

# **Phytoplankton Monitoring in the Western Isles Region of the Bay of Fundy during 2007-2013**

J.L. Martin, M.M. LeGresley and M.E. Gidney

Science Branch, Maritimes Region  
Fisheries and Oceans Canada  
Biological Station  
531 Brandy Cove Road, St. Andrews, NB  
E5B 2L9

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Fisheries and Oceans Canada

Biological Station

531 Brandy Cove Road, St. Andrews, New Brunswick, Canada E5B 2L9

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## ABSTRACT

Martin, J.L., M.M. LeGresley, and M.E. Gidney. 2014. Phytoplankton monitoring in the Western Isles region of the Bay of Fundy during 2007-2013. Can. Tech. Rep. Fish. Aquat. Sci. 3105: v + 262 p.

A monitoring program was initiated in May 1987 to study phytoplankton populations in the Western Isles region of the Bay of Fundy, southwest New Brunswick. This report provides another 5 yr of total phytoplankton community data to add to the results from 1987-2006 published previously. Only 2012 and 2013 data for the harmful algal bloom (HAB) species, *Alexandrium fundyense* (paralytic shellfish poisoning) and all *Pseudo-nitzschia* species (amnesic shellfish poisoning or domoic acid poisoning), are presented in this document. Samples were collected for phytoplankton distribution and abundance at five locations – Brandy Cove, Lime Kiln Bay, Deadmans Harbour, the Wolves Islands, and mid Passamaquoddy Bay. Additional parameters measured included nutrients, Secchi depth, and depth profiles for fluorescence, temperature, and salinity and they are documented in a separate report. Samples were collected at the surface from all locations and additional discrete depths of 10 m, 25 m, and 50 m at the Wolves Islands for all years except 2013.

Species observed at concentrations  $\geq 10\,000$  cells $\cdot$ L<sup>-1</sup> during all five yr (2007-2011) were: *Alexandrium fundyense*, *Chaetoceros socialis*, *Chaetoceros* spp., *Cylindrotheca closterium*, *Dictyocha speculum*, *Eutreptiella* sp., *Guinardia delicatula*, *Heterocapsa triquetra*, *Leptocylindrus minimus*, *Mesodinium rubrum*, *Pseudo-nitzschia delicatissima* group, *Pseudo-nitzschia pungens*, *Scrippsiella trochoidea*, *Scrippsiella* sp., *Thalassiosira* spp. as well as the groups of unarmoured/armoured dinoflagellates and tintinnids. There were ten species that occurred at concentrations greater than 100 000 cells $\cdot$ L<sup>-1</sup> in 2007. In 2008, 2009, 2010 and 2011 there were seven, eleven, eight and ten species, respectively observed at concentrations greater than 100 000 cells $\cdot$ L<sup>-1</sup>. *M. rubrum* and the *P. delicatissima* group have been observed at concentrations greater than 10 000 cells $\cdot$ L<sup>-1</sup> during all of the past 25 yr. Highest concentrations of *A. fundyense* observed at our monitoring sites during the 2007-2013 period were 5.03 x 10<sup>5</sup> cells $\cdot$ L<sup>-1</sup> on July 24, 2007 at Deadmans Harbour. The highest numbers observed during other years were: 4.60 x 10<sup>5</sup> cells $\cdot$ L<sup>-1</sup> on July 2, 2008 at Deadmans Harbour; 2.79 x 10<sup>5</sup> cells $\cdot$ L<sup>-1</sup> on June 30, 2009 at Brandy Cove; 5.80 x 10<sup>4</sup> cells $\cdot$ L<sup>-1</sup> on June 29, 2010 at the Wolves Islands; 1.03 x 10<sup>5</sup> cells $\cdot$ L<sup>-1</sup> at Deadmans Harbour on July 19, 2011; 1.57 x 10<sup>4</sup> cells $\cdot$ L<sup>-1</sup> on May 15, 2012 at Deadmans Harbour; and 6.68 x 10<sup>3</sup> cells $\cdot$ L<sup>-1</sup> at the Wolves on June 18, 2013. The 2009 elevated Brandy Cove concentrations were the highest in the region for that year. This was also the first time since the time series was initiated that the greatest concentration was observed at Brandy Cove. During most years and at all stations, *A. fundyense* cells were minor components (<50%) of the total phytoplankton community. Data since 1995 indicate that there were 47 new (possibly introduced) species detected in the region.

## RÉSUMÉ

Martin, J.L., M.M. LeGresley, and M.E. Gidney. 2014. Phytoplankton monitoring in the Western Isles region of the Bay of Fundy during 2007-2013. Can. Tech. Rep. Fish. Aquat. Sci. 3105: v + 262 p.

Un programme de surveillance a été lancé en mai 1987 pour étudier le phytoplancton de la région ouest de la Baie de Fundy, au sud-ouest du Nouveau-Brunswick. Ce rapport ajoute cinq années de données de la communauté phytoplanctonique aux résultats déjà publiés des années 1987-2006. Pour les années 2012 et 2013, seulement les concentrations d'*Alexandrium fundyense* (intoxication paralysante par les mollusques) et les espèces du genre *Pseudo-nitzschia*, (intoxication par phycotoxine amnésique) sont documentées. Les échantillons d'eau pour la distribution et l'abondance de phytoplancton ont été prélevés à cinq emplacements (Brandy Cove, la baie Lime Kiln, Deadmans Harbour, près des îles Wolves et mi-baie Passamaquoddy). Les paramètres additionnels tels que les nutriments (silicate, phosphate, nitrate, nitrite et ammoniac), la profondeur du Secchi, le profil en profondeur de la température, de la fluorescence et de la salinité ont été mesurés et publiés dans un rapport supplémentaire. Aux cinq emplacements, les échantillons ont été prélevés à la surface, ainsi qu'à 10 m, 25 m et 50 m aux îles Wolves sauf qu'en 2013.

Les espèces observées en concentrations  $\geq 10\,000$  cellules $\cdot$ L<sup>-1</sup> pendant chacune des cinq années (2007-2011) étaient: *Alexandrium fundyense*, *Chaetoceros socialis*, *Chaetoceros* spp., *Cylindrotheca closterium*, *Dictyocha speculum*, *Eutreptiella* sp., *Guinardia delicatula*, *Heterocapsa triquetra*, *Leptocylindrus minimus*, *Mesodinium*

*rubrum*, *Pseudo-nitzschia delicatissima* group, *Pseudo-nitzschia pungens*, *Scrippsiella trochoidea*, *Scrippsiella* sp., *Thalassiosira* spp. ainsi que les regroupements de dinoflagellés et de tintinnides. En plus, en 2007 dix espèces ont été observé en concentrations  $\geq 100\,000$  cellules $\cdot$ L<sup>-1</sup> tandis qu'en 2008, 2009, 2010 et 2012 sept, onze, huit et dix espèces respectivement ont été noté au-delà de ce seuil. Le complexe *P. delicatissima* et *M. rubrum* ont été observés en concentrations  $> 10\,000$  cellules $\cdot$ L<sup>-1</sup> pendant chacune des 25 dernières années. Les concentrations maximales d'*A. fundyense* à nos cinq sites de surveillance pendant les années 2007-2013 atteignaient  $5.03 \times 10^5$  cellules $\cdot$ L<sup>-1</sup> le 24 juillet, 2007 à Deadmans Harbour;  $4.60 \times 10^5$  cellules $\cdot$ L<sup>-1</sup> le 2 juillet, 2008 à Deadmans Harbour;  $2.79 \times 10^5$  cellules $\cdot$ L<sup>-1</sup> le 30 juin, 2009 à Brandy Cove;  $5.80 \times 10^4$  cellules $\cdot$ L<sup>-1</sup> le 29 juin, 2010 près des îles Wolves;  $1.03 \times 10^5$  cellules $\cdot$ L<sup>-1</sup> à Deadmans Harbour le 19 juillet, 2011;  $1.57 \times 10^4$  cellules $\cdot$ L<sup>-1</sup> le 15 mai, 2012 à Deadmans Harbour; et  $6.68 \times 10^3$  cellules $\cdot$ L<sup>-1</sup> près des îles Wolves le 18 juin, 2013. Les fortes concentrations à Brandy Cove en 2009 étaient les plus élevées de l'année et la première fois depuis 1987 que Brandy Cove reçoit cette distinction. Pendant la plupart des années, les cellules d'*A. fundyense* constitue moins que 50% de la communauté phytoplanctonique. Depuis 1995, on a observé 47 nouvelles espèces (possiblement introduites) dans la région.





## INTRODUCTION

A phytoplankton monitoring program was introduced in the southwestern New Brunswick portion of the Bay of Fundy in 1987. The study was initiated due to growing concerns that the incidents involving harmful algal blooms (HABs) seemed to be increasing in intensity, frequency, and geographic distribution throughout the world (Anderson 1989; Smayda 1990; Hallegraeff 1993, 2010; Fu et al. 2012). Incidences such as fish mortalities, especially those held captive in net pens, have also been growing. Some of these increases can be attributed to increased awareness both in the scientific and public communities, as well as the increased use of inshore coastal waters for aquaculture, tourism, and other activities.

The purposes of the phytoplankton study when it was initiated were to: establish baseline data on phytoplankton populations since little detailed work had been published since earlier studies by Gran and Braarud (1935); identify harmful algal species that could potentially cause harm to the aquaculture industry; provide an early warning to the industries by sorting and identifying samples soon after collection; and determine patterns and trends in phytoplankton populations. The intent was also to determine whether environmental changes occur as a result of the Atlantic salmon (*Salmo salar*) industry. In addition, the monitoring has provided an early warning to regulatory agencies such as the Canadian Food Inspection Agency (CFIA) for the occurrences of species that produce toxins resulting in shellfish toxicities and closures of shellfish beds to harvesting. It has also enabled us to study changing trends in phytoplankton populations and to determine new species to the region.

HABs have been known to affect fish through either neurotoxins, gill damage (mechanically or through the production of hemolytic substances) or altering dissolved oxygen levels (Anderson et al. 2001, 2012). Farmed fish are particularly vulnerable to harmful phytoplankton blooms because they do not have the luxury of being able to swim away to avoid blooms. Adverse effects can include mortality or loss of growth. Due to the economic consequences, monitoring can give fish farmers warning so they can adjust harvesting schedules, delay the entry of smolts and modify feeding schedules (Chang et al. 2005).

Although the majority of phytoplankton species occur in the environment without causing adverse effects, there are a few that are known to

cause harm. For example, in the Bay of Fundy, *Alexandrium fundyense* and *Pseudo-nitzschia pseudodelicatissima* are species responsible for producing toxins associated with the syndromes paralytic shellfish poisoning (PSP) and amnesic shellfish poisoning (ASP or domoic acid poisoning), respectively. In these cases, shellfish that had been feeding on harmful species accumulate toxins with no obvious effects to the shellfish themselves. The toxins are then stored in their tissues and when the shellfish are eaten by vertebrate consumers, including humans, illness and, in some cases death, can result. PSP toxins and resulting shellfish toxicity have been around in the Bay of Fundy for at least hundreds of years (Prakash et al. 1971; Martin and Richard 1996) and both our studies and PSP shellfish toxicity results show that *A. fundyense* occurs annually (Martin and White 1988; Martin and LeGresley 2014; Martin et al. 1999, 2001, 2006a, 2014a, 2014b).

Domoic acid was first detected in shellfish in the Bay of Fundy in 1988 and the causative species was determined to be *P. pseudodelicatissima* (Martin et al. 1990; Haya et al. 1991). During the 1988 event, the shellfish harvesting areas affected were located in Passamaquoddy Bay. It was not until 1995 that shellfish beds were closed again in the Bay of Fundy as a result of unacceptable levels of domoic acid and, in this case, the areas affected were outside Passamaquoddy Bay (Martin et al. 1998).

*A. fundyense* has not only been responsible for human illnesses as a result of PSP, but it has also affected fisheries. For example, in 1976 and 1979, hundreds of tonnes of Atlantic herring, *Clupea harengus harengus*, died from PSP toxins that the herring had accumulated through the food chain (White 1980). Atlantic salmon (*Salmo salar*) in net pens were affected by PSP toxins in the Bay of Fundy in 2003 and 2004 (Martin et al. 2006b, 2008; Burrige et al. 2010). In 1987, 14 humpback whales died after feeding on mackerel (*Scomber scombrus*) that had eaten zooplankton that in turn had fed on *A. fundyense* (MacKenzie 1988; Haya et al. 1990). There has been the suggestion that right whales feeding on contaminated zooplankton in Grand Manan Basin could potentially experience a decrease in respiratory capabilities, feeding behaviour and reproductive condition (Durbin et al. 2002).

Results from the earlier years of the monitoring program have been published previously (Martin and LeGresley 2014; Wildish et al. 1988, 1990; Martin et al. 1995, 1999, 2001, 2006a, 2014b). This report presents results from analyses of phytoplankton during the 5 yr, 2007-2011, and the

HAB species (*Alexandrium fundyense* and all *Pseudo-nitzschia* species) have been extended to include 2012-2013.

## MATERIALS AND METHODS

The number of sampling sites in the southwest New Brunswick area of the Bay of Fundy has changed since the program started in 1987. Initially, 12 sites were sampled with 10 located in the Letang area, where the majority of the aquaculture sites were located at that time, and the remaining two sites were located in Harbour de Lute (Campobello Island), in close proximity to another aquaculture site. The following year, the number of sampling sites expanded to 18, with additional sites in Passamaquoddy Bay around Deer Island, Deadmans Harbour and the offshore site at the Wolves Islands. In 1992, sampling was reduced, due to financial constraints, to the four stations that continue to be monitored today (Fig. 1). These include: Brandy Cove (#17 – a brackish site influenced by the Saint Croix River estuary), Lime Kiln Bay (#3 – Letang estuary where a number of aquaculture sites are located), Deadmans Harbour (#15 – an open bay with offshore influence), and the Wolves Islands (#16 – an offshore indicator site). An extra sampling site (#25) was added in mid-Passamaquoddy Bay in 1999 following observations of brick-red patches of water. Coordinates for the five sampling stations are located in Table 1.

Table 1. Co-ordinates of sampling stations (degrees and minutes).

Brandy Cove (#17)	45 05.01 N	67 05.16 W
Mid-Passamaquoddy Bay (#25)	45 04.00 N	66 58.00 W
Lime Kiln (#3)	45 03.27 N	66 49.20 W
Deadmans Harbour (#15)	45 02.88 N	66 46.64 W
Wolves (#16)	44 59.35 N	66 44.20 W

Sampling was conducted during the 7 yr, 2007-2013, aboard the research vessel PANDALUS III (until its retirement in 2010) and then aboard the research vessel, the Viola M. Davidson. Weekly samples were collected from: May 1 to November 6 (2007); May 6 to October 28 (2008); May 5 to October 27 (2009); May 4 to October 26 (2010); and April 6 to October 4 (2011). Sampling for HAB species was conducted weekly from April 2 to September 25 in 2012 and from April 2 to September 24 in 2013. Monthly samples were collected during all other months during all years.

A Seabird Model 25 CTD was used to collect vertical profiles of temperature, salinity, and fluorescence at each site at each sampling time. These results are presented in a separate document that also includes nutrient and Secchi depth values (Martin et al. in prep.).

Phytoplankton samples were collected at the surface by bucket from all five stations and at depths of 10 m, 25 m, and 50 m with a 2L Niskin bottle at station #16. Sampling at depth was not conducted in 2013. During the summer months a 10 m vertical plankton haul was made with a 20- $\mu$ m mesh net, 0.3 m in diameter. A subsample was preserved with formalin:acetic acid (1:1 by volume) for further identification and scanning electron microscope (SEM). In addition, a live sample was taken for identification and culture of selected organisms. Live phytoplankton samples were immediately iced for the return trip to the laboratory.

Samples and data were recorded according to date, location, and depth; as well, an independent identification number was assigned at the time of collection. Information was entered, maintained, and accessed in a database.

Water samples (250 mL) were immediately preserved with 5 mL formalin:acetic acid. Later, 50-mL subsamples were settled in counting chambers for 16 h and the whole surface area was counted. All phytoplankton greater than 5  $\mu$ m were identified and enumerated (as cells $\cdot$ L<sup>-1</sup>) using a Nikon inverted microscope. When further identification was required, it was done using either a JEOL JSM-5600 SEM or a Hitachi S-2400 SEM. Sample preparation for SEM was as follows: samples were rinsed with 250 mL distilled water (prefiltered 1.3  $\mu$ m) onto a 3- $\mu$ m (Poretics) polycarbonate filter using a 25-mm Millipore vacuum filtration apparatus. Diatoms were cleaned with the permanganate oxidation method (Hasle and Fryxell 1970) while phytoplankton samples with thin walls and/or unarmoured dinoflagellates were dehydrated in a series of ethanol solutions (20, 50, 70, 85, 95%) prepared with distilled water and absolute ethanol for a minimum of 10 min at each step, finishing with three rinses of 100% ethanol. For the final drying step, three changes of hexamethyldisilazane (HMDS) were used (Bray et al. 1993; Kaczmarek et al. 2000), a minimum of 10 min each, allowing the last rinse to evaporate slowly at room temperature. Filters were mounted on stubs, and then coated with gold-palladium in a Hummer sputtering system.

Species were defined as “new” to the region if they had not been observed in samples prior to 1995 and now appear to be permanently established as members of the local ecosystem.

Only most abundant and HAB species were enumerated in 2012 and 2013. As with the samples from 1987-2011, 50 mL of the sample were settled using settling chambers. Counts were determined from counting cells from one half of the settled slide. This manuscript reports results from total phytoplankton community for 2007-2011 and only the HAB species *A. fundyense* and all *Pseudonitzschia* species for 2012 and 2013.

For species identification purposes, the *P. delicatissima* group included species of both *P. pseudodelicatissima* and *P. delicatissima*; the *P. seriata* group included the species *P. multiseriata*, *P. pungens*, and *P. seriata*. In 2006, following the completion of the Kaczmarek et al. (2005) study, and when *P. pseudodelicatissima* was dominant and appeared as a pure culture, it was identified as *P. pseudodelicatissima*. Additionally, since 2006, when it was mixed with similar sized other *Pseudonitzschia* species, it was grouped with the *Pseudonitzschia delicatissima* group.

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

*Alexandrium fundyense* cells included all its life cycle stages, and if different stages in its life cycle were observed, they were recorded separately as well. Its life cycle stages include: duplets, triplets and quadruplets (asexually dividing cells) that are observed early in the bloom, fusing (sexual division where two cells fuse together), planozygotes (large cells formed from the fusing cells) and cysts or resting spores.

## RESULTS

There were a total of 32, 32, 31, 31, 31, 33 and 33 sample days in 2007, 2008, 2009, 2010, 2011, 2012 and 2013, respectively.

Numbers of samples analyzed for phytoplankton density were: 244 (2007), 256 (2008), 239 (2009), 248 (2010) and 251 (2011). There were 255 samples analysed for HAB species in 2012 and 164 in 2013. (Samples were not collected at depth in 2013). During the five yr, 232 species of phytoplankton and smaller zooplankton were identified in addition to a listing of groups where species were not identified such as armoured dinoflagellates, unarmoured dinoflagellates, centric and pennate diatoms, ciliates, copepods and tintinnids (Appendix 1). Identification and enumeration results for phytoplankton are listed in Appendix 2. Organisms that were observed at concentrations greater than 10 000 cells•L<sup>-1</sup> during the 5 yr are listed in alphabetical order in Table 2.

Table 2. Organisms detected at levels greater than 10 000 cells•L<sup>-1</sup>. Species  $\geq 10\,000$  cells•L<sup>-1</sup> are indicated with +,  $\geq 100\,000$  ++, and  $\geq$ one million +++. \*AD refers to samples collected “at depth”.

	2007	2008	2009	2010	2011
<i>Alexandrium fundyense</i>	++	++	++	+	++
<i>Amphidinium sphenoides</i>	*AD	+			
<i>Apedinella radians</i>		+	+	+	
Armoured dinoflagellate	+	+	+	+	++
<i>Asterionellopsis glacialis</i>					+
<i>Cerataulina pelagica</i>	+	+		+	++
<i>Ceratium lineatum</i>		+	+		+
<i>Chaetoceros constrictus</i>				+	
<i>Chaetoceros contortus</i>	*AD			+	+
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		+	+		
<i>Chaetoceros debilis</i>	+			+	+
<i>Chaetoceros filiformis</i>			+		+

	2007	2008	2009	2010	2011
<i>Chaetoceros furcellatus</i>	*AD				
<i>Chaetoceros lorenzianus</i>		+			
<i>Chaetoceros pseudobrevis</i>		*AD			
<i>Chaetoceros radicans</i>					+
<i>Chaetoceros similis</i>		+	++		+
<i>Chaetoceros simplex</i>		+			
<i>Chaetoceros socialis</i>	++	+	++	++	++
<i>Chaetoceros</i> spp. (Hyalochaete)	++	++	++	+	++
<i>Cylindrotheca closterium</i>	+	+	+	+	+
<i>Dactyliosolen fragilissimus</i>			++	+	
<i>Dictyocha speculum</i>	+	+	+	+	+
<i>Dinobryon</i> spp.			+		
<i>Dinophysis acuminata</i>		+			
<i>Ditylum brightwellii</i>		+			
<i>Ebria tripartita</i>	+	+	+	+	
<i>Eucampia zodiacus</i>				+	
<i>Eutreptiella</i> sp.	++	+	+	+	+
<i>Guinardia delicatula</i>	++	+	+	+	+
<i>Helicostomella</i> spp.		+			
<i>Heterocapsa triquetra</i>	+	+	++	++	++
<i>Leptocylindrus danicus</i>				++	
<i>Leptocylindrus mediterraneus</i>			+		
<i>Leptocylindrus minimus</i>	++	++	+	++	+
<i>Mesodinium rubrum</i>	+	++	+	+	++
Pennate diatom				+	
<i>Prorocentrum minimum</i>	+		+	+	
<i>Protoperidinium bipes</i>	+				
<i>Pseudo-nitzschia americana</i>				+	
<i>Pseudo-nitzschia delicatissima</i>	++	+	++	+	++
<i>Pseudo-nitzschia delicatissima</i> group	++	+++	++		
<i>Pseudo-nitzschia fraudulenta</i>		+			
<i>Pseudo-nitzschia pseudodelicatissima</i>	++	+++	+++	++	+
<i>Pseudo-nitzschia pungens</i>	+	+	+	+	+
<i>Pseudo-nitzschia seriata</i> group	+	+			
<i>Pseudo-nitzschia subpacific</i>		+		+	
<i>Rhizosolenia imbricata</i>				+	
<i>Scrippsiella</i> sp.	++	+	+	++	++
<i>Scrippsiella trochoidea</i>	+	+	+	+	+
<i>Skeletonema costatum</i>		++	+++	++	++
<i>Thalassiosira anguste-lineata</i>			+		

	2007	2008	2009	2010	2011
<i>Thalassiosira gravida</i>					+
<i>Thalassiosira nordenskiöldii</i>	+	*AD	++	+	
<i>Thalassiosira</i> sp. (tiny)		+			
<i>Thalassiosira</i> spp.	+	+	+	+	+
Tintinnida	+	+	+	++	+
<i>Tintinnopsis beroidea</i>					+
Unarmoured dinoflagellate	+	+	+	+	+

Figures 2 and 4 show *A. fundyense* concentrations from the four continuously monitored stations since 1988 and mid-Passamaquoddy Bay since 1989. Figure 3 shows *A. fundyense* concentrations detected during the 7 yr (2007-2013). Although *A. fundyense* cells (the PSP toxin producer) are observed annually, the intensity of the bloom has varied greatly from year to year (Fig. 2, 3, 4). The blooms are patchy and tend to concentrate in surface waters. During most years, blooms were initiated in early May with highest numbers observed in mid-July. The intensity of the *A. fundyense* blooms was observed at concentrations greater than 100 000 cells•L<sup>-1</sup> at our sampling sites during the following years: 1989 (1.63 x 10<sup>5</sup> cells•L<sup>-1</sup> - Deadmans Harbour), 2002 (1.52 x 10<sup>5</sup> cells•L<sup>-1</sup> - Deadmans Harbour), 2004 (3.19 x 10<sup>5</sup> cells•L<sup>-1</sup> - Wolves Islands and 1.39 x 10<sup>5</sup> cells•L<sup>-1</sup> - Deadmans Harbour), 2007 (5.03 x 10<sup>5</sup> cells•L<sup>-1</sup> - Deadmans Harbour; 1.51 x 10<sup>5</sup> cells•L<sup>-1</sup> - Lime Kiln; and 1.46 x 10<sup>5</sup> cells•L<sup>-1</sup> - mid-Passamaquoddy Bay), 2008 (4.60 x 10<sup>5</sup> cells•L<sup>-1</sup> - Deadmans Harbour and 1.36 x 10<sup>5</sup> cells•L<sup>-1</sup> - Wolves Islands), 2009 (2.79 x 10<sup>5</sup> cells•L<sup>-1</sup> - Brandy Cove; 1.83 x 10<sup>5</sup> cells•L<sup>-1</sup> - Lime Kiln; and 1.06 x 10<sup>5</sup> cells•L<sup>-1</sup> - Deadmans Harbour), and 2011 (1.03 x 10<sup>5</sup> cells•L<sup>-1</sup> - Deadmans Harbour).

*A. fundyense* concentrations during the seven yr (2007-2013) showed the highest values observed at our sampling sites during 2007 and 2008 (Fig. 3). During both these years, concentrations were ~500 000 cells•L<sup>-1</sup>.

*A. fundyense* cells were observed at all locations every year and lowest numbers were always found at Brandy Cove. An exception to this pattern occurred in 2009 where concentrations at Brandy Cove were considerably higher than at all other stations (Fig. 2, 3, 4). On June 16, 2009, the concentration of *A. fundyense* detected at this station was 288 cells•L<sup>-1</sup>. By June 23, it had increased to 5616 cells•L<sup>-1</sup>, and the following week, on June 30, concentrations increased to 2.79 x 10<sup>5</sup> cells•L<sup>-1</sup>. On July 7, one week later they had decreased to 1240

cells•L<sup>-1</sup>. Interestingly, *A. fundyense* concentrations at Brandy Cove and shellfish toxicity at Bar Road in Passamaquoddy Bay were the highest for the whole Bay of Fundy in 2009 – a first since PSP shellfish toxicity testing was initiated in 1943 and our phytoplankton sampling programme began in 1987.

Where sampling was conducted at discrete depths at the Wolves, fewer cells were detected at depth, as is consistent with other *A. fundyense* studies in the Bay of Fundy (Martin et al. 2005). This only tended to differ when there were extreme wind events and *A. fundyense* cells tended to drop lower in the water column in order to avoid the turbulence.

During most years and at all stations, *A. fundyense* cells were minor components (<50%) of the total phytoplankton community. This phenomena seems to be apparent for most sampling days except during rare years such as 1989, 2004 and 2007 when *A. fundyense* concentrations exceeded 1.0 x 10<sup>5</sup> cells•L<sup>-1</sup> and when it was observed at these high concentrations it comprised 40-80% of the total phytoplankton community. Organisms that co-existed varied between years and locations. At concentrations >5.0 x 10<sup>5</sup> cells•L<sup>-1</sup> the total phytoplankton community was often >75% *A. fundyense*. Table 3 shows: a summary of the highest concentrations of *A. fundyense* observed during each year from 1987 to 2013; the sampling station at which each observation was made; the three most abundant co-occurring species; and the time frame for an *A. fundyense* bloom when it occurred at concentrations greater than 10 000 cells•L<sup>-1</sup>. *Mesodinium rubrum* was the most common of the abundant co-occurring organisms (6 of 27 yr). Deadmans Harbour had the maximum *A. fundyense* concentrations for 14 yr of the time series. When comparing *A. fundyense* concentrations to total dinoflagellate cell densities during periods where maximum cell densities were observed, *A. fundyense* was not a major component of the dinoflagellate community during most years unless there were >1.0 x 10<sup>5</sup> cells•L<sup>-1</sup>.

Table 3. Highest concentrations of *Alexandrium fundyense* observed at the sampling sites from 1987-2013. Highest density at regular monitoring stations in 27 years.  
\*Only station sampled in 1987.

Year	# samples where <i>Alexandrium</i> >10 000/L at 0 m	Date range when <i>Alexandrium</i> density >10 000/L	Highest density (cells•L <sup>-1</sup> )	Station with the highest density	Date of highest density	Most abundant co-occurring species	Second most abundant co-occurring species	Third most abundant co-occurring species
1987	0		6 660	3*	30-Jun-87	<i>Chaetoceros</i> spp.	<i>Thalassiosira gravida</i>	<i>Protoperidinium</i> spp.
1988	0		7 460	16	12-Jul-88	<i>Mesodinium rubrum</i>	<i>Protoperidinium</i> spp.	<i>Scrippsiella trochoidea</i>
1989	8	June 28-Sept 20	162 740	15	18-Jul-89	<i>Protoperidinium</i> spp.	<i>Mesodinium rubrum</i>	<i>Scrippsiella trochoidea</i>
1990	2	July 9-July 16	68 540	16	16-Jul-90	<i>Skeletonema costatum</i>	<i>Leptocylindrus minimus</i>	<i>Cylindrotheca closterium</i>
1991	2	July 16-July 24	60 380	16	16-Jul-91	<i>Mesodinium rubrum</i>	<i>Leptocylindrus minimus</i>	<i>P. delicatissima</i> group
1992	1	July 21	20 080	15	21-Jul-92	<i>Mesodinium rubrum</i>	<i>Protoperidinium</i> spp.	<i>Chaetoceros</i> spp.
1993	6	July 6-July 13	63 640	3	13-Jul-93	<i>P. delicatissima</i> group	<i>Mesodinium rubrum</i>	<i>Chaetoceros contortus</i>
1994	4	June 28-July 11	53 856	15	28-Jun-94	<i>Mesodinium rubrum</i>	<i>Heterocapsa triquetra</i>	<i>Scrippsiella trochoidea</i>
1995	2	July 19	28 600	15	19-Jul-95	<i>Guinardia delicatula</i>	<i>Mesodinium rubrum</i>	<i>Heterocapsa triquetra</i>
1996	1	Aug 12	16 160	15	12-Aug-96	<i>Scrippsiella trochoidea</i>	Armoured dinoflagellate	<i>P. delicatissima</i> group
1997	0		8 200	15	24-Jun-97	<i>Chaetoceros contortus</i>	<i>Heterocapsa triquetra</i>	<i>Chaetoceros</i> spp.
1998	0		6 720	15	23-Jun-98	Tintinnida	<i>Mesodinium rubrum</i>	<i>Heterocapsa triquetra</i>
1999	0		3 200	15	27-Jul-99	<i>Mesodinium rubrum</i>	Armoured dinoflagellate	<i>Scrippsiella trochoidea</i>
2000	0		2 400	25	23-May-00	<i>Thalassiosira</i> spp.	<i>Chaetoceros</i> spp.	<i>Mesodinium rubrum</i>
2001	5	June 26-July 17	67 840	15	17-Jul-01	<i>Heterocapsa triquetra</i>	<i>Mesodinium rubrum</i>	Tintinnida
2002	3	July 23-July 30	152 014	15	23-Jul-02	<i>Heterocapsa triquetra</i>	<i>Scrippsiella</i> sp.	Armoured dinoflagellate
2003	12	July 15-Sept 23	90 746	16	9-Sep-03	<i>Ditylum brightwellii</i>	<i>Thalassiosira gravida</i>	<i>P. seriata</i> group
2004	26	June 29-Aug 17	319 056	16	3-Aug-04	<i>P. delicatissima</i> group	<i>Leptocylindrus minimus</i>	<i>Helicostomella</i> spp.
2005	9	June 28-July 19	52 480	3	12-Jul-05	<i>Membraneis challengerii</i>	<i>Mesodinium rubrum</i>	<i>Heterocapsa triquetra</i>
2006	7	July 19- Aug 1	49 408	3	25-Jul-06	<i>Heterocapsa triquetra</i>	<i>Scrippsiella trochoidea</i>	<i>Eutreptiella</i> sp.
2007	14	July 10-Aug 14	503 438	15	24-Jul-07	<i>Scrippsiella trochoidea</i>	<i>Heterocapsa triquetra</i>	Unarmoured dinoflagellate
2008	12	June 9-July 2	460 088	15	2-Jul-08	<i>Mesodinium rubrum</i>	<i>Heterocapsa triquetra</i>	Armoured dinoflagellate
2009	13	June 16-July 7	279 174	17	30-Jun-09	<i>Heterocapsa triquetra</i>	<i>Scrippsiella trochoidea</i>	<i>Mesodinium rubrum</i>
2010	7	June 22-July 6	58 089	16	29-Jun-10	<i>Chaetoceros socialis</i>	<i>Cerataulina pelagica</i>	<i>Mesodinium rubrum</i>
2011	3	June 28-July 19	103 462	15	19-Jul-11	<i>Scrippsiella</i> sp.	Armoured dinoflagellate	<i>Scrippsiella trochoidea</i>
2012	2	May 15-July 15	15 680	15	15-May-12	<i>Thalassiosira nordenskiöldii</i>	<i>Heterocapsa triquetra</i>	<i>Thalassiosira</i> spp.
2013	0		6 680	16	18-Jun-13	<i>Chaetoceros debilis</i>	<i>Chaetoceros</i> spp.	<i>Heterocapsa triquetra</i>

Although there are a number of *Pseudo-nitzschia* species in the Bay of Fundy (Kaczmarek et al. 2005), the *Pseudo-nitzschia* species have been grouped into 2 groups because of difficulty in differentiating them with the light microscope. The *P. delicatissima* group refers to a number of different species that are difficult to differentiate without the use of an electron microscope because of their small size in width (1.5-2.0  $\mu\text{m}$ ). They include *P. pseudodelicatissima* and *P. delicatissima*. The *P. seriata* group includes *P. fraudulenta*, *P. multiseries*, *P. pungens*, *P. seriata*, and *P. subpacifica*.

Figure 5 shows the combined *P. delicatissima* group and *P. pseudodelicatissima* concentrations at the five stations from 2007-2013. During this time period, the highest concentrations were observed in 2008 at Deadmans Harbour, Lime Kiln, and the Wolves Islands. Although low levels of domoic acid were detected, no shellfish areas were closed to harvesting during this period. The highest concentration of *P. pseudodelicatissima* from the 5 regularly monitored sites (1987-2013) was observed on August 12, 2008 ( $1.65 \times 10^6$  chains of cells $\cdot\text{L}^{-1}$ ) at the Wolves Islands (Fig. 6).

The greatest diversity or highest numbers of species observed in any one sample day during each year are shown in Table 4. These high numbers also contributed to the degree of difficulty in analyzing samples and increased analysis time per sample.

Results from *M. rubrum* concentrations since 1987 show that concentrations can be elevated during some years (Fig. 7). This species has been observed at concentrations great enough to discolour the water in some years and at many locations not included in our five sampling sites. There appears to be a trend for decreasing high biomass or high cell concentration *M. rubrum* blooms in recent years. As well, the high biomass blooms observed in the early years of the sampling programme in the Passamaquoddy Bay area are not so prevalent in the later years. The higher concentrations tend to have shifted to areas outside Passamaquoddy Bay.

The values for total diatom concentrations during 2007-2011 are plotted on Figure 8. During most years there have been spring and fall diatom blooms, with the highest cell concentrations observed during the fall. One particular species can influence a large peak. For example in 2008, *P. pseudodelicatissima* concentrations  $>2$  million chains of cells $\cdot\text{L}^{-1}$  were detected.

Table 4. Greatest number of species observed from 1987 to 2011. \*Including mid-Passamaquoddy Bay.

Year	Date of maximum species count	Maximum species count from all 5 stations*	Maximum species count from 4 stations
1987	1987-06-30		40
1988	1988-09-21		65
1989	1989-06-28		79
1990	1990-09-04		72
1991	1991-07-09		59
1992	1992-06-24		53
1993	1993-08-10		61
1994	1994-08-30		66
1995	1995-09-20		65
1996	1996-06-25		63
1997	1997-10-01		68
1998	1998-09-08		69
1999	1999-06-15		74
2000	2000-08-28	87	84
2001	2001-06-26	95	94
2002	2002-08-27	90	88
2003	2003-09-29	92	90
2004	2004-07-19	87	87
2005	2005-06-28	82	79
2006	2006-08-29	87	86
2007	2007-08-28	84	79
2008	2008-09-02	91	90
2009	2009-08-11	84	83
2010	2010-08-03	91	89
2011	2011-08-09	91	90

Seventeen new species of dinoflagellates, twenty-one new diatom species, and nine additional species that included flagellates, small zooplankton, cyanobacteria, and haptophytes have been observed in samples since 1995 (Table 5). These species have been observed during more than one year or annually since the time of first observation. Most species new to the area are cold-temperate species that exist in other regions of the world with ecosystems similar to the Bay of Fundy.

Table 5. New phytoplankton species since 1995. \*Indicates species observed since 2007.

<b>Dinoflagellates</b>	<b>Authority</b>
<i>Alexandrium pseudogonyaulax</i>	(Biecheler) Horiguchi, Yuki & Fukuyo
<i>Amphidinium carterae</i>	Hurlburt
<i>Amphidinium sphenoides</i>	Wulff
<i>Ceratium bucephalum</i> *	Cleve
<i>Ceratium macroceros</i>	(Ehrenberg) Vanhoffen
<i>Dissodinium pseudolunula</i>	Swift ex Elbrächter and Drebes
<i>Gonyaulax alaskensis</i> *	Kofoid
<i>Oblea</i> sp.*	Balech ex Loeblich Jr. & Loeblich III
<i>Oxytoxum gracile</i> *	Schiller
<i>Polykrikos schwartzii</i>	Butschli
<i>Preperidinium meuneri</i>	(Pavillard) Elbrachter
<i>Protoceratium reticulatum</i> *	(Claparède & Lachmann) Bütschli
<i>Protoperidinium americanum</i> *	(Gran & Braarud) Balech
<i>Protoperidinium cerasus</i> *	(Paulsen) Balech
<i>Protoperidinium crassipes</i>	(Kofoid) Balech
<i>Protoperidinium granii</i> *	(Ostenfeld) Balech
<i>Protoperidinium mite</i> *	(Pavillard) Balech
<b>Diatom</b>	
<i>Attheya septentrionalis</i>	(Ostrup) Crawford
<i>Attheya longicornis</i>	Crawford & Gardner
<i>Chaetoceros peruvianus</i> *	Brightwell
<i>Chaetoceros radicans</i>	Schutt
<i>Cylindrotheca gracilis</i>	(Brebesson) Grunow
<i>Grammatophora serpentina</i>	Ralfs (Ehrenberg)
<i>Lithodesmium undulatum</i>	Ehrenberg
<i>Mediopyxis helysia</i>	Kühn, Hargraves & Halliger
<i>Membraneis challengeri</i>	(Grunow) Paddock
<i>Meridion circulare</i> *	(Greville) C. Agardh
<i>Neodenticula seminae</i>	(R. Simonsen & T. Kanaya) F. Akiba & Y. Yanagisawa
<i>Odontella sinensis</i>	(Greville) Grunow
<i>Proboscia eumorpha</i>	Takahashi, Jordan & Priddle
<i>Pseudo-nitzschia fraudulenta</i>	(Cleve) Hasle
<i>Pseudo-nitzschia heimii</i> *	Manguin
<i>Pseudo-nitzschia lineola</i> *	(Cleve) Hasle
<i>Pseudo-nitzschia sub-pacifica</i>	(Hasle) Hasle
<i>Pseudo-nitzschia turgidula</i> *	(Hustedt) G.R. Hasle
<i>Thalassiosira conferta</i> *	Hasle
<i>Thalassiosira punctigera</i>	(Castracane) Hasle
<i>Urosolenia eriensis</i> *	(H.L. Smith) Round & R.M. Crawford
<b>Other</b>	
<i>Apedinella radians</i>	(Thronsdon) Thronsdon
<i>Chrysochromulina parkeae</i>	Green & Leadbeater
<i>Commation cryoporinum</i>	Thomsen & Larsen
<i>Dictyocysta</i> sp.*	Ehrenberg
<i>Microcystis</i> sp.	Kutzing ex Lemmermann
<i>Phaeocystis pouchetii</i>	(Harriot) Lagerheim
<i>Podon</i> spp.*	Lilljeborg
<i>Polyasterias problematica</i>	(Cleve) Meunier
<i>Pterosperma vanhoeffenii</i> *	(Jørgensen) Ostenfeld



## DISCUSSION

The majority of phytoplankton and smaller zooplankton occur in the Bay of Fundy without causing adverse effects. Prior to 1988, the species of major concern was *A. fundyense*, which is responsible for producing PSP toxins which can result in unsafe levels of toxins in shellfish. It was a well established fact that shellfish harvesting areas are closed to harvesting at some time during the year – generally during the summer months (Prakash et al. 1971). Shellfish are monitored for toxins at regular intervals by the Canadian Food Inspection Agency (through a program initiated in 1944 that is now one of the longest continuous datasets of its kind in the world). Records indicate that shellfish in the Bay of Fundy become toxic every year (Hamer et al. 2012). This is not surprising as the presence of very few cells in a plankton net haul or as few as 200 cells•L<sup>-1</sup> can result in PSP toxins at a detectable level in shellfish from an adjacent area (Page et al. 2004). Unfortunately, in the early stages of setting up the monitoring program, the wild blue mussel (*Mytilus edulis*) industry was closed to harvesting in 1944 and has never reopened. Data from this monitoring program, as well as toxin uptake and depuration studies, indicate that during a good part of the year it would be possible to harvest mussels that would be safe for consumption and below the regulatory limit for harvesting. In recent years, a carefully regulated cultured blue mussel industry has been established through the Integrated Multi-Trophic Aquaculture (IMTA) program (Haya et al. 2004; Lander et al. 2012). Certain regions, such as Passamaquoddy Bay are potential sites for mussel culture as the numbers of *A. fundyense* cells tend to be lower than in other areas that are more exposed to offshore waters and higher concentrations of *A. fundyense* cells.

Fish kills were experienced in the late 1970s as a result of PSP toxins that had gone through the food chain and ultimately killed hundreds of tonnes of herring held captive in herring weirs. Also, in the mid-1980s, PSP toxins were detected in mackerel and implicated in whale mortalities. Results from the monitoring program indicate that the mid to late 1990s were years with low concentrations of *A. fundyense*. In the early 2000s, the numbers tended to reflect an increasing trend. The massive concentrations observed in the late 1970s and 1980 were again detected and salmon mortalities occurred at aquaculture operations in the Grand Manan region in 2003 (Martin et al. 2006b) and in the Lime Kiln to Beaver Harbour area in 2004 (Burrige et al. 2010). Results from the monitoring program indicate that concentrations in 2003 and 2004 were similar to the

concentrations observed in the late 1970s and in 1980 when concentrations as high as one million cells•L<sup>-1</sup> were observed (Martin and White 1988). The year 2003 was also unusual as *A. fundyense* concentrations peaked in late September and concentrations ranged from 2.9 - 8.8 x 10<sup>5</sup> cells•L<sup>-1</sup> in the eastern Grand Manan Island region. This resulted in greater than “normal” levels of shellfish toxicity and salmon mortalities (Martin et al. 2008; Burrige et al. 2010). As a result, additional monitoring sites were monitored during 2004 and 2005 (Chang et al. 2005). Observations when high concentrations of *A. fundyense* were in surface waters were that fish tended to concentrate at depth in order to avoid higher surface cell concentrations. Fish were not fed when *A. fundyense* concentrations exceeded 1.0 x 10<sup>5</sup> cells•L<sup>-1</sup> as there was concern that the fish would rise to the surface to feed exposing them to the higher densities. During the 2004 event that affected salmon, daily samples were also collected by industry from two areas and showed that *A. fundyense* concentrations exceeded 1.0 x 10<sup>5</sup> cells•L<sup>-1</sup> at one location for more than 25 days from late July through mid August. The highest concentration observed from those sites was greater than one million cells•L<sup>-1</sup> in mid August. Industry counts at an adjacent affected site exceeded 3 million cells•L<sup>-1</sup>. As in 2003, the bloom was patchy and tended to concentrate in surface waters.

Further evidence of the abnormally high concentrations of *A. fundyense* cells during 2003-04 was seen in the levels of PSP toxins in wild shellfish which were higher than normal during the 2 yr. PSP toxins detected in blue mussels (*Mytilus edulis*) from Grand Manan Island were >4 000 µg STX equiv. 100 g<sup>-1</sup> tissue on September 15, 2003. On August 2, 2004, a tourist became ill after collecting and consuming blue mussels (18 080 µg STX equiv. 100 g<sup>-1</sup> cooked tissue) from a salmon site that was experiencing mortalities.

