 m) were sampled at the Wolves.

During 3 of the 4 yr between 1993 and 1996, lowest temperatures were observed at Brandy Cove, with the lowest temperature of -1.5°C in February 1994. The highest temperature (15°C) was also detected at Brandy Cove on August 4, 1994. As a result of the St. Croix River influence, lowest salinities (14.6) were also measured at Brandy Cove, whereas values were consistently above 30 at the other three sites. Silicate values ranged from 0.27 µM in the summer to 14.63 µM in the winter, phosphate levels varied between 0.073 and 1.571 µM, nitrate values of 0.02 µM in September to a high of 10.47 µM in winter, and ammonia varied between 0.60 and 10.02 µM.

Dominant species (greater than 10,000 cells•L<sup>-1</sup>) during the 4-yr period included: *Pseudo-nitzschia* spp., *Guinardia delicatula*, *Alexandrium fundyense*, *Chaetoceros* spp., *Thalassiosira nordenskioldii*, *Mesodinium rubrum*, *Scrippsiella trochoidea*, *Heterocapsa triquetra*, and *Skeletonema costatum*. The pattern of a spring April/May diatom bloom followed by a summer June/July dinoflagellate bloom and a later return to diatom dominance in August/September continues.

## RÉSUMÉ

Martin, J. L., M. M. LeGresley, P. M. Strain, and P. Clement. 1999. Phytoplankton monitoring in the southwest Bay of Fundy during 1993-96. Can. Tech. Rep. Fish. Aquat. Sci. 2265: iv + 132 p.

Un programme de surveillance fut établi en mai 1987 pour étudier les populations phytoplanctoniques du sud-ouest de la baie de Fundy. Ce rapport contient les données des années 1993-1996, les résultats des années 1987 jusqu'à 1992 ayant été présenté auparavant. Quatre emplacements (Brandy Cove, baie Lime Kiln, Deadmans Harbour ainsi qu'un emplacement près des îles nommées Wolves) sont échantillonnés; on prend note de l'identification et du dénombrement du phytoplancton, la profondeur du secchi, les nutriments ainsi qu'un profil de température et de salinité en profondeur. À Brandy Cove, baie Lime Kiln et Deadmans Harbour, les échantillons de phytoplancton et de nutriments ne sont prélevés qu'à la surface alors qu'aux Wolves on y ajoute des échantillons de 10 m, 25 m et 50 m de profondeur.

Au cours des années 1993-1996, les températures les plus faibles sont observées à Brandy Cove soit -1.5°C en février 1994. La température la plus élevée (15°C) se retrouve aussi à Brandy Cove le 4 août, 1994. L'influence de la rivière Ste Croix, donne à Brandy Cove ses salinités minimales (14.64) alors qu'aux trois autres localités on mesure régulièrement des salinités au-delà de 30. Les silicates varient entre 0.27 µM en été et 14.63 µM en hiver, les phosphates varient de 0.073µM et 1.571µM, l'azote de 0.02µM en septembre à un maximum de 10.47 µM en hiver et les concentrations d'ammoniac de 0.60 µM à 10.2 µM.

Les espèces principales (plus de 10,000 cellules•L<sup>-1</sup>) pendant ces 4 années incluent : *Pseudo-nitzschia* spp., *Guinardia delicatula*, *Alexandrium fundyense*, *Chaetoceros* sp., *Thalassiosira nordenskioldii*, *Mesodinium rubrum*, *Scrippsiella trochoidea*, *Heterocapsa triquetra* et *Skeletonema costatum*. Le modèle d'une prolifération printanière de diatomées suivi en juin/juillet d'une augmentation de dinoflagellés et enfin un retour aux diatomées au mois d'août/septembre se poursuit.

## INTRODUCTION

In May, 1987, a phytoplankton monitoring program was established in response to concern about growth of the salmonid aquaculture industry and its possible effects on the environment. In addition, incidents of fish mortalities appeared to be increasing in other regions of the world (Anderson 1989), and monitoring would provide an early warning to industry of potentially harmful species. It would also establish baseline data and determine species diversity and identify changes in patterns and trends in phytoplankton populations. Furthermore, the Bay of Fundy has a long history of paralytic shellfish poisons (PSP) that accumulate in shellfish tissues, resulting in closures of shellfish beds to harvesting during the summer.

When the program was initiated in 1987, up to 12 sites were sampled: 10 in the Letang area (Fig. 1), where the majority of the aquaculture industry was located, and two locations in Harbour de Lute at Campobello Island. In 1988, the number was expanded to 18 and the following sampling sites were added: three in Passamaquoddy Bay, another near the western coast of Deer Island, one at Deadmans Harbour and one near the islands called the Wolves to act as an offshore indicator site for blooms that might be initiated in the central Bay of Fundy region. Sampling at these 18 sites continued for 2 yr. In 1990, five locations were discontinued in the Letang area due to the similarity of results in the Letang and to reduce sampling costs. In November, 1991, the number of sites was reduced to the four that continue to be monitored today: Brandy Cove (#17 - a brackish location influenced by the St. Croix River), Lime Kiln Bay (#3 - in the Letang estuary where a number of aquaculture sites are located), Deadmans Harbour (#15 - an open bay with offshore influence) and the Wolves Islands (#16 - to provide an indication of offshore populations).

Organisms that have been responsible for unacceptable levels of toxins in the Bay of Fundy that resulted in closures of shellfish harvesting areas are *Alexandrium fundyense* (paralytic shellfish (PSP) toxins) and *Pseudo-nitzschia pseudodelicatissima* (domoic acid). Closures as a result of unsafe levels of PSP toxins occur on an annual basis and those as a result of unsafe levels of domoic acid occurred in 1988 and 1995. Species (*Dinophysis* spp. and *Prorocentrum* spp.) known to produce diarrhetic shellfish toxins elsewhere in the world have also been observed.

Earlier results from the monitoring program were published previously (Wildish et al. 1988, 1990; Martin et al. 1995). Presented in this report are results

from analyses of phytoplankton, plant nutrients, temperature and salinity during 4 yr – 1993, 1994, 1995 and 1996.

## MATERIALS AND METHODS

Sampling was conducted aboard the 12.8-m research vessel, PANDALUS III, from stations 3, 15, 16 and 17 in the southwest Bay of Fundy (Fig. 1). Frequency of sampling was weekly during the months of June through September, biweekly during May and October, and monthly during the colder months (November through April). Extra samples were collected occasionally when required at additional sites. Samples for phytoplankton and nutrient analysis were collected at the surface by bucket for the four stations and at discrete depths of 10 m, 25 m, and 50 m with a Niskin bottle at station #16 near the Wolves. Secchi depth was also recorded at all locations. Temperatures were also recorded from the surface samples.

A Seabird Model 19 Profiling CTD was used to collect vertical profiles of temperature and salinity at each site. Salinity results are reported on the Practical Salinity Scale (1980).

A horizontal plankton tow was made during summer months with a 20- $\mu\text{m}$  mesh net, 0.3 m in diameter. A subsample was preserved with formalin:acetic acid and a live sample was taken for identification and culture.

Silicate, phosphate, ammonia, and nitrate (nitrite and nitrate) were determined using a Technicon Autoanalyzer II. Details of the methods are described in Strain and Clement (1996).

Water samples of 250 mL were preserved with 5 mL formalin:acetic acid (1:1 by volume). Later, 50-mL subsamples were settled in Zeiss counting chambers for 16 h. All phytoplankton greater than 5  $\mu\text{m}$  were identified and enumerated (as  $\text{cells}\cdot\text{L}^{-1}$ ) using a Nikon inverted microscope. *Alexandrium fundyense* cells include all life cycle stages but each life cycle stage is also documented separately. For example, the various life stages include: duplets or triplets (asexually dividing cells) which are generally observed early during the bloom, and the later sexual stage in which two cells fuse together (fusing) and result in a planozygote. Occasionally, the overwintering form or “cyst” which is found in sediments may be observed in the water column (Martin and White 1988). The *Pseudo-nitzschia delicatissima* group included species of both *P. pseudodelicatissima* and *P. delicatissima*. The *P. seriata* group

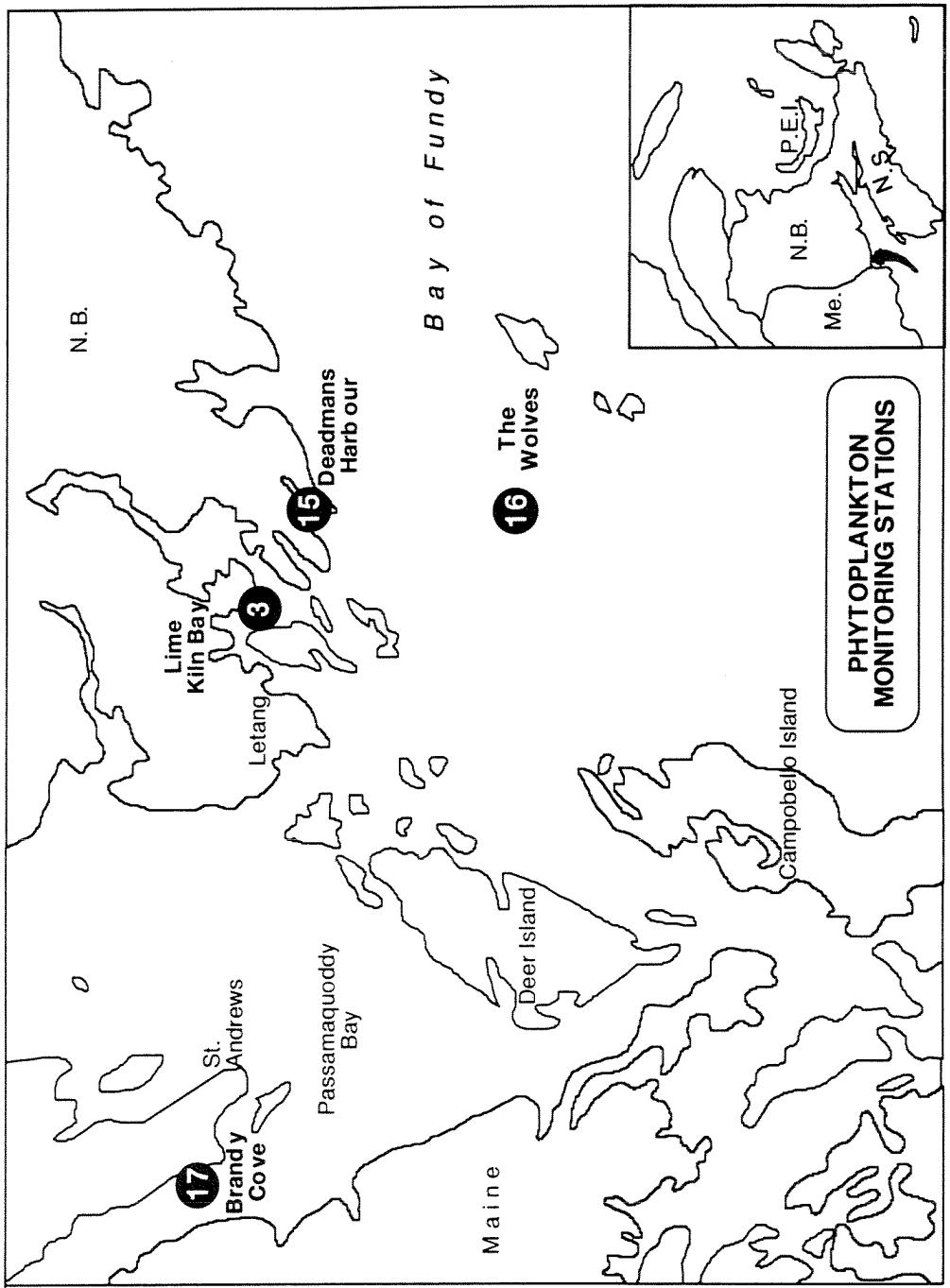


Fig. 1. Sampling stations - Brandy Cove (#17), Lime Kiln (#3), Deadmans Harbour (#15), and near the Wolves Islands (#16).

includes species of *P. pungens* and *P. seriata*. A list of references used for phytoplankton identification is added separately to the regular reference list.

All samples and data were labeled according to location and depth, as well as with an identification number assigned at the time of collection. Information was entered, maintained and accessed in a database. Individual depth profiles from the SeaBird profiler and net haul results were stored separately.

## RESULTS

There were 29, 27, 27 and 24 sampling days during the years 1993, 1994, 1995 and 1996, respectively. Numbers of samples analyzed were: 191 (1993), 151 (1994), 189 (1995) and 160 (1996).

## PHYTOPLANKTON

During the 4 yr, 152 species of phytoplankton and smaller zooplankton were identified. As well, there were some unidentified pennates, unarmoured dinoflagellates, unidentified dinoflagellates, tintinnids and unidentified flagellates. A species list is located in Appendix 1. Species names that have changed since earlier results were published and their current nomenclatures are listed in Appendix 2, and have been updated through consultation with Thomas (1997) and R. Horner (pers. commun.). Results from identification and enumeration of phytoplankton are in Appendix 3. Organisms observed in numbers greater than 10,000 cells•L<sup>-1</sup> for each year are listed alphabetically in Table 1. Species such as the *Pseudo-nitzschia delicatissima* group, *Guinardia delicatula*, *Thalassiosira nordenskioeldii*, *Alexandrium fundyense*, *Mesodinium rubrum*, *Scrippsiella trochoidea*, and *Heterocapsa triquetra* were dominant during all years.

Chain-forming diatoms such as *Chaetoceros* spp., *Thalassiosira* spp. and *Guinardia* sp. were counted as number of chains observed instead of total number of individual frustules. The authors may be contacted for information on chain size since notation was made on length of chains.

The *Pseudo-nitzschia delicatissima* group replaces the species that was referred to as *P. pseudodelicatissima* in earlier reports. This is due to the similarity between the *P. pseudodelicatissima* and *P. delicatissima* under the light microscope. Preliminary examination indicates that the species normally observed during late spring/early summer is *P. delicatissima* and the species observed during late

Table 1. Organisms detected at levels greater than 10,000 cells•L<sup>-1</sup>.

### 1993

- Alexandrium fundyense*
- Heterocapsa triquetra*
- Scrippsiella trochoidea*
- Cerataulina pelagica*
- Chaetoceros compressus*
- Guinardia delicatula*
- Leptocylindrus minimus*
- Pseudo-nitzschia delicatissima* group
- Skeletonema costatum*
- Thalassiosira nordenskioeldii*
- Mesodinium rubrum*

### 1994

- Alexandrium fundyense*
- Heterocapsa triquetra*
- Scrippsiella trochoidea*
- Chaetoceros debilis*
- Ditylum brightwellii*
- Guinardia delicatula*
- Leptocylindrus minimus*
- Pseudo-nitzschia delicatissima* group
- Skeletonema costatum*
- Thalassiosira gravida*
- Thalassiosira nordenskioeldii*
- Mesodinium rubrum*

### 1995

- Alexandrium fundyense*
- Heterocapsa triquetra*
- Scrippsiella trochoidea*
- Cerataulina pelagica*
- Chaetoceros debilis*
- Guinardia delicatula*
- Pseudo-nitzschia delicatissima* group
- Pseudo-nitzschia seriata* group
- Thalassiosira angulata*
- Thalassiosira nordenskioeldii*
- Dictyocha speculum*
- Mesodinium rubrum*

### 1996

- Alexandrium fundyense*
- Ceratium lineatum*
- Gonyaulax digitale*
- Heterocapsa triquetra*
- Scrippsiella trochoidea*
- Guinardia delicatula*
- Pseudo-nitzschia delicatissima* group
- Pseudo-nitzschia seriata* group
- Skeletonema costatum*
- Thalassiosira nordenskioeldii*
- Mesodinium rubrum*

summer that has been shown to produce domoic acid (with resultant closures) when observed at cell concentrations exceeding 1 million cells•L<sup>-1</sup> is *P. pseudodelicatissima*.

The organism with the greatest concentrations of cells during all years was the *P. delicatissima* group for both the spring and summer blooms. Concentrations exceeded 1.0 x 10<sup>6</sup> cells•L<sup>-1</sup> in: July, 1993 at Brandy Cove, Deadmans and the Wolves; June, 1994 at Brandy Cove, Lime Kiln Bay and the Wolves; late August, 1995 at Deadmans and the Wolves; and late August, 1996 at Lime Kiln Bay and the Wolves (Fig. 2). In 1995, concentrations greater than 1 million cells•L<sup>-1</sup> were observed and domoic acid was detected in shellfish (D. Richard, pers. commun.).

*Alexandrium fundyense*, the organism responsible for producing PSP toxins was observed during all years at concentrations exceeding 10,000 cells•L<sup>-1</sup> (Fig. 3). *A. fundyense* blooms during the 4 yr were initiated in late May/early June followed by a later bloom in late June/July. Highest concentrations (6.36 x 10<sup>4</sup> cells•L<sup>-1</sup>) were observed at the surface at station 3 on July 13, 1993. Greatest levels for the other 3 yr were at station 15: 5.39 x 10<sup>4</sup> cells•L on June 28, 1994; 2.9 x 10<sup>4</sup> cells•L<sup>-1</sup> on July 19, 1995; and 1.61 x 10<sup>4</sup> cells•L<sup>-1</sup> on August 12, 1996.

## SALINITY

Salinity results are in Appendix 4. Lowest values during the 4-yr period were measured at Station #17, Brandy Cove. During 1994 the salinity was 14.64 on February 8, whereas the lowest values in 1993, 1995 and 1996 were 19.63 (April 15), 18.91 (September 5) and 21.14 (June 6). The highest value observed was 32.95 at Station 15 on October 17, 1994. Highest values for other years were: November 12, 1993 – 32.32 (#16); October 24, 1995 – 32.33 (#16) and January 23, 1996 - 31.97 (#3).

## TEMPERATURE

Water temperatures ranged from -1.5 to 15.0°C (Appendix 4). During 3 of the 4 yr, lowest temperatures were detected at Station 17 with -1.0, -1.5 and -0.2°C on March 9, 1993, February 8, 1994 and February 27, 1995. The lowest temperature measured in 1996 (1.0°C) was at Station #3 in Lime Kiln Bay. The maximum temperature (15.0°C) was observed on August 4, 1994 at station #17. The high for the remaining years ranged between 13.0 and 13.9°C at stations #15 and #16 and was observed during late August or early September.

## NUTRIENT ANALYSES

Nutrient results are presented in Appendix 4. Silicate ranged from 0.27 to 14.63 µM; phosphate from 0.073 to 1.571 µM; nitrate from 0.02 to 10.47 µM and ammonia from 0.60 to 10.02 µM.

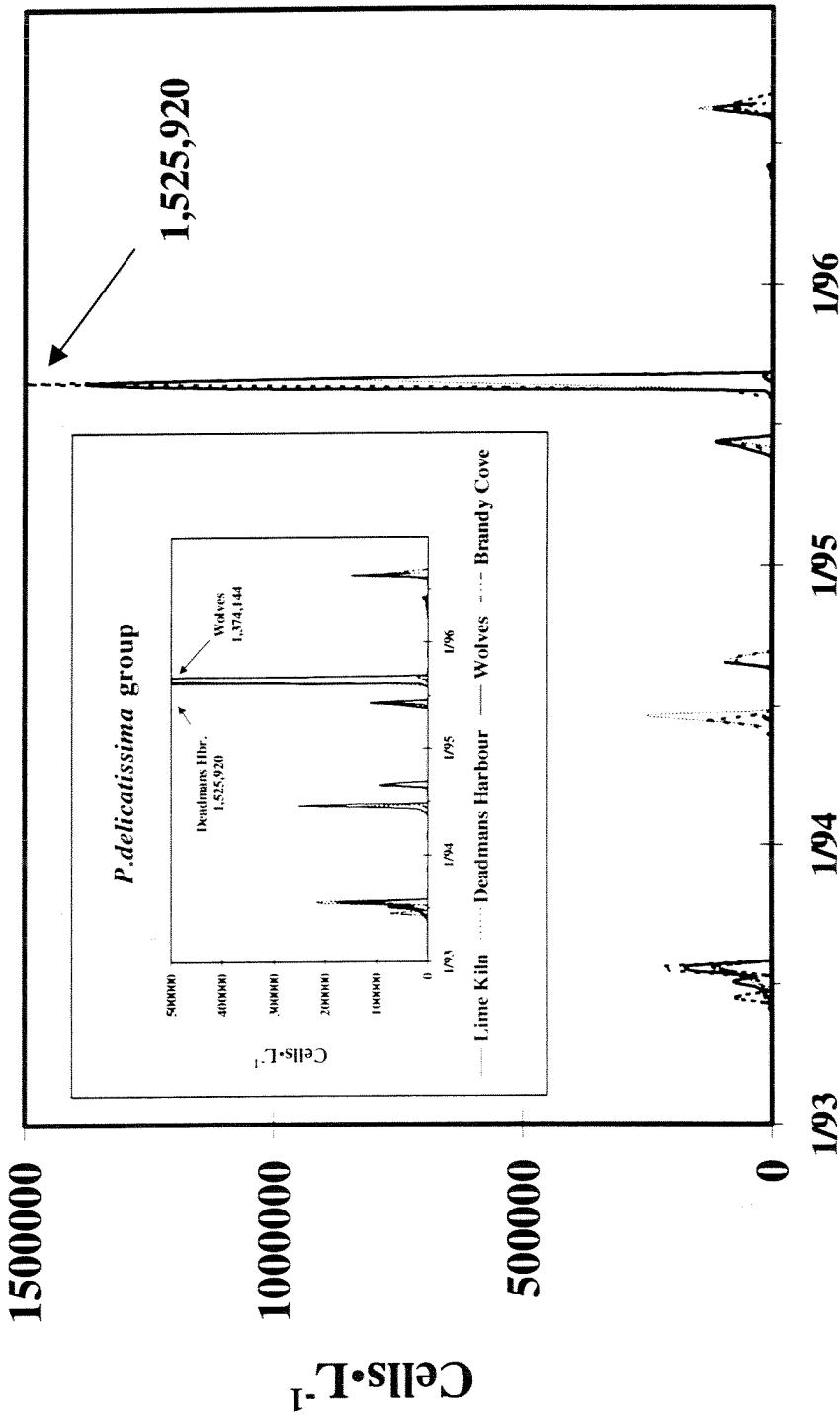
## DISCUSSION

Almost all phytoplankton and smaller zooplankton occur in the Bay of Fundy without causing harm. The two species known to cause problems are *A. fundyense* and *P. pseudodelicatissima*, the species that produce PSP toxins and domoic acid, respectively. *A. fundyense* is responsible for closures of many shellfish harvesting areas each year (generally during the summer) due to unsafe levels of PSP toxins. PSP toxins were also responsible for herring mortalities in 1976 and 1979 in the Bay of Fundy, when the toxins were transferred through the food chain (White 1980). In addition, PSP toxins were detected in mackerel in the Bay of Fundy in 1988, suggesting another food chain route (Haya et al. 1990). *P. pseudodelicatissima* produces domoic acid in the Bay of Fundy and resulted in unsafe levels of domoic acid in shellfish tissues in Passamaquoddy Bay in 1988 (Martin et al. 1990, 1993; Haya et al. 1991) and again in 1995(Martin et al. 1998), but this incident was restricted to areas outside Passamaquoddy Bay.

Prior knowledge of harmful blooms in an area is important for an early warning system and the threshold point for each species must be determined. As few as 20 *A. fundyense* cells•L<sup>-1</sup> or one cell in a net haul can result in PSP toxins being detected in shellfish. However, the situation with *P. pseudodelicatissima* is very different; concentrations greater than 1 million cells•L<sup>-1</sup> in the water seem to be required for shellfish toxicity.

Other species of organisms present in Bay of Fundy waters that are known to have caused problems elsewhere in Canada or the world include: *Dinophysis* spp. and *Prorocentrum* spp. (Marcaillou-Le Baut and Masselin 1990; Sampayo et al. 1990; Fernández et al. 1998) (diarrhetic shellfish toxins); *Chaetoceros convolutus*, *C. concavicornis* (Horner et al. 1990, 1997) *Gyrodinium aureolum* (Dahl and Tangen 1990, 1993; Romdhane et al. 1998) and *Leptocylindrus minimus* (Clément and Lembege 1993; Albright 1993) (salmon mortalities). Although these species are observed each year in the Fundy region, there have not been any documented incidents of harmful effects to date.

## *P. delicatissima* group



Lime Kiln    Deadmans Harbour    Wolves    Brandy Cove

Fig. 2. *Pseudo-nitzschia delicatissima* group concentrations during 1993-96.

## *Alexandrium fundyense*

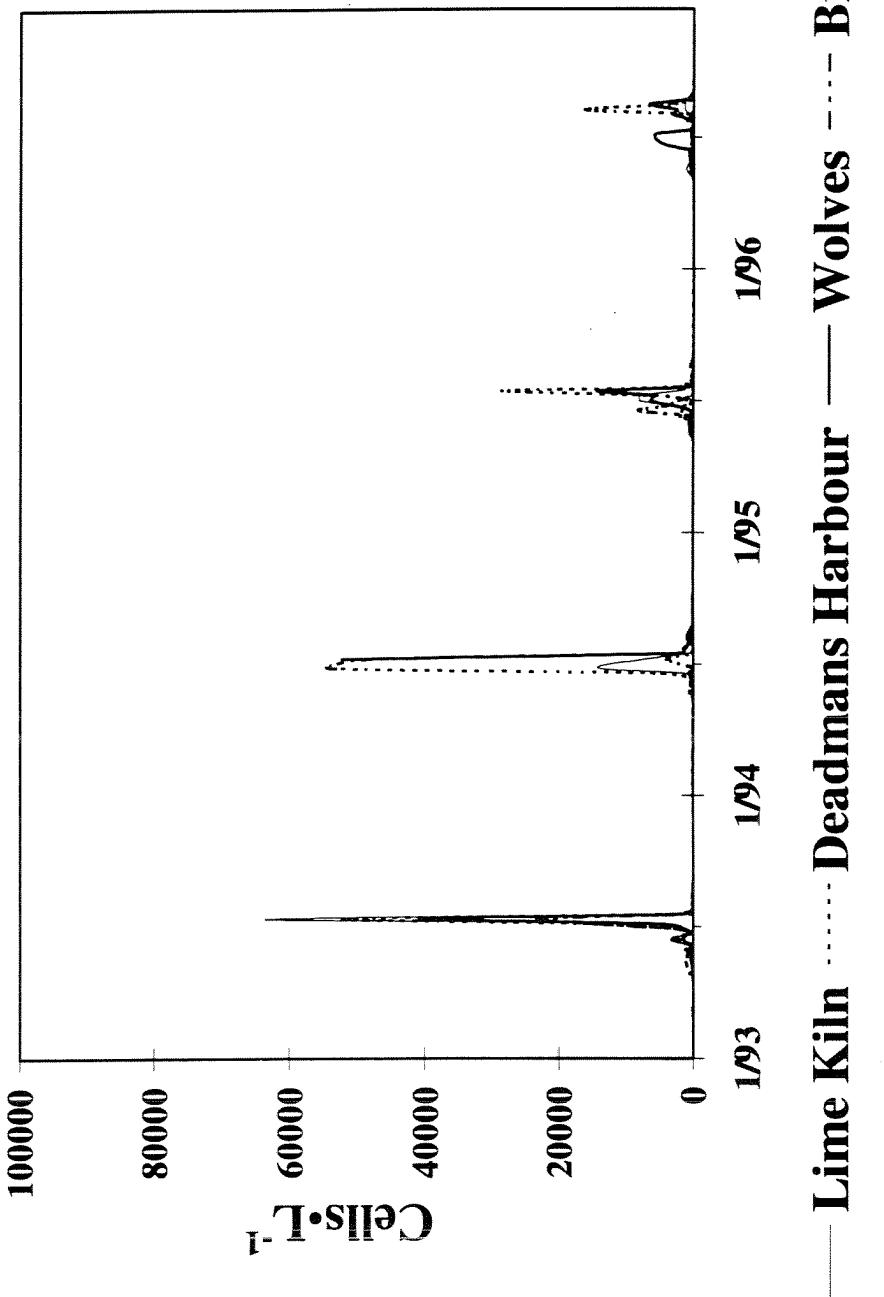


Fig. 3. *Alexandrium fundyense* concentrations during 1993-96.

Monitoring since 1987 has shown that during bloom periods between May and October sampling should be done at least once per week. Sampling less frequently would lead to missing either an event or a peak in a bloom, since data show that maximum concentrations occur during a single sample over a 2- to 3-wk bloom period. Populations can increase by an order of magnitude from one week to the next under ideal conditions. These conditions can vary between organisms. Sampling on a weekly basis, combined with prompt sample analyses, also provides an early warning of harmful algal blooms for industry and regulatory agencies.

Phytoplankton populations within Passamaquoddy Bay tend to follow a different pattern from those outside Passamaquoddy Bay – i.e. in the Letang, and Wolves regions. For example, during the 4 yr (1993-96), the total annual dinoflagellate counts at Brandy Cove (Passamaquoddy Bay) were 80% lower than the total annual dinoflagellate numbers at the Wolves or Deadmans Harbour. In addition, cell concentrations in Brandy Cove were at least 50% lower than those at Lime Kiln Bay. Organisms at Brandy Cove with consistently lower numbers for all 4 yr were *H. triquetra* and *S. trochoidea*. These two species were also lower in number at Brandy Cove than outside Passamaquoddy Bay in 1990 and 1992 as shown from previously reported data (Martin et al. 1995). Another example is the *P. delicatissima* group. During 1994, counts were 320 cells•L<sup>-1</sup> in Brandy Cove in August as compared to more than  $9.3 \times 10^4$  cells•L<sup>-1</sup> at the Wolves. The greatest difference was in 1995 where numbers exceeded 1 million cells•L<sup>-1</sup> at the Wolves and Deadmans Harbour and resulted in shellfish closures. Peak counts at the same time in Passamaquoddy Bay were  $1.8 \times 10^4$  cells•L<sup>-1</sup>, which was 1% of the number observed outside. Interestingly, low values for silicate in 1995 coincided with the high concentrations of *P. pseudodelicatissima*.

The highest number of *A. fundyense* cells in Passamaquoddy Bay in 1993 was approximately 55% and 44% of those observed from the Wolves and Deadmans Harbour. During 1994, in Passamaquoddy Bay, *A. fundyense* numbers were less than 10% of concentrations at the Wolves and Deadmans Harbour. In 1995, the Passamaquoddy Bay bloom occurred 1 mo earlier than those at the Wolves and Deadmans with counts 40% lower than at the Wolves and 72% lower than at Deadmans. 1996 was a year with little *A. fundyense* activity during which only 360 cells were found in Passamaquoddy Bay – 6% and 2% of values from the Wolves and Deadmans.

Station #16 (the Wolves) seemed to have the highest concentrations of *A. fundyense* and provided an early warning for offshore populations prior to 1992. In the years 1993-96, this was not the case. We observed *A. fundyense* consistently early and at higher numbers at Station #15 (Deadmans Harbour) during 3 of the 4 yr. This may in part be due to the fact that rough weather sometimes makes it impossible to sample the site at the Wolves. However, by monitoring both sites, we are able to provide an early warning and have knowledge of advected populations.

Unfortunately, we are not yet in a position to predict phytoplankton densities from year to year. We are able to determine patterns and trends through the monitoring program as well as provide an early warning to industry and regulatory agencies of bloom progress. This did occur in 1995 when high concentrations of *P. pseudodelicatissima* were observed in the region and personnel from the Inspection Division of the Dept. of Fisheries and Oceans were alerted and initiated sampling for domoic acid in shellfish and closed areas with unsafe levels. The monitoring does indicate that densities vary from year to year and it is necessary to monitor weekly in order to provide an early warning. In addition, as industries expand and changes occur, environmental monitoring should continue.

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**Appendix 1. Species observed during 1993-96**



### Species list for 1993-1996

#### Dinoflagellates

*Alexandrium fundyense*  
*Alexandrium fundyense* (cyst)  
*Alexandrium fundyense* (duplet)  
*Alexandrium fundyense* (fusing)  
*Alexandrium fundyense* (planozygote)  
*Alexandrium fundyense* (quadruplet)  
*Alexandrium fundyense* (triplet)  
*Amylax triacantha*  
*Ceratium arcticum*  
*Ceratium furca*  
*Ceratium fusus*  
*Ceratium lineatum*  
*Ceratium longipes*  
*Ceratium macroceros*  
*Ceratium minutum*  
*Ceratium sp.*  
*Ceratium tripos*  
*Dinophysis acuminata*  
*Dinophysis acuta*  
*Dinophysis caudata*  
*Dinophysis dens*  
*Dinophysis fortii*  
*Dinophysis hastata*  
*Dinophysis norvegica*  
*Dinophysis pulchella*  
*Dinophysis sp.*  
*Dinophysis tripos*  
*Gonyaulax digitale*  
*Gonyaulax spinifera*  
*Gymnodinium sp.*  
*Gyrodinium aureolum*  
*Gyrodinium sp.*  
*Heterocapsa triquetra*  
*Minuscula bipes*  
*Peridinium limbatum*  
*Phalacroma rotundatum*  
*Prorocentrum micans*  
*Prorocentrum minimum*  
*Prorocentrum sp.*  
*Protoperidinium denticulatum*  
*Protoperidinium depressum*  
*Protoperidinium oblongum*  
*Protoperidinium ovatum*  
*Protoperidinium pellucidum*  
*Protoperidinium sp.*  
*Protoperidinium steinii*  
*Scrippsiella trochoidea*  
 Unarmoured dinoflagellate  
 Unidentified dinoflagellate

#### Diatoms

*Achnanthes sp.*  
*Actinoptychus senarius*  
*Asterionella sp.*  
*Asterionellopsis glacialis*  
*Asterionellopsis kariana*  
*Bacillaria paxillifer*  
*Cerataulina pelagica*  
*Chaetoceros affinis*  
*Chaetoceros atlanticus*  
*Chaetoceros borealis*  
*Chaetoceros brevis*  
*Chaetoceros compressus*  
*Chaetoceros constrictus*  
*Chaetoceros convolutus*  
*Chaetoceros debilis*  
*Chaetoceros decipiens*  
*Chaetoceros densus*  
*Chaetoceros diadema*  
*Chaetoceros didymus*  
*Chaetoceros furcellatus*  
*Chaetoceros ingolfianus*  
*Chaetoceros laciniatus*  
*Chaetoceros lorenzianus*  
*Chaetoceros simplex*  
*Chaetoceros socialis*  
*Chaetoceros sp.*  
*Chaetoceros subtilis*  
*Chaetoceros teres*  
*Corethron criophilum*  
*Coscinodiscus sp.*  
*Cylindrotheca closterium*  
*Dactyliosolen fragilissimus*  
*Dactyliosolen sp.*  
*Detonula pumila*  
*Ditylum brightwellii*  
*Eucampia sp.*  
*Eucampia zodiacus*  
*Fragilaria crotonensis*  
*Fragilaria sp.*  
*Grammatophora marina*  
*Guinardia delicatula*  
*Guinardia flaccida*  
*Guinardia striata*  
*Gyrosigma /Pleurosigma*  
*Gyrosigma balticum*  
*Gyrosigma fasciola*  
*Gyrosigma littorale*  
*Gyrosigma prolongatum*  
*Gyrosigma sp.*  
*Gyrosigma tenuissimum*  
*Helicotheca tamesis*

**Diatoms ( continued)**

*Lauderia annulata*  
*Leptocylindrus danicus*  
*Leptocylindrus mediterraneus*  
*Leptocylindrus minimus*  
*Licmophora abbreviata*  
*Licmophora flabellata*  
*Melosira ambigua*  
*Melosira monoliformis*  
*Melosira nummuloides*  
*Melosira sp.*  
*Navicula sp.*  
*Odontella aurita*  
*Odontella obtusa*  
*Odontella regia*  
*Paralia marina*  
Pennate diatom  
*Pleurosigma angulatum*  
*Pleurosigma angulatum* var. *strigosa*  
*Pleurosigma sp.*  
*Porosira glacialis*  
*Proboscia alata*  
*Pseudo-nitzschia delicatissima* group  
*Pseudo-nitzschia seriata* group  
*Pseudo-nitzschia sp.*  
*Rhabdonema sp.*  
*Rhizosolenia gracillima*  
*Rhizosolenia hebetata*  
*Rhizosolenia imbricata*  
*Rhizosolenia pungens*  
*Rhizosolenia setigera*  
*Rhizosolenia sp.*  
*Skeletonema costatum*  
*Stephanopyxis turris*  
*Thalassionema nitzschioides*  
*Thalassiosira angulata*  
*Thalassiosira auguste-lineata*  
*Thalassiosira baltica*  
*Thalassiosira gravida*  
*Thalassiosira nordenskioeldii*  
*Thalassiosira rotula*  
*Thalassiosira sp.*  
*Thalassiothrix longissima*  
*Triceratium alternans*

**Others**

*Acartia sp.*  
*Brachionus sp.*  
*Dictyocha fibula*  
*Dictyocha speculum*  
*Dinobryon*  
*Favella sp.*  
*Helicostomella sp.*  
*Mesodinium rubrum*  
*Notholca sp.*  
*Parafavella sp.*  
*Ptychocylis sp.*  
*Salpingella sp.*  
Tintinnids  
Unidentified flagellate

**Appendix 2. Species names that have changed and their current nomenclature**



## Synonyms

Name used	Old name used
<b>Dinoflagellates</b>	
<i>Amylax triacantha</i>	<i>Gonyaulax triacantha</i>
<i>Dinophysis pulchella</i>	<i>Phalacroma pulchellum</i>
<i>Heterocapsa triquetra</i>	<i>Peridinium triqueta</i>
<i>Phalacroma rotundatum</i>	<i>Dinophysis rotundata</i>
<i>Protoperidinium denticulatum</i>	<i>Peridinium denticulatum</i>
<i>Protoperidinium depressum</i>	<i>Peridinium depressum</i>
<i>Protoperidinium oblongum</i>	<i>Peridinium oblongum</i>
<i>Protoperidinium ovatum</i>	<i>Peridinium ovatum</i>
<i>Protoperidinium sp.</i>	<i>Peridinium sp.</i>
<b>Diatoms</b>	
<i>Actinptychus senarius</i>	<i>Actinptychus undulatus</i>
<i>Asterionellopsis glacialis</i>	<i>Asterionella japonica</i>
<i>Asterionellopsis kariana</i>	<i>Asterionella kariana</i>
<i>Bacillaria paxillifer</i>	<i>Bacillaria paradoxa</i>
<i>Cylindrotheca closterium</i>	<i>Nitzschia closterium</i>
<i>Dactyliosolen fragilissimus</i>	<i>Rhizosolenia fragilissima</i>
<i>Detonula pumila</i>	<i>Thalassiosira condensata</i>
<i>Ditylum brightwellii</i>	<i>Ditylum brightwellii</i>
<i>Eucampia zodiacus</i>	<i>Eucampia zodiacus</i>
<i>Guinardia delicatula</i>	<i>Rhizosolenia delicatula</i>
<i>Guinardia striata</i>	<i>Rhizosolenia stolterfothii</i>
<i>Gyrosigma balticum</i>	<i>Gyrosigma baltica</i>
<i>Helicotheca tamesis</i>	<i>Streptotheca thamensis</i>
<i>Lauderia annulata</i>	<i>Lauderia borealis</i>
<i>Licmophora abbreviata</i>	<i>Lycmophora lyngbyei</i>
<i>Odontella aurita</i>	<i>Biddulphia aurita</i>
<i>Odontella obtusa</i>	<i>Biddulphia obtusa</i>
<i>Odontella regia</i>	<i>Biddulphia regia</i>
<i>Paralia marina</i>	<i>Paralia sulcata</i>
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	<i>Pleurosigma strigosum</i>
<i>Proboscia alata</i>	<i>Rhizosolenia alata</i>
<i>Pseudo-nitzschia delicatissima</i> group	<i>Pseudonitzschia pseudodelicatissima</i>
<i>Pseudo-nitzschia seriata</i> group	<i>Pseudonitzschia pungens</i>
<i>Pseudo-nitzschia seriata</i> group	<i>Pseudonitzschia seriata</i>
<i>Rhizosolenia imbricata</i>	<i>Rhizosolenia shrubsolei</i>
<i>Thalassionema nitzschiooides</i>	<i>Thalassiothrix nitzschiooides</i>
<i>Thalassiosira angulata</i>	<i>Thalassiosira decipiens</i>
<i>Thalassiosira auguste-lineata</i>	<i>Coscinosira polychorda</i>
<i>Triceratium alternans</i>	<i>Biddulphia alternans</i>
<i>Dictyocha speculum</i>	<i>Distephanus speculum</i>



**Appendix 3. Phytoplankton densities as number of cells·L<sup>-1</sup> in the southwest Bay of Fundy during 1993-96**



ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 01- 07- 93</b>							
<i>Alexandrium fundyense</i>		20			20		
<i>Alexandrium fundyense</i> (cyst)					20		
<i>Ceratium longipes</i>		20					
<i>Corethron criophilum</i>		20	60	40	40		
<i>Cylindrotheca closterium</i>	400	80	420	1500	1120	900	120
<i>Ditylum brightwellii</i>				20	20		20
<i>Guinardia delicatula</i>	40		20				
<i>Gyrosigma fasciola</i>			60		60		
<i>Leptocylindrus minimus</i>	20				20		
<i>Licmophora abbreviata</i>							20
<i>Navicula sp.</i>	20	40	60	60	60	140	
<i>Pleurosigma angulatum</i>						20	
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>		60	20	20			
<i>Proboscia alata</i>					20		
<i>Pseudo-nitzschia delicatissima</i> group	60	100	160	220	420	260	20
<i>Pseudo-nitzschia seriata</i> group					20		
<i>Rhabdonema sp.</i>					20		
<i>Skeletonema costatum</i>					20		
<i>Thalassiosira angulata</i>						20	
<i>Dictyocha speculum</i>				20			
<i>Mesodinium rubrum</i>		60	160				500
Tintinnids			20			20	420
Unidentified flagellate						20	
<b>Date: 02- 12- 93</b>							
<i>Alexandrium fundyense</i>			20	60		20	
<i>Protoperidinium sp.</i>	20				20		
<i>Chaetoceros sp.</i>		20					
<i>Corethron criophilum</i>			20				
<i>Cylindrotheca closterium</i>	140	160	120	1020	440	220	60
<i>Ditylum brightwellii</i>							20
<i>Guinardia delicatula</i>				20			
<i>Gyrosigma fasciola</i>				20	40	20	20
<i>Licmophora abbreviata</i>				20			
<i>Melosira ambigua</i>				20			
<i>Melosira nummuloides</i>				20			
<i>Navicula sp.</i>	60	80	40	160	60	20	40
<i>Pleurosigma angulatum</i>				20			
<i>Pleurosigma sp.</i>							20
<i>Pseudo-nitzschia delicatissima</i> group	420	740	640	740	480	680	280
<i>Pseudo-nitzschia sp.</i>					20		
<i>Rhizosolenia hebetata</i>				20			
<i>Rhizosolenia imbricata</i>					20		
<i>Rhizosolenia setigera</i>	20						
<i>Skeletonema costatum</i>			20	20	20	20	40
<i>Thalassiosira angulata</i>			20				
<i>Thalassiosira gravida</i>	20						
<i>Thalassiosira nordenskioeldii</i>	40						40
<i>Thalassiosira sp.</i>	20						
<i>Dictyocha speculum</i>				40			
<i>Mesodinium rubrum</i>	40					80	
Tintinnids							40

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 03- 09- 93</b>							
<i>Alexandrium fundyense</i>		40					
<i>Ceratium minutum</i>	20						
<i>Dinophysis acuta</i>		20					
<i>Dinophysis norvegica</i>	20						
<i>Protoperidinium sp.</i>		20					
<i>Chaetoceros decipiens</i>		20					
<i>Chaetoceros sp.</i>	20	20					
<i>Cylindrotheca closterium</i>	20	120					40
<i>Gyrosigma fasciola</i>	20						
<i>Leptocylindrus danicus</i>	80						
<i>Leptocylindrus minimus</i>		20					
<i>Navicula sp.</i>	60	60					20
<i>Odontella aurita</i>	40						
<i>Pseudo-nitzschia delicatissima</i> group	900	1480					160
<i>Skeletonema costatum</i>	80	60					
<i>Thalassiosira gravida</i>	20						
<i>Dictyocha speculum</i>	20						
<i>Mesodinium rubrum</i>		60					120
<b>Date: 04- 15- 93</b>							
<i>Alexandrium fundyense</i>					20		
<i>Ceratium longipes</i>					20		
<i>Asterionella sp.</i>			20				
<i>Chaetoceros compressus</i>				20	20	20	40
<i>Chaetoceros constrictus</i>							40
<i>Chaetoceros debilis</i>			40	20			40
<i>Chaetoceros decipiens</i>					20		
<i>Chaetoceros ingolfianus</i>				20			
<i>Chaetoceros socialis</i>				180		20	60
<i>Chaetoceros sp.</i>	60	20	20	600	320	80	900
<i>Coscinodiscus sp.</i>	20						
<i>Cylindrotheca closterium</i>	20	20	20	20	40	40	
<i>Fragilaria sp.</i>	20						
<i>Gyrosigma fasciola</i>				20			60
<i>Leptocylindrus minimus</i>		20	20				
<i>Licmophora abbreviata</i>				20			
<i>Melosira nummuloides</i>				20			
<i>Navicula sp.</i>	40	40	20	40	40	40	60
<i>Porosira glacialis</i>	40	40	40	180	140	120	80
<i>Pseudo-nitzschia delicatissima</i> group	640	400	620	520	600	440	80
<i>Rhizosolenia hebetata</i>			20				
<i>Rhizosolenia setigera</i>			20			20	
<i>Skeletonema costatum</i>	160	60	60	160	40	100	20
<i>Thalassionema nitzschiooides</i>			20				
<i>Thalassiosira angulata</i>			20		40		20
<i>Thalassiosira auguste-lineata</i>	20						20
<i>Thalassiosira gravida</i>	180	80	60	60	40	80	40
<i>Thalassiosira nordenskioeldii</i>	1080	20	40	2840	1360	740	5840
<i>Thalassiosira sp.</i>							20
<i>Dinobryon</i>							40
<i>Mesodinium rubrum</i>		20		40			20
Tintinnids						20	