Although our dataset showed highest concentrations in 2007 and 2008 (Fig. 2, 3, 4), high *A. fundyense* concentrations were detected in areas not sampled as part of our regular monitoring during some years - such as 2003 and 2004. The 2007 and 2008 high numbers observed were also not in areas where salmon aquaculture operations were present and therefore the industry was not affected. The 2009 elevated concentrations at Brandy Cove coincided with abnormally high concentrations and red water observations along the northern coast of Maine (McGillicuddy Jr. et al. 2014).

Results from regular monitoring of *A. fundyense* cell densities since 1988 suggest that there tends to be great interannual variability and there are years with high concentrations (greater than 50 000 cells•L<sup>-1</sup>). There can be periods with fewer cells such as 1996-2000 and 2005-2006 – years prior to and immediately following the massive blooms (Page et al. 2006; Martin et al. 2006b, 2008). These data suggest that the extremely high concentrations observed in 2003-04 and 2007-08 are periodic events although, as White (1987) suggested, there are documented periods of higher toxicities (mid 1940s, early 1960s, and late 1970s). This suggests that the salmon industry could be subjected to high concentrations again in the future, but not necessarily every year.

Preliminary results indicate that bloom intensity of *A. fundyense* is weather related. During summers associated with a high number of days with conditions associated with fog, *A. fundyense* concentrations tend to be greater. Additionally, *A. fundyense* cells do not appear to favour conditions associated with prolonged sunshine (such as 2012) or extended periods of rain (2013).

Since 1987, shellfish harvesting areas have only been closed to harvesting in the region during 1988 and 1995 due to unsafe levels of domoic acid. During those years, concentrations of *P. pseudodelicatissima* or the *P. delicatissima* group exceeded one million chains of cells•L<sup>-1</sup> in areas adjacent to shellfish harvesting areas. During 1988, this occurred in August in the Passamaquoddy Bay region, an area not monitored through this monitoring programme at the time. In 1995, shellfish harvesting areas outside Passamaquoddy Bay were affected and through this study 1.53 x 10<sup>6</sup> chains of cells•L<sup>-1</sup> were observed at Deadmans Harbour in late August. Highest concentrations of the *P. delicatissima* group tend to be detected during late summer or August/September. Although high concentrations were observed in 2005, 2006, and 2008, no shellfish harvesting areas were closed to harvesting as a result of unsafe levels of domoic acid during those years. This may have been due to the fact that the high concentrations were not present in inshore areas where shellfish harvesting areas are located.

The *P. delicatissima* group of cells, which includes *P. pseudodelicatissima* and *P. delicatissima*, has been observed at concentrations greater than 10 000 cells•L<sup>-1</sup> during each year of the sampling. Records from 1987-2013 show that concentrations exceeding one million chains of cells•L<sup>-1</sup> in 1988 and 1995 were associated with domoic acid production

(when shellfish exceeded the regulatory limit for domoic acid). Highest concentrations observed in the 7-yr period of this study were 1.65 x 10<sup>6</sup> cells•L<sup>-1</sup> at Wolves surface on August 12, 2008.

Prior to the expansion of the aquaculture industry into the Passamaquoddy Bay area, it was perceived that *M. rubrum* blooms and associated red water in the area were not toxic and did not cause harm. However, as a result of the high concentrations that have drifted through the net pens in the region, it has been suggested that *M. rubrum* may contribute to stress and mortalities through secondary effects such as asphyxiation due to oxygen depletion (Martin et al. 2001), or perhaps excess oxygen (R.L. Peterson, pers. commun.). Affected salmon exhibited symptoms of stress associated with low or excess oxygen resulting from a combination of the red tide, decreased currents, and elevated temperatures. Oceanographic processes controlling phytoplankton dynamics in the area indicate that upper Passamaquoddy Bay waters are suitable for high primary production and the generation of red tides as a result of the area being shallow, warm, having low flushing rates, and stratification in August (Trites and Garrett 1983; Fred Page, Biological Station, 531 Brandy Cove Road, St. Andrews, NB E5B 2L9, pers. commun.). This phenomenon of water discolouration as a result of high concentrations of *M. rubrum* has been observed in both the presence and absence of aquaculture – for example, red-water sightings prior to 2001 were observed during 1975, '77, '79, '89, '93, '98, '99, and 2000 (White et al. 1977; Jennifer Martin, Biological Station, 531 Brandy Cove Road, St. Andrews, NB E5B 2L9, pers. commun.). Although results from the Brandy Cove monitoring site indicate that *M. rubrum* occurs annually in the region, it was found that it rarely forms dense aggregates in the Saint Croix River; therefore, the mid-Passamaquoddy Bay site has been better suited to studying northern Passamaquoddy Bay blooms.

Red tides caused by the organism *M. rubrum* were observed in Passamaquoddy Bay during late summer in several years. During many of the red-water events, brick-red patches of cells were observed drifting through some salmon farms. *M. rubrum* concentrations observed in water samples collected from waters with discolouration exceeded one million cells•L<sup>-1</sup> and resulted in the salmon aquaculture industry being impacted by algal blooms again in northern Passamaquoddy Bay when low level mortalities were observed (Martin et al. 2007). Although red tides of *M. rubrum* had been observed in this area in previous years, the number of aquaculture operations in the area was minimal;

however, numbers of sites increased in the fall of 1997 as a result of sites relocating from the Lime Kiln area. In recent years, the number of operations has decreased, and no mortalities have been reported. Additionally the observed numbers of *M. rubrum* in Passamaquoddy Bay have been lower in recent years. Our data also shows that the high biomass blooms observed earlier in the study experienced a shift to regions outside Passamaquoddy Bay.

Species that have been observed in the Bay of Fundy that have been known to cause problems elsewhere in Canada or the world include: *Dinophysis* spp. (Fernández et al. 1998), *Prorocentrum* spp. (Lawrence et al. 1998; Levasseur et al. 2003) (diarrhetic shellfish toxins); *C. convolutus*, *C. concavicornis* (Horner et al. 1990, 1997), *Gyrodinium aureolum* (Dahl and Tangen 1990, 1993; Romdhane et al. 1998), and *L. minimus* (Clément and Lembeye 1993; Albright et al. 1993) (salmon mortalities). Although these species are known to occur each year in the Fundy region, there have not been any documented incidents of harmful effects to date.

Phytoplankton transport and relocation to other regions of the world are a major concern, especially for HABs. A number of vectors implicated in transport include: changes in hydrography, currents and winds, hull fouling, movement of live shellfish, and shipping. Species “new” to the Bay of Fundy were previously reported in Martin and LeGresley (2008). Following this report, Klein et al. (2010) highlighted characteristics of these species and composed a biological synopsis in order to evaluate the potential risks for introduction to major ports in Canada. Since 2007, an additional eighteen “new” species have been detected (Table 5). This further emphasizes the importance of baseline data for a region in determining introduced species. In our study, we used 1987-1994 for establishing our baseline. With intensified concerns and awareness throughout the world about the global spread of non-indigenous species the importance of long-term time series is being identified as critical.

Unfortunately we are unable to predict phytoplankton densities from year to year. We are, however, able to provide an early warning to industry and regulatory agencies of the progress of a particular bloom. Results have shown that it is important to understand that every species is unique and information particular to one species cannot be applied to another – especially when trying to determine mitigation measures. Monitoring indicates wide interannual variation in density of populations

and the necessity to monitor, at the very least weekly, in order to provide an early warning. In addition, as industries expand and new industries are introduced, environmental monitoring is essential. A number of parameters such as environmental data, phytoplankton community structure, and trend analyses are being examined to further understand patterns and trends.

In the future, should fish pens be located in areas prone to red tides, we recommend monitoring during the period when red tides are common. For this particular region, this is generally in late summer. For areas with little historical data, if water discoloration is observed, monitoring should be initiated. Identification of the causative organism is essential as every species is unique and behavioral patterns can differ according to species and geographic location. As the upper Passamaquoddy Bay is susceptible to red tides, it is recommended that if net pens are located in these waters that phytoplankton be monitored, at minimum, on a weekly basis and authorized personnel notified of water discoloration for research and advice on mitigation techniques. Results of the monitoring program indicate the importance of phytoplankton measurement. Additional knowledge of the physical oceanography of the area would contribute towards better understanding events such as bloom initiation, transport, and decay.

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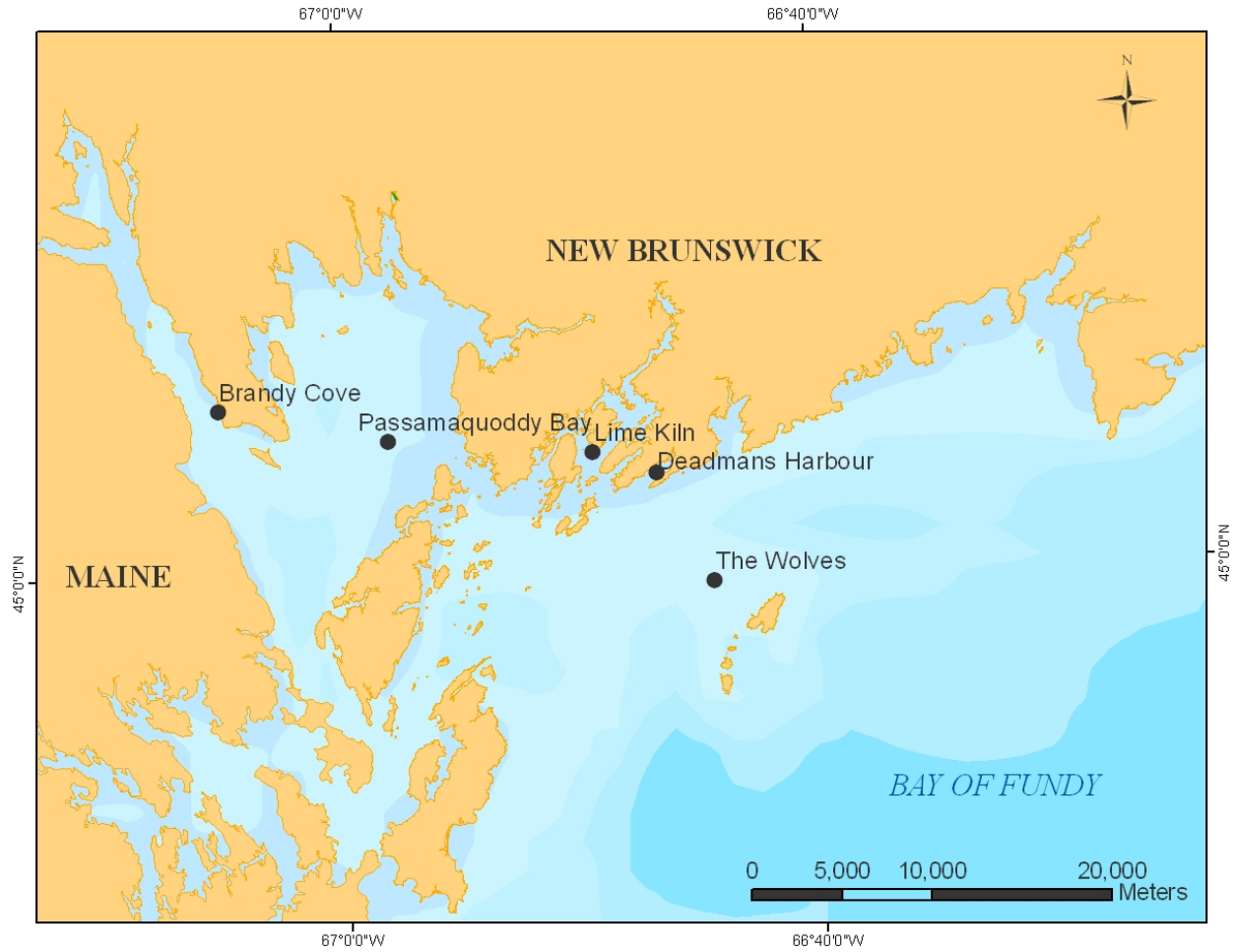


Fig. 1. Map showing the five sampling stations: Brandy Cove (#17), Passamaquoddy Bay (#25), Lime Kiln (#3), Deadmans Harbour (#15), and The Wolves (#16).



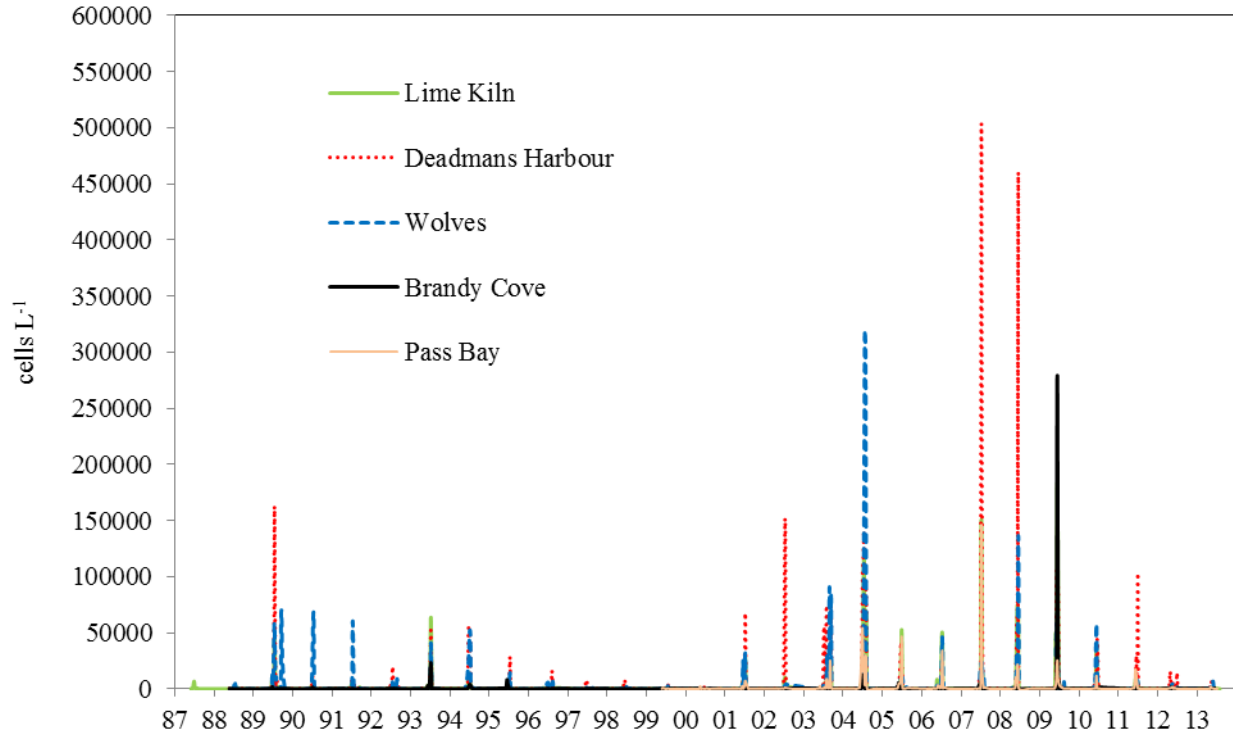


Fig. 2. *Alexandrium fundyense* concentrations (in cells  $\cdot L^{-1}$ ) from the 5 stations (1987-2013). Lime Kiln was initiated in 1987 and Mid-Passamaquoddy Bay (Pass Bay) was initiated in 1999.

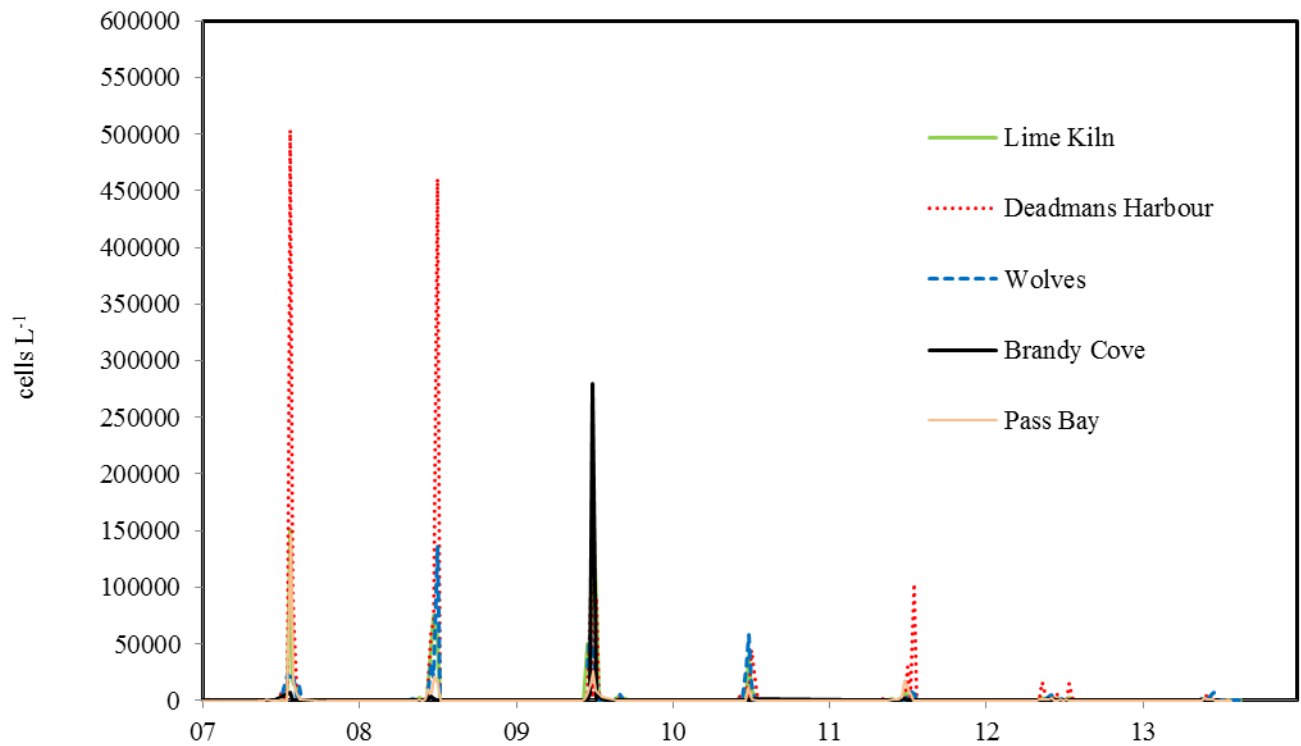


Fig. 3. *Alexandrium fundyense* concentrations (in cells  $\cdot L^{-1}$ ) from the 5 stations (2007-2013).

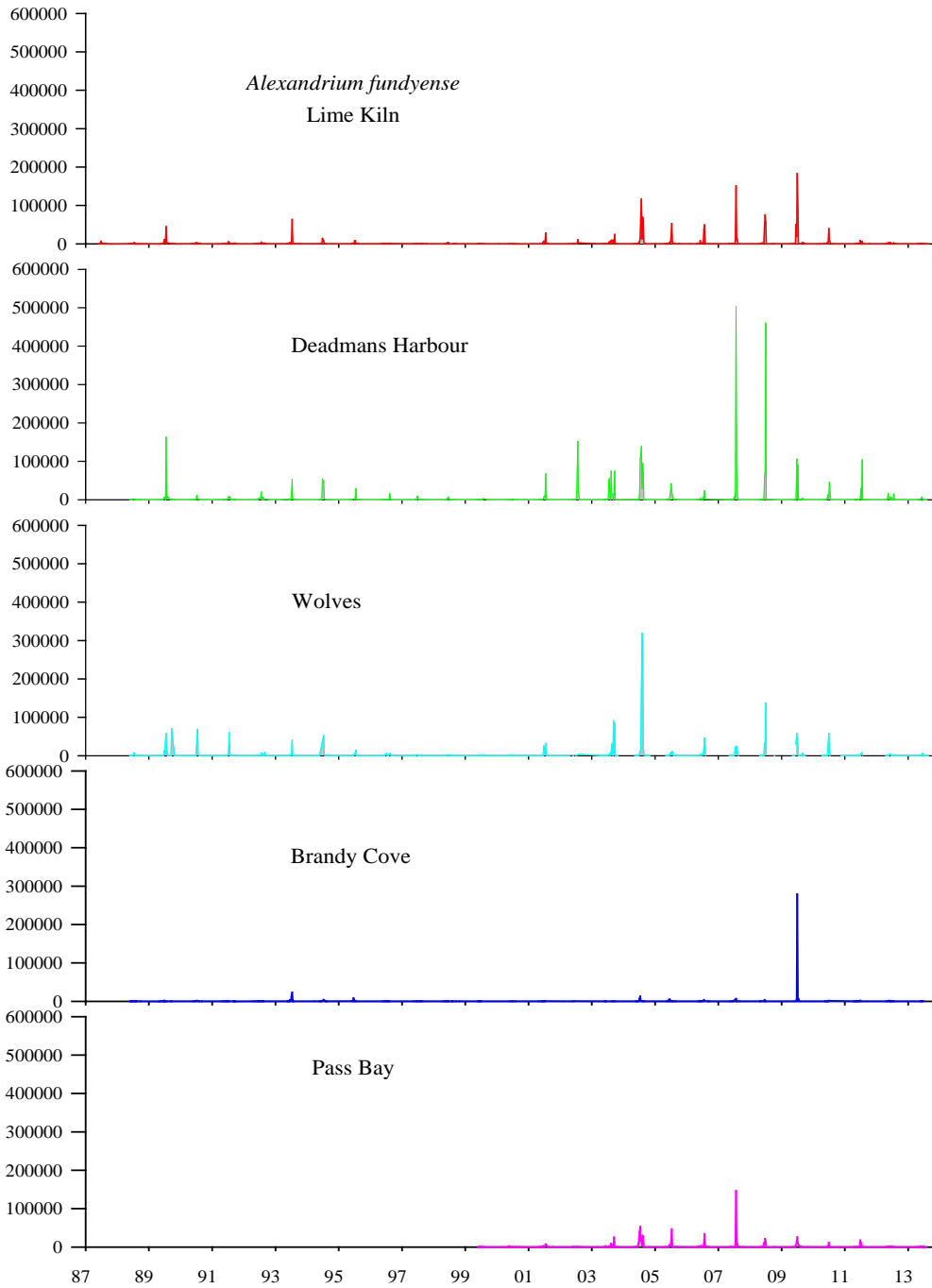


Fig. 4. *Alexandrium fundyense* concentrations (in cells·L<sup>-1</sup>) from the 5 stations (1987-2013).

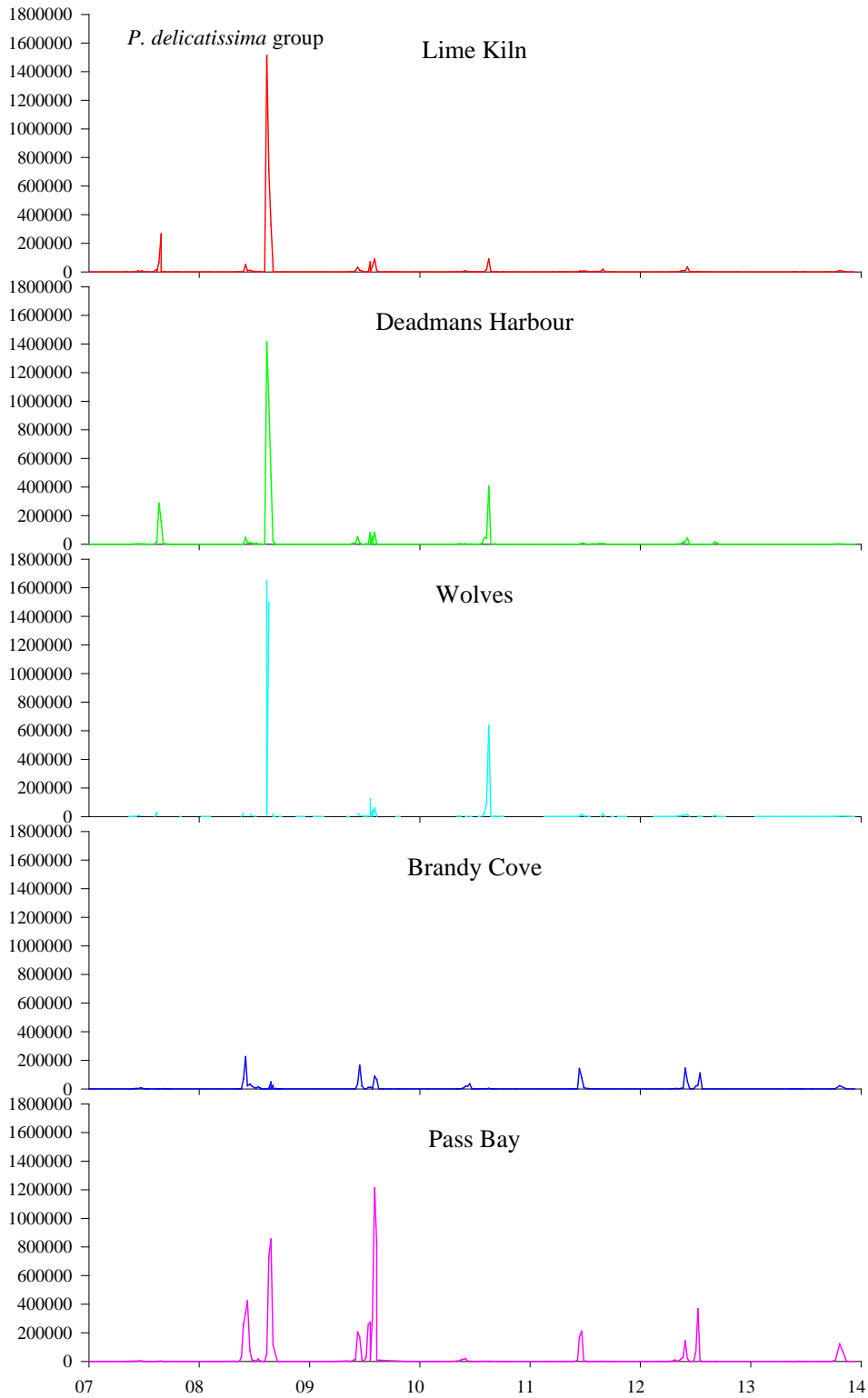


Fig. 5. *Pseudo-nitzschia delicatissima* group concentrations (in chains·L<sup>-1</sup>) from the 5 stations (2007-2013).

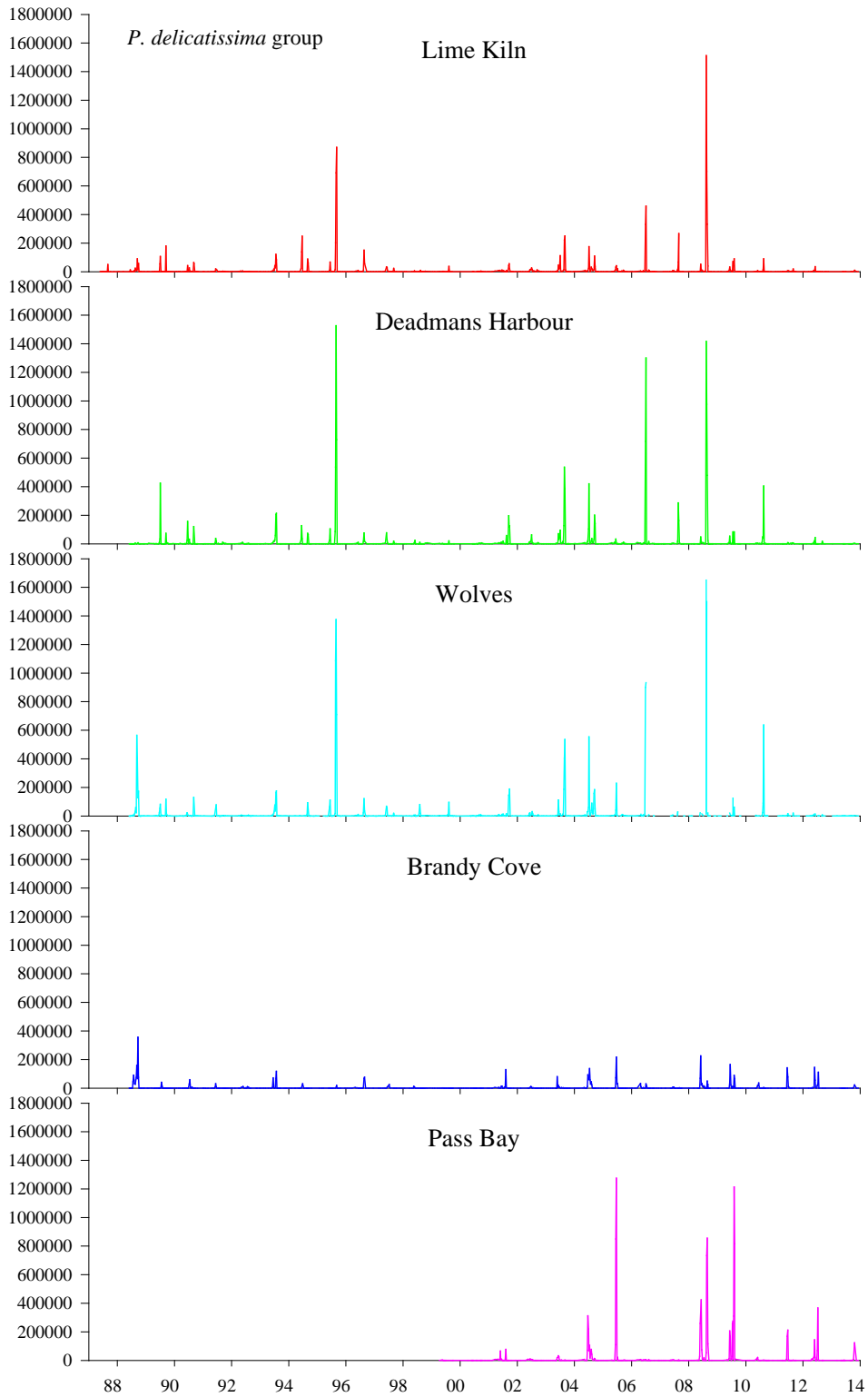


Fig. 6. *Pseudo-nitzschia delicatissima* group concentrations (in chains of cells·L<sup>-1</sup>) from the 5 stations (1987-2013).

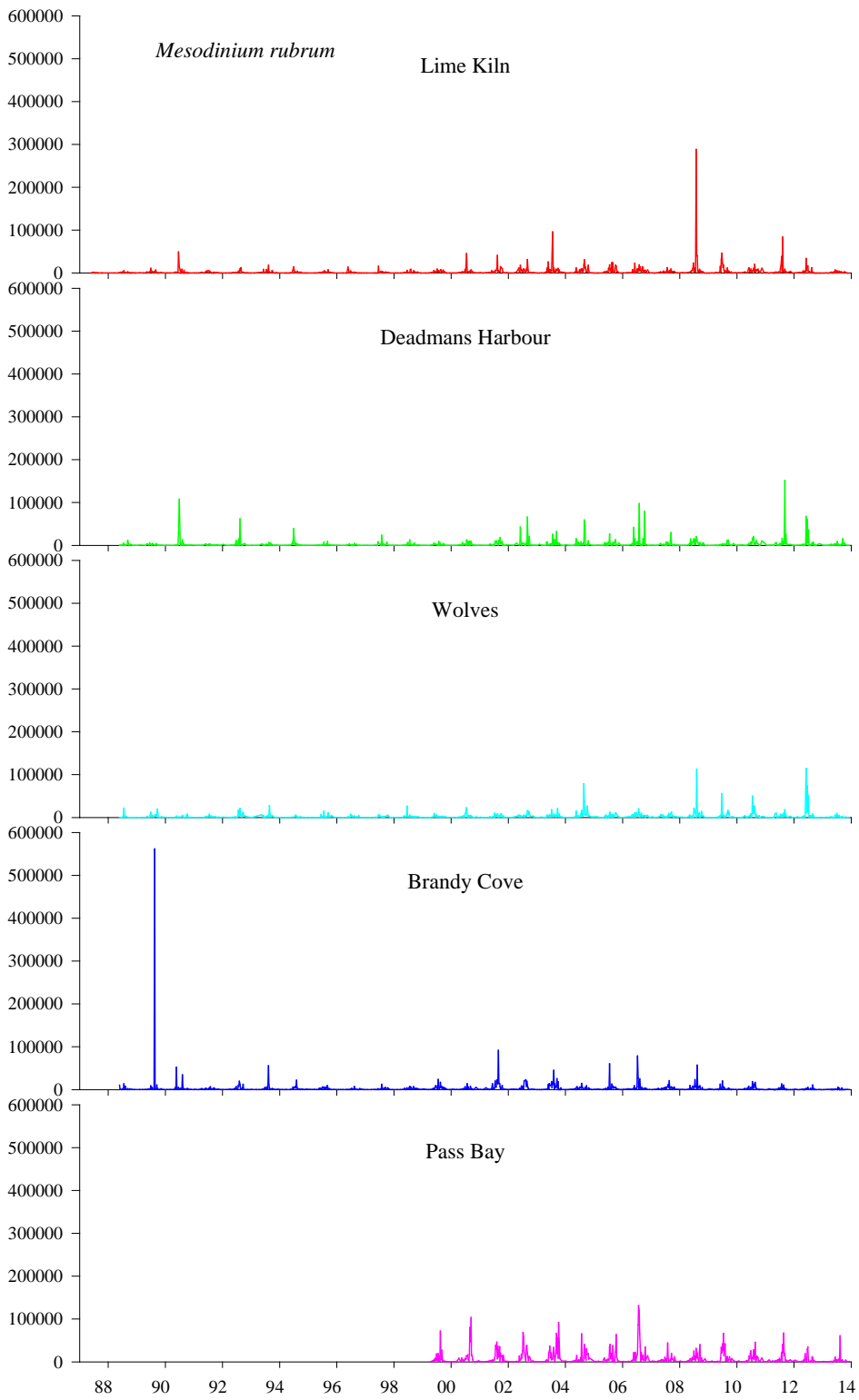


Fig. 7. *Mesodinium rubrum* concentrations (in cells  $\cdot$  L $^{-1}$ ) from the 5 stations (1987-2013).

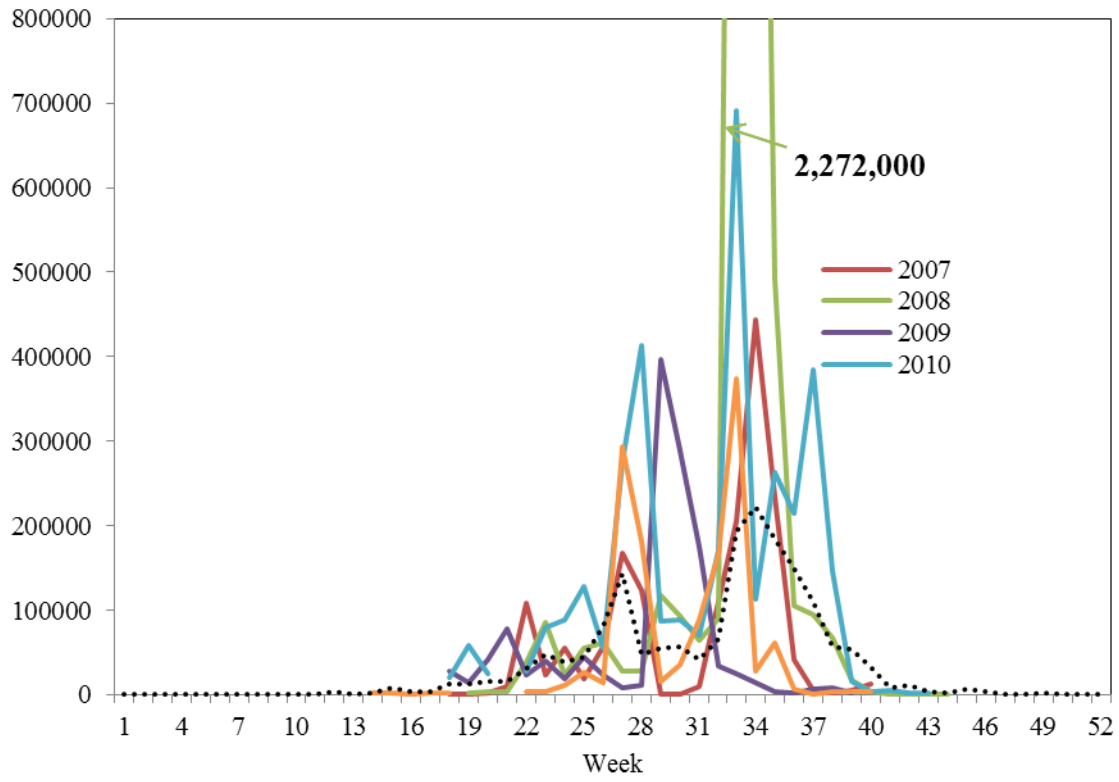


Fig. 8. Weekly sum of total diatoms at the Wolves Islands between 2007 and 2011.

**Appendix 1. Species observed during 2007 – 2011. \*Indicates species added to list since 2007.**

<b>Species (2007-2011)</b>	<b>Authority</b>	<b>Previously identified as</b>
<i>Acanthostomella norvegica</i>	(Daday) Jörgensen	
<i>Achnanthes</i> sp.	Bory de Saint-Vincent	
<i>Actinoptychus senarius</i>	(Ehrenberg) Ehrenberg	<i>Actinoptychus undulatus</i>
<i>Alexandrium fundyense</i> <sup>1</sup>	Balech	
<i>Alexandrium ostenfeldii</i>	(Paulsen) Balech & Tangen	
<i>Alexandrium pseudogonyaulax</i>	(Biecheler) Horiguchi ex Kita & Fukuyo	
<i>Amphidinium carterae</i>	Hulburt	
<i>Amphidinium sphenoides</i>	Wulff	
<i>Amylax triacantha</i>	(Jörgensen) Sournia	<i>Gonyaulax triacantha</i>
<i>Apedinella radians</i>	(Thronsen) Thronsen	<i>Apedinella spinifera</i> ; <i>Apedinella</i> sp.
Armoured dinoflagellate		
<i>Asterionella formosa</i>	Hassall	
<i>Asterionellopsis glacialis</i>	(Castracane) Round	<i>Asterionella japonica</i>
<i>Asteroplanus karianus</i>	(Grunow) C.Gardner & R.M.Crawford	<i>Asterionellopsis kariana</i> ; <i>Asterionella kariana</i>
<i>Attheya longicornis</i>	Crawford & Gardner	
<i>Attheya septentrionalis</i>	(Ostrup) Crawford	
<i>Attheya</i> spp.	West	
<i>Aulacoseira ambigua</i>	(Grunow) Simonsen	<i>Melosira ambigua</i>
<i>Aulacoseira granulata</i>	(Ehrenberg) Simonsen	<i>Melosira granulata</i>
<i>Bacillaria paxillifera</i>	(O.F. Müller) Hendey	<i>Bacillaria paradoxa</i> ; <i>Bacillaria paxillifer</i> <i>Triceratium alternans</i>
<i>Biddulphia alternans</i>	(J.W.Bailey) Van Heurck	
<i>Brachionus</i> spp.	Pallas	
<i>Calliacantha</i> sp.	Leadbeater	
Centric diatom		
<i>Cerataulina pelagica</i>	(Cleve) Hendey	
<i>Ceratium bucephalum</i> *	Cleve	<i>Ceratium symmetricum</i>
<i>Ceratium furca</i>	(Ehrenberg) Clarapède & Lachmann	
<i>Ceratium fusus</i>	(Ehrenberg) Dujardin	
<i>Ceratium horridum</i>	(Cleve) Gran	
<i>Ceratium lineatum</i>	(Ehrenberg) Cleve	
<i>Ceratium longipes</i>	(Bailey) Gran	
<i>Ceratium macroceros</i>	(Ehrenberg) Vanhöffen	
<i>Ceratium minutum</i>	Jörgensen	
<i>Ceratium</i> spp.	Schrank	
<i>Ceratium tripus</i>	(O.F. Müller) Nitzsch	
<i>Chaetoceros affinis</i>	Lauder	
<i>Chaetoceros atlanticus</i>	Cleve	
<i>Chaetoceros borealis</i>	Bailey	
<i>Chaetoceros brevis</i>	Schütt	
<i>Chaetoceros concavicornis</i>	Mangin	
<i>Chaetoceros constrictus</i>	Gran	

<b>Species (2007-2011)</b>	<b>Authority</b>	<b>Previously identified as</b>
<i>Chaetoceros contortus</i>	Schütt	<i>Chaetoceros compressus</i>
<i>Chaetoceros convolutus</i>	Castracane	
<i>Chaetoceros convolutus / concavicornis</i>		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	J.F. Brunel	<i>Chaetoceros convolutus</i> var. <i>trisetosa</i>
<i>Chaetoceros danicus</i>	Cleve	
<i>Chaetoceros debilis</i>	Cleve	
<i>Chaetoceros decipiens</i>	Cleve	
<i>Chaetoceros densus</i>	(Cleve) Cleve	
<i>Chaetoceros diadema</i>	(Ehrenberg) Gran	
<i>Chaetoceros didymus</i>	Ehrenberg	
<i>Chaetoceros filiformis</i>	Meunier	
<i>Chaetoceros furcellatus</i>	Bailey	
<i>Chaetoceros lacinosus</i>	Schütt	
<i>Chaetoceros lorenzianus</i>	Grunow	
<i>Chaetoceros peruvianus</i> *	Brightwell	
<i>Chaetoceros pseudobrevis</i>	Pavillard	
<i>Chaetoceros pseudocrinitus</i>	Ostenfeld	<i>Chaetoceros ingolfianus</i>
<i>Chaetoceros radicans</i>	Schütt	
<i>Chaetoceros similis</i>	Cleve	
<i>Chaetoceros simplex</i>	Ostenfeld	
<i>Chaetoceros socialis</i>	Lauder	
<i>Chaetoceros</i> spp. (Hyalochaete)	Gran	
<i>Chaetoceros</i> spp. (Phaeoceros)	Gran	
<i>Chaetoceros subtilis</i>	Cleve	
<i>Chaetoceros tenuissimus</i>	Meunier	
<i>Chaetoceros teres</i>	Cleve	
<i>Chrysochromulina parkeae</i>	Green & Leadbeater	
<i>Commation cryoporinum</i>	Thomsen & Larsen	
Copepoda	Milnes-Edwards	
<i>Corethron hystrix</i>	Hensen	<i>Corethron criophilum</i>
<i>Coscinodiscus centralis</i>	Ehrenberg	
<i>Coscinodiscus concinnus</i>	Wm. Smith	
<i>Coscinodiscus radiatus</i>	Ehrenberg	<i>Coscinodiscus</i> sp. (60 um)
<i>Coscinodiscus</i> spp.	Ehrenberg	
<i>Coscinodiscus wailesii</i>	Gran & Angst	
<i>Cyclotella</i> spp.	(Kützing) Brébisson	
<i>Cylindrotheca closterium</i>	(Ehrenberg) Lewin & Reimann	<i>Nitzschia closterium</i>
<i>Cylindrotheca gracilis</i>	(Brébisson ex Kützing) Grunow	
<i>Dactyliosolen fragilissimus</i>	(Bergon) Hasle	<i>Rhizosolenia fragilissima</i>
<i>Detonula confervacea</i>	(Cleve) Gran	<i>Detonula cystifera</i>
<i>Dictyocha fibula</i>	Ehrenberg	
<i>Dictyocha speculum</i>	Ehrenberg	<i>Distephanus speculum</i>
<i>Dictyocysta</i> sp.*	Ehrenberg	
<i>Dinobryon</i> spp.	Ehrenberg	



<b>Species (2007-2011)</b>	<b>Authority</b>	<b>Previously identified as</b>
<i>Dinophysis acuminata</i>	Claparède & Lachmann	
<i>Dinophysis acuta</i>	Ehrenberg	
<i>Dinophysis caudata</i>	Saville-Kent	
<i>Dinophysis dens</i>	Pavillard	
<i>Dinophysis fortii</i>	Pavillard	
<i>Dinophysis norvegica</i>	Claparède & Lachmann	
<i>Dinophysis pulchella</i>	(Lebour) Balech	<i>Phalacroma pulchellum</i>
<i>Dinophysis rotundata</i>	Claparède & Lachmann	<i>Phalacroma rotundatum</i>
<i>Dinophysis</i> spp.	Ehrenberg	
<i>Dinophysis tripos</i>	Gourret	
<i>Dissodinium pseudolunula</i>	Swift ex Elbrächter and Drebes	<i>Pyrocystis lunula</i>
<i>Ditylum brightwellii</i>	(West) Grunow	<i>Ditylum brightwellii</i>
<i>Ebria tripartita</i>	(Schumann) Lemmermann	
<i>Entomoneis</i> spp.	Ehrenberg	<i>Amphiprora</i> sp.
<i>Eucampia groenlandica</i>	Cleve	
<i>Eucampia</i> spp.	Ehrenberg	
<i>Eucampia zodiacus</i>	Ehrenberg	<i>Eucampia zodiacus</i>
<i>Eutintinnus</i> sp.	Kofoid & Campbell	
<i>Eutreptiella</i> sp.	A.da Cunha	<i>Eutreptia/Eutreptiella</i>
<i>Favella</i> spp.	Jørgensen	
<i>Fragilaria</i> spp.	Lyngbye	
<i>Gonyaulax alaskensis</i> *	Kofoid	
<i>Gonyaulax digitale</i>	(Pouchet) Kofoid	
<i>Gonyaulax spinifera</i>	(Claparède & Lachmann) Diesing	
<i>Grammatophora marina</i>	(Lyngbye) Kützing	
<i>Guinardia delicatula</i>	(Cleve) Hasle	<i>Rhizosolenia delicatula</i>
<i>Guinardia flaccida</i>	(Castracane) Peragallo	
<i>Guinardia striata</i>	(Stolterfoth) Hasle	<i>Rhizosolenia stolterfothii</i>
<i>Gymnodinium</i> spp.	Stein	
<i>Gyrodinium aureolum</i>	Hulburt	
<i>Gyrodinium</i> spp.	Kofoid & Swezy	
<i>Gyrosigma balticum</i>	(Ehrenberg) Rabenhorst	<i>Gyrosigma baltica</i>
<i>Gyrosigma fasciola</i>	(Ehrenberg) Griffith & Henfrey	
<i>Gyrosigma littorale</i>	(W. Smith) Griffith & Henfrey	
<i>Gyrosigma</i> spp.	Hassall	
<i>Gyrosigma tenuissimum</i>	(W. Smith) Griffith & Henfrey	<i>Gyrosigma tenuissimum</i>
<i>Helicostomella</i> spp.	Jørgensen	
<i>Helicotheca tamesis</i>	(Shrubsole) Ricard	<i>Streptotheca thamensis</i>
<i>Heterocapsa triquetra</i>	(Ehrenberg) Stein	<i>Peridinium triquetra</i>
<i>Hexasterias problematica</i>	Cleve	<i>Polyasterias problematica</i>
<i>Laboea</i> sp.	Lohmann	
<i>Lauderia annulata</i>	Cleve	<i>Lauderia borealis</i>
<i>Lennoxia faveolata</i>	Thomsen & Buck	
<i>Leptocylindrus danicus</i>	Cleve	

<b>Species (2007-2011)</b>	<b>Authority</b>	<b>Previously identified as</b>
<i>Leptocylindrus mediterraneus</i>	(H. Peragallo) Hasle	
<i>Leptocylindrus minimus</i>	Gran	
<i>Licmophora</i> spp.	C.A. Agardh	<i>Lycmophora lyngbyei</i>
<i>Mediopyxis helysia</i>	Kühn, Hargraves & Halliger	
<i>Melosira monoliformis</i>	(Müller) Agardh	
<i>Melosira nummuloides</i>	C.A. Agardh	
<i>Membraneis challengerii</i>	(Grunow) Paddock	<i>Plagiostris</i> sp.; <i>Tropidoneis</i> sp.
<i>Meridion circulare</i> *	(Greville) C. Agardh	
<i>Meringosphaera mediterranea</i>	Lohmann	
<i>Mesodinium rubrum</i>	Lohmann	
<i>Micracanthodinium claytonii</i>	(Holmes) Dodge	
<i>Navicula distans</i>	(W. Smith) Ralfs	<i>Navicula</i> sp.
<i>Navicula transitans</i> var. <i>derasa</i>	(Grunow) Cleve	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	Heimdal	
<i>Notholca</i> spp.	Gosse	
<i>Oblea</i> sp.*	Balech ex Loeblich Jr. & Loeblich III	
<i>Odontella aurita</i>	(Lyngbye) Agardh	<i>Biddulphia aurita</i>
<i>Odontella obtusa</i>	(Kützing)	<i>Biddulphia obtusa</i>
<i>Odontella regia</i>	(Schultze) Simonsen	<i>Biddulphia regia</i>
<i>Odontella sinensis</i>	(Greville) Grunow	
<i>Odontella</i> spp.	C.A. Agardh	<i>Biddulphia</i> sp.
<i>Oxytoxum gracile</i> *	Schiller	
<i>Oxytoxum laticeps</i>	Schiller	
<i>Oxytoxum</i> spp.	Schiller	
<i>Parafavella</i> spp.	Kofoed & Campbell	
<i>Paralia sulcata</i>	(Ehrenberg) Cleve	<i>Paralia marina</i>
Pennate diatom		
<i>Peridinium limbatum</i>	(Stokes) Lemmermann	
<i>Phaeocystis pouchetii</i>	(Harriot) Lagerheim	
<i>Pleurosigma</i> / <i>Gyrosigma</i>		
<i>Pleurosigma angulatum</i>	(Quekett) W. Smith	
<i>Pleurosigma strigosum</i>	W. Smith	<i>Pleurosigma angulatum</i> var. <i>strigosa</i>
<i>Podon</i> spp.*	Lilljeborg	
<i>Polykrikos</i> spp.	Bütschli	
<i>Porosira glacialis</i>	(Grunow) Jörgensen	
<i>Preperidinium meuneri</i>	(Pavillard) Elbrächter	
<i>Proboscia alata</i>	(Brightwell) Sundström	<i>Rhizosolenia alata</i>
<i>Prorocentrum micans</i>	Ehrenberg	
<i>Prorocentrum minimum</i>	(Pavillard) Schiller	
<i>Prorocentrum</i> sp. (small)	Ehrenberg	
<i>Protoperidinium americanum</i> *	(Gran & Braarud) Balech	
<i>Protoperidinium bipes</i>	(Paulsen) Balech	<i>Minuscula bipes</i>
<i>Protoperidinium brevipes</i>	(Paulsen) Balech	
<i>Protoperidinium cerasus</i> *	(Paulsen) Balech	

<b>Species (2007-2011)</b>	<b>Authority</b>	<b>Previously identified as</b>
<i>Protoperidinium conicum</i>	(Gran) Balech	<i>Peridinium conicum</i>
<i>Protoperidinium crassipes</i>	(Kofoid) Balech	
<i>Protoperidinium denticulatum</i>	(Gran & Braarud) Balech	<i>Peridinium denticulatum</i>
<i>Protoperidinium depressum</i>	(Bailey) Balech	<i>Peridinium depressum</i>
<i>Protoperidinium excentricum</i>	(Paulsen) Balech	<i>Peridinium excentricum</i>
<i>Protoperidinium granii</i> *	(Ostenfeld) Balech	
<i>Protoperidinium mite</i> *	(Pavillard) Balech	
<i>Protoperidinium oblongum</i>	(Aurivillius) Parke & Dodge	<i>Peridinium oblongum</i>
<i>Protoperidinium ovatum</i>	Pouchet	<i>Peridinium ovatum</i>
<i>Protoperidinium punctulatum</i>	(Paulsen) Balech	
<i>Protoperidinium</i> spp.	Bergh	<i>Peridinium</i> sp.
<i>Protoperidinium steinii</i>	(Jørgensen) Balech	
<i>Pseudo-nitzschia americana</i>	(Hasle) Fryxell	<i>Nitzschia</i> sp.
<i>Pseudo-nitzschia delicatissima</i>	(Hasle) Fryxell	
<i>Pseudo-nitzschia delicatissima</i> group		
<i>Pseudo-nitzschia fraudulenta</i>	(Cleve) Hasle	
<i>Pseudo-nitzschia pseudodelicatissima</i>	(Hasle) Hasle	
<i>Pseudo-nitzschia pungens</i>	(Grunow ex Cleve) Hasle	
<i>Pseudo-nitzschia seriata</i>	(Cleve) H.Peragallo	
<i>Pseudo-nitzschia seriata</i> group		
<i>Pseudo-nitzschia subpacifica</i>	(Hasle) Hasle	
<i>Pseudo-nitzschia turgidula</i> *	(Hustedt) G.R.Hasle	
<i>Pterosperma</i> sp.	(Hustedt) G.R.Hasle	
<i>Pterosperma vanhoeffenii</i> *	(Jørgensen) Ostenfeld	
<i>Ptychocylis</i> spp.	Brandt	
<i>Rhabdonema</i> spp.	Kützing	
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	(Hensen) Gran	<i>Rhizosolenia hebetata</i>
<i>Rhizosolenia imbricata</i>	Brightwell	<i>Rhizosolenia shrubsolei</i>
<i>Rhizosolenia setigera</i>	Brightwell	
<i>Rhizosolenia</i> spp.	Brightwell	
<i>Rhizosolenia styliiformis</i>	Brightwell	
<i>Salpingella</i> spp.	Jørgensen	
<i>Scrippsiella</i> sp.	Balech ex Loeblich II	
<i>Scrippsiella trochoidea</i>	(Stein) Loeblich III	
<i>Skeletonema costatum</i>	(Greville) Cleve	
<i>Stephanopyxis turris</i>	(Greville) Ralfs	
<i>Striatella unipunctata</i>	(Lyngbye) Agardh	
Strobilididae		<i>Strombolidinium</i> sp.
<i>Synedra</i> spp.	Ehrenberg	
<i>Tabellaria</i> spp.	Ehrenberg ex Kützing	
<i>Thalassionema nitzschioides</i>	(Grunow) Mereschkowsky	<i>Thalassiothrix nitzschiodes</i>
<i>Thalassiosira anguste-lineata</i>	(A. Schmidt) Fryxell & Hasle	<i>Thalassiosira anguste-lineata</i> ; <i>Coscosira polychorda</i>
<i>Thalassiosira baltica</i>	(Grunow) Ostenfeld	
<i>Thalassiosira bioculata</i>	(Grunow) Ostenfeld	

<b>Species (2007-2011)</b>	<b>Authority</b>	<b>Previously identified as</b>
<i>Thalassiosira bioculata</i> var. <i>exigua</i>	(Grunow) Hustedt	
<i>Thalassiosira conferta</i> *	Hasle	
<i>Thalassiosira gravida</i>	Cleve	
<i>Thalassiosira hyalina</i>	(Grunow) Gran	
<i>Thalassiosira nordenskiöldii</i>	Cleve	
<i>Thalassiosira oestrupii</i>	(Ostenfeld) Hasle	
<i>Thalassiosira punctigera</i>	(Castracane) Hasle	<i>Thalassiosira punctifera</i>
<i>Thalassiosira</i> sp. (tiny)		
<i>Thalassiosira</i> spp.	Cleve	
<i>Thalassiothrix longissima</i>	Cleve & Grunow	
Tintinnida	Kofoed & Campbell	
<i>Tintinnopsis beroidea</i>	Stein	
<i>Tintinnopsis campanula</i>	Ehrenberg	
<i>Tintinnopsis</i> spp.	Stein	
Unarmoured dinoflagellate		
<i>Urosolenia eriensis</i> *	(H.L.Smith) Round & R.M.Crawford	

#### <sup>1</sup>**Lifestages of *Alexandrium fundyense***

*Alexandrium fundyense* (cyst)  
*Alexandrium fundyense* (duplet)  
*Alexandrium fundyense* (fusing)  
*Alexandrium fundyense* (planozygote)  
*Alexandrium fundyense* (quadruplet)  
*Alexandrium fundyense* (triplet)

**Appendix 2. Phytoplankton densities as number of cells•L<sup>-1</sup> in 2007-2011.**

16-Jan-07	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Actinopterychus senarius</i>					160			
<i>Amphidinium carterae</i>								20
Armoured dinoflagellate			60				20	100
<i>Asterionellopsis glacialis</i>		60	60		40		20	
<i>Aulacoseira ambigua</i>		20						
Centric diatom				80				
<i>Cerataulina pelagica</i>			20					
<i>Chaetoceros simplex</i>							20	
<i>Chaetoceros</i> spp. (Hyalochaete)		20			40			100
<i>Commation cryoporinum</i>								20
Copepoda				360	40			260
<i>Corethron hystrix</i>		60	40		40		20	40
<i>Coscinodiscus</i> spp.	20	40	40		80		20	
<i>Cylindrotheca closterium</i>	300	300	800	280	240	160	660	640
<i>Dactyliosolen fragilissimus</i>	20			40				
<i>Dictyocha speculum</i>				40			40	60
<i>Dinobryon</i> spp.							20	
<i>Ditylum brightwellii</i>	140	220	140	200	400	280	280	180
<i>Eutreptiella</i> sp.								40
<i>Guinardia delicatula</i>	60	60	100				60	20
<i>Gyrodinium</i> spp.		40			40		20	
<i>Gyrosigma tenuissimum</i>					40			
<i>Heterocapsa triquetra</i>								20
<i>Laboea</i> sp.		20	20					
<i>Leptocylindrus minimus</i>		20	20					20
<i>Melosira nummuloides</i>	40							
<i>Mesodinium rubrum</i>	320	620	1880	200		80	240	1540
<i>Navicula distans</i>	20		20				20	
<i>Navicula transitans</i> var. <i>derasa</i>	20							
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			20	40				
<i>Notholca</i> spp.	20	40						60
<i>Odontella sinensis</i>			20		40	80		20
<i>Paralia sulcata</i>				40				20
Pennate diatom	80	80	100	120	160	80	180	240
<i>Pleurosigma angulatum</i>						40		
<i>Pleurosigma strigosum</i>	20			40	40			
<i>Prorocentrum micans</i>		20						
<i>Prorocentrum minimum</i>								20
<i>Protoperidinium</i> spp.						40	20	
<i>Pseudo-nitzschia delicatissima</i> group		40		80		120	120	
<i>Pseudo-nitzschia pseudodelicatissima</i>					80			40
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>						40		
<i>Rhizosolenia setigera</i>		20					20	
<i>Skeletonema costatum</i>					40		20	
<i>Thalassionema nitzschioides</i>		20	60		200			
<i>Thalassiosira baltica</i>		40			40	40		40
<i>Thalassiosira gravida</i>	20			120	80	200	20	60
<i>Thalassiosira nordenskiöldii</i>					40			
<i>Thalassiosira punctigera</i>						40	20	



12-Feb-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira</i> spp.	240	380	100	80	120	400	80	440
Tintinnida	180	60	20	200	80	80	100	280
<i>Tintinnopsis</i> spp.								20
Unarmoured dinoflagellate	40	20	20			40	20	40
<b>9-Mar-07</b>								
<i>Actinoptychus senarius</i>								20
<i>Amphidinium carterae</i>		20						
Armoured dinoflagellate								20
<i>Asterionellopsis glacialis</i>	20							20
<i>Aulacoseira ambigua</i>							20	
<i>Chaetoceros debilis</i>							20	
<i>Chaetoceros similis</i>	20							
<i>Chaetoceros</i> spp. (Hyalochaete)	20						100	40
<i>Commation cryoporinum</i>							20	
<i>Corethron hystrix</i>	20	20						
<i>Coscinodiscus</i> spp.	20							
<i>Cylindrotheca closterium</i>	220	620					160	380
<i>Dictyocha speculum</i>	100	20					40	60
<i>Ditylum brightwellii</i>	20	80					20	40
<i>Eutreptiella</i> sp.	20							
<i>Guinardia delicatula</i>		40						60
<i>Gyrodinium</i> spp.	20							
<i>Laboea</i> sp.	20							20
<i>Leptocylindrus minimus</i>		20						
<i>Mesodinium rubrum</i>	460	20					1000	640
<i>Navicula distans</i>		60					120	
<i>Notholca</i> spp.		120					20	40
<i>Odontella aurita</i>							20	40
Pennate diatom	120	120					120	40
<i>Pleurosigma angulatum</i>		20						
<i>Pseudo-nitzschia delicatissima</i> group	40	20					20	100
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	20							
<i>Rhizosolenia setigera</i>		20						20
<i>Skeletonema costatum</i>	20	40					20	60
<i>Thalassionema nitzschioides</i>		20						
<i>Thalassiosira anguste-lineata</i>							20	
<i>Thalassiosira baltica</i>		20						
<i>Thalassiosira gravida</i>		40						
<i>Thalassiosira nordenskiöldii</i>								60
<i>Thalassiosira</i> spp.	140	120					140	260
Tintinnida	40	40					80	60
<i>Tintinnopsis</i> spp.							60	
Unarmoured dinoflagellate	80	20					40	20
<b>2-Apr-07</b>								
<i>Achnanthes</i> sp.							20	
<i>Amphidinium carterae</i>				40	40			
Armoured dinoflagellate	60		40	40				40
<i>Asterionella formosa</i>							40	
<i>Asterionellopsis glacialis</i>			20				20	20





1-May-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Asterionellopsis glacialis</i>	20							
<i>Aulacoseira ambigua</i>	20							40
<i>Chaetoceros concavicornis</i>						40		
<i>Chaetoceros convolutus</i>		20						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>			40					
<i>Chaetoceros debilis</i>	60		40				40	160
<i>Chaetoceros lacinosus</i>	20							
<i>Chaetoceros simplex</i>							20	60
<i>Chaetoceros socialis</i>	60				80			160
<i>Chaetoceros</i> spp. (Hyalochaete)	140	100	120	40	40	120	140	1320
<i>Commation cryoporinum</i>	20	40						20
Copepoda	20							
<i>Coscinodiscus</i> spp.	20	20	40		40			
<i>Cylindrotheca closterium</i>	120	40	80	80	40	120	40	40
<i>Detonula confervacea</i>				80				
<i>Dictyocha speculum</i>	100	80	160	120	80	80		60
<i>Dinobryon</i> spp.			40				600	60
<i>Dinophysis acuminata</i>					40			
<i>Ebria tripartita</i>								20
<i>Eutreptiella</i> sp.	100	100	320	400		40		920
<i>Fragilaria</i> spp.								560
<i>Gyrodinium</i> spp.	460	440	200	840	40	80	20	240
<i>Heterocapsa triquetra</i>	40	100	40	80				20
<i>Laboea</i> sp.	60		80	40		40		20
<i>Leptocylindrus danicus</i>							20	
<i>Leptocylindrus minimus</i>	60	20						
<i>Licmophora</i> spp.	60		40		40			1200
<i>Mediopyxis helysia</i>							20	
<i>Melosira moniliformis</i>								20
<i>Melosira nummuloides</i>					40			
<i>Mesodinium rubrum</i>	3040	4080	4200	280	120	160	740	3600
<i>Navicula distans</i>	60	20	40				20	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					40	40		
<i>Odontella aurita</i>								20
Pennate diatom	140	60	80		160	160	960	1520
<i>Peridinium limbatum</i>							40	
<i>Pleurosigma angulatum</i>						40		
<i>Porosira glacialis</i>	180	160	120	160		80	40	20
<i>Preperidinium meuneri</i>				40				
<i>Prorocentrum minimum</i>	80		200	600				120
<i>Protoperidinium brevipes</i>				40				
<i>Protoperidinium</i> spp.	40	20				40		
<i>Pseudo-nitzschia delicatissima</i> group	60			120	120	120		60
<i>Ptychocylis</i> spp.				40				
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>						40		
<i>Skeletonema costatum</i>	20	20	160	40			40	20
<i>Synedra</i> spp.			40					
<i>Thalassionema nitzschioides</i>						40		
<i>Thalassiosira anguste-lineata</i>						40		

1-May-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira baltica</i>			40					
<i>Thalassiosira gravida</i>			40					
<i>Thalassiosira nordenskiöldii</i>	20	20	160			40		760
<i>Thalassiosira</i> spp.	300	240	440	800	400	760	60	680
Tintinnida	2260	1380	2200	1120	120	120	1620	2360
<i>Tintinnopsis</i> spp.	80			120				
Unarmoured dinoflagellate	660	820	840	840		200	240	2880
<b>7-May-07</b>								
<i>Alexandrium fundyense</i>	20	160	20					40
<i>Alexandrium ostenfeldii</i>		20						
<i>Amphidinium carterae</i>	40	60						
<i>Amphidinium sphenoides</i>					40			
Armoured dinoflagellate	60	260	20	80			40	360
<i>Asterionella formosa</i>		20	20				60	
<i>Asterionellopsis glacialis</i>						40		
<i>Chaetoceros constrictus</i>	40							960
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>							20	200
<i>Chaetoceros debilis</i>	40		100	160	120			160
<i>Chaetoceros decipiens</i>					80			
<i>Chaetoceros similis</i>	20	40						
<i>Chaetoceros socialis</i>		40	200		320			40
<i>Chaetoceros</i> spp. (Hyalochaete)	140	200	720	120	120	160	160	3640
<i>Chaetoceros teres</i>								200
<i>Commation cryoporinum</i>	20		20	80				
<i>Coscinodiscus</i> spp.				80				
<i>Cylindrotheca closterium</i>	100	60	60	40				40
<i>Dactyliosolen fragilissimus</i>						40		
<i>Dictyocha speculum</i>	60	80	120					40
<i>Dinobryon</i> spp.			20				260	
<i>Dinophysis norvegica</i>					40			
<i>Dissodinium pseudolunula</i>							60	
<i>Eutreptiella</i> sp.	20	20		120				720
<i>Grammatophora marina</i>	60							
<i>Guinardia delicatula</i>						40		
<i>Gyrodinium</i> spp.	60	40	40	40	40	40		360
<i>Gyrosigma balticum</i>	20							
<i>Gyrosigma fasciola</i>						40		
<i>Heterocapsa triquetra</i>	20	60	40					
<i>Laboea</i> sp.	20	20						120
<i>Leptocylindrus minimus</i>	20		40	40				40
<i>Licmophora</i> spp.	20	20						
<i>Membraneis challengeri</i>					40			
<i>Mesodinium rubrum</i>	660	3800	6520	1320	120	160	80	2000
<i>Navicula distans</i>	20	20					20	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				40	160	40		
<i>Notholca</i> spp.			20					
<i>Paralia sulcata</i>					40			
Pennate diatom	60	240	40	80	240		480	80
<i>Peridinium limbatum</i>				40				

<b>7-May-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Porosira glacialis</i>	20	160	140	80				200
<i>Preperidinium meureri</i>	20		200					
<i>Prorocentrum minimum</i>				80	40			120
<i>Protoperidinium</i> spp.								80
<i>Pseudo-nitzschia delicatissima</i>				120				
<i>Pseudo-nitzschia delicatissima</i> group	40	20	40		40			160
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	60				40	360		
<i>Rhizosolenia</i> spp.		20						
<i>Scrippsiella trochoidea</i>	20							
<i>Skeletonema costatum</i>		20	20				40	40
<i>Thalassionema nitzschioides</i>				40	40	40		
<i>Thalassiosira anguste-lineata</i>					40			
<i>Thalassiosira gravida</i>			20			80	20	
<i>Thalassiosira nordenskiöldii</i>						40		1000
<i>Thalassiosira punctigera</i>			20			40		
<i>Thalassiosira</i> spp.	180	240	80	240	400	280	140	1320
Tintinnida	1100	6960	40	640	40	40	20	1720
<i>Tintinnopsis</i> spp.								80
Unarmoured dinoflagellate	60	80	40	160		40	20	1720
<b>14-May-07</b>								
<i>Alexandrium fundyense</i>	120	120	20	96		80	288	
<i>Alexandrium fundyense</i> (duplet)	20	20					144	
<i>Alexandrium ostenfeldii</i>	60		20					
<i>Alexandrium pseudogonyaulax</i>		20						
<i>Amphidinium sphenoides</i>	40							
Armoured dinoflagellate	300	280	360					578
<i>Asterionella formosa</i>			40					
<i>Brachionus</i> spp.		20						
Centric diatom	40							
<i>Ceratium longipes</i>	20							
<i>Chaetoceros constrictus</i>	120						864	
<i>Chaetoceros contortus</i>							144	289
<i>Chaetoceros convolutus</i>		20						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>			40				288	
<i>Chaetoceros debilis</i>	120	80	140	2208	80		1440	12427
<i>Chaetoceros decipiens</i>	20	20	40					
<i>Chaetoceros diadema</i>	20			768			144	
<i>Chaetoceros furcellatus</i>							144	
<i>Chaetoceros laciniosus</i>							144	2023
<i>Chaetoceros radicans</i>	40							289
<i>Chaetoceros similis</i>	20		40				432	1156
<i>Chaetoceros socialis</i>	60		20				1872	289
<i>Chaetoceros</i> spp. (Hyalochaete)	380	120	720	12768	1280	40	14688	156060
<i>Chaetoceros teres</i>	40			96				867
<i>Commation cryoporinum</i>	20		20	96				
<i>Coscinodiscus</i> spp.			20	96		40		
<i>Cylindrotheca closterium</i>	60	60	180	768	280	80		
<i>Dictyocha speculum</i>	120	100	260	96				
<i>Dinophysis acuminata</i>			20					

<b>14-May-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Dinophysis acuta</i>	20							
<i>Dinophysis norvegica</i>		20						
<i>Eutreptiella</i> sp.	40	340	160	192		40		
<i>Gyrodinium</i> spp.	420	140	40	288	40	80		
<i>Gyrosigma fasciola</i>	20							
<i>Heterocapsa triquetra</i>	100	300	140					867
<i>Laboea</i> sp.	60	60	120				144	578
<i>Leptocylindrus minimus</i>		40	100				144	
<i>Licmophora</i> spp.	20				40			
<i>Mediopyxis helysia</i>						40		
<i>Mesodinium rubrum</i>	1100	1720	6240	384	160	200	3600	5202
<i>Navicula distans</i>	40		20			120	144	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			20	384	240			
<i>Odontella aurita</i>	20			96				
<i>Paralia sulcata</i>						40		
Pennate diatom	100	80	140		280	200	720	1156
<i>Porosira glacialis</i>	60		60				144	289
<i>Preperidinium meuneri</i>			200					
<i>Prorocentrum minimum</i>	200	20	200		40			578
<i>Protoperidinium depressum</i>		20						
<i>Protoperidinium</i> spp.	60	40						289
<i>Pseudo-nitzschia delicatissima</i> group		640	60	96			432	1445
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	20		20		120	40		578
<i>Scrippsiella trochoidea</i>		20						
<i>Skeletonema costatum</i>	20		40	96				
<i>Thalassionema nitzschioides</i>					120			
<i>Thalassiosira anguste-lineata</i>								578
<i>Thalassiosira baltica</i>						40		
<i>Thalassiosira gravida</i>						80		
<i>Thalassiosira nordenskiöldii</i>	380	20	20		80		5904	45662
<i>Thalassiosira</i> spp.	540	340	420	16896	2240	240	14544	43061
Tintinnida	1900	12960	1340		40	40	1872	4335
Unarmoured dinoflagellate	600	580	440	96				867
<b>22-May-07</b>								
<i>Alexandrium fundyense</i>	120		120	720		40		160
<i>Alexandrium fundyense</i> (duplet)			40					
<i>Alexandrium ostenfeldii</i>			40					
<i>Amphidinium sphenoides</i>					80			
Armoured dinoflagellate	240	60	1000	576				480
<i>Attheya longicornis</i>								320
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	80	140	240					
<i>Chaetoceros debilis</i>	760	80	760	1728	480	80	4176	6160
<i>Chaetoceros decipiens</i>							144	80
<i>Chaetoceros diadema</i>			120	720	560	280	288	240
<i>Chaetoceros filiformis</i>		40						
<i>Chaetoceros furcellatus</i>			440	1008	320	80		320
<i>Chaetoceros similis</i>			80				288	80
<i>Chaetoceros socialis</i>	240			288	80			
<i>Chaetoceros</i> spp. (Hyalochaete)	2320	820	3480	11808	1720	440	15408	29600

<b>22-May-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Chaetoceros teres</i>	80	20	40				288	80
<i>Commatia cryoporinum</i>	40	40			80			
<i>Coscinodiscus</i> spp.		20						
<i>Cylindrotheca closterium</i>	280	140	80		360	80		400
<i>Detonula confervacea</i>					40			
<i>Dictyocha speculum</i>	40	60	80	144				240
<i>Dinophysis norvegica</i>								80
<i>Eutreptiella</i> sp.	200	900	2600	3744	120			3920
<i>Gyrodinium</i> spp.	160	120	80	288	120			80
<i>Gyrosigma fasciola</i>	40							
<i>Heterocapsa triquetra</i>		20	160	1584				
<i>Laboea</i> sp.			240					80
<i>Leptocylindrus minimus</i>			80	144			288	560
<i>Licmophora</i> spp.	40		80					
<i>Membraneis challengeri</i>		20	40					
<i>Mesodinium rubrum</i>	1840	1220	2320	4032			576	4080
<i>Navicula distans</i>	80	80	40		40			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>						80		
Pennate diatom	120	120	120		480	40	720	320
<i>Porosira glacialis</i>	80		80	144				240
<i>Preperidinium meuneri</i>			80					
<i>Prorocentrum minimum</i>	160	120	920	864				400
<i>Prorocentrum</i> sp. (small)			40		40			
<i>Protoberidinium depressum</i>			40					80
<i>Protoberidinium</i> spp.	40		40					
<i>Pseudo-nitzschia delicatissima</i> group		140	280	576			144	720
<i>Scrippsiella trochoidea</i>			40					
<i>Skeletonema costatum</i>	40	200	40		40		144	240
<i>Tabellaria</i> spp.								80
<i>Thalassiosira anguste-lineata</i>					40		144	
<i>Thalassiosira gravida</i>	40							
<i>Thalassiosira nordenskiöldii</i>	760	80	880	2448	760		11520	6400
<i>Thalassiosira punctigera</i>	80				40	40		
<i>Thalassiosira</i> sp. (tiny)								160
<i>Thalassiosira</i> spp.	2520	1080	3240	10080	5600	1160	17568	9520
Tintinnida	1960	1060	3440	6480	160	40	1872	2640
<i>Tintinnopsis</i> spp.					40			
Unarmoured dinoflagellate	120	120	80	144	40			240
<b>29-May-07</b>								
<i>Alexandrium fundyense</i>		288	40	578				576
<i>Alexandrium fundyense</i> (duplet)								144
<i>Alexandrium ostenfeldii</i>				289				
<i>Amphidinium sphenoides</i>			578				578	144
<i>Apedinella radians</i>		288		289				
Armoured dinoflagellate	720	432	1156	867	288		578	2448
<i>Attheya longicornis</i>		864						
<i>Brachionus</i> spp.	144							
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		432	289				289	
<i>Chaetoceros debilis</i>	4752	7200	16762	15317	1296	240	12427	720

<b>29-May-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Chaetoceros diadema</i>					144		289	
<i>Chaetoceros furcellatus</i>	3744	288	2312	2023	13392	1720	5202	1152
<i>Chaetoceros similis</i>		144			144		289	
<i>Chaetoceros socialis</i>		864		867	144		289	
<i>Chaetoceros</i> spp. (Hyalochaete)	19296	23472	47974	43061	2592	560	92480	101439
<i>Chaetoceros teres</i>	144	144	289		144		1734	144
<i>Commation cryoporinum</i>	144				432			288
<i>Cylindrotheca closterium</i>	864	288	1445	578	576	80	289	
<i>Dactyliosolen fragilissimus</i>		144						144
<i>Dictyocha speculum</i>		144	578	578				
<i>Dinophysis norvegica</i>				289				
<i>Eutreptiella</i> sp.	864	2016	2890	5202	1296			144
<i>Guinardia flaccida</i>				289				
<i>Gyrodinium</i> spp.	432	720		867				
<i>Heterocapsa triquetra</i>		576	289	578				288
<i>Laboea</i> sp.	144			578				576
<i>Lennoxia faveolata</i>		144						
<i>Leptocylindrus minimus</i>		1008	578				289	288
<i>Licmophora</i> spp.								144
<i>Mediopyxis helysia</i>					288			
<i>Mesodinium rubrum</i>	1584	2016	5780	1156	576	40	2312	4896
<i>Navicula distans</i>							289	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					144	40		
<i>Odontella aurita</i>	144				144			
Pennate diatom		432		289	144	80	289	
<i>Porosira glacialis</i>		432				40	578	
<i>Prorocentrum minimum</i>		1584	2601	1734				1008
<i>Prorocentrum</i> sp. (small)			289					
<i>Protoperdinium</i> spp.				289				
<i>Pseudo-nitzschia delicatissima</i>		2304						
<i>Pseudo-nitzschia delicatissima</i> group	288		1156	578	288		867	2016
<i>Pterosperma vanhoeffenii</i>	144							
<i>Skeletonema costatum</i>	576	720	2312	289				
<i>Thalassiosira gravida</i>							289	
<i>Thalassiosira nordenskiöldii</i>	15264	4032	15317	32079	6912	120	39593	1440
<i>Thalassiosira punctigera</i>						40	289	
<i>Thalassiosira</i> sp. (tiny)	288	144						
<i>Thalassiosira</i> spp.	29952	14112	20230	46529	24768	3080	58378	1008
Tintinnida	1728	1872	289	2312	720	40	578	864
<i>Tintinnopsis</i> spp.							578	
Unarmoured dinoflagellate	288	144	867				867	432
<b>7-Jun-07</b>								
<i>Acanthostomella norvegica</i>					96			
<i>Actinoptychus senarius</i>						40		
<i>Alexandrium fundyense</i>	400	432	240		96	40	288	
<i>Alexandrium fundyense</i> (duplet)			40					
<i>Amphidinium sphenoides</i>	40	288		289		40		432
<i>Apedinella radians</i>			320					
Armoured dinoflagellate	840	1008	600	1156	192		864	1584

7-Jun-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Asterionellopsis glacialis</i>	40		80					
<i>Attheya longicornis</i>	480							432
<i>Aulacoseira ambigua</i>							144	
<i>Calliacantha</i> sp.	40							144
<i>Ceratium longipes</i>	40							288
<i>Ceratium</i> spp.			40					
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	200	576	560				144	
<i>Chaetoceros debilis</i>	2920	3744	2240	2023	4320	760	9648	5184
<i>Chaetoceros decipiens</i>	40							
<i>Chaetoceros filiformis</i>			80					
<i>Chaetoceros furcellatus</i>	840	3888	760	1156	1344	1840	3168	576
<i>Chaetoceros laciniosus</i>	80							
<i>Chaetoceros similis</i>	40						1296	
<i>Chaetoceros simplex</i>		288						
<i>Chaetoceros socialis</i>	1400	1440		2890				
<i>Chaetoceros</i> spp. (Hyalochaete)	2320	8208	7280	9826	1920	360	6912	29952
<i>Chaetoceros teres</i>	40		40		96		144	576
<i>Commation cryoporinum</i>		144	160		96			
<i>Coscinodiscus</i> spp.			40			40		
<i>Cylindrotheca closterium</i>	440	576	800	578	1152	400	864	432
<i>Dactyliosolen fragilissimus</i>				578			288	
<i>Dictyocha speculum</i>	80							144
<i>Dinophysis acuminata</i>	40							
<i>Ebria tripartita</i>			40					
<i>Eucampia groenlandica</i>	40	144	80					144
<i>Eucampia zodiacus</i>		288	80	578				
<i>Eutreptiella</i> sp.	760	1152	800	1734	96		144	2304
<i>Guinardia delicatula</i>				289		40		
<i>Gymnodinium</i> spp.				1734				
<i>Gyrodinium</i> spp.	760	2448	1160			40		432
<i>Helicostomella</i> spp.								144
<i>Heterocapsa triquetra</i>	680	720	240	578			288	864
<i>Laboea</i> sp.	160		200					
<i>Lennoxia faveolata</i>							144	
<i>Leptocylindrus minimus</i>	560	144	280	289		40	1296	864
<i>Licmophora</i> spp.	40							
<i>Meringosphaera mediterranea</i>	40							
<i>Mesodinium rubrum</i>	4560	2736	1840	1734	96	200	720	1728
<i>Navicula distans</i>	40				96		144	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			40			80		
Pennate diatom	400	1008		578	96	160	1008	576
<i>Phaeocystis pouchetii</i>							144	
<i>Porosira glacialis</i>	80						144	
<i>Prorocentrum minimum</i>	960	1152	560	2312	192	80	144	2160
<i>Prorocentrum</i> sp. (small)					96			
<i>Protoperidinium bipes</i>			80					144
<i>Protoperidinium conicum</i>								144
<i>Protoperidinium depressum</i>	40							
<i>Protoperidinium</i> spp.	40	576						



<b>7-Jun-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia delicatissima</i>	1040		1640	867	288			
<i>Pseudo-nitzschia delicatissima</i> group		1872				160	3744	1296
<i>Scrippsiella trochoidea</i>	200							144
<i>Skeletonema costatum</i>	440	1584	680		288	80		144
<i>Stephanopyxis turris</i>		144						
<i>Thalassiosira anguste-lineata</i>					96			
<i>Thalassiosira baltica</i>			40					
<i>Thalassiosira bioculata</i>			40					
<i>Thalassiosira nordenskiöldii</i>	2560	5472	1760	31790	2688	200	12384	288
<i>Thalassiosira punctigera</i>		144				40	144	
<i>Thalassiosira</i> sp. (tiny)	80					80	288	144
<i>Thalassiosira</i> spp.	3960	15840	6680	61268	23616	3240	2736	1008
Tintinnida	3760	2736	2400	6647	576	200	2160	1728
<i>Tintinnopsis</i> spp.				289			288	
Unarmoured dinoflagellate	520	2016	1600	867	768	1120	864	432
<b>12-Jun-07</b>								
<i>Alexandrium fundyense</i>	432	240	144				160	40
<i>Alexandrium fundyense</i> (duplet)		80						
<i>Alexandrium ostenfeldii</i>		120	144					
<i>Amphidinium carterae</i>		40						40
<i>Amphidinium sphenoides</i>		120	144	1445	288		80	840
<i>Apedinella radians</i>		120	720			40		80
Armoured dinoflagellate	1152	1560	3024	578	288		720	760
<i>Asterionellopsis glacialis</i>				578		40		
<i>Attheya longicornis</i>		40	1152					1360
<i>Brachionus</i> spp.	288	160	432					
<i>Calliacantha</i> sp.			144					
<i>Chaetoceros contortus</i>	288		144				40	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	288	440	720				40	200
<i>Chaetoceros debilis</i>	8064	7480	9792	18785	4464	120	4280	8840
<i>Chaetoceros decipiens</i>	144	160		578	720			40
<i>Chaetoceros filiformis</i>		160						
<i>Chaetoceros furcellatus</i>	1584	240	1728	2312	5184	2320	1160	1360
<i>Chaetoceros lacinosus</i>	144	40					120	
<i>Chaetoceros simplex</i>	432						80	
<i>Chaetoceros socialis</i>		240						
<i>Chaetoceros</i> spp. (Hyalochaete)	7200	5600	8352	8670	3744	440	5360	6440
<i>Chaetoceros teres</i>	288	160	144		288			480
<i>Chrysochromulina parkeae</i>			144					
<i>Commation cryoporinum</i>				289		40		160
Copepoda				289				
<i>Coscinodiscus</i> spp.			144			40		
<i>Cylindrotheca closterium</i>	1872	1000	1872	2023	432	320	600	760
<i>Dactyliosolen fragilissimus</i>	288	80					120	
<i>Dictyocha speculum</i>	864	480	288					120
<i>Dinobryon</i> spp.								40
<i>Eucampia groenlandica</i>	864	360					40	
<i>Eucampia zodiacus</i>			288		144			
<i>Eutreptiella</i> sp.	720	200	432				200	640



19-Jun-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Amphidinium carterae</i>		80						80
<i>Amphidinium sphenoides</i>	200	80	80	289	578		400	
<i>Apedinella radians</i>	160	280	360	578				
Armoured dinoflagellate	1080	960	640	578	289		1120	1880
<i>Asterionellopsis glacialis</i>	80	200		867	1156			
<i>Attheya longicornis</i>		320						40
<i>Brachionus</i> spp.				289				
<i>Ceratium lineatum</i>	80							
<i>Ceratium macroceros</i>	40							
<i>Chaetoceros contortus</i>	80	40	40		289		80	440
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	760	480	240				800	240
<i>Chaetoceros danicus</i>							80	
<i>Chaetoceros debilis</i>	5640	1880	1880	9827	7803	432	1360	2680
<i>Chaetoceros decipiens</i>	40	40	40		289	144	80	80
<i>Chaetoceros diadema</i>					578			
<i>Chaetoceros filiformis</i>	80	120	120					
<i>Chaetoceros furcellatus</i>	200	160	120	867	578	1584	240	
<i>Chaetoceros laciniosus</i>	320	120	280				80	
<i>Chaetoceros radicans</i>		40			289	864		
<i>Chaetoceros similis</i>	120	40					320	40
<i>Chaetoceros socialis</i>							400	
<i>Chaetoceros</i> spp. (Hyalochaete)	1120	1560	2040	13006	7803	1872	560	720
<i>Chaetoceros</i> spp. (Phaeoceros)								80
<i>Chaetoceros teres</i>	160		40		289			80
<i>Commation cryoporinum</i>							160	80
Copepoda	40						80	80
<i>Corethron hystrix</i>		40						
<i>Coscinodiscus</i> spp.	40							
<i>Cylindrotheca closterium</i>	2640	960	800	2023	5780	2592	2720	560
<i>Dactyliosolen fragilissimus</i>	160	200	200				80	360
<i>Dictyocha speculum</i>	280	640	920	1734			160	120
<i>Dinophysis norvegica</i>		40						
<i>Dinophysis</i> spp.								40
<i>Ebria tripartita</i>								40
<i>Eucampia groenlandica</i>	320	240	440				80	80
<i>Eucampia zodiacus</i>	80			1734	1445			40
<i>Eutreptiella</i> sp.	280	40	80	1734			240	560
<i>Guinardia delicatula</i>	720	440	1520	867	289	288	240	600
<i>Gymnodinium</i> spp.					289			
<i>Gyrodinium</i> spp.	280	1200	1800	2312		144	240	800
<i>Helicostomella</i> spp.								1160
<i>Heterocapsa triquetra</i>	600	920	480	578	578		320	720
<i>Laboea</i> sp.	80			578				160
<i>Lauderia annulata</i>			40					
<i>Leptocylindrus danicus</i>	800	360	640	289			720	1960
<i>Leptocylindrus minimus</i>	3000	2560	2000	10405	1734	288	18880	75140
<i>Licmophora</i> spp.			40					
<i>Mesodinium rubrum</i>	2000	1240	2040	2890	867	144	2320	2280
<i>Navicula distans</i>		40						

19-Jun-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>						288		
<i>Notholca</i> spp.							80	
Pennate diatom	320		40		1156		640	
<i>Porosira glacialis</i>	320		80			144	160	40
<i>Preperidinium meuneri</i>			120					
<i>Prorocentrum minimum</i>	640	960	640	1156	1156		1120	1080
<i>Prorocentrum</i> sp. (small)			160					40
<i>Protoperidinium bipes</i>	80	40	240	289			80	480
<i>Protoperidinium brevipes</i>		40	40					80
<i>Protoperidinium denticulatum</i>		80						
<i>Protoperidinium depressum</i>								80
<i>Protoperidinium ovatum</i>								80
<i>Protoperidinium</i> spp.	40	40	160	867			160	240
<i>Pseudo-nitzschia delicatissima</i>	4480	3600	5640		4335	1296	6640	3120
<i>Pseudo-nitzschia delicatissima</i> group				6647				
<i>Pseudo-nitzschia pseudodelicatissima</i>					578			
<i>Pseudo-nitzschia seriata</i>				578	1156			
<i>Pseudo-nitzschia seriata</i> group	440	320	520	1445		144	80	
<i>Ptychocylis</i> spp.					289			
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>						144		
<i>Scrippsiella</i> sp.	80	40					80	
<i>Scrippsiella trochoidea</i>	160		120	289				
<i>Skeletonema costatum</i>	440	240	160			144	240	40
<i>Stephanopyxis turris</i>								40
<i>Thalassiosira anguste-lineata</i>	40	40	80				80	40
<i>Thalassiosira baltica</i>	40							
<i>Thalassiosira gravida</i>	160							40
<i>Thalassiosira nordenskiöldii</i>	640	920	840	23699	21386	4896	240	
<i>Thalassiosira</i> spp.	3440	1480	1320	75723	63869	25056	2160	160
Tintinnida	200	120	360	1156	578	144	1360	360
<i>Tintinnopsis</i> spp.						432		
Unarmoured dinoflagellate	1280	600	840	2023	3757	1008	560	800
<b>26-Jun-07</b>								
<i>Alexandrium fundyense</i>	206	800	1240	1445	289			144
<i>Alexandrium ostenfeldii</i>						144		
<i>Amphidinium sphenoides</i>	721		280	867	289	2304		
<i>Apedinella radians</i>	1648	2960	1280	867	289		144	144
Armoured dinoflagellate	2266	3760	1680	4046	289	144	720	1152
<i>Asterionellopsis glacialis</i>	206	160			2312			
<i>Attheya longicornis</i>	515		280					288
<i>Brachionus</i> spp.	103							
<i>Ceratium horridum</i>				289				
<i>Ceratium longipes</i>				289				
<i>Ceratium macroceros</i>								144
<i>Ceratium</i> spp.						144		
<i>Chaetoceros contortus</i>		80	160		1445	144		720
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	618		240				720	144
<i>Chaetoceros debilis</i>	5562		1480	2023	2601	2880	3168	3456
<i>Chaetoceros decipiens</i>	103		160	867	289	432		