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 05- 12- 93</b>							
<i>Alexandrium fundyense</i>	300	1000	240	60	20		20
<i>Alexandrium fundyense</i> (duplet)		20	40				
<i>Alexandrium fundyense</i> (triplet)	20	20					20
<i>Amylax triacantha</i>							20
<i>Ceratium longipes</i>				20	20		
<i>Ceratium sp.</i>				20			
<i>Heterocapsa triquetra</i>	40	20	20	20			
<i>Protoperidinium denticulatum</i>			40		20		
<i>Protoperidinium sp.</i>	220	180	160	60			20
<i>Scrippsiella trochoidea</i>		20					40
<i>Chaetoceros borealis</i>							40
<i>Chaetoceros compressus</i>	40	40			20		40
<i>Chaetoceros constrictus</i>			20				
<i>Chaetoceros debilis</i>	80	20	40	360	80	40	20
<i>Chaetoceros decipiens</i>	20		20				
<i>Chaetoceros furcellatus</i>						20	
<i>Chaetoceros ingolfianus</i>				220			
<i>Chaetoceros laciniosus</i>	20			20			
<i>Chaetoceros socialis</i>	40	40	40				
<i>Chaetoceros sp.</i>	1120	320	760	1400	240	180	2160
<i>Coscinodiscus sp.</i>	20	20	20				
<i>Cylindrotheca closterium</i>					20		40
<i>Dactyliosolen fragilissimus</i>	120	100	40		20	20	40
<i>Gyrosigma fasciola</i>						20	
<i>Leptocylindrus danicus</i>	20						20
<i>Leptocylindrus minimus</i>					20		20
<i>Licmophora abbreviata</i>		20					
<i>Melosira nummuloides</i>						80	
<i>Navicula sp.</i>	20	60	80	140		220	160
<i>Pleurosigma sp.</i>		20					
<i>Porosira glacialis</i>			200	140	60	20	80
<i>Pseudo-nitzschia delicatissima</i> group	620	240	300	340	520	160	260
<i>Rhabdonema sp.</i>							80
<i>Rhizosolenia hebetata</i>		40		60			
<i>Skeletonema costatum</i>			20	20	20	20	20
<i>Stephanopyxis turris</i>	20						
<i>Thalassiosira angulata</i>						20	
<i>Thalassiosira auguste-lineata</i>	200	120	20				
<i>Thalassiosira gravida</i>	120	120	160	80	80	80	200
<i>Thalassiosira nordenskioeldii</i>	6560	5920	6620	17480	1260	660	7140
<i>Thalassiosira sp.</i>			20				
<i>Brachionus sp.</i>		20					
<i>Dictyocha speculum</i>	20	40					
<i>Mesodinium rubrum</i>	1720	3160	6120	500		20	300
Tintinnids	360	320	100	180		40	
Unidentified flagellate	40	60		20			
<b>Date: 05- 26- 93</b>							
<i>Alexandrium fundyense</i>	700	820	520	260			120
<i>Alexandrium fundyense</i> (duplet)	60	60	40	20			
<i>Ceratium longipes</i>		20		20			
<i>Ceratium sp.</i>		40					
<i>Dinophysis acuminata</i>	20	80	60	20			20
<i>Dinophysis norvegica</i>	20	20	20				

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 05- 26- 93 (cont'd)</b>							
<i>Dinophysis sp.</i>		80					
<i>Heterocapsa triquetra</i>		40	40	40			
<i>Protoperidinium sp.</i>	140	620	440	140		20	160
<i>Chaetoceros compressus</i>	180	20	20	40			
<i>Chaetoceros constrictus</i>	40	40	40	20	40	100	
<i>Chaetoceros debilis</i>			40				
<i>Chaetoceros decipiens</i>	40	160	20	20	20	20	
<i>Chaetoceros diadema</i>			20	20	40	40	
<i>Chaetoceros furcellatus</i>	180	40	240	500	340	160	220
<i>Chaetoceros laciniosus</i>	20			20	40		40
<i>Chaetoceros socialis</i>					40		
<i>Chaetoceros sp.</i>	460	300	380	340	220	200	240
<i>Corethron criophilum</i>		20					
<i>Cylindrotheca closterium</i>		20				20	
<i>Dactyliosolen fragilissimus</i>	80	100	80		100	80	
<i>Eucampia zodiacus</i>	80		20	20	20		20
<i>Leptocylindrus minimus</i>	20						40
<i>Licmophora abbreviata</i>			20			60	
<i>Melosira ambigua</i>							20
<i>Navicula sp.</i>	220	40	20			60	140
<i>Pleurosigma sp.</i>	20						
<i>Pseudo-nitzschia delicatissima</i> group	3160	2620	980	1720	960	660	660
<i>Pseudo-nitzschia seriata</i> group				40			
<i>Rhizosolenia hebetata</i>			20				20
<i>Skeletonema costatum</i>						20	
<i>Stephanopyxis turris</i>					40	20	
<i>Thalassionema nitzschiooides</i>					20		
<i>Thalassiosira angulata</i>		20	40				
<i>Thalassiosira auguste-lineata</i>	20				20	40	
<i>Thalassiosira gravida</i>	80		60	20		20	
<i>Thalassiosira nordenskioeldii</i>	10420	8600	6240	6800	5220	3560	820
<i>Brachionus sp.</i>	20						
<i>Mesodinium rubrum</i>	540	1500	3540	400			1180
<i>Parafavella sp.</i>	20	20					
<i>Ptychocylis sp.</i>		20					
Tintinnids	120	100	100	60			200
Unidentified flagellate	140	120	120	80			
<b>Date: 06- 01- 93</b>							
<i>Alexandrium fundyense</i>	280	1100	600	220	20		240
<i>Alexandrium fundyense</i> (duplet)		80	40	40			
<i>Alexandrium fundyense</i> (triplet)	20						
<i>Amylax triacantha</i>		40					20
<i>Ceratium longipes</i>	20	20	80				
<i>Ceratium minutum</i>		20					
<i>Ceratium sp.</i>			60				
<i>Dinophysis acuminata</i>		20	20	60			
<i>Dinophysis norvegica</i>			20				
<i>Heterocapsa triquetra</i>	20	100	20	40			
<i>Protoperidinium depressum</i>		20	20	20			
<i>Protoperidinium sp.</i>	260	340	240	180	40	20	20
<i>Scrippsiella trochoidea</i>	40	140					
Unarmoured dinoflagellate		40	20		20		
<i>Chaetoceros brevis</i>	20						

ORGANISM Date: 06- 01- 93 (cont'd)	3	15	16-0 m	16-10m	16-25m	16-50m	17
<i>Chaetoceros compressus</i>	540	940	880	460	320	80	20
<i>Chaetoceros constrictus</i>	160	120	20	20	80	20	
<i>Chaetoceros convolutus</i>	20						
<i>Chaetoceros debilis</i>	100	60	120	20	120	40	140
<i>Chaetoceros decipiens</i>	20	120	160	260	60		
<i>Chaetoceros diadema</i>		40	60	60	160	40	
<i>Chaetoceros furcellatus</i>	380	60	80	40	100	80	940
<i>Chaetoceros laciniosus</i>	140	60	40	120	120		20
<i>Chaetoceros socialis</i>	120		40		60		
<i>Chaetoceros sp.</i>	1100	1500	1140	1080	1120	40	2760
<i>Cylindrotheca closterium</i>	80	40	60	200	220	60	40
<i>Dactyliosolen fragilissimus</i>	20	100	80	120	100	60	80
<i>Eucampia sp.</i>				20			
<i>Eucampia zodiacus</i>	80	240	140	80	160		
<i>Grammatophora marina</i>			20				
<i>Gyrosigma fasciola</i>	20						
<i>Leptocylindrus danicus</i>		80				40	40
<i>Leptocylindrus minimus</i>		140	40	40			60
<i>Licmophora abbreviata</i>	20						20
<i>Melosira ambigua</i>							60
<i>Melosira moniliformis</i>	60					20	
<i>Melosira nummuloides</i>							
<i>Navicula sp.</i>	60	40	20	120	40	60	100
<i>Pleurosigma angulatum</i>			20				
<i>Pseudo-nitzschia delicatissima</i> group	4080	2980	6200	5620	5080	680	3220
<i>Pseudo-nitzschia seriata</i> group			20				
<i>Rhizosolenia hebetata</i>			60				20
<i>Skeletonema costatum</i>	40					20	
<i>Stephanopyxis turris</i>	60		240	40	80		20
<i>Thalassionema nitzschiooides</i>						20	
<i>Thalassiosira angulata</i>						20	
<i>Thalassiosira auguste-lineata</i>			20	40		20	20
<i>Thalassiosira gravida</i>	20	40		40	180	20	20
<i>Thalassiosira nordenskioeldii</i>	8900	18620	18200	26560	17260	2220	1340
<i>Thalassiosira sp.</i>	100						
<i>Brachionus sp.</i>		40					
<i>Dictyocha speculum</i>			20				
<i>Helicostomella sp.</i>		20					20
<i>Mesodinium rubrum</i>	640	2200	920	320	220	60	480
<i>Parafavella sp.</i>		20					
Tintinnids	80	500	300	80		60	340
Unidentified flagellate	80	660	680	120	20		40
<b>Date: 06- 07- 93</b>							
<i>Alexandrium fundyense</i>	580	240	180	200	200		100
<i>Alexandrium fundyense</i> (duplet)		40	40	40	40		
<i>Amylax triacantha</i>	60	20					
<i>Ceratium longipes</i>			80	20			
<i>Dinophysis acuminata</i>	60		60		20		
<i>Dinophysis acuta</i>	20						
<i>Dinophysis norvegica</i>	60		20	20			
<i>Heterocapsa triquetra</i>			20				
<i>Protoperidinium sp.</i>	320	140	120	120	140	40	100
<i>Scrippsiella trochoidea</i>		80					

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 06- 07- 93 (cont'd)</b>							
Unarmoured dinoflagellate	40						
<i>Chaetoceros compressus</i>	760	700	40	120	80	180	20
<i>Chaetoceros constrictus</i>	60			20	20	20	
<i>Chaetoceros debilis</i>	100	140	20		140	40	
<i>Chaetoceros decipiens</i>	60	120					
<i>Chaetoceros diadema</i>	20				20		
<i>Chaetoceros furcellatus</i>	20	80		20		40	120
<i>Chaetoceros laciniatosus</i>	60	160		20	20	20	20
<i>Chaetoceros socialis</i>					20		
<i>Chaetoceros sp.</i>	420	1080	80	240	140	280	320
<i>Coscinodiscus sp.</i>		20					
<i>Cylindrotheca closterium</i>	20	60		140	180	160	40
<i>Dactyliosolen fragilissimus</i>	20		20		60		80
<i>Eucampia sp.</i>		20		20			
<i>Gyrosigma fasciola</i>							20
<i>Leptocylindrus danicus</i>	40	80	180				40
<i>Leptocylindrus minimus</i>	40		20		20		60
<i>Licmophora abbreviata</i>	20	20					
<i>Melosira nummuloides</i>	20						
<i>Melosira sp.</i>						40	
<i>Navicula sp.</i>	60	120	20	20	20	120	120
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>							20
<i>Pseudo-nitzschia delicatissima</i> group	3680	3600	1100	1840	2540	540	4720
<i>Rhabdonema sp.</i>		20					
<i>Stephanopyxis turris</i>	60	20		40	40		20
<i>Thalassionema nitzschiooides</i>			20				
<i>Thalassiosira angulata</i>	40	40					
<i>Thalassiosira auguste-lineata</i>		100			20		
<i>Thalassiosira gravida</i>	40	20	20				60
<i>Thalassiosira nordenskioeldii</i>	18120	16740	2340	6240	6360	2400	280
<i>Brachionus sp.</i>	20						
<i>Dictyocha speculum</i>	140	60	40	40	20		
<i>Favella sp.</i>	20						
<i>Helicostomella sp.</i>							20
<i>Mesodinium rubrum</i>	8380	240	4700	260	120		1140
<i>Parafavella sp.</i>	20						
Tintinnids	3960	80	860	140	80		220
Unidentified flagellate	780	100	100	160	220		20
<b>Date: 06- 15- 93</b>							
<i>Alexandrium fundyense</i>	3340	2120	1520			20	3060
<i>Alexandrium fundyense</i> (duplet)	300	160	40				120
<i>Alexandrium fundyense</i> (fusing)			40				100
<i>Alexandrium fundyense</i> (quadruplet)	20						
<i>Alexandrium fundyense</i> (triplet)	20		20				
<i>Amylax triacantha</i>	100						20
<i>Ceratium longipes</i>	40						
<i>Ceratium sp.</i>			20				
<i>Dinophysis acuminata</i>	20	20	60				20
<i>Dinophysis acuta</i>	80		20				
<i>Dinophysis norvegica</i>			20				
<i>Dinophysis sp.</i>		20	60				20
<i>Gyrodinium sp.</i>		20	20				
<i>Heterocapsa triquetra</i>	300	20	200				80

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 06- 15- 93 (cont'd)</b>							
<i>Protoperidinium depressum</i>	40	20					
<i>Protoperidinium sp.</i>	540	200	320	20	20		360
<i>Scrippsiella trochoidea</i>	160	60					140
Unarmoured dinoflagellate		40					
<i>Chaetoceros compressus</i>	8640	4280	4540	3040	1120	300	440
<i>Chaetoceros constrictus</i>	60	220	60	40	40		20
<i>Chaetoceros convolutus</i>						20	
<i>Chaetoceros debilis</i>	60		180	300	80	60	260
<i>Chaetoceros decipiens</i>		40		60	20		60
<i>Chaetoceros furcellatus</i>						40	
<i>Chaetoceros laciniosus</i>	40	40	40	20			
<i>Chaetoceros lorenzianus</i>			20				
<i>Chaetoceros sp.</i>	640	300	260	360	360	240	1200
<i>Coscinodiscus sp.</i>	20				20	20	
<i>Cylindrotheca closterium</i>	240	220	280	900	180	60	20
<i>Dactyliosolen fragilissimus</i>	40		40	40	20		140
<i>Eucampia zodiacus</i>			40	20			
<i>Fragilaria sp.</i>	20						
<i>Leptocylindrus danicus</i>	40		120	200			20
<i>Leptocylindrus minimus</i>	80	80	40	280	20	40	500
<i>Licmophora abbreviata</i>	20		20				20
<i>Melosira moniformis</i>	40						
<i>Navicula sp.</i>	20		40	40	40	40	20
<i>Pseudo-nitzschia delicatissima</i> group	6840	12200	8020	10000	2800	420	71800
<i>Pseudo-nitzschia seriata</i> group			220	560			
<i>Rhizosolenia hebetata</i>		80					120
<i>Skeletonema costatum</i>	60	120	120	60			40
<i>Stephanopyxis turris</i>	40		100	140		100	20
<i>Thalassionema nitzschiooides</i>		20		80			
<i>Thalassiosira angulata</i>	40	20	60	40			
<i>Thalassiosira auguste-lineata</i>	20					20	40
<i>Thalassiosira gravida</i>	60	20		100	20		
<i>Thalassiosira nordenskioeldii</i>	20680	12200	9120	12540	2140	440	20
<i>Brachionus sp.</i>			20				20
<i>Dictyocha speculum</i>	160	200	180	40			
<i>Helicostomella sp.</i>							40
<i>Mesodinium rubrum</i>	1600	120	360	180	200		2280
<i>Ptychocylis sp.</i>	20						
Tintinnids	1040	20	180	20	40	20	580
Unidentified flagellate	2200	120	500				240
<b>Date: 06- 24- 93</b>							
<i>Alexandrium fundyense</i>	340	160	660	1480			440
<i>Amylax triacantha</i>			20				40
<i>Ceratium longipes</i>		20		80			
<i>Dinophysis acuminata</i>			40	160			
<i>Dinophysis acuta</i>		20	20				
<i>Dinophysis norvegica</i>			20				20
<i>Dinophysis sp.</i>	20		20				20
<i>Heterocapsa triquetra</i>		20	100	80			
<i>Peridinium limbatum</i>		40					
<i>Protoperidinium sp.</i>	80	40	100	440		60	260
<i>Scrippsiella trochoidea</i>		20	60	120	20		60
Unarmoured dinoflagellate			80				

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 06- 24- 93 (cont'd)</b>							
<i>Chaetoceros compressus</i>	5920	6800	13600	14840	1360	2660	
<i>Chaetoceros constrictus</i>	500	600	480	520	20	160	20
<i>Chaetoceros convolutus</i>		20	40				
<i>Chaetoceros debilis</i>	180	420	280	920	20		20
<i>Chaetoceros decipiens</i>		40	20	80			20
<i>Chaetoceros diadema</i>	20						
<i>Chaetoceros furcellatus</i>			20			20	
<i>Chaetoceros ingolfianus</i>	460	240	600	1160	200	220	
<i>Chaetoceros laciniosus</i>		20					
<i>Chaetoceros sp.</i>	660	180	1680	5800	500	920	20
<i>Chaetoceros teres</i>			20				
<i>Coscinodiscus sp.</i>						40	
<i>Cylindrotheca closterium</i>	220	180	140	400	200	520	80
<i>Eucampia sp.</i>			20	40			
<i>Leptocylindrus danicus</i>	280	120	80	600		120	220
<i>Leptocylindrus minimus</i>	600	340	520	1120	80	100	1720
<i>Melosira ambigua</i>		220					
<i>Melosira monolithiformis</i>		20					
<i>Melosira nummuloides</i>						20	
<i>Navicula sp.</i>	140	80	40	40		20	80
<i>Pleurosigma angulatum</i>	20						40
<i>Porosira glacialis</i>			20				20
<i>Pseudo-nitzschia delicatissima</i> group	17480	20160	20440	22320	2760	9460	3160
<i>Pseudo-nitzschia seriata</i> group	60	80		240		20	
<i>Rhizosolenia hebetata</i>			40				
<i>Rhizosolenia setigera</i>			20				
<i>Skeletonema costatum</i>	60	20	120	80		120	
<i>Stephanopyxis turris</i>	260	600	260	320	20	40	
<i>Thalassiosira angulata</i>		60	80	80	20		
<i>Thalassiosira gravida</i>		40		40	40		
<i>Thalassiosira nordenskioeldii</i>	160	160	260	360	40	100	
<i>Dictyocha speculum</i>					20		20
<i>Helicostomella sp.</i>							40
<i>Mesodinium rubrum</i>	620	80	380	80		40	1940
Tintinnids	180	20	80	200	100	60	560
Unidentified flagellate	20		20	40			
<b>Date: 06- 29- 93</b>							
<i>Alexandrium fundyense</i>	820	1960	1740	40	20	20	1260
<i>Alexandrium fundyense</i> (duplet)	60	240	40				20
<i>Amylax triacantha</i>							20
<i>Ceratium longipes</i>			20				20
<i>Dinophysis acuminata</i>		280	40	80		20	
<i>Dinophysis norvegica</i>		80	80	40		20	40
<i>Dinophysis sp.</i>	40	80	40				
<i>Heterocapsa triquetra</i>	20	40	60				20
<i>Protoperidinium sp.</i>	160	440	380	160	80		140
<i>Scrippsiella trochoidea</i>	160	80	340				40
Unarmoured dinoflagellate					20		20
<i>Chaetoceros compressus</i>	5740	12560	21220	16280	3700	740	
<i>Chaetoceros constrictus</i>	680	1200	1680	320	280	180	
<i>Chaetoceros convolutus</i>	20		40		20		
<i>Chaetoceros debilis</i>	120	120	360	720	180		
<i>Chaetoceros decipiens</i>	40	40	60	160	20		

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 06- 29- 93 (cont'd)</b>							
<i>Chaetoceros diadema</i>					20		
<i>Chaetoceros furcellatus</i>						20	
<i>Chaetoceros ingolfianus</i>				360	120		
<i>Chaetoceros sp.</i>	1060	880	1060	6840	1200	460	
<i>Chaetoceros teres</i>			20				
<i>Coscinodiscus sp.</i>						20	
<i>Cylindrotheca closterium</i>	520	720	280	2120	1660	460	320
<i>Guinardia delicatula</i>					20		
<i>Leptocylindrus danicus</i>	480	200	120	280	580	20	
<i>Leptocylindrus minimus</i>	1780	1840	620	400	400	120	300
<i>Licmophora abbreviata</i>		40					
<i>Melosira nummuloides</i>					40		
<i>Navicula sp.</i>	20		20				20
<i>Porosira glacialis</i>					20		
<i>Pseudo-nitzschia delicatissima</i> group	7420	16520	32640	5920	8920	1700	620
<i>Pseudo-nitzschia seriata</i> group		200	120		40		
<i>Rhabdonema sp.</i>						20	
<i>Rhizosolenia hebetata</i>						20	60
<i>Rhizosolenia sp.</i>			20				
<i>Skeletonema costatum</i>	20	120	40	400	200	100	
<i>Stephanopyxis turris</i>	140	160	220	1320	240	80	
<i>Thalassionema nitzschiooides</i>					20	20	
<i>Thalassiosira angulata</i>					40		
<i>Thalassiosira auguste-lineata</i>			20		40		
<i>Thalassiosira gravida</i>				40	40	20	
<i>Thalassiosira nordenskioeldii</i>	60	120	60	280		20	
<i>Thalassiosira sp.</i>				40		20	
<i>Brachionus sp.</i>			60				
<i>Dictyocha speculum</i>	40	40	20				
<i>Favella sp.</i>			20				
<i>Helicostomella sp.</i>		40	20				20
<i>Mesodinium rubrum</i>	680	160	700	200			5640
<i>Parafavella sp.</i>			40	40			
Tintinnids	100	40	380	160	260	40	1020
Unidentified flagellate	40	120	20				
<b>Date: 07- 06- 93</b>							
<i>Alexandrium fundyense</i>	2960	15760	4340				13880
<i>Alexandrium fundyense</i> (duplet)	220	920	180				900
<i>Alexandrium fundyense</i> (fusing)							40
<i>Alexandrium fundyense</i> (planozygote)							80
<i>Alexandrium fundyense</i> (quadruplet)		40					80
<i>Alexandrium fundyense</i> (triplet)			20				120
<i>Amylax triacantha</i>			20				40
<i>Ceratium fusus</i>			20				
<i>Ceratium longipes</i>	60	40	180		20		
<i>Ceratium minutum</i>		40					
<i>Ceratium sp.</i>		40					20
<i>Dinophysis acuminata</i>	120		80		20		
<i>Dinophysis acuta</i>			40				
<i>Dinophysis norvegica</i>		200	80	80			60
<i>Dinophysis sp.</i>		80	60				
<i>Gonyaulax spinifera</i>	20						20
<i>Heterocapsa triquetra</i>	40	800	140				220

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 07- 06- 93 (cont'd)</b>							
<i>Protoperidinium depressum</i>		40					
<i>Protoperidinium sp.</i>	260	560	380	40	60	20	100
<i>Scrippsiella trochoidea</i>	160	1000	260				500
Unarmoured dinoflagellate	40	80	120				
<i>Chaetoceros compressus</i>	16320	11440	7320	15240	3980	780	20
<i>Chaetoceros constrictus</i>	1740	2240	760	880	780	560	
<i>Chaetoceros convolutus</i>	20						
<i>Chaetoceros debilis</i>	380	240	360	520	220	20	
<i>Chaetoceros decipiens</i>	20	120	120	120	60		
<i>Chaetoceros ingolfianus</i>	80	40	80	120	40		
<i>Chaetoceros laciniosus</i>	40						
<i>Chaetoceros sp.</i>	2320	1480	1080	2960	1880	1020	20
<i>Chaetoceros teres</i>				40	40		
<i>Corethron criophilum</i>				80	20		
<i>Cylindrotheca closterium</i>	220	240	60	1440	820	900	220
<i>Dactyliosolen fragilissimus</i>				40	20		
<i>Ditylum brightwellii</i>			20		20		
<i>Eucampia zodiacus</i>	20	40		40			
<i>Gyrosigma fasciola</i>					20	20	
<i>Leptocylindrus danicus</i>	540	640	680	1760	140	40	
<i>Leptocylindrus minimus</i>	560	1000	860	1360	160	180	100
<i>Licmophora abbreviata</i>	40		40				
<i>Melosira nummuloides</i>					20		
<i>Navicula sp.</i>	140	40	20	120	40	80	20
<i>Pseudo-nitzschia delicatissima</i> group	42440	26120	76700	19000	4560	1500	320
<i>Pseudo-nitzschia seriata</i> group	40	120	120	360	120		
<i>Rhizosolenia hebetata</i>	20		40		20	20	20
<i>Skeletonema costatum</i>	4040	4840	5000	4200	1080	380	
<i>Stephanopyxis turris</i>	260	120	220	680	340	80	
<i>Thalassionema nitzschiooides</i>			40				
<i>Thalassiosira angulata</i>	180	440	520	120	20	20	
<i>Thalassiosira auguste-lineata</i>	100	120	60	240		20	
<i>Thalassiosira gravida</i>	60	120	100	360	160	80	
<i>Thalassiosira nordenskioldii</i>	140		120	200		20	
<i>Dictyocha speculum</i>	120	80	80	240	80		80
<i>Favella sp.</i>							100
<i>Helicostomella sp.</i>		120	80				360
<i>Mesodinium rubrum</i>	1720	1760	1340	40	20		620
<i>Notholca sp.</i>		40					
<i>Parafavella sp.</i>	20						20
Tintinnids	240	400	340	160	80	120	1140
Unidentified flagellate		600	60	80			120
<b>Date: 07- 13- 93</b>							
<i>Alexandrium fundyense</i>	63640	52220	40800	420	20	20	22840
<i>Alexandrium fundyense</i> (duplet)	800	580	720				500
<i>Alexandrium fundyense</i> (fusing)		80	40	20			80
<i>Alexandrium fundyense</i> (planozygote)	880	2480	1400	20	20	20	720
<i>Alexandrium fundyense</i> (triplet)		40	160				60
<i>Amylax triacantha</i>							20
<i>Ceratium fusus</i>	80						
<i>Ceratium longipes</i>	200	320	720				
<i>Ceratium tripos</i>		20					
<i>Dinophysis acuminata</i>	160	60	240	300			20

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 07- 13- 93 (cont'd)</b>							
<i>Dinophysis acuta</i>		20	40				
<i>Dinophysis norvegica</i>	80	180	680	60			40
<i>Dinophysis sp.</i>		20	160	20			
<i>Gonyaulax spinifera</i>	120	260					60
<i>Gymnodinium sp.</i>		20	120				
<i>Heterocapsa triquetra</i>	880	600	1320	40	20		40
<i>Phalacroma rotundatum</i>			40				20
<i>Protoperidinium sp.</i>	440	420	360	240			100
<i>Scrippsiella trochoidea</i>	1480	2320	3440	40			180
Unarmoured dinoflagellate	80		440	120	20		40
<i>Asterionellopsis kariana</i>				60	20		
<i>Chaetoceros compressus</i>	6320	2980	1320	13120	4020	1000	40
<i>Chaetoceros constrictus</i>	640	380	440	140	900	300	40
<i>Chaetoceros convolutus</i>						20	
<i>Chaetoceros debilis</i>	400	40	120	480	100	80	
<i>Chaetoceros decipiens</i>				40	180	80	
<i>Chaetoceros ingolfianus</i>	200			40	140	80	
<i>Chaetoceros laciniosus</i>	40				100		20
<i>Chaetoceros sp.</i>	1160	880	440	4200	1480	820	60
<i>Chaetoceros teres</i>	40				100		20
<i>Corethron criophilum</i>			20		20		
<i>Coscinodiscus sp.</i>						20	
<i>Cylindrotheca closterium</i>	40			40	1000	2660	320
<i>Ditylum brightwellii</i>						20	1800
<i>Eucampia zodiacus</i>					40	20	
<i>Leptocylindrus danicus</i>	160	120	120	560	240	40	20
<i>Leptocylindrus minimus</i>	880	420	640	620	220	140	660
<i>Melosira nummuloides</i>					20	20	
<i>Navicula sp.</i>					20	100	60
<i>Porosira glacialis</i>	40			40			
<i>Pseudo-nitzschia delicatissima</i> group	27740	58760	35900	89760	5260	2140	3220
<i>Pseudo-nitzschia seriata</i> group	480	120	240	340	20		100
<i>Rhizosolenia hebetata</i>							100
<i>Rhizosolenia setigera</i>						20	
<i>Skeletonema costatum</i>	2320	3220	4600	7840	1480	1360	480
<i>Stephanopyxis turris</i>						20	20
<i>Thalassionema nitzschioides</i>			20	40	140	60	80
<i>Thalassiosira angulata</i>					340	180	
<i>Thalassiosira auguste-lineata</i>					100	40	60
<i>Thalassiosira gravida</i>	80				140	40	
<i>Thalassiosira nordenskioeldii</i>				40	40	20	
<i>Thalassiosira sp.</i>				80		40	60
<i>Acartia sp.</i>			20				
<i>Brachionus sp.</i>	40	20					100
<i>Dictyocha speculum</i>					100		
<i>Favella sp.</i>							300
<i>Helicostomella sp.</i>	120	100	40				1000
<i>Mesodinium rubrum</i>	7800	2720	2480	180	140	100	3280
<i>Notholca sp.</i>			20				
Tintinnids	200	360	760	400	120	40	1600
Unidentified flagellate	200						

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 07- 20- 93</b>							
<i>Alexandrium fundyense</i>	640	2360	1680	160	120	60	100
<i>Alexandrium fundyense</i> (fusing)		40					20
<i>Alexandrium fundyense</i> (planozygote)	120	200	520	80	60	20	
<i>Amylax triacantha</i>							20
<i>Ceratium longipes</i>	80	80	240	120			20
<i>Ceratium minutum</i>			40				
<i>Ceratium tripos</i>							20
<i>Dinophysis acuminata</i>	120	200	80	80			
<i>Dinophysis acuta</i>	40			40			
<i>Dinophysis norvegica</i>	40		160				
<i>Dinophysis</i> sp.	40			40			
<i>Gonyaulax spinifera</i>	240	480	120				20
<i>Heterocapsa triquetra</i>	360	1200	1040	40			
<i>Protoperidinium</i> sp.	600	1040	920	280		40	160
<i>Scrippsiella trochoidea</i>	400	2360	1440	40			20
Unarmoured dinoflagellate	40	200	40				20
<i>Cerataulina pelagica</i>				40	60		
<i>Chaetoceros compressus</i>	22840	37540	18080	15920	3220	380	380
<i>Chaetoceros constrictus</i>	520	1760	1360	240	40	120	160
<i>Chaetoceros convolutus</i>		40		40			
<i>Chaetoceros debilis</i>	640	1200	440	280	20	20	
<i>Chaetoceros decipiens</i>	440	200	120	160	40	20	
<i>Chaetoceros ingolfianus</i>	160	320	160	80			20
<i>Chaetoceros laciniosus</i>	840	560	40				20
<i>Chaetoceros</i> sp.	3440	3000	840	4960	2880	700	520
<i>Chaetoceros teres</i>	40	40		40			
<i>Corethron criophilum</i>	80			80		40	
<i>Coscinodiscus</i> sp.							40
<i>Cylindrotheca closterium</i>	80			360	500	300	740
<i>Dactyliosolen fragilissimus</i>		40					
<i>Eucampia</i> sp.							20
<i>Eucampia zodiacus</i>				40			
<i>Gyrosigma balticum</i>							40
<i>Gyrosigma fasciola</i>							40
<i>Leptocylindrus danicus</i>	680	520	400	1440	520	160	40
<i>Leptocylindrus minimus</i>	3040	2240	2160	1080	800	300	4840
<i>Licmophora abbreviata</i>			80				20
<i>Melosira ambigua</i>		40					
<i>Melosira nummuloides</i>						40	
<i>Navicula</i> sp.			40		20	20	
<i>Pleurosigma angulatum</i>							20
<i>Porosira glacialis</i>	80						40
<i>Pseudo-nitzschia delicatissima</i> group	120760	205640	163200	179520	21400	3520	68540
<i>Pseudo-nitzschia seriata</i> group	280	280	280	640	40	80	140
<i>Rhizosolenia hebetata</i>		40					
<i>Rhizosolenia setigera</i>					20		
<i>Skeletonema costatum</i>	2400	1760	2320	4040	1120	520	19680
<i>Thalassionema nitzschiooides</i>		160	80	360	80	40	20
<i>Thalassiosira angulata</i>							60
<i>Thalassiosira auguste-lineata</i>	200			40	20	20	
<i>Thalassiosira gravida</i>	200	240		200	60		
<i>Thalassiosira nordenskioeldii</i>	120		40		20		60
<i>Brachionus</i> sp.	80						

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 07- 20- 93 (cont'd)</b>							
<i>Dictyocha speculum</i>	40						120
<i>Favella sp.</i>	320						
<i>Helicostomella sp.</i>	1120	160	160				160
<i>Mesodinium rubrum</i>	1720	1440	1240	400	60	20	1580
Tintinnids	1000	40	80	320	20	40	760
Unidentified flagellate		40	40				
<b>Date: 07- 26- 93</b>							
<i>Alexandrium fundyense</i>	40		80				120
<i>Ceratium fusus</i>			40				
<i>Ceratium longipes</i>	100	40	360	200	40	20	200
<i>Ceratium minutum</i>							80
<i>Dinophysis acuminata</i>	40	120	120				
<i>Dinophysis acuta</i>					20		
<i>Dinophysis norvegica</i>	20	80		40			
<i>Gonyaulax digitale</i>							40
<i>Heterocapsa triquetra</i>	80	80	320	40			40
<i>Prorocentrum sp.</i>			40				
<i>Protoperidinium sp.</i>	240	520	120	120	40		200
<i>Scrippsiella trochoidea</i>	140	240	360	40			
Unarmoured dinoflagellate		120	240				40
<i>Asterionellopsis kariana</i>					20		
<i>Chaetoceros compressus</i>	160	800	1400	1760	360	160	240
<i>Chaetoceros constrictus</i>	40	1000	1000	360	100	80	
<i>Chaetoceros convolutus</i>	20	40	200	80			40
<i>Chaetoceros debilis</i>	240	1320	2720	1200	420	100	40
<i>Chaetoceros decipiens</i>	100	400	280	400	280	40	80
<i>Chaetoceros diadema</i>		40		40			
<i>Chaetoceros ingolfianus</i>	80	120		120			40
<i>Chaetoceros laciniosus</i>	480	1840	2960	2000	300	40	
<i>Chaetoceros lorenzianus</i>				80			
<i>Chaetoceros socialis</i>				40			
<i>Chaetoceros sp.</i>	1500	4080	12560	9360	4040	400	1920
<i>Chaetoceros teres</i>					20		
<i>Corethron criophilum</i>		40	40	80	20		
<i>Coscinodiscus sp.</i>				40			20
<i>Cylindrotheca closterium</i>	160	120	40	120	720		220
<i>Dactyliosolen fragilissimus</i>			80		40		
<i>Ditylum brightwellii</i>		40	160	80	40		20
<i>Eucampia sp.</i>			40				
<i>Eucampia zodiacus</i>					20		
<i>Leptocylindrus danicus</i>	400	2320	2040	1840	1340	360	80
<i>Leptocylindrus minimus</i>	2880	1920	3120	2120	1240	520	10440
<i>Licmophora abbreviata</i>			360				
<i>Melosira nummuloides</i>					20	40	40
<i>Navicula sp.</i>	20				20	40	
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>					20		
<i>Porosira glacialis</i>			40	40		40	80
<i>Pseudo-nitzschia delicatissima</i> group	83240	213800	174620	230120	109340	66920	117500
<i>Pseudo-nitzschia seriata</i> group	380	360	400	80	20	40	80
<i>Skeletonema costatum</i>	420	480	1800	3080	2680	840	15040
<i>Stephanopyxis turris</i>	20	40	120	40			
<i>Thalassionema nitzschiooides</i>		40	120	240	260	80	
<i>Thalassiosira angulata</i>					20		40

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 07- 26- 93 (cont'd)</b>							
<i>Thalassiosira auguste-lineata</i>		80	320	80	20		
<i>Thalassiosira gravida</i>	60	600	400	560	140	40	
<i>Thalassiosira nordenskioeldii</i>		40	160	80			
<i>Thalassiosira sp.</i>					80		
<i>Dictyocha speculum</i>	40	40					
<i>Favella sp.</i>		120	40	40			80
<i>Helicostomella sp.</i>	760	520	640		20		880
<i>Mesodinium rubrum</i>	3360	1720	3120	600		20	6440
<i>Parafavella sp.</i>				40			
<i>Ptychocylis sp.</i>		40			20		
<i>Salpingella sp.</i>					20		
Tintinnids	400	880	160	320	20	20	640
Unidentified flagellate	100						
<b>Date: 08- 03- 93</b>							
<i>Alexandrium fundyense</i>	160	200	60	60			
<i>Ceratium fusus</i>	20	40	40		20		
<i>Ceratium longipes</i>	60	400	200	180	80		20
<i>Ceratium minutum</i>	100	80	40	160			
<i>Ceratium tripos</i>		40		40			
<i>Dinophysis acuminata</i>	220	1120	340	420	20		20
<i>Dinophysis acuta</i>	20	280	20				
<i>Dinophysis norvegica</i>	160	520	260	320	60		20
<i>Dinophysis sp.</i>	220	80				40	
<i>Gonyaulax spinifera</i>	120	80	80			20	
<i>Gymnodinium sp.</i>	20	40	60	40			
<i>Heterocapsa triquetra</i>	480	2640	420	320			60
<i>Phalacroma rotundatum</i>					20		
<i>Protoperidinium sp.</i>	680	1720	520	380	80	20	80
<i>Scrippsiella trochoidea</i>	640	1400	1200	200	20		80
Unarmoured dinoflagellate	540	1440	200	220			60
<i>Chaetoceros compressus</i>	60	40	20			40	
<i>Chaetoceros constrictus</i>		40	40		40	40	
<i>Chaetoceros convolutus</i>	20		20	20			
<i>Chaetoceros debilis</i>	260	160	140	240	200	80	
<i>Chaetoceros decipiens</i>	40		80	80	120	20	
<i>Chaetoceros didymus</i>				20	40		
<i>Chaetoceros ingolfianus</i>	60	40					20
<i>Chaetoceros laciniosus</i>	520	560	300	280	280	40	
<i>Chaetoceros sp.</i>	580	520	500	560	540	60	40
<i>Corethron criophilum</i>	40	40		20			40
<i>Coscinodiscus sp.</i>						20	
<i>Cylindrotheca closterium</i>	200	480	280	620	1040	500	380
<i>Dactyliosolen fragilissimus</i>				20			
<i>Ditylum brightwellii</i>				60	40	60	
<i>Eucampia zodiacus</i>				20		20	
<i>Guinardia delicatula</i>	40	40	100	180	220		
<i>Leptocylindrus danicus</i>	120	120	60	960	1300	340	
<i>Leptocylindrus minimus</i>	2180	1400	3240	4440	3960	760	1720
<i>Licmophora abbreviata</i>	20						
<i>Navicula sp.</i>		40		20			
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>				20			20
<i>Porosira glacialis</i>		40		20			
<i>Proboscia alata</i>	20						

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 08- 03- 93 (cont'd)</b>							
<i>Pseudo-nitzschia delicatissima</i> group	2180	360	760	900	1320	3920	220
<i>Pseudo-nitzschia seriata</i> group	140		320	80	440		
<i>Rhizosolenia hebetata</i>		40					
<i>Skeletonema costatum</i>	220	80	40	160	660	760	140
<i>Stephanopyxis turris</i>				20			
<i>Thalassionema nitzschioides</i>	80			100	300	100	20
<i>Thalassiosira angulata</i>				100			
<i>Thalassiosira auguste-lineata</i>	40			100	20	20	
<i>Thalassiosira gravida</i>		120		160	180	20	
<i>Thalassiosira nordenskioeldii</i>					20		
<i>Thalassiosira sp.</i>	60	120	300	40	20		
<i>Acartia</i> sp.		160					20
<i>Brachionus</i> sp.			60				
<i>Dictyocha speculum</i>	20		80	60	20		40
<i>Favella</i> sp.	180	320	40	20			
<i>Helicostomella</i> sp.	720	5720	460	200	20		200
<i>Mesodinium rubrum</i>	3100	1360	5020	800	120		1040
<i>Parafavella</i> sp.		40	20	40			
<i>Salpingella</i> sp.				20			
Tintinnids	380	1120	400	600	40	60	460
Unidentified flagellate	20	160	20	20	20		40
<b>Date: 08- 10- 93</b>							
<i>Alexandrium fundyense</i>	20		80	60			
<i>Alexandrium fundyense</i> (planozygote)	20						
<i>Amylax triacantha</i>			60	20			
<i>Ceratium fusus</i>					20		
<i>Ceratium longipes</i>	80	240	500	260	60	20	80
<i>Ceratium minutum</i>	60	300	60	320	20		80
<i>Ceratium</i> sp.		20					
<i>Ceratium tripos</i>				60			
<i>Dinophysis acuminata</i>	180	640	700	1120	20	40	20
<i>Dinophysis acuta</i>		20	60				
<i>Dinophysis norvegica</i>	120	360	260	540	20		20
<i>Dinophysis pulchella</i>			20	40			
<i>Dinophysis</i> sp.			60	40			20
<i>Gonyaulax digitale</i>		20					60
<i>Gonyaulax spinifera</i>	100	80	180	20			40
<i>Gymnodinium</i> sp.	60		40	20			
<i>Heterocapsa triquetra</i>	360	40	2780	820			180
<i>Protoperidinium depressum</i>			20				
<i>Protoperidinium</i> sp.	640	420	1540	820			280
<i>Scrippsiella trochoidea</i>	920	200	1360	460			400
Unarmoured dinoflagellate	280	420	280	840	40		120
<i>Cerataulina pelagica</i>				20			160
<i>Chaetoceros compressus</i>			20			20	
<i>Chaetoceros constrictus</i>		20			20	20	
<i>Chaetoceros convolutus</i>					20		
<i>Chaetoceros debilis</i>	20	20	40	40		20	
<i>Chaetoceros decipiens</i>					60		
<i>Chaetoceros laciniosus</i>			60		40	20	
<i>Chaetoceros lorenzianus</i>					20	20	
<i>Chaetoceros</i> sp.			120				60
<i>Corethron criophilum</i>				20			

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 08- 10- 93 (cont'd)</b>							
<i>Coscinodiscus sp.</i>		20					
<i>Cylindrotheca closterium</i>		180	80	540	980	160	660
<i>Dactyliosolen fragilissimus</i>				20			
<i>Ditylum brightwellii</i>			20	40	20		
<i>Guinardia delicatula</i>	80	280	1400	420	100	120	40
<i>Leptocylindrus danicus</i>			40		20		
<i>Leptocylindrus minimus</i>	40		1660	180	140	140	820
<i>Melosira ambigua</i>	20						20
<i>Melosira nummuloides</i>							
<i>Navicula sp.</i>	40				20		
<i>Pleurosigma angulatum</i>						20	
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	20		20				
<i>Porosira glacialis</i>	20						
<i>Pseudo-nitzschia delicatissima</i> group	20		40		200	340	80
<i>Pseudo-nitzschia seriata</i> group			60	20	20		
<i>Rhizosolenia imbricata</i>							20
<i>Skeletonema costatum</i>		20	60	40	140	140	100
<i>Stephanopyxis turris</i>	20						
<i>Thalassionema nitzschioides</i>		40		20	40		
<i>Thalassiosira auguste-lineata</i>	20	120		60			
<i>Thalassiosira sp.</i>		80	120		40		
<i>Acartia sp.</i>				20			
<i>Brachionus sp.</i>		20					
<i>Dictyocha speculum</i>		60	240	240	20		60
<i>Favella sp.</i>	100		40	20			
<i>Helicostomella sp.</i>	660	1120	80	80			440
<i>Mesodinium rubrum</i>	17960	1720	2060	600			55480
<i>Parafavella sp.</i>			40				
<i>Ptychocylis sp.</i>			20				
Tintinnids	660	700	140	1320	20		220
Unidentified flagellate	320		20	100			
<b>Date: 08- 16- 93</b>							
<i>Alexandrium fundyense</i>	100	160	120				
<i>Ceratium fusus</i>		40	80	20	20		
<i>Ceratium longipes</i>	180	520	360	100	40		20
<i>Ceratium minutum</i>	360	1160	480	100	60		40
<i>Ceratium tripos</i>		40					
<i>Dinophysis acuminata</i>	420	640	320	620	40		40
<i>Dinophysis norvegica</i>	160	600		1140	60		80
<i>Dinophysis sp.</i>	20						
<i>Gonyaulax digitalis</i>	40	360	800	20			
<i>Gonyaulax spinifera</i>	720	4080	1560				
<i>Gyrodinium aureolum</i>		40					
<i>Gyrodinium sp.</i>	500	9120	560	180	160		120
<i>Heterocapsa triquetra</i>	6700	58760	15320	120			320
<i>Phalacroma rotundatum</i>		40		20			
<i>Protoperidinium sp.</i>	740	760	760	220	80		40
<i>Scrippsiella trochoidea</i>	9060	112600	23560	120	60		120
Unarmoured dinoflagellate	2160	4880	1320	100	100		280
<i>Cerataulina pelagica</i>			160		20		10700
<i>Chaetoceros compressus</i>				20			
<i>Chaetoceros constrictus</i>						40	
<i>Chaetoceros debilis</i>	20					120	

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 08- 16- 93 (cont'd)</b>							
<i>Chaetoceros decipiens</i>							280
<i>Chaetoceros didymus</i>				20			
<i>Chaetoceros ingolfianus</i>				20			
<i>Chaetoceros lacinirosus</i>		80	40				20
<i>Chaetoceros lorenzianus</i>		40					
<i>Chaetoceros sp.</i>	20	80		60			900
<i>Chaetoceros teres</i>							20
<i>Coscinodiscus sp.</i>	20					20	
<i>Cylindrotheca closterium</i>	360	240	80	540	460	300	1020
<i>Dactyliosolen fragilissimus</i>					20		
<i>Ditylum brightwellii</i>	40	40		80	20	40	40
<i>Guinardia delicatula</i>	1560	1200	3160	1680	540	300	880
<i>Gyrosigma fasciola</i>							20
<i>Leptocylindrus minimus</i>					60	100	1720
<i>Licmophora abbreviata</i>	20						
<i>Navicula sp.</i>					20		20
<i>Pleurosigma angulatum</i>	20				20		
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	40	120	40	40			
<i>Porosira glacialis</i>		40					
<i>Proboscia alata</i>		40			20		20
<i>Pseudo-nitzschia delicatissima</i> group	40	40	40	20	80	220	680
<i>Rhizosolenia hebetata</i>			40				
<i>Rhizosolenia imbricata</i>							20
<i>Skeletonema costatum</i>	20		40		1000	380	320
<i>Thalassionema nitzschiooides</i>	40				20		
<i>Thalassiosira auguste-lineata</i>	40	40		40			
<i>Thalassiosira sp.</i>	40		240	60	40		380
<i>Thalassiothrix longissima</i>				20			
<i>Acartia sp.</i>	20						20
<i>Brachionus sp.</i>			40				
<i>Dictyocha speculum</i>	60	80	80	100	20		80
<i>Favella sp.</i>		240	40				
<i>Helicostomella sp.</i>	900	1360		20			200
<i>Mesodinium rubrum</i>	3820	6680	1040	320	80	20	11820
Tintinnids	960	3080	240	700	40		580
Unidentified flagellate	40	40	40	40	20		60
<b>Date: 08- 23- 93</b>							
<i>Alexandrium fundyense</i>		40	40				
<i>Amylax triacantha</i>			20				
<i>Ceratium fusus</i>	20			40			
<i>Ceratium longipes</i>	80		40	20	20		20
<i>Ceratium minutum</i>	320	20	600	60			580
<i>Dinophysis acuminata</i>	140	120	180	240		40	40
<i>Dinophysis acuta</i>			20				
<i>Dinophysis norvegica</i>	140	180	840	160			140
<i>Dinophysis sp.</i>	20	20					20
<i>Gonyaulax digitale</i>	40	20	180				
<i>Gonyaulax spinifera</i>	220		3980				
<i>Gyrodinium sp.</i>	180	40	820				60
<i>Heterocapsa triquetra</i>	960	340	34280				120
<i>Phalacroma rotundatum</i>						20	
<i>Protoperidinium sp.</i>	640	320	100	40	40		40
<i>Scrippsiella trochoidea</i>	620	1160	70180	20			40