26-Jun-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros diadema</i>			80			144		
<i>Chaetoceros filiformis</i>	206		160					288
<i>Chaetoceros furcellatus</i>	206		160		867	1728	288	
<i>Chaetoceros laciniosus</i>	721	80	600	867			432	
<i>Chaetoceros pseudobrevis</i>						144		
<i>Chaetoceros radicans</i>			40			1872	432	
<i>Chaetoceros similis</i>	103		40				288	288
<i>Chaetoceros socialis</i>	103	160			1445			
<i>Chaetoceros</i> spp. (Hyalochaete)	1751	560	1960	10115	10693	4032	144	720
<i>Chaetoceros teres</i>	103			289			144	
<i>Commation cryoporinum</i>		80				288		
Copepoda		160	40		289			
<i>Coscinodiscus</i> spp.						144		144
<i>Cylindrotheca closterium</i>	7107	80	880	867	4335	6768	5472	2304
<i>Dactyliosolen fragilissimus</i>	309	160	160	289	289			864
<i>Detonula confervacea</i>						144		
<i>Dictyocha speculum</i>	412	720	360				144	
<i>Dinophysis norvegica</i>								144
<i>Ebria tripartita</i>		80	160	1156			576	4896
<i>Eucampia groenlandica</i>	1648	1200	1520				432	720
<i>Eucampia zodiacus</i>	412	80		1445		432		144
<i>Eutreptiella</i> sp.	618	3760	2360	2023		144		1152
<i>Guinardia delicatula</i>	3193	3600	3440	1734	2312	288	288	2736
<i>Gyrodinium</i> spp.	309	720	720	1445	867	432	144	1008
<i>Helicostomella</i> spp.			40	289				1872
<i>Heterocapsa triquetra</i>	1339	2480	2400	1734	289		720	1872
<i>Laboea</i> sp.				289	289			
<i>Lennoxia faveolata</i>							144	
<i>Leptocylindrus danicus</i>	1236	240	1080	3179	5491	144	1872	2592
<i>Leptocylindrus minimus</i>	13802	29280	37120	114444	77163	16272	104618	223108
<i>Licmophora</i> spp.		80						
<i>Mediopyxis helysia</i>						144		
<i>Membraneis challengerii</i>			40			144		
<i>Mesodinium rubrum</i>	2369	1680	1480	13583	578	288	2448	10944
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>						144		
Pennate diatom	412		80			432		
<i>Porosira glacialis</i>	309		120			576		
<i>Prorocentrum minimum</i>	1236	2880	400	1445	867	144	288	720
<i>Prorocentrum</i> sp. (small)	103	80	120			576		
<i>Protoperidinium bipes</i>		160	320				144	864
<i>Protoperidinium brevipes</i>								432
<i>Protoperidinium conicum</i>				289				
<i>Protoperidinium</i> spp.	103	160						432
<i>Protoperidinium steinii</i>			200					
<i>Pseudo-nitzschia delicatissima</i>		2400	4280	2312	1734	4464	5616	1872
<i>Pseudo-nitzschia delicatissima</i> group	6077							
<i>Pseudo-nitzschia fraudulentula</i>			1360			144		
<i>Pseudo-nitzschia pseudodelicatissima</i>						864		
<i>Pseudo-nitzschia pungens</i>	2472	2080	960				432	

<b>26-Jun-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia seriata</i>	1648							
<i>Pseudo-nitzschia seriata</i> group		960		8092	8092			
<i>Scrippsiella</i> sp.								144
<i>Scrippsiella trochoidea</i>			40	289				144
<i>Skeletonema costatum</i>			40				144	
<i>Stephanopyxis turris</i>	206			289				
<i>Thalassionema nitzschioides</i>	103							
<i>Thalassiosira anguste-lineata</i>		80						
<i>Thalassiosira gravida</i>					578	144		
<i>Thalassiosira nordenskiöldii</i>				289		1008		
<i>Thalassiosira</i> spp.	1545	320	840	4624	19074	11376	432	432
Tintinnida	618	1360	560	2312	289	1008	1296	2160
<i>Tintinnopsis</i> spp.					289			
Unarmoured dinoflagellate	824	880	1240	1734	289	864		1584
<b>3-Jul-07</b>								
<i>Alexandrium fundyense</i>	144	7344	1000	6647				720
<i>Alexandrium fundyense</i> (cyst)			40					
<i>Alexandrium fundyense</i> (planozygote)				289				
<i>Amphidinium sphenoides</i>	144	144		578	1156	2312	1152	144
<i>Apedinella radians</i>	1152	864	320		578		288	1584
Armoured dinoflagellate	1008	20448	1680	6647	289	289	1008	4032
<i>Asterionellopsis glacialis</i>	144					1445		
<i>Chaetoceros contortus</i>	1008			289	289	1156	432	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	432	288	40				288	432
<i>Chaetoceros debilis</i>	2304		40		578		288	
<i>Chaetoceros filiformis</i>	288							
<i>Chaetoceros furcellatus</i>					289	578		
<i>Chaetoceros lacinosus</i>	144	144	40					
<i>Chaetoceros radicans</i>	2304		40		578	1734		
<i>Chaetoceros similis</i>			40					
<i>Chaetoceros</i> spp. (Hyalochaete)	2016	288	200	4335	867	12427	144	144
<i>Commation cryoporinum</i>					289			144
Copepoda			40					
<i>Corethron hystrix</i>								144
<i>Coscinodiscus</i> spp.							288	
<i>Cylindrotheca closterium</i>	3168		120		3757	2023	5328	1872
<i>Dactyliosolen fragilissimus</i>	576				1445	289	1584	576
<i>Dictyocha speculum</i>	144	288	120				144	1728
<i>Dinophysis acuminata</i>			120					144
<i>Dinophysis norvegica</i>			80					
<i>Dinophysis</i> spp.			40					
<i>Ebria tripartita</i>	3024	2880	4280	1734	4046	289	3312	28368
<i>Eucampia groenlandica</i>	1728	1008	240				1296	1584
<i>Eucampia zodiacus</i>			40		1156			
<i>Eutreptiella</i> sp.	4032	10944	880	4913			1152	2592
<i>Gonyaulax digitale</i>		144						
<i>Guinardia delicatula</i>	11664	4032	2520	3757	2312	3179	6336	5760
<i>Gymnodinium</i> spp.					867			
<i>Gyrodinium</i> spp.	144		400	289		289		576

<b>3-Jul-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Helicostomella</i> spp.			120					144
<i>Heterocapsa triquetra</i>	144	2304	5760	6069				3744
<i>Laboea</i> sp.	144		40	867	289		144	
<i>Leptocylindrus danicus</i>	4608	576	120	578	867	1734	1584	576
<i>Leptocylindrus minimus</i>	131206	131206	163574	947298	312698	95370	113866	256054
<i>Licmophora</i> spp.	144							
<i>Mediopyxis helysia</i>					289			
<i>Membraneis challengeri</i>	144		40	289		867		
<i>Mesodinium rubrum</i>	1008	144	1040	4624	1156	1156	5904	2448
<i>Navicula distans</i>					289			
<i>Parafavella</i> spp.				289	578			
Pennate diatom						289	144	144
<i>Porosira glacialis</i>	288			289	289			144
<i>Prorocentrum minimum</i>	864	1584	760	1445	289	578	144	2304
<i>Prorocentrum</i> sp. (small)		288	120					432
<i>Protoperidinium bipes</i>	720	576	400	1156	578		1584	3312
<i>Protoperidinium brevipes</i>			200	578				
<i>Protoperidinium depressum</i>	144			289				
<i>Protoperidinium</i> spp.			920	289				864
<i>Pseudo-nitzschia delicatissima</i>	1728				578	2890		288
<i>Pseudo-nitzschia delicatissima</i> group							1584	
<i>Pseudo-nitzschia pungens</i>	12096	1008	560				144	576
<i>Pseudo-nitzschia seriata</i>	288	2304	40	2312	5780	2601	432	144
<i>Pseudo-nitzschia seriata</i> group			160	2312		4335		432
<i>Pseudo-nitzschia subpacific</i>	7200							
<i>Ptychocylis</i> spp.			40					
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	144					289		
<i>Scrippsiella</i> sp.		4320	280	1156				720
<i>Scrippsiella trochoidea</i>		1872	120	2312				
<i>Stephanopyxis turris</i>					289			
<i>Thalassiosira baltica</i>			40			289		
<i>Thalassiosira gravida</i>	144							
<i>Thalassiosira punctigera</i>						289		
<i>Thalassiosira</i> spp.	1152	144	40	1445	3468	8381	288	
Tintinnida	720	2160	1920	7225	3757	578	1152	1152
<i>Tintinnopsis</i> spp.						578		
Unarmoured dinoflagellate	1008	144	400	2023	289	289	432	1152
<b>10-Jul-07</b>								
<i>Alexandrium fundyense</i>	1152	2304	10368	1734	289			288
<i>Amphidinium carterae</i>					289			
<i>Amphidinium sphenoides</i>	720	578		578	289	200	280	
<i>Apedinella radians</i>	864	1156	576	3757			40	1152
Armoured dinoflagellate	5760	8381	4464	5780	867	200	840	2448
<i>Brachionus</i> spp.								144
<i>Ceratium longipes</i>							40	
<i>Chaetoceros contortus</i>						40		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		578	144				80	
<i>Chaetoceros debilis</i>	144							
<i>Chaetoceros socialis</i>				4046			680	





<b>10-Jul-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassiosira</i> spp.	144	289	144			120	120	144
Tintinnida	7488	7514	3024	11271	2023	200	960	6192
<i>Tintinnopsis</i> spp.						120		
Unarmoured dinoflagellate	1872	3757	7920	2023	289	120	1960	2016
<b>17-Jul-07</b>								
<i>Alexandrium fundyense</i>	11232	17280	22464	5040	280	120		280
<i>Alexandrium fundyense</i> (cyst)				288		40		
<i>Alexandrium fundyense</i> (duplet)	144	288						
<i>Alexandrium fundyense</i> (triplet)	144							
<i>Amphidinium carterae</i>					40			
<i>Amphidinium sphenoides</i>	288	144	144	144	160	40	144	120
<i>Apedinella radians</i>								40
Armoured dinoflagellate	7200	6192	11088	2736	440	40		1360
<i>Asterionellopsis glacialis</i>					40			
<i>Ceratium longipes</i>								40
<i>Chaetoceros furcellatus</i>	144					80		
<i>Chaetoceros socialis</i>				4176				
<i>Chaetoceros</i> spp. (Hyalochaete)		864	144	1008	160			
<i>Chaetoceros teres</i>							144	
<i>Commation cryoporinum</i>					160			40
Copepoda						40		
<i>Coscinodiscus</i> spp.					40	80		
<i>Cylindrotheca closterium</i>	1296	864	1152	1296	1560	1200	2016	320
<i>Dictyocha speculum</i>	144			288	40		864	320
<i>Dinophysis acuminata</i>	576	432	432	1296				80
<i>Dinophysis norvegica</i>		144	144	288				200
<i>Ebria tripartita</i>		1296	1008	1296	520	40	288	320
<i>Eucampia groenlandica</i>					40			
<i>Eutreptiella</i> sp.	7344	34560	14544	30384	3080		1008	840
<i>Gonyaulax spinifera</i>			288					
<i>Guinardia delicatula</i>	4032	144		144	240	240	150858	15120
<i>Gyrodinium</i> spp.	288	1584	720	720	480	240	144	480
<i>Helicostomella</i> spp.	288	288		432				480
<i>Heterocapsa triquetra</i>	3744	76296	59184	26352	2280			1560
<i>Laboea</i> sp.					80			
<i>Leptocylindrus danicus</i>							144	
<i>Leptocylindrus minimus</i>					80	80	288	40
<i>Mediopyxis helysia</i>					40			
<i>Membraneis challengeri</i>							144	
<i>Mesodinium rubrum</i>	1008	4752	2304	2448	520		2160	1800
<i>Micracanthodinium claytonii</i>				432				
<i>Navicula distans</i>					40	80		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					80			
<i>Parafavella</i> spp.				144				
<i>Paralia sulcata</i>								40
Pennate diatom		144	144					
<i>Prorocentrum minimum</i>	1728	3024	2880	1440	600		288	80
<i>Prorocentrum</i> sp. (small)		288	288	288	40			
<i>Protoperidinium bipes</i>	720	288	288	576	200		432	80

<b>17-Jul-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Protoperidinium brevipes</i>				432				
<i>Protoperidinium conicum</i>					120			
<i>Protoperidinium depressum</i>	144				40			40
<i>Protoperidinium</i> spp.	576	432		288	400	80		360
<i>Protoperidinium steinii</i>			288					
<i>Pseudo-nitzschia delicatissima</i> group					40			
<i>Pseudo-nitzschia pseudodelicatissima</i>							144	
<i>Pseudo-nitzschia seriata</i> group							144	
<i>Scrippsiella</i> sp.	2016				80			
<i>Scrippsiella trochoidea</i>	6480	10800	23616	8784	320			360
<i>Skeletonema costatum</i>						120		
<i>Thalassiosira anguste-lineata</i>					40			
<i>Thalassiosira baltica</i>	144					40		
<i>Thalassiosira</i> spp.	144						144	40
Tintinnida	1872	1584	2016	5616	640	160	1728	1720
Unarmoured dinoflagellate	1008	3888	1872	3456	440	280	576	400
<b>24-Jul-07</b>								
<i>Alexandrium fundyense</i>	150858	503438	20160	15317	160	40	6624	146234
<i>Alexandrium fundyense</i> (cyst)				2312	120			
<i>Alexandrium fundyense</i> (duplet)		1156						578
<i>Alexandrium fundyense</i> (planozygote)	1156	9826	1872	578				578
<i>Amphidinium carterae</i>		578						
<i>Amphidinium sphenoides</i>					40			
<i>Apedinella radians</i>				1156				
Armoured dinoflagellate	19074	578	4320	4046	360	160	1008	7514
<i>Cerataulina pelagica</i>							288	
<i>Ceratium longipes</i>			144					
<i>Chaetoceros filiformis</i>						40		
<i>Chaetoceros furcellatus</i>					40			
<i>Chaetoceros pseudobrevis</i>					40			
<i>Chaetoceros socialis</i>	578			66470				
<i>Chaetoceros</i> spp. (Hyalochaete)					40	80		
<i>Commation cryoporinum</i>					160	200		
<i>Coscinodiscus</i> spp.						40		
<i>Cylindrotheca closterium</i>	1156		576	6936	2000	360	864	
<i>Dictyocha speculum</i>		578			40	40	3600	6936
<i>Dinobryon</i> spp.			3456					
<i>Dinophysis acuminata</i>	2890	2312		5202				
<i>Dinophysis norvegica</i>	1734	578	144				288	
<i>Dinophysis pulchella</i>								578
<i>Dinophysis</i> spp.	578	578						578
<i>Ebria tripartita</i>	578							1734
<i>Eutreptiella</i> sp.	66470	12716	156638	189006	680	40	288	13872
<i>Gonyaulax digitale</i>		1156	432					
<i>Gonyaulax spinifera</i>	1156	4046	432				432	4046
<i>Guinardia delicatula</i>	2890		144		200	760	44217	38148
<i>Gyrodinium</i> spp.	2890	1156	1584	1734	400	40	1008	
<i>Helicostomella</i> spp.	1734	3468	144				432	
<i>Heterocapsa triquetra</i>	82076	56644	720	121380	120	40	2160	2890

<b>24-Jul-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Leptocylindrus minimus</i>						40	144	
<i>Mediopyxis helysia</i>						40		
<i>Mesodinium rubrum</i>	12716	578	144	11560	40	40	6048	3468
<i>Navicula distans</i>					80			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					80			
<i>Prorocentrum minimum</i>	4046		8496	578	200		144	2890
<i>Prorocentrum</i> sp. (small)		578	7056					
<i>Protoberidinium bipes</i>								578
<i>Protoberidinium brevipes</i>	578		432			80		
<i>Protoberidinium conicum</i>	578			578				
<i>Protoberidinium ovatum</i>	578					40		
<i>Protoberidinium</i> spp.	1156	1156		578		80		
<i>Scrippsiella</i> sp.				4624				
<i>Scrippsiella trochoidea</i>	32368	63002	6336	4624	40		2160	27166
<i>Thalassionema nitzschioides</i>					40			
<i>Thalassiosira baltica</i>						120		
<i>Thalassiosira</i> spp.							288	
Tintinnida	13872		720	16762	2200	240	7344	7514
<i>Tintinnopsis</i> spp.					4080			
Unarmoured dinoflagellate	27166	24276	35136	2890	40	40	2736	11560
<b>31-Jul-07</b>								
<i>Alexandrium fundyense</i>	17568	91613	24336	1440	960	1400	280	17136
<i>Alexandrium fundyense</i> (cyst)					80	40		
<i>Alexandrium fundyense</i> (duplet)		867						
<i>Alexandrium fundyense</i> (fusing)								144
<i>Alexandrium fundyense</i> (planozygote)	1728	7225	8208	1296	760	1200		1008
<i>Alexandrium ostenfeldii</i>							40	
<i>Amphidinium carterae</i>				144	40			
<i>Amphidinium sphenoides</i>								144
<i>Amylax triacantha</i>							40	
<i>Apedinella radians</i>								144
Armoured dinoflagellate	1296	3757	4176	864	200	40	760	1728
<i>Asterionellopsis glacialis</i>						40		
<i>Cerataulina pelagica</i>							120	
<i>Ceratium horridum</i>								288
<i>Ceratium lineatum</i>		289						
<i>Ceratium longipes</i>	144	578	1440			80		288
<i>Ceratium tripos</i>	144							
<i>Chaetoceros brevis</i>						80		
<i>Chaetoceros furcellatus</i>						40		
<i>Chaetoceros socialis</i>	6912	2890	8496	5472	8560	40	240	1296
<i>Chaetoceros</i> spp. (Hyalochaete)	144		144			520	40	
<i>Commation cryoporinum</i>						120		
Copepoda					40	40	40	
<i>Corethron hystrix</i>								144
<i>Coscinodiscus</i> spp.					40			
<i>Coscinodiscus wailesii</i>							40	
<i>Cylindrotheca closterium</i>	3312	1156	576	2880	1760	760	10080	1872
<i>Cylindrotheca gracilis</i>					40			

<b>31-Jul-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Dictyocha speculum</i>			864				3840	2880
<i>Dinobryon</i> spp.	144	578	432	144	40			
<i>Dinophysis acuminata</i>	864	1156	2160	432			160	3888
<i>Dinophysis acuta</i>							40	144
<i>Dinophysis dens</i>			288					
<i>Dinophysis norvegica</i>	144		1728				80	1728
<i>Ebria tripartita</i>							160	144
<i>Eutreptiella</i> sp.	864	289	576	3456		40	7040	2016
<i>Gonyaulax spinifera</i>	1296	7225	1872					864
<i>Guinardia delicatula</i>	144				200	240	320	2880
<i>Gyrodinium</i> spp.	576	2023	432	144	160	120	1440	2448
<i>Helicostomella</i> spp.	576	289	288				320	144
<i>Heterocapsa triquetra</i>	3600	2890	5040	1152			320	8928
<i>Laboea</i> sp.							80	
<i>Leptocylindrus minimus</i>					120			
<i>Mesodinium rubrum</i>	5904	7514	2592	864	40	80	7800	44064
<i>Navicula distans</i>	144			144	80	120	40	144
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	288					40		
<i>Parafavella</i> spp.	144							
Pennate diatom				144			200	
<i>Pleurosigma angulatum</i>							40	
<i>Polykrikos</i> spp.				144	40			
<i>Prorocentrum minimum</i>	576	1445	720	144			240	720
<i>Prorocentrum</i> sp. (small)	144		1152	288				
<i>Protoperidinium bipes</i>								288
<i>Protoperidinium brevipes</i>	288							576
<i>Protoperidinium conicum</i>				144				144
<i>Protoperidinium</i> spp.				144	40	160	80	144
<i>Pseudo-nitzschia delicatissima</i> group	288				40	120		
<i>Ptychocylis</i> spp.						80		
<i>Scrippsiella</i> sp.							240	
<i>Scrippsiella trochoidea</i>	5760	33235	12240			40	160	12816
<i>Thalassionema nitzschioides</i>						40		
<i>Thalassiosira baltica</i>						80		
<i>Thalassiosira</i> spp.						40	80	
Tintinnida	5328	4335	2016	3024	680	640	2080	8928
<i>Tintinnopsis</i> spp.					40	160		
Unarmoured dinoflagellate	3888	14450	14688	864	480	480	2040	8064
<b>7-Aug-07</b>								
<i>Alexandrium fundyense</i>	9936	13005	3888		120		144	7776
<i>Alexandrium fundyense</i> (cyst)					40			
<i>Alexandrium fundyense</i> (duplet)		578						
<i>Alexandrium fundyense</i> (planozygote)	432	1156	144		80			
<i>Amylax triacantha</i>							144	288
<i>Apedinella radians</i>	144		288					
Armoured dinoflagellate	11952	8670	4176	867	520	120	4752	16848
Centric diatom						40		
<i>Cerataulina pelagica</i>							144	
<i>Ceratium longipes</i>			288			40	288	144

7-Aug-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Ceratium tripos</i>								288
<i>Chaetoceros contortus</i>	144		432		40			
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	144		144					
<i>Chaetoceros pseudobrevis</i>						400		
<i>Chaetoceros socialis</i>	29520	201722	101150	183226	39520	21120	1440	
<i>Chaetoceros</i> spp. (Hyalochaete)	432	289	864	867	280		288	1152
Copepoda					40			
<i>Coscinodiscus</i> spp.			144					
<i>Coscinodiscus wailesii</i>			432					
<i>Cylindrotheca closterium</i>	2448	2312	2736	8381	2040	2360	720	
<i>Dictyocha speculum</i>	288	289	1008	578	80		4896	10656
<i>Dinobryon</i> spp.	576					80		
<i>Dinophysis acuminata</i>	288	2601	2736				432	4032
<i>Dinophysis fortii</i>							144	720
<i>Dinophysis norvegica</i>	144	578	432	289			288	144
<i>Dinophysis rotundata</i>		289						
<i>Dinophysis</i> spp.			144					
<i>Ebria tripartita</i>							576	288
<i>Eutreptiella</i> sp.	2592	289	1440		80	40	4032	2592
<i>Gonyaulax digitale</i>		1445						
<i>Gonyaulax spinifera</i>	288	5780	288					2304
<i>Guinardia delicatula</i>	432	578	1008	289	160	280	1296	3024
<i>Gyrodinium</i> spp.	288	289	720	289	240	120	720	864
<i>Helicostomella</i> spp.		578	288					
<i>Heterocapsa triquetra</i>	576	11560	4752	289	80		9936	5040
<i>Laboea</i> sp.				289	40			
<i>Lennoxia faveolata</i>							144	
<i>Leptocylindrus mediterraneus</i>			144					
<i>Leptocylindrus minimus</i>	432	578	288	1445	40		144	
<i>Mediopyxis helysia</i>			144					
<i>Mesodinium rubrum</i>	1008	3757	5328	1156	600		11952	8208
<i>Navicula distans</i>					40			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				578	120			
Pennate diatom	144		144			80		
<i>Polykrikos</i> spp.			144	289				
<i>Preperidinium meuneri</i>			144					
<i>Prorocentrum minimum</i>	720		144	1156	160		3312	18576
<i>Prorocentrum</i> sp. (small)			288					144
<i>Protoperidinium bipes</i>			288	289				
<i>Protoperidinium brevipes</i>			288					144
<i>Protoperidinium</i> spp.		289	288				144	
<i>Pseudo-nitzschia delicatissima</i>		289						
<i>Pseudo-nitzschia delicatissima</i> group			1584	1445	240	560		
<i>Ptychocylis</i> spp.				289				
<i>Scrippsiella</i> sp.	17424	12138	1152				3600	14976
<i>Scrippsiella trochoidea</i>	3744	25721	2592				432	2736
<i>Skeletonema costatum</i>			144					
<i>Thalassionema nitzschioides</i>					80	200		
<i>Thalassiosira anguste-lineata</i>					80			

7-Aug-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira baltica</i>					40			
<i>Thalassiosira</i> spp.	144				40	40		
Tintinnida	864	4335	4896	4335	760	80	3600	26784
<i>Tintinnopsis</i> spp.					40	40		
Unarmoured dinoflagellate	864	4913	2736	867	560	240	1584	1728
<b>14-Aug-07</b>								
<i>Alexandrium fundyense</i>	288	2023	12427	867	1156			864
<i>Alexandrium fundyense</i> (duplet)			289	289				
<i>Alexandrium fundyense</i> (planozygote)		289			578			
<i>Amphidinium carterae</i>					289			
<i>Amphidinium sphenoides</i>				289				
<i>Apedinella radians</i>		289			1445		40	
Armoured dinoflagellate	5184	8670	27744	3757	1734	432	160	9360
<i>Asterionellopsis glacialis</i>				289	289	432		
<i>Brachionus</i> spp.			867					
<i>Cerataulina pelagica</i>	576	289	289		289		1160	4032
<i>Ceratium horridum</i>								288
<i>Ceratium lineatum</i>			289					
<i>Ceratium longipes</i>		578						432
<i>Chaetoceros contortus</i>	1872	867	3468	10404	10404	864		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	576	867						144
<i>Chaetoceros danicus</i>								144
<i>Chaetoceros didymus</i>			289					
<i>Chaetoceros laciniosus</i>					289			
<i>Chaetoceros lorenzianus</i>								144
<i>Chaetoceros pseudobrevis</i>						288		
<i>Chaetoceros radicans</i>	144			289	289	432		
<i>Chaetoceros similis</i>								288
<i>Chaetoceros socialis</i>	115022	163574	139298	48841	110109	41904	320	2736
<i>Chaetoceros</i> spp. (Hyalochaete)	2592	4046	6647	9826	11560		120	4176
<i>Commation cryoporinum</i>						144		
Copepoda							80	
<i>Coscinodiscus</i> spp.			289		289		40	
<i>Coscinodiscus wailesii</i>	144							
<i>Cylindrotheca closterium</i>	4752	3468	5202	8670	8670	4896	1360	1728
<i>Dactyliosolen fragilissimus</i>	288	289	867	1156		576		
<i>Dictyocha speculum</i>	720	289		289		144	840	3024
<i>Dinobryon</i> spp.	288	1445						144
<i>Dinophysis acuminata</i>	864	578	3179	578	289		40	144
<i>Dinophysis fortii</i>			289				40	
<i>Dinophysis norvegica</i>	288		867			144	240	
<i>Ditylum brightwellii</i>					289			
<i>Ebria tripartita</i>		289					160	3024
<i>Eucampia zodiacus</i>	288							
<i>Eutreptiella</i> sp.	1728	578	3757	2601	289		1400	3312
<i>Gonyaulax digitale</i>		1734	289					
<i>Gonyaulax spinifera</i>		578	1445	578				144
<i>Guinardia delicatula</i>	864	3179	3757	2601	2890	1440	960	6480
<i>Gyrodinium</i> spp.	1152	867	2023		578	144	200	1728

<b>14-Aug-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Gyrosigma fasciola</i>	144							
<i>Helicostomella</i> spp.	144		2890		289	144	40	
<i>Heterocapsa triquetra</i>	3456	9248	31501	3757	3757		80	1584
<i>Laboea</i> sp.							80	
<i>Lennoxia faveolata</i>	144						200	
<i>Leptocylindrus danicus</i>					289			
<i>Leptocylindrus mediterraneus</i>	144							
<i>Leptocylindrus minimus</i>	4896	13294	3179	3757	3468	864	240	1584
<i>Mesodinium rubrum</i>	2304	3179	9537	1445	578	432	5760	2304
<i>Navicula distans</i>					289			144
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	432		1156	578	289	144		
<i>Parafavella</i> spp.					289			
Pennate diatom		289	289	867		432	80	
<i>Polykrikos</i> spp.					289			
<i>Prorocentrum minimum</i>	432	1156	1445	2890	1156	288	120	28080
<i>Prorocentrum</i> sp. (small)					289			
<i>Protoperidinium bipes</i>					289			
<i>Protoperidinium brevipes</i>			578		578			
<i>Protoperidinium</i> spp.			867	289				
<i>Pseudo-nitzschia delicatissima</i>	17136			2023		3168	200	864
<i>Pseudo-nitzschia delicatissima</i> group		20230	28322		25721			
<i>Pseudo-nitzschia pseudodelicatissima</i>	2016	15895	9826	34969		2160	80	432
<i>Pseudo-nitzschia pungens</i>								576
<i>Pseudo-nitzschia seriata</i>	144							
<i>Pseudo-nitzschia seriata</i> group								288
<i>Scrippsiella</i> sp.	2880	11560	7225	1734	289		40	5760
<i>Scrippsiella trochoidea</i>	1440	4624	24854	1734	289		40	288
<i>Skeletonema costatum</i>	288		1445	1445	1156		120	
<i>Thalassionema nitzschioides</i>	576			289	867	144		
<i>Thalassiosira baltica</i>					578			
<i>Thalassiosira</i> sp. (tiny)			1156					
<i>Thalassiosira</i> spp.	432			2601	1445	720		
Tintinnida	1296	2601	3179	1156	2023	864	520	9648
<i>Tintinnopsis</i> spp.						144		
Unarmoured dinoflagellate	864	1156	6358	578	867		440	1296
<b>21-Aug-07</b>								
<i>Alexandrium fundyense</i>	288	193	386	4046				1445
<i>Alexandrium fundyense</i> (cyst)				578				
<i>Alexandrium fundyense</i> (duplet)				578				
<i>Alexandrium fundyense</i> (planozygote)			193					
<i>Amphidinium sphenoides</i>			193	1156				
<i>Amylax triacantha</i>				578				
<i>Apedinella radians</i>							96	
Armoured dinoflagellate	2880	3667	2509	10404	867	576	96	23987
<i>Asterionellopsis glacialis</i>	144							
<i>Cerataulina pelagica</i>	432	1158	772	1156	1156		2496	10982
<i>Chaetoceros contortus</i>		1158	965	8670	1734	3024		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	144	579	193				96	
<i>Chaetoceros didymus</i>	144					288		

21-Aug-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros furcellatus</i>						432		
<i>Chaetoceros laciniosus</i>	288	193	772			432		
<i>Chaetoceros lorenzianus</i>	144							
<i>Chaetoceros radicans</i>					289	144		
<i>Chaetoceros socialis</i>	29478	35319	73984	80920	31790		96	578
<i>Chaetoceros</i> spp. (Hyalochaete)	576	6948	12931	33524	6358	16992	384	289
<i>Chrysochromulina parkeae</i>								289
Copepoda					289		96	
<i>Corethron hystrix</i>								289
<i>Coscinodiscus</i> spp.	144							
<i>Coscinodiscus wailesii</i>	144	193						
<i>Cylindrotheca closterium</i>	2160	772	965	2890	4046	1008	960	
<i>Dactyliosolen fragilissimus</i>	2160	2123	2702	2890	578	864	96	
<i>Dictyocha speculum</i>	1008	193		1156	289		1152	3757
<i>Dinophysis acuminata</i>	1152		386	1734			384	867
<i>Dinophysis acuta</i>			193					
<i>Dinophysis dens</i>	144			1734				
<i>Dinophysis fortii</i>							96	578
<i>Dinophysis norvegica</i>							96	
<i>Dinophysis pulchella</i>		193						
<i>Ditylum brightwellii</i>						144		
<i>Ebria tripartita</i>	288		193				1152	18207
<i>Eucampia zodiacus</i>			386	578	578			
<i>Eutreptiella</i> sp.	2736	579	193	3468			768	1156
<i>Gonyaulax spinifera</i>								578
<i>Guinardia delicatula</i>	8352	7913	4632	5780	4046	3744	3744	5780
<i>Gyrodinium</i> spp.			1930	2312	289	144	96	289
<i>Helicostomella</i> spp.	288	386					288	
<i>Heterocapsa triquetra</i>	2592	1158	1158	12138			96	867
<i>Lennoxia faveolata</i>	144							
<i>Leptocylindrus danicus</i>		386						
<i>Leptocylindrus mediterraneus</i>	144		193				192	
<i>Leptocylindrus minimus</i>	10512	11966	9457	30634	3757	1296	480	
<i>Mesodinium rubrum</i>	4176	965	1930	1734	289	432	20736	867
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	432				578	576		
<i>Notholca</i> spp.	144							
<i>Parafavella</i> spp.				578				
Pennate diatom	144	193	193		289			
<i>Polykrikos</i> spp.			193					
<i>Proboscia alata</i>		193						
<i>Prorocentrum minimum</i>	1296		579		578		1344	76585
<i>Prorocentrum</i> sp. (small)					578			
<i>Protoperidinium brevipes</i>			386					
<i>Protoperidinium conicum</i>				578				
<i>Protoperidinium</i> spp.			193			144		
<i>Pseudo-nitzschia americana</i>	144							
<i>Pseudo-nitzschia delicatissima</i> group	67048	286724		331194	149702	36576	960	1156
<i>Pseudo-nitzschia pseudodelicatissima</i>			331772					
<i>Pseudo-nitzschia pungens</i>				578			2112	36414





<b>28-Aug-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Gonyaulax spinifera</i>	289							289
<i>Guinardia delicatula</i>	5202	578	2601	2312	5202	3757	1480	1445
<i>Gyrodinium</i> spp.	1445				289	578		
<i>Helicostomella</i> spp.	578	289	289					
<i>Heterocapsa triquetra</i>	2023	578	3468				120	3757
<i>Laboea</i> sp.					289		80	
<i>Leptocylindrus danicus</i>	289				289			
<i>Leptocylindrus mediterraneus</i>			1445					
<i>Leptocylindrus minimus</i>	25721	43928	26588	2312	12138	5491	4320	867
<i>Mesodinium rubrum</i>	5491	578	3468	2023	289		1160	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				578		578		
<i>Odontella aurita</i>	289							
Pennate diatom	2312	578			578			
<i>Pleurosigma strigosum</i>					289			
<i>Polykrikos</i> spp.	578				289			
<i>Prorocentrum minimum</i>	289		289	578	578	289	2000	79186
<i>Prorocentrum</i> sp. (small)				289				
<i>Protoperidinium bipes</i>	1156	289	1156	5202	4335			
<i>Protoperidinium conicum</i>	289							
<i>Protoperidinium ovatum</i>			289					
<i>Protoperidinium punctulatum</i>				289				
<i>Protoperidinium</i> spp.	578		289					
<i>Protoperidinium steinii</i>					289			
<i>Pseudo-nitzschia delicatissima</i>			164730					
<i>Pseudo-nitzschia delicatissima</i> group	266667	162418					1680	2023
<i>Pseudo-nitzschia fraudulenta</i>		578	578	289	289	289		
<i>Pseudo-nitzschia pseudodelicatissima</i>	289			153170	311542	145656		
<i>Pseudo-nitzschia pungens</i>	1734	289	2312	2601	7514	1156	8080	55488
<i>Pseudo-nitzschia seriata</i>		289	578	867	867	289		
<i>Pseudo-nitzschia seriata</i> group				4624				
<i>Pseudo-nitzschia subpacific</i>	867				289			
<i>Pseudo-nitzschia turgidula</i>					289			
<i>Scrippsiella</i> sp.	4335	132940	2312				160	6358
<i>Scrippsiella trochoidea</i>	2023	1734	1156					3179
<i>Skeletonema costatum</i>	867					867	1760	
<i>Thalassionema nitzschioides</i>						289		
<i>Thalassiosira anguste-lineata</i>						578		
<i>Thalassiosira baltica</i>			289		578			
<i>Thalassiosira bioculata</i>					578			
<i>Thalassiosira gravida</i>	289		1156		289			
<i>Thalassiosira punctigera</i>			289		289			
<i>Thalassiosira</i> spp.	3757	578	1445	1734	6358	5491	160	289
Tintinnida	3468	1734	2312	2023	289	289	1160	2601
Unarmoured dinoflagellate	3468		4046	867	867	578	240	
<b>4-Sep-07</b>								
<i>Alexandrium fundyense</i>	40						40	
<i>Amphidinium sphenoides</i>	200	3168	7920	6562	720	96		1728
<i>Amylax triacantha</i>			144					
<i>Apedinella radians</i>	40	576	576	193			40	288

<b>4-Sep-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
Armoured dinoflagellate	1640	3168	5616	1544	144			1296
Centric diatom								288
<i>Cerataulina pelagica</i>	1240	6624	5472	2895	1728	576	120	288
<i>Ceratium fusus</i>							40	
<i>Ceratium lineatum</i>		144						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		144					40	
<i>Chaetoceros furcellatus</i>						96		
<i>Chaetoceros similis</i>							40	
<i>Chaetoceros socialis</i>	200		144					
<i>Chaetoceros</i> spp. (Hyalochaete)						96	40	
<i>Chrysochromulina parkeae</i>		144						
<i>Commation cryoporinum</i>						96		
Copepoda	80					96	80	
<i>Corethron hystrix</i>	80	432	144	386		192		
<i>Coscinodiscus</i> spp.						192		
<i>Coscinodiscus wailiesii</i>	480	288	144					288
<i>Cylindrotheca closterium</i>	280	1440	1728	2509	2304	768	40	288
<i>Dactyliosolen fragilissimus</i>	320	1584	1440	965	1728	1632	40	432
<i>Dictyocha speculum</i>	480	432	864	579	432	96	800	13824
<i>Dinophysis acuminata</i>	200	1440	1152				40	4608
<i>Dinophysis acuta</i>								432
<i>Dinophysis dens</i>			288					288
<i>Dinophysis fortii</i>								1152
<i>Dinophysis norvegica</i>		144	288				40	432
<i>Dinophysis pulchella</i>	40							
<i>Ditylum brightwellii</i>						96		
<i>Ebria tripartita</i>	920	2304	1152	193			480	3024
<i>Eucampia zodiacus</i>	40	144			144			
<i>Eutreptiella</i> sp.	1480	10224	4464	579	144	96	120	3456
<i>Favella</i> spp.	40							
<i>Guinardia delicatula</i>	160	576	720	965	432	1632		288
<i>Guinardia flaccida</i>			576					144
<i>Gyrodinium</i> spp.	120	144	1008	579	288		40	
<i>Helicostomella</i> spp.			144			96	40	432
<i>Heterocapsa triquetra</i>	120	1440	1152					576
<i>Laboea</i> sp.							160	
<i>Lennoxia faveolata</i>	40	432					40	
<i>Leptocylindrus danicus</i>		432	720	386	144	192		
<i>Leptocylindrus mediterraneus</i>	120	144	2736				80	144
<i>Leptocylindrus minimus</i>	360	16416	5040	4246	4176	1728	1040	144
<i>Mesodinium rubrum</i>	2200	13248	9072	2123		384	5280	6336
<i>Micracanthodinium claytonii</i>	40							
<i>Navicula distans</i>		144						
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40			579	288	96	40	
Pennate diatom	120	1008	432					288
<i>Polykrikos</i> spp.							40	
<i>Prorocentrum minimum</i>	200	720	1296	772	432	192	720	31680
<i>Prorocentrum</i> sp. (small)	40			386				
<i>Protoperidinium bipes</i>	160	720	1872	772	1584	96		720

<b>4-Sep-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Protoperidinium conicum</i>	80							
<i>Protoperidinium</i> spp.			576		288			144
<i>Pseudo-nitzschia delicatissima</i> group	2480	5904	11520	36863	82654	36096	1920	576
<i>Pseudo-nitzschia fraudulentata</i>					288	96		
<i>Pseudo-nitzschia pseudodelicatissima</i>					288			
<i>Pseudo-nitzschia pungens</i>	2400	7776		13703	6912	5760	2800	6624
<i>Pseudo-nitzschia seriata</i>	40							
<i>Pseudo-nitzschia seriata</i> group		288	10368		1008			
<i>Pseudo-nitzschia subpacifica</i>	40							
<i>Scrippsiella</i> sp.	640	1440	1872	193				576
<i>Scrippsiella trochoidea</i>		432	1296				40	
<i>Skeletonema costatum</i>					144	96	760	
<i>Thalassionema nitzschioides</i>	40					672		
<i>Thalassiosira baltica</i>						576		
<i>Thalassiosira bioculata</i>	40							
<i>Thalassiosira gravida</i>			144	193	864	480		
<i>Thalassiosira punctigera</i>		432			288	192		
<i>Thalassiosira</i> sp. (tiny)			144				440	
<i>Thalassiosira</i> spp.	40	288		1930	2448	1920		
Tintinnida	840	4176	11376	579	576		1280	8208
<i>Tintinnopsis</i> spp.					1008	384		
Unarmoured dinoflagellate	600	1872	1440	579	144		120	1296
<b>11-Sep-07</b>								
<i>Alexandrium fundyense</i>					40			
<i>Amphidinium carterae</i>			80	289				
<i>Amphidinium sphenoides</i>	1728	8106	2880	13005	4040	1320	80	280
<i>Apedinella radians</i>	2736	5018	2480	4046	240			140
Armoured dinoflagellate	5040	5597	3600	5202	4800	280	40	1960
<i>Aulacoseira ambigua</i>								70
<i>Calliacantha</i> sp.	144	193	80					
Centric diatom							80	
<i>Cerataulina pelagica</i>		193	40		40	80	160	70
<i>Ceratium lineatum</i>								70
<i>Chrysochromulina parkeae</i>	576	1158	440					70
<i>Commation cryoporinum</i>					40	80		
Copepoda							160	70
<i>Corethron hystrix</i>				289	40	40	40	210
<i>Coscinodiscus</i> spp.			40			40	40	
<i>Coscinodiscus wailesii</i>	288	193	800	1445	720	40	280	980
<i>Cylindrotheca closterium</i>	1872	3667	1040	1734	880	2080	80	210
<i>Dactyliosolen fragilissimus</i>						280	80	
<i>Dictyocha speculum</i>	576	965	320	289	720	40	680	11760
<i>Dinobryon</i> spp.			80	2023	80			
<i>Dinophysis acuminata</i>	288	386	920	1445			240	1750
<i>Dinophysis norvegica</i>	288		120		40			70
<i>Dinophysis pulchella</i>			40					
<i>Ebria tripartita</i>	288	386	280	289	440		640	840
<i>Eutreptiella</i> sp.	10800	21423	20080	21097	3600		800	3080
<i>Favella</i> spp.	288	193	120					

11-Sep-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Gonyaulax digitale</i>			40					70
<i>Gonyaulax spinifera</i>			40	289				
<i>Guinardia delicatula</i>	144	193		289	80	160		
<i>Gyrodinium</i> spp.	432	1351	1160	289	440	360	160	140
<i>Helicostomella</i> spp.			400	578				140
<i>Heterocapsa triquetra</i>		193	40					
<i>Laboea</i> sp.			40		160		640	
<i>Lennoxia faveolata</i>			40					70
<i>Leptocylindrus danicus</i>			40			120		
<i>Leptocylindrus mediterraneus</i>	1008	1158	1840		640			210
<i>Leptocylindrus minimus</i>	4032	9843	1080	9826	2640	2360	480	700
<i>Mesodinium rubrum</i>	9360	29915	9240	17629	1320	200	6680	3290
<i>Micracanthodinium claytonii</i>		579	680		40			70
<i>Navicula distans</i>						40		140
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	576		40		800	40		
<i>Notholca</i> spp.			80					70
Pennate diatom	288				280			70
<i>Pleurosigma angulatum</i>	144							
<i>Polykrikos</i> spp.	144	193	320	289	160			70
<i>Prorocentrum minimum</i>	144			2312	520	280	560	6090
<i>Prorocentrum</i> sp. (small)				289				
<i>Protoperidinium bipes</i>			80	289	40	40		
<i>Protoperidinium brevipes</i>	144							
<i>Protoperidinium punctulatum</i>	144							
<i>Protoperidinium</i> spp.			240		120		40	
<i>Protoperidinium steinii</i>					40			
<i>Pseudo-nitzschia delicatissima</i> group	432		80			1160	600	70
<i>Pseudo-nitzschia fraudulenta</i>			160		40	40		
<i>Pseudo-nitzschia pseudodelicatissima</i>						40		
<i>Pseudo-nitzschia pungens</i>	288	193	200		480	2320	160	140
<i>Pseudo-nitzschia seriata</i> group				1156	80	120		
<i>Rhizosolenia imbricata</i>					40			
<i>Scrippsiella</i> sp.	2304	3474	1640	2023				490
<i>Scrippsiella trochoidea</i>	144	193	800	1734				
<i>Skeletonema costatum</i>						160	2000	
<i>Thalassionema nitzschioides</i>						40		
<i>Thalassiosira anguste-lineata</i>	432					40		
<i>Thalassiosira baltica</i>	576					480		
<i>Thalassiosira gravida</i>						40		
<i>Thalassiosira oestrupii</i>							560	
<i>Thalassiosira punctigera</i>	144				200	400		
<i>Thalassiosira</i> spp.	144	193			80	200		70
Tintinnida	28224	43039	19400	82654	8280	280	3040	8470
<i>Tintinnopsis</i> spp.						40		
Unarmoured dinoflagellate	3024	4246	3040	1734	1960	440	240	980
<b>18-Sep-07</b>								
<i>Amphidinium carterae</i>	40	200	420					
<i>Amphidinium sphenoides</i>	280	400	2170	720	1880	160	20	144
<i>Apedinella radians</i>	100	160	840	840			20	144

18-Sep-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Armoured dinoflagellate	520	2720	7560	2240	40	120	80	576
<i>Calliakantha</i> sp.	20		140				20	
Centric diatom				80				
<i>Cerataulina pelagica</i>				240		40	20	
<i>Ceratium lineatum</i>			140	40				144
<i>Ceratium</i> spp.								144
<i>Chrysochromulina parkeae</i>		80	1330					
<i>Commation cryoporinum</i>					40	40		
Copepoda	20						20	
<i>Corethron hystrix</i>	20				120	80	80	144
<i>Coscinodiscus</i> spp.	40		70	40				
<i>Coscinodiscus wailesii</i>	520	720	910	960	200	40	240	432
<i>Cylindrotheca closterium</i>	140	360	840	520	2000	480	100	
<i>Dactyliosolen fragilissimus</i>					80	40	80	
<i>Dictyocha speculum</i>	160	120	140	120	120		980	49130
<i>Dinobryon</i> spp.			70	80				
<i>Dinophysis acuminata</i>	120		1680	520			40	3600
<i>Dinophysis dens</i>			70	40				
<i>Dinophysis norvegica</i>				40				
<i>Dinophysis pulchella</i>							40	
<i>Dinophysis</i> spp.							20	3024
<i>Ebria tripartita</i>	160	120	70	40	40		100	1728
<i>Eutreptiella</i> sp.	3260	2440	7980	5800	320		440	5040
<i>Gonyaulax digitale</i>		40						144
<i>Guinardia delicatula</i>		80			40	40		
<i>Guinardia flaccida</i>							140	
<i>Gyrodinium</i> spp.	100	200	2450	560	160		40	
<i>Helicostomella</i> spp.	20	40	350					720
<i>Laboea</i> sp.				200			740	144
<i>Leptocylindrus mediterraneus</i>		80	560	160				
<i>Leptocylindrus minimus</i>	180	480	350	40	480	280	160	
<i>Mesodinium rubrum</i>	1760	4480	13160	1040	80	40	5140	19584
<i>Micracanthodinium claytonii</i>	40		140					
<i>Navicula distans</i>				160	240	40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40					40		
Pennate diatom	60	160		40	80	40		
<i>Pleurosigma</i> / <i>Gyrosigma</i>							20	
<i>Pleurosigma angulatum</i>	20							
<i>Polykrikos</i> spp.			210	40				
<i>Porosira glacialis</i>						40		
<i>Prorocentrum minimum</i>	100	40	70	160			540	65603
<i>Prorocentrum</i> sp. (small)					40			
<i>Protoperidinium brevipes</i>				40				
<i>Protoperidinium</i> spp.			140					
<i>Pseudo-nitzschia delicatissima</i> group					400	120	20	
<i>Pseudo-nitzschia fraudulentula</i>					40	40		
<i>Pseudo-nitzschia pseudodelicatissima</i>				40	80			
<i>Pseudo-nitzschia pungens</i>		40		80	160	80	20	288
<i>Pseudo-nitzschia seriata</i> group						40		

18-Sep-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Pseudo-nitzschia subpacific</i>					40			
<i>Rhizosolenia setigera</i>	20	80				40	20	
<i>Scrippsiella</i> sp.	100	1560	1190					
<i>Scrippsiella trochoidea</i>		80	700	40				
<i>Skeletonema costatum</i>							100	
<i>Thalassiosira baltica</i>					40	480		
<i>Thalassiosira gravida</i>						80		
<i>Thalassiosira punctigera</i>	20	40		80	240	240	20	
<i>Thalassiosira</i> spp.					120	360	100	
Tintinnida	1860	7880	12250	11360	280	120	2520	9216
Unarmoured dinoflagellate	340	1000	6020	1400	120	80	160	2160
<b>25-Sep-07</b>								
<i>Achnanthes</i> sp.							20	
<i>Alexandrium fundyense</i>					80	40		144
<i>Amphidinium carterae</i>	60	40	80	40				
<i>Amphidinium sphenoides</i>	20	640	120	440	120			
<i>Apedinella radians</i>		680	480					
Armoured dinoflagellate	300	9880	5640	4840	120		20	576
<i>Aulacoseira ambigua</i>							20	
<i>Calliacantha</i> sp.		120						
Centric diatom			80					144
<i>Cerataulina pelagica</i>				40			40	
<i>Ceratium lineatum</i>	20		120	160				
<i>Ceratium longipes</i>				80	40			288
<i>Chaetoceros pseudobrevis</i>					40			
<i>Chaetoceros socialis</i>					1600			
<i>Chaetoceros</i> spp. (Hyalochaete)	20				120			
<i>Chrysochromulina parkeae</i>		240	120					
<i>Commation cryoporinum</i>				80				
Copepoda	60	200			40		40	
<i>Corethron hystrix</i>							80	720
<i>Coscinodiscus</i> spp.	240	200	240	200	80			
<i>Coscinodiscus wailesii</i>	100		280	280	160	240		
<i>Cylindrotheca closterium</i>	940	1680	1760	1840	200	200	80	144
<i>Cylindrotheca gracilis</i>	20							
<i>Dactyliosolen fragilissimus</i>					160		140	
<i>Dictyocha speculum</i>	140	120	440	2680		40	640	57222
<i>Dinobryon</i> spp.		40						
<i>Dinophysis acuminata</i>	80		480	800			20	3888
<i>Dinophysis dens</i>								144
<i>Dinophysis norvegica</i>			80		40			
<i>Dinophysis pulchella</i>				40				1296
<i>Ebria tripartita</i>		40	80	80			20	1152
<i>Eucampia zodiacus</i>								144
<i>Eutreptiella</i> sp.	620	3480	3400	5760	40		260	1440
<i>Gonyaulax digitale</i>								144
<i>Grammatophora marina</i>						40		
<i>Guinardia delicatula</i>		80	40	40	80	40		
<i>Guinardia flaccida</i>	20				40			288

<b>25-Sep-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Gyrodinium</i> spp.	140	280	680	680	80		140	
<i>Helicostomella</i> spp.	20		40	80			80	864
<i>Heterocapsa triquetra</i>		120						
<i>Laboea</i> sp.	40		120	40			620	
<i>Lennoxia faveolata</i>	20	1280	920	40				
<i>Leptocylindrus danicus</i>		80	40	120		40	20	
<i>Leptocylindrus mediterraneus</i>	40	200	600			40		
<i>Leptocylindrus minimus</i>	140	160	160	40	40	40	100	
<i>Licmophora</i> spp.			40					
<i>Melosira monoliformis</i>							20	
<i>Mesodinium rubrum</i>	3920	1640	3160	1400	160		2500	6768
<i>Micracanthodinium claytonii</i>			40					
<i>Navicula distans</i>	40		40					
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				40	40			
<i>Notholca</i> spp.	20						60	
<i>Oxytoxum gracile</i>				120				
Pennate diatom	20	40	160		40		40	
<i>Pleurosigma angulatum</i>	60						40	
<i>Polykrikos</i> spp.	20						20	
<i>Prorocentrum micans</i>				80				
<i>Prorocentrum minimum</i>	20	40		160	40		400	43061
<i>Protoperidinium bipes</i>			120					
<i>Pseudo-nitzschia delicatissima</i> group	40				80	40	160	
<i>Pseudo-nitzschia fraudulenta</i>		40	40			280		
<i>Pseudo-nitzschia pseudodelicatissima</i>		40	40	40	40		40	
<i>Pseudo-nitzschia pungens</i>		320	120	440			680	1584
<i>Pseudo-nitzschia seriata</i> group				40	40			
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>			120			80		
<i>Rhizosolenia setigera</i>		80	120				40	288
<i>Rhizosolenia</i> spp.				80	40			
<i>Scrippsiella</i> sp.		2680	1000	40				288
<i>Scrippsiella trochoidea</i>		480			40			
<i>Skeletonema costatum</i>					40		540	
<i>Thalassiosira baltica</i>			40		40			
<i>Thalassiosira gravida</i>	40	40	120	40				
<i>Thalassiosira punctigera</i>	120	160	320	440	160	80		
<i>Thalassiosira</i> spp.		80		360		40	380	
Tintinnida	900	4840	4200	3400	240	160	1200	27360
Unarmoured dinoflagellate	340	3240	1760	440	40		160	288
<b>1-Oct-07</b>								
<i>Actinopterychus senarius</i>					160			
<i>Alexandrium fundyense</i>				40	40			
<i>Amphidinium carterae</i>			40				20	
<i>Amphidinium sphenoides</i>			160	80				
<i>Apedinella radians</i>			80					
Armoured dinoflagellate	20	20	3640	360	40			600
<i>Asterionellopsis glacialis</i>				80		40		
Centric diatom			40			40		
<i>Cerataulina pelagica</i>			120	600	40			280



1-Oct-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Ceratium fusus</i>							20	
<i>Ceratium lineatum</i>	20		240					
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>				40				
<i>Chaetoceros furcellatus</i>	20							
<i>Chaetoceros</i> spp. (Hyalochaete)								40
<i>Commation cryoporinum</i>			40	240	40			
Copepoda	60	60	40				20	200
<i>Corethron hystrix</i>	20	20	80				120	960
<i>Coscinodiscus</i> spp.	60	60		200			20	80
<i>Coscinodiscus wailesii</i>			40	120		80		
<i>Cylindrotheca closterium</i>	240	220	4320	4320	520	400	40	120
<i>Dactyliosolen fragilissimus</i>			160	160				
<i>Dictyocha speculum</i>	340	280	400	760	40	40	1880	30320
<i>Dinophysis acuminata</i>	60	40	760	40			120	480
<i>Dinophysis fortii</i>			40					
<i>Dinophysis norvegica</i>								120
<i>Dinophysis pulchella</i>								320
<i>Ditylum brightwellii</i>				160				
<i>Ebria tripartita</i>								480
<i>Eucampia zodiacus</i>								40
<i>Eutreptiella</i> sp.	120	80	1600	920			40	400
<i>Gonyaulax digitale</i>								80
<i>Guinardia delicatula</i>	80	60	200	160	40	40	40	80
<i>Guinardia flaccida</i>	160					40	240	760
<i>Gymnodinium</i> spp.				360				
<i>Gyrodinium</i> spp.	20	20	400		40	40	60	40
<i>Gyrosigma fasciola</i>		40						
<i>Helicostomella</i> spp.			40				20	480
<i>Heterocapsa triquetra</i>			120					
<i>Laboea</i> sp.		20					300	
<i>Lennoxia faveolata</i>			280					
<i>Leptocylindrus danicus</i>			320	40	40	40		
<i>Leptocylindrus mediterraneus</i>			520	200				
<i>Leptocylindrus minimus</i>		20	200	40	40	40		
<i>Licmophora</i> spp.							20	
<i>Mediopyxis helysia</i>					40			
<i>Mesodinium rubrum</i>	3060	140	4600	1160		40	4880	7880
<i>Navicula distans</i>	20							
<i>Notholca</i> spp.	40			120			20	
<i>Odontella sinensis</i>			40			40		
<i>Paralia sulcata</i>		60						
Pennate diatom	20	40	80					
<i>Pleurosigma angulatum</i>	20				40		20	80
<i>Pleurosigma strigosum</i>			40					
<i>Prorocentrum minimum</i>	20				40		220	3400
<i>Protoperidinium</i> spp.			40					
<i>Pseudo-nitzschia delicatissima</i> group		20		40		80		
<i>Pseudo-nitzschia fraudulenta</i>			40			40		
<i>Pseudo-nitzschia pseudodelicatissima</i>				240		40		

<b>1-Oct-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia pungens</i>			640	1080	160	40	20	240
<i>Pseudo-nitzschia seriata</i> group	40	100			80			
<i>Pseudo-nitzschia subpacifica</i>			40					
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	40		280	200				
<i>Rhizosolenia imbricata</i>		20		40				
<i>Rhizosolenia setigera</i>	20	20	80	160	40	80	200	400
<i>Rhizosolenia</i> spp.					40			
<i>Scrippsiella</i> sp.			560					
<i>Scrippsiella trochoidea</i>			320					
<i>Skeletonema costatum</i>			40				180	
<i>Thalassionema nitzschioides</i>				80	40			
<i>Thalassiosira anguste-lineata</i>			160	280	120			
<i>Thalassiosira baltica</i>			160	240	120			
<i>Thalassiosira gravida</i>			1240	920	200	160		
<i>Thalassiosira punctigera</i>	100	240	3080	2360	360	520		40
<i>Thalassiosira</i> spp.	80	20	240	120	440	40	60	
Tintinnida	200	500	1400	1040	40		280	3720
<i>Tintinnopsis</i> spp.						80	300	
Unarmoured dinoflagellate	60		840	520		40	80	160
<b>16-Oct-07</b>								
<i>Actinoptychus senarius</i>			80					
<i>Alexandrium fundyense</i>					80			40
<i>Amphidinium carterae</i>				80	80			80
<i>Amphidinium sphenoides</i>	40			240		40		
<i>Apedinella radians</i>	40			40				
Armoured dinoflagellate	120	80	120	360	160	80	20	280
<i>Asterionellopsis glacialis</i>				40				
<i>Brachionus</i> spp.					80			
Centric diatom					80			
<i>Cerataulina pelagica</i>					40			440
<i>Ceratium lineatum</i>	80	40	40	80				40
<i>Chaetoceros debilis</i>								40
<i>Chaetoceros furcellatus</i>						40		
<i>Chaetoceros socialis</i>	680		240					
<i>Chaetoceros</i> spp. (Hyalochaete)				40				
<i>Commation cryoporinum</i>					40			
Copepoda	40	20	40					
<i>Corethron hystrix</i>	280	280	440	520	680	120	260	1360
<i>Coscinodiscus</i> spp.		20	120		160		80	120
<i>Coscinodiscus wailesii</i>			40					40
<i>Cylindrotheca closterium</i>	320	200	320	400	280	80	140	440
<i>Dactyliosolen fragilissimus</i>			40	80				
<i>Dictyocha speculum</i>	360	400	1160	360	480	160	980	9800
<i>Dinophysis acuminata</i>		160	80	80	160			480
<i>Dinophysis fortii</i>								200
<i>Dinophysis norvegica</i>	40			80	40	40		
<i>Dinophysis pulchella</i>	80							80
<i>Dinophysis</i> spp.							20	
<i>Ditylum brightwellii</i>	120	220		120	40			

16-Oct-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Ebria tripartita</i>								80
<i>Eucampia zodiacus</i>								40
<i>Eutreptiella</i> sp.	1920	120	1200	1280	160			240
<i>Gonyaulax digitale</i>								40
<i>Grammatophora marina</i>			40					
<i>Guinardia delicatula</i>		20	440	400	280	40	280	4480
<i>Guinardia flaccida</i>		60	320	320	80	280	220	2760
<i>Gymnodinium</i> spp.				320		120		
<i>Gyrodinium</i> spp.	280	180	200		80		40	160
<i>Gyrosigma fasciola</i>		20						
<i>Helicostomella</i> spp.								40
<i>Heterocapsa triquetra</i>	120		80	280	40			40
<i>Laboea</i> sp.			40				60	80
<i>Leptocylindrus danicus</i>		20	200	80	40			40
<i>Leptocylindrus mediterraneus</i>			120		40	40		
<i>Leptocylindrus minimus</i>				40				
<i>Licmophora</i> spp.						40		
<i>Mediopyxis helysia</i>						40		
<i>Mesodinium rubrum</i>	3760	420	640	1200	240		620	2600
<i>Micracanthodinium claytonii</i>	40							
<i>Navicula distans</i>		40		40			20	280
<i>Notholca</i> spp.			40					
<i>Odontella sinensis</i>	80	20	120	120	80	80		
<i>Paralia sulcata</i>	40							40
Pennate diatom			40				20	
<i>Pleurosigma angulatum</i>		20						
<i>Prorocentrum minimum</i>	40					40		200
<i>Protoperidinium bipes</i>	40							
<i>Protoperidinium conicum</i>					80			
<i>Protoperidinium punctulatum</i>		40						40
<i>Protoperidinium</i> spp.			40					40
<i>Pseudo-nitzschia delicatissima</i> group						120		
<i>Pseudo-nitzschia fraudulentata</i>	80	280		280	200	40		
<i>Pseudo-nitzschia pseudodelicatissima</i>	80	120	160		360	160		
<i>Pseudo-nitzschia pungens</i>	320	2820	2280	2040	1600	1240	100	280
<i>Pseudo-nitzschia seriata</i>			480					
<i>Pseudo-nitzschia seriata</i> group			40	600	40			
<i>Pseudo-nitzschia subpacificata</i>	80	180		160				40
<i>Pseudo-nitzschia turgidula</i>						120		
<i>Rhizosolenia imbricata</i>		60				80		
<i>Rhizosolenia setigera</i>	120	40	80	360	120		600	1280
<i>Rhizosolenia</i> spp.				40		40		
<i>Scrippsiella trochoidea</i>	40							40
<i>Skeletonema costatum</i>							260	
<i>Stephanopyxis turris</i>		20						
<i>Thalassionema nitzschioides</i>			40	40	40			
<i>Thalassiosira anguste-lineata</i>	80		40		40			
<i>Thalassiosira baltica</i>	80	20	40	160	40	360		80
<i>Thalassiosira gravida</i>	520	920	720	2040	1960	1040	120	280

16-Oct-07 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira punctigera</i>	1760	2000	3200	3080	2480	1480	200	1680
<i>Thalassiosira</i> spp.	120	40		40	480	1080	40	
Tintinnida	1400	100	280	560	240	200	240	1120
<i>Tintinnopsis</i> spp.						40		
Unarmoured dinoflagellate	240	40	120	160	200		40	200
<b>23-Oct-07</b>								
<i>Actinoptychus senarius</i>	160	40						
<i>Alexandrium fundyense</i>								40
<i>Amphidinium sphenoides</i>		40						
<i>Apedinella radians</i>	40							40
Armoured dinoflagellate	80	40					160	360
Centric diatom								80
<i>Cerataulina pelagica</i>	40	80					20	
<i>Ceratium lineatum</i>		40						40
<i>Chaetoceros convolutus</i>		40						
<i>Chaetoceros debilis</i>	40						20	
<i>Chaetoceros socialis</i>	80	360						
<i>Chaetoceros</i> spp. (Hyalochaete)		40					20	
Copepoda		80					60	40
<i>Corethron hystrix</i>	760	1200					420	280
<i>Coscinodiscus</i> spp.	40	120					80	
<i>Cylindrotheca closterium</i>	680	960					80	360
<i>Dactyliosolen fragilissimus</i>	40							40
<i>Dictyocha speculum</i>	520	1680					700	3680
<i>Dinophysis acuminata</i>	80	80						600
<i>Dinophysis pulchella</i>								80
<i>Ditylum brightwellii</i>	120	600						
<i>Eutreptiella</i> sp.	120	1440					60	880
<i>Gonyaulax digitale</i>								40
<i>Guinardia delicatula</i>	200	160					900	3200
<i>Guinardia flaccida</i>	360	40					540	1360
<i>Gyrodinium</i> spp.							60	80
<i>Gyrosigma fasciola</i>		40						
<i>Helicostomella</i> spp.								40
<i>Heterocapsa triquetra</i>		40						200
<i>Laboea</i> sp.							340	240
<i>Leptocylindrus mediterraneus</i>								80
<i>Licmophora</i> spp.		40						
<i>Mesodinium rubrum</i>	3880	2360					5880	2080
<i>Navicula distans</i>		40						
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>							20	
<i>Notholca</i> spp.							20	
<i>Odontella sinensis</i>	200	120					20	
Pennate diatom		40						
<i>Prorocentrum minimum</i>		40						80
<i>Prorocentrum</i> sp. (small)		40						
<i>Protoperidinium</i> spp.		40						80
<i>Pseudo-nitzschia fraudulenta</i>	40	120						
<i>Pseudo-nitzschia pseudodelicatissima</i>	160	240						

<b>23-Oct-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia pungens</i>	480	680						80
<i>Pseudo-nitzschia seriata</i> group		200						
<i>Pseudo-nitzschia subpacific</i>	160	600					20	
<i>Rhizosolenia setigera</i>	120	120					580	720
<i>Scrippsiella trochoidea</i>								240
<i>Skeletonema costatum</i>							200	120
<i>Thalassionema nitzschioides</i>	40							
<i>Thalassiosira baltica</i>	320	120					20	80
<i>Thalassiosira gravida</i>	360	1040					200	40
<i>Thalassiosira punctigera</i>	3240	2560					500	800
<i>Thalassiosira</i> sp. (tiny)							20	
<i>Thalassiosira</i> spp.		520					40	40
Tintinnida	80	240					540	4360
Unarmoured dinoflagellate							200	400
<b>30-Oct-07</b>								
<i>Actinoptychus senarius</i>	200	600		40				280
<i>Alexandrium fundyense</i>				40				
<i>Amphidinium carterae</i>	20	20						
<i>Apedinella radians</i>			20					
Armoured dinoflagellate	100	80					60	280
<i>Asterionellopsis glacialis</i>			20					
Centric diatom			100		120			
<i>Cerataulina pelagica</i>	20							200
<i>Ceratium lineatum</i>	20		20					80
<i>Chaetoceros debilis</i>			20					
<i>Chaetoceros socialis</i>		20						
<i>Chaetoceros</i> spp. (Hyalochaete)		40						120
<i>Commation cryoporinum</i>		20	20					
Copepoda		20						
<i>Corethron hystrix</i>	80	740	380	120	520		260	640
<i>Coscinodiscus</i> spp.	40	60	60	40				120
<i>Cylindrotheca closterium</i>	420	940	720	120	400	200	240	640
<i>Dactyliosolen fragilissimus</i>	20					40		
<i>Dictyocha speculum</i>	280	280	320		80	120	280	2720
<i>Dinophysis acuminata</i>	100		40	40			20	560
<i>Dinophysis fortii</i>								40
<i>Dinophysis pulchella</i>	20							160
<i>Ditylum brightwellii</i>	40	40	40			120		80
<i>Ebria tripartita</i>							20	
<i>Eutreptiella</i> sp.	200	300	80	80		40	60	160
<i>Gonyaulax spinifera</i>							20	
<i>Guinardia delicatula</i>	620	80	540	240	360	40	520	1080
<i>Guinardia flaccida</i>	340		240	120	120	80	200	360
<i>Gyrodinium</i> spp.	20	20			40			120
<i>Helicostomella</i> spp.	40							
<i>Heterocapsa triquetra</i>								40
<i>Laboea</i> sp.	20		40				80	200
<i>Leptocylindrus danicus</i>		20						
<i>Leptocylindrus mediterraneus</i>			20					

<b>30-Oct-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Licmophora</i> spp.		60						
<i>Mesodinium rubrum</i>	2360	2420	2800	120	200		2000	11600
<i>Navicula distans</i>	40	120	40		40	40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			20					
<i>Notholca</i> spp.						40		
<i>Odontella aurita</i>	20							
<i>Odontella sinensis</i>	80	160		80	80	40	20	
<i>Paralia sulcata</i>					40	40		
Pennate diatom	80	40					20	
<i>Pleurosigma angulatum</i>		60						
<i>Prorocentrum micans</i>					80			
<i>Prorocentrum minimum</i>		40			80			120
<i>Prorocentrum</i> sp. (small)					40			
<i>Protoperdinium punctulatum</i>	40							240
<i>Protoperdinium</i> spp.			20					
<i>Pseudo-nitzschia delicatissima</i> group		20	20	40		40		
<i>Pseudo-nitzschia fraudulenta</i>		40						
<i>Pseudo-nitzschia pseudodelicatissima</i>			20	40				40
<i>Pseudo-nitzschia pungens</i>		20	20	40				
<i>Pseudo-nitzschia seriata</i> group	40							
<i>Pseudo-nitzschia subpacific</i>	40	80	40					
<i>Rhizosolenia imbricata</i>		20			40			
<i>Rhizosolenia setigera</i>	100	20	40		80		300	520
<i>Scrippsiella</i> sp.			20					
<i>Scrippsiella trochoidea</i>								120
<i>Skeletonema costatum</i>	20						60	
<i>Thalassionema nitzschioides</i>	100	80		120	80	80		
<i>Thalassiosira baltica</i>		460	100	40	160	200		
<i>Thalassiosira gravida</i>	40		20	40			20	120
<i>Thalassiosira punctigera</i>	1540	1820	1100	400	1440	720	740	4840
<i>Thalassiosira</i> spp.	340	100	220		200	240	80	
Tintinnida	300	240	140	120	80		120	920
<i>Tintinnopsis</i> spp.	180							
Unarmoured dinoflagellate	60	20	40		80		20	40
<b>6-Nov-07</b>								
<i>Actinopterychus senarius</i>	80	80						140
<i>Amphidinium carterae</i>								40
Armoured dinoflagellate	20	300					20	140
Centric diatom	40							20
<i>Ceratium lineatum</i>	20						20	
<i>Chaetoceros debilis</i>								40
<i>Chaetoceros decipiens</i>	20							
<i>Chaetoceros</i> spp. (Hyalochaete)		40						
<i>Commation cryoporinum</i>		20						
Copepoda		20					40	
<i>Corethron hystrix</i>	120	180					180	280
<i>Coscinodiscus</i> spp.	100	40						20
<i>Cylindrotheca closterium</i>	420	460					240	660
<i>Dictyocha speculum</i>	160	220					220	300

<b>6-Nov-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Dinophysis acuminata</i>							40	80
<i>Ditylum brightwellii</i>	100	80					20	20
<i>Eutreptiella</i> sp.	40	240					20	60
<i>Gonyaulax digitale</i>		20						
<i>Gonyaulax spinifera</i>							20	20
<i>Guinardia delicatula</i>	20	40					340	100
<i>Gyrodinium</i> spp.	20	80						
<i>Gyrosigma tenuissimum</i>		20						
<i>Helicostomella</i> spp.								20
<i>Laboea</i> sp.	20	60					120	120
<i>Leptocylindrus minimus</i>		40						
<i>Mesodinium rubrum</i>	1020	640					1400	2340
<i>Navicula distans</i>	20						40	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		20						
<i>Odontella aurita</i>	40							
<i>Odontella sinensis</i>	20	100						40
Pennate diatom	40	100					140	80
<i>Protoperidinium punctulatum</i>								20
<i>Protoperidinium</i> spp.							20	
<i>Pseudo-nitzschia pungens</i>		20						
<i>Pseudo-nitzschia seriata</i> group	20						20	
<i>Rhizosolenia setigera</i>	20						120	140
<i>Scrippsiella trochoidea</i>		20						
<i>Skeletonema costatum</i>							60	
<i>Thalassionema nitzschioides</i>	140	40					20	40
<i>Thalassiosira baltica</i>	40	140						
<i>Thalassiosira gravida</i>	40	60						
<i>Thalassiosira punctigera</i>	1460	360					1520	3560
<i>Thalassiosira</i> spp.	200	300					240	120
Tintinnida	120	820					380	380
<i>Tintinnopsis</i> spp.	40						340	60
Unarmoured dinoflagellate	20	100						80
<b>6-Dec-07</b>								
<i>Actinoptychus senarius</i>			100					40
<i>Amphidinium carterae</i>			40	40				
Armoured dinoflagellate		40	60	40	120			60
<i>Asterionellopsis glacialis</i>		20						
<i>Biddulphia alternans</i>					80			
Centric diatom	40						20	20
<i>Ceratium longipes</i>		20						
<i>Chaetoceros</i> spp. (Hyalochaete)	40							
<i>Commation cryoporinum</i>			20	120	40			
Copepoda		20					20	
<i>Corethron hystrix</i>	80	40	100		120			60
<i>Coscinodiscus</i> spp.		40				40		
<i>Cylindrotheca closterium</i>	580	420	540	400	680	80	260	520
<i>Dictyocha speculum</i>	20	100	40	80			20	140
<i>Dinophysis acuminata</i>				40	40			
<i>Ditylum brightwellii</i>	60	20	60					

<b>6-Dec-07 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Eutreptiella</i> sp.								200
<i>Gonyaulax digitale</i>								20
<i>Guinardia delicatula</i>		20						60
<i>Gyrodinium</i> spp.	20	20	20				20	20
<i>Leptocylindrus minimus</i>		40	40		40			
<i>Mediopyxis helysia</i>				40				
<i>Melosira moniliformis</i>			60					
<i>Mesodinium rubrum</i>	420	680	1440	160	40	160	1120	760
<i>Navicula distans</i>		20	20		80		20	
<i>Notholca</i> spp.		20						
<i>Paralia sulcata</i>			20					
Pennate diatom		40	20	40	40		40	180
<i>Pleurosigma angulatum</i>							20	
<i>Prorocentrum minimum</i>		20					20	
<i>Protoperidinium</i> spp.			20					
<i>Pseudo-nitzschia delicatissima</i> group		20		40	40			20
<i>Rhabdonema</i> spp.			20					
<i>Rhizosolenia setigera</i>	20	40					40	20
<i>Skeletonema costatum</i>	40		40					40
<i>Thalassionema nitzschioides</i>	60		20		80	40		
<i>Thalassiosira baltica</i>		20	20		80	40		
<i>Thalassiosira gravida</i>			20					
<i>Thalassiosira punctigera</i>	120	20	40		240	120	320	900
<i>Thalassiosira</i> spp.	40	60	120	120	40	40		80
Tintinnida	200	60	20	40	120	80	100	220
<i>Tintinnopsis</i> spp.	40						500	
Unarmoured dinoflagellate	20	120	40	120				80
<b>8-Jan-08</b>								
<i>Actinopterychus senarius</i>	40							
<i>Amphidinium carterae</i>		60			40			
<i>Amphidinium sphenoides</i>								20
Armoured dinoflagellate		100	60					40
Centric diatom			20			120		
<i>Chaetoceros diadema</i>								20
<i>Chaetoceros</i> spp. (Hyalochaete)	20	20	20					
<i>Chaetoceros subtilis</i>								20
<i>Commation cryoporinum</i>	40	20	40					40
Copepoda							20	
<i>Corethron hystrix</i>			20				20	40
<i>Coscinodiscus</i> spp.								20
<i>Cylindrotheca closterium</i>	460	300	820	720	320	160	360	600
<i>Dictyocha speculum</i>	20	480	20	40	40			80
<i>Dinophysis norvegica</i>		20						
<i>Ditylum brightwellii</i>	20	80	20		80			20
<i>Eutreptiella</i> sp.	60	40		80				80
<i>Guinardia delicatula</i>			20					
<i>Gyrodinium</i> spp.	20	140	20				80	60
<i>Gyrosigma fasciola</i>						40		
<i>Gyrosigma littorale</i>		20						



8-Jan-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Laboea</i> sp.							20	20
<i>Leptocylindrus danicus</i>				40				
<i>Leptocylindrus minimus</i>				40				
<i>Mesodinium rubrum</i>	380	100	940	120		160	580	1680
<i>Navicula distans</i>		20				80	20	40
Pennate diatom		20	20			40	40	
<i>Pleurosigma</i> / <i>Gyrosigma</i>							20	
<i>Pleurosigma angulatum</i>					40			20
<i>Pleurosigma strigosum</i>						80		20
<i>Porosira glacialis</i>				40				
<i>Prorocentrum micans</i>				40				
<i>Protoperidinium</i> spp.	40				40			
<i>Pseudo-nitzschia delicatissima</i> group	40	80	120	40	40		80	20
<i>Rhabdonema</i> spp.	20							
<i>Rhizosolenia setigera</i>								40
<i>Skeletonema costatum</i>	20	40						20
<i>Thalassionema nitzschioides</i>					40			20
<i>Thalassiosira baltica</i>							20	
<i>Thalassiosira gravida</i>		20		40				20
<i>Thalassiosira punctigera</i>	40		80	120				60
<i>Thalassiosira</i> sp. (tiny)								20
<i>Thalassiosira</i> spp.	140	80	120	160	120	40	120	100
Tintinnida	80	480	60			40	140	320
<i>Tintinnopsis beroidea</i>						40		
<i>Tintinnopsis</i> spp.	20		20				20	20
Unarmoured dinoflagellate	20	300			40			80
<b>5-Feb-08</b>								
<i>Amphidinium carterae</i>		20						20
<i>Apedinella radians</i>			20					
Armoured dinoflagellate	40							
Centric diatom				40				
<i>Chaetoceros</i> spp. (Hyalochaete)	60	60					40	60
<i>Commation cryoporinum</i>				40				20
Copepoda	20							
<i>Coscinodiscus</i> spp.						120		
<i>Cylindrotheca closterium</i>	620	820	860	200	440	320	300	760
<i>Dictyocha speculum</i>		80	80		80			60
<i>Dinophysis rotundata</i>			20					
<i>Ditylum brightwellii</i>						40		
<i>Eutreptiella</i> sp.	20		80	40			20	80
<i>Gyrodinium</i> spp.	20		60	40	40			20
<i>Heterocapsa triquetra</i>								20
<i>Leptocylindrus minimus</i>	20		20					
<i>Mediopyxis helysia</i>								20
<i>Mesodinium rubrum</i>	1120	420	920	240	160		740	840
<i>Navicula distans</i>	40	60			120	240		20
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		20						
<i>Odontella aurita</i>	20							20
<i>Paralia sulcata</i>						40		

<b>5-Feb-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
Pennate diatom	40		80			120		220
<i>Pleurosigma angulatum</i>						40		
<i>Pleurosigma strigosum</i>				40		40		
<i>Porosira glacialis</i>	40							
<i>Protoperidinium</i> spp.			20					
<i>Pseudo-nitzschia delicatissima</i>				40				
<i>Pseudo-nitzschia delicatissima</i> group	40	160	40					80
<i>Pseudo-nitzschia pseudodelicatissima</i>			20					
<i>Rhabdonema</i> spp.			40					
<i>Rhizosolenia setigera</i>	20	20						
<i>Skeletonema costatum</i>			40					
<i>Thalassionema nitzschioides</i>		40				40		
<i>Thalassiosira baltica</i>						40	20	
<i>Thalassiosira</i> sp. (tiny)	20							20
<i>Thalassiosira</i> spp.	180	20	20		40			
Tintinnida	400	100	160	160	120		100	280
<i>Tintinnopsis beroidea</i>						40		
<i>Tintinnopsis</i> spp.	20	20					20	
Unarmoured dinoflagellate	40	40	120		40		20	60
<b>7-Mar-08</b>								
<i>Amphidinium carterae</i>		20	20		40			
<i>Apedinella radians</i>								20
Armoured dinoflagellate				80				
<i>Asterionella formosa</i>							20	
<i>Asterionellopsis glacialis</i>					40			
<i>Chaetoceros convolutus / concavicornis</i>					40			
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>				40				
<i>Chaetoceros socialis</i>				5600				
<i>Chaetoceros</i> spp. (Hyalochaete)		40			80			
<i>Cylindrotheca closterium</i>	240	120	20	160	280	320	20	200
<i>Dictyocha speculum</i>		20	20	40	40		20	20
<i>Dinobryon</i> spp.			20					
<i>Dinophysis acuminata</i>				40				
<i>Dinophysis pulchella</i>				40				
<i>Ditylum brightwellii</i>		20						
<i>Eutreptiella</i> sp.		40	20	160	80	40	20	20
<i>Gyrodinium</i> spp.	40	20			40			40
<i>Laboea</i> sp.	20			40				
<i>Licmophora</i> spp.	40							
<i>Melosira monoliformis</i>								20
<i>Mesodinium rubrum</i>	380	80	60	600	80	80	120	100
<i>Navicula distans</i>	100	40			40	40		40
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					40			
<i>Paralia sulcata</i>							20	
Pennate diatom	140	40		120	240	80	40	
<i>Pleurosigma / Gyrosigma</i>	60							
<i>Porosira glacialis</i>	20			80	40			20
<i>Protoperidinium</i> spp.								40
<i>Pseudo-nitzschia delicatissima</i>				80	120			

<b>7-Mar-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia delicatissima</i> group	20	60	20			40	20	60
<i>Pseudo-nitzschia pseudodelicatissima</i>		20						
<i>Skeletonema costatum</i>		40						20
<i>Thalassionema nitzschioides</i>					40			
<i>Thalassiosira gravida</i>							20	
<i>Thalassiosira nordenskiöldii</i>		20						
<i>Thalassiosira</i> spp.		60		80	40			
Tintinnida	120	40		440	200	80		100
<i>Tintinnopsis beroidea</i>				40				
Unarmoured dinoflagellate	60	20			120		20	200
<b>24-Apr-08</b>								
<i>Achnanthes</i> sp.	20							
<i>Actinopterychus senarius</i>						40		
<i>Alexandrium fundyense</i>	40	260	60				40	40
<i>Alexandrium fundyense</i> (duplet)	20	20						
<i>Alexandrium ostenfeldii</i>		60						
<i>Amphidinium carterae</i>	40	20	20					40
<i>Apedinella radians</i>	380	300	120	80	80		240	3600
Armoured dinoflagellate	100	240	180	40	40	40	160	600
<i>Calliacantha</i> sp.	20							
Centric diatom			40					
<i>Chaetoceros contortus</i>		20						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		20						120
<i>Chaetoceros debilis</i>	40	140					40	120
<i>Chaetoceros filiformis</i>			40				100	
<i>Chaetoceros similis</i>		20					20	
<i>Chaetoceros simplex</i>								160
<i>Chaetoceros socialis</i>								480
<i>Chaetoceros</i> spp. (Hyalochaete)	20		40	40	40		120	320
<i>Commation cryoporinum</i>			20				20	40
<i>Coscinodiscus</i> spp.		40	60					
<i>Cylindrotheca closterium</i>	660	600	180	200	360	280	160	440
<i>Dictyocha speculum</i>	140	260	240				20	120
<i>Dinobryon</i> spp.							80	
<i>Dissodinium pseudolunula</i>							20	
<i>Eutreptiella</i> sp.	280	420	140	320			580	3560
<i>Fragilaria</i> spp.							40	
<i>Grammatophora marina</i>			80				20	
<i>Gyrodinium</i> spp.	260	220	120	120		40	80	560
<i>Gyrosigma fasciola</i>							20	
<i>Heterocapsa triquetra</i>		60						40
<i>Laboea</i> sp.	60		40					160
<i>Leptocylindrus minimus</i>	40	20						80
<i>Licmophora</i> spp.	20		120	40			120	
<i>Melosira moniliformis</i>							40	
<i>Membraneis challengerii</i>						40		
<i>Mesodinium rubrum</i>	1680	1040	1220	240	40	80	1280	3240
<i>Navicula distans</i>	60		20					
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40			120	40	80	40	

24-Apr-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Notholca</i> spp.	20							
<i>Odontella aurita</i>							20	
Pennate diatom	160	20	100	40	80	240	380	
<i>Phaeocystis pouchetii</i>	20							
<i>Pleurosigma strigosum</i>						40		
<i>Porosira glacialis</i>		20		40	80		20	360
<i>Preperidinium meuneri</i>		180	200					
<i>Protoperidinium bipes</i>								80
<i>Protoperidinium</i> spp.			20	80				40
<i>Pseudo-nitzschia delicatissima</i>				200	160			
<i>Pseudo-nitzschia delicatissima</i> group	260	480	600			160	180	1200
<i>Scrippsiella trochoidea</i>								80
<i>Skeletonema costatum</i>	100	40	20		40		140	80
Strobilididae	20							
<i>Thalassionema nitzschioides</i>		20			40		20	
<i>Thalassiosira bioculata</i>								40
<i>Thalassiosira gravida</i>						40	20	
<i>Thalassiosira nordenskiöldii</i>	40	20	40	40	80		40	120
<i>Thalassiosira</i> sp. (tiny)				80	40		140	
<i>Thalassiosira</i> spp.	200	220	140	520	320	160	260	440
Tintinnida	2180	1820	2200	80			5080	2680
<i>Tintinnopsis</i> spp.							20	
Unarmoured dinoflagellate	140	260	380	160			40	2200
<b>6-May-08</b>								
<i>Alexandrium fundyense</i>	580	800	960	80	280		20	60
<i>Alexandrium fundyense</i> (duplet)	140	120	280					20
<i>Alexandrium ostenfeldii</i>	20	80						
<i>Apedinella radians</i>	760	2760	1560	960	200		100	140
Armoured dinoflagellate	240	640	360	40	80		80	160
<i>Asteroplanus karianus</i>						40		
<i>Aulacoseira ambigua</i>								20
<i>Biddulphia alternans</i>						40		
Centric diatom						120		
<i>Ceratium longipes</i>		80						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	20	40						
<i>Chaetoceros debilis</i>	40				40			40
<i>Chaetoceros furcellatus</i>							20	
<i>Chaetoceros similis</i>		40					20	
<i>Chaetoceros</i> spp. (Hyalochaete)	20			80	160		20	20
<i>Commation cryoporinum</i>					40			
<i>Coscinodiscus centralis</i>		40						
<i>Coscinodiscus</i> spp.		80	120					40
<i>Coscinodiscus wailesii</i>				40		40		
<i>Cylindrotheca closterium</i>	300	280	520	480	240		120	360
<i>Dactyliosolen fragilissimus</i>			160				80	
<i>Dictyocha speculum</i>	520	760	960	80			20	120
<i>Dinobryon</i> spp.							20	
<i>Ebria tripartita</i>							40	
<i>Eutreptiella</i> sp.	200	920	1760	840	120		300	500

<b>6-May-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Gyrodinium</i> spp.	420	560	400	80		80	80	380
<i>Heterocapsa triquetra</i>		720	240		40			20
<i>Laboea</i> sp.	60	80	200				60	120
<i>Lennoxia faveolata</i>			40					
<i>Leptocylindrus danicus</i>								20
<i>Leptocylindrus minimus</i>	20	40					60	
<i>Licmophora</i> spp.								20
<i>Mediopyxis helysia</i>						80		40
<i>Membraneis challengerii</i>						40		
<i>Mesodinium rubrum</i>	1300	4840	5640	600	480	80	400	1040
<i>Navicula distans</i>					40	80		20
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	20					80		20
Pennate diatom	60			80	280	80	500	40
<i>Pleurosigma</i> / <i>Gyrosigma</i>							20	
<i>Pleurosigma angulatum</i>						40		
<i>Preperidinium meuneri</i>	400	240	400				20	
<i>Prorocentrum minimum</i>		40						40
<i>Protoperidinium</i> spp.	20							
<i>Pseudo-nitzschia delicatissima</i>	180	360	520	680	160		560	500
<i>Pseudo-nitzschia delicatissima</i> group						40		
<i>Rhabdonema</i> spp.							40	
<i>Scrippsiella trochoidea</i>		40						
<i>Skeletonema costatum</i>	20							
<i>Thalassiosira anguste-lineata</i>		40						20
<i>Thalassiosira gravida</i>					80			20
<i>Thalassiosira hyalina</i>								20
<i>Thalassiosira nordenskiöldii</i>	40						40	80
<i>Thalassiosira</i> spp.	160	160	240	320	680	440	440	340
Tintinnida	1860	7920	5360	80	80	40	340	720
<i>Tintinnopsis beroidea</i>						80		
<i>Tintinnopsis</i> spp.			40				20	20
Unarmoured dinoflagellate	320	840	1840	120			180	240
<b>13-May-08</b>								
<i>Alexandrium fundyense</i>	440	80	300	560	40	40		160
<i>Alexandrium fundyense</i> (duplet)	60		40	40				40
<i>Alexandrium ostenfeldii</i>	40	20		80				40
<i>Amphidinium carterae</i>	20	20		80				
<i>Amphidinium sphenoides</i>	20						40	
<i>Amylax triacantha</i>								80
<i>Apedinella radians</i>	280	220	200	480	40	40	120	400
Armoured dinoflagellate	340	280	220	680	40	40		200
<i>Calliakantha</i> sp.	40						120	
Centric diatom			20					
<i>Ceratium lineatum</i>				40				
<i>Ceratium longipes</i>				80	40			
<i>Chaetoceros contortus</i>		20		40	40			
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	40	60	100				120	240
<i>Chaetoceros debilis</i>		20	60	40			40	40
<i>Chaetoceros decipiens</i>			40					