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 08- 23- 93 (cont'd)</b>							
Unarmoured dinoflagellate	280	80	200				60
<i>Cerataulina pelagica</i>							20
<i>Chaetoceros constrictus</i>				20			20
<i>Chaetoceros debilis</i>		40					
<i>Chaetoceros decipiens</i>							20
<i>Chaetoceros laciniosus</i>	20						
<i>Chaetoceros lorenzianus</i>							100
<i>Chaetoceros socialis</i>		40					
<i>Chaetoceros sp.</i>	20	180	120	20			40
<i>Coscinodiscus sp.</i>	20					60	
<i>Cylindrotheca closterium</i>	60	40	60	300	280	180	120
<i>Dactyliosolen fragilissimus</i>					20		
<i>Ditylum brightwellii</i>				20	20	20	20
<i>Guinardia delicatula</i>	1020	2340	3360	1860	560	740	2120
<i>Guinardia flaccida</i>							20
<i>Leptocylindrus minimus</i>		20	20				220
<i>Melosira nummuloides</i>					20	40	
<i>Navicula sp.</i>					20		
<i>Pleurosigma angulatum</i>					20		
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	20	40	60	160	60	40	20
<i>Proboscia alata</i>						20	
<i>Pseudo-nitzschia delicatissima</i> group	60		20	40		60	280
<i>Rhizosolenia hebetata</i>	20						
<i>Rhizosolenia imbricata</i>							60
<i>Rhizosolenia setigera</i>			20				
<i>Skeletonema costatum</i>	20				40	40	40
<i>Thalassiosira auguste-lineata</i>		80		60			
<i>Thalassiosira sp.</i>	60	60	100	20	40	40	
<i>Dictyocha speculum</i>	140	20		60			200
<i>Helicostomella sp.</i>	220		200				60
<i>Mesodinium rubrum</i>	1620	440	27740	120	20	20	3920
Tintinnids	180	80	600	180		20	220
Unidentified flagellate	100	20	160				20
<b>Date: 08- 30- 93</b>							
<i>Alexandrium fundyense</i>		40		20			
<i>Amylax triacantha</i>			40				
<i>Ceratium fusus</i>			80				
<i>Ceratium longipes</i>		20	40		20		20
<i>Ceratium minutum</i>	60	480	1360	140	180	60	240
<i>Ceratium tripos</i>		20					
<i>Dinophysis acuminata</i>	100	180	360	320	20	20	20
<i>Dinophysis acuta</i>			20				
<i>Dinophysis norvegica</i>		260	320	120	40		60
<i>Dinophysis sp.</i>		20		20		20	
<i>Gonyaulax digitale</i>		40	120				
<i>Gonyaulax spinifera</i>	20	220	1440	40			
<i>Gyrodinium sp.</i>			240				
<i>Heterocapsa triquetra</i>	60	3080	1800	220	60		20
<i>Peridinium limbatum</i>	20			20			
<i>Phalacroma rotundatum</i>							
<i>Protoperidinium sp.</i>	220	460	1080	120	80	20	
<i>Scrippsiella trochoidea</i>	480	2440	29380	260	60		
Unarmoured dinoflagellate		20	1000	20			

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 08- 30- 93 (cont'd)</b>							
<i>Cerataulina pelagica</i>	40		40	40	60		
<i>Chaetoceros constrictus</i>			20			20	
<i>Chaetoceros debilis</i>						40	
<i>Chaetoceros decipiens</i>							
<i>Chaetoceros ingolfianus</i>			20				
<i>Chaetoceros laciniatus</i>				20	20		
<i>Chaetoceros lorenzianus</i>							960
<i>Chaetoceros socialis</i>	80	140	160	80	20		
<i>Chaetoceros sp.</i>	20	40		80	20	20	40
<i>Corethron criophillum</i>				40	20	60	20
<i>Coscinodiscus sp.</i>	40			20	60		20
<i>Cylindrotheca closterium</i>	120	100	360	540	560	240	
<i>Dactyliosolen fragilissimus</i>					20		
<i>Ditylum brightwellii</i>		40		20	40	160	
<i>Guinardia delicatula</i>	13040	55480	120760	10000	6900	5060	35900
<i>Guinardia flaccida</i>			200	40			220
<i>Guinardia striata</i>				20		120	
<i>Gyrosigma fasciola</i>							20
<i>Leptocylindrus danicus</i>					20	20	
<i>Leptocylindrus minimus</i>	80	40	40	20	60	20	280
<i>Pleurosigma angulatum</i>							20
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	140	240	440	220	120	120	20
<i>Proboscia alata</i>				20	60	60	60
<i>Pseudo-nitzschia delicatissima</i> group	60		600	260	420	620	40
<i>Pseudo-nitzschia seriata</i> group		60	200		100	60	20
<i>Rhizosolenia imbricata</i>							40
<i>Rhizosolenia setigera</i>			20	40		40	
<i>Skeletonema costatum</i>	20					40	
<i>Thalassionema nitzschiooides</i>			20			60	
<i>Thalassiosira auguste-lineata</i>				20		20	
<i>Thalassiosira sp.</i>	20				20		
<i>Thalassiothrix longissima</i>							20
<i>Dictyocha speculum</i>	20	40	40	80	40		140
<i>Favella sp.</i>	20		40				
<i>Helicostomella sp.</i>		80	120				
<i>Mesodinium rubrum</i>	360	5400	6480	140	180	40	220
Tintinnids	100	100	1800	100	60	20	980
Unidentified flagellate	520	380	120	20			
<b>Date: 09- 07- 93</b>							
<i>Alexandrium fundyense</i>	20	20					
<i>Ceratium fusus</i>				40			
<i>Ceratium longipes</i>	40	20	120	20			20
<i>Ceratium minutum</i>	1140	1280	860	600	20		2240
<i>Dinophysis acuminata</i>	160	80	540	240	20		80
<i>Dinophysis norvegica</i>	60	20	100	160			80
<i>Gonyaulax digitale</i>			20				
<i>Gonyaulax spinifera</i>	120	420	40	20			
<i>Gyrodinium sp.</i>	80	180	240				20
<i>Heterocapsa triquetra</i>	540	2640	2420	60			
<i>Prorocentrum micans</i>			20				
<i>Protoperidinium sp.</i>	260	220	40	240	80	20	20
<i>Scrippsiella trochoidea</i>	2140	5840	4340	240	20		
Unarmoured dinoflagellate	100	300	180	20	20		

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 09- 07- 93 (cont'd)</b>							
<i>Cerataulina pelagica</i>			20				20
<i>Chaetoceros constrictus</i>							20
<i>Chaetoceros lorenzianus</i>	40			20	100	20	500
<i>Chaetoceros socialis</i>	40						
<i>Corethron criophilum</i>	20					40	
<i>Coscinodiscus sp.</i>	60					80	20
<i>Cylindrotheca closterium</i>	40	260	340	380	300	280	40
<i>Dactyliosolen fragilissimus</i>					40		
<i>Ditylum brightwellii</i>						100	
<i>Guinardia delicatula</i>	75080	148520	83240	47320	58760	20140	13620
<i>Guinardia flaccida</i>	380	80		560	40		1000
<i>Leptocylindrus danicus</i>							60
<i>Leptocylindrus minimus</i>	60	20	40	80	60	20	400
<i>Melosira ambigua</i>			40				
<i>Pleurosigma angulatum</i>					20		
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	60	320	200	180	160	300	120
<i>Proboscia alata</i>				20			
<i>Pseudo-nitzschia delicatissima</i> group		80	40	60	40	160	220
<i>Pseudo-nitzschia seriata</i> group		60	20	100	40	100	1500
<i>Rhabdonema sp.</i>			20				
<i>Rhizosolenia imbricata</i>					20	20	80
<i>Rhizosolenia setigera</i>						40	
<i>Thalassionema nitzschioides</i>	40					20	
<i>Thalassiosira sp.</i>							
<i>Dictyocha speculum</i>	40	20	60	200	20		360
<i>Helicostomella sp.</i>	60	440	20	20			60
<i>Mesodinium rubrum</i>	1000	800	3620	180	60		1580
Tintinnids	20	60	80	320		40	1540
Unidentified flagellate	60		40	60			
<b>Date: 09- 13- 93</b>							
<i>Ceratium fusus</i>			20				
<i>Ceratium minutum</i>	240	520	320	200		20	140
<i>Dinophysis acuminata</i>	180	120	160	100		20	20
<i>Dinophysis norvegica</i>	60	60		20	20		20
<i>Dinophysis sp.</i>				40	20		
<i>Gymnodinium sp.</i>			80				
<i>Heterocapsa triquetra</i>			100				
<i>Protoperidinium sp.</i>	40	20	180	220	140	60	60
<i>Scrippsiella trochoidea</i>		20	240	40			40
Unarmoured dinoflagellate	20		80				
<i>Asterionella sp.</i>			20				
<i>Chaetoceros sp.</i>				40		20	
<i>Corethron criophilum</i>		20	20	20	20		
<i>Coscinodiscus sp.</i>				20	20		80
<i>Cylindrotheca closterium</i>	120	300	420	1220	340	120	
<i>Ditylum brightwellii</i>	20			20	20		
<i>Guinardia delicatula</i>	1060	180	1620	2800	1040	1020	140
<i>Guinardia flaccida</i>	80	20	200	20	120	260	1060
<i>Guinardia striata</i>					20	20	
<i>Leptocylindrus minimus</i>	80		160	160	60	80	160
<i>Navicula sp.</i>				20	40		
<i>Pleurosigma angulatum</i>	20		40				20
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	80	20		140	20	60	

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 09- 13- 93 (cont'd)</b>							
<i>Proboscia alata</i>						80	
<i>Pseudo-nitzschia delicatissima</i> group	120	60	20	140	100	260	100
<i>Pseudo-nitzschia seriata</i> group	80	20	60	20	60	60	160
<i>Rhizosolenia setigera</i>	40						
<i>Skeletonema costatum</i>							20
<i>Thalassionema nitzschioides</i>						40	
<i>Dictyocha speculum</i>	20	120	180	180			500
<i>Helicostomella sp.</i>		60	20				
<i>Mesodinium rubrum</i>	660	4180	1400	80		60	720
Tintinnids	20	80	20	140	80	200	500
Unidentified flagellate	300		140	120			
<b>Date: 09- 20- 93</b>							
<i>Ceratium minutum</i>	880	860					500
<i>Dinophysis acuminata</i>	100	400					80
<i>Dinophysis norvegica</i>	40	60					40
<i>Dinophysis sp.</i>							20
<i>Heterocapsa triquetra</i>	40	160					
<i>Protoperidinium sp.</i>	100	80					60
<i>Scrippsiella trochoidea</i>	100	400					500
Unarmoured dinoflagellate	40						
<i>Actinoptychus senarius</i>		20					
<i>Cerataulina pelagica</i>	20						
<i>Chaetoceros sp.</i>	80	20					
<i>Corethron criophilum</i>		20					20
<i>Coscinodiscus sp.</i>	20	20					
<i>Cylindrotheca closterium</i>	160	120					40
<i>Ditylum brightwellii</i>							60
<i>Guinardia delicatula</i>	120	20					
<i>Guinardia flaccida</i>	380	60					260
<i>Guinardia striata</i>		60					
<i>Gyrosigma sp.</i>		20					
<i>Leptocylindrus minimus</i>	100	20					40
<i>Navicula sp.</i>	60	20					
<i>Pleurosigma angulatum</i>	20						
<i>Pseudo-nitzschia delicatissima</i> group	60	40					20
<i>Proboscia alata</i>	20						20
<i>Skeletonema costatum</i>							20
<i>Acartia sp.</i>	20						
<i>Dictyocha speculum</i>	340	400					320
<i>Helicostomella sp.</i>	20						
<i>Mesodinium rubrum</i>	1960	720					780
Tintinnids	120	80					180
Unidentified flagellate	60	20					
<b>Date: 09- 27- 93</b>							
<i>Alexandrium fundyense</i>	20		20				
<i>Ceratium minutum</i>	820	880	540	500		20	340
<i>Dinophysis acuminata</i>	40	60	140	100		80	20
<i>Dinophysis norvegica</i>	20	20	100				60
<i>Heterocapsa triquetra</i>	20	40	60	20			
<i>Phalacroma rotundatum</i>	20						
<i>Prorocentrum micans</i>		20					
<i>Protoperidinium sp.</i>	80	40	300	60		20	20
<i>Scrippsiella trochoidea</i>	120	180	360				20

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 09- 27- 93 (cont'd)</b>							
Unarmoured dinoflagellate	80		20			20	20
<i>Actinopytchus senarius</i>				40		80	
<i>Chaetoceros socialis</i>				100			
<i>Chaetoceros sp.</i>				20			
<i>Corethron criophilum</i>			20				
<i>Coscinodiscus sp.</i>		20	20	20	40	20	
<i>Cylindrotheca closterium</i>	420	320	680	1100	900	200	20
<i>Ditylum brightwellii</i>	20	40	20	60		40	
<i>Eucampia zodiacus</i>						20	
<i>Guinardia delicatula</i>	40		100	100	200	60	
<i>Guinardia flaccida</i>	160	60	100		60	40	800
<i>Guinardia striata</i>	20						
<i>Lauderia annulata</i>	20		120				
<i>Leptocylindrus danicus</i>					20		
<i>Leptocylindrus minimus</i>				40			
<i>Navicula sp.</i>		20					
<i>Pleurosigma angulatum</i>							20
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	20				20	40	
<i>Proboscia alata</i>			20	20	20	20	
<i>Pseudo-nitzschia delicatissima</i> group	20	40	60	140	140	20	
<i>Rhizosolenia hebetata</i>					20	80	
<i>Skeletonema costatum</i>							40
<i>Stephanopyxis turris</i>					20		
<i>Thalassiosira auguste-lineata</i>					20		
<i>Thalassiosira sp.</i>				20		20	
<i>Dictyocha speculum</i>	660	280	200	480	180		1260
<i>Helicostomella sp.</i>		20	20				
<i>Mesodinium rubrum</i>	5580	1540	4760	60	40	20	2600
<i>Notholca sp.</i>		20	20				
Tintinnids	320	120	300	20	20		960
Unidentified flagellate	100	80	220	20	40		
<b>Date: 10- 12- 93</b>							
<i>Alexandrium fundyense</i>	20						
<i>Ceratium fusus</i>			20				
<i>Ceratium minutum</i>	200		400				140
<i>Dinophysis acuminata</i>	20		40				
<i>Heterocapsa triquetra</i>	20						
<i>Protoperidinium sp.</i>	60		20				20
<i>Scrippsiella trochoidea</i>	40		60				
<i>Actinopytchus senarius</i>							20
<i>Cerataulina pelagica</i>			20				
<i>Chaetoceros sp.</i>	20						
<i>Corethron criophilum</i>	20						
<i>Coscinodiscus sp.</i>	40						20
<i>Cylindrotheca closterium</i>	780		340				180
<i>Ditylum brightwellii</i>			60				
<i>Guinardia delicatula</i>			120				
<i>Guinardia striata</i>			60				
<i>Leptocylindrus minimus</i>	100		140				
<i>Pleurosigma angulatum</i>							20
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>			40				20
<i>Pseudo-nitzschia delicatissima</i> group	80		20				
<i>Pseudo-nitzschia seriata</i> group	280		100				

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 10- 12- 93 (cont'd)</b>							
<i>Stephanopyxis turris</i>	20	40					
<i>Dictyocha speculum</i>	160	40					480
<i>Favella sp.</i>		20					
<i>Mesodinium rubrum</i>	580	220					1460
Tintinnids	60	60					460
Unidentified flagellate	40	20					
<b>Date: 10- 25- 93</b>							
<i>Alexandrium fundyense</i>			20				
<i>Ceratium minutum</i>	100	140	400	340	100		20
<i>Dinophysis norvegica</i>			20				
<i>Heterocapsa triquetra</i>			20	20			
<i>Protoperidinium sp.</i>	20		20	40	20		
<i>Scrippsiella trochoidea</i>				20			
<i>Actinoptychus senarius</i>		80		80	360	160	20
<i>Asterionellopsis kariana</i>					20		
<i>Cerataulina pelagica</i>					20		
<i>Chaetoceros sp.</i>						20	
<i>Corethron criophilum</i>	20		20		80		20
<i>Coscinodiscus sp.</i>	40	120	100	80	80	60	20
<i>Cylindrotheca closterium</i>	160	320	620	680	1020	160	860
<i>Dactyliosolen fragilissimus</i>						20	
<i>Ditylum brightwellii</i>	40	40	80	40	60	20	
<i>Guinardia delicatula</i>		40	140	20	200	60	20
<i>Guinardia flaccida</i>	260	160	220			20	
<i>Guinardia striata</i>			20	140			
<i>Gyrosigma fasciola</i>	20						20
<i>Gyrosigma tenuissimum</i>		20					
<i>Lauderia annulata</i>		40	20	20	20	20	
<i>Leptocylindrus danicus</i>			20				
<i>Leptocylindrus minimus</i>	20	20			20	20	
<i>Melosira ambigua</i>							120
<i>Melosira moniliformis</i>				40			20
<i>Navicula sp.</i>			20		20		
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>		20	40		80	20	
<i>Pseudo-nitzschia delicatissima</i> group	80	160	100	160	60	80	20
<i>Pseudo-nitzschia seriata</i> group	280	80	360	300	340	340	
<i>Rhizosolenia setigera</i>							20
<i>Rhizosolenia sp.</i>			20				
<i>Skeletonema costatum</i>			20	20	100		60
<i>Stephanopyxis turris</i>		20	40	180	180	540	20
<i>Thalassionema nitzschiooides</i>					80	80	
<i>Thalassiosira sp.</i>							20
<i>Dictyocha speculum</i>	60	20	160	160	120	20	300
<i>Mesodinium rubrum</i>	260	460	400	180			660
Tintinnids	100	20	20		20	20	480
Unidentified flagellate				20			
<b>Date: 11- 12- 93</b>							
<i>Ceratium minutum</i>	200		200	340	160	20	60
<i>Dinophysis acuminata</i>			20	40			
<i>Gonyaulax digitale</i>				20			
<i>Phalacroma rotundatum</i>	20		20				
<i>Protoperidinium sp.</i>	20	20	20	40	20		

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 11- 12- 93 (cont'd)</b>							
<i>Actinptychus senarius</i>		140		260	80	20	
<i>Chaetoceros decipiens</i>		20					
<i>Chaetoceros sp.</i>				20			
<i>Corethron criophilum</i>	20		40				40
<i>Coscinodiscus sp.</i>	60	60	260	120	100	40	40
<i>Cylindrotheca closterium</i>	600	880	720	580	1180	320	240
<i>Ditylum brightwellii</i>	20	20	40	40	40	60	60
<i>Grammatophora marina</i>			160				
<i>Guinardia delicatula</i>	60		40	60		20	20
<i>Guinardia flaccida</i>				20			
<i>Guinardia striata</i>					20	40	20
<i>Lauderia annulata</i>					20		
<i>Leptocylindrus minimus</i>				20			
<i>Navicula sp.</i>			20			20	60
<i>Pleurosigma angulatum</i>	20						
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	40		40				
<i>Pseudo-nitzschia delicatissima</i> group	140	240	360	140	220	80	20
<i>Pseudo-nitzschia seriata</i> group	40	120	120	100	120	220	
<i>Rhizosolenia setigera</i>			20				20
<i>Skeletonema costatum</i>				40			
<i>Stephanopyxis turris</i>	60			20		100	
<i>Thalassionema nitzschioides</i>				40	100		
<i>Thalassiosira auguste-lineata</i>			20				
<i>Thalassiosira sp.</i>						20	
<i>Dictyocha speculum</i>	60	20	80	60	20		40
<i>Mesodinium rubrum</i>	180	340	120	60	60	60	
Tintinnids	60	20			20	60	860
Unidentified flagellate				40	20		
<b>Date: 11- 23- 93</b>							
<i>Ceratium minutum</i>	60	20	20	40	60		40
<i>Dinophysis acuminata</i>		20		20			
<i>Protoperdinium sp.</i>				60			
<i>Actinptychus senarius</i>	40	180	120	80		100	
<i>Corethron criophilum</i>	20				60		
<i>Coscinodiscus sp.</i>	20	60	20	40	20	20	20
<i>Cylindrotheca closterium</i>	60	380	200	680	320	200	180
<i>Ditylum brightwellii</i>		20	80	20	60	40	20
<i>Eucampia zodiacus</i>							20
<i>Guinardia delicatula</i>	20			20		20	
<i>Leptocylindrus minimus</i>		20					
<i>Navicula sp.</i>		60	40	20		20	60
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	20			20	20		
<i>Pseudo-nitzschia delicatissima</i> group	80	100	140	140	100	60	40
<i>Pseudo-nitzschia seriata</i> group	80	120	120	80	60	220	20
<i>Rhizosolenia setigera</i>		20					
<i>Stephanopyxis turris</i>		60	20	20	40	60	
<i>Thalassionema nitzschioides</i>					20	60	
<i>Thalassiosira auguste-lineata</i>				20			
<i>Thalassiothrix longissima</i>						20	
<i>Dictyocha speculum</i>	60		40	120	80	20	40
<i>Mesodinium rubrum</i>	1040	180	320	200		100	180
Tintinnids						20	400
Unidentified flagellate				40			

ORGANISM	3	15	16-0 m	16-10m	16-25m	16-50m	17
<b>Date: 12-7-93</b>							
<i>Ceratium minutum</i>		60	40	40	60		
<i>Dinophysis acuminata</i>					20		
<i>Dinophysis caudata</i>			20				
<i>Protoperidinium sp.</i>				20	20		
<i>Actinoptychus senarius</i>	80	20	100	20	20		
<i>Chaetoceros sp.</i>	20		20			20	
<i>Corethron criophilum</i>	20	20	40	40			
<i>Coscinodiscus sp.</i>		40	20	100	40	160	
<i>Cylindrotheca closterium</i>	400	200	800	660	260	480	280
<i>Ditylum brightwellii</i>	20	20		40	40	80	20
<i>Guinardia delicatula</i>	60	20	80		20		
<i>Guinardia flaccida</i>					20	60	
<i>Guinardia striata</i>				140		40	
<i>Gyrosigma fasciola</i>							20
<i>Lauderia annulata</i>		20					
<i>Leptocylindrus minimus</i>				20		20	
<i>Licmophora abbreviata</i>	20						
<i>Navicula sp.</i>	20		20	60	20		20
<i>Pleurosigma angulatum</i>							20
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>			20	20		20	
<i>Pseudo-nitzschia delicatissima</i> group	160	340	300	460	220	320	40
<i>Pseudo-nitzschia seriata</i> group		20	40	40	20	80	
<i>Rhabdonema sp.</i>							20
<i>Skeletonema costatum</i>		40					20
<i>Stephanopyxis turris</i>	60				20		60
<i>Thalassionema nitzschiooides</i>				100		40	20
<i>Thalassiosira auguste-lineata</i>			40				
<i>Thalassiosira sp.</i>	20						
<i>Dictyocha speculum</i>	20	20			40		
<i>Mesodinium rubrum</i>	100	40	340	160		60	960
Tintinnids		40	40				360
Unidentified flagellate	20			40			

ORGANISM	3	15	16-0m	16-10m	16-25m	16-50m	17
<b>Date: 01- 11- 94</b>							
<i>Ceratium fusus</i>					20		
<i>Ceratium sp.</i>	20						
<i>Actinptychus senarius</i>						40	
<i>Corethron criophilum</i>		20	20				
<i>Coscinodiscus sp.</i>	60	20	60	40		60	60
<i>Cylindrotheca closterium</i>	340	220	280	320	320	140	180
<i>Ditylum brightwellii</i>	40	20			60		
<i>Melosira ambigua</i>				20	20		
<i>Navicula sp.</i>		40		20	20		60
<i>Pleurosigma angulatum</i>	20						20
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>		40		20		20	
<i>Pseudo-nitzschia delicatissima</i> group	140	160	160	60	60	60	80
<i>Rhizosolenia setigera</i>	20						
<i>Skeletonema costatum</i>		20	20				
<i>Stephanopyxis turris</i>					20		
<i>Thalassionema nitzschioides</i>	20						
<i>Thalassiosira auguste-lineata</i>		20					
<i>Thalassiosira sp.</i>				20			
<i>Dictyocha speculum</i>	20	40		20		20	
<i>Mesodinium rubrum</i>			20	20	20		
Tintinnids			20		20		200
<b>Date: 02- 08- 94</b>							
<i>Ceratium minutum</i>			20				20
<i>Asterionellopsis kariana</i>		20					
<i>Coscinodiscus sp.</i>			20				20
<i>Cylindrotheca closterium</i>	200	160	40				40
<i>Ditylum brightwellii</i>	20						
<i>Gyrosigma fasciola</i>		60					
<i>Leptocylindrus minimus</i>	20						
<i>Licmophora abbreviata</i>			20				20
<i>Navicula sp.</i>			60				60
<i>Odontella aurita</i>			20				20
<i>Pseudo-nitzschia delicatissima</i> group	180	200	120				120
<i>Rhabdonema sp.</i>			20				20
<i>Rhizosolenia setigera</i>	20		40				40
<i>Skeletonema costatum</i>	20		60				60
<i>Thalassiosira sp.</i>		20	20				20
<i>Dictyocha speculum</i>			20				20
<i>Mesodinium rubrum</i>		20	20				20
Tintinnids		20	40				40
<b>Date: 03- 15- 94</b>							
<i>Ceratium minutum</i>				20			
<i>Prorocentrum minimum</i>		20			20		
Unarmoured dinoflagellate					20		
Unidentified dinoflagellate		20				20	
<i>Asterionella sp.</i>							20
<i>Asterionellopsis kariana</i>					40	60	
<i>Chaetoceros constrictus</i>	20						
<i>Chaetoceros decipiens</i>			40				
<i>Chaetoceros sp.</i>	60		40	20			40
<i>Corethron criophilum</i>					20	40	
<i>Coscinodiscus sp.</i>	20			40	40	100	

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 03- 15- 94 (cont'd)</b>							
<i>Cylindrotheca closterium</i>	20	20		260	360	320	
<i>Ditylum brightwellii</i>			40			40	
<i>Guinardia delicatula</i>							20
<i>Gyrosigma fasciola</i>					20	100	
<i>Melosira nummuloides</i>	20						
<i>Navicula sp.</i>	60			20	40	240	60
<i>Pleurosigma angulatum</i>						20	20
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>						20	
<i>Pseudo-nitzschia delicatissima</i> group	460	280	400	720	1220	820	100
<i>Rhizosolenia setigera</i>	20			20			60
<i>Skeletonema costatum</i>	40	40	20	80	240	360	
<i>Thalassionema nitzschioides</i>						20	
<i>Thalassiosira nordenskioeldii</i>						20	
<i>Thalassiosira</i> sp.						20	
<i>Triceratium alternans</i>							20
<i>Dictyocha speculum</i>		40	40		20		
<i>Mesodinium rubrum</i>	60	100	220	20			220
Unidentified flagellate						20	
<b>Date: 03- 29- 94</b>							
<i>Alexandrium fundyense</i>							40
<i>Ceratium longipes</i>		20					
<i>Dinophysis acuminata</i>					20		
Unidentified dinoflagellate		40		20	20		
<i>Achnanthes</i> sp.							80
<i>Asterionellopsis kariana</i>						20	
<i>Bacillaria paxillifer</i>							20
<i>Chaetoceros compressus</i>				40			
<i>Chaetoceros</i> sp.				60			
<i>Corethron criophilum</i>						20	
<i>Coscinodiscus</i> sp.						40	
<i>Cylindrotheca closterium</i>	60			20		60	20
<i>Ditylum brightwellii</i>	60				20		
<i>Fragilaria</i> sp.	20						
<i>Gyrosigma balticum</i>	40						300
<i>Gyrosigma fasciola</i>	20	80					
<i>Licmophora abbreviata</i>							20
<i>Melosira moniformis</i>							60
<i>Navicula</i> sp.	20	20		20			60
<i>Odontella aurita</i>	60						20
<i>Pseudo-nitzschia delicatissima</i> group	120	100	80	140	140	320	60
<i>Rhabdonema</i> sp.		20					
<i>Rhizosolenia imbricata</i>					20		
<i>Rhizosolenia setigera</i>					20		
<i>Skeletonema costatum</i>						80	60
<i>Thalassiosira auguste-lineata</i>				20			
<i>Thalassiosira nordenskioeldii</i>	60		80	60	80	20	40
<i>Thalassiosira</i> sp.				20			
<i>Dictyocha speculum</i>				40			
<i>Mesodinium rubrum</i>	40	40		300	40	40	80
Tintinnids		40		20			140
Unidentified flagellate				20			

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 04- 28- 94</b>							
Unidentified dinoflagellate	20	80					
<i>Achnanthes</i> sp.	40						
<i>Bacillaria paxillifer</i>	20						20
<i>Chaetoceros constrictus</i>	20	40					60
<i>Chaetoceros</i> sp.	100	40					
<i>Coscinodiscus</i> sp.	20	20					20
<i>Cylindrotheca closterium</i>							20
<i>Fragilaria</i> sp.							180
<i>Gyrosigma fasciola</i>		20					140
<i>Gyrosigma littorale</i>							20
<i>Leptocylindrus minimus</i>		20					
<i>Licmophora abbreviata</i>							20
<i>Melosira monoliformis</i>							100
<i>Navicula</i> sp.	20						60
<i>Odontella aurita</i>							360
<i>Pleurosigma angulatum</i>							20
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>							40
<i>Pleurosigma</i> sp.							220
<i>Pseudo-nitzschia delicatissima</i> group	220	500					20
<i>Rhizosolenia</i> sp.		20					
<i>Skeletonema costatum</i>	60	80					
<i>Stephanopyxis turris</i>							20
<i>Thalassiosira auguste-lineata</i>	20	20					40
<i>Thalassiosira gravida</i>	20						
<i>Thalassiosira nordenskioeldii</i>	460	100					1380
<i>Dictyocha speculum</i>		80					
<i>Mesodinium rubrum</i>	40	400					
<i>Notholca</i> sp.							20
<i>Parafavella</i> sp.	20						
Tintinnids		80					
<b>Date: 05- 17- 94</b>							
<i>Alexandrium fundyense</i>		40					
<i>Protoperidinium</i> sp.	40		60				40
<i>Scrippsiella trochoidea</i>			20				60
Unidentified dinoflagellate	20	120	40				60
<i>Chaetoceros debilis</i>	20	20					40
<i>Chaetoceros</i> sp.	460	380	580				660
<i>Chaetoceros subtilis</i>		20	20				
<i>Coscinodiscus</i> sp.	20		20				
<i>Cylindrotheca closterium</i>		20	60				
<i>Ditylum brightwellii</i>		40	20				
<i>Gyrosigma</i> sp.	20						
<i>Melosira</i> sp.		20					
<i>Navicula</i> sp.	140	20					60
<i>Pseudo-nitzschia delicatissima</i> group	260	760	380				80
<i>Skeletonema costatum</i>	60	540	300				20
<i>Stephanopyxis turris</i>	20	20	80				20
<i>Thalassionema nitzschiooides</i>			20				
<i>Thalassiosira angulata</i>							40
<i>Thalassiosira auguste-lineata</i>							40
<i>Thalassiosira gravida</i>							80
<i>Thalassiosira nordenskioeldii</i>	5200	5420	12120				27640
<i>Thalassiosira</i> sp.	20	100	120				

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 05- 17- 94 (cont'd)</b>							
<i>Dictyocha speculum</i>		160	120				
<i>Mesodinium rubrum</i>	100	180	380				80
Tintinnids	60	220	340				60
Unidentified flagellate			20				
<b>Date: 05- 24- 94</b>							
<i>Alexandrium fundyense</i>		500	20	40			40
<i>Alexandrium fundyense</i> (duplet)		20					
<i>Ceratium longipes</i>	20						
<i>Ceratium sp.</i>		20					
<i>Heterocapsa triquetra</i>		120	20				
<i>Peridinium limbatum</i>			20				
<i>Protoperidinium sp.</i>		60	40	60			40
<i>Scrippsiella trochoidea</i>		80	20				
Unidentified dinoflagellate	120	320	80	40			
<i>Asterionella sp.</i>							20
<i>Chaetoceros compressus</i>				20			
<i>Chaetoceros convolutus</i>							20
<i>Chaetoceros debilis</i>		40					80
<i>Chaetoceros furcellatus</i>					20		
<i>Chaetoceros ingolfianus</i>		20		100			
<i>Chaetoceros socialis</i>							20
<i>Chaetoceros sp.</i>	400	620	920	580	140	60	1320
<i>Chaetoceros subtilis</i>		20					
<i>Coscinodiscus sp.</i>		100	20				20
<i>Cylindrotheca closterium</i>	100	40	40	320	160	40	
<i>Dactyliosolen fragilissimus</i>					40		
<i>Ditylum brightwellii</i>	20	80		40			20
<i>Fragilaria sp.</i>							20
<i>Gyrosigma fasciola</i>							60
<i>Gyrosigma sp.</i>		80					20
<i>Licmophora abbreviata</i>			20				
<i>Melosira ambigua</i>			40				
<i>Navicula sp.</i>	120	20	20	40	60	20	20
<i>Paralia marina</i>					20		
<i>Pleurosigma angulatum</i>	40						
<i>Pseudo-nitzschia delicatissima</i> group	2640	4200	1500	5180	340	120	600
<i>Rhizosolenia hebetata</i>		60					
<i>Rhizosolenia setigera</i>	20						
<i>Skeletonema costatum</i>	420	760	260	480	220	20	180
<i>Stephanopyxis turris</i>	40	40	40	20		20	40
<i>Thalassionema nitzschiooides</i>		20		20			
<i>Thalassiosira auguste-lineata</i>		60	80	40			20
<i>Thalassiosira gravida</i>		80	20	20			20
<i>Thalassiosira nordenskioeldii</i>	5300	20100	10140	14780	3840	480	24720
<i>Thalassiosira sp.</i>	360	260	500	140	380	20	60
<i>Dictyocha speculum</i>		160	40	120			20
<i>Helicostomella sp.</i>		20					20
<i>Mesodinium rubrum</i>	360	1000	580	200			920
<i>Ptychocylis sp.</i>		40		40			
Tintinnids	120	920	40	120	60	20	360
Unidentified flagellate		20	60	20			20

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 06- 07- 94</b>							
<i>Alexandrium fundyense</i>	400	440					40
<i>Alexandrium fundyense</i> (duplet)		40					
<i>Ceratium minutum</i>							20
<i>Protoperidinium sp.</i>	40	400					
<i>Scrippsiella trochoidea</i>	40	40					
<i>Chaetoceros debilis</i>	600	720					80
<i>Chaetoceros decipiens</i>		40					
<i>Chaetoceros furcellatus</i>	120						140
<i>Chaetoceros ingolfianus</i>	240	80					120
<i>Chaetoceros laciniosus</i>	120	40					
<i>Chaetoceros sp.</i>	360	240					180
<i>Chaetoceros teres</i>		40					100
<i>Coscinodiscus sp.</i>	40	40					20
<i>Cylindrotheca closterium</i>	320	240					100
<i>Ditylum brightwellii</i>	160	200					40
<i>Eucampia zodiacus</i>	40	80					
<i>Gyrosigma littorale</i>							20
<i>Leptocylindrus danicus</i>		80					
<i>Leptocylindrus minimus</i>		120					20
<i>Licmophora abbreviata</i>							20
<i>Navicula sp.</i>		40					20
<i>Pseudo-nitzschia delicatissima</i> group	24440	27560					620
<i>Pseudo-nitzschia seriata</i> group	80	40					
<i>Rhizosolenia hebetata</i>		40					
<i>Rhizosolenia setigera</i>		80					
<i>Skeletonema costatum</i>	640	1680					140
<i>Stephanopyxis turris</i>	160	200					120
<i>Thalassionema nitzschiooides</i>	80						
<i>Thalassiosira angulata</i>	240						20
<i>Thalassiosira gravida</i>	280	400					60
<i>Thalassiosira nordenskioeldii</i>	29240	33120					1760
<i>Thalassiosira sp.</i>							60
<i>Triceratium alternans</i>							20
<i>Brachionus sp.</i>	40						
<i>Dictyocha speculum</i>	40	160					
<i>Mesodinium rubrum</i>	880	3320					680
<i>Ptychocylis sp.</i>	80	80					
Tintinnids	160	1000					120
<b>Date: 06- 14- 94</b>							
<i>Alexandrium fundyense</i>	320	400					240
<i>Alexandrium fundyense</i> (duplet)	40						20
<i>Ceratium longipes</i>		20					
<i>Dinophysis sp.</i>		60					
<i>Heterocapsa triquetra</i>	80	160					
<i>Prorocentrum minimum</i>		20					
<i>Protoperidinium depressum</i>		20					
<i>Protoperidinium sp.</i>	200	60					
<i>Scrippsiella trochoidea</i>		60					20
Unarmoured dinoflagellate		20					
Unidentified dinoflagellate	120	440					
<i>Chaetoceros compressus</i>	120	180					40
<i>Chaetoceros convolutus</i>		20					
<i>Chaetoceros debilis</i>	760	540					540

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 06- 14- 94 (cont'd)</b>							
<i>Chaetoceros furcellatus</i>							120
<i>Chaetoceros ingolfianus</i>							40
<i>Chaetoceros sp.</i>	1000	480					360
<i>Chaetoceros teres</i>	120						260
<i>Coscinodiscus sp.</i>	80	20					
<i>Cylindrotheca closterium</i>	520	220					300
<i>Dactyliosolen fragilissimus</i>	80						
<i>Ditylum brightwellii</i>	360	140					40
<i>Eucampia zodiacus</i>	40	40					
<i>Fragilaria sp.</i>		80					200
<i>Gyrosigma tenuissimum</i>							20
<i>Lauderia annulata</i>							20
<i>Leptocylindrus minimus</i>	120	240					220
<i>Navicula sp.</i>	120	40					20
<i>Pseudo-nitzschia delicatissima</i> group	138720	127296					4220
<i>Pseudo-nitzschia seriata</i> group	200	20					
<i>Rhizosolenia hebetata</i>	160						
<i>Rhizosolenia setigera</i>	80	40					20
<i>Skeletonema costatum</i>	3400	5200					220
<i>Stephanopyxis turris</i>	160	180					360
<i>Thalassionema nitzschioides</i>		20					
<i>Thalassiosira angulata</i>							20
<i>Thalassiosira auguste-lineata</i>	600	240					
<i>Thalassiosira gravida</i>	200	60					
<i>Thalassiosira nordenskioeldii</i>	7800	4520					300
<i>Thalassiosira sp.</i>	2440	1640					200
<i>Triceratium alternans</i>		20					80
<i>Brachionus sp.</i>		20					
<i>Dictyocha speculum</i>	120	340					
<i>Helicostomella sp.</i>		20					
<i>Mesodinium rubrum</i>	4520	8160					2040
Tintinnids	200	640					580
Unidentified flagellate	40	100					
<b>Date: 06- 21- 94</b>							
<i>Alexandrium fundyense</i>	1080	4280					600
<i>Alexandrium fundyense</i> (duplet)	160	40					40
<i>Alexandrium fundyense</i> (fusing)		80					
<i>Alexandrium fundyense</i> (quadruplet)		120					
<i>Ceratium longipes</i>	40						
<i>Ceratium sp.</i>	40	40					
<i>Dinophysis acuminata</i>	40						
<i>Heterocapsa triquetra</i>		1080					120
<i>Protoperidinium sp.</i>	120	320					160
<i>Scrippsiella trochoidea</i>	720	1680					40
Unidentified dinoflagellate	520	1080					480
<i>Chaetoceros compressus</i>	240	40					
<i>Chaetoceros debilis</i>	1160	600					960
<i>Chaetoceros decipiens</i>		40					
<i>Chaetoceros sp.</i>	1920	1400					1400
<i>Chaetoceros teres</i>							40
<i>Corethron criophilum</i>	80						40
<i>Coscinodiscus sp.</i>							
<i>Cylindrotheca closterium</i>	120	200					2720

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 06- 21- 94 (cont'd)</b>							
<i>Dactyliosolen fragilissimus</i>	120						160
<i>Ditylum brightwellii</i>	920		80				160
<i>Eucampia zodiacus</i>	40						
<i>Guinardia delicatula</i>							40
<i>Leptocylindrus minimus</i>	400		240				6400
<i>Navicula sp.</i>	160						
<i>Pseudo-nitzschia delicatissima</i> group	248064	35904					18760
<i>Pseudo-nitzschia seriata</i> group	80	120					80
<i>Rhizosolenia hebetata</i>	120	160					
<i>Rhizosolenia setigera</i>	280	160					
<i>Skeletonema costatum</i>	23440	50592					800
<i>Stephanopyxis turris</i>	320	40					160
<i>Thalassiosira auguste-lineata</i>	240	560					120
<i>Thalassiosira gravida</i>	80	80					
<i>Thalassiosira nordenskioeldii</i>	160	120					360
<i>Thalassiosira sp.</i>	1440	2040					560
<i>Brachionus sp.</i>	80	200					
<i>Dictyocha speculum</i>		120					
<i>Helicostomella sp.</i>							160
<i>Mesodinium rubrum</i>	7840	3560					6000
<i>Parafavella sp.</i>	40						
<i>Ptychocylis sp.</i>		40					
Tintinnids	240	280					1880
Unidentified flagellate		240					
<b>Date: 06- 28- 94</b>							
<i>Alexandrium fundyense</i>	14120	53856					1120
<i>Alexandrium fundyense</i> (duplet)	400	1960					
<i>Alexandrium fundyense</i> (fusing)		40					
<i>Alexandrium fundyense</i> (planozygote)		240					
<i>Alexandrium fundyense</i> (quadruplet)		120					
<i>Alexandrium fundyense</i> (triplet)		80					
<i>Amylax triacantha</i>	40	80					20
<i>Ceratium longipes</i>		720					
<i>Ceratium sp.</i>		80					
<i>Ceratium tripos</i>		40					
<i>Dinophysis acuminata</i>	40	440					40
<i>Dinophysis acuta</i>		80					
<i>Dinophysis norvegica</i>		160					
<i>Dinophysis sp.</i>	40						20
<i>Gonyaulax spinifera</i>		80					
<i>Heterocapsa triquetra</i>	1120	22920					140
<i>Protoperidinium denticulatum</i>		40					
<i>Protoperidinium sp.</i>	600	1680					340
<i>Scirpiella trochoidea</i>	1680	4120					120
Unarmoured dinoflagellate							20
Unidentified dinoflagellate	680	840					380
<i>Chaetoceros compressus</i>							40
<i>Chaetoceros constrictus</i>	40						
<i>Chaetoceros debilis</i>	200	160					460
<i>Chaetoceros decipiens</i>							60
<i>Chaetoceros sp.</i>	1280	2560					200
<i>Coscinodiscus sp.</i>	40	40					
<i>Cylindrotheca closterium</i>	800	480					2280

ORGANISM	3	15	16	-0m	16-10m	16-25m	16-50m	17
<b>Date: 06- 28- 94 (cont'd)</b>								
<i>Dactyliosolen fragilissimus</i>	120							20
<i>Ditylum brightwellii</i>	80	40						100
<i>Eucampia zodiacus</i>		120						
<i>Guinardia delicatula</i>		80						20
<i>Gyrosigma fasciola</i>								20
<i>Gyrosigma sp.</i>								20
<i>Leptocylindrus minimus</i>	6000	1600						50592
<i>Licmophora abbreviata</i>		120						
<i>Melosira monoliformis</i>	40							
<i>Pleurosigma angulatum</i>								20
<i>Pseudo-nitzschia delicatissima</i> group	520	280						31008
<i>Pseudo-nitzschia seriata</i> group	120							100
<i>Rhizosolenia hebetata</i>	80	120						
<i>Rhizosolenia setigera</i>	40	160						20
<i>Skeletonema costatum</i>	2000	2200						1200
<i>Stephanopyxis turris</i>	40							20
<i>Thalassiosira auguste-lineata</i>	1120	1560						240
<i>Thalassiosira gravida</i>								40
<i>Thalassiosira nordenskioeldii</i>								20
<i>Thalassiosira sp.</i>		120						280
<i>Brachionus sp.</i>	200	80						60
<i>Dictyocha speculum</i>		320						20
<i>Helicostomella sp.</i>	200	160						120
<i>Mesodinium rubrum</i>	14040	39168						2920
<i>Parafavella sp.</i>	40							20
<i>Ptychocylis sp.</i>	40	40						
Unidentified flagellate	480	120						60
<b>Date: 07- 11- 94</b>								
<i>Alexandrium fundyense</i>	7120	48160	52360	9660	780	80	3920	
<i>Alexandrium fundyense</i> (duplet)	60	160	480	80				80
<i>Alexandrium fundyense</i> (fusing)			160					
<i>Alexandrium fundyense</i> (planozygote)		320	1200	40	80	60	20	
<i>Alexandrium fundyense</i> (quadruplet)			40	20	20			
<i>Alexandrium fundyense</i> (triplet)			40					
<i>Amylax triacantha</i>				60				
<i>Ceratium fusus</i>	40		40	20	20			20
<i>Ceratium lineatum</i>				100				
<i>Ceratium longipes</i>	480	520	560	660	120			400
<i>Ceratium minutum</i>	100	40		100	20			80
<i>Ceratium sp.</i>				40				
<i>Ceratium tripos</i>			160		20			
<i>Dinophysis acuminata</i>	160	800	200	1120	60			80
<i>Dinophysis norvegica</i>	40	40	40	160	20			40
<i>Dinophysis sp.</i>		40	160					20
<i>Gonyaulax digitale</i>		80	80					140
<i>Gonyaulax spinifera</i>	80	240	440	40				20
<i>Gyrodinium aureolum</i>				40				
<i>Heterocapsa triquetra</i>	100	1760	600	180				40
<i>Prorocentrum micans</i>	20		40					
<i>Protoperidinium sp.</i>	100	320	640	640	60			240
<i>Scrippsiella trochoidea</i>	2280	25800	6280	3200	240			660
Unidentified dinoflagellate				40	40	20		
<i>Chaetoceros compressus</i>		40						