13-May-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros furcellatus</i>							40	
<i>Chaetoceros similis</i>	20							
<i>Chaetoceros socialis</i>			20		80	80		
<i>Chaetoceros</i> spp. (Hyalochaete)	120	20	60	200		80	80	120
<i>Chaetoceros subtilis</i>							40	
<i>Commatia cryoporinum</i>	20			80				
<i>Corethron hystrix</i>					40			
<i>Coscinodiscus</i> spp.	40	80	40					
<i>Cylindrotheca closterium</i>	980	660	840	720	600	200	880	760
<i>Dactyliosolen fragilissimus</i>			20					
<i>Dictyocha speculum</i>	180	100	140	160	40		40	80
<i>Dinobryon</i> spp.		40					120	
<i>Dinophysis norvegica</i>	20			40				
<i>Eutreptiella</i> sp.	640	480	1320	1800			560	920
<i>Gonyaulax alaskensis</i>						40		
<i>Gyrodinium</i> spp.	560	340	380	880	80		40	280
<i>Heterocapsa triquetra</i>	180	120	140	600				
<i>Laboea</i> sp.	100	120	160	720			80	160
<i>Leptocylindrus minimus</i>	20	40	80	80				
<i>Licmophora</i> spp.	20							
<i>Mediopyxis helysia</i>				120				
<i>Membraneis challengerii</i>	20	20	100	200				
<i>Mesodinium rubrum</i>	2700	2500	4640	2360	320		9480	6400
<i>Navicula distans</i>	40	20	60	40	80			
<i>Navicula transitans</i> var. <i>derasa</i>						120		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	20	20		40	40	40	40	
<i>Parafavella</i> spp.					40			
<i>Paralia sulcata</i>					40			
Pennate diatom	180	60	340	120	200	80		280
<i>Porosira glacialis</i>	40	20	20	120		40		80
<i>Preperidinium meuneri</i>	140	100	160					
<i>Prorocentrum minimum</i>	60		20	120				120
<i>Protoperidinium brevipes</i>	20							
<i>Protoperidinium denticulatum</i>				80				
<i>Protoperidinium ovatum</i>				40				
<i>Protoperidinium</i> spp.	40	20	20	40				
<i>Pseudo-nitzschia delicatissima</i>	360	260	540	840		200	1200	1400
<i>Pseudo-nitzschia delicatissima</i> group					600			
<i>Pseudo-nitzschia subpacificia</i>			20					
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	40		20			40		
<i>Skeletonema costatum</i>	160	180	420	80	40		80	80
<i>Thalassionema nitzschioides</i>				40	80	40		40
<i>Thalassiosira anguste-lineata</i>	20		40	80				
<i>Thalassiosira baltica</i>		20	40					
<i>Thalassiosira bioculata</i>			20					
<i>Thalassiosira gravida</i>	20			80	120			
<i>Thalassiosira nordenskiöldii</i>	40	40	40				200	40
<i>Thalassiosira</i> sp. (tiny)		20		40				
<i>Thalassiosira</i> spp.	780	880	620	3880	2720	400	440	640

<b>13-May-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
Tintinnida	720	1400	1740	5520	120		17760	2960
<i>Tintinnopsis beroidea</i>					40	40		
Unarmoured dinoflagellate	560	460	380	840			200	640
<b>20-May-08</b>								
<i>Alexandrium fundyense</i>	2240	1160	500	40		40		432
<i>Alexandrium fundyense</i> (duplet)	480	120	100					144
<i>Alexandrium fundyense</i> (quadruplet)		40						
<i>Alexandrium ostenfeldii</i>	40							
<i>Amphidinium sphenoides</i>			20	80				144
<i>Amylax triacantha</i>								144
<i>Apedinella radians</i>	160	680	360	40				3312
Armoured dinoflagellate	720	760	240	160	40	40	20	720
<i>Calliacantha</i> sp.		40					20	576
<i>Ceratium longipes</i>	40							
<i>Chaetoceros constrictus</i>			20					864
<i>Chaetoceros contortus</i>			20		80	40		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	40	160	60				40	2592
<i>Chaetoceros debilis</i>						40		
<i>Chaetoceros decipiens</i>			20					
<i>Chaetoceros filiformis</i>								576
<i>Chaetoceros pseudocrinitus</i>			20					144
<i>Chaetoceros similis</i>								2736
<i>Chaetoceros simplex</i>			20				140	
<i>Chaetoceros</i> spp. (Hyalochaete)	40	80	40	160	120	320	80	1584
<i>Commation cryoporinum</i>		40	20			80		
Copepoda		40				40		
<i>Coscinodiscus</i> spp.	80		20	40			40	144
<i>Cylindrotheca closterium</i>	640	360	500	280	200	680	960	2160
<i>Dactyliosolen fragilissimus</i>								144
<i>Dictyocha speculum</i>	80	80	60				20	
<i>Dinobryon</i> spp.							20	
<i>Eutreptiella</i> sp.	80	600	180	120	80		80	1584
<i>Gyrodinium</i> spp.	360	520	180	120	40	80	120	1152
<i>Heterocapsa triquetra</i>	360	440	80					288
<i>Laboea</i> sp.	640	120	20				60	1008
<i>Leptocylindrus minimus</i>	80	120					100	1296
<i>Licmophora</i> spp.		40					60	
<i>Mediopyxis helysia</i>					160			
<i>Melosira monoliformis</i>	40	40						
<i>Membraneis challengeri</i>	80		40	120	40	80		
<i>Mesodinium rubrum</i>	3800	14960	1120	880	160	40	1700	7488
<i>Micracanthodinium claytonii</i>			20					
<i>Navicula distans</i>	80		20		40			
<i>Navicula transitans</i> var. <i>derasa</i>				40				
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					80		20	
<i>Parafavella</i> spp.		40						
Pennate diatom	40	40	60	80		400	80	144
<i>Pleurosigma strigosum</i>						40		
<i>Porosira glacialis</i>	80	160	40		40			576

<b>20-May-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Preperidinium meuneri</i>	240	40					20	144
<i>Prorocentrum minimum</i>	120							
<i>Protoperidinium brevipes</i>				40				
<i>Protoperidinium denticulatum</i>		80						
<i>Protoperidinium</i> spp.				40				
<i>Protoperidinium steinii</i>	40							
<i>Pseudo-nitzschia delicatissima</i>	1200	720	1080	240	240	280		
<i>Pseudo-nitzschia delicatissima</i> group							1800	28800
<i>Pseudo-nitzschia pungens</i>			20					
<i>Pseudo-nitzschia seriata</i>		80						
<i>Pseudo-nitzschia seriata</i> group				120				
<i>Pseudo-nitzschia subpacifica</i>			20					
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>		40						
<i>Rhizosolenia imbricata</i>			20					
<i>Scrippsiella</i> sp.	80	40						
<i>Scrippsiella trochoidea</i>		80						
<i>Skeletonema costatum</i>	160	40	80				160	432
<i>Stephanopyxis turris</i>			20					
<i>Thalassionema nitzschioides</i>						40	40	
<i>Thalassiosira gravida</i>						40	40	288
<i>Thalassiosira nordenskiöldii</i>	40		60				20	1152
<i>Thalassiosira punctigera</i>							20	
<i>Thalassiosira</i> sp. (tiny)								144
<i>Thalassiosira</i> spp.	1080	1680	1460	5120	3960	4320	700	22896
Tintinnida	1360	10440	200	160		240	340	3888
<i>Tintinnopsis beroidea</i>						80		
<i>Tintinnopsis</i> spp.							20	144
Unarmoured dinoflagellate	800	880	200	120	40		100	2016
<b>27-May-08</b>								
<i>Alexandrium fundyense</i>	720	1960	360	432				289
<i>Alexandrium fundyense</i> (duplet)	80	200						
<i>Alexandrium ostenfeldii</i>		40	40					
<i>Amphidinium carterae</i>		40						
<i>Amphidinium sphenoides</i>			200	144	80		144	
<i>Amylax triacantha</i>			40					
<i>Apedinella radians</i>	280	3280	400	432			144	4335
Armoured dinoflagellate	1040	1640	400	288		40		578
<i>Asterionellopsis glacialis</i>					200			
<i>Attheya longicornis</i>								1156
<i>Aulacoseira ambigua</i>				144		160		
<i>Brachionus</i> spp.	40							
<i>Calliakantha</i> sp.		40						
<i>Chaetoceros constrictus</i>	160							
<i>Chaetoceros convolutus</i> / <i>concaicornis</i>		40		144				
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	120	360	280				1584	3468
<i>Chaetoceros debilis</i>	80	80						
<i>Chaetoceros decipiens</i>		40	80	144				
<i>Chaetoceros diadema</i>			800	1152	320		432	4913
<i>Chaetoceros lacinosus</i>			80					



27-May-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros pseudocrinitus</i>			40					289
<i>Chaetoceros radicans</i>								289
<i>Chaetoceros similis</i>			120	288			720	2890
<i>Chaetoceros simplex</i>	80	120	1480				3168	15895
<i>Chaetoceros socialis</i>			400		40			
<i>Chaetoceros</i> spp. (Hyalochaete)	160	400	1280	1440	440	40	1872	8092
<i>Chaetoceros teres</i>							144	
<i>Commation cryoporinum</i>			80					
<i>Coscinodiscus</i> spp.		40				40		
<i>Cylindrotheca closterium</i>	480	1200	2400	1296	840		3600	1156
<i>Dactyliosolen fragilissimus</i>	40		160					
<i>Dictyocha speculum</i>	40	240		144				289
<i>Dinophysis acuta</i>		40						
<i>Dinophysis rotundata</i>			40					
<i>Eucampia zodiacus</i>							144	289
<i>Eutreptiella</i> sp.	400	560	120	144				
<i>Gyrodinium</i> spp.	520	560	160	144				578
<i>Heterocapsa triquetra</i>	120	440	280	144	40			578
<i>Laboea</i> sp.	360		160	144				
<i>Leptocylindrus minimus</i>	160	80	640	720	80		1440	4913
<i>Licmophora</i> spp.	40	120					144	
<i>Mediopyxis helysia</i>				144	40			
<i>Melosira nummuloides</i>	40							
<i>Membraneis challengeri</i>						80		
<i>Mesodinium rubrum</i>	4200	1400	2160	4032	160		3168	3179
<i>Navicula distans</i>	80		80	288	40	40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		40			160			
<i>Notholca</i> spp.				144				
Pennate diatom	240	80	240	720			288	289
<i>Pleurosigma</i> / <i>Gyrosigma</i>		40	40					
<i>Pleurosigma angulatum</i>		40			40			
<i>Porosira glacialis</i>	80	40	120	144	40		288	1156
<i>Preperidinium meuneri</i>	40	40						
<i>Prorocentrum minimum</i>	80							
<i>Protoperidinium bipes</i>			40					
<i>Protoperidinium brevipes</i>	40	80						
<i>Protoperidinium</i> spp.		40						
<i>Protoperidinium steinii</i>			40					
<i>Pseudo-nitzschia delicatissima</i>	3120	2600	22640	25344				
<i>Pseudo-nitzschia delicatissima</i> group					800		69360	258944
<i>Pseudo-nitzschia seriata</i> group			80		40			
<i>Scrippsiella trochoidea</i>	40	40	40					
<i>Skeletonema costatum</i>	40	80	200				1008	1156
<i>Thalassionema nitzschioides</i>	40		40	144	80	40		578
<i>Thalassiosira anguste-lineata</i>	80	80	40					289
<i>Thalassiosira baltica</i>						40		
<i>Thalassiosira bioculata</i>			80					578
<i>Thalassiosira gravida</i>			120	576	120	40		867
<i>Thalassiosira nordenskiöldii</i>	40	40	160	144			288	1445

27-May-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira punctigera</i>			40					
<i>Thalassiosira</i> sp. (tiny)		40	120	144		40		
<i>Thalassiosira</i> spp.	2920	3080	7200	30096	7640	920	8064	23698
Tintinnida	1760	1720	520	576	240		1584	867
<i>Tintinnopsis beroidea</i>						40		
<i>Tintinnopsis</i> spp.	40		40				144	
Unarmoured dinoflagellate	80	560	40	288			576	578
<b>3-Jun-08</b>								
<i>Alexandrium fundyense</i>	576	192	768			80	600	1056
<i>Alexandrium fundyense</i> (duplet)			288				120	96
<i>Amphidinium sphenoides</i>	432		96	386	40	80	120	768
<i>Apedinella radians</i>	3168	8352	5664	1158			80	96
Armoured dinoflagellate	1152		672	579	40	40	880	1920
<i>Asterionellopsis glacialis</i>					120	40		
<i>Attheya longicornis</i>		480					40	
<i>Aulacoseira ambigua</i>					160			
<i>Brachionus</i> spp.							40	96
<i>Calliacantha</i> sp.	144	96	288					
<i>Ceratium longipes</i>		192						
<i>Chaetoceros atlanticus</i>							40	
<i>Chaetoceros contortus</i>					80			
<i>Chaetoceros convolutus</i>						40		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	288	2208	480				720	960
<i>Chaetoceros debilis</i>	144	96	192	772			360	576
<i>Chaetoceros decipiens</i>	144		96		280		120	480
<i>Chaetoceros diadema</i>	144	96	96	579	40	520	200	864
<i>Chaetoceros filiformis</i>	144	192					440	288
<i>Chaetoceros furcellatus</i>							120	96
<i>Chaetoceros laciniosus</i>	288		96		80		40	288
<i>Chaetoceros similis</i>	720	192	96	772	80		640	1536
<i>Chaetoceros simplex</i>	3312	3456	1920				2960	3360
<i>Chaetoceros socialis</i>						40	40	96
<i>Chaetoceros</i> spp. (Hyalochaete)	720	960	2112	2509	360	1120	3280	5472
<i>Chaetoceros teres</i>							160	672
<i>Corethron hystrix</i>								96
<i>Coscinodiscus</i> spp.						40		
<i>Cylindrotheca closterium</i>	1872	2400	864	4439	1080	1040	1400	1056
<i>Dactyliosolen fragilissimus</i>							80	96
<i>Dictyocha speculum</i>		192	288			40	40	
<i>Dinobryon</i> spp.							480	576
<i>Ebria tripartita</i>							160	384
<i>Entomoneis</i> spp.						40		
<i>Eucampia zodiacus</i>				193	40			192
<i>Eutreptiella</i> sp.	288	192	288			40	280	96
<i>Gyrodinium</i> spp.	576		576	193			1560	288
<i>Helicostomella</i> spp.							160	
<i>Heterocapsa triquetra</i>		96	192			40	240	
<i>Laboea</i> sp.	576						120	
<i>Leptocylindrus danicus</i>							40	480



9-Jun-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	192	144	160				240	
<i>Chaetoceros debilis</i>	192		80	193			240	2160
<i>Chaetoceros decipiens</i>			80		200		80	720
<i>Chaetoceros filiformis</i>							240	
<i>Chaetoceros furcellatus</i>	192			193	80	40	240	144
<i>Chaetoceros laciniosus</i>	96						160	1296
<i>Chaetoceros similis</i>	192	432	40				120	288
<i>Chaetoceros simplex</i>	192	432	80				240	
<i>Chaetoceros socialis</i>							120	
<i>Chaetoceros</i> spp. (Hyalochaete)	1056	864	760	2509	640	320	1200	20304
<i>Chaetoceros teres</i>					40		200	720
<i>Commation cryoporinum</i>			80		80			
Copepoda	96							
<i>Corethron hystrix</i>							40	
<i>Coscinodiscus</i> spp.					40			
<i>Cylindrotheca closterium</i>	5568	2304	1400	2702	1240	120	720	288
<i>Dictyocha speculum</i>	480	432	400				40	
<i>Dinobryon</i> spp.	1056	288	40				1040	3744
<i>Dinophysis acuminata</i>		144						
<i>Dinophysis norvegica</i>	192							
<i>Ebria tripartita</i>			40				40	1728
<i>Eucampia zodiacus</i>	480	144	120				280	1728
<i>Eutreptiella</i> sp.	6816	2304	520				880	1728
<i>Guinardia delicatula</i>				193				
<i>Gyrodinium</i> spp.	1248	2880	1280	579	200	40	120	144
<i>Heterocapsa triquetra</i>	576	4608	80				640	1872
<i>Laboea</i> sp.	1152	288	80					288
<i>Leptocylindrus danicus</i>	288						240	1152
<i>Leptocylindrus minimus</i>	864	576	480	386	120		360	576
<i>Licmophora</i> spp.		432						
<i>Mediopyxis helysia</i>		144		386	80	160		
<i>Membraneis challengeri</i>							40	
<i>Meringosphaera mediterranea</i>	96	1296	840					144
<i>Mesodinium rubrum</i>	6528	6624	320	193	200		2000	10224
<i>Micracanthodinium claytonii</i>							120	
<i>Navicula distans</i>				193	120		40	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					40	40		
<i>Paralia sulcata</i>						40		
Pennate diatom	384	864	560	772	40	80	120	
<i>Phaeocystis pouchetii</i>	192							
<i>Pleurosigma angulatum</i>					40			
<i>Porosira glacialis</i>	96					40		
<i>Prorocentrum minimum</i>	288	2160	1240			40	400	576
<i>Prorocentrum</i> sp. (small)		432	200		40		40	
<i>Protoperidinium bipes</i>	672		120	579			360	288
<i>Protoperidinium brevipes</i>	96		320					
<i>Protoperidinium</i> spp.	192	288	40		40		40	
<i>Protoperidinium steinii</i>			80				40	
<i>Pseudo-nitzschia delicatissima</i>				18528				

<b>9-Jun-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia delicatissima</i> group	7392	11952	17080		3760	1320	22720	423291
<i>Pseudo-nitzschia seriata</i> group		144			40		40	
<i>Scrippsiella</i> sp.	192	576	80				40	576
<i>Scrippsiella trochoidea</i>	192	2880	160	193				1728
<i>Skeletonema costatum</i>	192		200				160	288
<i>Tabellaria</i> spp.								144
<i>Thalassionema nitzschioides</i>						160	80	
<i>Thalassiosira anguste-lineata</i>	192				80			
<i>Thalassiosira bioculata</i>					40			144
<i>Thalassiosira gravida</i>					440	160	320	
<i>Thalassiosira nordenskiöldii</i>	192		440	6562			40	576
<i>Thalassiosira</i> sp. (tiny)			40	579				
<i>Thalassiosira</i> spp.	7680	4464	2560	41109	9160	2880	1720	1440
Tintinnida	6720	10080	8680	965	240	120	1120	10656
<i>Tintinnopsis beroidea</i>				193	320	440		
<i>Tintinnopsis</i> spp.		144						
Unarmoured dinoflagellate	2976	8496	2080	193	200	40	760	1008
<b>17-Jun-08</b>								
<i>Alexandrium fundyense</i>	47974	61846	32079	10404	288	160	3456	6358
<i>Alexandrium fundyense</i> (duplet)	5491	6358	3757	1734			288	578
<i>Alexandrium fundyense</i> (planozygote)	289							
<i>Alexandrium fundyense</i> (quadruplet)	289							
<i>Alexandrium fundyense</i> (triplet)	289		289					
<i>Amphidinium carterae</i>	289							
<i>Amphidinium sphenoides</i>			578	867	144	320	1296	
<i>Amylax triacantha</i>	289		289					
<i>Apedinella radians</i>	578	578	867	1156				289
Armoured dinoflagellate	24276	49130	38726	8381	144	80	576	3179
<i>Asterionellopsis glacialis</i>			578			40		
<i>Attheya longicornis</i>							144	
<i>Brachionus</i> spp.	867		578					
<i>Calliacantha</i> sp.	578		289	1156			432	
<i>Cerataulina pelagica</i>				289				
<i>Ceratium horridum</i>		1156		578				
<i>Chaetoceros constrictus</i>					144			
<i>Chaetoceros contortus</i>	289	289		578	432	80	720	1156
<i>Chaetoceros convolutus</i>			289					
<i>Chaetoceros debilis</i>	289	1156	1445	2023	432		1296	4046
<i>Chaetoceros decipiens</i>			289	578			576	
<i>Chaetoceros filiformis</i>			289	289				289
<i>Chaetoceros furcellatus</i>				578	2016	320	1440	9537
<i>Chaetoceros laciniosus</i>			3179	4624				
<i>Chaetoceros lorenzianus</i>	289							
<i>Chaetoceros pseudobrevis</i>			289			40		
<i>Chaetoceros radicans</i>						40		
<i>Chaetoceros socialis</i>	289			867		480		
<i>Chaetoceros</i> spp. (Hyalochaete)	10115	7514	7225	15895	6480	1040	8784	14161
<i>Chaetoceros teres</i>								289
Copepoda	289							

<b>17-Jun-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Cylindrotheca closterium</i>	4913	4335	9537	10693	3024	760	1152	3468
<i>Dactyliosolen fragilissimus</i>					144			
<i>Dictyocha speculum</i>	578					40		
<i>Dinobryon</i> spp.	1156	867	2601	1734				578
<i>Dinophysis acuminata</i>			289					289
<i>Dinophysis acuta</i>				289				
<i>Dinophysis norvegica</i>		578						
<i>Dinophysis pulchella</i>		578						
<i>Ebria tripartita</i>		289	289					
<i>Entomoneis</i> spp.					144	40		
<i>Eucampia groenlandica</i>				1156				
<i>Eucampia zodiacus</i>	578	289			432		1008	1156
<i>Eutintinnus</i> sp.	289							
<i>Eutreptiella</i> sp.	9248	26588	48841	60690	28224	200	1872	5780
<i>Favella</i> spp.			289					
<i>Guinardia delicatula</i>	289	289						
<i>Gyrodinium</i> spp.	867	1445	1445		288	40	720	
<i>Helicostomella</i> spp.	1156	578	867				864	
<i>Heterocapsa triquetra</i>	32657	37570	25143	3179		40	288	3179
<i>Laboea</i> sp.	289	289	289	289	576			578
<i>Leptocylindrus danicus</i>	578	578	578	1445	288		864	2601
<i>Leptocylindrus minimus</i>				289				289
<i>Licmophora</i> spp.		289						
<i>Mediopyxis helysia</i>						120		
<i>Meringsphaera mediterranea</i>	578	289	1445	1445				
<i>Mesodinium rubrum</i>	10115	8381	4913	867	1296	80	8208	5491
<i>Micracanthodinium claytonii</i>	578							
<i>Navicula distans</i>						40		
<i>Parafavella</i> spp.	289							
Pennate diatom	289	1445		867	720	80	288	289
<i>Porosira glacialis</i>				289			144	289
<i>Prorocentrum minimum</i>	1734	8092	7514	5491	576		720	3179
<i>Prorocentrum</i> sp. (small)		289	867	289			144	289
<i>Protoperidinium bipes</i>	867	1156	867	289		40	144	
<i>Protoperidinium brevipes</i>		289			144	40		
<i>Protoperidinium ovatum</i>					144			
<i>Protoperidinium</i> spp.	578	1445	578					578
<i>Protoperidinium steinii</i>				289				
<i>Pseudo-nitzschia delicatissima</i> group	11560	9248	15028	31212	4608	680	32976	74851
<i>Pseudo-nitzschia fraudulenta</i>	289						288	
<i>Pseudo-nitzschia seriata</i> group						40		
<i>Pseudo-nitzschia subpacificia</i>							144	
<i>Ptychocylis</i> spp.					288			
<i>Scrippsiella</i> sp.		5202		289				289
<i>Scrippsiella trochoidea</i>	4046	8092	3757	867				578
<i>Skeletonema costatum</i>	6936	4913	2023	1734				867
<i>Thalassionema nitzschioides</i>	578				288	160		289
<i>Thalassiosira anguste-lineata</i>	289	867		289	288		288	289
<i>Thalassiosira gravida</i>		289	1156	578	1584	400	1728	1734

<b>17-Jun-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassiosira nordenskiöldii</i>	4046	289	2890	4046	10368	120	720	3468
<i>Thalassiosira</i> sp. (tiny)	289	289		578	144			
<i>Thalassiosira</i> spp.	15606	9826	9826	22253	68976	9360	6336	12138
Tintinnida	6358	5202	4335	4046	1008	120	2160	1445
<i>Tintinnopsis beroidea</i>						120		
<i>Tintinnopsis</i> spp.		289		289				289
Unarmoured dinoflagellate	1156	2890	5780	4913	1872		1728	1445
<b>24-Jun-08</b>								
<i>Alexandrium fundyense</i>	74851	68782	20160	4464			960	21600
<i>Alexandrium fundyense</i> (duplet)	8092	289	3024	864				288
<i>Alexandrium fundyense</i> (planozygote)	3179	40749	864					1152
<i>Alexandrium fundyense</i> (quadruplet)	578		144					
<i>Alexandrium fundyense</i> (triplet)			144					
<i>Amphidinium sphenoides</i>	289				240	160	96	
<i>Amylax triacantha</i>	867		144					
<i>Apedinella radians</i>	867	578	1152				576	144
Armoured dinoflagellate	6069	13294	3744	1440	200	40	288	2304
<i>Asterionellopsis glacialis</i>				144		40		
<i>Attheya longicornis</i>			576					4032
<i>Aulacoseira ambigua</i>					40			
<i>Brachionus</i> spp.	289	1734						
<i>Calliacantha</i> sp.	289							144
<i>Ceratium horridum</i>	289			288				432
<i>Chaetoceros contortus</i>	289		864	144	120			2448
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	289	578	1008	144				144
<i>Chaetoceros debilis</i>	289	1734	2160	864	480		1536	2304
<i>Chaetoceros decipiens</i>					40		96	
<i>Chaetoceros furcellatus</i>				576	200	40		
<i>Chaetoceros laciniosus</i>	867	2312	4608	432	80	80	768	864
<i>Chaetoceros lorenzianus</i>						40		
<i>Chaetoceros pseudobrevis</i>						40		
<i>Chaetoceros radicans</i>					200	80	96	864
<i>Chaetoceros similis</i>			288					
<i>Chaetoceros socialis</i>				144	80			
<i>Chaetoceros</i> spp. (Hyalochaete)	3757	8959	8352	8064	1760	600	3264	13968
<i>Chaetoceros teres</i>	578							
Copepoda					80			
<i>Corethron hystrix</i>		289						144
<i>Cylindrotheca closterium</i>	5780	6936	7488	22032	1640	1000	3840	432
<i>Dictyocha speculum</i>				144				144
<i>Dinobryon</i> spp.		578	288	144			384	720
<i>Dinophysis acuminata</i>	1156		432	288				
<i>Dinophysis pulchella</i>	289		144					
<i>Ebria tripartita</i>							96	144
<i>Eucampia groenlandica</i>	289		144	432			480	
<i>Eucampia zodiacus</i>					80	80		
<i>Eutintinnus</i> sp.	289							288
<i>Eutreptiella</i> sp.							384	
<i>Favella</i> spp.							192	576

24-Jun-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Fragilaria</i> spp.				144				
<i>Guinardia delicatula</i>		289	432	288	40	40		864
<i>Gyrodinium</i> spp.		289		576	160		672	144
<i>Gyrosigma littorale</i>							96	
<i>Gyrosigma tenuissimum</i>	289							
<i>Helicostomella</i> spp.	5202	289		288			960	432
<i>Heterocapsa triquetra</i>	20808	14739	3744	1872			288	3888
<i>Laboea</i> sp.	289			288			288	
<i>Leptocylindrus danicus</i>	867		432	720	40		576	8208
<i>Leptocylindrus minimus</i>	867		432	288	80			
<i>Mediopyxis helysia</i>				144				
<i>Meringosphaera mediterranea</i>	578	289	288	432				
<i>Mesodinium rubrum</i>	23409		144	3888	280	40	7968	6768
<i>Micracanthodinium claytonii</i>						40		
<i>Navicula distans</i>	289				80			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			288				96	
<i>Paralia sulcata</i>						40		
Pennate diatom	289	867	144	144		40		
<i>Porosira glacialis</i>						80	96	
<i>Prorocentrum minimum</i>	2890	5202	3312	1296			384	1296
<i>Prorocentrum</i> sp. (small)		1156		144				432
<i>Protoperidinium americanum</i>		289						
<i>Protoperidinium bipes</i>							288	
<i>Protoperidinium brevipes</i>	1156	289	288					
<i>Protoperidinium</i> spp.	867						96	144
<i>Protoperidinium steinii</i>	578							
<i>Pseudo-nitzschia delicatissima</i>						160		
<i>Pseudo-nitzschia delicatissima</i> group	4624	7803	10368	9072	760		18816	11088
<i>Ptychocylis</i> spp.					40			
<i>Scrippsiella</i> sp.	289	2023	288					576
<i>Scrippsiella trochoidea</i>	1445	13294	1152	144			96	432
<i>Skeletonema costatum</i>	11849	66181	11232	8064	240	240	192	576
<i>Thalassionema nitzschioides</i>	289		288	288		40		
<i>Thalassiosira anguste-lineata</i>	867	289	288		40	160		
<i>Thalassiosira baltica</i>				144				
<i>Thalassiosira gravida</i>	578			144	80	120	768	
<i>Thalassiosira nordenskiöldii</i>	1445	578	3600	1872	80		96	
<i>Thalassiosira</i> sp. (tiny)	867	1156	4320	7920				
<i>Thalassiosira</i> spp.	11560	4046	4464	26496	7160	1320	11136	576
Tintinnida	1734	3757	288	1008	160	40	576	576
<i>Tintinnopsis beroidea</i>						80		
<i>Tintinnopsis</i> spp.				144				144
Unarmoured dinoflagellate	2601	5780	432	1872	160	40	1536	720
<b>2-Jul-08</b>								
<i>Alexandrium fundyense</i>	55296	460088	136408	33582	3840	360	120	13968
<i>Alexandrium fundyense</i> (cyst)						40		
<i>Alexandrium fundyense</i> (duplet)	4176	40460	5780	772	288			144
<i>Alexandrium fundyense</i> (fusing)				193				
<i>Alexandrium fundyense</i> (planozygote)	8064	58956	23120	4053	864	120		1008



2-Jul-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Alexandrium fundyense</i> (quadruplet)		2890						
<i>Alexandrium fundyense</i> (triplet)	144							
<i>Alexandrium ostenfeldii</i>		578						
<i>Amphidinium carterae</i>				193				
<i>Amphidinium sphenoides</i>				193			80	
<i>Amylax triacantha</i>			289					
<i>Apedinella radians</i>	1584	4624	867	579				288
Armoured dinoflagellate	2448	6936	7225	1737	384	40	240	1728
<i>Asterionellopsis glacialis</i>	144			772	672	120		
<i>Attheya longicornis</i>			4335	1351				1152
<i>Brachionus</i> spp.		289						
<i>Ceratium horridum</i>	288	289	578	386				
<i>Ceratium lineatum</i>								144
<i>Ceratium longipes</i>	432							
<i>Chaetoceros contortus</i>	288	289	867	386	480	80	80	864
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	288	867	289	579	288	40		
<i>Chaetoceros debilis</i>	1008	289	1445	1158	1056	40	640	5040
<i>Chaetoceros decipiens</i>					96			
<i>Chaetoceros filiformis</i>				193				
<i>Chaetoceros furcellatus</i>	144			579	192	80		
<i>Chaetoceros laciniosus</i>	144		289	193	96		40	576
<i>Chaetoceros pseudobrevis</i>			289				40	432
<i>Chaetoceros pseudocrinitus</i>				193	96			
<i>Chaetoceros radicans</i>			578	579	1632	120	40	864
<i>Chaetoceros similis</i>							40	
<i>Chaetoceros socialis</i>					576		160	
<i>Chaetoceros</i> spp. (Hyalochaete)	5616	3468	2601	7334	3840	680	960	12240
<i>Commation cryoporinum</i>	432							
Copepoda							40	
<i>Corethron hystrix</i>	432						40	
<i>Coscinodiscus radiatus</i>	144							
<i>Coscinodiscus</i> spp.						40		
<i>Cylindrotheca closterium</i>	9648	5780	7803	11001	10944	1160	1720	3168
<i>Dactyliosolen fragilissimus</i>	432	289			192			
<i>Dictyocha speculum</i>	432	867	578	193	96	40	40	288
<i>Dinophysis acuminata</i>	2736	3468	867	579	96		80	720
<i>Dinophysis fortii</i>			289					
<i>Dinophysis norvegica</i>	288	867	289	193			80	288
<i>Dinophysis pulchella</i>								144
<i>Ebria tripartita</i>								144
<i>Eucampia groenlandica</i>				193			40	144
<i>Eutintinnus</i> sp.		289	289					144
<i>Eutreptiella</i> sp.	432	1734	1445	579	96		520	144
<i>Favella</i> spp.		1734	289	386				144
<i>Gonyaulax digitale</i>	144							
<i>Guinardia delicatula</i>	432	578	289	579	288	80	200	576
<i>Gyrodinium</i> spp.	288	1156	578	386			80	144
<i>Helicostomella</i> spp.		867	289	579			200	144
<i>Heterocapsa triquetra</i>	1008	10693	10693	3667	288			2880

<b>2-Jul-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Laboea</i> sp.		578		386			40	
<i>Lennoxia faveolata</i>							40	
<i>Leptocylindrus danicus</i>	432	289		1158	576	80	200	1152
<i>Leptocylindrus minimus</i>	2160	1734		2123	192	80	480	720
<i>Mediopyxis helysia</i>				193		40		
<i>Meringosphaera mediterranea</i>		578	289					
<i>Mesodinium rubrum</i>	1728	15606	21675	5790	1344		2600	25056
<i>Navicula distans</i>	144							
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				193				
<i>Notholca</i> spp.							80	
Pennate diatom	432	578		579	480		160	144
<i>Porosira glacialis</i>	288				96	40		
<i>Prorocentrum minimum</i>	1008		1156	579				144
<i>Prorocentrum</i> sp. (small)					96			
<i>Protoperidinium bipes</i>								144
<i>Protoperidinium brevipes</i>	144	578						
<i>Protoperidinium conicum</i>		289						144
<i>Protoperidinium denticulatum</i>							80	
<i>Protoperidinium depressum</i>		289						
<i>Protoperidinium ovatum</i>		578						
<i>Protoperidinium</i> spp.	288	578		772		40		
<i>Protoperidinium steinii</i>	288	289		386				
<i>Pseudo-nitzschia delicatissima</i> group	4320	2890	3179	6369	5376	560	8600	4896
<i>Pseudo-nitzschia pseudodelicatissima</i>								144
<i>Pseudo-nitzschia seriata</i> group								144
<i>Pseudo-nitzschia subpacifica</i>					96			
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	144							
<i>Scrippsiella</i> sp.	288	578	1445	386				
<i>Scrippsiella trochoidea</i>	2016	2312	2601	193			40	432
<i>Skeletonema costatum</i>	6048	4046	3757	4053	3552	2160	200	432
<i>Thalassionema nitzschioides</i>		289			480			
<i>Thalassiosira anguste-lineata</i>	432	1156	289	579	288			144
<i>Thalassiosira baltica</i>				193				
<i>Thalassiosira gravida</i>			289	193	96		160	144
<i>Thalassiosira nordenskiöldii</i>	576			772	576	40		
<i>Thalassiosira</i> sp. (tiny)				386	192			
<i>Thalassiosira</i> spp.	8640	3757	2023	8492	6336	1400	2920	720
Tintinnida	1440	2890	3757	3667	384	80	640	4032
<i>Tintinnopsis</i> spp.				193	96		40	
Unarmoured dinoflagellate	1584	3757	867	3667	384	40	240	3168
<b>8-Jul-08</b>								
<i>Alexandrium fundyense</i>	240	720	3600	2160	160	80		80
<i>Alexandrium fundyense</i> (planozygote)		144	576		120	80		
<i>Amphidinium sphenoides</i>					80			
<i>Amylax triacantha</i>	80		144	144			40	
<i>Apedinella radians</i>	160	144	2592	4896			200	40
Armoured dinoflagellate	1280	576	2880	1440			200	320
<i>Asterionellopsis glacialis</i>	240	288		144	120	280	80	
<i>Attheya longicornis</i>	320	1440	144	1440				

8-Jul-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Aulacoseira ambigua</i>				432	240			
<i>Aulacoseira granulata</i>						40		
<i>Cerataulina pelagica</i>								200
<i>Ceratium fusus</i>				144				
<i>Ceratium horridum</i>			720	1008				240
<i>Ceratium lineatum</i>			144					
<i>Ceratium longipes</i>	80	288		144			40	320
<i>Chaetoceros contortus</i>	80	288	144	144	40	120		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	520	288	1584	1584				40
<i>Chaetoceros debilis</i>	120	720	144	864	80		160	
<i>Chaetoceros decipiens</i>		144						
<i>Chaetoceros laciniosus</i>	80							
<i>Chaetoceros pseudobrevis</i>	280				80			
<i>Chaetoceros radicans</i>	80	720	576	720	880			
<i>Chaetoceros similis</i>	80	1440	720	432			40	
<i>Chaetoceros socialis</i>							200	
<i>Chaetoceros</i> spp. (Hyalochaete)	1800	6768	9072	6624	880	440	360	40
<i>Chaetoceros teres</i>	40							
Copepoda	40		576					120
<i>Corethron hystrix</i>	120						40	
<i>Coscinodiscus wailesii</i>	40							
<i>Cylindrotheca closterium</i>	1840	4176	2160	8352	3120	1520	1560	3120
<i>Dactyliosolen fragilissimus</i>	240		144				40	
<i>Dictyochoa speculum</i>	240	576	2448	1728			120	640
<i>Dinobryon</i> spp.							40	
<i>Dinophysis acuminata</i>	160	1296	1584	2880			80	400
<i>Dinophysis acuta</i>	40							
<i>Dinophysis fortii</i>		144	288					40
<i>Dinophysis norvegica</i>	120	288	432	864				
<i>Ebria tripartita</i>		144					80	400
<i>Eucampia groenlandica</i>							160	
<i>Eutintinnus</i> sp.	40							
<i>Eutreptiella</i> sp.	920	4176	2448	1296		40	1680	1160
<i>Favella</i> spp.	40							80
<i>Fragilaria</i> spp.	40							40
<i>Guinardia delicatula</i>	2200	2592	4608	5760	160	280	360	
<i>Gyrodinium</i> spp.	160	144	576	288			80	160
<i>Helicostomella</i> spp.	400		1584	864			80	1880
<i>Heterocapsa triquetra</i>	1320	11664	65952	8496			2320	1200
<i>Laboea</i> sp.	280			144			120	40
<i>Leptocylindrus danicus</i>	160	576	576	144			80	
<i>Leptocylindrus minimus</i>	2280	4896	4176	6624		80	1360	440
<i>Mediopyxis helysia</i>	80				280	120		
<i>Melosira nummuloides</i>						40		
<i>Meringosphaera mediterranea</i>			144	144			40	
<i>Mesodinium rubrum</i>	2800	2304	18864	5040	360	40	6760	5840
<i>Notholca</i> spp.					40			
<i>Paralia sulcata</i>						40		
Pennate diatom	480	576	720	288	440	40	80	

<b>8-Jul-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pleurosigma angulatum</i>						40		
<i>Prorocentrum minimum</i>	120	1584	1584	1296	80		120	1040
<i>Prorocentrum</i> sp. (small)			432	144			40	40
<i>Protoperidinium brevipes</i>	240		576					160
<i>Protoperidinium depressum</i>			144					
<i>Protoperidinium ovatum</i>	40		144					
<i>Protoperidinium</i> spp.				144			80	
<i>Protoperidinium steinii</i>	160		144	144				80
<i>Pseudo-nitzschia delicatissima</i>					400	200		
<i>Pseudo-nitzschia delicatissima</i> group	2120	7632	2592	3744			6040	2640
<i>Ptychocylis</i> spp.					40			
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	40							
<i>Scrippsiella</i> sp.	480	1440	288				120	
<i>Scrippsiella trochoidea</i>	40	288	432				40	40
<i>Skeletonema costatum</i>	1880	7488	1008	1440		80	1360	
<i>Stephanopyxis turris</i>				144				
<i>Thalassionema nitzschioides</i>	80			144	120	80		
<i>Thalassiosira anguste-lineata</i>	280	720	144	288				
<i>Thalassiosira baltica</i>					80			
<i>Thalassiosira nordenskiöldii</i>	120	144						
<i>Thalassiosira</i> sp. (tiny)	320	144	288	144				
<i>Thalassiosira</i> spp.	8720	3024		2160	1800	560	2160	
Tintinnida	2120	5040	23760	4752	280		6200	4280
<i>Tintinnopsis beroidea</i>					160			
<i>Tintinnopsis</i> spp.						40	40	
Unarmoured dinoflagellate	1280	720	6624	1872	160		640	1360
<b>14-Jul-08</b>								
<i>Alexandrium fundyense</i>						280		
<i>Amphidinium carterae</i>					40			
<i>Amphidinium sphenoides</i>					40			
<i>Apedinella radians</i>	1296	3757	7514	5491				432
Armoured dinoflagellate	720	2312	2601	1156	40	80	864	2016
<i>Asterionellopsis glacialis</i>	576	578			200	240		
<i>Attheya longicornis</i>	144	289	3179					2160
<i>Cerataulina pelagica</i>	144		289				864	864
<i>Ceratium fusus</i>					40			
<i>Ceratium horridum</i>			578					
<i>Ceratium lineatum</i>								144
<i>Ceratium longipes</i>				289	40			432
<i>Chaetoceros contortus</i>	144	1445	289	2023	120	120		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	1440	1156	4624				144	144
<i>Chaetoceros debilis</i>	720	578	1734		40		288	432
<i>Chaetoceros decipiens</i>			289	289		40		
<i>Chaetoceros filiformis</i>		289					432	
<i>Chaetoceros laciniosus</i>							144	144
<i>Chaetoceros pseudobrevis</i>					80	280		
<i>Chaetoceros radicans</i>		578	289	2023	320	320		144
<i>Chaetoceros similis</i>	3024	5202	4335	2890			1440	1008
<i>Chaetoceros socialis</i>	1296		1445	1156	120	360		144

<b>14-Jul-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Chaetoceros</i> spp. (Hyalochaete)	8064	38726	30056	22253	1160	520	864	3600
Copepoda	144		289		40			
<i>Corethron hystrix</i>	144					80		288
<i>Coscinodiscus</i> spp.							144	
<i>Coscinodiscus wailesii</i>	144							
<i>Cylindrotheca closterium</i>	1008	2312	3179	9248	5520	1040	15840	1008
<i>Dactyliosolen fragilissimus</i>	144			289	80	80		
<i>Dictyocha speculum</i>	576	1156	1734	867			144	2160
<i>Dinophysis acuminata</i>	288	2601	578		160	240	288	1008
<i>Dinophysis dens</i>								432
<i>Dinophysis fortii</i>								144
<i>Dinophysis norvegica</i>	288			578				864
<i>Ebria tripartita</i>							144	1296
<i>Entomoneis</i> spp.				2023		200		
<i>Eucampia groenlandica</i>		578						864
<i>Eucampia zodiacus</i>			289				864	
<i>Eutreptiella</i> sp.	1296	578	2890	289		40	432	3168
<i>Guinardia delicatula</i>	11088	13872	7225	8381	1920	760	3456	11088
<i>Gyrodinium</i> spp.		578	867		80		144	1296
<i>Helicostomella</i> spp.		289	867					1008
<i>Heterocapsa triquetra</i>	3456	6358	31212	1734			1440	5328
<i>Laboea</i> sp.	144			289				144
<i>Lennoxia faveolata</i>		289						
<i>Leptocylindrus danicus</i>	576	1156	289	289	160	80		288
<i>Leptocylindrus minimus</i>	12096	49708	31501	29767	200	760	10224	1296
<i>Licmophora</i> spp.				289				
<i>Mediopyxis helysia</i>			289	289	360	320		
<i>Membraneis challengeri</i>					40			
<i>Mesodinium rubrum</i>	11088	14161	13005	4335	40		23184	13248
<i>Navicula distans</i>						40		
<i>Navicula transitans</i> var. <i>derasa</i>				867	40			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				1445	80			
Pennate diatom	720	2312		1734	2480	80	576	576
<i>Pleurosigma angulatum</i>							144	144
<i>Prorocentrum minimum</i>	864	289	289	1734	40		144	1152
<i>Prorocentrum</i> sp. (small)	144	289						
<i>Protoperidinium brevipes</i>		578						
<i>Protoperidinium</i> spp.		289	289					576
<i>Protoperidinium steinii</i>	144							
<i>Pseudo-nitzschia americana</i>				867				
<i>Pseudo-nitzschia delicatissima</i>						240		
<i>Pseudo-nitzschia delicatissima</i> group	3312	1445	2312	6647	760		15120	16560
<i>Pseudo-nitzschia seriata</i> group		289	578	289				
<i>Salpingella</i> spp.	144	289						
<i>Scrippsiella</i> sp.	288		289					
<i>Scrippsiella trochoidea</i>	288							
<i>Skeletonema costatum</i>	7920	28900	21097	1156			7632	2016
<i>Tabellaria</i> spp.					40			
<i>Thalassionema nitzschioides</i>	144	867		1156	240	40	144	144