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 07- 11- 94 (cont'd)</b>							
<i>Chaetoceros constrictus</i>	140	320	240	80			
<i>Chaetoceros convolutus</i>			40	20			
<i>Chaetoceros debilis</i>	20			20			60
<i>Chaetoceros decipiens</i>	20			40	40		40
<i>Chaetoceros laciniosus</i>	60	80					20
<i>Chaetoceros sp.</i>	340	480	800	700	1300	460	120
<i>Corethron criophilum</i>					40		
<i>Coscinodiscus sp.</i>	20			40	20	20	20
<i>Cylindrotheca closterium</i>	220	80	80	380	400	180	120
<i>Dactyliosolen fragilissimus</i>	40	40	40	220	60		
<i>Ditylum brightwellii</i>	120	80	80	140	160	80	120
<i>Guinardia delicatula</i>	580	280	1480	720	700		220
<i>Guinardia striata</i>				20			
<i>Gyrosigma fasciola</i>							20
<i>Leptocylindrus danicus</i>			160	40			20
<i>Leptocylindrus minimus</i>	8380	10680	19040	19420	15780	2940	30960
<i>Navicula sp.</i>	40	120		20	60	80	20
<i>Pleurosigma angulatum</i>	20	40				20	
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>					20		
<i>Pseudo-nitzschia delicatissima</i> group	160	120	320	400	840	40	100
<i>Rhizosolenia gracillima</i>			40	60			
<i>Rhizosolenia hebetata</i>			40		40		
<i>Rhizosolenia setigera</i>	20		120		20	20	20
<i>Skeletonema costatum</i>	380	760	320	640	760	780	760
<i>Stephanopyxis turris</i>	40	320				20	
<i>Thalassiosira angulata</i>							20
<i>Thalassiosira auguste-lineata</i>	840	960	1760	3500	1640	280	100
<i>Thalassiosira nordenskioeldii</i>					100		120
<i>Thalassiosira sp.</i>					40	20	
<i>Brachionus sp.</i>				100			20
<i>Dictyocha speculum</i>							40
<i>Favella sp.</i>	60	40	240	60			140
<i>Helicostomella sp.</i>	1060	360	520	1380			900
<i>Mesodinium rubrum</i>	1300	4040	1560	360	20	60	5780
<i>Notholca sp.</i>							20
<i>Ptychocylis sp.</i>							20
<i>Tintinnids</i>	260	280	400	740	280	120	220
<b>Date: 07- 19- 94</b>							
<i>Alexandrium fundyense</i>	660	2240	2040	60		20	
<i>Alexandrium fundyense</i> (cyst)						20	
<i>Alexandrium fundyense</i> (planozygote)	20						
<i>Ceratium fusus</i>		80	40		20		
<i>Ceratium longipes</i>	140	480	40	100			80
<i>Ceratium minutum</i>	160	800	160				120
<i>Ceratium sp.</i>	20	40	40				
<i>Ceratium tripos</i>	20		40	60			
<i>Dinophysis acuminata</i>	120	240	40	400	80		60
<i>Dinophysis acuta</i>	60			20	40		
<i>Dinophysis norvegica</i>			120	60			
<i>Dinophysis sp.</i>		40					
<i>Gonyaulax digitale</i>	220	440	320				80
<i>Gonyaulax spinifera</i>	80	120	320	40			20
<i>Gyrodinium sp.</i>	100	360	80		20		60

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 07- 19- 94 (cont'd)</b>							
<i>Heterocapsa triquetra</i>	280	2680	1160				80
<i>Prorocentrum micans</i>	20	80	40		20		
<i>Protoperidinium sp.</i>	460	2040	920	360	120		100
<i>Scrippsiella trochoidea</i>	1900	9880	10240	280			60
Unarmoured dinoflagellate	120	680	240				40
<i>Cerataulina pelagica</i>	40						120
<i>Chaetoceros compressus</i>			20				
<i>Chaetoceros constrictus</i>	700	1520	680	140	200	20	
<i>Chaetoceros convolutus</i>					20		
<i>Chaetoceros debilis</i>	60	120	40	100	100		
<i>Chaetoceros decipiens</i>	40	80	40		40		20
<i>Chaetoceros ingolfianus</i>	200	2040	1200	180	240	20	
<i>Chaetoceros laciniatus</i>	60	120	120		60	20	
<i>Chaetoceros sp.</i>	1020	2200	4680	3300	1360	300	20
<i>Corethron criophilum</i>	20				20	40	
<i>Coscinodiscus sp.</i>	40		40			20	
<i>Cylindrotheca closterium</i>	140	360	200	320	600	80	60
<i>Dactyliosolen fragilissimus</i>			20				
<i>Ditylum brightwellii</i>	240	440	80	240	80	80	
<i>Guinardia delicatula</i>	8020	7160	12800	9320	4020	300	2400
<i>Guinardia striata</i>		40	40	160			
<i>Leptocylindrus danicus</i>		40	80	20		60	
<i>Leptocylindrus minimus</i>	80	40	40		60	120	1500
<i>Licmophora abbreviata</i>							40
<i>Navicula sp.</i>	20	40			40		20
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	40	80		20	20		
<i>Proboscia alata</i>	20						20
<i>Pseudo-nitzschia delicatissima</i> group	140	200	200	280	200		20
<i>Pseudo-nitzschia seriata</i> group		40	40	20	40		
<i>Rhizosolenia hebetata</i>	20						80
<i>Rhizosolenia imbricata</i>			40				
<i>Rhizosolenia setigera</i>							
<i>Skeletonema costatum</i>	820	2000	640	1200	380	820	
<i>Stephanopyxis turris</i>	120	40	40	120			
<i>Thalassiosira angulata</i>			120				
<i>Thalassiosira auguste-lineata</i>	1000	3800	5160	4860	2120	40	
<i>Thalassiosira gravida</i>				20	20		
<i>Thalassiosira nordenskioeldii</i>		40	40		20		
<i>Thalassiosira sp.</i>	40					20	
<i>Brachionus sp.</i>							
<i>Dictyocha speculum</i>	20	40	80	80	40		420
<i>Favella sp.</i>	20	200	160				20
<i>Helicostomella sp.</i>	360	280	80	40			180
<i>Mesodinium rubrum</i>	2800	1280	3640	380	260		6960
<i>Notholca sp.</i>	20						
Tintinnids	180	600	280	140	220	100	100
Unidentified flagellate	80						220

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 07- 26- 94</b>							
<i>Alexandrium fundyense</i>	160	1360	1080	640			
<i>Ceratium fusus</i>	20			80			
<i>Ceratium longipes</i>	80	240	160	120	60		60
<i>Ceratium minutum</i>	120	240	360	600			100
<i>Ceratium sp.</i>							80
<i>Ceratium tripos</i>	20	40					
<i>Dinophysis acuminata</i>	40	400	640	640			80
<i>Dinophysis acuta</i>	20		40	40			
<i>Dinophysis norvegica</i>	40	160	120	40			40
<i>Dinophysis sp.</i>			80		40		
<i>Gonyaulax digitale</i>		40	40				
<i>Gonyaulax spinifera</i>	40	1120	520	240			
<i>Gymnodinium sp.</i>		320	240	120			
<i>Gyrodinium aureolum</i>		80	40				
<i>Heterocapsa triquetra</i>	160	20480	5360	4360	40		80
<i>Phalacroma rotundatum</i>			40				
<i>Prorocentrum micans</i>	20	120					20
<i>Protoperdinium sp.</i>	140	1240	1200	720	20		40
<i>Scrippsiella trochoidea</i>	660	17160	11360	6840	140		20
Unarmoured dinoflagellate				40			
Unidentified dinoflagellate	40	1000	520	160	80	20	20
<i>Cerataulina pelagica</i>	20		200	40	20		280
<i>Chaetoceros compressus</i>				40	20	20	
<i>Chaetoceros constrictus</i>			40				
<i>Chaetoceros debilis</i>	80		120	160	40		20
<i>Chaetoceros decipiens</i>	20				40		
<i>Chaetoceros diadema</i>				40			
<i>Chaetoceros ingolfianus</i>			240	80			
<i>Chaetoceros laciniosus</i>			80				
<i>Chaetoceros socialis</i>			40				
<i>Chaetoceros sp.</i>	780	1840	8680	4800	1720	1680	100
<i>Corethron criophilum</i>			80				40
<i>Coscinodiscus sp.</i>				40			40
<i>Cylindrotheca closterium</i>	220	240	480	200	700	60	60
<i>Dactyliosolen fragilissimus</i>		40		40			
<i>Ditylum brightwellii</i>	1100	1360	1040	1040	480	300	60
<i>Guinardia delicatula</i>	57120	70176	75072	55488	11960	2420	5340
<i>Guinardia flaccida</i>							20
<i>Guinardia striata</i>				40			
<i>Lauderia annulata</i>				40			
<i>Leptocylindrus danicus</i>			40				
<i>Leptocylindrus minimus</i>	40	80		40	40		80
<i>Navicula sp.</i>	20				40		
<i>Pleurosigma angulatum</i>	40						120
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	100		160	120			
<i>Proboscia alata</i>					20		
<i>Pseudo-nitzschia delicatissima</i> group	360	440	720	320	180	100	
<i>Pseudo-nitzschia seriata</i> group	20	160	120	200	40		
<i>Rhizosolenia hebetata</i>		40	160				20
<i>Rhizosolenia setigera</i>	20	40					
<i>Skeletonema costatum</i>	260	160	480	280	340	400	40
<i>Stephanopyxis turris</i>	180	120	320	280	40	20	
<i>Thalassionema nitzschiooides</i>			40			20	

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 07- 26- 94 (cont'd)</b>							
<i>Thalassiosira auguste-lineata</i>	2140	2760	5120	4160	940	480	
<i>Thalassiosira gravida</i>			40		40		
<i>Thalassiosira nordenskioeldii</i>			280	200	40		
<i>Thalassiosira sp.</i>			40	40	40		
<i>Dictyocha speculum</i>	20	80	120	160	20	20	380
<i>Favella sp.</i>	20	120	40				40
<i>Helicostomella sp.</i>	280	1720	200	240			40
<i>Mesodinium rubrum</i>	1180	6040	5680	680	100	40	3840
Tintinnids	100	280	280	200	260	40	4120
Unidentified flagellate							20
<b>Date: 08- 04- 94</b>							
<i>Alexandrium fundyense</i>	260	360	700				20
<i>Alexandrium fundyense</i> (planozygote)			20				
<i>Amylax triacantha</i>	20		40				
<i>Ceratium fusus</i>			20	20			40
<i>Ceratium longipes</i>	200	280	20	120			20
<i>Ceratium minutum</i>	540	1220	60	20			
<i>Ceratium tripos</i>			20	20			
<i>Dinophysis acuminata</i>	400	580	220	60	40		160
<i>Dinophysis norvegica</i>	80	100	320	20			
<i>Dinophysis tripos</i>				20			
<i>Gonyaulax digitale</i>	140	320	700				300
<i>Gonyaulax spinifera</i>	700	1260	4940				60
<i>Gymnodinium sp.</i>							100
<i>Gyrodinium aureolum</i>	80	120					
<i>Gyrodinium sp.</i>	180	300	420				
<i>Heterocapsa triquetra</i>	2480	4420	2960	60			20
<i>Prorocentrum micans</i>	40	20	40				
<i>Protoperidinium sp.</i>	300	360	720	140	40		120
<i>Scrippsiella trochoidea</i>	3340	5100	93024	60			100
Unarmoured dinoflagellate	40	80	80				
Unidentified dinoflagellate					20		40
<i>Cerataulina pelagica</i>							200
<i>Chaetoceros constrictus</i>							20
<i>Chaetoceros sp.</i>				20	20	20	
<i>Corethron criophilum</i>	20						
<i>Coscinodiscus sp.</i>				20	20	20	40
<i>Cylindrotheca closterium</i>	140		20	300	180		20
<i>Dactyliosolen fragilissimus</i>		40					
<i>Ditylum brightwellii</i>	220	60	100	100	300	20	80
<i>Guinardia delicatula</i>	148512	101184	65280	13760	6700	3820	137088
<i>Guinardia flaccida</i>		20	40				
<i>Guinardia striata</i>						20	
<i>Leptocylindrus danicus</i>	100	20					
<i>Leptocylindrus minimus</i>	20		20	20			300
<i>Licmophora abbreviata</i>							20
<i>Navicula sp.</i>							20
<i>Pleurosigma angulatum</i>	40				20	20	40
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	60	160	40	100	40		
<i>Pseudo-nitzschia delicatissima</i> group	340	240	100	380	240	60	
<i>Pseudo-nitzschia seriata</i> group	100	60		20	20		180
<i>Rhizosolenia imbricata</i>	20						
<i>Skeletonema costatum</i>				20	40	60	

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 08- 04- 94 (cont'd)</b>							
<i>Stephanopyxis turris</i>					20		
<i>Thalassiosira auguste-lineata</i>			20	60	40		
<i>Thalassiosira gravida</i>			20				
<i>Thalassiosira sp.</i>	20						
<i>Dictyocha speculum</i>	20		120	300			360
<i>Favella sp.</i>			80				
<i>Helicostomella sp.</i>	180	260	80				40
<i>Mesodinium rubrum</i>	1540	360	3000	180		60	21800
<i>Salpingella sp.</i>					20	20	
Tintinnids	380	220	340	240	40		25360
Unidentified flagellate	40						160
<b>Date: 08- 09- 94</b>							
<i>Alexandrium fundyense</i>	120	620	940	20			60
<i>Amylax triacantha</i>	20		40				
<i>Ceratium fusus</i>	60		40				60
<i>Ceratium longipes</i>	80	180	340	100	20		200
<i>Ceratium minutum</i>	1420	200	2040	20	20	60	480
<i>Ceratium sp.</i>		20					
<i>Dinophysis acuminata</i>	100	20	340	220	20	20	380
<i>Dinophysis norvegica</i>	80		100	40	40		40
<i>Dinophysis tripos</i>				20			
<i>Gonyaulax digitale</i>	60	1080	240				20
<i>Gonyaulax spinifera</i>	800	8920	920		20		40
<i>Gymnodinium sp.</i>	40	320	340				140
<i>Gyrodinium aureolum</i>	40	120	220				
<i>Heterocapsa triquetra</i>	100	40	500	20			100
<i>Phalacroma rotundatum</i>		40					
<i>Prorocentrum micans</i>	60	220	120				20
<i>Protoperdinium sp.</i>	100	20	300	260	60		60
<i>Scrippsiella trochoidea</i>	1640	132192	11000		40		220
Unarmoured dinoflagellate	20		140				60
Unidentified dinoflagellate		160		20		20	40
<i>Cerataulina pelagica</i>	40				20		80
<i>Chaetoceros constrictus</i>	20			20			
<i>Chaetoceros sp.</i>	60		20	20			
<i>Coscinodiscus sp.</i>	20			40			20
<i>Cylindrotheca closterium</i>	80	60	100	420	520	60	60
<i>Dactyliosolen fragilissimus</i>						20	20
<i>Ditylum brightwellii</i>	140	140	20	60	240	200	40
<i>Guinardia delicatula</i>	1300	15880	14520	19560	12920	4960	4760
<i>Guinardia flaccida</i>							120
<i>Leptocylindrus danicus</i>	20	100					
<i>Leptocylindrus minimus</i>	100			40	40		280
<i>Navicula sp.</i>		40		40	20		
<i>Pleurosigma angulatum</i>				20			20
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	120		200	180	40	80	
<i>Pseudo-nitzschia delicatissima</i> group	1400	840	1060	440	520	160	20
<i>Pseudo-nitzschia seriata</i> group	100	40	100		400		1120
<i>Rhizosolenia setigera</i>	20	40				20	
<i>Skeletonema costatum</i>		40		60	60		
<i>Thalassionema nitzschiooides</i>						40	
<i>Thalassiosira angulata</i>		40			20	20	
<i>Thalassiosira auguste-lineata</i>							

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 08- 09- 94 (cont'd)</b>							
<i>Thalassiosira gravida</i>				80			
<i>Thalassiosira sp.</i>	40		20	20	40		
<i>Brachionus sp.</i>	20						
<i>Dictyocha speculum</i>	80	40	40	100	40		2880
<i>Helicostomella sp.</i>	200	20	320				240
<i>Mesodinium rubrum</i>	1000	560	260	80			5020
<i>Parafavella sp.</i>					20		
Tintinnids	220		120	560	120	60	720
Unidentified flagellate	240	460	20				80
<b>Date: 08- 16- 94</b>							
<i>Alexandrium fundyense</i>		420	740				20
<i>Ceratium fusus</i>	40			60			40
<i>Ceratium longipes</i>		100	80	20			40
<i>Ceratium minutum</i>	820	1580	1940	140	40		480
<i>Ceratium sp.</i>	20						
<i>Dinophysis acuminata</i>	280	80	260	80			160
<i>Dinophysis norvegica</i>	80		80	20			40
<i>Gonyaulax digitale</i>			40				
<i>Gymnodinium sp.</i>	140	300	160				
<i>Gyrodinium aureolum</i>	40	600	340				
<i>Heterocapsa triquetra</i>	120	2220	280	20			
<i>Phalacroma rotundatum</i>			20				
<i>Prorocentrum micans</i>	60	20	100				20
<i>Protoperidinium depressum</i>		20					
<i>Protoperidinium sp.</i>	300	880	540	100	80		60
<i>Scrippsiella trochoidea</i>	540	5060	3180	40			180
Unarmoured dinoflagellate			120				
Unidentified dinoflagellate		200	160				20
<i>Chaetoceros constrictus</i>			40				
<i>Chaetoceros sp.</i>					20		
<i>Corethron criophilum</i>					20		
<i>Coscinodiscus sp.</i>	60		20		20		20
<i>Cylindrotheca closterium</i>	140	20	80	640	140	80	
<i>Ditylum brightwellii</i>	20		80			60	80
<i>Guinardia delicatula</i>	80	20	120	20	100	20	40
<i>Guinardia flaccida</i>						20	
<i>Guinardia striata</i>					20		
<i>Leptocylindrus minimus</i>	40	20					260
<i>Licmophora abbreviata</i>	20	20					
<i>Pleurosigma angulatum</i>							20
<i>Pseudo-nitzschia delicatissima</i> group	20	20	40	180	460		60
<i>Pseudo-nitzschia seriata</i> group	20		80			20	220
<i>Rhabdonema sp.</i>							20
<i>Rhizosolenia setigera</i>					20	20	
<i>Skeletonema costatum</i>					60		60
<i>Thalassionema nitzschioides</i>						20	20
<i>Thalassiosira auguste-lineata</i>			100				
<i>Thalassiosira gravida</i>			20	20	40		
<i>Thalassiosira sp.</i>				40			
<i>Dictyocha speculum</i>	220	240	160	60			1360
<i>Favella sp.</i>			20				
<i>Helicostomella sp.</i>	160		100				20
<i>Mesodinium rubrum</i>	4120	3600	1000	80			2620

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 08- 16- 94 (cont'd)</b>							
<i>Notholca</i> sp.		20					
<i>Parafavella</i> sp.	20	20					
Tintinnids	600	340	440	140	20	60	360
Unidentified flagellate	20	60					20
<b>Date: 08- 23- 94</b>							
<i>Alexandrium fundyense</i>			360	60			
<i>Ceratium fusus</i>	20		80	40			
<i>Ceratium longipes</i>	20	20		20			
<i>Ceratium minutum</i>	1360	420	1320	680			60
<i>Dinophysis acuminata</i>	120	160	200	160	20		20
<i>Dinophysis acuta</i>	40						
<i>Dinophysis norvegica</i>		100					
<i>Gymnodinium</i> sp.	60		200	120			
<i>Gyrodinium aureolum</i>	40		120				
<i>Heterocapsa triquetra</i>	60	100	160	120			
<i>Prorocentrum micans</i>		220	200				20
<i>Protoperidinium</i> sp.	40	140	280	140			
<i>Scrippsiella trochoidea</i>	320	120	560	220			200
Unarmoured dinoflagellate				20			
Unidentified dinoflagellate	20	60	120				
<i>Actinopychus senarius</i>			160		20		
<i>Cerataulina pelagica</i>							220
<i>Chaetoceros compressus</i>	20	20	80	60			
<i>Chaetoceros constrictus</i>	60	20	120	20			
<i>Chaetoceros debilis</i>			80				
<i>Chaetoceros decipiens</i>			80		40		
<i>Chaetoceros ingolfianus</i>			40				
<i>Chaetoceros socialis</i>	60	620	280	260	20	20	
<i>Chaetoceros</i> sp.	480	540	1040	420	20	60	
<i>Chaetoceros subtilis</i>	140	20	280	140	20		
<i>Corethron criophilum</i>	100	100	80	160	120	60	20
<i>Coscinodiscus</i> sp.	60	60	120				20
<i>Cylindrotheca closterium</i>	1060	440	1520	1120	560	100	40
<i>Ditylum brightwellii</i>	200	180	800	520	80		40
<i>Guinardia delicatula</i>					20	20	80
<i>Guinardia striata</i>					20		
<i>Leptocylindrus danicus</i>	20	20					
<i>Leptocylindrus minimus</i>		20	40	60			180
<i>Navicula</i> sp.						20	40
<i>Pleurosigma angulatum</i>	60						180
<i>Pseudo-nitzschia delicatissima</i> group	5780	2440	11000	11620	1960	480	40
<i>Pseudo-nitzschia seriata</i> group		20	40	20			
<i>Skeletonema costatum</i>	1520	560	5200	2360	600	780	100
<i>Stephanopyxis turris</i>			40				
<i>Thalassionema nitzschioides</i>				80	160	240	
<i>Thalassiosira angulata</i>			40				
<i>Thalassiosira auguste-lineata</i>				120			
<i>Thalassiosira gravida</i>	60	100	120	100		20	
<i>Thalassiosira nordenskioeldii</i>	40		80				
<i>Thalassiosira</i> sp.	80	60	1680	1760	60	40	
<i>Dictyocha speculum</i>	240	40	200	80	20		780
<i>Favella</i> sp.		20		20			
<i>Helicostomella</i> sp.	80	160					20

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 08- 23- 94 (cont'd)</b>							
<i>Mesodinium rubrum</i>	1200	760	1120	120	20		720
Tintinnids	340	160		280	40	40	160
<b>Date: 08- 30- 94</b>							
<i>Alexandrium fundyense</i>			40				
<i>Ceratium furca</i>		40					
<i>Ceratium fusus</i>							20
<i>Ceratium longipes</i>		40	80				20
<i>Ceratium minutum</i>	1440	640	3040	80			80
<i>Dinophysis acuminata</i>			240				40
<i>Dinophysis acuta</i>			40				20
<i>Dinophysis norvegica</i>			40	80			
<i>Dinophysis sp.</i>							20
<i>Dinophysis tripos</i>							20
<i>Gymnodinium sp.</i>	40	40	120				
<i>Gyrodinium aureolum</i>		40					
<i>Heterocapsa triquetra</i>		40					
<i>Prorocentrum micans</i>	80	40	120				
<i>Protoperidinium sp.</i>	240	200	160				40
<i>Scrippsiella trochoidea</i>	520	40	440				
Unarmoured dinoflagellate			120				
Unidentified dinoflagellate	40	480	720		20		680
<i>Actinoptychus senarius</i>			160	80			
<i>Asterionella sp.</i>					20		
<i>Cerataulina pelagica</i>							520
<i>Chaetoceros compressus</i>	280	240	560	200	140		40
<i>Chaetoceros constrictus</i>	600	520	640				20
<i>Chaetoceros debilis</i>	240	120	40	40			
<i>Chaetoceros decipiens</i>	80		440		80		
<i>Chaetoceros didymus</i>	40		40				
<i>Chaetoceros laciniosus</i>	40						
<i>Chaetoceros lorenzianus</i>	200	240	320	560			20
<i>Chaetoceros socialis</i>	4320	1320	2560	1200			
<i>Chaetoceros sp.</i>	3920	2720	2800	3120	580	200	80
<i>Chaetoceros subtilis</i>	40	40	120	80	40	20	
<i>Chaetoceros teres</i>			40				
<i>Corethron criophilum</i>	600	280	440	720	140	60	40
<i>Coscinodiscus sp.</i>			40				80
<i>Cylindrotheca closterium</i>	600		40	920	1720	240	100
<i>Dactyliosolen fragilissimus</i>			80				
<i>Ditylum brightwellii</i>	7040	5920	7600	5640	540	220	820
<i>Guinardia delicatula</i>	40		40	40	20		60
<i>Guinardia flaccida</i>			40				280
<i>Guinardia striata</i>	640	400	320	320	40		
<i>Lauderia annulata</i>	40						
<i>Leptocylindrus danicus</i>	40	40		40			
<i>Leptocylindrus minimus</i>	80		40		20		1240
<i>Navicula sp.</i>				40			
<i>Pleurosigma angulatum</i>					20		20
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>		40	160	320	20	100	
<i>Pseudo-nitzschia delicatissima</i> group	88128	73440	93024	137088	13740	4020	140
<i>Pseudo-nitzschia seriata</i> group	280	80	520	320	40		
<i>Pseudo-nitzschia sp.</i>					40		
<i>Rhizosolenia setigera</i>						20	

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 08- 30- 94 (cont'd)</b>							
<i>Skeletonema costatum</i>	60384	94656	137088	104448	24480	6060	980
<i>Stephanopyxis turris</i>	40		40	40			
<i>Thalassionema nitzschiooides</i>			80	120		20	500
<i>Thalassiosira angulata</i>	200	40	520				
<i>Thalassiosira auguste-lineata</i>	40	120		80			
<i>Thalassiosira baltica</i>	440	40	160				
<i>Thalassiosira gravida</i>	1960	1400	2560	1600	100	120	20
<i>Thalassiosira nordenskioeldii</i>	40	80	240				
<i>Thalassiosira rotula</i>			40				
<i>Thalassiosira sp.</i>	5720	5440	20880	42432	400	160	
<i>Triceratium alternans</i>			40	40			2040
<i>Dictyocha speculum</i>	280	40	200	160			
<i>Favella sp.</i>		40	40				
<i>Helicostomella sp.</i>	200	80	120				20
<i>Mesodinium rubrum</i>	1000	1720	280	40	20		1220
Tintinnids	240	480	680	160	20	40	380
<b>Date: 09- 06- 94</b>							
<i>Ceratium fusus</i>		40					
<i>Ceratium minutum</i>	1760	920					140
<i>Dinophysis acuminata</i>							20
<i>Dinophysis norvegica</i>		80					20
<i>Dinophysis sp.</i>							20
<i>Gyrodinium sp.</i>			120				
<i>Prorocentrum micans</i>	240	40					
<i>Protoperidinium oblongum</i>		80					
<i>Protoperidinium sp.</i>	80	120					
<i>Scrippsiella (-like)</i>	80	240					120
Unidentified dinoflagellate	160	160					
<i>Cerataulina pelagica</i>	400	120					400
<i>Chaetoceros compressus</i>	1360	800					
<i>Chaetoceros debilis</i>	320	400					
<i>Chaetoceros decipiens</i>	480	440					
<i>Chaetoceros didymus</i>		40					
<i>Chaetoceros lorenzianus</i>	2480	960					80
<i>Chaetoceros socialis</i>	1200	160					
<i>Chaetoceros sp.</i>	11200	5920					40
<i>Corethron criophilum</i>	1200	960					100
<i>Coscinodiscus sp.</i>	80						60
<i>Cylindrotheca closterium</i>	1120	400					60
<i>Dactyliosolen fragilissimus</i>	240	80					
<i>Ditylum brightwellii</i>	16240	11120					1660
<i>Guinardia delicatula</i>	160	160					220
<i>Guinardia flaccida</i>		40					460
<i>Guinardia striata</i>	5440	4360					
<i>Helicotheca tamesis</i>	160						
<i>Lauderia annulata</i>		40					
<i>Leptocylindrus danicus</i>	80						
<i>Leptocylindrus minimus</i>	80	160					540
<i>Licmophora abbreviata</i>	80						
<i>Navicula sp.</i>		40					
<i>Pleurosigma angulatum</i>							100
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	160	120					
<i>Pseudo-nitzschia delicatissima</i> group	62016	65280					320

ORGANISM	3	15	16	-0m	16-10m	16-25m	16-50m	17
<b>Date: 09- 06- 94 (cont'd)</b>								
<i>Pseudo-nitzschia seriata</i> group	1360	360						
<i>Rhabdonema</i> sp.		40						
<i>Rhizosolenia setigera</i>	240	40						
<i>Skeletonema costatum</i>	133824	99552						320
<i>Thalassionema nitzschiooides</i>	160	320						320
<i>Thalassiosira angulata</i>	640	160						
<i>Thalassiosira auguste-lineata</i>	80	80						
<i>Thalassiosira baltica</i>		80						20
<i>Thalassiosira gravida</i>	2640	1960						40
<i>Thalassiosira</i> sp.	10880	10120						
<i>Triceratium alternans</i>		40						
<i>Dictyocha speculum</i>	320	80						420
<i>Favella</i> sp.		40						
<i>Helicostomella</i> sp.	80	80						40
<i>Mesodinium rubrum</i>	80	320						1540
Tintinnids	320	600						660
Unidentified flagellate								140
<b>Date: 09- 13- 94</b>								
<i>Ceratium fusus</i>	20							
<i>Ceratium minutum</i>	460	120	440			40		160
<i>Dinophysis acuminata</i>	80		200					20
<i>Gymnodinium</i> sp.	100							
<i>Gyrodinium aureolum</i>			40					
<i>Prorocentrum micans</i>	140		40			40	40	100
<i>Protoperidinium</i> sp.	40		200	160				20
Unidentified dinoflagellate	200	160		40				60
<i>Actinoptychus senarius</i>					40		160	
<i>Biddulphia regia</i>					40			
<i>Cerataulina pelagica</i>	200							20
<i>Chaetoceros compressus</i>	160	120	120			40	40	
<i>Chaetoceros constrictus</i>		40	200					
<i>Chaetoceros debilis</i>	780	2280	4240	2080	1320	640		60
<i>Chaetoceros decipiens</i>			40		120	40		
<i>Chaetoceros didymus</i>		40		40				
<i>Chaetoceros laciniosus</i>	20	40	40					
<i>Chaetoceros lorenzianus</i>	380	440	240	520			120	40
<i>Chaetoceros socialis</i>	80	1320	4080	320	120	120		
<i>Chaetoceros</i> sp.	1960	7160	5760	3080	1240	1280		60
<i>Corethron criophilum</i>	240	120	320	360	320	320		80
<i>Coscinodiscus</i> sp.	40			120	40	80		40
<i>Cylindrotheca closterium</i>	160	360	40	600	320	440		120
<i>Dactyliosolen fragilissimus</i>			280	120		40		20
<i>Dactyliosolen</i> sp.				40				
<i>Ditylum brightwellii</i>	3820	2640	2720	1680	1760	1040	1420	
<i>Grammatophora marina</i>			40			40		
<i>Guinardia delicatula</i>	640	640	600	560	280	560	580	
<i>Guinardia flaccida</i>	200		400	40	40			140
<i>Guinardia striata</i>	8060	2960	4520	3880	2560	1080		460
<i>Gyrosigma littorale</i>	20					40		
<i>Gyrosigma tenuissimum</i>								
<i>Helicotheca tamesis</i>	20							
<i>Leptocylindrus danicus</i>	100	560		200				
<i>Leptocylindrus minimus</i>	260	160						160

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 09- 13- 94 (cont'd)</b>							
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	160	160	80	280	160	120	40
<i>Pleurosigma</i> sp.	20						
<i>Pseudo-nitzschia delicatissima</i> group	260	920	560	2520	1120	1480	220
<i>Pseudo-nitzschia seriata</i> group		160	200	480	240	120	
<i>Pseudo-nitzschia</i> sp.		40					
<i>Rhizosolenia setigera</i>	60				40		
<i>Skeletonema costatum</i>	3540	11560	14240	12720	11760	12800	340
<i>Stephanopyxis turris</i>		120	120	200	80		
<i>Thalassionema nitzschiooides</i>	1480	200	40	760	440	560	6880
<i>Thalassiosira auguste-lineata</i>	20		280	160	200	80	
<i>Thalassiosira gravida</i>	120	1120	1960	720	720	880	80
<i>Thalassiosira</i> sp.	120	880	1320	2960	640	840	40
<i>Triceratium alternans</i>	80			400	120	320	20
<i>Dictyocha speculum</i>	280	120	320	40	80	40	300
<i>Mesodinium rubrum</i>	1580	400	440				1340
Tintinnids	720	120		80	40	160	360
Unidentified flagellate		40					20
<b>Date: 09- 20- 94</b>							
<i>Ceratium fusus</i>	20	20					
<i>Ceratium minutum</i>	120	160	380	20	20		
<i>Ceratium</i> sp.			60	100			20
<i>Ceratium tripos</i>			20				
<i>Dinophysis acuminata</i>	20						
<i>Dinophysis hastata</i>		20					
<i>Gymnodinium</i> sp.	20		20				20
<i>Prorocentrum micans</i>	60		100	40			
<i>Protoperidinium</i> sp.	40	20	80	40			
<i>Scirpsiella trochoidea</i>	20			20			
Unarmoured dinoflagellate			40				
Unidentified dinoflagellate	80	20	400	100	60		40
<i>Actinoptychus senarius</i>	40	160			680	20	60
<i>Asterionella</i> sp.	20						
<i>Biddulphia regia</i>				20			
<i>Cerataulina pelagica</i>	40	60	20	20	20		20
<i>Chaetoceros compressus</i>	20		20	20	20		
<i>Chaetoceros debilis</i>	2300	3520	2420	1980	720	220	
<i>Chaetoceros decipiens</i>	60	100	100	40	80	20	
<i>Chaetoceros ingolfianus</i>				20			
<i>Chaetoceros lorenzianus</i>							20
<i>Chaetoceros socialis</i>	980	1260	1840	480	60		
<i>Chaetoceros</i> sp.	660	320	300	360	240	200	
<i>Corethron criophilum</i>	80		20		160	40	100
<i>Coscinodiscus</i> sp.	80	60	20	60		20	
<i>Cylindrotheca closterium</i>	80		40	100	300	120	20
<i>Dactyliosolen fragilissimus</i>	120		160	80			
<i>Dactyliosolen</i> sp.		60					
<i>Ditylum brightwellii</i>	240	180	220	200	320	140	300
<i>Guinardia delicatula</i>	1700	1460	2320	2480	1080	200	660
<i>Guinardia flaccida</i>	640	140	100	280	100	20	940
<i>Guinardia striata</i>	820	1140	4280	3060	540	260	120
<i>Gyrosigma fasciola</i>	20						
<i>Gyrosigma littorale</i>	20						
<i>Gyrosigma tenuissimum</i>	20						

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 09- 20- 94 (cont'd)</b>							
<i>Leptocylindrus danicus</i>	40	620	500				
<i>Leptocylindrus minimus</i>	240	100	40		40		460
<i>Navicula sp.</i>							20
<i>Odontella aurita</i>							20
<i>Pleurosigma angulatum</i>		20					
<i>Proboscia alata</i>				20			
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	80	20	140	120	100	60	
<i>Pseudo-nitzschia delicatissima</i> group	20	100	80	100	260	200	80
<i>Pseudo-nitzschia seriata</i> group	100	40	80	120	80	60	
<i>Rhizosolenia setigera</i>	60	40	80			20	20
<i>Skeletonema costatum</i>	520	80	20	160	260	840	60
<i>Stephanopyxis turris</i>	20	140	240	360	20		
<i>Thalassionema nitzschiooides</i>	3240	460	60	180	640	860	3820
<i>Thalassiosira angulata</i>		20					
<i>Thalassiosira auguste-lineata</i>	160	360	1200	1140	260	80	
<i>Thalassiosira baltica</i>				40			
<i>Thalassiosira gravida</i>	1440	3820	9700	10200	1080	160	
<i>Thalassiosira sp.</i>	40		20	80	400	360	
<i>Triceratium alternans</i>	20	20			60	100	
<i>Dictyocha speculum</i>	280	40	80	200	80		20
<i>Mesodinium rubrum</i>	380	60	1780	120	40		220
Tintinnids	260	40	260	120	60	80	180
Unidentified flagellate		20	180				
<b>Date: 09- 27- 94</b>							
<i>Alexandrium fundyense</i>		80	80				
<i>Ceratium fusus</i>		40	40				
<i>Ceratium lineatum</i>			1320	720			
<i>Ceratium minutum</i>	520	960	240		20		20
<i>Dinophysis acuminata</i>		80					
<i>Gymnodinium sp.</i>		40					
<i>Heterocapsa triquetra</i>	40		40				
<i>Prorocentrum micans</i>	80	200	40		20		20
<i>Protoperidinium sp.</i>		280	160	40			
<i>Scrippsiella trochoidea</i>	520	360	480				
Unidentified dinoflagellate	280	400	600	100	60		20
<i>Actinoprychus senarius</i>				340	340	500	
<i>Cerataulina pelagica</i>	200	120		120			
<i>Chaetoceros compressus</i>		80	120	240			
<i>Chaetoceros debilis</i>	7640	12240	1800	2540	500	500	20
<i>Chaetoceros decipiens</i>	40	80					
<i>Chaetoceros ingolfianus</i>	40	40		20			
<i>Chaetoceros lorenzianus</i>	120						
<i>Chaetoceros socialis</i>	320	4440	400	100		20	
<i>Chaetoceros sp.</i>	200	160	80	180	100	60	
<i>Corethron criophilum</i>	120		40	180	180		60
<i>Coscinodiscus sp.</i>		40	40	20	20	80	
<i>Cylindrotheca closterium</i>	80	40	80	260	520	340	20
<i>Dactyliosolen fragilissimus</i>	120		120	100	20	20	
<i>Ditylum brightwellii</i>	240	520	320	780	420	380	60
<i>Guinardia delicatula</i>	5080	880	320	2260	520	940	1220
<i>Guinardia flaccida</i>	80	120		80	20	80	1180
<i>Guinardia striata</i>	2080	960	800	1040	580	360	
<i>Gyrosigma fasciola</i>			40				

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 09- 27- 94 (cont'd)</b>							
<i>Lauderia annulata</i>				60			
<i>Leptocylindrus danicus</i>	400	280					
<i>Leptocylindrus minimus</i>				40	20	500	
<i>Navicula sp.</i>				60			
<i>Pleurosigma angulatum</i>				20		40	
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	40	80	140	80			
<i>Pseudo-nitzschia delicatissima</i> group	40	40	60	120	120		
<i>Pseudo-nitzschia seriata</i> group	80	280	260	40	120		
<i>Pseudo-nitzschia</i> sp.	40						
<i>Rhizosolenia imbricata</i>					20		
<i>Rhizosolenia setigera</i>		80	40				
<i>Skeletonema costatum</i>	120			80	120	260	160
<i>Stephanopyxis turris</i>	360	760	480	700	60	200	
<i>Thalassionema nitzschiooides</i>	800	160	160	280	260	300	120
<i>Thalassiosira angulata</i>				40			
<i>Thalassiosira auguste-lineata</i>	480	1600	1520	1320	400	560	
<i>Thalassiosira baltica</i>			40		20	20	
<i>Thalassiosira gravida</i>	10600	12160	11160	14440	3060	3760	40
<i>Thalassiosira</i> sp.	80			400	100		
<i>Triceratium alternans</i>				20		20	
<i>Brachionus</i> sp.					20		
<i>Dictyocha speculum</i>	120	40	160	20	60		240
<i>Mesodinium rubrum</i>	2080	760	1360	160	60		640
Tintinnids	760	560	360	20	60		20
Unidentified flagellate			40				40
<b>Date: 10- 04- 94</b>							
<i>Ceratium fusus</i>			80				
<i>Ceratium lineatum</i>	80					40	
<i>Ceratium minutum</i>	100	100	100				
<i>Dinophysis dens</i>	20						
<i>Prorocentrum micans</i>	60	20	40			20	
<i>Scrippsiella trochoidea</i>		40	40				
Unidentified dinoflagellate	40	140	40			60	
<i>Actinoptychus senarius</i>	160	140	240				
<i>Biddulphia regia</i>	40	20					
<i>Cerataulina pelagica</i>		80				60	
<i>Chaetoceros compressus</i>	20	20					
<i>Chaetoceros constrictus</i>			20				
<i>Chaetoceros debilis</i>	720	720	800			80	
<i>Chaetoceros decipiens</i>	40	20					
<i>Chaetoceros lorenzianus</i>		20	40				
<i>Chaetoceros socialis</i>		100					
<i>Chaetoceros</i> sp.	40	140	80			20	
<i>Corethron criophilum</i>			120	40		140	
<i>Coscinodiscus</i> sp.	20	80	20			20	
<i>Cylindrotheca closterium</i>	200	60	180			100	
<i>Dactyliosolen fragilissimus</i>		60	120			60	
<i>Ditylum brightwellii</i>	120	120	80			40	
<i>Guinardia delicatula</i>	5080	2400	4220			4040	
<i>Guinardia flaccida</i>	3440	960	4060			3740	
<i>Guinardia striata</i>	540	500	300			120	
<i>Leptocylindrus danicus</i>		180	40				
<i>Leptocylindrus minimus</i>	20	20				200	

ORGANISM	3	15	16	-0m	16-10m	16-25m	16-50m	17
<b>Date: 10- 04- 94 (cont'd)</b>								
<i>Odontella regia</i>	40	20						
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	80	20						40
<i>Pseudo-nitzschia delicatissima</i> group	140	40	120					
<i>Pseudo-nitzschia seriata</i> group	60	40	20					
<i>Pseudo-nitzschia</i> sp.		60						
<i>Skeletonema costatum</i>	60	20	40					60
<i>Stephanopyxis turris</i>	320	340	240					
<i>Thalassionema nitzschiooides</i>		60	60					160
<i>Thalassiosira angulata</i>			20					
<i>Thalassiosira auguste-lineata</i>	180	60	120					
<i>Thalassiosira baltica</i>	40		40					
<i>Thalassiosira gravida</i>	2680	2040	3000					220
<i>Dictyocha speculum</i>	60	20	40					80
<i>Mesodinium rubrum</i>	540	420	700					1120
Tintinnids	60	20	80					120
Unidentified flagellate	20	180	20					
<b>Date: 10- 17- 94</b>								
<i>Alexandrium fundyense</i>	20							
<i>Ceratium fusus</i>	20							
<i>Ceratium lineatum</i>	60	40						20
<i>Ceratium minutum</i>	20							
<i>Dinophysis acuminata</i>	20							
<i>Dinophysis</i> sp.	20							
<i>Prorocentrum micans</i>		20						
<i>Protoperidinium</i> sp.		20						20
<i>Scrippsiella trochoidea</i>		20						
Unidentified dinoflagellate	20	40						20
<i>Actinoptychus senarius</i>	400	560						180
<i>Cerataulina pelagica</i>	20	40						
<i>Chaetoceros compressus</i>	100	20						
<i>Chaetoceros debilis</i>	1220	2520						20
<i>Chaetoceros decipiens</i>	40							
<i>Chaetoceros lorenzianus</i>		20						
<i>Chaetoceros socialis</i>	100	80						
<i>Chaetoceros</i> sp.	160	80						20
<i>Corethron criophilum</i>	240	200						100
<i>Coscinodiscus</i> sp.	60	80						
<i>Cylindrotheca closterium</i>	820	380						260
<i>Dactyliosolen fragilissimus</i>	120	140						
<i>Ditylum brightwellii</i>	160	360						40
<i>Guinardia delicatula</i>	780	660						40
<i>Guinardia flaccida</i>		360						
<i>Guinardia striata</i>	600	1000						80
<i>Gyrosigma fasciola</i>								20
<i>Gyrosigma</i> sp.	20							
<i>Helicotheca tamesis</i>								40
<i>Lauderia annulata</i>		20						
<i>Leptocylindrus minimus</i>	40	60						40
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>		160						
<i>Pseudo-nitzschia delicatissima</i> group	160	240						20
<i>Pseudo-nitzschia seriata</i> group	300	460						
<i>Rhizosolenia setigera</i>	40							
<i>Skeletonema costatum</i>	60							120

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 10- 17- 94 (cont'd)</b>							
<i>Stephanopyxis turris</i>	60	40					
<i>Thalassionema nitzschiooides</i>	120	100					20
<i>Thalassiosira auguste-lineata</i>	40	40					60
<i>Thalassiosira gravida</i>	1660	4760					100
<i>Thalassiosira sp.</i>	60	40					20
<i>Triceratium alternans</i>	20	20					
<i>Dictyocha speculum</i>	100	60					40
<i>Mesodinium rubrum</i>	260	200					1520
Tintinnids	80	40					620
<b>Date: 11- 17- 94</b>							
<i>Ceratium minutum</i>			20				60
<i>Dinophysis fortii</i>			20				
<i>Prorocentrum micans</i>	40	20				20	240
<i>Protoperidinium sp.</i>		20	20				
Unidentified dinoflagellate					20		40
<i>Actinoptychus senarius</i>	600	540	140	340	320	460	60
<i>Chaetoceros debilis</i>							20
<i>Corethron criophilum</i>	20	20	20	20		20	
<i>Coscinodiscus sp.</i>	20			40	100		
<i>Cylindrotheca closterium</i>	180	140	160	180	260	200	20
<i>Ditylum brightwellii</i>				20		20	
<i>Guinardia delicatula</i>	20						
<i>Gyrosigma fasciola</i>						20	
<i>Gyrosigma tenuissimum</i>						20	
<i>Navicula sp.</i>	20		20	20	60	20	
<i>Pleurosigma angulatum</i>			20	60		60	
<i>Pseudo-nitzschia delicatissima</i> group					40		
<i>Skeletonema costatum</i>	180	180	60	60	60	100	
<i>Thalassionema nitzschiooides</i>	40	120	60	180	60	100	20
<i>Thalassiosira auguste-lineata</i>		20					
<i>Thalassiosira sp.</i>		20					60
<i>Triceratium alternans</i>	40			20	20	20	
<i>Dictyocha speculum</i>	120	100	100	80	40		1260
<i>Mesodinium rubrum</i>	280	40	540	40	20	20	180
Tintinnids	20	40			20		

ORGANISM	3	15	16 -0m	16-10m	16-25m	16-50m	17
<b>Date: 12- 13- 94</b>							
<i>Prorocentrum micans</i>		20		20			60
<i>Protoperidinium sp.</i>	40						
<i>Actinoptychus senarius</i>	160		380	200	100	260	240
<i>Corethron criophilum</i>				20	20	40	
<i>Cylindrotheca closterium</i>	60	80	40	280	140	40	40
<i>Ditylum brightwellii</i>	80	160	60	240	100	120	60
<i>Fragilaria sp.</i>	80	60	20				20
<i>Guinardia delicatula</i>		80		20			
<i>Gyrosigma fasciola</i>				20			
<i>Licmophora abbreviata</i>			20				20
<i>Navicula sp.</i>		20			60	20	
<i>Odontella regia</i>			20				
<i>Pleurosigma angulatum</i>			40		20		
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>				20	20	20	
<i>Pseudo-nitzschia delicatissima</i> group		80	20	60	20	40	
<i>Rhizosolenia setigera</i>						20	
<i>Skeletonema costatum</i>	60	20	80	40	40	60	
<i>Stephanopyxis turris</i>			20		20		
<i>Thalassionema nitzschiooides</i>	20			20	60		20
<i>Thalassiosira angulata</i>			40				
<i>Thalassiosira sp.</i>	20		20	20	20	80	60
<i>Dicyochara speculum</i>	20			20			
<i>Mesodinium rubrum</i>	120	140	140	20	60	80	1260
Tintinnids	20		20		20		180

ORGANISM	3	15	16-0m	16-	10m	16-	25m	16-	50m	17
<b>Date: 01- 26- 95</b>										
<i>Ceratium lineatum</i>										20
<i>Ceratium longipes</i>										
Unidentified dinoflagellate			20		20					
<i>Actinoptychus senarius</i>			100			80		180		
<i>Asterionella sp.</i>					20		20			
<i>Chaetoceros decipiens</i>									40	
<i>Chaetoceros sp.</i>					20					
<i>Corethron criophilum</i>					20					
<i>Coscinodiscus sp.</i>	60			40				60		
<i>Cylindrotheca closterium</i>	120			80		20		140		
<i>Ditylum brightwellii</i>	40			100		60		40		60
<i>Grammatophora marina</i>										40
<i>Guinardia delicatula</i>				60		40		20		
<i>Leptocylindrus minimus</i>	60									
<i>Navicula sp.</i>	20					20		20		20
<i>Pleurosigma angulatum</i>					40		20			
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>					20			20		
<i>Pseudo-nitzschia delicatissima</i> group	40	40	220		60		60	60		20
<i>Rhabdonema sp.</i>										40
<i>Rhizosolenia setigera</i>			20		40					
<i>Skeletonema costatum</i>	20	120	260		320		20	160		40
<i>Thalassiosira auguste-lineata</i>				20						
<i>Thalassiosira sp.</i>			20				40		40	
<i>Dictyocha speculum</i>				40						
<i>Mesodinium rubrum</i>				140						320
<i>Notholca sp.</i>	20									20
Tintinnids	20			20						220
<b>Date: 02- 27- 95</b>										
<i>Ceratium fusus</i>					20					
Unidentified dinoflagellate							40			
<i>Chaetoceros decipiens</i>								20		
<i>Chaetoceros sp.</i>		20						20		20
<i>Corethron criophilum</i>	20	20				20		20		20
<i>Coscinodiscus sp.</i>				20						
<i>Cylindrotheca closterium</i>	140	40		100		80		120		180
<i>Ditylum brightwellii</i>	80	20		20		40		80		20
<i>Guinardia delicatula</i>	40	80						20		120
<i>Gyrosigma fasciola</i>		20						20		
<i>Licmophora abbreviata</i>	20									
<i>Navicula sp.</i>	60					20			40	
<i>Odontella aurita</i>					40			20		
<i>Pleurosigma angulatum</i>							20			
<i>Pseudo-nitzschia delicatissima</i> group	60	20		100		120		80		40
<i>Rhizosolenia setigera</i>		20								
<i>Skeletonema costatum</i>	120	300		200		220		220		120
<i>Thalassiosira nordenskioeldii</i>	20									
<i>Thalassiosira sp.</i>	20	20				40				
<i>Dictyocha speculum</i>	20	20				20		20		60
Tintinnids					20			20		60

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 03- 20- 95</b>							
<i>Dinophysis sp.</i>					20		
<i>Protoperidinium sp.</i>		40					
Unarmoured dinoflagellate		40	20				
Unidentified dinoflagellate	40	120	40	80			20
<i>Chaetoceros ingolfianus</i>					20		80
<i>Chaetoceros sp.</i>	20		20		20		80
<i>Coscinodiscus sp.</i>			20	20		100	40
<i>Cylindrotheca closterium</i>				20	100	100	20
<i>Ditylum brightwellii</i>			20	20	40	100	
<i>Guinardia delicatula</i>	20	60		40	80		20
<i>Leptocylindrus minimus</i>					20		
<i>Melosira sp.</i>						20	
<i>Navicula sp.</i>		20	40		60	80	40
<i>Pleurosigma angulatum</i>	20				20		20
<i>Pseudo-nitzschia delicatissima</i> group	80	20	20	20	20	20	40
<i>Rhizosolenia setigera</i>		20	20			60	
<i>Skeletonema costatum</i>	20			40		260	40
<i>Thalassionema nitzschiodes</i>						80	
<i>Thalassiosira auguste-lineata</i>		20	40	80	80		40
<i>Thalassiosira gravida</i>		20		40	60		
<i>Thalassiosira nordenskioeldii</i>	20	20	20		40	20	100
<i>Thalassiosira sp.</i>				20	20	20	120
<i>Dictyocha speculum</i>	20	20	80	40	20		
<i>Mesodinium rubrum</i>	60		300	160			860
Tintinnids	60		20	40			140
<b>Date: 04- 17- 95</b>							
<i>Alexandrium fundyense</i>			20				
<i>Ceratium longipes</i>		20					
<i>Heterocapsa triquetra</i>			20	20			
<i>Peridinium limbatum</i>	20			20			
<i>Protoperidinium sp.</i>	20		40	120			
<i>Scrippsiella trochoidea</i>		40		20			20
Unarmoured dinoflagellate		20	60	80			
Unidentified dinoflagellate	20	40	40		140		40
<i>Chaetoceros compressus</i>	20						
<i>Chaetoceros debilis</i>					40		60
<i>Chaetoceros ingolfianus</i>					20		
<i>Chaetoceros sp.</i>	340	80	20	40	60		340
<i>Chaetoceros teres</i>	20			20			
<i>Coscinodiscus sp.</i>	40		40		40		
<i>Cylindrotheca closterium</i>	20			40	40	60	20
<i>Ditylum brightwellii</i>		20			20		
<i>Guinardia delicatula</i>	60					60	
<i>Melosira ambigua</i>					60		40
<i>Melosira sp.</i>	60					20	
<i>Navicula sp.</i>	60					40	
<i>Odontella aurita</i>	40						
<i>Pleurosigma angulatum</i>	40						
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>						20	
<i>Porosira glacialis</i>			20				
<i>Pseudo-nitzschia delicatissima</i> group	20	40		40		40	
<i>Pseudo-nitzschia seriata</i> group	20				20	140	20
<i>Skeletonema costatum</i>	60	60			100	140	

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 04- 17- 95 (cont'd)</b>							
<i>Thalassiosira angulata</i>		40			20	20	
<i>Thalassiosira gravida</i>	20	20			20	40	80
<i>Thalassiosira nordenskioeldii</i>	500	380	20	20		120	1240
<i>Thalassiosira sp.</i>	100		20	140	60	60	20
<i>Dictyocha speculum</i>		20	60	20	20	20	
<i>Mesodinium rubrum</i>	140	400	160	440	20		100
<i>Notholca sp.</i>							40
<i>Ptychocylis sp.</i>				40			
Tintinnids				280			40
Unidentified flagellate				20			
<b>Date: 05- 10- 95</b>							
<i>Alexandrium fundyense</i>		20			40		
<i>Alexandrium fundyense</i> (duplet)					20		
<i>Amylax triacantha</i>							40
<i>Peridinium limbatum</i>				20		20	
<i>Protoperidinium sp.</i>							80
Unidentified dinoflagellate	60	160		80	20		160
<i>Achnanthes sp.</i>			20				
<i>Chaetoceros compressus</i>	20			40	100		40
<i>Chaetoceros debilis</i>							
<i>Chaetoceros decipiens</i>	20	20			20		
<i>Chaetoceros furcellatus</i>	100	40	700	2140	1820	180	6760
<i>Chaetoceros ingolfianus</i>			80	800	40		200
<i>Chaetoceros sp.</i>	280	180	880	1200	360	80	4920
<i>Chaetoceros teres</i>				20			40
<i>Coscinodiscus sp.</i>		80		40			
<i>Cylindrotheca closterium</i>	20	40			40	40	
<i>Dactyliosolen fragilissimus</i>		20	20	20			
<i>Ditylum brightwellii</i>	20	120		40	80		
<i>Fragilaria sp.</i>			20				
<i>Guinardia delicatula</i>		20	20				20
<i>Leptocylindrus minimus</i>	20	20	20				
<i>Licmophora abbreviata</i>			20				
<i>Melosira ambigua</i>		20	20				
<i>Navicula sp.</i>	20			20	20	20	160
<i>Odontella aurita</i>			20				
<i>Pleurosigma angulatum</i>	20						
<i>Porosira glacialis</i>			60				
<i>Pseudo-nitzschia delicatissima</i> group	340	200		120	80	60	
<i>Pseudo-nitzschia seriata</i> group	20	20	80		20	20	120
<i>Rhizosolenia setigera</i>	20						
<i>Skeletonema costatum</i>	80	160	20		20	60	
<i>Stephanopyxis turris</i>				60			
<i>Thalassionema nitzschiodes</i>	20	80					
<i>Thalassiosira angulata</i>	180		240	380	160		360
<i>Thalassiosira auguste-lineata</i>		20		20		60	
<i>Thalassiosira gravida</i>			20	40		20	
<i>Thalassiosira nordenskioeldii</i>	1160	280	4060	6680	2240	520	16440
<i>Thalassiosira sp.</i>	720	340	920	1680	420		680
<i>Dictyocha speculum</i>	40						
<i>Mesodinium rubrum</i>		360		260			600
<i>Ptychocylis sp.</i>							40
Tintinnids				20	60	20	160

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 05- 23- 95</b>							
<i>Alexandrium fundyense</i>	180	520	60				480
<i>Alexandrium fundyense</i> (duplet)	20	40	20				20
<i>Alexandrium fundyense</i> (triplet)		20					
<i>Ceratium longipes</i>	40	40	40				
<i>Ceratium sp.</i>		20					20
<i>Dinophysis sp.</i>							
<i>Heterocapsa triquetra</i>	60	260	240				40
<i>Protoperidinium sp.</i>	100	340	40				40
<i>Scrippsiella trochoidea</i>	40	100					100
Unarmoured dinoflagellate		100	60				60
Unidentified dinoflagellate	240	320	380	20	20	20	140
<i>Chaetoceros compressus</i>							60
<i>Chaetoceros debilis</i>		80	60				60
<i>Chaetoceros decipiens</i>			40				60
<i>Chaetoceros diadema</i>					20		
<i>Chaetoceros furcellatus</i>				80	80	80	2040
<i>Chaetoceros ingolfianus</i>			20	20			340
<i>Chaetoceros laciniatosus</i>	60						
<i>Chaetoceros sp.</i>	80	60	80		20		9140
<i>Chaetoceros subtilis</i>							20
<i>Chaetoceros teres</i>							20
<i>Coscinodiscus sp.</i>		40		40	40	40	40
<i>Cylindrotheca closterium</i>	20		40	20	40	20	
<i>Detonula pumila</i>		60					
<i>Ditylum brightwellii</i>	20			20	20		
<i>Guinardia delicatula</i>		20	20				
<i>Gyrosigma fasciola</i>	40						
<i>Leptocylindrus danicus</i>			100				
<i>Leptocylindrus minimus</i>		40		20		20	
<i>Melosira ambigua</i>		20	40		20	20	
<i>Navicula sp.</i>				120	20	20	20
<i>Pseudo-nitzschia delicatissima</i> group	240	280	660	80	20		120
<i>Pseudo-nitzschia seriata</i> group					40	40	60
<i>Rhabdonema sp.</i>		20					
<i>Skeletonema costatum</i>	40		220	80	40	80	
<i>Stephanopyxis turris</i>			60	40			60
<i>Thalassionema nitzschioides</i>				20	20		
<i>Thalassiosira angulata</i>	20	260	920	40	20	40	200
<i>Thalassiosira gravida</i>		40	20				20
<i>Thalassiosira nordenskioeldii</i>	100	1540	4880	260	460	140	3300
<i>Thalassiosira sp.</i>	80	660	700	160	100	100	260
<i>Dictyocha speculum</i>	20	20	40				20
<i>Mesodinium rubrum</i>	1020	720	220	100	120		3200
<i>Parafavella sp.</i>		20					
Tintinnids	520	500	40				280
Unidentified flagellate	40						
<b>Date: 06- 06- 95</b>							
<i>Alexandrium fundyense</i>	240	320	420				540
<i>Alexandrium fundyense</i> (duplet)		40	60				40
<i>Ceratium lineatum</i>		40					
<i>Ceratium sp.</i>			20				
<i>Dinophysis acuminata</i>					40		
<i>Dinophysis norvegica</i>			20				

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 06-06-95 (cont'd)</b>							
<i>Heterocapsa triquetra</i>	160	80	80				20
<i>Protoperidinium sp.</i>		40	100				100
<i>Scrippsiella trochoidea</i>		40	80				40
Unidentified dinoflagellate	200	280	80	120			400
<i>Chaetoceros altanticus</i>			20				
<i>Chaetoceros compressus</i>	80	120	80	80			60
<i>Chaetoceros debilis</i>	40	160	200	320	160	20	380
<i>Chaetoceros decipiens</i>	160	160	240	440	100		
<i>Chaetoceros diadema</i>					20	20	
<i>Chaetoceros didymus</i>				40			
<i>Chaetoceros furcellatus</i>			20				
<i>Chaetoceros ingolfianus</i>	80	40	20				240
<i>Chaetoceros laciniosus</i>		40	20				60
<i>Chaetoceros sp.</i>	520	1200	540	400	100		440
<i>Chaetoceros subtilis</i>	40						
<i>Chaetoceros teres</i>							100
<i>Coscinodiscus sp.</i>					60	40	
<i>Cylindrotheca closterium</i>	160	40		160	160	140	140
<i>Dactyliosolen fragilissimus</i>			20	80		40	80
<i>Detonula pumila</i>	40						
<i>Ditylum brightwellii</i>	80	240	140	320	360	200	20
<i>Eucampia zodiacus</i>					20		
<i>Fragilaria sp.</i>				20			
<i>Guinardia delicatula</i>	40	200	240	280	40	60	80
<i>Leptocylindrus danicus</i>							500
<i>Leptocylindrus minimus</i>		40		40	40		100
<i>Licmophora abbreviata</i>		40					
<i>Navicula sp.</i>				40		40	20
<i>Odontella aurita</i>				40			
<i>Pleurosigma angulatum</i>					20		
<i>Pleurosigma sp.</i>							40
<i>Porosira glacialis</i>	200	320	180				20
<i>Pseudo-nitzschia delicatissima</i> group	9440	25800	63648	16480	900	300	1760
<i>Pseudo-nitzschia seriata</i> group	40	40	100	240		40	440
<i>Rhizosolenia hebetata</i>		40	20				
<i>Skeletonema costatum</i>	880	3040	1020	1240	260	520	
<i>Stephanopyxis turris</i>	120	40	180	840	160	100	100
<i>Thalassionema nitzschiodes</i>					20	20	
<i>Thalassiosira angulata</i>		5680	1680	5000	2820	860	340
<i>Thalassiosira auguste-lineata</i>				160			
<i>Thalassiosira gravida</i>	40	120		40	40		
<i>Thalassiosira nordenskioeldii</i>	10080	21160	10440	14000	7820	1480	
<i>Thalassiosira sp.</i>	3320	80	40	760	600	600	40
<i>Dictyocha speculum</i>			20				20
<i>Helicostomella sp.</i>							340
<i>Mesodinium rubrum</i>	440	40	680	40			2840
<i>Notholca sp.</i>					20		
Tintinnids	40	80	260	80	80	60	2320

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 06- 13- 95</b>							
<i>Alexandrium fundyense</i>	360	1840	480	40			20
<i>Alexandrium fundyense</i> (duplet)			40				
<i>Ceratium arcticum</i>				40			
<i>Ceratium lineatum</i>						20	
<i>Ceratium sp.</i>		20	40				
<i>Ceratium tripos</i>			40				
<i>Dinophysis norvegica</i>							20
<i>Heterocapsa triquetra</i>		180	80				
<i>Protoperidinium sp.</i>		80	400				20
<i>Scrippsiella trochoidea</i>	120	340	240				
Unarmoured dinoflagellate		100	240				
Unidentified dinoflagellate	160	260	760	160			
<i>Asterionella sp.</i>						40	
<i>Chaetoceros altanticus</i>					20		
<i>Chaetoceros compressus</i>	40				20		
<i>Chaetoceros debilis</i>	680	20	320	720	280	40	180
<i>Chaetoceros decipiens</i>	240	100	160	120			
<i>Chaetoceros ingolfianus</i>				200			
<i>Chaetoceros laciniosus</i>	40	80					
<i>Chaetoceros sp.</i>	640	100	120	360	60	40	100
<i>Chaetoceros teres</i>				40	20		
<i>Coscinodiscus sp.</i>					100	40	
<i>Cylindrotheca closterium</i>		40		280	40	120	100
<i>Dactyliosolen fragilissimus</i>	120	40	40		20	40	
<i>Detonula pumila</i>	80		320				20
<i>Ditylum brightwellii</i>	200	20	80	240	200	180	
<i>Eucampia zodiacus</i>					40		20
<i>Guinardia delicatula</i>	600	240	280	200	60	20	560
<i>Leptocylindrus danicus</i>	200	20	40	360	60		540
<i>Leptocylindrus minimus</i>	40	40		40	40	40	200
<i>Melosira ambigua</i>				80	80	20	
<i>Navicula sp.</i>	160					20	40
<i>Pleurosigma angulatum</i>							60
<i>Porosira glacialis</i>	40	40	120	160	40		
<i>Pseudo-nitzschia delicatissima</i> group	66912	104448	110976	55488	16320	1320	600
<i>Pseudo-nitzschia seriata</i> group	760	100	40	280	60		1340
<i>Rhizosolenia hebetata</i>							60
<i>Skeletonema costatum</i>	2560	1340	1440	3000	660	580	20
<i>Stephanopyxis turris</i>	80	20	120	400	120		
<i>Thalassionema nitzschioides</i>	40				40	80	
<i>Thalassiosira angulata</i>	12240	3360	3640	7480	3920	360	100
<i>Thalassiosira gravida</i>			160				
<i>Thalassiosira nordenskioeldii</i>	3520	120		40	20	60	
<i>Thalassiosira sp.</i>		100		120	100	460	
<i>Brachionus sp.</i>	40						20
<i>Dictyocha speculum</i>				40			
<i>Helicostomella sp.</i>			80				
<i>Mesodinium rubrum</i>	1480	240	6400	40			1140
<i>Ptychocylis sp.</i>				80			
Tintinnids	160	160	560	80	160	60	660

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 06- 21- 95</b>							
<i>Alexandrium fundyense</i>	220	1700	480	100			8060
<i>Alexandrium fundyense</i> (duplet)	20						320
<i>Alexandrium fundyense</i> (triplet)							20
<i>Amylax triacantha</i>							20
<i>Ceratium lineatum</i>			40				
<i>Ceratium longipes</i>		40	40				
<i>Ceratium sp.</i>			40	20			
<i>Dinophysis acuminata</i>	40			100			
<i>Dinophysis acuta</i>							20
<i>Dinophysis sp.</i>				40			20
<i>Gymnodinium sp.</i>					40		
<i>Heterocapsa triquetra</i>	40	200	320				3540
<i>Protoperidinium depressum</i>				40			
<i>Protoperidinium sp.</i>	80	240	200	60			100
<i>Scrippsiella trochoidea</i>	20	320	60	40			460
Unarmoured dinoflagellate		40	160	200	40		
Unidentified dinoflagellate	20	240	80	240	60		
<i>Cerataulina pelagica</i>				20			
<i>Chaetoceros constrictus</i>					20		
<i>Chaetoceros debilis</i>	160			120	240		
<i>Chaetoceros decipiens</i>	40			40	60	20	
<i>Chaetoceros sp.</i>	60	40		60	100	40	
<i>Chaetoceros teres</i>				20			
<i>Coscinodiscus sp.</i>	20		80	40	60	100	20
<i>Cylindrotheca closterium</i>	100	100	40	360	620	320	320
<i>Dactyliosolen fragilissimus</i>		160	20	140	80	40	80
<i>Ditylum brightwellii</i>	40				140	40	
<i>Guinardia delicatula</i>	1320	440	760	1380	360	80	6380
<i>Leptocylindrus danicus</i>	120			40			20
<i>Leptocylindrus minimus</i>	400	60	20	140	40	40	120
<i>Navicula sp.</i>	20				60	40	20
<i>Pleurosigma angulatum</i>	20			20			
<i>Porosira glacialis</i>		80	100				20
<i>Pseudo-nitzschia delicatissima</i> group	7320	800	60	1060	7940	3940	1820
<i>Pseudo-nitzschia seriata</i> group	600	560	240	1300	380	180	1520
<i>Rhizosolenia hebetata</i>				60			80
<i>Rhizosolenia setigera</i>		20					20
<i>Rhizosolenia setigera</i>				20			
<i>Skeletonema costatum</i>	20	20		40	120	440	
<i>Stephanopyxis turris</i>						40	
<i>Thalassionema nitzschiodes</i>					20	20	
<i>Thalassiosira angulata</i>	20				840	40	
<i>Thalassiosira auguste-lineata</i>			80	40	80		
<i>Thalassiosira gravida</i>	20						
<i>Thalassiosira nordenskioeldii</i>							20
<i>Thalassiosira sp.</i>				20	520	260	
<i>Dictyocha speculum</i>		40	80	20			80
<i>Helicostomella sp.</i>				20			20
<i>Mesodinium rubrum</i>	360	600	480	700			3260
<i>Notholca sp.</i>		20					
Tintinnids	20	1600	40	140	80		560
Unidentified flagellate		660	40	380			

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 06- 27- 95</b>							
<i>Alexandrium fundyense</i>	1820	1400	2360	500			4300
<i>Alexandrium fundyense</i> (duplet)	60	80		40			120
<i>Alexandrium fundyense</i> (triplet)							20
<i>Amylax triacantha</i>				20			60
<i>Ceratium lineatum</i>				40			
<i>Ceratium longipes</i>		40		60			
<i>Ceratium sp.</i>					20		
<i>Ceratium tripos</i>		20					
<i>Dinophysis acuminata</i>	80	80		120			20
<i>Dinophysis acuta</i>		20					
<i>Dinophysis norvegica</i>	20						20
<i>Dinophysis sp.</i>	20						
<i>Gonyaulax digitale</i>							20
<i>Gonyaulax spinifera</i>			40				40
<i>Gymnodinium sp.</i>				40			
<i>Heterocapsa triquetra</i>	300	180		400			720
<i>Minuscula bipes</i>				20			
<i>Protoperidinium depressum</i>		20					
<i>Protoperidinium sp.</i>	60	280	20				300
<i>Scrippsiella trochoidea</i>	200	220	1500	180		20	740
Unarmoured dinoflagellate	20	400		340		20	40
Unidentified dinoflagellate	540	40	100	1200	160	20	60
<i>Achnanthes sp.</i>							20
<i>Chaetoceros compressus</i>						20	
<i>Chaetoceros debilis</i>	60	20			20	40	
<i>Chaetoceros decipiens</i>						40	
<i>Chaetoceros furcellatus</i>							20
<i>Chaetoceros sp.</i>	40					40	
<i>Coscinodiscus sp.</i>	20	120	80	80	40	160	80
<i>Cylindrotheca closterium</i>	180	20	140	420	780	360	400
<i>Detonula pumila</i>							20
<i>Ditylum brightwellii</i>				20		40	
<i>Eucampia zodiacus</i>	20			40			
<i>Guinardia delicatula</i>	840	220	1060	1260	1060	300	20440
<i>Gyrosigma littorale</i>							20
<i>Leptocylindrus danicus</i>				20			
<i>Leptocylindrus minimus</i>	60		40		40	20	300
<i>Navicula sp.</i>	40	20			20		20
<i>Pleurosigma angulatum</i>		20					
<i>Porosira glacialis</i>			20				20
<i>Pseudo-nitzschia delicatissima</i> group	320		20	220	2340	5500	200
<i>Pseudo-nitzschia seriata</i> group	80		60	60	220	40	3320
<i>Rhizosolenia hebetata</i>		80					
<i>Rhizosolenia imbricata</i>	20				20		
<i>Rhizosolenia setigera</i>					20		
<i>Skeletonema costatum</i>	20		20		140	120	
<i>Thalassionema nitzschioides</i>	20				20		
<i>Thalassiosira angulata</i>					20	40	40
<i>Thalassiosira auguste-lineata</i>	60				20		
<i>Thalassiosira gravida</i>							
<i>Thalassiosira sp.</i>						80	
<i>Dictyocha speculum</i>	20	200	40	40	60		100
<i>Helicostomella sp.</i>		20					80

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 06- 27- 95 (cont'd)</b>							
<i>Mesodinium rubrum</i>	1400	360	240	920	60		2820
<i>Parafavella sp.</i>	120			80			
Tintinnids	560	340	40	400	160	40	4800
<b>Date: 07- 05- 95</b>							
<i>Alexandrium fundyense</i>	7840	200	6380	20			2140
<i>Alexandrium fundyense</i> (duplet)	600	20	440				
<i>Alexandrium fundyense</i> (fusing)			60				
<i>Alexandrium fundyense</i> (planozygote)	80						
<i>Alexandrium fundyense</i> (triplet)	20		40				
<i>Amylax triacantha</i>							20
<i>Ceratium fusus</i>				40			
<i>Ceratium longipes</i>	280	40	40		40		
<i>Ceratium sp.</i>				40			
<i>Ceratium tripos</i>	20						
<i>Dinophysis acuminata</i>	300	220	120	420			40
<i>Dinophysis acuta</i>				20			
<i>Dinophysis norvegica</i>	40	20	20				
<i>Dinophysis pulchella</i>	20						
<i>Dinophysis sp.</i>			20	40			
<i>Gonyaulax digitale</i>							20
<i>Gonyaulax spinifera</i>	40						
<i>Heterocapsa triquetra</i>	1380	60	400				280
<i>Protoperdinium depressum</i>		20	20				
<i>Protoperdinium sp.</i>	220	140	200	100	20		220
<i>Scrippsiella trochoidea</i>	1100	60	540				320
Unarmoured dinoflagellate	260	140	40	20			60
Unidentified dinoflagellate	260	20	120	20	100		100
<i>Cerataulina pelagica</i>							60
<i>Chaetoceros decipiens</i>				20	20		
<i>Chaetoceros sp.</i>	40	20	20	20	20	60	
<i>Coscinodiscus sp.</i>	40	40	20	40	80	60	120
<i>Cylindrotheca closterium</i>	60		40	40	480	400	140
<i>Ditylum brightwellii</i>				40	220	20	
<i>Guinardia delicatula</i>	2280	880	2520	860	320	620	143616
<i>Leptocylindrus minimus</i>	40				20		80
<i>Navicula sp.</i>		20					20
<i>Pleurosigma angulatum</i>							40
<i>Porosira glacialis</i>	20						20
<i>Pseudo-nitzschia delicatissima</i> group		20			100	440	60
<i>Pseudo-nitzschia seriata</i> group	20		100		40		760
<i>Rhizosolenia imbricata</i>							60
<i>Skeletonema costatum</i>							80
<i>Thalassionema nitzschiodes</i>							20
<i>Thalassiosira angulata</i>	20						
<i>Thalassiosira sp.</i>						40	20
<i>Brachionus sp.</i>			20				
<i>Dictyocha speculum</i>	160	40	80	160			100
<i>Helicostomella sp.</i>	260		100				
<i>Mesodinium rubrum</i>	2500	720	2580	4440	20		6100
<i>Notholca sp.</i>	60						
<i>Ptychocylis sp.</i>			20				
Tintinnids	340	180	540	460	40		640
Unidentified flagellate	80						

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 07- 12- 95</b>							
<i>Alexandrium fundyense</i>	7900	5620	5900	420	60	20	100
<i>Alexandrium fundyense</i> (duplet)	160	140	300	60			20
<i>Alexandrium fundyense</i> (planozygote)	300	240	180	20	20	20	
<i>Amylax triacantha</i>	20	20					
<i>Ceratium lineatum</i>		20					
<i>Ceratium longipes</i>	60	120	40				
<i>Ceratium sp.</i>			60	60			
<i>Ceratium tripos</i>	20	40	20				
<i>Dinophysis acuminata</i>	240	360	40			20	
<i>Dinophysis norvegica</i>	120	40					
<i>Dinophysis sp.</i>			20	20			
<i>Gonyaulax digitale</i>			20				
<i>Gymnodinium sp.</i>					20		
<i>Heterocapsa triquetra</i>	660	820	180			20	60
<i>Protoperidinium sp.</i>	120	140	20	120	40		
<i>Scrippsiella trochoidea</i>	600	300	360			20	20
Unarmoured dinoflagellate		60		20			20
Unidentified dinoflagellate	140	260	160	140	60		120
<i>Cerataulina pelagica</i>	40						
<i>Chaetoceros sp.</i>		20	20				
<i>Coscinodiscus sp.</i>	20	20					20
<i>Cylindrotheca closterium</i>	160	140	40	220	600	400	20
<i>Dactyliosolen fragilissimus</i>					20	20	
<i>Ditylum brightwellii</i>				20		40	
<i>Fragilaria sp.</i>	20						
<i>Guinardia delicatula</i>	17280	7000	8720	5900	9020	2460	359040
<i>Leptocylindrus minimus</i>	80			20			180
<i>Melosira sp.</i>	20						
<i>Navicula sp.</i>	60	40		20		40	60
<i>Pleurosigma angulatum</i>	20	20					60
<i>Pseudo-nitzschia delicatissima</i> group	20	40		20	60	20	20
<i>Pseudo-nitzschia seriata</i> group	20	20	20	80	60	20	340
<i>Pseudo-nitzschia sp.</i>					20		
<i>Rhizosolenia hebetata</i>	20					20	40
<i>Rhizosolenia imbricata</i>							20
<i>Rhizosolenia setigera</i>							20
<i>Thalassionema nitzschioides</i>					20	40	
<i>Brachionus sp.</i>		20					
<i>Dictyocha speculum</i>	80	60	100				80
<i>Favella sp.</i>	20						
<i>Helicostomella sp.</i>	280	640	40	40			20
<i>Mesodinium rubrum</i>	1380	2080	360	660	40	40	5680
<i>Notholca sp.</i>		60	40				40
Tintinnids	260	400	120	180	40	20	260
Unidentified flagellate	400	80	120				
<b>Date: 07- 19- 95</b>							
<i>Alexandrium fundyense</i>	1640	28600	14200	360	100		40
<i>Alexandrium fundyense</i> (duplet)	20	20	240				
<i>Alexandrium fundyense</i> (fusing)			20				
<i>Alexandrium fundyense</i> (planozygote)	40	960	740	100	80		
<i>Amylax triacantha</i>					20		40
<i>Ceratium lineatum</i>		40	80				
<i>Ceratium longipes</i>	120	200	320	160	60		

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 07- 19- 95 (cont'd)</b>							
<i>Ceratium minutum</i>	20					20	20
<i>Ceratium sp.</i>							100
<i>Dinophysis acuminata</i>	20	720	200	220			
<i>Dinophysis acuta</i>				40			
<i>Dinophysis norvegica</i>	100	320	280				20
<i>Dinophysis sp.</i>		40	160	80			60
<i>Gonyaulax digitale</i>		200					20
<i>Gonyaulax spinifera</i>		240	40				
<i>Heterocapsa triquetra</i>	140	5040	8760				20
<i>Phalacroma rotundatum</i>	20						20
<i>Protoperidinium depressum</i>	20	40					
<i>Protoperdinium sp.</i>	140	360	840	100	20		100
<i>Scrippsiella trochoidea</i>	20	800	1320	20			
Unarmoured dinoflagellate	20		320		20		260
Unidentified dinoflagellate		720	920	220	80	40	200
<i>Cerataulina pelagica</i>							60
<i>Chaetoceros debilis</i>				40			
<i>Chaetoceros sp.</i>							20
<i>Coscinodiscus sp.</i>	20						40
<i>Cylindrotheca closterium</i>	60	120	440	640	360	320	40
<i>Dactyliosolen fragilissimus</i>					20		
<i>Ditylum brightwellii</i>				60	20	40	20
<i>Guinardia delicatula</i>	79968	13280	9800	20840	17640	15180	3260
<i>Leptocylindrus minimus</i>	240	40	40	80	40	40	720
<i>Licmophora abbreviata</i>							40
<i>Navicula sp.</i>	20	40			20	20	100
<i>Pleurosigma angulatum</i>		80				20	100
<i>Pseudo-nitzschia delicatissima</i> group	20	40	80	60	60	20	20
<i>Pseudo-nitzschia seriata</i> group	20		40	20	20	20	260
<i>Rhizosolenia hebetata</i>							20
<i>Rhizosolenia imbricata</i>							20
<i>Rhizosolenia setigera</i>	20						20
<i>Thalassiosira sp.</i>						20	
<i>Brachionus sp.</i>			80				
<i>Dictyocha speculum</i>	20	40	80	40		20	40
<i>Helicostomella sp.</i>	80	1520	680				140
<i>Mesodinium rubrum</i>	1420	7200	14920	120	20		2620
<i>Notholca sp.</i>							20
<i>Salpingella sp.</i>					20		
Tintinnids	560	4960	960	300	60	60	260
Unidentified flagellate			40				
<b>Date: 07- 24- 95</b>							
<i>Alexandrium fundyense</i>	880	2360	680	40	20		
<i>Alexandrium fundyense</i> (planozygote)		80	80				
<i>Amylax triacantha</i>	40	80					
<i>Ceratium lineatum</i>	40	440	80				
<i>Ceratium longipes</i>	200		240	140			20
<i>Ceratium sp.</i>	80			40			
<i>Ceratium tripos</i>			40	60	20		
<i>Dinophysis acuminata</i>	360	360	40	340	40		20
<i>Dinophysis acuta</i>			120	40			
<i>Dinophysis norvegica</i>	80	160	160				
<i>Dinophysis pulchella</i>	360	240	120				

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 07- 24- 95 (con'd)</b>							
<i>Dinophysis sp.</i>	40	40	80		20		
<i>Gonyaulax digitale</i>	40	80					
<i>Gonyaulax spinifera</i>	40						
<i>Heterocapsa triquetra</i>	29280	685440	45200	220			120
<i>Protoperidinium depressum</i>	40	40					
<i>Protoperidinium sp.</i>	280	680	120	60	20		100
<i>Scrippsiella trochoidea</i>	1320	1440	920	20			
Unarmoured dinoflagellate	560	720	400	40			960
Unidentified dinoflagellate	4200	17600	2160	420			20
<i>Cerataulina pelagica</i>	40				20		660
<i>Chaetoceros sp.</i>							40
<i>Corethron criophilum</i>					20		
<i>Cylindrotheca closterium</i>	360	120	760	700	900	260	
<i>Dactyliosolen fragilissimus</i>					20		
<i>Ditylum brightwellii</i>				20			
<i>Guinardia delicatula</i>	35400	6280	10000	5340	6160	1500	20
<i>Leptocylindrus minimus</i>	200	40	120	120	40	20	280
<i>Navicula sp.</i>	40					20	
<i>Pleurosigma angulatum</i>							20
<i>Pseudo-nitzschia delicatissima</i> group		40	40		160		20
<i>Rhizosolenia setigera</i>							20
<i>Brachionus sp.</i>	40						
<i>Dictyocha speculum</i>	120	200	840	100			260
<i>Helicostomella sp.</i>	440	720	280				40
<i>Mesodinium rubrum</i>	5160	720	1200	380			5500
Tintinnids	1360	4240	1200	640	40	20	320
Unidentified flagellate		40					
<b>Date: 08- 02- 95</b>							
<i>Alexandrium fundyense</i>		40	40	20			
<i>Amylax triacantha</i>				20			
<i>Ceratium fusus</i>			20				
<i>Ceratium lineatum</i>	40		20	40			
<i>Ceratium longipes</i>	120	40	180	320	20	20	20
<i>Ceratium tripos</i>	20	20					
<i>Dinophysis acuminata</i>	40	100	300	160	40		60
<i>Dinophysis acuta</i>	100	40	160	240	20		20
<i>Dinophysis norvegica</i>	80		180	20			
<i>Dinophysis pulchella</i>		20	40				
<i>Dinophysis sp.</i>	60	80	100	40			
<i>Gonyaulax spinifera</i>				60			
<i>Heterocapsa triquetra</i>	340	160	3140	2140	20		
<i>Protoperidinium depressum</i>		20					
<i>Protoperidinium sp.</i>	40	20	180	220	20		20
<i>Scrippsiella trochoidea</i>	220	140	480	500			40
Unarmoured dinoflagellate	120	160	380	200			40
Unidentified dinoflagellate	520	440	1160	1140	40		80
<i>Cerataulina pelagica</i>						20	100
<i>Chaetoceros debilis</i>							20
<i>Chaetoceros sp.</i>			60	40			540
<i>Chaetoceros subtilis</i>	20						
<i>Corethron criophilum</i>				20			
<i>Cylindrotheca closterium</i>	60	240	160	380	200	60	20
<i>Guinardia delicatula</i>	20	20	140	120	200	20	

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 08- 02- 95 (con'd)</b>							
<i>Navicula sp.</i>	20				20		
<i>Pleurosigma angulatum</i>		20					
<i>Pseudo-nitzschia delicatissima</i> group	20	60	60	20	60		
<i>Dictyocha speculum</i>	80	200	340	360			900
<i>Helicostomella sp.</i>			40	40	20		
<i>Mesodinium rubrum</i>	1080	220	2740	180	20	20	660
Tintinnids	440	60	320	360	140	60	140
<b>Date: 08- 08- 95</b>							
<i>Alexandrium fundyense</i>	60	120	320				
<i>Ceratium lineatum</i>	80	40	160				100
<i>Ceratium longipes</i>	160	40	680	260			40
<i>Ceratium sp.</i>				40			20
<i>Ceratium tripos</i>	20			40			
<i>Dinophysis acuminata</i>	460	120	160	260			20
<i>Dinophysis acuta</i>	240	160		180			
<i>Dinophysis norvegica</i>	100	80	80	20			
<i>Dinophysis pulchella</i>			80	160			20
<i>Dinophysis sp.</i>	80	40			420		
<i>Gonyaulax spinifera</i>		120					
<i>Gyrodinium aureolum</i>		40					
<i>Heterocapsa triquetra</i>	2440	14160	28560				
<i>Phalacroma rotundatum</i>				20			
<i>Protoperidinium sp.</i>	80	80	480	80			40
<i>Scrippsiella trochoidea</i>	1200	11600	18120				
Unarmoured dinoflagellate	240	240	1040	140			120
Unidentified dinoflagellate	3100	16320	24720	160	40		200
<i>Cerataulina pelagica</i>	140	40					240
<i>Chaetoceros debilis</i>		40					
<i>Chaetoceros decipiens</i>						40	
<i>Chaetoceros sp.</i>	100			80			3240
<i>Corethron criophilum</i>		20					
<i>Cylindrotheca closterium</i>	960	920	1880	3180	1240	180	20
<i>Fragilaria sp.</i>							20
<i>Guinardia delicatula</i>	120	40		40		40	20
<i>Leptocylindrus minimus</i>	80	40		20		20	20
<i>Navicula sp.</i>	40			20			
<i>Pleurosigma angulatum</i>		40					20
<i>Pseudo-nitzschia delicatissima</i> group	2060	1160	4800	8060	600	60	
<i>Pseudo-nitzschia seriata</i> group			40				40
<i>Rhizosolenia setigera</i>							20
<i>Skeletonema costatum</i>	640	400	1400	980	120		20
<i>Thalassionema nitzschiodes</i>				80	20		
<i>Dictyocha speculum</i>	600	880	2680	580	40		8300
<i>Helicostomella sp.</i>							80
<i>Mesodinium rubrum</i>	3000	1400	880	220	40	60	4920
Tintinnids	1080	240	560	1360	100	80	1700
Unidentified flagellate	20						
<b>Date: 08- 17- 95</b>							
<i>Alexandrium fundyense</i>		40			20		
<i>Ceratium lineatum</i>		80			100	20	
<i>Ceratium longipes</i>	200	80	120	160	20	20	60
<i>Ceratium sp.</i>			40				
<i>Dinophysis acuminata</i>		80	80	160	20		20

ORGANISM	3	15	16-0m	16-	10m	16-	25m	16- 50m	17
<b>Date: 08- 17- 95 (cont'd)</b>									
<i>Dinophysis acuta</i>	80						20		60
<i>Dinophysis norvegica</i>	80	80			20				60
<i>Dinophysis pulchella</i>	80								80
<i>Dinophysis sp.</i>	160	120					40		80
<i>Gonyaulax digitale</i>			160						
<i>Gyrodinium aureolum</i>			40						
<i>Heterocapsa triquetra</i>	360	840	2000		100		20		20
<i>Prorocentrum micans</i>			40						
<i>Protoperidinium sp.</i>		40			60				
<i>Scrippsiella trochoidea</i>	160	200	11680		80				220
Unarmoured dinoflagellate	80	40	40		20			20	
Unidentified dinoflagellate	440	280	10360		200		60		100
<i>Actinoptychus senarius</i>							80	40	20
<i>Cerataulina pelagica</i>	520						20		280
<i>Chaetoceros compressus</i>	40						20		
<i>Chaetoceros debilis</i>	280								120
<i>Chaetoceros decipiens</i>	320	200	40		20				120
<i>Chaetoceros laciniatus</i>					20				
<i>Chaetoceros lorenzianus</i>					20				20
<i>Chaetoceros socialis</i>		40	200						
<i>Chaetoceros sp.</i>	160	600	720		200		200	100	200
<i>Corethron criophilum</i>					60		20		
<i>Coscinodiscus sp.</i>	120				40		20		
<i>Cylindrotheca closterium</i>	8600	3480	800	920	3280		3460	600	
<i>Ditylum brightwellii</i>		40	120	140	180		40		20
<i>Guinardia delicatula</i>	320	520	2480	1640	1460		420		300
<i>Leptocylindrus minimus</i>	320	440	160	260	240		60		
<i>Pleurosigma angulatum</i>	120								100
<i>Pseudo-nitzschia delicatissima</i> group	15480	86496	18000	52224	62016		7440	300	
<i>Pseudo-nitzschia seriata</i> group	480	200	1160	120	280		40		100
<i>Pseudo-nitzschia sp.</i>							20		
<i>Rhizosolenia imbricata</i>							20		
<i>Skeletonema costatum</i>	1320	4320	2600	4100	3720		1380	80	
<i>Thalassionema nitzschioides</i>				200	20				
<i>Thalassiosira auguste-lineata</i>					20				
<i>Thalassiosira sp.</i>			80	40	20				
<i>Dictyocha speculum</i>	9880	2240	680	260	320		60		5800
<i>Helicostomella sp.</i>				20					
<i>Mesodinium rubrum</i>	920	440	560	140					1140
<i>Notholca sp.</i>							20		
Tintinnids	360	40	160	40					40
Unidentified flagellate	240	80							
<b>Date: 08- 22- 95</b>									
<i>Alexandrium fundyense</i>	40	440	200						
<i>Alexandrium fundyense</i> (duplet)		40							
<i>Amylax triacantha</i>		80							
<i>Ceratium lineatum</i>	960	2680	1440	480					80
<i>Ceratium longipes</i>	360	360	320	80					
<i>Ceratium sp.</i>			40						
<i>Ceratium tripos</i>	40		40						
<i>Dinophysis acuminata</i>	600	200	440	80					40
<i>Dinophysis acuta</i>	200	120	120						
<i>Dinophysis norvegica</i>	160						40		

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 08- 22- 95 (cont'd)</b>							
<i>Dinophysis pulchella</i>	160	40	40	160			
<i>Dinophysis sp.</i>	400	40	320	80			80
<i>Gyrodinium aureolum</i>	80	40	40	80			
<i>Heterocapsa triquetra</i>	15320	112608	25360	6320			
<i>Phalacroma rotundatum</i>		40	200				
<i>Prorocentrum minimum</i>			40				
<i>Protoperidinium sp.</i>	120	280	120	160			40
<i>Scrippsiella trochoidea</i>	3160	47328	5600	1920			160
Unarmoured dinoflagellate	400	80	1160				40
Unidentified dinoflagellate	7280	20120	7000	2160	200		240
<i>Cerataulina pelagica</i>	640		120		80	20	13920
<i>Chaetoceros compressus</i>			40				
<i>Chaetoceros constrictus</i>			80				
<i>Chaetoceros debilis</i>	280	320	560		160	20	440
<i>Chaetoceros decipiens</i>	40	40	40		160		1080
<i>Chaetoceros laciniosus</i>		160	120				40
<i>Chaetoceros lorenzianus</i>							160
<i>Chaetoceros socialis</i>	200	200	1120	80	240		40
<i>Chaetoceros sp.</i>	960	640	1320	560	1120	60	1080
<i>Corethron criophilum</i>	120	40	40		120	20	40
<i>Coscinodiscus sp.</i>		40			40		
<i>Cylindrotheca closterium</i>	760		40		1280	480	2360
<i>Detonula pumila</i>							40
<i>Ditylum brightwellii</i>	400	160	360	160	440	60	40
<i>Eucampia zodiacus</i>	40	120	80		40		
<i>Guinardia delicatula</i>	1320	720	1480	160	480	200	1840
<i>Gyrosigma sp.</i>							80
<i>Leptocylindrus danicus</i>						20	
<i>Leptocylindrus minimus</i>	560	160	120		160	40	160
<i>Licmophora abbreviata</i>	40						
<i>Navicula sp.</i>					40		
<i>Pleurosigma angulatum</i>	40				40		80
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>					40		
<i>Porosira glacialis</i>			120				
<i>Pseudo-nitzschia delicatissima</i> group	202368	536928	1086912	868224	163200	3420	1800
<i>Pseudo-nitzschia seriata</i> group	3440	4720	11120	2960	5000	140	240
<i>Skeletonema costatum</i>	2320	2080	2080	560	7880	700	7040
<i>Thalassionema nitzschiodes</i>			40		120	40	
<i>Thalassiosira angulata</i>					40		
<i>Thalassiosira gravida</i>					40	40	
<i>Thalassiosira sp.</i>	480	40	240	80	240	60	
<i>Dictyocha speculum</i>	1800	320	840	160	240	40	13440
<i>Favella sp.</i>	40						
<i>Helicostomella sp.</i>	40	40	200	80			40
<i>Mesodinium rubrum</i>	1520	3200	640	80	120		3840
<i>Parafavella sp.</i>	80		80	160			
<i>Ptychocylis sp.</i>	40				40		
Tintinnids	800	680	760	240	40		240
<b>Date: 08- 29- 95</b>							
<i>Alexandrium fundyense</i>		80	240	120	40	20	
<i>Amylax triacantha</i>		80					
<i>Ceratium fusus</i>						20	
<i>Ceratium lineatum</i>	400	720	3420	960	160	100	280