<b>14-Jul-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassiosira anguste-lineata</i>	576	867	867	867		40		
<i>Thalassiosira baltica</i>						40		
<i>Thalassiosira bioculata</i> var. <i>exigua</i>				289				
<i>Thalassiosira gravida</i>							432	144
<i>Thalassiosira nordenskiöldii</i>	144							
<i>Thalassiosira</i> sp. (tiny)	1440	578		867			2448	576
<i>Thalassiosira</i> spp.	9792	5780	3179	2312	5240	760	4608	2592
Tintinnida	7344	8092	7514	6647	400	200	4896	13248
<i>Tintinnopsis beroidea</i>						120		
<i>Tintinnopsis</i> spp.							144	
Unarmoured dinoflagellate	3600	3468	1445	3179	40	80	1728	7776
<b>22-Jul-08</b>								
<i>Alexandrium fundyense</i>				144				
<i>Amphidinium carterae</i>						96		
<i>Amphidinium sphenoides</i>						96		
<i>Amylax triacantha</i>								40
<i>Apedinella radians</i>			578	144			432	
Armoured dinoflagellate	1445	4046	2601	720	288		576	1280
<i>Attheya longicornis</i>	1156	3179	578				1440	840
<i>Aulacoseira ambigua</i>				144				
<i>Biddulphia alternans</i>						40		
Centric diatom					96			
<i>Cerataulina pelagica</i>		1734		720		40	1440	600
<i>Ceratium fusus</i>							144	
<i>Ceratium horridum</i>	289		289	144				
<i>Ceratium lineatum</i>		1445		144			144	120
<i>Ceratium longipes</i>				432		40		240
<i>Chaetoceros contortus</i>			289	288	96			40
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	6069	6647	3179				288	400
<i>Chaetoceros danicus</i>				144				
<i>Chaetoceros debilis</i>	289			288			144	80
<i>Chaetoceros decipiens</i>					192	80		40
<i>Chaetoceros pseudobrevis</i>				864	1248	440		
<i>Chaetoceros radicans</i>				144	192	120		40
<i>Chaetoceros similis</i>	2890	2023	4335	2880	384	80	576	320
<i>Chaetoceros socialis</i>	13583	4335	8381	2448	2400		2448	3400
<i>Chaetoceros</i> spp. (Hyalochaete)	9248	19363	7514	1872	1248	1120	720	480
<i>Commation cryoporinum</i>								40
Copepoda				576		40		40
<i>Corethron hystrix</i>		867	289			40		80
<i>Coscinodiscus radiatus</i>						40		
<i>Coscinodiscus</i> spp.								80
<i>Cylindrotheca closterium</i>	1445	1445	867	576	4512	520	3024	640
<i>Dactyliosolen fragilissimus</i>		289			96	40	288	80
<i>Dictyocha speculum</i>			289	144			2448	1480
<i>Dinophysis acuminata</i>	1734	578	2312	576				1640
<i>Dinophysis acuta</i>								160
<i>Dinophysis dens</i>								80
<i>Dinophysis fortii</i>				144				40

22-Jul-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dinophysis norvegica</i>	289	867	289				288	400
<i>Dinophysis pulchella</i>								240
<i>Dinophysis rotundata</i>				144				
<i>Ebria tripartita</i>	5491	6069	4046	2592	96		1872	2000
<i>Entomoneis</i> spp.					576	400		
<i>Eutreptiella</i> sp.	578	289	867	720	288		1152	400
<i>Favella</i> spp.								40
<i>Gonyaulax digitale</i>	289	289						
<i>Guinardia delicatula</i>	9537	10404	9248	8352	3648	1800	25344	14320
<i>Gyrodinium</i> spp.	289		578	432	192		144	240
<i>Helicostomella</i> spp.	1734	5491	289					240
<i>Heterocapsa triquetra</i>	11560	13005	12138	1440			1008	2040
<i>Laboea</i> sp.				576	192		288	80
<i>Leptocylindrus danicus</i>		289				40	144	
<i>Leptocylindrus minimus</i>	114444	199410	55777	69264	14208	3800	8208	5880
<i>Mediopyxis helysia</i>					96	160		
<i>Meringosphaera mediterranea</i>	289	289					144	
<i>Mesodinium rubrum</i>	2601	3179	9248	1440	1056	280	8064	3360
<i>Micracanthodinium claytonii</i>			578					
<i>Navicula distans</i>	578		289			120		120
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>						40		
<i>Parafavella</i> spp.								40
Pennate diatom	578	1445		1008	480	40		80
<i>Pleurosigma angulatum</i>		289						40
<i>Polykrikos</i> spp.					192			
<i>Prorocentrum minimum</i>	4913	4913	1445			80	576	320
<i>Protoperidinium bipes</i>				144				80
<i>Protoperidinium brevipes</i>								80
<i>Protoperidinium conicum</i>							144	
<i>Protoperidinium ovatum</i>	289							
<i>Protoperidinium</i> spp.		578	289					
<i>Protoperidinium steinii</i>	289	578						120
<i>Pseudo-nitzschia delicatissima</i>								2760
<i>Pseudo-nitzschia delicatissima</i> group	3468	2023	867	1584	480	360	6768	
<i>Pseudo-nitzschia pseudodelicatissima</i>	578						1008	1360
<i>Pseudo-nitzschia seriata</i> group		289			96			
<i>Scrippsiella</i> sp.	289		289	144				
<i>Scrippsiella trochoidea</i>			289					
<i>Skeletonema costatum</i>	1445	867	289	144	192	40		40
<i>Thalassionema nitzschioides</i>					384	360		40
<i>Thalassiosira anguste-lineata</i>		1156	289	288				
<i>Thalassiosira gravida</i>						40	288	40
<i>Thalassiosira punctigera</i>						40		
<i>Thalassiosira</i> spp.	289	578	578	1008	192	280	144	40
Tintinnida	2023	4913	23987	1584	480	480	2880	3120
<i>Tintinnopsis beroidea</i>				144	768	200		
<i>Tintinnopsis</i> spp.							144	
Unarmoured dinoflagellate	5202	10115	6069	1584	768	120	3024	1680

29-Jul-08	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Armoured dinoflagellate	4913	2890	2016	432	80		432	4335
<i>Asterionellopsis glacialis</i>						40		
<i>Calliacantha</i> sp.	289							
<i>Cerataulina pelagica</i>	867	1156	864	1008	40		720	289
<i>Ceratium horridum</i>		289						289
<i>Ceratium lineatum</i>	289	1156						
<i>Ceratium longipes</i>	289	578	288	576	40			
<i>Chaetoceros affinis</i>					80			
<i>Chaetoceros contortus</i>					40			
<i>Chaetoceros debilis</i>				288	40			
<i>Chaetoceros pseudobrevis</i>				288	480			
<i>Chaetoceros similis</i>			144	144	120			
<i>Chaetoceros socialis</i>	5780	8670	5328	3168	5360	80	144	
<i>Chaetoceros</i> spp. (Hyalochaete)	1445	2890	144	1152	160	280		
<i>Corethron hystrix</i>		289	144	288	160			
<i>Coscinodiscus</i> spp.	578							
<i>Cylindrotheca closterium</i>			288	288	1000	120	144	
<i>Dactyliosolen fragilissimus</i>			144				144	
<i>Dictyocha speculum</i>	867	1734	144	144			1584	11849
<i>Dinophysis acuminata</i>	578	1734	288	288	320		144	4624
<i>Dinophysis acuta</i>		289						
<i>Dinophysis dens</i>		289						
<i>Dinophysis fortii</i>								289
<i>Dinophysis norvegica</i>	289	867		144				
<i>Dinophysis pulchella</i>								289
<i>Dinophysis rotundata</i>							144	
<i>Ebria tripartita</i>	4624	6936	8064	4752			1728	9248
<i>Eutreptiella</i> sp.	867	1445	144	144	40		864	867
<i>Gonyaulax digitale</i>	578	289	288					578
<i>Gonyaulax spinifera</i>	289							578
<i>Guinardia delicatula</i>	16184	26299	57024	45504	6360	1240	51408	30056
<i>Gyrodinium</i> spp.	289				120		144	
<i>Helicostomella</i> spp.	578	2601	288	144			288	3757
<i>Heterocapsa triquetra</i>	25143	21964	14112	144			1584	22831
<i>Laboea</i> sp.		289		144	120		144	
<i>Leptocylindrus minimus</i>	289				520	40	432	
<i>Membraneis challengeri</i>			144					
<i>Mesodinium rubrum</i>	288422	20808	576	2304			7920	31212
<i>Micracanthodinium claytonii</i>	578		432					
<i>Navicula distans</i>					40	40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				144	40			
<i>Paralia sulcata</i>						40		
Pennate diatom		578	288	288	40			289
<i>Pleurosigma angulatum</i>							144	
<i>Prorocentrum minimum</i>	3468	4046	2304	720			288	2023
<i>Protoperidinium bipes</i>					40			
<i>Protoperidinium brevipes</i>	289							289
<i>Protoperidinium</i> spp.		578	288				144	
<i>Protoperidinium steinii</i>				144				







<b>5-Aug-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
Unarmoured dinoflagellate	4896	6048	22253	7514	440	40	420	3264
<b>12-Aug-08</b>								
<i>Actinoptychus senarius</i>							144	
<i>Amylax triacantha</i>				578				1156
<i>Apedinella radians</i>	2890	725					144	578
Armoured dinoflagellate	57800	8700	46240	2890	120	320	3312	8670
<i>Asterionellopsis glacialis</i>	2890	725	2890	867	40			
<i>Cerataulina pelagica</i>	13005	7250	14450	6647	760	160		578
<i>Ceratium lineatum</i>		725		1156	40		720	2312
<i>Ceratium longipes</i>					40		144	578
<i>Chaetoceros constrictus</i>						920		
<i>Chaetoceros contortus</i>		4350	5780	3757	40	40		
<i>Chaetoceros convolutus</i>						40		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	11560	13050	23120			40		
<i>Chaetoceros didymus</i>				578				
<i>Chaetoceros filiformis</i>	7225	1450	2890					
<i>Chaetoceros laciniosus</i>	1445	4350		1734				
<i>Chaetoceros lorenzianus</i>		725		578				578
<i>Chaetoceros pseudobrevis</i>				14161	2280			
<i>Chaetoceros radicans</i>	1445					80		
<i>Chaetoceros similis</i>	13005	10875	2890	1445			288	
<i>Chaetoceros socialis</i>	7225	14500	72250		360	400		
<i>Chaetoceros</i> spp. (Hyalochaete)	95370	42775	132940	11271	1080	960	144	2312
<i>Chaetoceros subtilis</i>		725						
<i>Chrysochromulina parkeae</i>		2175						
<i>Commation cryoporinum</i>				289				
Copepoda					40		288	1156
<i>Corethron hystrix</i>			2890	867	80	40	144	
<i>Coscinodiscus concinnus</i>				289				
<i>Cylindrotheca closterium</i>	30345	5800	8670	2601	1200	520		1734
<i>Dactyliosolen fragilissimus</i>	4335	1450	2890		40	80		
<i>Dictyocha speculum</i>		725					22608	24276
<i>Dinophysis acuminata</i>	1445	725	5780	289			144	10982
<i>Dinophysis fortii</i>								578
<i>Dinophysis norvegica</i>							288	1156
<i>Dinophysis rotundata</i>								578
<i>Ditylum brightwellii</i>	1445		8670	289				
<i>Ebria tripartita</i>	1445			289	40		1152	7514
<i>Entomoneis</i> spp.					80	200		
<i>Eucampia zodiacus</i>				289				
<i>Eutreptiella</i> sp.							1872	2890
<i>Favella</i> spp.							144	
<i>Gonyaulax digitale</i>							432	578
<i>Gonyaulax spinifera</i>	2890			578			288	2312
<i>Guinardia delicatula</i>	1445		2890	1734	680	1200		
<i>Gyrodinium aureolum</i>	4335	2900						4624
<i>Gyrodinium</i> spp.	5780	4350	5780		400			1734
<i>Helicostomella</i> spp.	7225		20230	1156			288	7514
<i>Heterocapsa triquetra</i>	8670	4350	8670				144	1734



19-Aug-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros affinis</i>					289		40	
<i>Chaetoceros contortus</i>		1445	8670	578	867	40		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	2175	5780	8670			40	80	1450
<i>Chaetoceros didymus</i>	3625	4335		1734	1156	40		
<i>Chaetoceros filiformis</i>	5075	2890	8670					725
<i>Chaetoceros furcellatus</i>					289			
<i>Chaetoceros laciniosus</i>	2900	7225	4335				200	2175
<i>Chaetoceros lorenzianus</i>						40	120	6525
<i>Chaetoceros pseudobrevis</i>					3468	280		
<i>Chaetoceros radicans</i>					289			
<i>Chaetoceros similis</i>	4350	10115	2890			40	160	2900
<i>Chaetoceros socialis</i>	8700	7225	10115		578	440	120	12325
<i>Chaetoceros</i> spp. (Hyalochaete)	39875	49130	65025	39304	4913	600	280	34800
<i>Chrysochromulina parkeae</i>	725	1445	1445					
<i>Commation cryoporinum</i>					578	40		
Copepoda							40	
<i>Corethron hystrix</i>	725		1445	1734	578	40		2900
<i>Cylindrotheca closterium</i>	14500	7225	5780	5780	4913	760	440	10150
<i>Dactyliosolen fragilissimus</i>		1445	2890	578				
<i>Dictyocha speculum</i>			1445	578			880	31900
<i>Dinophysis acuminata</i>				1156			40	9425
<i>Dinophysis norvegica</i>			1445				40	725
<i>Ditylum brightwellii</i>	3625	2890	4335	4046	289			
<i>Ebria tripartita</i>	725		2890				40	13775
<i>Eutreptiella</i> sp.	725				578		440	2175
<i>Gonyaulax digitale</i>	725							
<i>Gonyaulax spinifera</i>	725	2890						
<i>Guinardia delicatula</i>		1445	1445	578			40	
<i>Gyrodinium aureolum</i>			1445					
<i>Gyrodinium</i> spp.	1450	1445	4335	578	289		40	
<i>Helicostomella</i> spp.	1450	1445		1734	289			
<i>Heterocapsa triquetra</i>	725	7225	2890					1450
<i>Laboea</i> sp.	725			578				
<i>Lennoxia faveolata</i>							40	
<i>Leptocylindrus danicus</i>			1445					
<i>Leptocylindrus minimus</i>	81925	171955	89590	12716	9248	600	440	22475
<i>Membraneis challengeri</i>	725				289			
<i>Mesodinium rubrum</i>	1450	7225	4335		867	240	1760	10875
<i>Micracanthodinium claytonii</i>			1445					
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	1450					40		1450
Pennate diatom	725			5780	3468	160		725
<i>Pleurosigma angulatum</i>							40	
<i>Prorocentrum micans</i>							40	
<i>Prorocentrum minimum</i>	725	4335	1445	3468				2175
<i>Protoperidinium brevipes</i>							40	
<i>Protoperidinium</i> spp.			1445				40	725
<i>Pseudo-nitzschia americana</i>							40	
<i>Pseudo-nitzschia delicatissima</i>							1680	
<i>Pseudo-nitzschia delicatissima</i> group	702270	976820	1500300	342754				734060

<b>19-Aug-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia fraudulenta</i>	5075				289			
<i>Pseudo-nitzschia pseudodelicatissima</i>					123692	22760	5000	
<i>Pseudo-nitzschia pungens</i>						40		2175
<i>Pseudo-nitzschia seriata</i>				578	289			
<i>Pseudo-nitzschia seriata</i> group		7225	4335			40	80	5075
<i>Pseudo-nitzschia turgidula</i>				578				
<i>Scrippsiella</i> sp.	7975	27455	10115	1734				3625
<i>Scrippsiella trochoidea</i>							80	1450
<i>Skeletonema costatum</i>	72500	127160	150280	31212	10693	320	440	20300
<i>Stephanopyxis turris</i>	725					40		1450
<i>Thalassionema nitzschioides</i>	5800	2890	5780	5780	2023	920		2175
<i>Thalassiosira anguste-lineata</i>				578				
<i>Thalassiosira baltica</i>				1156	289	160		
<i>Thalassiosira gravida</i>			5780			80		
<i>Thalassiosira nordenskiöldii</i>		1445						
<i>Thalassiosira punctigera</i>				1156				
<i>Thalassiosira</i> sp. (tiny)	2175	4335	11560	1734	1445			2900
<i>Thalassiosira</i> spp.	38425	14450	47685	54332	27166	320	200	10875
Tintinnida	4350	10115	13005	2312	1445		440	7250
<i>Tintinnopsis</i> spp.							40	725
Unarmoured dinoflagellate	3625	2890	5780	1734	867		80	2900
<b>26-Aug-08</b>								
<i>Alexandrium fundyense</i>				578				
<i>Amphidinium sphenoides</i>		10875	9425	7514	5491		288	5800
<i>Amylax triacantha</i>	1445							725
<i>Apedinella radians</i>	1445	725	725					
Armoured dinoflagellate	7225	7250	7250	578	1156		288	2175
<i>Asterionellopsis glacialis</i>	5780	2900	725	5780	3757	1728	144	2900
<i>Attheya longicornis</i>		5800	3625					
<i>Calliacantha</i> sp.			725					
<i>Cerataulina pelagica</i>	7225	2900	7975	1156	1156	432	864	2900
<i>Ceratium lineatum</i>		725						4350
<i>Chaetoceros affinis</i>					289	288		
<i>Chaetoceros contortus</i>		3625		1156				725
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	4335	5075	2900					
<i>Chaetoceros debilis</i>							144	
<i>Chaetoceros decipiens</i>				578				
<i>Chaetoceros diadema</i>							144	
<i>Chaetoceros didymus</i>		1450	725	3468	578	288	1152	2175
<i>Chaetoceros filiformis</i>	4335		2900					
<i>Chaetoceros lacinosus</i>	2890	2175	4350	1156			144	2900
<i>Chaetoceros lorenzianus</i>	2890	5800					720	17400
<i>Chaetoceros pseudobrevis</i>			725			1008		
<i>Chaetoceros radicans</i>						144		
<i>Chaetoceros similis</i>	4335	6525	2900	578	289		432	
<i>Chaetoceros socialis</i>	70805	64525	65250	4624	1445	576	10368	35525
<i>Chaetoceros</i> spp. (Hyalochaete)	5780	24650	13050	7514	27455	2304	4320	26100
<i>Chaetoceros subtilis</i>			725					
<i>Chrysochromulina parkeae</i>		2175	4350					

<b>26-Aug-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Corethron hystrix</i>	1445	725		1156		864	288	725
<i>Cylindrotheca closterium</i>	17340	4350	725	7514	10982	2448	1584	1450
<i>Dactyliosolen fragilissimus</i>	2890	4350	2900	578	289	144	144	3625
<i>Dictyocha speculum</i>	1445	725	1450	1156	1156		1440	10150
<i>Dinobryon</i> spp.		2175	1450					
<i>Dinophysis acuminata</i>			1450	578				5800
<i>Dinophysis norvegica</i>							288	
<i>Ditylum brightwellii</i>	7225	7250	1450	2312	3468	864		725
<i>Ebria tripartita</i>		725	725	578		144	432	9425
<i>Entomoneis</i> spp.					6358	1584		
<i>Eucampia zodiacus</i>	2890	725						
<i>Eutreptiella</i> sp.	4335	3625	725	578			1008	5075
<i>Gonyaulax spinifera</i>			725					
<i>Guinardia delicatula</i>	2890		725			576		
<i>Guinardia flaccida</i>								1450
<i>Gyrodinium aureolum</i>			725					
<i>Gyrodinium</i> spp.	1445		2175	1734	289		144	725
<i>Helicostomella</i> spp.								725
<i>Heterocapsa triquetra</i>		1450	725					725
<i>Laboea</i> sp.								1450
<i>Leptocylindrus danicus</i>				2312	578		288	2175
<i>Leptocylindrus mediterraneus</i>		725						
<i>Leptocylindrus minimus</i>	2890	5075		578		864	1440	1450
<i>Mesodinium rubrum</i>	4335	5075	2900		1156	288	7200	7250
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	4335	725		578	2601		288	725
<i>Paralia sulcata</i>					289			
Pennate diatom	2890	7975	5800		867	720	576	
<i>Porosira glacialis</i>					289			
<i>Prorocentrum minimum</i>			1450					
<i>Protoperidinium bipes</i>		725	725	578	289			
<i>Protoperidinium</i> spp.		725					144	
<i>Pseudo-nitzschia delicatissima</i>							432	
<i>Pseudo-nitzschia delicatissima</i> group		479740			1445			855440
<i>Pseudo-nitzschia fraudulenta</i>	1445	2900	4350	5202	867	288		1450
<i>Pseudo-nitzschia pseudodelicatissima</i>	332350		351135	187272	216710	65603	49104	
<i>Pseudo-nitzschia pungens</i>		725	725			288	5184	2900
<i>Pseudo-nitzschia seriata</i>			725	578			288	1450
<i>Pseudo-nitzschia seriata</i> group	1445	725	725	1734	1734		576	33350
<i>Pseudo-nitzschia subpacific</i>		2175					144	
<i>Pseudo-nitzschia turgidula</i>				2890				
<i>Scrippsiella</i> sp.	1445	725	8700				144	
<i>Scrippsiella trochoidea</i>				1156			144	2175
<i>Skeletonema costatum</i>	39015	26825	5800	6358	19363	4752	1008	725
<i>Stephanopyxis turris</i>		725		3468	578	144	144	2175
<i>Thalassionema nitzschioides</i>	4335			6358	5491	3312		2175
<i>Thalassiosira anguste-lineata</i>	1445							
<i>Thalassiosira baltica</i>						432		
<i>Thalassiosira gravida</i>	1445	725	1450	1156		288		
<i>Thalassiosira nordenskiöldii</i>			725					

<b>26-Aug-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassiosira punctigera</i>					289			
<i>Thalassiosira</i> sp. (tiny)	1445	1450		578	2601	1008		
<i>Thalassiosira</i> spp.	46240	13050	9425	43928	69938	30816	1152	
Tintinnida	2890	4350	8700	1734	289	720	1728	25375
Unarmoured dinoflagellate		1450		1734	2023	432	144	5075
<b>2-Sep-08</b>								
<i>Alexandrium fundyense</i>	193			289				
<i>Alexandrium fundyense</i> (cyst)				289				
<i>Amphidinium carterae</i>							288	
<i>Amphidinium sphenoides</i>	579	2123	1544	289	578	432		1156
<i>Apedinella radians</i>	386		772					
Armoured dinoflagellate	1351	8106	6948	3757	289	144	1008	867
<i>Asterionellopsis glacialis</i>	193	772	772	867	578	864		867
<i>Attheya longicornis</i>	193		193					1734
<i>Cerataulina pelagica</i>	1158	386	1158	578	289	288	576	1445
<i>Ceratium lineatum</i>	386	2316	2702	2601			144	
<i>Chaetoceros contortus</i>	579	579		578	867	288		289
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	772	579	579					289
<i>Chaetoceros debilis</i>		579	386		289	144	288	867
<i>Chaetoceros decipiens</i>				2312	1445	144		289
<i>Chaetoceros didymus</i>		193	193					578
<i>Chaetoceros filiformis</i>		193						
<i>Chaetoceros lacinosus</i>	579	1158	1544	578			432	578
<i>Chaetoceros lorenzianus</i>	965	1158	2123					289
<i>Chaetoceros pseudobrevis</i>						144		
<i>Chaetoceros similis</i>	193	193	1737		289		144	289
<i>Chaetoceros socialis</i>	12931	17563	14861	4335			11520	44506
<i>Chaetoceros</i> spp. (Hyalochaete)	4053	5211	3860	16473	7225	2880	1728	8381
<i>Chrysochromulina parkeae</i>	193		386					
<i>Commation cryoporinum</i>		193						
<i>Corethron hystrix</i>	579	579	579	578	289	576	432	
<i>Cylindrotheca closterium</i>	5018	3088	2509	2312	3179	2016	720	3179
<i>Dactyliosolen fragilissimus</i>	579	965	772	867	289	576		2890
<i>Dictyocha speculum</i>	386	1351	965	578	289		864	1445
<i>Dinophysis acuminata</i>	579	386	579	1734				578
<i>Dinophysis dens</i>		193		289				
<i>Dinophysis</i> spp.			193					
<i>Ditylum brightwellii</i>	11194	10036	13510	14450	3757	4176		1156
<i>Ebria tripartita</i>		193	193					289
<i>Entomoneis</i> spp.						432		
<i>Eucampia zodiacus</i>			193					
<i>Eutreptiella</i> sp.	1158	965	193	289			720	
<i>Favella</i> spp.		193						
<i>Gonyaulax digitale</i>			386					
<i>Gonyaulax spinifera</i>			193					
<i>Grammatophora marina</i>		386						
<i>Guinardia delicatula</i>		1158	1544				144	289
<i>Guinardia striata</i>						144		
<i>Gyrodinium</i> spp.		386	386	289				289



2-Sep-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Helicostomella</i> spp.	386		386					
<i>Heterocapsa triquetra</i>	193	1544	965	289				
<i>Laboea</i> sp.	193			289			144	
<i>Lennoxia faveolata</i>	386	193						
<i>Leptocylindrus danicus</i>	386			1734		576	144	
<i>Leptocylindrus mediterraneus</i>	772	1351	2895	578				289
<i>Leptocylindrus minimus</i>	1544	2509	1544	2890	867	288	576	867
<i>Mediopyxis helysia</i>					289	144		
<i>Membraneis challengeri</i>			193					
<i>Meringosphaera mediterranea</i>	193							
<i>Mesodinium rubrum</i>	3088	1930	9264	578	289	288	4464	1445
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	1158	965	772		578	432	144	
Pennate diatom	579	965	193			432		
<i>Pleurosigma strigosum</i>		193						
<i>Polykrikos</i> spp.	193		193	289				
<i>Prorocentrum minimum</i>	193	386	772					867
<i>Prorocentrum</i> sp. (small)			386				144	
<i>Protoperidinium bipes</i>			193					578
<i>Protoperidinium</i> spp.	386	193	193	867				
<i>Protoperidinium steinii</i>						144		
<i>Pseudo-nitzschia americana</i>	193						144	
<i>Pseudo-nitzschia delicatissima</i>	193						864	
<i>Pseudo-nitzschia delicatissima</i> group		22774	21037	2312				116178
<i>Pseudo-nitzschia fraudulentula</i>		6176	7141	2312	1156	432		4913
<i>Pseudo-nitzschia pseudodelicatissima</i>	39372		965	14450	50575	28080	24768	
<i>Pseudo-nitzschia pungens</i>	8492	16598	9071	15895	11560	4320	6192	27455
<i>Pseudo-nitzschia seriata</i>	1544	193	579	1445	289			867
<i>Pseudo-nitzschia seriata</i> group	2509	579	3474	15317	1445		864	3179
<i>Pseudo-nitzschia subpacificia</i>	2123	2316	1351	289	289		144	289
<i>Pseudo-nitzschia turgidula</i>				3468	867	1872	144	
<i>Rhizosolenia setigera</i>								289
<i>Scrippsiella</i> sp.	1737	1930	11001	867				289
<i>Scrippsiella trochoidea</i>			1351				144	
<i>Skeletonema costatum</i>	193		193			576	432	289
<i>Stephanopyxis turris</i>	965	1737	1737	1734	1734	144	720	3179
Strobilididae					289			
<i>Thalassionema nitzschioides</i>	193	386			867	2160	720	289
<i>Thalassiosira anguste-lineata</i>	193	193	193	578	867	288		
<i>Thalassiosira baltica</i>		579				1152		
<i>Thalassiosira bioculata</i>	193	579	1158	289				
<i>Thalassiosira gravida</i>	1351	2316	2316	2312	867	288	288	289
<i>Thalassiosira nordenskiöldii</i>					289			
<i>Thalassiosira punctigera</i>	193	193				144		
<i>Thalassiosira</i> sp. (tiny)		579		289	289			
<i>Thalassiosira</i> spp.	8106	7141	4439	14739	12138	11952	576	2890
Tintinnida	965	2895	1737	1156	578	1008	288	578
<i>Tintinnopsis beroidea</i>						144		
<i>Tintinnopsis</i> spp.							144	
Unarmoured dinoflagellate	1351	2316	2509	1734	867	720	288	

9-Sep-08	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Alexandrium fundyense</i>				289				
<i>Amphidinium carterae</i>	144							
<i>Amphidinium sphenoides</i>		289	3179	1156	578			578
<i>Apedinella radians</i>	288	578	578				193	578
Armoured dinoflagellate	2160	15606	23987	867	578		290	10982
<i>Asterionellopsis glacialis</i>						864		
Centric diatom					1156			
<i>Cerataulina pelagica</i>		289	289					289
<i>Ceratium lineatum</i>	9216	14739	13583				965	5202
<i>Ceratium</i> spp.	144							
<i>Chaetoceros contortus</i>		1445	578	289	578	432		867
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	144							
<i>Chaetoceros debilis</i>	288	3179	1156	1445		144	579	
<i>Chaetoceros decipiens</i>						1728		289
<i>Chaetoceros didymus</i>					578			
<i>Chaetoceros lacinosus</i>		578		578			193	
<i>Chaetoceros lorenzianus</i>	1152	2601	867	2312	5780		386	1156
<i>Chaetoceros similis</i>	288	578			289		1158	578
<i>Chaetoceros socialis</i>		15895	23987	23698			29336	32368
<i>Chaetoceros</i> spp. (Hyalochaete)	1152	2890	5780	7514	13005	2592	2895	4046
<i>Chrysochromulina parkeae</i>			578					
Copepoda	288							
<i>Corethron hystrix</i>		289			867	288	386	289
<i>Coscinodiscus wailesii</i>						144		
<i>Cylindrotheca closterium</i>	1008	2312	1734	867	5202	1152	1351	289
<i>Dactyliosolen fragilissimus</i>		578		3757		288	3474	1734
<i>Dictyocha speculum</i>	432	578		2601				289
<i>Dinophysis acuminata</i>	288	1445	1445	289				7514
<i>Dinophysis fortii</i>			289					
<i>Dinophysis</i> spp.			289					
<i>Ditylum brightwellii</i>	1008	5491	1734	3179	6647	8784	965	867
<i>Ebria tripartita</i>	144	289						578
<i>Entomoneis</i> spp.						1152		
<i>Eucampia zodiacus</i>	288							
<i>Eutreptiella</i> sp.	4320	1156	1445				1930	289
<i>Gonyaulax digitale</i>			578					
<i>Gonyaulax spinifera</i>								289
<i>Guinardia delicatula</i>	432			578	1156	432	965	1156
<i>Gyrodinium aureolum</i>			1445					289
<i>Gyrodinium</i> spp.	144	578	2023	1445		288	193	289
<i>Gyrosigma littorale</i>		289						
<i>Heterocapsa triquetra</i>	720	1734	5202				193	11849
<i>Laboea</i> sp.		289	289				579	
<i>Lennoxia faveolata</i>	144	867	7225	289				
<i>Leptocylindrus danicus</i>	288			289	2023	288	193	
<i>Leptocylindrus mediterraneus</i>		1156	1734	2601	578			
<i>Leptocylindrus minimus</i>	1584	4046	10693	1156	1156	432	1351	1445
<i>Mesodinium rubrum</i>	8640	2023	10982	1156		576	5983	23409
<i>Micracanthodinium claytonii</i>		289						

<b>9-Sep-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	144	578	289		578			
<i>Paralia sulcata</i>						144		
Pennate diatom	288	867		1156	1156		772	
<i>Pleurosigma strigosum</i>				289		144		
<i>Polykrikos</i> spp.							193	
<i>Prorocentrum micans</i>	144					144		
<i>Prorocentrum minimum</i>		867	1156	867			193	1156
<i>Protoperidinium bipes</i>				289				
<i>Protoperidinium punctulatum</i>	144							
<i>Protoperidinium</i> spp.	144	289	1156			144	386	867
<i>Pseudo-nitzschia americana</i>	144	289	289				193	
<i>Pseudo-nitzschia delicatissima</i>		289	578					
<i>Pseudo-nitzschia delicatissima</i> group							3474	
<i>Pseudo-nitzschia fraudulenta</i>		289	1156	7803	11271	1440	1351	10115
<i>Pseudo-nitzschia pseudodelicatissima</i>		867		3757	9826	4896	1930	
<i>Pseudo-nitzschia pungens</i>	7920	13872	15317	33813	34102	7056	27213	19074
<i>Pseudo-nitzschia seriata</i>	432	2601	2601	867	289	144	965	6647
<i>Pseudo-nitzschia seriata</i> group	1296	9826	10404	6647	3179		772	6647
<i>Pseudo-nitzschia subpacifica</i>	144	8959	3757	11849	3179	864	4632	1445
<i>Pseudo-nitzschia turgidula</i>		578		2890	578	1008		
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>				289				
<i>Scrippsiella</i> sp.	7344	17629	14450					13005
<i>Scrippsiella trochoidea</i>	576	289	7225					1156
<i>Skeletonema costatum</i>		578	289				193	289
<i>Stephanopyxis turris</i>	144	289	1734	2890	867	1584	386	578
<i>Thalassionema nitzschioides</i>					867	2160	193	
<i>Thalassiosira anguste-lineata</i>				289			193	
<i>Thalassiosira baltica</i>				289		288		
<i>Thalassiosira bioculata</i>			289					
<i>Thalassiosira gravida</i>	576	4335	2601	1734	6358	2880		1734
<i>Thalassiosira punctigera</i>				289		288		
<i>Thalassiosira</i> spp.	144	578	289	3179	6936	4032	1158	
Tintinnida	4320	4046	6936	289	578	288	1158	19074
Unarmoured dinoflagellate	4608	4913	6647	578	578		386	10115
<b>16-Sep-08</b>								
<i>Amphidinium carterae</i>		144		289				578
<i>Amphidinium sphenoides</i>	240		432	867	288	96		867
<i>Amylax triacantha</i>								289
<i>Apedinella radians</i>			432					
Armoured dinoflagellate	560	2448	1440	6069	144	288	20	2023
Centric diatom	80					96		
<i>Cerataulina pelagica</i>	160		288		144	96		289
<i>Ceratium lineatum</i>	1720	12096	1728	8092	288	96	180	10693
<i>Ceratium longipes</i>								578
<i>Chaetoceros contortus</i>	40							289
<i>Chaetoceros debilis</i>	120	576	432			96		
<i>Chaetoceros decipiens</i>							20	
<i>Chaetoceros didymus</i>					144			
<i>Chaetoceros lacinosus</i>	40		144					

16-Sep-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros lorenzianus</i>			144			192		289
<i>Chaetoceros similis</i>	80		144				280	
<i>Chaetoceros socialis</i>	3520	4464	12096	7803	1872		480	32368
<i>Chaetoceros</i> spp. (Hyalochaete)	360	288	576	4335	1008	1152	120	2023
<i>Chrysochromulina parkeae</i>								289
<i>Commation cryoporinum</i>				289				
Copepoda	80	144		289			20	
<i>Corethron hystrix</i>		144				192	40	289
<i>Coscinodiscus</i> spp.	40	144	144					
<i>Coscinodiscus wailiesii</i>	80	288	144	289				289
<i>Cylindrotheca closterium</i>	1040	144	432	578	3024	1440	140	
<i>Dactyliosolen fragilissimus</i>	1840		288		144	768	220	1156
<i>Dictyocha speculum</i>	160	144	288	578			40	2023
<i>Dinophysis acuminata</i>	80	144	144	1734			40	8381
<i>Dinophysis fortii</i>							20	
<i>Dinophysis norvegica</i>		144						
<i>Dinophysis pulchella</i>								289
<i>Ditylum brightwellii</i>	760	720	288	1156	864	1440	40	289
<i>Ebria tripartita</i>							20	289
<i>Entomoneis</i> spp.						576		
<i>Eutreptiella</i> sp.	720	144	144	867		288	220	2890
<i>Gonyaulax spinifera</i>		144						
<i>Guinardia delicatula</i>	120	144	864		288	192	200	
<i>Gyrodinium aureolum</i>		864	144					
<i>Gyrodinium</i> spp.	160	288		867		96	20	
<i>Gyrosigma fasciola</i>							20	
<i>Heterocapsa triquetra</i>	40	720		289				289
<i>Laboea</i> sp.							80	289
<i>Lennoxia faveolata</i>	160	864						289
<i>Leptocylindrus danicus</i>				5491	2016		20	
<i>Leptocylindrus mediterraneus</i>	200	432	2592	2023	144	96		578
<i>Leptocylindrus minimus</i>	1240	7344	3600	6069	432	480	180	1156
<i>Mediopyxis helysia</i>						96		
<i>Mesodinium rubrum</i>	2600	6480	1008	3468		192	8840	40171
<i>Navicula transitans</i> var. <i>derasa</i>					288			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		144						
<i>Paralia sulcata</i>								289
Pennate diatom		576		578	288	288	60	
<i>Pleurosigma angulatum</i>	40						60	
<i>Pleurosigma strigosum</i>	40		432		144			
<i>Polykrikos</i> spp.								289
<i>Prorocentrum micans</i>		144						
<i>Prorocentrum minimum</i>	240	1296	576	578			40	2601
<i>Protoperidinium bipes</i>				289				
<i>Protoperidinium excentricum</i>	40							
<i>Protoperidinium</i> spp.	40			578				
<i>Pseudo-nitzschia americana</i>	640	144	288				400	
<i>Pseudo-nitzschia delicatissima</i>			576					
<i>Pseudo-nitzschia delicatissima</i> group		144					140	

<b>16-Sep-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia fraudulenta</i>	600	1152	5184	31212	4752	2592	160	1734
<i>Pseudo-nitzschia pseudodelicatissima</i>	120	432		2601	3744	1824	200	578
<i>Pseudo-nitzschia pungens</i>	2840	15696	5328	7803	12960	6816	540	1156
<i>Pseudo-nitzschia seriata</i>	800	720	2736	2312	288	576	200	3468
<i>Pseudo-nitzschia seriata</i> group	2600	5328	18000	4913	576	960	80	4913
<i>Pseudo-nitzschia subpacific</i>	3080	10944	11376	20808	6192	1056	100	11271
<i>Pseudo-nitzschia turgidula</i>				3757	1152	192	60	
<i>Scrippsiella</i> sp.	280	3312	144	2023				
<i>Scrippsiella trochoidea</i>				289				
<i>Skeletonema costatum</i>	80				144		100	
<i>Stephanopyxis turris</i>	280	144	432	289		480		
<i>Thalassionema nitzschioides</i>		144			432	288	100	
<i>Thalassiosira baltica</i>						192		
<i>Thalassiosira gravida</i>	320	720	432	4335	1008	768	40	1156
<i>Thalassiosira punctigera</i>							20	
<i>Thalassiosira</i> spp.	280	720	288	578	1296	2784	80	289
<i>Thalassiothrix longissima</i>		144						
Tintinnida	920	3168	1152	7225	288	384	260	10693
<i>Tintinnopsis</i> spp.							20	
Unarmoured dinoflagellate	400	1584	1008	1156	144	288	160	2312
<b>22-Sep-08</b>								
<i>Actinoptychus senarius</i>						280		
<i>Amphidinium carterae</i>		40	40					
<i>Amphidinium sphenoides</i>	40		160	576	96			
<i>Apedinella radians</i>		40	40	96				
Armoured dinoflagellate	160	160	840	1152	192	80	20	1440
<i>Aulacoseira ambigua</i>						40		
Centric diatom				96		40		
<i>Cerataulina pelagica</i>			40		384			288
<i>Ceratium lineatum</i>	520	200	2720	2304			240	1632
<i>Ceratium longipes</i>			40					96
<i>Chaetoceros debilis</i>		80	40		192			
<i>Chaetoceros didymus</i>					96			
<i>Chaetoceros lacinosus</i>			40				20	
<i>Chaetoceros lorenzianus</i>							20	
<i>Chaetoceros similis</i>		40	40				120	96
<i>Chaetoceros simplex</i>	80							
<i>Chaetoceros socialis</i>	1600	200	240	672	672		580	4320
<i>Chaetoceros</i> spp. (Hyalochaete)			40			80	20	
<i>Chrysochromulina parkeae</i>								96
<i>Commation cryoporinum</i>					96			
Copepoda		120	40			40		
<i>Corethron hystrix</i>			40		96		80	192
<i>Coscinodiscus radiatus</i>				96	96			
<i>Coscinodiscus</i> spp.	40	40	120					
<i>Coscinodiscus wailesii</i>	40	40	80	192			40	
<i>Cylindrotheca closterium</i>	360	760	400	576	3552	560	220	864
<i>Dactyliosolen fragilissimus</i>			80	96	864	160		192
<i>Dictyocha speculum</i>	160	40	40			40	60	1632

22-Sep-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dinophysis acuminata</i>	40	40	160		192		20	1056
<i>Dinophysis norvegica</i>				96				
<i>Dinophysis rotundata</i>			40					
<i>Ditylum brightwellii</i>		40		96	384	280		
<i>Ebria tripartita</i>							20	
<i>Entomoneis</i> spp.					288	40		
<i>Eutreptiella</i> sp.	720	160	360	672			260	2688
<i>Gonyaulax digitale</i>				96				96
<i>Gonyaulax spinifera</i>			40	192				
<i>Guinardia delicatula</i>	120	280			96	40	40	96
<i>Guinardia flaccida</i>							40	192
<i>Guinardia striata</i>	40							
<i>Gyrodinium aureolum</i>				96				
<i>Gyrodinium</i> spp.		40	160	96	288			288
<i>Heterocapsa triquetra</i>				288				
<i>Laboea</i> sp.			160	288			40	
<i>Lennoxia faveolata</i>	280	160	80		96		20	480
<i>Leptocylindrus danicus</i>	40	280		2112	2016	560	60	960
<i>Leptocylindrus mediterraneus</i>			320	96	96			
<i>Leptocylindrus minimus</i>	400	1440	2200	384	1056	120	280	1152
<i>Membraneis challengeri</i>					96			
<i>Mesodinium rubrum</i>	5840	720	2360	2112	96		980	10944
<i>Navicula transitans</i> var. <i>derasa</i>				192	192			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		40	120				20	
Pennate diatom	440	40	40	480	384	160	120	864
<i>Pleurosigma strigosum</i>	40			576				
<i>Prorocentrum minimum</i>		40		288				384
<i>Protoperidinium cerasus</i>				96				
<i>Protoperidinium punctulatum</i>				96				
<i>Protoperidinium</i> spp.			40					
<i>Pseudo-nitzschia americana</i>	80	40					40	288
<i>Pseudo-nitzschia delicatissima</i>			40		96			96
<i>Pseudo-nitzschia delicatissima</i> group		120					100	
<i>Pseudo-nitzschia fraudulenta</i>	240	440	440	1344	6144	1520	280	960
<i>Pseudo-nitzschia pseudodelicatissima</i>		160	640	480	960	280	160	
<i>Pseudo-nitzschia pungens</i>	80	480	280	1248	3744	1520	40	96
<i>Pseudo-nitzschia seriata</i>	200	1800	6440	1824	480	440	180	672
<i>Pseudo-nitzschia seriata</i> group	400	3120	2080	8640	1344	560	100	1728
<i>Pseudo-nitzschia subpacificia</i>	760	2240	3480	2880	9312	4320	300	2400
<i>Pseudo-nitzschia turgidula</i>	160			1728	2400	200		1728
<i>Rhizosolenia setigera</i>							20	
<i>Scrippsiella</i> sp.	160		40	96				384
<i>Scrippsiella trochoidea</i>	40		40	96				96
<i>Skeletonema costatum</i>		80					20	
<i>Stephanopyxis turris</i>					288	200		96
<i>Thalassionema nitzschioides</i>						80		
<i>Thalassiosira baltica</i>						40		
<i>Thalassiosira gravida</i>		120	160	288	384	240	20	
<i>Thalassiosira punctigera</i>	40							