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 08- 29- 95 (cont'd)</b>							
<i>Ceratium longipes</i>	80	80	300	200	120		80
<i>Ceratium minutum</i>				80			
<i>Ceratium sp.</i>			60				
<i>Dinophysis acuminata</i>	80	80	240	160			
<i>Dinophysis acuta</i>	80		240	40			
<i>Dinophysis norvegica</i>	80	80	60	40			40
<i>Dinophysis pulchella</i>				40			
<i>Dinophysis sp.</i>		80	180	160			
<i>Gyrodinium aureolum</i>				80			
<i>Heterocapsa triquetra</i>	320	400	840	280	40		
<i>Phalacroma rotundatum</i>			60	40			
<i>Protoperidinium sp.</i>	80	160	540	880	160	20	80
<i>Scrippsiella trochoidea</i>	1200	1760	21120	3520	160	60	2000
Unarmoured dinoflagellate	80	160	1860	320	40		
Unidentified dinoflagellate	480	1440	5460	1960	120	80	200
<i>Actinoptychus senarius</i>					40		
<i>Cerataulina pelagica</i>	80		60	120	40	40	160
<i>Chaetoceros compressus</i>	240	240	180	80	120	40	
<i>Chaetoceros debilis</i>	1600	1600	2280	1880	760	320	2040
<i>Chaetoceros decipiens</i>	240	480	180	40	200	40	880
<i>Chaetoceros didymus</i>	80	400	180		40		
<i>Chaetoceros laciniosus</i>	80	320	420	400	80	60	80
<i>Chaetoceros socialis</i>	2080	3680	5400	2360	480	80	
<i>Chaetoceros sp.</i>	1680	1360	1260	1280	520	480	1480
<i>Corethron criophilum</i>	80		120		40	40	120
<i>Coscinodiscus sp.</i>					40		80
<i>Cylindrotheca closterium</i>			60	80	80	160	120
<i>Ditylum brightwellii</i>	800	800	600	280	280	260	40
<i>Eucampia zodiacus</i>	240	80	120			20	
<i>Guinardia delicatula</i>	1200	800	360	360	560	160	7560
<i>Leptocylindrus minimus</i>	320	480	60	120	280	120	320
<i>Pleurosigma angulatum</i>	80		60				40
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>						20	
<i>Pseudo-nitzschia delicatissima</i> group	691968	1525920	1374144	1108128	590784	376992	4600
<i>Pseudo-nitzschia seriata</i> group	11120	28880	11220	7960	5480	5100	280
<i>Skeletonema costatum</i>	1280	1440	1440	1880	1320	920	4320
<i>Thalassionema nitzschioides</i>			180			60	40
<i>Thalassiosira angulata</i>		80	240		400	120	
<i>Thalassiosira auguste-lineata</i>	240	320	240	200	80	140	
<i>Thalassiosira gravida</i>	160	320	780	520	360	160	280
<i>Thalassiosira sp.</i>	160	480	900	880	560	440	
<i>Brachionus sp.</i>				40			
<i>Dictyocha speculum</i>	160	480	420	240	120	100	1040
<i>Favella sp.</i>			660	120			40
<i>Helicostomella sp.</i>			300				
<i>Mesodinium rubrum</i>	800	1920	1380	760	120	20	8680
<i>Parafavella sp.</i>				80			
Tintinnids	160	80	780	400			640
<b>Date: 09- 05- 95</b>							
<i>Alexandrium fundyense</i>			40		80		
<i>Ceratium lineatum</i>	480	2040	400	1920			1080
<i>Ceratium longipes</i>	80	120	80		20	20	80
<i>Dinophysis acuminata</i>	160	80	240				80

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
Date: 09-05-95 (cont'd)							
<i>Dinophysis norvegica</i>			240				80
<i>Dinophysis pulchella</i>		40					
<i>Dinophysis sp.</i>			80				
<i>Gyrodinium aureolum</i>	80		80				
<i>Heterocapsa triquetra</i>		120	240				
<i>Phalacroma rotundatum</i>		40	160				
<i>Protoperidinium sp.</i>	480	880	560	640	120		
<i>Scrippsiella trochoidea</i>	1200	720	1520	160			3000
Unarmoured dinoflagellate	160	960	880		20		80
Unidentified dinoflagellate	160	320	400	320	180	20	320
<i>Asterionella sp.</i>						20	
<i>Cerataulina pelagica</i>	400				20	20	960
<i>Chaetoceros compressus</i>		120	240	400	220	20	
<i>Chaetoceros debilis</i>	3760	1920	3360	3840	940	340	480
<i>Chaetoceros decipiens</i>	240	280	240	480	80	40	
<i>Chaetoceros diadema</i>	80				140	160	
<i>Chaetoceros didymus</i>					40		
<i>Chaetoceros furcellatus</i>					20		
<i>Chaetoceros laciniosus</i>		40	320	320	60		
<i>Chaetoceros lorenzianus</i>				80			
<i>Chaetoceros socialis</i>	4160	3800	2320	4480	600		80
<i>Chaetoceros sp.</i>	3040	1840	1760	5280	1560	500	80
<i>Corethron criophilum</i>		120	80	320	200	20	240
<i>Coscinodiscus sp.</i>					40		40
<i>Cylindrotheca closterium</i>	80	40			40	160	240
<i>Dactyliosolen fragilissimus</i>					80		
<i>Ditylum brightwellii</i>	1040	560	880	1840	480	200	360
<i>Eucampia zodiacus</i>							200
<i>Fragilaria sp.</i>		40					
<i>Guinardia delicatula</i>	2160	320	720	80	240	180	21720
<i>Guinardia flaccida</i>							160
<i>Leptocylindrus danicus</i>							80
<i>Leptocylindrus minimus</i>	480	200			20	20	960
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>					20		
<i>Pseudo-nitzschia delicatissima</i> group	869856	729504	709920	830688	324768	110976	18840
<i>Pseudo-nitzschia seriata</i> group	240	80	400	480	720	3260	400
<i>Rhizosolenia imbricata</i>	80						160
<i>Skeletonema costatum</i>	800	520	1600	1760	1660	380	280
<i>Stephanopyxis turris</i>	80			80			
<i>Thalassionema nitzschiodes</i>				80	160	300	
<i>Thalassiosira angulata</i>	640	40	1040	400	480	60	
<i>Thalassiosira auguste-lineata</i>		120	160	240	140	20	
<i>Thalassiosira gravida</i>	720	800	2080	2640	920	380	360
<i>Thalassiosira sp.</i>	640	280	1520	3760	1460	380	120
<i>Dictyocha speculum</i>	320		80		40		3160
<i>Favella sp.</i>		160	880				120
<i>Helicostomella sp.</i>	80	1040	320				
<i>Mesodinium rubrum</i>	2480	8840	3120		20		8640
<i>Notholca sp.</i>						20	
Tintinnids	400	40	560			40	1280
Unidentified flagellate	80						80

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 09- 12- 95</b>							
<i>Ceratium lineatum</i>	560	160	1420	660	300		500
<i>Ceratium longipes</i>	60	20	60	40	60	20	60
<i>Dinophysis acuminata</i>	20		20	20			
<i>Dinophysis acuta</i>							20
<i>Dinophysis norvegica</i>			20				
<i>Dinophysis sp.</i>	40		80		20		
<i>Protoperothrinium sp.</i>	40	60	200	80	80		
<i>Scrippsiella trochoidea</i>		20	80		20		80
Unarmoured dinoflagellate	100		320	140	100		
Unidentified dinoflagellate	120	100	240	20	20		40
<i>Actinoptychus senarius</i>				40		20	
<i>Cerataulina pelagica</i>	100		60	40	60		520
<i>Chaetoceros compressus</i>		20	60	80	60	20	
<i>Chaetoceros debilis</i>	1840	3880	1620	1760	1740	880	200
<i>Chaetoceros decipiens</i>	300	340	240	180	160	160	20
<i>Chaetoceros diadema</i>		20	20	20			
<i>Chaetoceros didymus</i>						20	
<i>Chaetoceros laciniatus</i>	20	140	20		20		
<i>Chaetoceros lorenzianus</i>			20	20			
<i>Chaetoceros socialis</i>	300	1440	440	440	420	40	
<i>Chaetoceros sp.</i>	740	1380	960	1320	640	720	40
<i>Corethron criophillum</i>	20	40	40	80	40	60	60
<i>Coscinodiscus sp.</i>	40				40	20	
<i>Cylindrotheca closterium</i>	220	60	40	360	60	220	60
<i>Dactyliosolen fragilissimus</i>				20			
<i>Ditylum brightwellii</i>	940	700	620	1540	780	520	80
<i>Eucampia zodiacus</i>		20			20	20	20
<i>Guinardia delicatula</i>	1300	280	880	320	540	320	740
<i>Guinardia flaccida</i>				160	100	120	360
<i>Gyrosigma tenuissimum</i>				20			
<i>Lauderia annulata</i>	80	100	40	100	20		
<i>Leptocylindrus danicus</i>	160		20		20		
<i>Leptocylindrus minimus</i>	1120	380	220	200	200	100	560
<i>Licmophora abbreviata</i>			20				
<i>Navicula sp.</i>						20	
<i>Pleurosigma angulatum</i>	20			20			160
<i>Pseudo-nitzschia delicatissima</i> group	1320	260	2140	2560	4060	3340	1160
<i>Pseudo-nitzschia seriata</i> group	160	440	40	220	360	520	20
<i>Rhizosolenia hebetata</i>				40			
<i>Rhizosolenia imbricata</i>			60	20		40	20
<i>Skeletonema costatum</i>		60		40	20	200	
<i>Stephanopyxis turris</i>		20	20	20	20		20
<i>Thalassionema nitzschioides</i>	40	60	40	120	180	300	
<i>Thalassiosira angulata</i>	180	480	260	500	200	40	
<i>Thalassiosira auguste-lineata</i>	20	140	120	100	120	20	
<i>Thalassiosira gravida</i>	1140	1480	2180	2100	1820	1200	60
<i>Thalassiosira sp.</i>	120	60	140	120	120	60	
<i>Brachionus sp.</i>	20			20			
<i>Dictyocha speculum</i>	440	40	460	200	180	20	580
<i>Favella sp.</i>	100		160				20
<i>Helicostomella sp.</i>		40	120	20			
<i>Mesodinium rubrum</i>	7520	560	11180	60			2620
Tintinnids	40	20	140		20	120	660

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 09- 20- 95</b>							
<i>Ceratium lineatum</i>	320	680	720	2240			1640
<i>Ceratium longipes</i>				80			
<i>Ceratium minutum</i>	40						
<i>Ceratium tripos</i>							20
<i>Dinophysis acuminata</i>		40	40	80			
<i>Dinophysis acuta</i>		40					
<i>Dinophysis norvegica</i>			40	80			
<i>Dinophysis sp.</i>		40					
<i>Gyrodinium aureolum</i>		40					20
<i>Heterocapsa triquetra</i>		40					
<i>Protoperidinium sp.</i>			40	80			
<i>Scrippsiella trochoidea</i>			360				
Unarmoured dinoflagellate	40		160	160			20
Unidentified dinoflagellate	160	80	520	160			40
<i>Actinoptychus senarius</i>	160		560				
<i>Asterionella sp.</i>			40	80		20	
<i>Cerataulina pelagica</i>	80						620
<i>Chaetoceros compressus</i>	120	80			80		
<i>Chaetoceros constrictus</i>	40						
<i>Chaetoceros debilis</i>	4960	6240	5520	5440	4000	920	20
<i>Chaetoceros decipiens</i>	320	200	240	80	480	180	20
<i>Chaetoceros diadema</i>		40					
<i>Chaetoceros didymus</i>		80	160	160	320		
<i>Chaetoceros ingolfianus</i>	40				80		
<i>Chaetoceros laciniosus</i>	480	440	200	480	80	80	
<i>Chaetoceros lorenzianus</i>		80	120	160			
<i>Chaetoceros socialis</i>	1160	1840	1160	720	320	40	200
<i>Chaetoceros sp.</i>	2360	3160	1920	1760	1680	300	
<i>Corethron criophilum</i>	400	480	400	240	320	140	
<i>Coscinodiscus sp.</i>	40		80			80	20
<i>Cylindrotheca closterium</i>	480	520	520	880	2160	540	40
<i>Dactyliosolen sp.</i>			80				
<i>Ditylum brightwellii</i>	4920	4600	5080	6720	5440	1600	40
<i>Eucampia zodiacus</i>	80		80	320			
<i>Fragilaria sp.</i>	40						
<i>Guinardia delicatula</i>	880	520	680	800	480	300	20
<i>Guinardia flaccida</i>							20
<i>Guinardia striata</i>	40						
<i>Lauderia annulata</i>	440	280	360	800	160	80	
<i>Leptocylindrus danicus</i>	200	480	720	80			
<i>Leptocylindrus minimus</i>	400	600	320	320	240	40	260
<i>Navicula sp.</i>						20	
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>					80		
<i>Pleurosigma sp.</i>		40					
<i>Pseudo-nitzschia delicatissima</i> group	1600	520	1360	1440	2560	1340	80
<i>Pseudo-nitzschia seriata</i> group	480	600	320	720	640	440	20
<i>Pseudo-nitzschia sp.</i>		40					
<i>Rhizosolenia imbricata</i>	120		200	240	160		
<i>Rhizosolenia setigera</i>							60
<i>Skeletonema costatum</i>	280	240	800	960	400	120	
<i>Stephanopyxis turris</i>	120	80	200	80		20	
<i>Thalassionema nitzschiodes</i>	720	280	1280	2320	1840	1040	
<i>Thalassiosira angulata</i>	1080	1000	1080	1840	1520	240	

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 09- 20- 95 (cont'd)</b>							
<i>Thalassiosira auguste-lineata</i>	320	120	120	240	160	40	
<i>Thalassiosira grava</i>	4600	3400	5400	9040	9120	1600	40
<i>Thalassiosira nordenskioeldii</i>	40						
<i>Thalassiosira sp.</i>	680	440	1440	1120	480	240	20
<i>Triceratium alternans</i>					720	40	
<i>Dictyocha speculum</i>	400	160	200	480	240	20	4600
<i>Favella sp.</i>			120				
<i>Helicostomella sp.</i>		40	80				20
<i>Mesodinium rubrum</i>	1960	880	960	560	80		480
<i>Ptychocylis sp.</i>						20	
<i>Salpingella sp.</i>						20	
Tintinnids	200	40	120	320			1240
<b>Date: 09- 26- 95</b>							
<i>Amylax triacantha</i>			40				
<i>Ceratium lineatum</i>	1240	2120	2200	2560	240		1440
<i>Dinophysis acuminata</i>	40	120	120	80			
<i>Dinophysis sp.</i>				80			20
<i>Protoperidinium sp.</i>	80		80	320			
<i>Scrippsiella trochoidea</i>	80		240				
Unarmoured dinoflagellate	280	120	640	320			
Unidentified dinoflagellate	80	200	240	480		40	
<i>Actinoptychus senarius</i>				560		200	
<i>Cerataulina pelagica</i>	80				80		1260
<i>Chaetoceros compressus</i>	80	80	40	160			
<i>Chaetoceros debilis</i>	6160	10600	12400	11520	8960	2120	80
<i>Chaetoceros decipiens</i>	640	440	560	320	560	320	40
<i>Chaetoceros didymus</i>	80	160	80			80	
<i>Chaetoceros ingolfianus</i>		80	200	80	160		
<i>Chaetoceros lacinirosus</i>	200	360	360	80	400	80	
<i>Chaetoceros lorenzianus</i>	400	600	480	400	80	40	
<i>Chaetoceros socialis</i>	2680	1040	1440	1920	1760	200	60
<i>Chaetoceros sp.</i>	1000	1400	440	1200	1200	280	
<i>Chaetoceros subtilis</i>				80	80	40	
<i>Corethron criophilum</i>	320	240	400	480	320	440	40
<i>Coscinodiscus sp.</i>	40	40	40	400	240	40	20
<i>Cylindrotheca closterium</i>	280	320	520	480	1200	360	40
<i>Dactyliosolen fragilissimus</i>	80	40	40	320		80	
<i>Dactyliosolen sp.</i>	80						
<i>Ditylum brightwellii</i>	7680	6200	6640	8800	7360	3080	200
<i>Guinardia delicatula</i>	1720	3360	3080	2640	1520	560	260
<i>Guinardia flaccida</i>		40					740
<i>Lauderia annulata</i>	800	480	1280	1600	1440	200	
<i>Leptocylindrus danicus</i>	40	40	560				
<i>Leptocylindrus minimus</i>	120	80	120	400	160	80	160
<i>Navicula sp.</i>		40				40	20
<i>Pleurosigma angulatum</i>	40		40	80			20
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	40						
<i>Pseudo-nitzschia delicatissima</i> group	1160	800	1080	800	2320	960	80
<i>Pseudo-nitzschia seriata</i> group	240	480	200	640	1040	160	
<i>Pseudo-nitzschia sp.</i>	40	80					20
<i>Rhizosolenia imbricata</i>	160	40	80	80	160	200	60
<i>Rhizosolenia setigera</i>		40	80		80		180
<i>Skeletonema costatum</i>	760	480	560	800	880	360	20

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 09- 26- 95 (cont'd)</b>							
<i>Stephanopyxis turris</i>	80	200	320	240	320	80	
<i>Thalassionema nitzschiodes</i>	960	480	640	2560	4240	2360	
<i>Thalassiosira angulata</i>	760	1120	1120	560	640	280	
<i>Thalassiosira auguste-lineata</i>	160	600	640	240	480	80	
<i>Thalassiosira baltica</i>	40		80				
<i>Thalassiosira gravida</i>	4960	4880	7880	8960	7920	2480	60
<i>Thalassiosira sp.</i>	440	280	640	1120	1200	360	20
<i>Triceratium alternans</i>	40					80	
<i>Dictyocha speculum</i>	240	160	840	960	480		3380
<i>Favella sp.</i>		160	40				
<i>Helicostomella sp.</i>		40	40				
<i>Mesodinium rubrum</i>	1200	1800	3760	720	240		2180
<i>Ptychocylis sp.</i>				80			
Tintinnids	640	280	160	400		40	320
<b>Date: 10- 10- 95</b>							
<i>Amylax triacantha</i>			20				
<i>Ceratium lineatum</i>	960	1360	620	260	120	40	940
<i>Ceratium minutum</i>							240
<i>Dinophysis acuminata</i>	20	40					
<i>Dinophysis acuta</i>			20	20			
<i>Dinophysis sp.</i>	20						
<i>Gymnodinium sp.</i>		20					
<i>Gyrodinium aureolum</i>	20		20				
<i>Heterocapsa triquetra</i>	60	20	120				
<i>Protoperidinium sp.</i>	20	40	80		20		
<i>Scrippsiella trochoidea</i>			80				
Unarmoured dinoflagellate	60	40	220	20	20		
Unidentified dinoflagellate	140	200	300	120	40		20
<i>Actinoptychus senarius</i>		60		80	140	480	
<i>Chaetoceros debilis</i>	440	2460	520	340	280	200	60
<i>Chaetoceros didymus</i>		20					
<i>Chaetoceros laciniosus</i>				40			
<i>Chaetoceros lorenzianus</i>					20		
<i>Chaetoceros socialis</i>	300	2800	60	100	200	80	
<i>Chaetoceros sp.</i>	20	20			20	20	
<i>Corethron criophilum</i>	40	120		40	20	100	20
<i>Coscinodiscus sp.</i>		40		20	40	40	20
<i>Cylindrotheca closterium</i>	220	180	320	560	380	340	40
<i>Dactyliosolen fragilissimus</i>		60					
<i>Dactyliosolen sp.</i>					20		
<i>Ditylum brightwellii</i>	60	60	60	40	80	160	
<i>Eucampia zodiacus</i>		20				20	
<i>Fragilaria sp.</i>	20						
<i>Guinardia delicatula</i>	120	220	320	460	500	480	280
<i>Guinardia flaccida</i>	120						80
<i>Guinardia striata</i>		140					
<i>Gyrosigma tenuissimum</i>				20		20	
<i>Lauderia annulata</i>	100	180	60	60	40	120	
<i>Leptocylindrus danicus</i>		80		20	280		
<i>Leptocylindrus minimus</i>	120	180	80	100	100	60	20
<i>Navicula sp.</i>		40		40	80	60	40
<i>Pleurosigma angulatum</i>		20					40
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>				60	40		

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 10- 10- 95 (cont'd)</b>							
<i>Pseudo-nitzschia delicatissima</i> group	180	40	180	60	80	280	60
<i>Pseudo-nitzschia seriata</i> group	40	60	20	60	80	40	80
<i>Pseudo-nitzschia</i> sp.		20		20			
<i>Rhizosolenia hebetata</i>		20			20		
<i>Rhizosolenia imbricata</i>	80	180		40	40	60	
<i>Rhizosolenia setigera</i>	40	20			20		340
<i>Skeletonema costatum</i>					40	80	
<i>Stephanopyxis turris</i>	60	80	20			40	
<i>Thalassionema nitzschioides</i>	100	120	80	140	220	420	
<i>Thalassiosira auguste-lineata</i>	20	20	40		20		
<i>Thalassiosira baltica</i>		20			100	40	
<i>Thalassiosira gravida</i>	100	460	260	200	40	120	
<i>Thalassiosira</i> sp.	40	20		20			20
<i>Triceratium alternans</i>						20	
<i>Dictyocha speculum</i>	420	140	120	100	80	40	1400
<i>Favella</i> sp.	20	20	20				
<i>Helicostomella</i> sp.		20					40
<i>Mesodinium rubrum</i>	1580	500	1540	20	120	60	1080
Tintinnids	400	220	880	20	40	20	240
<b>Date: 10- 24- 95</b>							
<i>Ceratium lineatum</i>	680	480	1160	1540	320	20	2900
<i>Ceratium longipes</i>				20			40
<i>Ceratium minutum</i>							40
<i>Ceratium</i> sp.	60						80
<i>Dinophysis acuminata</i>			20	40			
<i>Dinophysis acuta</i>					20		
<i>Dinophysis norvegica</i>							20
<i>Dinophysis</i> sp.	20	40		20	40		40
<i>Gymnodinium</i> sp.					20		
<i>Heterocapsa triquetra</i>		20	60	40	20		
<i>Phalacroma rotundatum</i>					20		
<i>Scrippsiella trochoidea</i>		20	20	60			20
Unarmoured dinoflagellate	40	60	140	120			
Unidentified dinoflagellate	20	100	240	100			40
<i>Actinptychus senarius</i>	580	180	100		120	200	120
<i>Cerataulina pelagica</i>	140						
<i>Chaetoceros debilis</i>	100	20		80	60		100
<i>Chaetoceros socialis</i>	40						
<i>Corethron criophilum</i>					20		
<i>Coscinodiscus</i> sp.	60	40		20		20	20
<i>Cylindrotheca closterium</i>	580	320	260	340	460	180	380
<i>Ditylum brightwellii</i>			20				20
<i>Guinardia delicatula</i>	20		60	20	20	100	100
<i>Guinardia flaccida</i>							20
<i>Gyrosigma fasciola</i>	20						
<i>Leptocylindrus minimus</i>				20			
<i>Navicula</i> sp.	60			20	40		
<i>Pleurosigma angulatum</i>	20	20			20		
<i>Pseudo-nitzschia delicatissima</i> group	180	40				60	20
<i>Pseudo-nitzschia seriata</i> group	40	20	60				20
<i>Rhizosolenia setigera</i>			20		20	20	100
<i>Skeletonema costatum</i>	40						
<i>Stephanopyxis turris</i>	40		20				

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 10- 24- 95 (cont'd)</b>							
<i>Thalassionema nitzschioides</i>	180	20	20		20	40	140
<i>Thalassiosira gravida</i>		20	20				
<i>Thalassiosira sp.</i>			20			20	
<i>Triceratium alternans</i>	20						
<i>Dictyocha speculum</i>	20	20	80	60	40		260
<i>Helicostomella sp.</i>							20
<i>Mesodinium rubrum</i>	980	320	4680	620	60		120
Tintinnids	360	20	340	660	140		180
<b>Date: 11- 22- 95</b>							
<i>Ceratium fusus</i>			20	20			
<i>Ceratium lineatum</i>	40	180	160	120			100
<i>Ceratium minutum</i>			20				
<i>Ceratium sp.</i>		60	20				20
<i>Ceratium tripos</i>		20	80	20	20	20	
<i>Dinophysis sp.</i>		20					
<i>Heterocapsa triquetra</i>		20					
<i>Protoperdinium sp.</i>		40		20		20	20
Unarmoured dinoflagellate		20	100	40	20		
Unidentified dinoflagellate	120	80	40				
<i>Actinoptychus senarius</i>	180		140			140	
<i>Asterionella sp.</i>						20	20
<i>Chaetoceros sp.</i>				20	20		20
<i>Corethron criophilum</i>		40	80	80	20		
<i>Coscinodiscus sp.</i>			40	20			
<i>Cylindrotheca closterium</i>	120	420	1320	440	240	160	140
<i>Ditylum brightwellii</i>	60	80	100	80		60	
<i>Guinardia delicatula</i>			20			20	
<i>Gyrosigma tenuissimum</i>	20						
<i>Leptocylindrus minimus</i>	20		40				
<i>Melosira ambigua</i>	20						
<i>Navicula sp.</i>	40	20				80	
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>				20		20	
<i>Pseudo-nitzschia delicatissima</i> group	160	380	400	420	400	180	
<i>Pseudo-nitzschia seriata</i> group			20				20
<i>Rhizosolenia setigera</i>						20	
<i>Skeletonema costatum</i>	20	20	40	20	20		
<i>Thalassionema nitzschioides</i>		60	40	80	80	40	40
<i>Thalassiosira sp.</i>			20				
<i>Dictyocha speculum</i>	60	200	100	180	40	40	20
<i>Helicostomella sp.</i>							20
<i>Mesodinium rubrum</i>	140	500	1160	80	60		540
Tintinnids	120	280	140	60	40	20	40
Zooplankton		20					

ORGANISM	3	15	16-0m	16-	10m	16-	25m	16-	50m	17
<b>Date: 12- 19- 95</b>										
<i>Ceratium lineatum</i>	20	20			20					
<i>Scrippsiella trochoidea</i>		20								
Unidentified dinoflagellate	20				20					
<i>Actinoptychus senarius</i>	80							20		
<i>Asterionellopsis glacialis</i>								20		20
<i>Asterionellopsis kariana</i>		20								
<i>Corethron criophilum</i>		20					20			20
<i>Coscinodiscus sp.</i>	40	40	40	20		20		20		
<i>Cylindrotheca closterium</i>	660	180	400	480		280		120		280
<i>Dactyliosolen fragilissimus</i>				20						
<i>Ditylum brightwellii</i>	60	20	20	20		20		20		20
<i>Grammatophora marina</i>										20
<i>Guinardia delicatula</i>										20
<i>Gyrosigma prolongatum</i>							20			
<i>Leptocylindrus minimus</i>		20	20				20			
<i>Melosira monoliformis</i>		20	60							20
<i>Navicula sp.</i>		60	20	40		20		40		40
<i>Pleurosigma angulatum</i>	20									
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>				20		20		20		
<i>Pseudo-nitzschia delicatissima</i> group	440	240	320	220		260		80		80
<i>Pseudo-nitzschia seriata</i> group								20		
<i>Rhizosolenia setigera</i>								20		
<i>Skeletonema costatum</i>	20	20	20	20				20		20
<i>Thalassionema nitzschiooides</i>								40		
<i>Thalassiosira rotula</i>			20							
<i>Thalassiosira sp.</i>	20						20			
<i>Dictyocha speculum</i>	20			20		20				20
<i>Mesodinium rubrum</i>		40	20	20						60
Tintinnids							20	20		



ORGANISM	3	15	16-0m	16-	10m	16-	25m	16-	50m	17
<b>Date: 03- 19- 96 (cont'd)</b>										
<i>Navicula sp.</i>	40	20				40	20		40	
<i>Odontella obtusa</i>		60								
<i>Odontella aurita</i>	20					20			20	
<i>Paralia marina</i>								20		
<i>Pleurosigma angulatum</i>						20				
<i>Pseudo-nitzschia delicatissima</i> group	200	300	40			100	220		80	
<i>Rhabdonema sp.</i>									20	
<i>Skeletonema costatum</i>	20		20			80	100		40	
<i>Thalassionema nitzschiooides</i>		20								
<i>Thalassiosira sp.</i>		20				20			20	
<i>Dictyocha speculum</i>		20				60				
<i>Mesodinium rubrum</i>	20		60			60			160	
Tintinnids						60				
<b>Date: 04- 29- 96</b>										
<i>Alexandrium fundyense</i>		20						20		
<i>Heterocapsa triquetra</i>	20									
Unidentified dinoflagellate	120	100	40							
<i>Asterionellopsis kariana</i>			40			20				
<i>Chaetoceros compressus</i>			40	40						
<i>Chaetoceros constrictus</i>				40						
<i>Chaetoceros convolutus</i>				40						
<i>Chaetoceros debilis</i>	100	40	440	200			100		640	
<i>Chaetoceros decipiens</i>				20			20		80	
<i>Chaetoceros ingolfianus</i>		140	40	80		80			720	
<i>Chaetoceros laciniosus</i>			40			20			80	
<i>Chaetoceros lorenzianus</i>			40							
<i>Chaetoceros sp.</i>	920	1360	4080	1380	400	40		5480		
<i>Chaetoceros teres</i>						40				
<i>Coscinodiscus sp.</i>	60	20		40	40		20			
<i>Cylindrotheca closterium</i>	140	20	40	200	60	160		120		
<i>Dactyliosolen fragilissimus</i>				20				80		
<i>Ditylum brightwellii</i>	40	20	80	60		80				
<i>Guinardia delicatula</i>					80					
<i>Gyrosigma prolongatum</i>	20									
<i>Lauderia annulata</i>	20									
<i>Leptocylindrus minimus</i>	40	80	40	60	20	20				
<i>Melosira monoliformis</i>	40								40	
<i>Navicula sp.</i>	120	20	40	40	40	20		20	40	
<i>Odontella aurita</i>		20	40	60	100					
<i>Paralia marina</i>					20					
<i>Porosira glacialis</i>	40		320				20		40	
<i>Pseudo-nitzschia delicatissima</i> group	1300	1100	1920	1740	400	460		3680		
<i>Pseudo-nitzschia seriata</i> group					20					
<i>Rhizosolenia hebetata</i>			40							
<i>Rhizosolenia setigera</i>							20			
<i>Skeletonema costatum</i>	320	300	560	260	120	120		960		
<i>Thalassionema nitzschiooides</i>			40		20					
<i>Thalassiosira angulata</i>				20				40		
<i>Thalassiosira auguste-lineata</i>	20	140	120	20	20			280		
<i>Thalassiosira gravida</i>	40	20	40	80				320		
<i>Thalassiosira nordenskioeldii</i>	760	820	2960	560	120	40		6120		
<i>Thalassiosira rotula</i>						80				
<i>Thalassiosira rotula</i>						80				

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 04- 29- 96 (cont'd)</b>							
<i>Thalassiosira sp.</i>	120	280	800	500	60	100	1680
<i>Dictyocha speculum</i>		20					
<i>Mesodinium rubrum</i>	120	280					80
<i>Ptychocylis sp.</i>		20					
<b>Date: 05- 08- 96</b>							
<i>Alexandrium fundyense</i>	40		40				
<i>Ceratium lineatum</i>			40		20		
<i>Ceratium longipes</i>	40						
<i>Ceratium minutum</i>					60		
<i>Heterocapsa triquetra</i>	40	40	40				
Unidentified dinoflagellate	200	80	160		40		40
<i>Asterionellopsis kariana</i>						40	
<i>Bacillaria paxillifer</i>			40				
<i>Chaetoceros compressus</i>					20	20	
<i>Chaetoceros constrictus</i>		40					
<i>Chaetoceros debilis</i>	600	120	720	280	200	40	240
<i>Chaetoceros decipiens</i>	80		40	40		40	
<i>Chaetoceros furcellatus</i>	800	40		840	1200	520	520
<i>Chaetoceros ingolfianus</i>		1000	200	1040	40		200
<i>Chaetoceros simplex</i>					20		
<i>Chaetoceros sp.</i>	2920	1240	5280	920	1060	540	4720
<i>Corethron criophilum</i>		40					
<i>Coscinodiscus sp.</i>						20	
<i>Cylindrotheca closterium</i>		80	80	80	220	100	
<i>Dactyliosolen fragilissimus</i>	40			40	60		40
<i>Ditylum brightwellii</i>				40	20	20	40
<i>Fragilaria crotonensis</i>							40
<i>Grammatophora marina</i>						20	
<i>Guinardia delicatula</i>	40						
<i>Gyrosigma littorale</i>	40						
<i>Leptocylindrus minimus</i>	160		240	40	20	40	240
<i>Navicula sp.</i>	40	80		40		40	
<i>Odontella aurita</i>	40						
<i>Paralia marina</i>					40	20	
<i>Pleurosigma angulatum</i>			40				
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>	40						
<i>Porosira glacialis</i>			120			20	
<i>Pseudo-nitzschia delicatissima</i> group	4520	1000	4120	1320	3420	440	2480
<i>Pseudo-nitzschia seriata</i> group					20		80
<i>Rhizosolenia setigera</i>	40						
<i>Skeletonema costatum</i>	240	240	560	320	240	340	680
<i>Thalassionema nitzschioides</i>							40
<i>Thalassiosira angulata</i>			80	40			
<i>Thalassiosira auguste-lineata</i>	120	160	120	120			80
<i>Thalassiosira baltica</i>						20	120
<i>Thalassiosira gravida</i>	240	40	320	200	100	100	400
<i>Thalassiosira nordenskioeldii</i>	6440	6360	13120	2440	2020	440	3400
<i>Thalassiosira sp.</i>	480	880	1160	2400	640	240	4760
<i>Dictyocha speculum</i>		80					
<i>Mesodinium rubrum</i>	160	680	400	40	40		80
Tintinnids		40	200	80			
Zooplankton		40				20	

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 05- 22- 96</b>							
<i>Alexandrium fundyense</i>	1040	260	480		40		20
<i>Alexandrium fundyense</i> (duplet)	80	20	40				
<i>Alexandrium fundyense</i> (triplet)	40		40				
<i>Ceratium arcticum</i>	40	20					
<i>Ceratium longipes</i>	120	60	40			20	
<i>Ceratium sp.</i>	40	20					
<i>Dinophysis acuminata</i>		20					
<i>Dinophysis sp.</i>	80	20	40				
<i>Heterocapsa triquetra</i>	120		80				
<i>Protoperidinium denticulatum</i>		40					
<i>Protoperidinium ovatum</i>	80	80					
<i>Protoperidinium sp.</i>		20			40		
<i>Scrippsiella trochoidea</i>	120	40					
Unarmoured dinoflagellate	80	140					
Unidentified dinoflagellate	480	440	760	200	80		20
<i>Chaetoceros compressus</i>			40			40	
<i>Chaetoceros convolutus</i>			40				
<i>Chaetoceros debilis</i>			80	120	360	20	80
<i>Chaetoceros decipiens</i>		100	40		40		
<i>Chaetoceros diadema</i>				40			
<i>Chaetoceros furcellatus</i>				880	720	220	100
<i>Chaetoceros ingolfianus</i>							80
<i>Chaetoceros laciniosus</i>	40	20			40		
<i>Chaetoceros simplex</i>				40			
<i>Chaetoceros sp.</i>	160	160	200	440	200	260	1280
<i>Chaetoceros subtilis</i>				40			
<i>Coscinodiscus sp.</i>		20	40				
<i>Cylindrotheca closterium</i>	80	80		400	320	200	20
<i>Dactyliosolen fragilissimus</i>	120						
<i>Ditylum brightwellii</i>	40	40	40		40	20	
<i>Guinardia delicatula</i>				40		20	
<i>Gyrosigma tenuissimum</i>		20					
<i>Leptocylindrus danicus</i>						20	
<i>Leptocylindrus minimus</i>		100	40		80	20	80
<i>Melosira ambigua</i>		40			40		
<i>Navicula sp.</i>	120		80	80			60
<i>Paralia marina</i>							20
<i>Pleurosigma angulatum</i>							20
<i>Porosira glacialis</i>		20		200		20	20
<i>Pseudo-nitzschia delicatissima</i> group	4280	5100	960	6000	2560	1100	2180
<i>Pseudo-nitzschia seriata</i> group			160			20	
<i>Rhizosolenia setigera</i>				40			
<i>Skeletonema costatum</i>	440	840	160	1480	320	340	180
<i>Thalassionema nitzschiooides</i>				40		20	
<i>Thalassiosira angulata</i>			80			40	20
<i>Thalassiosira auguste-lineata</i>					40		
<i>Thalassiosira gravida</i>				240		20	260
<i>Thalassiosira nordenskioeldii</i>	1000	140	4040	2120	1920	540	1840
<i>Thalassiosira sp.</i>	680	280	1320	1440	2040	620	760
<i>Dictyocha speculum</i>	40	20	40				
<i>Dinobryon</i>							80
<i>Mesodinium rubrum</i>	13440	800	1400	40	80		120
<i>Notholca sp.</i>			80	40			



ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 06- 06- 96 (cont'd)</b>							
<i>Mesodinium rubrum</i>	1440		1160	40			
<i>Ptychocylis sp.</i>		400	400	120	40	100	
Tintinnids							
<b>Date: 06- 10- 96</b>							
<i>Alexandrium fundyense</i>	120	600	40	40	20		160
<i>Alexandrium fundyense</i> (duplet)				20			
<i>Alexandrium fundyense</i> (triplet)		40					
<i>Ceratium longipes</i>	40						
<i>Ceratium sp.</i>	40						
<i>Dinophysis norvegica</i>				20			
<i>Protoperidinium depressum</i>					20		
<i>Protoperidinium sp.</i>	40	40	80				
Unarmoured dinoflagellate	40						
Unidentified dinoflagellate	120	240	160	60	20		60
<i>Asterionellopsis glacialis</i>		40				20	
<i>Asterionellopsis kariana</i>				80	20		
<i>Chaetoceros altanticus</i>				40	20		
<i>Chaetoceros compressus</i>	360	320	400	400	40	20	600
<i>Chaetoceros convolutus</i>					20		
<i>Chaetoceros debilis</i>	360	440	320	520	120	20	380
<i>Chaetoceros decipiens</i>	120	240	80	180	100	60	40
<i>Chaetoceros diadema</i>					20		
<i>Chaetoceros didymus</i>	80		40			20	
<i>Chaetoceros furcellatus</i>							80
<i>Chaetoceros ingolfianus</i>	240	120	280	60		40	640
<i>Chaetoceros laciniatus</i>		80	80	60			20
<i>Chaetoceros simplex</i>							20
<i>Chaetoceros socialis</i>	40	40	40				
<i>Chaetoceros sp.</i>	440	320	600	600	460	140	940
<i>Chaetoceros teres</i>				20			
<i>Cylindrotheca closterium</i>	440	240	80	180	560	260	260
<i>Dactyliosolen fragilissimus</i>	120	80		80	20	100	20
<i>Ditylum brightwellii</i>	160	120	80	120	80	80	20
<i>Eucampia sp.</i>	40		20				
<i>Guinardia delicatula</i>	120						
<i>Leptocylindrus danicus</i>				40		40	
<i>Leptocylindrus mediterraneus</i>							20
<i>Leptocylindrus minimus</i>	160	80	120	160	40	60	260
<i>Navicula sp.</i>	120	40		20			60
<i>Paralia marina</i>						40	
<i>Pleurosigma angulatum</i>							40
<i>Porosira glacialis</i>					20		20
<i>Pseudo-nitzschia delicatissima</i> group	1600	640	720	660	1920	2400	1540
<i>Pseudo-nitzschia seriata</i> group	2880	4040	3320	3140	980	560	360
<i>Rhizosolenia hebetata</i>			40				
<i>Rhizosolenia setigera</i>		40		20			
<i>Rhizosolenia sp.</i>		40		40			
<i>Skeletonema costatum</i>	840	1200	520	2160	1460	820	160
<i>Thalassionema nitzschiooides</i>			20				
<i>Thalassiosira angulata</i>	2160	320				20	
<i>Thalassiosira auguste-lineata</i>	80	80		60			20
<i>Thalassiosira baltica</i>	200						20
<i>Thalassiosira gravida</i>		40		100	20	40	120

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 06- 10- 96 (cont'd)</b>							
<i>Thalassiosira nordenskioeldii</i>	5120	5240	4320	4340	1920	620	140
<i>Thalassiosira sp.</i>	1040	2600	1960	7460	6660	480	440
<i>Brachionus sp.</i>	40	80					40
<i>Dictyocha speculum</i>		80	40	20			20
<i>Helicostomella sp.</i>							60
<i>Mesodinium rubrum</i>	920	3520	360	140			600
<i>Parafavella sp.</i>		40		20			
Tintinnids	120	360	40	120			260
<b>Date: 06- 17- 96</b>							
<i>Alexandrium fundyense</i>	480	600	120	160	40		120
<i>Alexandrium fundyense</i> (duplet)	40	40		40			
<i>Alexandrium fundyense</i> (fusing)	40						
<i>Ceratium sp.</i>				40			
<i>Dinophysis acuminata</i>				40			
<i>Dinophysis acuta</i>				40			
<i>Dinophysis sp.</i>					40		
<i>Heterocapsa triquetra</i>		80					20
<i>Protoperidinium sp.</i>	160	80					
<i>Scrippsiella trochoidea</i>		160	80				
Unarmoured dinoflagellate				40			
Unidentified dinoflagellate	80	320		240	60	20	60
<i>Asterionellopsis glacialis</i>		120		80			
<i>Cerataulina pelagica</i>					20		
<i>Chaetoceros compressus</i>	1080	1720	640	1560	580	200	340
<i>Chaetoceros constrictus</i>		80	200		20		20
<i>Chaetoceros convolutus</i>		40					
<i>Chaetoceros debilis</i>	360	800	240	1160	500	160	180
<i>Chaetoceros decipiens</i>	160				120	160	60
<i>Chaetoceros diadema</i>				40	20		
<i>Chaetoceros ingolfianus</i>	240	360		400	80	40	220
<i>Chaetoceros laciniatus</i>	280	520	80	40	20		
<i>Chaetoceros sp.</i>	1480	1480	840	2560	940	420	940
<i>Chaetoceros teres</i>		40					
<i>Corethron criophilum</i>				40			
<i>Coscinodiscus sp.</i>			40				
<i>Cylindrotheca closterium</i>	280	440	80	560	240	360	320
<i>Dactyliosolen fragilissimus</i>	80		40		20	40	40
<i>Ditylum brightwellii</i>	80	40		200	80	40	
<i>Eucampia sp.</i>					40		
<i>Eucampia zodiacus</i>				40			
<i>Guinardia delicatula</i>	120	200	40	80		20	40
<i>Gyrosigma fasciola</i>						20	
<i>Leptocylindrus danicus</i>	40	120	40	200	100	100	
<i>Leptocylindrus minimus</i>	240	120	80	400	240	20	280
<i>Navicula sp.</i>			40	40	80	60	20
<i>Pleurosigma angulatum</i>					40		40
<i>Porosira glacialis</i>			40	80			
<i>Pseudo-nitzschia delicatissima</i> group	320	160	320	720	960	500	780
<i>Pseudo-nitzschia seriata</i> group	7320	4280	2520	5200	3960	1920	140
<i>Rhabdonema sp.</i>							40
<i>Rhizosolenia hebetata</i>	120			80			
<i>Rhizosolenia setigera</i>						20	
<i>Skeletonema costatum</i>	640	600	200	480	500	200	20

ORGANISM	3	15	16-0m	16-	10m	16-	25m	16- 50m	17
<b>Date: 06- 17- 96 (cont'd)</b>									
<i>Stephanopyxis turris</i>					80				
<i>Thalassionema nitzschiooides</i>								20	
<i>Thalassiosira auguste-lineata</i>	80	80				120	160	80	
<i>Thalassiosira gravida</i>	320	320	200	200		80	120		
<i>Thalassiosira nordenskioeldii</i>	4360	5800	960	1280		360	540	40	
<i>Thalassiosira sp.</i>	3680	4000	2600	5360		4820	2900	320	
<i>Dictyocha speculum</i>		80		80					
<i>Mesodinium rubrum</i>	240	1080	320			80		180	
<i>Parafavella sp.</i>	40					20			
Tintinnids	160	160	40	320		100	80	80	
<b>Date: 06- 25- 96</b>									
<i>Alexandrium fundyense</i>	240	320	4400					200	
<i>Alexandrium fundyense</i> (duplet)			320					20	
<i>Amylax triacantha</i>								80	
<i>Ceratium lineatum</i>	40		40						
<i>Ceratium longipes</i>			80	60					
<i>Ceratium sp.</i>	200	80	160			20			
<i>Dinophysis acuminata</i>	40	200	40					80	
<i>Dinophysis acuta</i>	40	160	40	20					
<i>Dinophysis norvegica</i>		200	120					60	
<i>Dinophysis sp.</i>			40						
<i>Heterocapsa triquetra</i>	40	80	200					60	
<i>Protoperidinium depressum</i>		40	40						
<i>Protoperidinium sp.</i>			120	120	20			60	
<i>Scrippsiella trochoidea</i>	200		680					20	
Unarmoured dinoflagellate		120	160					80	
Unidentified dinoflagellate	520		1520			60		260	
<i>Actinoptychus senarius</i>								60	
<i>Asterionellopsis glacialis</i>	80					20	20		
<i>Cerataulina pelagica</i>								40	
<i>Chaetoceros altanticus</i>					20	20			
<i>Chaetoceros compressus</i>	4800	5400	2160	1680	1940	160	560		
<i>Chaetoceros constrictus</i>		80		20					
<i>Chaetoceros debilis</i>	2320	1680	1000	540	560	160	300		
<i>Chaetoceros decipiens</i>	120	160	40	80	60	60			
<i>Chaetoceros furcellatus</i>					20				
<i>Chaetoceros ingolfianus</i>	80	200	40	20	20	20	20		
<i>Chaetoceros laciniatus</i>	240	520	80	160	40				
<i>Chaetoceros lorenzianus</i>					20				
<i>Chaetoceros socialis</i>	80					20			
<i>Chaetoceros sp.</i>	1400	2880	2160	1100	1420	220	920		
<i>Chaetoceros teres</i>		200	40	60	60		60		
<i>Cylindrotheca closterium</i>	120	280	520	660	880	580	440		
<i>Dactyliosolen fragilissimus</i>	80		40					20	
<i>Ditylum brightwellii</i>	80	40	80	80	140	20	20		
<i>Fragilaria sp.</i>	40								
<i>Guinardia delicatula</i>	280	120	80	60				300	
<i>Gyrosigma littorale</i>								20	
<i>Gyrosigma sp.</i>	40								
<i>Lauderia annulata</i>		120							
<i>Leptocylindrus danicus</i>	280		360	440	420	160	2620		
<i>Leptocylindrus minimus</i>	360		160	40	100	60	460		
<i>Licmophora abbreviata</i>		40							

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 06- 25- 96 (cont'd)</b>							
<i>Navicula sp.</i>						20	40
<i>Pleurosigma angulatum</i>			40			20	80
<i>Porosira glacialis</i>				60	80		
<i>Pseudo-nitzschia delicatissima</i> group	200	280	240	20	160	100	500
<i>Pseudo-nitzschia seriata</i> group	19440	2920	2400	4080	4380	1120	1120
<i>Rhizosolenia sp.</i>			20				
<i>Skeletonema costatum</i>	40	640	40	240	80	160	20
<i>Stephanopyxis turris</i>			40		20		20
<i>Thalassionema nitzschioides</i>	40				60	40	
<i>Thalassiosira auguste-lineata</i>	80	40	280	100	80		60
<i>Thalassiosira gravida</i>	480	320	400	200	280	40	20
<i>Thalassiosira nordenskioeldii</i>	80	160	40	20	200	40	
<i>Thalassiosira sp.</i>	640	1360	2160	2280	2720	1100	100
<i>Brachionus sp.</i>			40				
<i>Dictyocha speculum</i>		80	80				
<i>Dinobryon</i>							20
Unidentified flagellate	240						
<i>Favella sp.</i>							20
<i>Helicostomella sp.</i>			80				220
<i>Mesodinium rubrum</i>	4640	1400	7360	240	120		1180
<i>Ptychocylis sp.</i>						20	
Tintinnids	640	320	1280	140	60	120	460
<b>Date: 07- 09- 96</b>							
<i>Alexandrium fundyense</i>	360	140	5680				360
<i>Alexandrium fundyense</i> (cyst)			40				
<i>Alexandrium fundyense</i> (duplet)	20		80				
<i>Amylax triacantha</i>	20						
<i>Ceratium lineatum</i>	40		80		20		
<i>Ceratium longipes</i>	20			40			20
<i>Ceratium sp.</i>		20	560		40		60
<i>Dinophysis acuminata</i>	200		1040				20
<i>Dinophysis acuta</i>		80	760	20			
<i>Dinophysis norvegica</i>	120		200				
<i>Dinophysis pulchella</i>			40				
<i>Dinophysis sp.</i>			80	20			40
<i>Gonyaulax spinifera</i>			200				
<i>Heterocapsa triquetra</i>	100		1040				20
<i>Scrippsiella trochoidea</i>	140		960				140
Unarmoured dinoflagellate	20	20	2920				120
Unidentified dinoflagellate	520	100	3000	80	40		280
<i>Cerataulina pelagica</i>	400	60	40	20	20		2520
<i>Chaetoceros compressus</i>	120	20			20	20	
<i>Chaetoceros constrictus</i>	360	180	80			60	
<i>Chaetoceros debilis</i>	120	80		20			40
<i>Chaetoceros decipiens</i>	20	40	80				
<i>Chaetoceros sp.</i>	320	80	160	60	80	40	80
<i>Coscinodiscus sp.</i>				20	20		
<i>Cylindrotheca closterium</i>	280	140	200	680	520	420	540
<i>Ditylum brightwellii</i>				20		20	
<i>Guinardia delicatula</i>	780	320	40	180		20	6560
<i>Gyrosigma littorale</i>						20	
<i>Leptocylindrus danicus</i>	420	160		60	80	20	620
<i>Leptocylindrus minimus</i>	360	140		20	20	20	400

ORGANISM	3	15	16-0m	16-	10m	16-	25m	16-	50m	17
<b>Date: 07- 09- 96 (cont'd)</b>										
<i>Navicula sp.</i>	20							20		
<i>Paralia marina</i>									20	
<i>Pleurosigma angulatum</i>	20									40
<i>Pseudo-nitzschia delicatissima</i> group	100	140	160	60	40	40	40		140	
<i>Pseudo-nitzschia seriata</i> group	40	40		20						40
<i>Rhizosolenia imbricata</i>										40
<i>Skeletonema costatum</i>	20									
<i>Thalassionema nitzschiooides</i>	40									
<i>Thalassiosira sp.</i>								20		
<i>Dictyocha speculum</i>	180		80	20						120
<i>Favella sp.</i>										20
<i>Helicostomella sp.</i>	20	20	80							20
<i>Mesodinium rubrum</i>	880	140	5160							2780
Tintinnids	300	20	5840	80	100	20				480
<b>Date: 07- 15- 96</b>										
<i>Alexandrium fundyense</i>	220	380	680	80						240
<i>Alexandrium fundyense</i> (duplet)		40								
<i>Ceratium lineatum</i>		40	20							
<i>Ceratium longipes</i>		40	20							
<i>Ceratium sp.</i>	20	40	160	200	40					
<i>Dinophysis acuminata</i>	20	80	140	20						
<i>Dinophysis acuta</i>	60	60	180	80	40					
<i>Dinophysis norvegica</i>			80							
<i>Dinophysis sp.</i>	80		120	40						
<i>Gonyaulax spinifera</i>		40	40							40
<i>Heterocapsa triquetra</i>	40	40	140	40						40
<i>Protoperidinium depressum</i>			20							
<i>Protoperidinium sp.</i>		20		20						
<i>Scrippsiella trochoidea</i>	20	20	220	40						240
Unarmoured dinoflagellate	40	20	120							
Unidentified dinoflagellate	280	240	520	60						180
<i>Cerataulina pelagica</i>	60	180	40							660
<i>Chaetoceros compressus</i>										20
<i>Chaetoceros constrictus</i>			20							
<i>Chaetoceros debilis</i>		20								
<i>Chaetoceros sp.</i>	20	20	60	20						
<i>Coscinodiscus sp.</i>	20	20						60		
<i>Cylindrotheca closterium</i>	180	640	680	1480	720	320	240			
<i>Ditylum brightwellii</i>				20	40					20
<i>Guinardia delicatula</i>	20		60	40	60	20	10060			
<i>Leptocylindrus minimus</i>	40	60								620
<i>Navicula sp.</i>		20	20	20				20		
<i>Pleurosigma angulatum</i>	20	60								60
<i>Pseudo-nitzschia delicatissima</i> group	180	300	60	260	140	20	540			
<i>Pseudo-nitzschia seriata</i> group										20
<i>Skeletonema costatum</i>		20						20		60
<i>Brachionus sp.</i>						20				
<i>Dictyocha speculum</i>	20	40	80	40						
<i>Helicostomella sp.</i>			20	20						
<i>Mesodinium rubrum</i>	740	1840	2640	80	40					200
Tintinnids	960	2300	3860	180	360	20				2420
Zooplankton			120	20						

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 07- 23- 96</b>							
<i>Alexandrium fundyense</i>			20				60
<i>Amylax triacantha</i>							20
<i>Ceratium arcticum</i>			60				
<i>Ceratium lineatum</i>	60	20					
<i>Ceratium longipes</i>	120	160	60		20	20	
<i>Dinophysis acuminata</i>	20	60	100				
<i>Dinophysis acuta</i>	20	20	20	20			
<i>Dinophysis norvegica</i>	60	60	40	60			
<i>Dinophysis sp.</i>	20	20					
<i>Gonyaulax spinifera</i>			40				
<i>Heterocapsa triquetra</i>	80		40				
<i>Protoperidinium sp.</i>				20			
<i>Scrippsiella trochoidea</i>	60			20			20
Unarmoured dinoflagellate	100		160				120
Unidentified dinoflagellate	460	80	240	20	20	20	180
<i>Cerataulina pelagica</i>							100
<i>Chaetoceros decipiens</i>		60					
<i>Chaetoceros simplex</i>		20					60
<i>Chaetoceros sp.</i>		20					
<i>Corethron criophilum</i>						20	
<i>Coscinodiscus sp.</i>	20						
<i>Cylindrotheca closterium</i>	160	120	20	480	440	120	720
<i>Eucampia sp.</i>							20
<i>Guinardia delicatula</i>	840	80	60	20	320	140	20760
<i>Leptocylindrus minimus</i>						20	740
<i>Navicula sp.</i>	40				20		20
<i>Pleurosigma angulatum</i>						20	20
<i>Pseudo-nitzschia delicatissima</i> group	120	40	100	200	160	60	980
<i>Pseudo-nitzschia seriata</i> group	20	120		20			
<i>Skeletonema costatum</i>					20		40
<i>Thalassiosira sp.</i>							20
<i>Dictyocha speculum</i>		60	60	20			20
<i>Helicostomella sp.</i>							20
<i>Mesodinium rubrum</i>	1320	160	1260	80			800
Tintinnids	540	120	260	3560	40	140	140
<b>Date: 07- 30- 96</b>							
<i>Alexandrium fundyense</i>	440	960	860	60			20
<i>Alexandrium fundyense</i> (duplet)	20		80				
<i>Ceratium lineatum</i>	320	1400	240	40	20		20
<i>Ceratium longipes</i>	420	360	220	160	80	20	20
<i>Ceratium sp.</i>		40					
<i>Dinophysis acuminata</i>	80	200		60			20
<i>Dinophysis acuta</i>		20					
<i>Dinophysis norvegica</i>	140	120		100			
<i>Dinophysis pulchella</i>		40					
<i>Dinophysis sp.</i>		40			40		
<i>Gonyaulax digitale</i>	40	160	160				
<i>Gonyaulax spinifera</i>		40					
<i>Heterocapsa triquetra</i>	1840	14920	2220	240			20
<i>Prorocentrum micans</i>		40					
<i>Protoperidinium ovatum</i>			20				20
<i>Protoperidinium sp.</i>	60	80	20				
<i>Scrippsiella trochoidea</i>	400	2000	1140	40			60

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 07- 30- 96 (cont'd)</b>							
Unarmoured dinoflagellate	80	560	200				20
Unidentified dinoflagellate	840	9480	1860	460	60	40	40
<i>Actinoptychus senarius</i>							60
<i>Chaetoceros compressus</i>						20	40
<i>Chaetoceros simplex</i>							20
<i>Chaetoceros sp.</i>					40	20	20
<i>Corethron criophilum</i>			20				
<i>Coscinodiscus sp.</i>	20	40	20			20	
<i>Cylindrotheca closterium</i>	240	160	80	180	240	180	80
<i>Guinardia delicatula</i>	60		20	40	40	80	100
<i>Guinardia flaccida</i>							
<i>Leptocylindrus minimus</i>	20			60	20		160
<i>Navicula sp.</i>	60	120		40		20	20
<i>Pleurosigma angulatum</i>	40	160	20				120
<i>Pseudo-nitzschia delicatissima</i> group	360	360	220	240	480	260	480
<i>Pseudo-nitzschia seriata</i> group	20						
<i>Skeletonema costatum</i>				20			60
<i>Dictyocha speculum</i>	80	120	160	20	20		
<i>Favella sp.</i>			20				
<i>Helicostomella sp.</i>		40					
<i>Mesodinium rubrum</i>	800	880	2040	100			540
Tintinnids	680	680	480	220	60	20	180
<b>Date: 08- 06- 96</b>							
<i>Alexandrium fundyense</i>	680	640	3080	40			140
<i>Alexandrium fundyense</i> (duplet)	20		80				20
<i>Amylax triacantha</i>			40				
<i>Ceratium fusus</i>	20						
<i>Ceratium lineatum</i>	300	1360	280	60			140
<i>Ceratium longipes</i>	220	120	440	280	20		40
<i>Ceratium tripos</i>	20						
<i>Dinophysis acuminata</i>	20	160	160	20			60
<i>Dinophysis acuta</i>		120					20
<i>Dinophysis norvegica</i>	140	200	200	40			140
<i>Dinophysis pulchella</i>	40						
<i>Dinophysis sp.</i>	120	40					
<i>Gonyaulax digitale</i>	320	360	560	20			80
<i>Gonyaulax spinifera</i>			120				
<i>Heterocapsa triquetra</i>	5720	3040	7080				780
<i>Protoperidinium ovatum</i>		40					
<i>Protoperidinium sp.</i>	20	80	80				
<i>Scrippsiella trochoidea</i>	2600	1520	9520	140			400
Unarmoured dinoflagellate	800	480	320	20			240
Unidentified dinoflagellate	2120	1160	5800	160	40		600
<i>Actinoptychus senarius</i>							40
<i>Asterionellopsis kariana</i>						20	
<i>Chaetoceros compressus</i>							20
<i>Chaetoceros densus</i>						20	
<i>Chaetoceros simplex</i>				40			2420
<i>Chaetoceros sp.</i>	20		40	20		20	480
<i>Chaetoceros subtilis</i>			40				
<i>Coscinodiscus sp.</i>						40	
<i>Cylindrotheca closterium</i>	260	40	280	1340	540	280	780
<i>Ditylum brightwellii</i>						20	

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 08- 06- 96 (cont'd)</b>							
<i>Guinardia delicatula</i>	140	40	40	40	40		80
<i>Leptocylindrus minimus</i>				20	40		160
<i>Navicula sp.</i>				40	20		
<i>Pleurosigma angulatum</i>	20						40
<i>Pseudo-nitzschia delicatissima</i> group	1120	2040	1760	2320	620	140	800
<i>Pseudo-nitzschia seriata</i> group						40	40
<i>Rhabdonema sp.</i>							20
<i>Skeletonema costatum</i>		40			60	20	240
<i>Dictyocha speculum</i>	140	360	480	20			2620
<i>Helicostomella sp.</i>	20	40	40				160
<i>Mesodinium rubrum</i>	2080	960	3200	260			2500
Tintinnids	380	920	440	160	60		140
Zooplankton					20		60
<b>Date: 08- 12- 96</b>							
<i>Alexandrium fundyense</i>	1240	16160	2520	20	20		
<i>Alexandrium fundyense</i> (cyst)				20			
<i>Alexandrium fundyense</i> (duplet)		720					
<i>Ceratium fusus</i>	40			20			
<i>Ceratium lineatum</i>	760	400	560				200
<i>Ceratium longipes</i>	120	80	120	20	80		40
<i>Ceratium minutum</i>	40						
<i>Ceratium sp.</i>			280		20		
<i>Dinophysis acuminata</i>			280	100	20		40
<i>Dinophysis norvegica</i>	320		40	40	20		40
<i>Dinophysis sp.</i>	40			40			
<i>Gonyaulax digitale</i>	640	10880	440				
<i>Gonyaulax spinifera</i>	720	320	40				
<i>Heterocapsa triquetra</i>	760	1440	4600				280
<i>Protoperdinium ovatum</i>			40				
<i>Protoperdinium sp.</i>	40		120				
<i>Scirpsiella trochoidea</i>	6400	46240	8080	20	40		40
Unarmoured dinoflagellate	360	1680	1920	20			40
Unidentified dinoflagellate	2400	24000	3520	80	60		80
<i>Asterionellopsis glacialis</i>					20		
<i>Chaetoceros compressus</i>					20		120
<i>Chaetoceros constrictus</i>	80		80				480
<i>Chaetoceros debilis</i>					40		
<i>Chaetoceros decipiens</i>					60		
<i>Chaetoceros simplex</i>	160		120	60	40		3080
<i>Chaetoceros sp.</i>	120	80		240	380	40	1440
<i>Chaetoceros subtilis</i>		160					80
<i>Coscinodiscus sp.</i>	40						
<i>Cylindrotheca closterium</i>	400	80	240	40	260	380	2600
<i>Ditylum brightwellii</i>					20		120
<i>Guinardia delicatula</i>	240	80	160	180	80	20	600
<i>Leptocylindrus danicus</i>	40						
<i>Leptocylindrus minimus</i>	200	80	200	40	100		440
<i>Navicula sp.</i>	40						
<i>Pseudo-nitzschia delicatissima</i> group	8680	17200	22480	110976	58120	900	3280
<i>Pseudo-nitzschia seriata</i> group						20	120
<i>Skeletonema costatum</i>	240	560	560	140	160		65280
<i>Thalassionema nitzschioides</i>					20	40	
<i>Thalassiosira auguste-lineata</i>	80			20			

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 08- 12- 96 (cont'd)</b>							
<i>Thalassiosira sp.</i>			40			20	200
<i>Dictyocha speculum</i>	400	80	760	40	20	20	1000
<i>Helicostomella sp.</i>			120				40
<i>Mesodinium rubrum</i>	1000	4800	3200	120			7120
Tintinnids	800	1200	480	500	320		
<b>Date: 08- 20- 96</b>							
<i>Alexandrium fundyense</i>	1320	2880	6600		20		
<i>Alexandrium fundyense</i> (duplet)	40		40				
<i>Ceratium fusus</i>	40	80					40
<i>Ceratium lineatum</i>	1400	11280	680	120		20	640
<i>Ceratium longipes</i>	280	400	520	40	60	40	
<i>Ceratium sp.</i>		80					
<i>Dinophysis acuminata</i>	80	160		20			
<i>Dinophysis norvegica</i>	80	80	80	40	40		
<i>Dinophysis sp.</i>	40			20			
<i>Gonyaulax digitale</i>	120	560	760		20		
<i>Heterocapsa triquetra</i>	80	2080	720				40
<i>Protoperidinium sp.</i>			80				40
<i>Scrippsiella trochoidea</i>	2200	18880	5960	40			160
Unarmoured dinoflagellate	40	560	440				
Unidentified dinoflagellate	1520	6960	2800	60			160
<i>Chaetoceros compressus</i>	760	1440	600	700	320	40	360
<i>Chaetoceros constrictus</i>	3560	8080	1280	380	340	40	120
<i>Chaetoceros debilis</i>	360	1040	200	100	20		160
<i>Chaetoceros decipiens</i>	240	320	80	20			
<i>Chaetoceros laciniatus</i>	200	480		20			
<i>Chaetoceros simplex</i>	80		40	220	80		9120
<i>Chaetoceros sp.</i>	1600	2800	5560	2120	980	180	5440
<i>Chaetoceros subtilis</i>	40						
<i>Corethron criophilum</i>		80	80	20	20	20	40
<i>Coscinodiscus sp.</i>	40				20		
<i>Cylindrotheca closterium</i>		560	80	120	120	40	1640
<i>Ditylum brightwellii</i>	40	80	40	80	60	20	120
<i>Guinardia delicatula</i>	1480	2160	760	300	140	40	240
<i>Leptocylindrus danicus</i>	40						
<i>Leptocylindrus minimus</i>	680	320	160	200	220	80	400
<i>Navicula sp.</i>							40
<i>Pleurosigma angulatum</i>							40
<i>Pseudo-nitzschia delicatissima</i> group	150144	76704	120768	151776	83232	26112	68544
<i>Pseudo-nitzschia seriata</i> group	120	800	320	220	80	0	480
<i>Rhabdonema sp.</i>							80
<i>Skeletonema costatum</i>	1080	2800	2040	1660	940	200	448800
<i>Thalassionema nitzschioides</i>			40	20		20	
<i>Thalassiosira auguste-lineata</i>							
<i>Thalassiosira sp.</i>	40	320	320	80	20		80
<i>Brachionus sp.</i>	40						
<i>Dictyocha speculum</i>	200	160	40	40	40		600
<i>Helicostomella sp.</i>	200		120				
<i>Mesodinium rubrum</i>	160	320	1800	20			360
<i>Parafavella sp.</i>				20			
Tintinnids	200	160	160	120	40		40

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 08- 27- 96</b>							
<i>Alexandrium fundyense</i>	960	280	920				
<i>Alexandrium fundyense</i> (duplet)	40						
<i>Alexandrium fundyense</i> (planozygote)			40				
<i>Amylax triacantha</i>	160						
<i>Ceratium lineatum</i>	2840	14320	3000	80	80	80	260
<i>Ceratium longipes</i>		240	240	40	20		80
<i>Ceratium minutum</i>		80					
<i>Ceratium sp.</i>			40				
<i>Dinophysis acuminata</i>	8	240	40				
<i>Dinophysis acuta</i>		80					
<i>Dinophysis norvegica</i>	120	120		40			20
<i>Dinophysis sp.</i>							20
<i>Gonyaulax digitale</i>		40	40				
<i>Heterocapsa triquetra</i>		360	40				20
<i>Phalacroma rotundatum</i>		40	40	40			
<i>Protoperidinium sp.</i>	80	360	80				
<i>Scrippsiella trochoidea</i>	1760	2160	2880				20
Unarmoured dinoflagellate	280	240					40
Unidentified dinoflagellate	880	1520	880		40		40
<i>Actinoptychus senarius</i>				80			
<i>Asterionellopsis glacialis</i>							20
<i>Cerataulina pelagica</i>	80	40					40
<i>Chaetoceros compressus</i>	440	360	80	560	580	40	60
<i>Chaetoceros constrictus</i>	560	360	360	560	680	160	500
<i>Chaetoceros debilis</i>	800	480	40	680	700	80	180
<i>Chaetoceros decipiens</i>			40		80		20
<i>Chaetoceros diadema</i>						40	
<i>Chaetoceros didymus</i>					20		
<i>Chaetoceros ingolfianus</i>					20		
<i>Chaetoceros laciniosus</i>	320	200	120	280	200	40	20
<i>Chaetoceros lorenzianus</i>	200						20
<i>Chaetoceros simplex</i>	240		40	40	40	120	900
<i>Chaetoceros socialis</i>	120			80	80		
<i>Chaetoceros sp.</i>	2840	600	360	1480	1060	1160	760
<i>Corethron criophilum</i>	120	120	40	200	60	120	60
<i>Coscinodiscus sp.</i>		40		40			
<i>Cylindrotheca closterium</i>	120	80	40	120	140	160	120
<i>Ditylum brightwellii</i>	960	960	240	1240	500	120	180
<i>Guinardia delicatula</i>	13520	12200	9120	6600	2600	560	3600
<i>Gyrosigma littorale</i>							20
<i>Leptocylindrus danicus</i>	80						
<i>Leptocylindrus minimus</i>	1640	1280	320	1200	700	640	2420
<i>Navicula sp.</i>							20
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>						40	
<i>Pseudo-nitzschia delicatissima</i> group	57120	17952	35904	48960	37536	26520	76704
<i>Pseudo-nitzschia seriata</i> group	2640	1600	840	1760	460	200	1280
<i>Skeletonema costatum</i>	3560	2280	1200	5560	5240	2960	16040
<i>Thalassionema nitzschiooides</i>						80	
<i>Thalassiosira auguste-lineata</i>	120	120		120	120	40	
<i>Thalassiosira gravida</i>				40	40		
<i>Thalassiosira rotula</i>	160	80			20		40
<i>Thalassiosira sp.</i>	120	80	40	520	340		80
<i>Brachionus sp.</i>		80					

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 08- 27- 96 (cont'd)</b>							
<i>Dictyocha speculum</i>	80	120	200	80	20	40	300
<i>Favella sp.</i>		80	120				
<i>Helicostomella sp.</i>	80	440	240				
<i>Mesodinium rubrum</i>	880	1880	360	40			1940
Tintinnids	80	280					40
<b>Date: 09- 09- 96</b>							
<i>Alexandrium fundyense</i>			60				
<i>Ceratium fusus</i>	20	80		40	40	20	
<i>Ceratium lineatum</i>	6960	16800	8940	10160	1080	80	520
<i>Ceratium longipes</i>	120	120	80	120	120		
<i>Ceratium sp.</i>	60	40	40	320			60
<i>Dinophysis acuminata</i>	40	120	80	40			
<i>Dinophysis acuta</i>	20	120	40	80		20	20
<i>Dinophysis norvegica</i>	20		140				
<i>Dinophysis sp.</i>	60	120	120		40	20	
<i>Gonyaulax digitale</i>	20	40					
<i>Heterocapsa triquetra</i>	100	400	240	120			
<i>Phalacroma rotundatum</i>	20			120			
<i>Prorocentrum micans</i>		40	20				
<i>Protoperidinium ovatum</i>				40			
<i>Protoperidinium sp.</i>		400					40
<i>Scrippsiella trochoidea</i>	240	680	740	280			100
Unarmoured dinoflagellate	20	200	140				100
Unidentified dinoflagellate	360	480	420	320			20
<i>Cerataulina pelagica</i>	40	40	20		40		80
<i>Chaetoceros compressus</i>						20	
<i>Chaetoceros lorenzianus</i>							20
<i>Chaetoceros simplex</i>							20
<i>Chaetoceros socialis</i>			40				
<i>Chaetoceros sp.</i>	20		20	40			60
<i>Corethron criophilum</i>				40		20	
<i>Coscinodiscus sp.</i>						20	20
<i>Cylindrotheca closterium</i>	60	160	40	120	80	20	140
<i>Ditylum brightwellii</i>	520	280	20	40	80	40	40
<i>Fragilaria sp.</i>	20						
<i>Guinardia delicatula</i>	66900	16320	7140	5760	4160	3360	2780
<i>Guinardia flaccida</i>			20		40		60
<i>Leptocylindrus danicus</i>	360	880	600	1160	920	400	20
<i>Leptocylindrus minimus</i>	500	320	340	880	360	320	20
<i>Navicula sp.</i>						20	20
<i>Pleurosigma angulatum</i>	20						
<i>Pseudo-nitzschia delicatissima</i> group				40		140	40
<i>Pseudo-nitzschia seriata</i> group	240	360	60	120	440	80	
<i>Rhabdonema sp.</i>							20
<i>Rhizosolenia setigera</i>	60	40				40	
<i>Skeletonema costatum</i>	20					20	20
<i>Thalassionema nitzschiooides</i>	20					40	
<i>Dictyocha speculum</i>	100	320	420	280	40		200
<i>Helicostomella sp.</i>			20				
<i>Mesodinium rubrum</i>	740	2320	1920	400			340
Tintinnids	280	120	280	200		20	620
Zooplankton	40	40				20	

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 09- 17- 96</b>							
<i>Alexandrium fundyense</i>			80				
<i>Amylax triacantha</i>			20				
<i>Ceratium arcticum</i>				20			
<i>Ceratium fusus</i>	20						
<i>Ceratium lineatum</i>	1900	7000	80	640	340	40	1440
<i>Ceratium longipes</i>	40	80		20			
<i>Ceratium sp.</i>	40	40		20			
<i>Dinophysis acuminata</i>	60	20					
<i>Dinophysis acuta</i>	40						
<i>Dinophysis norvegica</i>	20						
<i>Dinophysis sp.</i>	60	60					
<i>Gonyaulax digitale</i>			20				
<i>Gonyaulax spinifera</i>			60				
<i>Gyrodinium aureolum</i>		20	40				
<i>Heterocapsa triquetra</i>		20	20				
<i>Phalacroma rotundatum</i>		40			20		20
<i>Scrippsiella trochoidea</i>	100	80	7140				460
Unarmoured dinoflagellate	20		20	20			60
Unidentified dinoflagellate	100	60	260	40			200
Unidentified dinoflagellate (small round)			4480				
<i>Actinoptychus senarius</i>						200	
<i>Cerataulina pelagica</i>						20	
<i>Chaetoceros simplex</i>							60
<i>Chaetoceros sp.</i>			40				
<i>Corethron criophilum</i>			20			20	20
<i>Coscinodiscus sp.</i>		20	60				
<i>Cylindrotheca closterium</i>	60		20	60	60	40	20
<i>Ditylum brightwellii</i>	40			40	20	20	20
<i>Fragilaria sp.</i>		40	20				
<i>Guinardia delicatula</i>	340	120	260	160	140	220	100
<i>Leptocylindrus danicus</i>	40	120	80				
<i>Leptocylindrus minimus</i>	40	20	60	20	120	20	
<i>Licmophora abbreviata</i>	20						
<i>Navicula sp.</i>					20	20	
<i>Paralia marina</i>						20	
<i>Pleurosigma angulatum</i>	60						80
<i>Pseudo-nitzschia delicatissima</i> group			20	20	20		
<i>Pseudo-nitzschia seriata</i> group	60		20	20		20	
<i>Pseudo-nitzschia sp.</i>			40		20		
<i>Rhizosolenia setigera</i>	20						
<i>Skeletonema costatum</i>							40
<i>Thalassionema nitzschioides</i>					60	100	
<i>Thalassiosira baltica</i>				60	40		
<i>Thalassiosira sp.</i>	20					20	
<i>Dictyocha speculum</i>	80	120	100	80			540
Unidentified flagellate			20				
<i>Favella sp.</i>			40				
<i>Helicostomella sp.</i>	20		120				
<i>Mesodinium rubrum</i>	20	20	460	160			340
Tintinnids	80		760	100		80	40
Zooplankton				40	40		

ORGANISM	3	15	16-0m	16-	10m	16-	25m	16-	50m	17
<b>Date: 09- 24- 96</b>										
<i>Alexandrium fundyense</i>			20							
<i>Ceratium lineatum</i>	200	120	220	180					620	
<i>Ceratium longipes</i>				20	20					
<i>Ceratium macroceros</i>	20	20								
<i>Ceratium minutum</i>		20							40	
<i>Ceratium sp.</i>									20	
<i>Dinophysis acuminata</i>			20							
<i>Dinophysis acuta</i>	40		40	20					20	
<i>Dinophysis norvegica</i>							20			
<i>Dinophysis sp.</i>	20		20							
<i>Heterocapsa triquetra</i>			20							
<i>Phalacroma rotundatum</i>				20						
<i>Prorocentrum micans</i>	20									
<i>Protoperidinium pellucidum</i>				20						
<i>Protoperidinium sp.</i>				20						
<i>Scrippsiella trochoidea</i>	80		40						140	
Unidentified dinoflagellate	20		60	60		20			100	
<i>Actinoptychus senarius</i>	60	40		180						
<i>Asterionellopsis glacialis</i>						20				
<i>Bacillaria paxillifer</i>			20							
<i>Chaetoceros decipiens</i>			40			20				
<i>Chaetoceros lorenzianus</i>	20									
<i>Chaetoceros simplex</i>		20								
<i>Chaetoceros sp.</i>			20			20			20	
<i>Chaetoceros subtilis</i>			20	20						
<i>Corethron criophilum</i>	20	20	20	60	80				20	
<i>Coscinodiscus sp.</i>	40			20	20				40	
<i>Cylindrotheca closterium</i>	80	40	80	240	300					
<i>Ditylum brightwellii</i>		20	20	40	20					
<i>Fragilaria sp.</i>	880	1800	1700							
<i>Grammatophora marina</i>			20							
<i>Guinardia delicatula</i>		40		80	60					
<i>Leptocylindrus minimus</i>			80	80	60					
<i>Licmophora abbreviata</i>	80	20								
<i>Licmophora flabellata</i>	300	380	320							
<i>Melosira moniliformis</i>	40	60								
<i>Melosira sp.</i>				20	20					
<i>Navicula sp.</i>				20	20					
<i>Odontella aurita</i>	60	20								
<i>Pleurosigma angulatum</i>	40								20	
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>								20		
<i>Pseudo-nitzschia delicatissima</i> group	40	40		20	100					
<i>Pseudo-nitzschia seriata</i> group					20	20				
<i>Rhabdonema sp.</i>	20								20	
<i>Skeletonema costatum</i>	20		20	20					180	
<i>Thalassionema nitzschiooides</i>	20				60	100				
<i>Dictyocha speculum</i>	80	20	40	80	20				780	
<i>Favella sp.</i>		20								
<i>Mesodinium rubrum</i>				660					20	
Tintinnids	80	100	60	40				20	100	
Zooplankton					20					

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 10- 08- 96</b>							
<i>Alexandrium fundyense</i>			20				
<i>Ceratium lineatum</i>	360	40	760	1040	140		20
<i>Ceratium longipes</i>			20				
<i>Ceratium sp.</i>				20			
<i>Ceratium tripos</i>	20	20					
<i>Dinophysis acuminata</i>				80			
<i>Dinophysis acuta</i>	60		40	20	20		
<i>Dinophysis sp.</i>			20		60		20
<i>Dinophysis tripos</i>				20			
<i>Gonyaulax spinifera</i>			20				
<i>Heterocapsa triquetra</i>			20	20			
<i>Prorocentrum micans</i>				20			
<i>Protoperidinium sp.</i>			20	40			
<i>Protoperidinium steinii</i>							20
<i>Scrippsiella trochoidea</i>	20		40	20	20		
Unidentified dinoflagellate	120	20	140	20			40
<i>Actinoptychus senarius</i>	140	40		40	100	100	60
<i>Asterionellopsis glacialis</i>	20	40	20		20		
<i>Chaetoceros debilis</i>			60				
<i>Chaetoceros simplex</i>	60	20	100	100	20	20	140
<i>Chaetoceros sp.</i>			20				20
<i>Corethron criophilum</i>	120	100	80	160	20	40	100
<i>Coscinodiscus sp.</i>						20	
<i>Cylindrotheca closterium</i>	240	260	120	180	180	120	60
<i>Ditylum brightwellii</i>	40	120		40	20	40	20
<i>Fragilaria sp.</i>	100						700
<i>Guinardia delicatula</i>			20	20			
<i>Gyrosigma /Pleurosigma</i>	80						
<i>Gyrosigma fasciola</i>			100				
<i>Gyrosigma littorale</i>	20		20				
<i>Helicotheca tamesis</i>						20	
<i>Leptocylindrus minimus</i>			40				
<i>Licmophora abbreviata</i>	20						140
<i>Licmophora flabellata</i>							360
<i>Navicula sp.</i>			20		20		
<i>Paralia marina</i>						20	
<i>Pseudo-nitzschia delicatissima</i> group	140	180		20	60	20	
<i>Rhizosolenia imbricata</i>	20				20		
<i>Skeletonema costatum</i>	20	80	180	60	120	20	180
<i>Thalassionema nitzschiooides</i>	60	20	40	40	120	120	
<i>Thalassiosira angulata</i>				20			
<i>Thalassiosira sp.</i>	20		120	20		20	
<i>Triceratium alternans</i>	20						
<i>Dictyocha speculum</i>	220	60		300	280	20	640
<i>Helicostomella sp.</i>			20				
<i>Mesodinium rubrum</i>	280	40	4400	20			80
Tintinnids	40	40	480	40			60
Zooplankton			40	40			

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 10- 21- 96</b>							
<i>Ceratium fusus</i>				20			
<i>Ceratium lineatum</i>	40		80	60		20	40
<i>Ceratium longipes</i>			20				
<i>Ceratium tripos</i>			40			20	
<i>Dinophysis acuta</i>							20
<i>Dinophysis sp.</i>			20				
Unidentified dinoflagellate	20		20				
Unidentified dinoflagellate (small round)							20
<i>Achnanthes sp.</i>							20
<i>Actinoptychus senarius</i>	80	80	240	260	200	160	180
<i>Asterionellopsis glacialis</i>		20	80	20	20	20	40
<i>Biddulphia regia</i>			20				
<i>Cerataulina pelagica</i>							20
<i>Chaetoceros affinis</i>		20					
<i>Chaetoceros altanticus</i>	20			20	20		
<i>Chaetoceros constrictus</i>	20						
<i>Chaetoceros debilis</i>	80		20		20	20	
<i>Chaetoceros decipiens</i>	20				20		40
<i>Chaetoceros simplex</i>	100	20			20		40
<i>Chaetoceros sp.</i>	40	20	20	20		40	
<i>Corethron criophilum</i>	180	120		20	40	80	100
<i>Coscinodiscus sp.</i>	20		20	20	20	20	20
<i>Cylindrotheca closterium</i>	440	160	240	20	380	300	180
<i>Ditylum brightwellii</i>	120	80	500	260	340	240	
<i>Fragilaria sp.</i>		60	80				2220
<i>Grammatophora marina</i>							300
<i>Guinardia delicatula</i>	40	20	140	200	340	100	
<i>Gyrosigma fasciola</i>	20						
<i>Gyrosigma littorale</i>	20						
<i>Gyrosigma tenuissimum</i>				20	20		
<i>Leptocylindrus minimus</i>		60	120	60	60		
<i>Licmophora abbreviata</i>							180
<i>Melosira monoliformis</i>			80				700
<i>Melosira sp.</i>						40	
<i>Navicula sp.</i>			40		60	40	60
<i>Odontella aurita</i>							120
<i>Pleurosigma angulatum</i>	20					20	
<i>Pleurosigma angulatum</i> var. <i>strigosa</i>					20	20	
<i>Pseudo-nitzschia delicatissima</i> group		120	140	20	220	40	40
<i>Rhabdonema sp.</i>							40
<i>Rhizosolenia pungens</i>	20			40			
<i>Skeletonema costatum</i>	80	80			60		
<i>Thalassionema nitzschioides</i>	100		20	80	40	20	
<i>Thalassiosira sp.</i>	20		20				
<i>Triceratium alternans</i>		20					
<i>Dictyocha fibula</i>	40						
<i>Dictyocha speculum</i>	40			60	40	20	60
<i>Mesodinium rubrum</i>	160	80	80				2320
Tintinnids		20		20			
Zooplankton			20		20		20

ORGANISM	3	15	16-0m	16- 10m	16- 25m	16- 50m	17
<b>Date: 12- 17- 96</b>							
<i>Ceratium fusus</i>				20	20		
<i>Ceratium lineatum</i>	20	60	60	60			20
<i>Dinophysis acuminata</i>		20					
<i>Dinophysis</i> sp.				20			
Unarmoured dinoflagellate		20					
Unidentified dinoflagellate		20	20	60			
<i>Actinoptychus senarius</i>				80	160	80	
<i>Asterionellopsis glacialis</i>	40			20			
<i>Asterionellopsis kariana</i>			20				
<i>Biddulphia regia</i>					20		
<i>Chaetoceros debilis</i>						20	20
<i>Chaetoceros simplex</i>							40
<i>Corethron criophilum</i>				20	20	40	
<i>Coscinodiscus</i> sp.	40	20		40		20	
<i>Cylindrotheca closterium</i>	220	240	120	180	140	240	300
<i>Ditylum brightwellii</i>	20	20	60		20	60	80
<i>Grammatophora marina</i>	40						140
<i>Guinardia delicatula</i>	80		20		20	20	
<i>Guinardia striata</i>			20				
<i>Leptocylindrus danicus</i>				20	20		
<i>Leptocylindrus minimus</i>	40	20	20	20			
<i>Licmophora abbreviata</i>	20						20
<i>Licmophora flabellata</i>							60
<i>Melosira ambigua</i>		20					
<i>Melosira</i> sp.		20	20	40	20	20	120
<i>Navicula</i> sp.		20					20
<i>Odontella aurita</i>							20
<i>Pseudo-nitzschia delicatissima</i> group	180	60	40	200	80		60
<i>Pseudo-nitzschia seriata</i> group				20		20	60
<i>Rhizosolenia imbricata</i>				40			
<i>Rhizosolenia setigera</i>						20	
<i>Skeletonema costatum</i>	60				20	20	20
<i>Thalassionema nitzschiooides</i>		20		20	60		
<i>Dictyocha speculum</i>	20			20			
<i>Mesodinium rubrum</i>	60	160	360				40
Tintinnids	40	120	60	40			180
Zooplankton		40					

**Appendix 4. Plant nutrient, temperature and salinity data obtained during phytoplankton sampling during 1993-96**



Date mm/dd/yy	Temp. Surface	Temp. Bottom	Salinity Surface	Salinity Bottom	Silicate Surface	Phosphate Surface	Nitrate Surface	Ammonia Surface
<b>Station 3</b>								
1/7/93	3.5	3.9	31.97	31.99	7.25	0.913	6.97	4.21
2/12/93	-0.3	0.2	31.86	31.88				
3/9/93	-0.4	0.1	31.58	31.58				
4/15/93	3.0	2.3	30.33	30.52				
5/12/93	4.5	4.3	30.01	30.18				
5/26/93	6.0	5.2	30.34	30.47				
6/1/93	5.0	5.1	30.83	30.85				
6/7/93	6.0	5.8	30.52	30.75				
6/15/93	9.5	5.6	29.52	30.78				
6/24/93	8.2	5.9	31.31	31.36	2.64	0.897	3.53	6.50
6/29/93	8.8	7.8	30.97	31.09	3.29	0.990	3.32	
7/6/93	9.0	8.8	30.95	31.00	1.64	0.650	1.81	3.23
7/13/93	12.3	9.8	30.75	30.85	1.23	0.691	0.67	3.80
7/20/93	10.5	9.6	31.04	31.13	2.10	0.741	1.99	5.28
7/26/93	11.5	10.2	31.16	31.34	3.37	1.034	3.18	4.81
8/3/93	10.8	10.3	31.37	31.38	2.72	0.619	2.53	4.18
8/10/93	12.2	11.0	31.36	31.46	6.02	1.169	4.53	4.80
8/16/93	12.3	11.9	31.42	31.43	4.84	1.026	2.73	3.59
8/23/93	12.1	11.7	31.60	31.66	6.80	1.127	4.25	5.46
8/30/93	12.7	11.8	31.78	31.77	6.10	0.848	4.25	3.16
9/7/93	12.8	12.0	31.67	31.75	6.36	1.170	3.13	6.33
9/20/93	11.7	11.7	31.84	31.84				
9/27/93	11.1	11.4	31.87	31.89	6.33	0.976	6.04	4.36
10/12/93	9.9	10.3	31.96	31.96				
10/25/93	9.0	9.6	31.88	32.13	8.85	1.216	8.96	4.14
11/12/93	8.5	8.9	32.16	32.16				
11/23/93	7.0							
12/7/93	6.8	7.3	31.86	31.92	6.59	0.636		1.58
1/11/94	2.2	3.2	31.90	32.02	8.22	0.934	10.15	1.60
2/8/94	-0.5	1.3	31.79	31.79				
3/15/94	0.6	1.0	31.57	31.59	8.36	0.864	9.62	2.10
3/29/94	1.1	1.4	31.14	31.34	8.99	0.880	9.44	1.86
4/28/94	4.2	3.5						
5/17/94	6.8	5.0	30.54	31.28	7.25	0.883	7.13	3.92
5/24/94	6.8	5.6	30.63	31.54	7.21	0.733	6.93	1.94
6/7/94	8.0	7.2	31.14	32.03	0.80	0.471	1.15	1.32
6/14/94	8.5	8.4	31.24	31.31	0.98	0.552	1.99	2.49
6/21/94	9.0	8.7	31.27	31.37				
6/28/94	10.2	10.2	31.56	32.17				
7/11/94	12.1	11.4	31.23	32.41	3.22	0.702	2.35	4.09
7/19/94	12.6	11.7	31.83	32.83				
7/26/94	11.5	11.6	31.89	32.14				
8/4/94	13.0	12.3	32.16	32.02				
8/10/94	13.2	13.1	31.78	31.78				
8/16/94	12.8	12.5	32.36	32.96	6.77	1.092	4.80	4.70
8/23/94	12.9	12.8	32.19	32.64	6.59	0.829	6.06	3.86
8/30/94	13.8	13.2	32.34	33.23	3.77	0.757	3.33	1.76
9/6/94	12.8	13.2	32.32	32.29	2.89	0.623	1.17	2.25

Date mm/dd/yy	Temp. Surface	Temp. Bottom	Salinity Surface	Salinity Bottom	Silicate Surface	Phosphate Surface	Nitrate Surface	Ammonia Surface
<b>Station 3</b>								
9/13/94	13.0	12.9	32.46	33.09	4.26	0.925	3.25	3.76
9/20/94	12.6	12.8	32.64	32.90	4.38	0.926	3.82	3.45
9/27/94	13.5	13.2	32.75	33.18	3.71	1.013	2.88	3.15
10/4/94	11.7	12.2	32.72	32.76	10.24	1.552	6.22	3.58
10/17/94	10.6	11.3	32.57	32.47	5.57	1.002	6.46	2.92
11/17/94	9.4	9.9	32.59	32.61	10.54	1.443	9.15	2.11
12/13/94	5.2	6.5	32.19	32.04	11.74	1.571	10.16	1.67
1/26/95	2.6	3.7	30.73	30.36	10.62	1.035	9.96	1.59
2/27/95	1.0				8.37	0.948	8.88	1.81
3/20/95	1.5	1.9	31.30	31.24	9.31	0.815	8.84	1.31
4/18/95	3.8	3.5	31.22	31.20	8.46		7.68	1.59
5/10/95	4.0	4.3	30.68	30.93	5.61	0.540	5.07	1.52
5/23/95	7.0	5.1	30.58	30.98	8.70	0.608	6.42	1.13
6/6/95	8.4	6.9	30.77	30.90	3.08	0.576	2.26	1.60
6/13/95	7.3	6.9	31.07	30.97	2.37	0.553	3.20	1.69
6/21/95	10.1	7.5	30.94	31.19	3.72	0.681	3.95	3.31
6/27/95	9.8	8.5	31.63	31.30	4.16	0.641	4.86	2.60
7/5/95	11.7	9.4	31.28	31.32	4.69	0.689	3.69	2.79
7/12/95	10.3	9.8	31.81	31.45	4.22	0.757	3.12	2.88
7/19/95	10.3	9.9	31.19	31.47	4.73	0.621	2.27	2.61
7/24/95	11.1	10.5	31.76	31.51	3.66	0.570	1.84	2.34
8/1/95	13.2	12.0	31.37	31.50	3.58	0.686	2.13	3.11
8/8/95	12.2	12.0	31.53	31.52	4.75	0.738	3.71	4.22
8/17/95	12.4	11.4	31.78	31.89	5.86	0.992	5.45	1.20
8/22/95	12.8	12.9	31.85	31.85	5.41	0.689	3.32	1.20
8/29/95	11.8	12.1	32.02	32.04	3.42	0.753	3.92	2.11
9/5/95	12.7	12.1	32.08	32.11	1.09	0.691	2.24	2.22
9/12/95	12.0	12.0	32.19	32.20	4.00	0.794	3.39	2.99
9/20/95	11.8				3.19	0.779	2.31	2.97
9/26/95	12.2	12.6	32.05	32.08				
10/10/95	11.4	11.9	32.23	32.23				
10/24/95	10.2	11.6	32.23	32.22				
11/22/95	8.2							
12/19/95	4.3	4.8	23.09	32.07		0.880	10.18	1.81
1/23/96	2.8	3.4	31.97	31.97	9.02	0.911	8.82	1.08
2/20/96	1.0							
3/19/96	2.1	2.4	31.19	31.21	7.59	0.783	7.01	1.73
4/29/96	5.0	4.3	31.02	31.31	8.96	0.816	7.87	1.23
5/8/96	6.0	5.2	30.24	30.55	7.48	0.751	5.59	1.34
5/22/96	6.4	5.5	28.99	30.55	6.22	0.602	4.18	1.50
6/6/96	7.5	7.0	30.80	32.23	1.75	0.485	1.69	0.87
6/10/96	8.0				0.66	0.485	0.64	0.79
6/17/96	8.0				0.48	0.386	0.63	2.78
6/25/96	9.1	8.2	30.62	31.77	0.80	0.438	0.59	3.27
7/9/96	9.7	8.9	31.18	32.23	2.84	0.764	2.73	2.67
7/15/96	10.2	9.7	30.74	31.94	2.57	0.665	2.31	2.40
7/23/96	12.2	9.7	30.41	32.91	5.79	0.947	3.25	3.14
7/30/96	11.4	10.6	31.06	32.15	4.45	0.809	2.98	2.26

Date mm/dd/yy	Temp. Surface	Temp. Bottom	Salinity Surface	Salinity Bottom	Silicate Surface	Phosphate Surface	Nitrate Surface	Ammonia Surface
<b>Station 3</b>								
8/6/96	12.8	10.9	30.94	31.23	5.36	0.846	3.46	
8/12/96	12.5	10.9	31.23	31.42	5.59	0.902	3.86	3.11
8/20/96	11.7	11.3	31.45	31.53	3.87	0.753	2.79	2.72
8/27/96	12.0	11.8	31.60	31.65	3.36	0.731	2.59	2.34
9/9/96	12.0	12.2	31.83	31.85	5.37	0.829	3.21	1.85
9/17/96	12.5	11.9	31.52	31.78	6.77	0.923	4.36	3.98
9/24/96	11.4	12.0	31.73	31.72	6.08	1.051	4.92	3.73
10/8/96	10.8	11.3	31.79	31.82	8.21	1.036	6.54	2.20
10/21/96	9.2	10.3	31.85	31.91	8.40	0.981	7.15	2.59
11/12/96	8.8	8.9	31.62	31.65				
12/17/96	5.8	6.1	30.98	30.98				
<b>Station 15</b>								
1/7/93	3.9	4.4	32.06	32.09	9.52	1.048	9.34	6.18
2/12/93	0.0	0.4	31.93	31.96				
3/9/93	-0.4	0.1	31.62	31.62				
4/15/93	2.0	1.8	30.08	30.43				
5/12/93	4.5	4.4	29.45	29.62				
5/26/93	6.0	5.9	30.14	30.15				
6/1/93	5.2	5.3	30.81	30.85				
6/7/93	5.5	5.4	30.69	30.78				
6/15/93	10.2	7.6	29.06	29.61				
6/24/93	9.2	5.8	31.42	31.43	1.73	0.929	2.88	3.65
6/29/93	9.8	7.3	31.05	31.19	1.27	0.621	0.63	
7/6/93	9.8	8.6	30.82	30.95	0.83	0.489	0.39	2.55
7/13/93	12.0	8.0	30.41	31.21	1.10	0.591	0.35	4.01
7/20/93	10.9	9.8	30.97	31.11	1.15	0.478	0.46	2.30
7/26/93	10.1	9.4	31.33	31.42	1.79	0.757	1.91	3.55
8/3/93	11.7	10.2	31.29	31.32	2.36	0.741	2.28	2.68
8/10/93	11.5	10.4	31.38	31.52	4.52	0.779	3.35	2.35
8/16/93	13.1	10.8	31.31	31.44	3.55	0.883	0.86	2.24
8/23/93	12.5	11.2	31.64	31.68	5.87	0.836	3.44	3.77
8/30/93	12.9	11.5	31.63	31.79	4.31	0.716	1.65	2.30
9/7/93	13.6	11.7	31.58	31.76	3.91	0.559	0.13	2.23
9/20/93	11.6	11.7	31.85	31.85				
9/27/93	11.2	11.3	31.90	31.91	5.89	0.812	5.80	2.43
10/12/93	9.9	10.2	31.92	31.95				
10/25/93	9.1	9.8	32.02	32.22	7.59	0.886	7.60	2.09
11/12/93	8.5	8.9	32.26	32.26				
11/23/93	7.9							
12/7/93	6.9	7.5	31.69	31.70				
1/11/94	2.6	3.2	31.91	32.13	8.15	0.916	9.96	1.32
2/8/94	-1.0	0.4	31.84	31.84	8.64	0.912	9.63	1.48
3/15/94	0.8	0.8	31.83	31.97	8.08	0.895	8.59	1.77
3/29/94	1.1	1.3	31.03	31.16	9.39	0.846	9.39	1.56
4/28/94	4.8	3.3						
5/17/94	6.1	5.5	28.92	29.18	8.77	0.675	7.17	2.55

Date mm/dd/yy	Temp. Surface	Temp. Bottom	Salinity Surface	Salinity Bottom	Silicate Surface	Phosphate Surface	Nitrate Surface	Ammonia Surface
<b>Station 15</b>								
5/24/94	6.8	5.3	29.99	31.44	6.77	0.601	5.36	1.05
6/7/94	8.2	8.4	31.00	31.13	0.27	0.325	0.28	2.78
6/14/94	9.0	7.4	29.05	32.33	1.00	0.325	0.82	2.01
6/21/94	10.0	8.5	30.97	31.33				
6/28/94	10.5	9.3	31.18	32.48				
7/11/94	12.5	11.5	31.01	32.57	2.58	0.459	1.13	1.86
7/19/94	12.1	10.6	31.61	33.26				
7/26/94	12.2	11.2	32.13	33.31				
8/4/94	13.4	12.4	31.83	31.97				
8/10/94	14.8	12.7	31.62	31.93				
8/16/94	13.8	12.3	32.07	33.65	5.89	0.929	3.23	2.31
8/23/94	13.2	12.5	32.27	33.19	6.07	0.767	5.30	3.07
8/30/94	14.1	13.3	32.24	33.53	1.08	0.234	0.03	1.01
9/6/94	12.5	13.0	32.34	32.36	3.62	0.467	0.98	1.31
9/13/94	13.1	12.8	32.58	32.94	3.56	0.559	1.47	1.63
9/20/94	12.8	12.7	32.61	33.17	4.14	0.777	3.07	2.75
9/27/94	13.1	13.1	32.75	33.22	2.39		0.33	1.00
10/4/94	11.8	12.2	32.70	32.89	10.73	1.352	5.46	2.93
10/17/94	10.5	11.3	32.95	32.76	4.38	0.758	5.52	1.67
11/17/94	9.7	10.0	32.49	32.69	10.90	1.350	9.41	1.18
12/13/94	4.9	6.1	32.17	31.95	10.11	1.367	9.84	1.25
1/26/95	2.6	3.4	31.20	30.68	8.03	0.753	7.77	1.52
2/27/95	0.4				8.64	0.833	8.65	0.97
3/20/95	1.5	1.9	31.13	31.24	9.61	0.836	9.26	2.94
4/18/95	4.0	3.3	31.27	31.34	8.46	0.756	8.02	0.99
5/10/95	3.8	3.8	30.30	31.05	7.53	0.604	6.76	1.22
5/23/95	6.8	4.4	30.42	31.23	5.97	0.337	4.91	1.50
6/6/95	8.4	5.7	30.93	31.25	1.00	0.278	0.69	1.42
6/13/95	8.8	6.1	30.48	31.12	0.96	0.081	0.65	1.00
6/21/95	8.8	6.6	31.17	31.40	3.22	0.424	4.06	1.68
6/27/95	9.9	8.8	31.46	31.28	3.71	0.446	4.19	1.52
7/5/95	9.9	8.2	31.43	31.46	3.33	0.366	2.47	1.60
7/12/95	10.2	9.3	31.52	31.48	3.20	0.412	2.64	2.26
7/19/95	9.9	9.8	31.47	31.45	4.66	0.544	2.95	2.11
7/24/95	12.6	11.2	31.80	31.47	2.90	0.372	0.15	0.99
8/1/95	13.0	12.7	30.72	30.85	3.72	0.572	2.32	1.61
8/8/95	13.8	11.7	31.46	31.60	4.19	0.570	2.93	1.23
8/17/95	13.0	10.9	31.86	31.94	5.15	0.795	4.77	1.81
8/22/95	13.9	13.2	31.86	31.88	3.06	0.503	0.55	1.58
8/29/95	12.3	11.5	32.01	32.07	0.57	0.495	0.07	0.89
9/5/95	12.5	11.8	32.05	32.12	0.36	0.317	0.02	1.16
9/12/95	12.0	11.8	32.18	32.19	2.15	0.511	1.14	1.80
9/20/95	12.0				0.87	0.412	0.03	1.67
9/26/95	12.2	12.6	32.04	32.07				
10/10/95	11.2	11.8	32.27	32.29				
10/24/95	11.0	11.6	32.21	32.26	6.74	0.468	5.04	7.39
11/22/95	8.0							
12/19/95	4.8	4.6	32.16	32.14				
1/23/96	4.0	4.6	31.70	32.12	4.91	0.658	5.46	4.31

Date mm/dd/yy	Temp. Surface	Temp. Bottom	Salinity Surface	Salinity Bottom	Silicate Surface	Phosphate Surface	Nitrate Surface	Ammonia Surface
<b>Station 15</b>								
2/20/96	1.1							
3/19/96	2.5	2.4	31.33	31.39	8.03	0.781	7.33	1.00
4/29/96	4.7	4.2	30.94	31.38	7.12	0.649	6.62	0.88
5/8/96	6.0	4.3	29.83	30.95	7.33	0.648	5.10	1.14
5/22/96	6.4	5.8	28.35	29.97	7.96	0.603	4.76	0.95
6/6/96	8.2	6.4	30.43	31.98				
6/10/96	8.2				0.71	0.381	0.24	0.60
6/17/96	8.2				0.44	0.408	0.19	1.13
6/25/96	8.5	7.3	30.42	31.93	0.89	0.448	0.63	1.14
7/9/96	9.0	8.5	31.41	32.09	2.42	0.720	2.61	2.14
7/15/96	10.0	9.9	30.50	31.27	2.73	0.621	2.29	1.80
7/23/96	11.0	8.8	31.67	33.58	3.03	0.637	2.80	2.50
7/30/96	12.0	10.4	30.90	32.84	3.92	0.687	2.23	1.54
8/6/96	12.0	9.4	31.02	31.55	4.05	0.646	2.43	3.07
8/13/96	12.1	10.9	31.26	31.41	3.71	0.640	1.75	2.17
8/20/96	13.0	10.5	31.40	31.68	3.07	0.629	0.99	0.93
8/27/96	12.0	11.6	31.63	31.68	2.74	0.690	1.59	1.57
9/9/96	12.0	12.0	31.85	31.86	4.62	0.656	2.35	1.71
9/17/96	12.8	11.8	31.57	31.82	6.01	0.803	4.04	1.83
9/24/96	11.8	11.9	31.78	31.78	6.53	1.071	5.54	1.33
10/8/96	10.9	11.2	31.87	31.91	7.53	0.938	6.26	0.84
10/21/96	9.1	10.1	30.94	31.94	7.87	0.898	6.87	0.91
11/12/96	8.9	9.6	31.10	30.47				
12/17/96	5.8	6.4	30.85	30.93				

Date	Depth	Temp.	Salinity	Silicate	Phosphate	Nitrate	Ammonia
<b>Station 16</b>							
1/7/93	0 m	4.0	32.13	8.78	0.915	8.84	2.58
1/7/93	10 m	4.5	32.13	10.03	1.083	9.46	2.21
1/7/93	25 m	4.5	32.13	9.11	0.911	8.84	2.71
1/7/93	50 m	4.5	32.14	5.91	0.748	5.87	3.48
2/12/93	0 m	0.6	31.97				
2/12/93	10 m	1.5	31.98				
2/12/93	25 m	1.5	31.98				
2/12/93	50 m	1.5	31.97				
4/15/93	0 m	2.1	30.39				
4/15/93	10 m	1.7	30.87				
4/15/93	25 m	1.7	31.32				
4/15/93	50 m	1.6	31.51				
5/12/93	0 m	4.5	30.23				
5/12/93	10 m	3.1	31.01				
5/12/93	25 m	3.0	31.14				
5/12/93	50 m	2.6	31.41				
5/26/93	0 m	5.5	26.46				
5/26/93	10 m	4.4	30.84				
5/26/93	25 m	3.8	31.09				
5/26/93	50 m	3.4	31.35				
6/1/93	0 m	4.8	30.86				
6/1/93	10 m	4.8	30.86				
6/1/93	25 m	4.5	30.93				
6/1/93	50 m	3.8	31.44				
6/7/93	0 m	6.1	30.03				
6/7/93	10 m	5.3	30.53				
6/7/93	25 m	5.1	30.80				
6/7/93	50 m	4.2	31.25				
6/15/93	0 m	8.4	29.67				
6/15/93	10 m	6.1	30.57				
6/15/93	25 m	5.0	31.43				
6/15/93	50 m	4.7	31.66				
6/24/93	0 m	7.5	31.12	1.04	0.456	1.70	3.35
6/24/93	10 m	6.4	31.15	1.77	0.594	3.03	
6/24/93	25 m	6.2	31.19	4.46	0.887	5.72	3.61
6/24/93	50 m	5.6	31.67	3.99	0.812	5.21	3.31
6/29/93	0 m	8.4	31.11	0.44	0.454	0.16	
6/29/93	10 m	6.7	31.32	2.43	0.809	3.70	
6/29/93	25 m	6.1	31.45	3.24	0.840	4.57	
6/29/93	50 m	5.8	31.76	5.16	0.948	6.32	
7/6/93	0 m	9.0	30.88	0.97	0.518	0.67	
7/6/93	10 m	7.7	31.11	1.47	0.663	2.56	2.80
7/6/93	25 m	7.3	31.29	2.87	0.752	4.30	3.52
7/6/93	50 m	6.4	31.63	4.53	0.875	5.66	3.84
7/13/93	0 m	11.1	30.16	2.36	0.579	0.73	4.85
7/13/93	10 m	8.8	30.94	0.95	0.581	1.54	2.60
7/13/93	25 m	7.3	31.48	2.94	0.781	4.50	3.56
7/13/93	50 m	6.9	31.75	5.87	0.942	6.05	4.02
7/20/93	0 m	10.2	31.23	0.52	0.429	0.16	2.87
7/20/93	10 m	8.6	31.38	2.16	0.669	3.21	3.06

Date	Depth	Temp.	Salinity	Silicate	Phosphate	Nitrate	Ammonia
<b>Station 16</b>							
7/20/93	25 m	7.8	31.63	3.82	0.874	5.05	3.25
7/20/93	50 m	7.2	31.91	5.26	0.884	6.25	3.19
7/26/93	0 m	9.7	31.38	0.87	0.657	0.90	4.42
7/26/93	10 m	8.9	31.50	1.86	0.813	2.80	2.90
7/26/93	25 m	8.4	31.68	3.82	1.004	4.78	3.20
7/26/93	50 m	7.7	31.95	5.88	0.974	6.65	3.14
8/3/93	0 m	10.2	31.39	2.60	0.806	3.12	2.86
8/3/93	10 m	9.8	31.43	2.76	0.888	3.44	2.77
8/3/93	25 m	9.3	31.56	2.04	0.717	2.63	2.14
8/3/93	50 m	8.2	31.90	4.99	0.924	6.07	2.36
8/10/93	0 m	11.7	31.32	2.98	0.732	3.13	2.76
8/10/93	10 m	10.7	31.51	3.69	0.641	3.29	1.73
8/10/93	25 m	9.4	31.71	4.83	0.929	5.33	2.53
8/10/93	50 m	8.8	31.87	5.99	0.868	6.02	2.48
8/16/93	0 m	12.8	31.32	3.05	0.697	0.67	2.41
8/16/93	10 m	11.2	31.45	3.70	0.845	2.74	3.67
8/16/93	25 m	10.3	31.72	4.98	0.961	4.86	2.93
8/16/93	50 m	8.5	32.15	5.52	0.839	6.85	2.03
8/23/93	0 m	11.8	31.68	4.50	0.743	3.24	2.42
8/23/93	10 m	10.4	31.78	5.24	0.907	5.11	2.40
8/23/93	25 m	9.9	31.84	5.40	0.827	5.60	3.13
8/23/93	50 m	9.5	31.98	6.26	0.971	6.42	2.47
8/30/93	0 m	12.2	31.84	2.64	0.483	0.21	1.54
8/30/93	10 m	11.0	31.88	4.45	0.878	3.88	1.82
8/30/93	25 m	10.7	31.92	4.36	0.769	4.15	1.74
8/30/93	50 m	10.0	32.02	4.58	0.843	5.12	2.28
9/7/93	0 m	12.7	31.64	3.47	0.580	0.34	1.94
9/7/93	10 m	11.4	31.83	4.28	0.779	2.57	2.61
9/7/93	25 m	11.1	31.87	5.02	0.810	3.78	2.33
9/7/93	50 m	10.3	31.99	5.10	0.926	4.63	2.52
9/27/93	0 m	10.8	31.98	4.94	0.675	6.17	1.39
9/27/93	10 m	10.9	31.99	5.04	0.730	6.34	2.54
9/27/93	25 m	10.8	32.01	5.34	0.679	6.62	1.22
9/27/93	50 m	9.9	32.29	6.92	0.882	8.99	1.07
10/25/93	0 m	9.5	32.21	7.68	0.823	8.92	2.31
10/25/93	10 m	9.7	32.31	8.04	0.871	9.40	1.11
10/25/93	25 m	9.7	32.50	7.96	0.850	9.73	0.83
10/25/93	50 m	9.7	32.85	8.62	0.844	10.70	0.85
11/12/93	0 m	8.9	32.32				
11/12/93	10 m	9.1	32.34				
11/12/93	25 m	9.2	32.40				
11/12/93	50 m	9.6	32.80				
11/23/93	0 m	7.9					
11/23/93	10 m						
11/23/93	25 m						
11/23/93	50 m						
12/7/93	0 m	7.0	32.32				
12/7/93	10 m	7.9	32.34				
12/7/93	25 m	8.0	32.42				
12/7/93	50 m	8.0	32.53				

Date	Depth	Temp.	Salinity	Silicate	Phosphate	Nitrate	Ammonia
<b>Station 16</b>							
1/11/94	0 m	3.9	32.09	7.57	0.916	9.80	0.99
1/11/94	10 m	4.7	32.17	7.47	0.906	9.90	1.72
1/11/94	25 m	4.9	32.10	7.30	0.892	9.77	0.75
1/11/94	50 m	5.0	32.26	5.28	0.796	7.29	1.37
3/15/94	0 m	0.8	31.88	7.86	0.891	9.85	1.18
3/15/94	10 m	1.2	31.95	7.82	0.881	10.06	1.38
3/15/94	25 m	1.3	31.98	7.82	0.887	9.95	0.86
3/15/94	50 m	1.3	32.01	7.94	0.918	9.74	0.83
3/29/94	0 m	1.1	31.08	9.02	0.877	10.07	2.27
3/29/94	10 m	1.3	31.22	3.58	0.511	4.47	1.75
3/29/94	25 m	1.4	31.43	8.75	0.838	9.80	1.39
3/29/94	50 m	1.6	31.84	7.84	0.879	9.71	0.78
5/17/94	0 m	6.2	29.80	5.43	0.587	5.14	3.36
5/17/94	10 m	4.7	30.64				
5/17/94	25 m	4.5	30.76				
5/17/94	50 m	4.5	31.22				
5/24/94	0 m	6.1	30.51	6.04	0.750	6.30	4.68
5/24/94	10 m	6.0	30.71	6.20	0.682	6.68	1.17
5/24/94	25 m	5.5	31.33	6.70	0.809	8.36	1.78
5/24/94	50 m	5.7	31.47	6.56	0.850	9.39	1.50
7/11/94	0 m	12.9	31.44	1.51	0.335	0.67	2.75
7/11/94	10 m	11.0	32.42	1.75	0.375	1.18	1.42
7/11/94	25 m	10.3	33.45	3.20	0.557	3.82	2.20
7/11/94	50 m	8.5	33.72	5.26	0.785	7.50	2.33
7/19/94	0 m	11.8	31.52				
7/19/94	10 m	11.2	32.08				
7/19/94	25 m	10.0	33.06				
7/19/94	50 m	9.0	33.35				
7/26/94	0 m	11.2	31.94				
7/26/94	10 m	11.5	31.91				
7/26/94	25 m	10.4	32.86				
7/26/94	50 m	9.7	33.34				
8/4/94	0 m	12.9	31.81				
8/4/94	10 m	12.4	32.19				
8/4/94	25 m	11.2	33.23				
8/4/94	50 m	9.8	34.44				
8/10/94	0 m	13.7	32.39				
8/10/94	10 m	12.0	33.78				
8/10/94	25 m	11.3	33.84				
8/10/94	50 m	10.3	33.27				
8/16/94	0 m	12.9	32.23	6.45	0.919	5.17	2.01
8/16/94	10 m	11.7	32.95	4.47	0.722	3.94	2.28
8/16/94	25 m	10.8	33.84	7.30	1.019	7.95	1.79
8/16/94	50 m	10.2	33.65	8.60	1.246	10.00	2.09
8/23/94	0 m	12.4	31.86	5.69	0.712	6.06	1.47
8/23/94	10 m	12.2	33.24	5.94	0.712	6.51	1.29
8/23/94	25 m	11.8	32.95	7.27	0.824	8.94	1.47
8/23/94	50 m	11.0	33.16	8.00	0.862	9.95	2.88
8/30/94	0 m	13.5	32.25	1.43	0.237	0.08	3.02
8/30/94	10 m	12.5	33.35	4.24	0.670	4.16	0.65

Date	Depth	Temp.	Salinity	Silicate	Phosphate	Nitrate	Ammonia
<b>Station 16</b>							
8/30/94	25 m	11.9	33.31	6.99	0.838	7.04	0.34
8/30/94	50 m	10.8	34.28	10.42	0.883	8.73	0.45
9/13/94	0 m	13.0	32.79	3.04	0.464	1.10	1.13
9/13/94	10 m	12.1	33.63	5.88	0.730	4.78	2.19
9/13/94	25 m	11.9	33.34	6.46	0.706	5.23	1.46
9/13/94	50 m	11.5	33.26	7.69	0.829	6.55	1.80
9/20/94	0 m	12.7	32.54	3.76	0.496	1.95	1.20
9/20/94	10 m	12.7	32.88	3.96	0.572	2.59	2.85
9/20/94	25 m	12.1	33.45	5.38	0.796	5.14	2.18
9/20/94	50 m	11.3	33.66	6.67	0.844	7.50	1.64
9/27/94	0 m	13.1	32.69	2.88	0.528	2.40	2.69
9/27/94	10 m	12.6	33.26	2.72	0.642	3.83	1.15
9/27/94	25 m	12.5	33.30	3.54	0.709	4.94	1.26
9/27/94	50 m	11.9	33.36	5.89	0.905	6.74	1.71
10/4/94	0 m	11.7	32.79	10.83	1.243	6.20	2.81
11/17/94	0 m	9.9	32.72	11.21	1.368	9.09	2.90
11/17/94	10 m	10.4	32.72	11.52	1.442	9.44	1.16
11/17/94	25 m	10.4	32.58	10.53	1.359	9.12	1.00
11/17/94	50 m	10.4	32.67	10.48	1.389	9.46	0.59
12/13/94	0 m	6.1	32.58	11.26	1.393	10.43	1.20
12/13/94	10 m	7.5	32.56	11.46	1.267	10.22	0.41
12/13/94	25 m	7.5	32.63	11.16	1.380	10.24	0.59
12/13/94	50 m	7.5	32.56	11.07	1.373	10.21	0.34
1/26/95	0 m	2.7	31.33	9.06		9.02	0.75
1/26/95	10 m	4.0	31.36	8.86	0.661	8.93	0.73
1/26/95	25 m	4.9	31.48	8.02	0.801	8.85	0.66
1/26/95	50 m	5.0	31.73	6.08	0.788	6.59	0.81
2/27/95	0 m	1.2		8.17	0.868	8.72	0.92
2/27/95	10 m			8.19	0.830	8.67	0.81
2/27/95	25 m			8.01	0.831	8.49	0.79
2/27/95	50 m			8.05	0.831	9.35	0.81
3/20/95	0 m	1.8	31.30	9.38	0.792	9.21	0.96
3/20/95	10 m	2.1	31.16	9.50	0.819	8.98	0.76
3/20/95	25 m	2.0	31.52	8.91	0.765	8.64	0.85
3/20/95	50 m	2.3	31.74	8.32	0.812	9.03	0.75
4/18/95	0 m	3.5	31.17	9.02	0.673	8.75	1.65
4/18/95	10 m	3.2	31.41	8.62	0.892	8.68	0.72
4/18/95	25 m	3.3	31.66	8.08	0.803	8.55	0.77
4/18/95	50 m	3.2	31.70	8.08	0.792	8.56	0.90
5/10/95	0 m	4.8	31.28	6.96	0.717	7.13	1.15
5/10/95	10 m	4.2	31.20	7.17	0.905	6.89	1.08
5/10/95	25 m	4.0	31.63	3.75	0.640	4.08	1.35
5/10/95	50 m	4.1	31.98	6.82	0.886	8.26	1.26
5/23/95	0 m	6.2	30.13	8.95	0.215	5.10	1.50
6/6/95	0 m	7.2	30.95	2.15	0.281	1.54	1.74
6/13/95	0 m	8.2	30.41	1.08	0.165	0.86	1.52
6/13/95	10 m	6.8	31.12	2.61	0.581	3.84	1.71
6/13/95	25 m	6.0	31.71	4.49	0.680	6.74	2.03
6/13/95	50 m	5.6	32.02	5.44	0.722	7.73	1.64
6/21/95	0 m	9.0	31.22	2.91	0.435	3.77	1.34

Date	Depth	Temp.	Salinity	Silicate	Phosphate	Nitrate	Ammonia
<b>Station 16</b>							
6/21/95	10 m	7.1	31.15	3.52	0.574	5.16	1.93
6/21/95	25 m	6.2	31.59	4.57	0.695	6.44	1.86
6/21/95	50 m	5.9	31.92	5.62	0.757	7.28	2.21
6/27/95	0 m	9.4	31.93	3.61	0.549	5.41	2.22
6/27/95	10 m	8.0	31.47	3.60	0.576	5.43	1.15
6/27/95	25 m	7.1	31.61	3.96	0.656	6.07	1.39
6/27/95	50 m	6.4	31.79	4.76	0.804	6.85	1.41
7/5/95	0 m	9.1	31.91	3.19	0.491	3.36	1.82
7/5/95	10 m	8.0	31.51	3.33	0.491	4.02	1.34
7/5/95	25 m	7.2	31.68	3.99	0.628	5.52	1.57
7/5/95	50 m	7.0	31.82	4.68	0.693	6.61	1.57
7/12/95	0 m	10.0	31.57	3.00	0.514	3.11	2.44
7/12/95	10 m	8.8	31.54	3.45	0.513	4.08	1.43
7/12/95	25 m	8.3	31.65	4.07	0.621	4.91	1.73
7/12/95	50 m	7.5	31.88	4.54	0.671	6.22	1.68
7/19/95	0 m	9.6	31.66	3.18	0.561	2.93	2.10
7/19/95	10 m	9.6	31.55	3.39	0.480	3.02	1.14
7/19/95	25 m	8.9	31.71	4.41	0.614	4.47	1.51
7/19/95	50 m	8.2	31.96	5.39	0.711	6.12	2.08
7/24/95	0 m	11.2	31.81	2.14	0.286	0.99	1.22
7/24/95	10 m	10.2	31.58	2.99	0.478	2.76	1.19
7/24/95	25 m	9.6	31.68	3.20	0.552	3.48	1.80
7/24/95	50 m	8.2	32.17	9.21	0.742	7.02	1.64
8/1/95	0 m	11.6	31.63	2.15	0.473	1.78	1.25
8/1/95	10 m	10.9	31.59	4.34	0.619	3.66	0.93
8/1/95	25 m	9.7	31.91	5.74	0.759	5.78	1.44
8/1/95	50 m	8.4	32.26	5.14	0.644	6.02	0.92
8/8/95	0 m	11.8	31.63	3.73	0.452	3.16	1.35
8/8/95	10 m	11.1	31.67	4.06	0.578	4.08	1.62
8/8/95	25 m	9.9	31.91	5.72	0.718	5.94	1.08
8/8/95	50 m	8.8	32.28	7.41	0.835	8.21	2.11
8/17/95	0 m	12.4	31.94	4.76	0.578	3.49	1.13
8/17/95	10 m	10.7	32.04	5.50	0.739	5.69	0.90
8/17/95	25 m	10.5	32.07	5.78	0.840	6.14	1.60
8/17/95	50 m	10.0	32.12	6.42	0.749	6.63	1.43
8/22/95	0 m	13.0	31.90	0.94	0.342	0.04	3.77
8/22/95	10 m	13.1	31.89	0.95	0.321	0.01	3.25
8/22/95	25 m	10.9	32.02	6.41	0.742	5.35	1.45
8/22/95	50 m	9.2	32.45	7.88	0.891	8.77	0.94
8/29/95	0 m	11.9	32.03	0.32	0.321	0.05	3.11
8/29/95	10 m	11.7	32.06	1.77	0.542	1.88	3.67
8/29/95	25 m	11.2	32.12	3.72	0.660	4.46	1.00
8/29/95	50 m	10.5	32.27	7.05	0.741	6.06	0.99
9/5/95	0 m	12.0	32.10	0.55	0.324	0.02	0.85
9/5/95	10 m	12.0	32.13	0.86	0.385	0.25	0.81
9/5/95	25 m	11.0	32.22	3.62	0.671	4.32	1.53
9/5/95	50 m	10.1	32.44	6.74	0.839	7.63	1.08
9/12/95	0 m	11.3	32.27	4.25	0.718	4.20	1.85
9/12/95	10 m	11.4	32.28	4.54	0.804	4.57	1.86
9/12/95	25 m	11.2	32.31	4.97	0.748	5.18	1.79

Date	Depth	Temp.	Salinity	Silicate	Phosphate	Nitrate	Ammonia
<b>Station 16</b>							
9/12/95	50 m	10.3	32.51	6.56	0.847	7.26	1.55
9/20/95	0 m	12.0		2.36	0.488	1.16	1.62
9/20/95	10 m			1.87	0.628	0.99	1.36
9/20/95	25 m			3.82	0.663	3.77	1.56
9/20/95	50 m			5.28	0.766	5.92	1.30
9/26/95	0 m	12.1	32.10				
9/26/95	10 m	12.5	32.10				
9/26/95	25 m	12.2	32.17				
9/26/95	50 m	11.3	32.38				
10/10/95	0 m	11.5	32.30				
10/10/95	10 m	11.7	32.31				
10/10/95	25 m	11.7	32.33				
10/10/95	50 m	11.6	32.35				
10/24/95	0 m	11.0	32.33				
10/24/95	10 m	11.5	32.34				
10/24/95	25 m	11.4	32.36				
10/24/95	50 m						
11/22/95	0 m	8.5					
11/22/95	10 m						
11/22/95	25 m						
11/22/95	50 m						
12/19/95	0 m	5.2	32.20				
12/19/95	10 m	6.1	32.21				
12/19/95	25 m	6.2	32.25				
12/19/95	50 m	7.7	32.63				
3/19/96	0 m	2.5	31.35	8.03	0.955	7.63	1.82
3/19/96	10 m	2.7	31.35	7.23	0.884	6.83	4.12
3/19/96	25 m	2.5	31.36	6.04	0.615	5.90	1.40
3/19/96	50 m	2.9	31.71	6.21	0.676	6.37	1.10
4/29/96	0 m	5.2	31.05	6.69	0.591	5.89	1.47
4/29/96	10 m	4.2	31.42	4.51	0.458	4.66	2.24
4/29/96	25 m	3.9	31.70	6.75	0.690	7.24	2.33
4/29/96	50 m	3.8	31.86	7.47	0.754	8.44	0.51
5/8/96	0 m	5.1	29.76	6.11	0.504	3.83	1.06
5/8/96	10 m	4.7	30.76	7.21	0.741	6.24	0.79
5/8/96	25 m	4.3	31.51	6.19	0.730	6.58	1.65
5/8/96	50 m	4.2	31.72	5.44	0.695	5.80	1.74
5/22/96	0 m	5.8	29.63	5.92	0.558	4.48	1.58
5/22/96	10 m	5.6	30.61	5.04	0.726	4.89	1.39
5/22/96	25 m	5.0	31.23	4.83	0.770	5.37	0.97
5/22/96	50 m	4.6	31.63	5.39	0.802	6.13	1.17
6/6/96	0 m	7.2	29.75	0.96	0.398	0.65	2.89
6/6/96	10 m	5.7	30.96	3.34	0.580	4.57	0.80
6/6/96	25 m	5.4	30.66	3.96	0.700	4.91	2.19
6/6/96	50 m	5.3	30.18	4.24	0.623	5.12	1.09
6/10/96	0 m	7.2		0.46	0.318	0.20	0.79
6/10/96	10 m			0.51	0.347	0.64	0.94
6/10/96	25 m			2.73	0.582	4.43	1.28
6/10/96	50 m			3.73	0.600	5.20	2.28

Date	Depth	Temp.	Salinity	Silicate	Phosphate	Nitrate	Ammonia
<b>Station 16</b>							
6/17/96	0 m	7.5		1.16	0.509	1.93	2.10
6/17/96	10 m			1.30	0.512	2.25	0.85
6/17/96	25 m			1.67	0.577	3.04	0.88
6/17/96	50 m			2.59	0.647	4.21	0.87
6/25/96	0 m	7.8	30.95	1.84	0.514	1.85	2.19
6/25/96	10 m	7.7	31.22	1.09	0.502	2.05	1.96
6/25/96	25 m	7.1	31.53	1.51	0.553	2.82	1.35
6/25/96	50 m	6.4	32.11	2.44	0.651	4.24	3.27
7/9/96	0 m	8.9	31.36	1.45	0.595	2.40	1.46
7/9/96	10 m	8.0	32.43	2.33	0.642	3.24	3.80
7/9/96	25 m	7.7	32.19	2.64	0.779	3.78	3.39
7/9/96	50 m	7.5	32.55	2.84	0.733	3.67	2.01
7/15/96	0 m	9.5	31.17	2.07	0.625	2.48	1.31
7/15/96	10 m	9.7	30.96	1.69	0.558	2.19	1.42
7/15/96	25 m	9.0	31.86	1.96	0.580	2.73	1.63
7/15/96	50 m	7.5	31.92	2.84	0.595	3.84	3.54
7/23/96	0 m	10.8	31.30	2.53	0.570	2.31	3.54
7/23/96	10 m	10.1	31.89	2.73	0.632	2.94	0.98
7/23/96	25 m	8.1	33.28	3.83	0.730	4.37	
7/23/96	50 m	7.8	33.34	4.04	0.759	5.09	0.98
7/30/96	0 m	10.4	31.40	4.12	0.689	3.25	2.56
7/30/96	10 m	10.0	32.18	4.39	0.672	3.97	2.95
7/30/96	25 m	9.1	32.88	4.57	0.730	4.66	1.69
7/30/96	50 m	8.0	33.00	4.59	0.764	5.17	1.54
8/6/96	0 m	12.0	31.11	3.90	0.596	1.65	1.38
8/6/96	10 m	9.7	31.50	4.72	0.733	4.72	1.65
8/6/96	25 m	8.9	31.77	5.33	0.815	5.95	0.87
8/6/96	50 m	8.3	32.11	5.63	0.806	6.51	1.05
8/13/96	0 m	11.8	31.34	3.72	0.563	1.67	3.34
8/13/96	10 m	10.1	31.57	4.38	0.650	4.09	1.30
8/13/96	25 m	9.7	31.59	4.25	0.632	4.10	2.99
8/13/96	50 m	8.7	32.05	6.12	0.828	6.96	0.87
8/20/96	0 m	12.1	31.34	1.94	0.506	0.71	1.60
8/20/96	10 m	10.7	31.55	3.66	0.642	3.71	1.06
8/20/96	25 m	10.0	31.80	5.14	0.769	5.48	0.73
8/20/96	50 m	9.5	32.01	6.10	0.856	6.56	0.75
8/27/96	0 m	12.0	31.56	2.51	0.586	1.05	0.89
8/27/96	10 m	10.9	31.75	3.66	0.717	3.94	0.77
8/27/96	25 m	9.9	32.04	5.35	0.828	6.26	0.81
8/27/96	50 m	9.2	32.39	6.16	0.872	7.36	1.34
9/9/96	0 m	10.6	31.87	4.56	0.730	3.49	1.75
9/9/96	10 m	12.0	31.87	4.26	0.651	3.35	1.18
9/9/96	25 m	11.6	31.92	4.72	0.740	4.06	0.79
9/9/96	50 m	10.9	32.11	4.41	0.693	4.79	2.49
9/17/96	0 m	13.0		5.52	0.827	4.65	2.41
9/17/96	10 m			5.34	0.715	4.83	1.06
9/17/96	25 m			5.54	0.732	5.30	2.65
9/17/96	50 m			6.38	0.768	6.14	1.54

Date	Depth	Temp.	Salinity	Silicate	Phosphate	Nitrate	Ammonia
<b>Station 16</b>							
9/24/96	0 m	12.0	31.81	5.76	0.877	5.62	0.85
9/24/96	10 m	11.8	31.84	5.73	0.754	5.60	0.77
9/24/96	25 m	11.4	31.97	4.92	0.603	4.78	1.38
9/24/96	50 m	11.0	32.11	6.48	0.783	6.23	0.94
10/8/96	0 m	10.9	31.79	6.03	0.777	5.94	2.05
10/8/96	10 m	11.2	31.79	6.90	0.867	6.74	0.59
10/8/96	25 m	11.2	31.87	6.83	0.861	7.12	0.56
10/8/96	50 m	11.0	32.00	7.15	0.846	7.01	1.13
11/12/96	0 m	8.5	31.62				
11/12/96	10 m	9.5	31.73				
11/12/96	25 m	9.5	31.95				
11/12/96	50 m	9.5	32.08				
12/17/96	0 m	6.3	31.25				
12/17/96	10 m	6.8	31.27				
12/17/96	25 m	6.8	31.41				
12/17/96	50 m	6.9	31.55				

Date mm/dd/yy	Temp. Surface	Temp. Bottom	Salinity Surface	Salinity Bottom	Silicate Surface	Phosphate Surface	Nitrate Surface	Ammonia Surface
<b>Station 17</b>								
1/7/93	1.3	3.1	30.56	30.95	10.57	0.871	7.69	4.37
2/11/93	-0.5	0.1	31.08	31.51				
3/9/93	-1.0	-0.5	30.65	30.94				
4/15/93	2.0	2.1	19.63	29.95				
5/12/93	5.1	5.0	28.12	28.59				
5/26/93	6.5	6.3	28.16	28.36				
6/1/93	5.9	6.1	29.68	29.84				
6/7/93	6.5	7.0	28.82	28.79				
6/15/93	10.2	6.6	28.40	30.40				
6/24/93	9.8	8.1	30.12	30.48	3.06	0.682	2.38	
6/29/93	9.0	8.4	30.24	30.72	4.33	0.783	3.24	
7/6/93	10.2	10.5	30.00	30.00	5.93	0.807	3.42	
7/13/93	10.5	9.2	30.59	31.06	5.06	0.748	2.60	4.87
7/20/93	11.0	11.2	30.50	30.70	4.55	0.650	2.33	3.13
7/26/93	11.3	11.4	30.80	30.81	2.72	0.840	1.84	4.30
8/3/93	11.8	11.9	30.49	30.84	4.88	0.982	3.24	4.12
8/10/93	12.0	11.8	30.98	31.17	5.12	0.895	2.89	3.47
8/16/93	12.9	12.4	30.71	31.12	6.14	0.945	3.24	4.50
8/23/93	12.4	12.5	31.12	31.13	6.31	0.946	3.58	4.06
8/30/93	13.2	13.0	31.09	31.25	6.44	0.768	2.90	2.28
9/7/93	13.2	12.8	30.99	31.29	7.17	0.877	3.18	3.33
9/20/93	12.0	12.5	30.37	30.39				
9/27/93	11.7	11.8	31.24	31.52	7.74	0.881	6.28	3.67
10/12/93	10.0	10.4	31.29	31.28				
10/25/93	9.0	9.7	31.04	31.36	9.47	1.067	8.60	2.90
11/12/93	8.0	8.5	30.98	31.06				
11/23/93	7.0							
12/7/93	6.1	7.1	31.04	31.28				
1/11/94	0.5	1.7	29.71	30.36	10.32	0.850	9.42	2.38
2/8/94	-1.5	0.7	14.64	30.04				
3/15/94	0.4	0.9	19.30	30.51	12.61	0.786	8.95	3.03
3/29/94	1.2	1.6	28.73	30.10	11.99	0.781	8.96	2.86
4/28/94	4.9	3.8						
5/17/94	7.2	5.2	23.36	30.24	10.17	0.537	4.01	2.79
5/24/94	6.9	7.1	27.60	28.39	6.70	0.621	3.49	3.15
6/7/94	8.8	8.6	29.60	30.08	5.00	0.688	4.97	2.65
6/14/94	9.0	9.3	26.84	30.10	3.91	0.693	5.01	2.31
6/21/94	10.2	9.2	30.52	31.38				
6/28/94	11.1	11.4	30.36	30.66				
7/11/94	13.2	11.5	31.15	33.48	2.78	0.525	1.80	7.05
7/19/94	13.4	13.4	30.86	30.91				
7/26/94	14.0	12.6	31.18	32.62				
8/4/94	15.0	12.9	31.41	33.01				
8/10/94	14.0	13.3	31.79	32.43				
8/16/94	13.4	13.7	31.44	31.55	7.08	1.006	4.17	4.02
8/23/94	13.8	14.0	31.07	31.22	8.36	0.932	6.21	3.37
8/30/94	14.2	13.2	30.58	32.00	8.41	0.817	4.97	1.81
9/6/94	13.0	13.4	31.70	31.71	9.45	1.008	5.91	2.30

Date mm/dd/yy	Temp. Surface	Temp. Bottom	Salinity Surface	Salinity Bottom	Silicate Surface	Phosphate Surface	Nitrate Surface	Ammonia Surface
<b>Station 17</b>								
9/13/94	12.9	13.2	31.89	31.53	6.33	0.853	3.96	2.77
9/20/94	12.8	13.2	31.24	31.58	7.77	0.999	4.27	2.88
9/27/94	12.8	13.3	31.45	30.88	6.30	1.008	4.78	3.00
10/4/94	11.8	12.5	31.49	31.44	10.85	1.426	5.54	3.23
10/17/94	10.5	11.3	32.26	32.24	7.63	0.953	6.31	1.97
11/17/94	8.6	9.6	32.03	31.55	5.47	0.790	3.74	1.67
12/13/94	4.0	6.8	30.66	30.04	12.29	1.418	10.47	1.74
1/26/95	2.0	3.6	29.26	30.03	13.00	0.835	9.69	1.91
2/27/95	-0.2				10.03	0.824	8.63	1.66
3/20/95	1.5	1.8	30.24	30.68	10.44	0.833	8.38	3.93
4/18/95	3.1	3.3	27.88	29.73	11.81	0.679	7.17	1.69
5/10/95	5.0	5.2	29.60	29.86	1.14	0.073	0.52	0.77
5/23/95	7.8	5.7	29.39	30.52	4.61	0.404	2.99	8.11
6/6/95	8.2	7.0	30.13	30.72	3.83	0.506	3.29	1.98
6/13/95	8.5	8.0	29.42	30.53	6.14	0.688	5.08	3.55
6/21/95	9.8	8.1	29.60	30.84	5.83	0.555	3.66	2.70
6/27/95	11.0	10.8	29.65	30.27	6.01	0.539	3.23	2.56
7/5/95	10.8	10.5	30.61	30.60	4.65	0.334	1.29	1.93
7/12/95	11.8	10.6	30.34	31.15	3.39	0.221	0.40	1.43
7/19/95	11.0	10.9	30.89	31.10	4.48	0.429	0.96	2.18
7/24/95	12.4	11.8	30.07	30.65	6.56	0.778	2.26	4.12
8/2/95	12.5	9.8	31.54	31.80	7.14	0.716	3.59	2.47
8/8/95	12.4	12.5	30.81	31.28	6.24	0.887	3.66	1.58
8/17/95	13.8	12.7	30.96	31.55	5.34	0.723	4.50	2.87
8/22/95	13.7				4.59	0.543	3.18	2.49
8/29/95	12.2	13.2	31.19	31.22	5.29	0.703	3.55	3.02
9/5/95	12.5	12.9	18.91	31.60	5.27	0.687	2.73	1.37
9/12/95	12.2	12.7	31.58	31.57	5.67	0.776	3.27	2.44
9/20/95	12.0				5.74	0.869	3.39	1.88
9/26/95	12.0	12.6	31.22	31.28				
10/10/95	11.8	12.2	30.95	31.05				
10/24/95	11.9	11.7	31.63	31.95				
11/22/95	7.4							
12/19/95	4.0	4.4	30.94	31.43	11.63	0.925	9.96	1.49
1/23/96	2.2	2.6	26.84	29.35	14.63	0.831	9.00	3.01
2/20/96								
3/19/96	1.2	2.0	28.74	29.69	11.61	0.599	6.61	1.58
4/29/96	5.0	4.6	27.21	30.33	11.97	0.526	4.88	1.39
5/8/96	5.8	5.5	27.20	29.41	6.97	0.504	3.46	1.51
5/22/96	7.0	5.8	26.59	29.94	6.92	0.512	4.10	10.02
6/6/96	9.5	7.8	21.14	27.16	6.25	0.579	3.17	2.35
6/10/96					3.20	0.549	2.83	1.53
6/17/96	10.0				5.39	0.609	3.22	1.38
6/25/96	9.1	8.3	28.63	30.05	3.06	0.609	2.31	2.22
7/9/96	10.1	9.1	28.93	29.04	4.94	0.630	3.43	3.19
7/15/96	12.7	11.0	26.03	26.84	10.56	0.598	3.58	2.16
7/23/96	12.5	10.0	26.32	30.27	9.88	0.657	3.01	3.50
7/30/96	11.4	11.2	28.28	28.87	8.72	0.782	3.95	2.14

Date mm/dd/yy	Temp. Surface	Temp. Bottom	Salinity Surface	Salinity Bottom	Silicate Surface	Phosphate Surface	Nitrate Surface	Ammonia Surface
<b>Station 17</b>								
8/6/96	12.0	10.7	29.83	30.63	7.58	0.773	4.06	1.57
8/13/96	12.5	11.7	29.30	30.27	8.33	0.732	4.65	1.34
8/20/96	12.9	12.0	29.28	30.76	2.17	0.544	1.29	1.62
8/27/96	12.3	12.1	29.91	30.93	2.48	0.732	2.56	1.22
9/9/96	12.0	12.6	30.72	30.98	6.17	0.845	4.37	1.50
9/17/96	12.3	12.5	28.60	30.95	9.37	0.881	5.07	2.36
9/24/96	11.3	12.3	30.13	30.86	8.06	0.860	4.88	2.67
10/8/96	11.0	11.7	30.72	31.17	8.20	0.843	6.14	2.23
10/21/96	10.0	10.6	30.71	30.85	8.12	1.180	6.44	1.88
11/12/96	7.7	9.2	27.90	28.80				
12/17/96	5.0	5.8	29.18	30.12				