<b>22-Sep-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassiosira</i> spp.	80	200	240	672	288	200	60	
Tintinnida	1160	520	1880	6144	384	40	660	7872
Unarmoured dinoflagellate	200	80	320	576	288	40	60	672
<b>30-Sep-08</b>								
<i>Actinoptychus senarius</i>				192				
<i>Alexandrium fundyense</i>	40			192				
<i>Amphidinium carterae</i>		160						40
<i>Amphidinium sphenoides</i>					80	40		
<i>Amylax triacantha</i>								80
<i>Apedinella radians</i>			720					
Armoured dinoflagellate	240	320	1440	1152	120	80	40	120
<i>Aulacoseira ambigua</i>					1240			
Centric diatom		40						20
<i>Cerataulina pelagica</i>		40						20
<i>Ceratium lineatum</i>	16760	10720	34560	26112	360	80	580	2300
<i>Ceratium longipes</i>	40							
<i>Ceratium</i> spp.	120							
<i>Chaetoceros similis</i>							80	80
<i>Chaetoceros socialis</i>						280	20	20
<i>Chaetoceros</i> spp. (Hyalochaete)						80	20	20
<i>Commation cryoporinum</i>					40	40		40
Copepoda	160				40	40		
<i>Corethron hystrix</i>							20	20
<i>Coscinodiscus</i> spp.	80			192	200			
<i>Coscinodiscus walesii</i>	480	80	576	384	80	120	20	140
<i>Cylindrotheca closterium</i>	200	40		96	80	320	40	80
<i>Dactyliosolen fragilissimus</i>						80		100
<i>Dictyocha speculum</i>	80	40	144		120		60	300
<i>Dinophysis acuminata</i>	240	120	288	384			40	300
<i>Dinophysis dens</i>				384				20
<i>Dinophysis fortii</i>				96				
<i>Dinophysis norvegica</i>		80		192				20
<i>Dinophysis pulchella</i>	80			96				
<i>Ditylum brightwellii</i>	40					40	40	
<i>Ebria tripartita</i>							20	20
<i>Entomoneis</i> spp.						40		
<i>Eucampia zodiacus</i>		40						
<i>Eutreptiella</i> sp.	920	960	5616	2304	120			340
<i>Gonyaulax digitale</i>	240	1320	288	192				20
<i>Gonyaulax spinifera</i>	80	120	432		40			
<i>Guinardia delicatula</i>							20	
<i>Guinardia flaccida</i>	120							
<i>Gyrodinium aureolum</i>	40	40	288	192				
<i>Gyrodinium</i> spp.	280	240	576	384	320	120	60	180
<i>Helicostomella</i> spp.							20	
<i>Heterocapsa triquetra</i>	160							40
<i>Laboea</i> sp.	80	160		96			60	40
<i>Lennoxia faveolata</i>	40	40	432			40		
<i>Leptocylindrus danicus</i>						120	40	20

<b>30-Sep-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Leptocylindrus mediterraneus</i>			144		280			
<i>Leptocylindrus minimus</i>		40				160	120	
<i>Mesodinium rubrum</i>	880	680	3600	1920	200	160	740	2520
<i>Navicula distans</i>	40	40			40	160		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			288		40			20
<i>Notholca</i> spp.		80						20
Pennate diatom	80	80	1872	96			20	20
<i>Phaeocystis pouchetii</i>					80			
<i>Pleurosigma angulatum</i>				96				
<i>Pleurosigma strigosum</i>	40					40		
<i>Polykrikos</i> spp.					40			
<i>Prorocentrum micans</i>	40	40	144					
<i>Prorocentrum minimum</i>	40	40	576					
<i>Protoperidinium bipes</i>								20
<i>Protoperidinium brevipes</i>								20
<i>Protoperidinium excentricum</i>					40			20
<i>Protoperidinium</i> spp.	80	120		288	40			
<i>Protoperidinium steinii</i>	120			96				20
<i>Pseudo-nitzschia americana</i>							40	
<i>Pseudo-nitzschia delicatissima</i>							40	
<i>Pseudo-nitzschia delicatissima</i> group			144		40			
<i>Pseudo-nitzschia fraudulentula</i>				96		80	60	
<i>Pseudo-nitzschia pseudodelicatissima</i>	40				40	240		
<i>Pseudo-nitzschia pungens</i>		40	144		200	120	40	
<i>Pseudo-nitzschia seriata</i>	40				80	320		80
<i>Pseudo-nitzschia seriata</i> group	40	80		96		80	80	100
<i>Pseudo-nitzschia subpacificia</i>			144			160		100
<i>Pseudo-nitzschia turgidula</i>					80			
<i>Rhizosolenia setigera</i>							20	20
<i>Scrippsiella</i> sp.	120		144	96				
<i>Scrippsiella trochoidea</i>	40	80					60	80
<i>Stephanopyxis turris</i>						40		
<i>Thalassionema nitzschioides</i>						80		
<i>Thalassiosira punctigera</i>	40							20
<i>Thalassiosira</i> spp.		80				40		20
Tintinnida	2760	1040	10080	8640	400	520	340	1100
<i>Tintinnopsis</i> spp.							20	20
Unarmoured dinoflagellate	440	560	2016	1056	240	40	220	420
<b>6-Oct-08</b>								
<i>Alexandrium fundyense</i>	40		40		40			192
<i>Amphidinium carterae</i>			40	40				672
<i>Amphidinium sphenoides</i>	80						20	96
<i>Apedinella radians</i>			40					
Armoured dinoflagellate	320	20		280	40		40	288
<i>Aulacoseira ambigua</i>		140		40				
<i>Aulacoseira granulata</i>							20	
Centric diatom				80		40		
<i>Cerataulina pelagica</i>							20	
<i>Ceratium lineatum</i>	4600	40	2480	40	80		60	11040





<b>6-Oct-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassionema nitzschioides</i>					40	40		
<i>Thalassiosira punctigera</i>							20	
<i>Thalassiosira</i> spp.			40	40		80		
Tintinnida	1560	60	960	560	280		180	6528
<i>Tintinnopsis beroidea</i>						160		
Unarmoured dinoflagellate	160	20	280		80	40		576
<b>14-Oct-08</b>								
<i>Actinoptychus senarius</i>	80	120				160	40	
<i>Alexandrium fundyense</i>			20	40				80
<i>Amphidinium carterae</i>	40	60					20	
<i>Amphidinium sphenoides</i>			20	40				40
<i>Apedinella radians</i>			60					
Armoured dinoflagellate	100	220	420	280			80	120
<i>Aulacoseira ambigua</i>		20	20	120	80	40	20	
Centric diatom				40	40	40		
<i>Ceratium lineatum</i>	320	860	1600	1360			40	720
<i>Ceratium minutum</i>							40	
<i>Ceratium</i> spp.	60	20	180	40				160
<i>Chaetoceros similis</i>	20						20	40
<i>Chaetoceros subtilis</i>							20	
Copepoda	60	40	20	40			100	40
<i>Corethron hystrix</i>	40							40
<i>Coscinodiscus radiatus</i>				160	40			
<i>Coscinodiscus</i> spp.	60	60	60			80		40
<i>Coscinodiscus wailesii</i>	120	120	80	200	40		20	360
<i>Cylindrotheca closterium</i>	180	440	200		200	160	40	40
<i>Dactyliosolen fragilissimus</i>	20							
<i>Dictyocha speculum</i>	80	100	160	160			540	3880
<i>Dinobryon</i> spp.							20	
<i>Dinophysis acuminata</i>	20	40	60	120				1920
<i>Dinophysis fortii</i>	20		60					
<i>Dinophysis norvegica</i>			40	40			20	40
<i>Dinophysis rotundata</i>							20	
<i>Ditylum brightwellii</i>	20	20	60					
<i>Ebria tripartita</i>								80
<i>Entomoneis</i> spp.						80		
<i>Eutreptiella</i> sp.	620	900	1460	1400	40		140	4320
<i>Gonyaulax digitale</i>			20					
<i>Gonyaulax spinifera</i>			40					
<i>Guinardia delicatula</i>		20						
<i>Guinardia flaccida</i>		60				40		
<i>Guinardia striata</i>			20	80				
<i>Gyrodinium aureolum</i>			60					
<i>Gyrodinium</i> spp.	60	160	80	160	40		40	
<i>Heterocapsa triquetra</i>		60	40					40
<i>Laboea</i> sp.	80	120	60	80			80	80
<i>Lennoxia faveolata</i>	40		100					
<i>Leptocylindrus danicus</i>		20						
<i>Leptocylindrus minimus</i>	40	40	20	40				

<b>14-Oct-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Melosira monoliformis</i>		20						
<i>Membraneis challengeri</i>	20		20					
<i>Mesodinium rubrum</i>	1560	4140	3700	400	80		4980	1200
<i>Navicula distans</i>		20			40	40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			20	80				
<i>Odontella sinensis</i>					40			
Pennate diatom		20	120	40	80	40	40	
<i>Pleurosigma angulatum</i>		20						
<i>Pleurosigma strigosum</i>			20		40	200		
<i>Prorocentrum micans</i>	20	20						40
<i>Prorocentrum minimum</i>					40			
<i>Protoperidinium</i> spp.							20	40
<i>Pseudo-nitzschia americana</i>						40		
<i>Pseudo-nitzschia delicatissima</i> group			40	40				
<i>Pseudo-nitzschia fraudulenta</i>		20					20	
<i>Pseudo-nitzschia pseudodelicatissima</i>	20	40			80	40		
<i>Pseudo-nitzschia pungens</i>				120	40	80	20	
<i>Pseudo-nitzschia seriata</i>		20						
<i>Pseudo-nitzschia subpacific</i>			40	40				
<i>Pseudo-nitzschia turgidula</i>			20	40				
<i>Rhizosolenia setigera</i>							20	
<i>Scrippsiella trochoidea</i>			20				100	400
<i>Skeletonema costatum</i>			20				20	
<i>Stephanopyxis turris</i>	20							
<i>Thalassionema nitzschioides</i>						40		
<i>Thalassiosira baltica</i>		20						
<i>Thalassiosira gravida</i>		20						
<i>Thalassiosira punctigera</i>	20	20	20			40	20	
<i>Thalassiosira</i> spp.	120	40	40	40	80		20	
Tintinnida	1140	1540	1660	1880	400	120	3800	2120
<i>Tintinnopsis</i> spp.	20						20	40
Unarmoured dinoflagellate	120	200	160	480		40	220	80
<b>21-Oct-08</b>								
<i>Actinoptychus senarius</i>	80	40			360	1000	140	
<i>Alexandrium fundyense</i>		20			200			
<i>Alexandrium fundyense</i> (duplet)					40			
<i>Amphidinium carterae</i>	40	20	20		40			
<i>Amphidinium sphenoides</i>				40	40			
<i>Apedinella radians</i>	60		20					
Armoured dinoflagellate	120	40	200	280	200		20	40
<i>Aulacoseira ambigua</i>	40				80	80		100
Centric diatom					160			
<i>Cerataulina pelagica</i>			20					
<i>Ceratium fusus</i>			20					
<i>Ceratium lineatum</i>	220	240	740	720	200	40		140
<i>Ceratium minutum</i>		20					20	
<i>Ceratium</i> spp.			20					
<i>Chaetoceros similis</i>								40
Copepoda	80	40	40		40			40

21-Oct-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Corethron hystrix</i>	20		20				80	40
<i>Coscinodiscus</i> spp.	40	60	120	120		80		20
<i>Coscinodiscus wailesii</i>	40		60	160	40			
<i>Cylindrotheca closterium</i>	420	260	500	80	400	280	20	80
<i>Dictyocha speculum</i>	120	80	40	40	40		300	760
<i>Dinophysis acuminata</i>	60				40			180
<i>Dinophysis rotundata</i>	20							20
<i>Dinophysis tripos</i>				40				
<i>Ditylum brightwellii</i>	40	40	60	80	40	80		20
<i>Ebria tripartita</i>								40
<i>Eutreptiella</i> sp.	760	160	480	560	80		20	320
<i>Gonyaulax digitale</i>			100					
<i>Gonyaulax spinifera</i>	20		20					
<i>Guinardia delicatula</i>		300	60		40			
<i>Guinardia flaccida</i>		200		40				
<i>Guinardia striata</i>		40	40					
<i>Gyrodinium aureolum</i>			20					
<i>Gyrodinium</i> spp.	120		60	160	160		60	20
<i>Heterocapsa triquetra</i>			60	80				
<i>Laboea</i> sp.	220	60	180	120	40		40	660
<i>Lennoxia faveolata</i>	20	80	20					
<i>Leptocylindrus danicus</i>		20						
<i>Leptocylindrus minimus</i>	40	20	80					
<i>Mesodinium rubrum</i>	3140	740	3740	240		120	860	780
<i>Navicula distans</i>	20	40			80		20	40
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	20		60	40				
Pennate diatom	20	60	80	80	40		20	20
<i>Pleurosigma angulatum</i>	40							
<i>Pleurosigma strigosum</i>						80	20	
<i>Polykrikos</i> spp.			40					
<i>Prorocentrum minimum</i>		20	20					
<i>Protoperdinium</i> spp.	20	20	20				20	
<i>Protoperdinium steinii</i>					40			
<i>Pseudo-nitzschia delicatissima</i> group			20					20
<i>Pseudo-nitzschia fraudulenta</i>	20	20						
<i>Pseudo-nitzschia pseudodelicatissima</i>					40			
<i>Pseudo-nitzschia pungens</i>			120					
<i>Pseudo-nitzschia seriata</i> group	20							
<i>Pseudo-nitzschia subpacific</i>		20					20	
<i>Pseudo-nitzschia turgidula</i>					80			
<i>Rhizosolenia setigera</i>	20						20	
<i>Scrippsiella trochoidea</i>								100
<i>Skeletonema costatum</i>	20		20					
<i>Thalassionema nitzschioides</i>			20					
<i>Thalassiosira gravida</i>				80				
<i>Thalassiosira punctigera</i>	80	60	20				40	40
<i>Thalassiosira</i> sp. (tiny)	20							
<i>Thalassiosira</i> spp.	100	120	60	120			40	20
Tintinnida	1880	3040	2900	3200	1200	280	460	1040

21-Oct-08 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Tintinnopsis</i> spp.			20				20	20
Unarmoured dinoflagellate	200	140	240	240	80		60	40
<b>28-Oct-08</b>								
<i>Actinoptychus senarius</i>	340	300	40	240	40	600	20	160
<i>Alexandrium fundyense</i>					80			
<i>Amphidinium sphenoides</i>					40			
Armoured dinoflagellate	80	60	120		40			20
<i>Aulacoseira ambigua</i>		60	20	480			20	20
<i>Aulacoseira granulata</i>					40			
Centric diatom				40	160			
<i>Ceratium lineatum</i>	220	740	240	240	160		20	60
<i>Ceratium</i> spp.	20	80						
<i>Chaetoceros similis</i>		20	20	80				20
<i>Chaetoceros socialis</i>		20						
<i>Chaetoceros</i> spp. (Hyalochaete)		20					20	
Copepoda	80	240	60					20
<i>Corethron hystrix</i>	20			40		40	20	40
<i>Coscinodiscus radiatus</i>				200	40			
<i>Coscinodiscus</i> spp.	40		40			40		40
<i>Coscinodiscus wailesii</i>	20						20	
<i>Cylindrotheca closterium</i>	760	760	620	360	520	200	40	100
<i>Dictyocha speculum</i>	60	20	180	40	160		60	460
<i>Dinophysis acuminata</i>	20	60	20	40				80
<i>Dinophysis fortii</i>	20							
<i>Dinophysis norvegica</i>			20					
<i>Ditylum brightwellii</i>	20	20	60	40		40	20	20
<i>Entomoneis</i> spp.					40	80		
<i>Eutreptiella</i> sp.	620	700	440	200			40	60
<i>Gonyaulax digitale</i>		20						20
<i>Guinardia delicatula</i>		120	60	40	80			
<i>Guinardia flaccida</i>	20	20			40			
<i>Guinardia striata</i>		20	160					
<i>Gyrodinium aureolum</i>			20	40				
<i>Gyrodinium</i> spp.			60	120	40			20
<i>Heterocapsa triquetra</i>		20	20					
<i>Laboea</i> sp.	140	220	400				120	140
<i>Lennoxia faveolata</i>			20					
<i>Leptocylindrus minimus</i>		20						
<i>Mesodinium rubrum</i>	1400	6080	3720	160	160	80	380	2820
<i>Navicula distans</i>	60	40	20	120	80	40		
<i>Navicula transitans</i> var. <i>derasa</i>					40			
<i>Odontella sinensis</i>		20			40			
Pennate diatom	20	40	60	80	80	160	20	20
<i>Pleurosigma angulatum</i>	20				40			
<i>Pleurosigma strigosum</i>	40	60				40		
<i>Prorocentrum micans</i>		20	40					
<i>Protoperidinium excentricum</i>		20						
<i>Protoperidinium</i> spp.		40						20
<i>Pseudo-nitzschia delicatissima</i> group		20	20					

<b>28-Oct-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia pseudodelicatissima</i>		20			40			
<i>Pseudo-nitzschia pungens</i>				40				20
<i>Rhizosolenia setigera</i>	20							
<i>Scrippsiella trochoidea</i>			20					
<i>Skeletonema costatum</i>	20		20					
<i>Stephanopyxis turris</i>				40				
<i>Tabellaria</i> spp.				120				
<i>Thalassionema nitzschioides</i>		20	20					
<i>Thalassiosira baltica</i>	20		20					
<i>Thalassiosira gravida</i>		40			40			
<i>Thalassiosira punctigera</i>	20	220	20			120		20
<i>Thalassiosira</i> spp.		100	60	80	80	80	60	80
Tintinnida	360	500	860	280	520	40	100	820
<i>Tintinnopsis beroidea</i>						40		
<i>Tintinnopsis</i> spp.	20	20					20	20
Unarmoured dinoflagellate		120	60	80	40		20	100
<b>18-Nov-08</b>								
<i>Actinoptychus senarius</i>	320	180		320	80		80	
<i>Alexandrium fundyense</i>				200	80			
<i>Amphidinium carterae</i>								40
Armoured dinoflagellate				120				120
<i>Aulacoseira ambigua</i>			80		40			
Centric diatom					80			
<i>Ceratium lineatum</i>	60		40	80	80			80
<i>Chaetoceros similis</i>			20	80				20
Copepoda								20
<i>Corethron hystrix</i>						40		40
<i>Coscinodiscus</i> spp.		20						40
<i>Cylindrotheca closterium</i>	480	300	720	760	480	440	40	720
<i>Dictyocha speculum</i>			20	80	80		20	120
<i>Dinophysis acuminata</i>			20					
<i>Dinophysis norvegica</i>								20
<i>Ditylum brightwellii</i>	60	80	60		40	40	40	60
<i>Entomoneis</i> spp.						80		
<i>Eutreptiella</i> sp.	40		40	120				80
<i>Grammatophora marina</i>						40		
<i>Guinardia delicatula</i>	40	60	20		120	40		
<i>Guinardia striata</i>			20					
<i>Gyrodinium</i> spp.		20	20					
<i>Gyrosigma fasciola</i>		20				40		
<i>Helicotheca tamesis</i>						40		
<i>Heterocapsa triquetra</i>			20		40			40
<i>Laboea</i> sp.							20	80
<i>Leptocylindrus minimus</i>	20							
<i>Mesodinium rubrum</i>	300	100	320	280	240		240	6960
<i>Navicula distans</i>	100	40			40	40		20
<i>Odontella sinensis</i>		140		40	120			20
<i>Paralia sulcata</i>	20							
Pennate diatom		60			40	160	40	20

<b>18-Nov-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pleurosigma / Gyrosigma</i>		20						
<i>Pleurosigma strigosum</i>				40				
<i>Prorocentrum micans</i>								40
<i>Protoperidinium punctulatum</i>								20
<i>Pseudo-nitzschia delicatissima</i> group			40		40	40		
<i>Pseudo-nitzschia pseudodelicatissima</i>	40							
<i>Pseudo-nitzschia seriata</i> group			20					
<i>Skeletonema costatum</i>							20	20
<i>Stephanopyxis turris</i>				40	40			
<i>Thalassionema nitzschioides</i>	40		20	160	80	120		40
<i>Thalassiosira baltica</i>	20							
<i>Thalassiosira gravida</i>	40	20	20					20
<i>Thalassiosira punctigera</i>	20			40				20
<i>Thalassiosira</i> spp.	80	160	20	160	240	200	40	80
Tintinnida	100		40	160	120		60	660
<i>Tintinnopsis beroidea</i>						40		
<i>Tintinnopsis</i> spp.		20						20
Unarmoured dinoflagellate	100						40	60
<b>15-Dec-08</b>								
<i>Actinopterychus senarius</i>	60	120		80	200	40		
Armoured dinoflagellate				40			20	20
<i>Asterionellopsis glacialis</i>						80		20
Centric diatom	20		60		40	40		80
<i>Ceratium lineatum</i>			20		40			
<i>Chaetoceros</i> spp. (Hyalochaete)			20					20
Copepoda	20				40			
<i>Corethron hystrix</i>		20			40	40		
<i>Coscinodiscus radiatus</i>					80			
<i>Coscinodiscus</i> spp.	20	40						60
<i>Cylindrotheca closterium</i>	280	380	500	720	640	520	380	540
<i>Cylindrotheca gracilis</i>							20	
<i>Dictyocha speculum</i>		20	40					40
<i>Ditylum brightwellii</i>		40			80		20	20
<i>Eutreptiella</i> sp.								20
<i>Grammatophora marina</i>		20						
<i>Guinardia delicatula</i>	20	40	40				20	
<i>Gyrodinium</i> spp.	20				40			40
<i>Gyrosigma tenuissimum</i>			20					
<i>Heterocapsa triquetra</i>							20	
<i>Laboea</i> sp.			40					
<i>Leptocylindrus danicus</i>	20							
<i>Leptocylindrus minimus</i>	40					40		
<i>Mediopyxis helysia</i>		20						
<i>Mesodinium rubrum</i>	120	60	220	160		80	140	20
<i>Navicula distans</i>	20	40		40	40	40	40	20
<i>Odontella sinensis</i>		20						
<i>Paralia sulcata</i>	20	20						
Pennate diatom	60	80	60	40	80	40		40
<i>Pleurosigma / Gyrosigma</i>		60						

<b>15-Dec-08 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pleurosigma angulatum</i>	20	40		80	40		20	
<i>Pleurosigma strigosum</i>			20			40		
<i>Protoperidinium</i> spp.					40			
<i>Pseudo-nitzschia delicatissima</i> group		20	20					
<i>Pseudo-nitzschia pseudodelicatissima</i>				640				
<i>Pseudo-nitzschia pungens</i>					80			
<i>Pseudo-nitzschia subpacific</i>				120				
<i>Skeletonema costatum</i>	60	20	20					20
<i>Stephanopyxis turris</i>				40				
<i>Thalassionema nitzschioides</i>	20	20			40		20	60
<i>Thalassiosira gravida</i>	20	60			80			
<i>Thalassiosira</i> spp.	20		20	40		40	60	60
Tintinnida	60	40			40		140	100
<i>Tintinnopsis beroidea</i>					80	80		
<i>Tintinnopsis</i> spp.	20	20						
Unarmoured dinoflagellate				40	80		40	20
<b>13-Jan-09</b>								
<i>Amphidinium carterae</i>					40			
<i>Aulacoseira ambigua</i>								280
Centric diatom			80					80
<i>Ceratium lineatum</i>						40		
<i>Chaetoceros similis</i>							40	
<i>Chaetoceros</i> spp. (Hyalochaete)							80	
<i>Commation cryoporinum</i>					40			
<i>Corethron hystrix</i>	40		40	40		40		
<i>Cylindrotheca closterium</i>	400	40	640	640	520	280	320	960
<i>Dictyocha speculum</i>	40				40		40	
<i>Dinophysis</i> spp.			20					
<i>Ditylum brightwellii</i>	40		80		40		40	
<i>Eucampia zodiacus</i>				40				
<i>Eutreptiella</i> sp.				80				
<i>Guinardia delicatula</i>			20		40			
<i>Guinardia striata</i>								40
<i>Gyrodinium</i> spp.					80			40
<i>Lauderia annulata</i>		40						
<i>Leptocylindrus minimus</i>								40
<i>Mediopyxis helysia</i>	40							
<i>Mesodinium rubrum</i>	200		340		40		1880	400
<i>Navicula distans</i>		40	20			80	40	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				40		40		
Pennate diatom			140	160	200	80	80	240
<i>Pleurosigma</i> / <i>Gyrosigma</i>			20					
<i>Pleurosigma angulatum</i>	40							
<i>Pleurosigma strigosum</i>	40			40	40		40	
<i>Prorocentrum micans</i>	40							
<i>Pseudo-nitzschia delicatissima</i>			60					
<i>Pseudo-nitzschia delicatissima</i> group	40						40	
<i>Pseudo-nitzschia pungens</i>							40	
<i>Skeletonema costatum</i>		40	20				80	



<b>13-Jan-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassionema nitzschioides</i>			20			80		80
<i>Thalassiosira baltica</i>	40							
<i>Thalassiosira gravida</i>		120	20		160			
<i>Thalassiosira nordenskiöldii</i>							40	40
<i>Thalassiosira punctigera</i>	40							40
<i>Thalassiosira</i> spp.	40	120	20	80	120	80	80	
Tintinnida	40			40	160	80	160	160
<i>Tintinnopsis</i> spp.								120
Unarmoured dinoflagellate							40	
<b>17-Feb-09</b>								
<i>Actinopterychus senarius</i>				120	40	320		
<i>Amphidinium carterae</i>								40
<i>Amphidinium sphenoides</i>					40			
Armoured dinoflagellate	40			80			40	
<i>Asterionellopsis glacialis</i>			40		40			
Centric diatom						40	80	
<i>Chaetoceros</i> spp. (Hyalochaete)	80	40					120	120
<i>Commation cryoporinum</i>				40			40	40
<i>Corethron hystrix</i>			40			40		40
<i>Coscinodiscus radiatus</i>						40		
<i>Cylindrotheca closterium</i>	800	240	1000	1120	1480	920	200	680
<i>Dictyocha speculum</i>	40		80	80	40		40	120
<i>Ditylum brightwellii</i>	40							
<i>Eutreptiella</i> sp.			40	40			40	120
<i>Guinardia delicatula</i>			40	40				
<i>Gyrodinium</i> spp.	40		80	40				
<i>Gyrosigma fasciola</i>						40		
<i>Laboea</i> sp.							40	
<i>Leptocylindrus minimus</i>	40							40
<i>Licmophora</i> spp.							40	
<i>Mediopyxis helysia</i>					40			
<i>Melosira nummuloides</i>					40			
<i>Membraneis challengeri</i>			40					
<i>Mesodinium rubrum</i>	600	200	600	120	560		960	1800
<i>Navicula distans</i>		80		40		40	40	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			40		160			40
<i>Odontella aurita</i>		40						
Pennate diatom	360	40	360	480	80	360		40
<i>Pleurosigma strigosum</i>	40		40	120	40			
<i>Protoperidinium</i> spp.				40				
<i>Pseudo-nitzschia delicatissima</i> group	40	40	40		40			
<i>Pseudo-nitzschia pungens</i>				40				
<i>Skeletonema costatum</i>		280			40	40		120
<i>Thalassionema nitzschioides</i>	120		40	80				
<i>Thalassiosira baltica</i>				40		40		
<i>Thalassiosira gravida</i>	40	80		40				
<i>Thalassiosira</i> spp.	360	160	80	120	160	80	40	280
Tintinnida	520	80		240		40	360	600
<i>Tintinnopsis beroidea</i>				40				

17-Feb-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Unarmoured dinoflagellate			80	80				40
<b>17-Mar-09</b>								
<i>Actinoptychus senarius</i>			40					
<i>Amphidinium carterae</i>								40
Armoured dinoflagellate				120		40		
<i>Biddulphia alternans</i>			40					
Centric diatom						40		
<i>Chaetoceros filiformis</i>	40							
<i>Chaetoceros similis</i>								40
<i>Chaetoceros</i> spp. (Hyalochaete)	120	40	40		40		160	320
<i>Commation cryoporinum</i>	80	40		120	80		40	80
<i>Corethron hystrix</i>			80		40			
<i>Coscinodiscus radiatus</i>						40		
<i>Coscinodiscus</i> spp.			80			40		
<i>Cylindrotheca closterium</i>	520	720	280	440	880	440	160	640
<i>Dictyocha speculum</i>	120	40			160	40		80
<i>Dinophysis acuminata</i>	40							
<i>Dinophysis norvegica</i>	40							
<i>Ditylum brightwellii</i>		40		40	40	40		
<i>Eutreptiella</i> sp.	120	40	40	40				
<i>Guinardia delicatula</i>	40	120	40		40			40
<i>Gyrodinium</i> spp.	40		40	80	40			160
<i>Gyrosigma fasciola</i>						40		
<i>Leptocylindrus minimus</i>								40
<i>Melosira nummuloides</i>	40							
<i>Mesodinium rubrum</i>	280	200	280	400	80		280	240
<i>Navicula distans</i>		160			40	40		40
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					80	80	40	
<i>Odontella aurita</i>	40	40	40		200			80
<i>Paralia sulcata</i>							40	
Pennate diatom	280	200	160	160	320	520		200
<i>Phaeocystis pouchetii</i>			40					40
<i>Pseudo-nitzschia delicatissima</i> group				40				40
<i>Pseudo-nitzschia pungens</i>						40		
<i>Skeletonema costatum</i>	40	40	40			40	120	
<i>Thalassionema nitzschioides</i>		40			120	80		
<i>Thalassiosira gravida</i>		40			40			
<i>Thalassiosira nordenskiöldii</i>				40				40
<i>Thalassiosira punctigera</i>	40							
<i>Thalassiosira</i> sp. (tiny)							40	
<i>Thalassiosira</i> spp.	240	40	80	240	160		80	640
Tintinnida	40	240	80	880	40		360	240
Unarmoured dinoflagellate		40		160	40			
<b>6-Apr-09</b>								
<i>Alexandrium fundyense</i>	40							
<i>Alexandrium ostenfeldii</i>		40						
<i>Amphidinium carterae</i>	40			40	40			
<i>Amphidinium sphenoides</i>	40							
Armoured dinoflagellate	160		100	200			40	

<b>6-Apr-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Asteroplanus karianus</i>	40							
<i>Aulacoseira ambigua</i>				40				640
<i>Chaetoceros debilis</i>								40
<i>Chaetoceros radicans</i>								160
<i>Chaetoceros similis</i>								80
<i>Chaetoceros socialis</i>								80
<i>Chaetoceros</i> spp. (Hyalochaete)	120	400	120	240	80	40	280	2240
<i>Chaetoceros subtilis</i>								40
<i>Commation cryoporinum</i>				120				
Copepoda				40				
<i>Corethron hystrix</i>			20		40			
<i>Cylindrotheca closterium</i>		520	520	320	280	400	80	80
<i>Cylindrotheca gracilis</i>		40						80
<i>Dictyocha speculum</i>	120		140	120				160
<i>Ditylum brightwellii</i>				40				
<i>Eutreptiella</i> sp.	40	80	40	320	40	40	120	200
<i>Gyrodinium</i> spp.	40	80	100	160	80	40		40
<i>Heterocapsa triquetra</i>			20					
<i>Laboea</i> sp.				80				
<i>Leptocylindrus minimus</i>			40					80
<i>Meridion circulare</i>								40
<i>Mesodinium rubrum</i>	1720	680	500	600		80	720	720
<i>Navicula distans</i>		40						
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	80			40	120	80		
<i>Odontella aurita</i>	40						80	
<i>Odontella obtusa</i>			40					
Pennate diatom		280	80	120	160	40	320	200
<i>Pleurosigma strigosum</i>						120		
<i>Porosira glacialis</i>			20					
<i>Prorocentrum minimum</i>		40	40	40				
<i>Protoperdinium</i> spp.			20					
<i>Pseudo-nitzschia delicatissima</i> group			20	40	40			
<i>Pseudo-nitzschia pseudodelicatissima</i>						40		
<i>Scrippsiella trochoidea</i>			20					
<i>Skeletonema costatum</i>		120	80		40		40	
<i>Thalassiosira gravida</i>			20	40	40			
<i>Thalassiosira nordenskiöldii</i>	40	80					40	200
<i>Thalassiosira punctigera</i>		40						
<i>Thalassiosira</i> sp. (tiny)				40			40	
<i>Thalassiosira</i> spp.	320	240	160	480	520	160	320	1040
Tintinnida	1360	720	240	1160		80	1680	1200
Unarmoured dinoflagellate	160		60	320		80	160	280
<b>5-May-09</b>								
<i>Alexandrium fundyense</i>	96	96	40					
<i>Alexandrium ostenfeldii</i>		192						
<i>Amphidinium sphenoides</i>								722
Armoured dinoflagellate		192	40	289				722
<i>Chaetoceros debilis</i>			120		96		288	
<i>Chaetoceros decipiens</i>				289				

<b>5-May-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Chaetoceros filiformis</i>	480						144	
<i>Chaetoceros furcellatus</i>				867	96	280		
<i>Chaetoceros similis</i>		288	80					1444
<i>Chaetoceros socialis</i>		4224	5120					31046
<i>Chaetoceros</i> spp. (Hyalochaete)	7968	6624	6160	23987	5376	200	20160	124906
<i>Commation cryoporinum</i>		96					144	
<i>Cylindrotheca closterium</i>	576	2016	720	578	768	440	144	3610
<i>Dictyocha speculum</i>		288	120	289				
<i>Eutreptiella</i> sp.	96	96	320	867				4332
<i>Gyrodinium</i> spp.		384	240		192		144	
<i>Gyrosigma fasciola</i>					96			
<i>Gyrosigma littorale</i>	96							
<i>Heterocapsa triquetra</i>		96	120					
<i>Laboea</i> sp.		576	200	289			432	
<i>Lennoxia faveolata</i>	96							
<i>Leptocylindrus minimus</i>	288		40					722
<i>Mediopyxis helysia</i>					96			
<i>Mesodinium rubrum</i>	480	96	1120	289			1584	1444
<i>Navicula distans</i>	96						144	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	960	96	200	289	576	160		722
<i>Odontella aurita</i>						40		
<i>Paralia sulcata</i>						80		
Pennate diatom	384	1056	280			160		2166
<i>Pleurosigma / Gyrosigma</i>					96			
<i>Pleurosigma strigosum</i>			40			40		
<i>Porosira glacialis</i>	192	480	200				288	
<i>Pseudo-nitzschia delicatissima</i>	576	384						3610
<i>Pseudo-nitzschia delicatissima</i> group			520		96		144	
<i>Scrippsiella trochoidea</i>			40					
<i>Skeletonema costatum</i>	576	1152	400				288	1444
<i>Thalassionema nitzschioides</i>				289				722
<i>Thalassiosira baltica</i>								2166
<i>Thalassiosira bioculata</i>			40					
<i>Thalassiosira gravida</i>	192	384		289	96			
<i>Thalassiosira nordenskiöldii</i>	5376	2976	2480	15028	9648	400	27504	65702
<i>Thalassiosira</i> sp. (tiny)		192		289				722
<i>Thalassiosira</i> spp.	14304	12000	12080	65603	30672	4120	41760	57760
Tintinnida	288	4320	800	578		40	1152	2888
<i>Tintinnopsis beroidea</i>								722
Unarmoured dinoflagellate		384	280				288	2166
<b>12-May-09</b>								
<i>Alexandrium fundyense</i>		120	80					193
<i>Alexandrium fundyense</i> (duplet)		40						
<i>Alexandrium ostenfeldii</i>	288							
<i>Amphidinium sphenoides</i>	288			144	40			
<i>Apedinella radians</i>		40	40					
Armoured dinoflagellate		120	240				193	193
<i>Asterionellopsis glacialis</i>					120			
<i>Attheya longicornis</i>		320						

12-May-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Aulacoseira ambigua</i>						40		
Centric diatom					40			
<i>Ceratium longipes</i>								193
<i>Ceratium tripos</i>		40						
<i>Chaetoceros debilis</i>		80	80		40			193
<i>Chaetoceros decipiens</i>		120						
<i>Chaetoceros filiformis</i>				288		80	1351	
<i>Chaetoceros furcellatus</i>			80	144	40	320	193	579
<i>Chaetoceros similis</i>		40			40			
<i>Chaetoceros socialis</i>	3168	1400	800	288				386
<i>Chaetoceros</i> spp. (Hyalochaete)	9936	2120	1240	3024	1760	40	13317	24318
<i>Chaetoceros teres</i>			40					
Copepoda					40			
<i>Cylindrotheca closterium</i>	1008	560	480	1152	920	600	579	579
<i>Dactyliosolen fragilissimus</i>	144				40			
<i>Dictyocha speculum</i>		40	80	144	40			
<i>Entomoneis</i> spp.						80		
<i>Eutreptiella</i> sp.	144	80	240	864			579	
<i>Guinardia delicatula</i>			40					
<i>Gyrodinium</i> spp.	432	200	160	576		40		193
<i>Heterocapsa triquetra</i>		40	40	144				193
<i>Laboea</i> sp.							193	
<i>Lennoxia faveolata</i>		40						
<i>Leptocylindrus minimus</i>			40	144				
<i>Mediopyxis helysia</i>				144				
<i>Membraneis challengerii</i>					40			
<i>Meridion circulare</i>			40					
<i>Mesodinium rubrum</i>	864	40	80	864	120		193	386
<i>Navicula distans</i>	288	40			80		193	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	288				160	120		
<i>Odontella aurita</i>								193
Pennate diatom		360	120	720	680	200		
<i>Pleurosigma</i> / <i>Gyrosigma</i>						40		
<i>Pleurosigma strigosum</i>					80			
<i>Porosira glacialis</i>		40	80	144	80		386	
<i>Prorocentrum minimum</i>			40	432				
<i>Protoperidinium oblongum</i>		40						
<i>Protoperidinium</i> spp.		80						386
<i>Pseudo-nitzschia delicatissima</i>						80		
<i>Pseudo-nitzschia delicatissima</i> group	288	120	360	720	120			1544
<i>Ptychocylis</i> spp.			40					
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>			40					
<i>Skeletonema costatum</i>	432	440	480	144	80	40		386
<i>Stephanopyxis turris</i>		40						193
<i>Thalassionema nitzschioides</i>		40	40	144	80			
<i>Thalassiosira anguste-lineata</i>				144				193
<i>Thalassiosira gravida</i>		80		576			193	
<i>Thalassiosira nordenskiöldii</i>	14688	2840	2640	28080	2880	440	37249	17563
<i>Thalassiosira punctigera</i>					40			

<b>12-May-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassiosira</i> sp. (tiny)	144					40		
<i>Thalassiosira</i> spp.	31536	10520	8520	57888	20320	8680	37442	11001
Tintinnida	2016	200	120	864	120		7527	579
Unarmoured dinoflagellate	576	80	640	432	120	80	965	2509
<b>19-May-09</b>								
<i>Acanthostomella norvegica</i>		144						
<i>Alexandrium fundyense</i>	867	288	288	289			96	280
<i>Amphidinium sphenoides</i>			144	578	80	40		
<i>Amylax triacantha</i>			288					
<i>Apedinella radians</i>	578							
Armoured dinoflagellate	2023	864	1296		40			40
<i>Asterionellopsis glacialis</i>	289			289	40	80		
<i>Attheya longicornis</i>	1156		288					
<i>Chaetoceros contortus</i>	289	432	576				288	
<i>Chaetoceros debilis</i>	867						288	
<i>Chaetoceros filiformis</i>	867						192	
<i>Chaetoceros furcellatus</i>					240	40	192	
<i>Chaetoceros similis</i>							96	120
<i>Chaetoceros socialis</i>	289	5472	4464		160		288	
<i>Chaetoceros</i> spp. (Hyalochaete)	2312	1152	720	3179	600	240	9600	640
<i>Chaetoceros teres</i>		144						
<i>Coscinodiscus</i> spp.		144						
<i>Cylindrotheca closterium</i>	867	288	2016	5202	880	400	1152	520
<i>Dictyocha speculum</i>	289	144	288					
<i>Ditylum brightwellii</i>					40			
<i>Entomoneis</i> spp.						120		
<i>Eutreptiella</i> sp.							480	160
<i>Gyrodinium</i> spp.	867	1584	1296	289	40		288	80
<i>Heterocapsa triquetra</i>	578	144	144					40
<i>Laboea</i> sp.	289		864					200
<i>Leptocylindrus minimus</i>			144				96	240
<i>Mediopyxis helysia</i>						80		
<i>Melosira nummuloides</i>						40		
<i>Meringosphaera mediterranea</i>							96	
<i>Mesodinium rubrum</i>	1445	1008	2016			40	1728	200
<i>Navicula distans</i>			144		40			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				289	160	80		
Pennate diatom	578		144	1156	40	120	192	40
<i>Porosira glacialis</i>	289	144	288				384	
<i>Prorocentrum minimum</i>		864	144					40
<i>Protoperidinium steinii</i>			288					
<i>Pseudo-nitzschia delicatissima</i>	2890					120		1600
<i>Pseudo-nitzschia delicatissima</i> group		1872	432	578	160			
<i>Scrippsiella trochoidea</i>	289						192	880
<i>Skeletonema costatum</i>	578	1728	720	2023	160		96	40
Strobilididae					40			
<i>Thalassionema nitzschioides</i>	289	144		289				
<i>Thalassiosira anguste-lineata</i>				289				
<i>Thalassiosira gravida</i>			288	289		40	96	160

<b>19-May-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassiosira nordenskiöldii</i>	98260	11520	15264	62713	11160	1400	33024	1520
<i>Thalassiosira</i> sp. (tiny)					160			
<i>Thalassiosira</i> spp.	35547	11808	16128	137275	14280	7680	2112	400
Tintinnida	19363	6912	5616	289	200	40	3264	1640
<i>Tintinnopsis beroidea</i>						40		
Unarmoured dinoflagellate	2890	2304	1584	1734	160		768	640
<b>26-May-09</b>								
<i>Amphidinium carterae</i>								144
<i>Amphidinium sphenoides</i>		386	288	1156	578	96	144	1152
<i>Apedinella radians</i>		193		289				
Armoured dinoflagellate	289	193	432	867		96		144
<i>Asterionellopsis glacialis</i>	289	193	144			96		
<i>Attheya longicornis</i>				289			432	
<i>Calliacantha</i> sp.		386						432
Centric diatom	289							
<i>Chaetoceros contortus</i>				289				
<i>Chaetoceros debilis</i>	289	193		289	578		432	
<i>Chaetoceros decipiens</i>		193	288	578	578			
<i>Chaetoceros diadema</i>							288	144
<i>Chaetoceros filiformis</i>	289					96		
<i>Chaetoceros furcellatus</i>			288		578	864	1584	1728
<i>Chaetoceros radicans</i>							288	
<i>Chaetoceros similis</i>		193	288				144	
<i>Chaetoceros simplex</i>				289				
<i>Chaetoceros socialis</i>	578		1440	289			288	
<i>Chaetoceros</i> spp. (Hyalochaete)	4046	3088	2880	4624	5491	384	5040	16560
<i>Chaetoceros subtilis</i>			432					
<i>Chaetoceros teres</i>								144
<i>Cylindrotheca closterium</i>	1734	2895	3024	2023	289	480	576	432
<i>Dactyliosolen fragilissimus</i>			144					
<i>Eutreptiella</i> sp.		193	288		289		288	1008
<i>Guinardia delicatula</i>		579	144	289				
<i>Gyrodinium</i> spp.			288	1156		192	288	432
<i>Laboea</i> sp.				1156				
<i>Leptocylindrus danicus</i>	289							
<i>Leptocylindrus minimus</i>		965	1008	289			432	576
<i>Licmophora</i> spp.	289							
<i>Mediopyxis helysia</i>			144		289			144
<i>Mesodinium rubrum</i>	867	1158	144	1445	289	288	1440	1008
<i>Navicula distans</i>			144				144	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	289					96		
<i>Odontella</i> spp.				289				
Pennate diatom	289		288	8092		480		
<i>Porosira glacialis</i>		193	1008		867		288	576
<i>Prorocentrum micans</i>				578				
<i>Prorocentrum minimum</i>	578	193	144		289			
<i>Protoperidinium</i> spp.		386			289			
<i>Pseudo-nitzschia delicatissima</i>	2023	8106		6936				8928
<i>Pseudo-nitzschia delicatissima</i> group			6768		3179	192	432	

<b>26-May-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Ptychocylis</i> spp.			144		289			
<i>Scrippsiella trochoidea</i>				289				
<i>Skeletonema costatum</i>	289		1152	1156	289	288	144	
<i>Thalassionema nitzschioides</i>	289		432		289	96		144
<i>Thalassiosira anguste-lineata</i>	289							
<i>Thalassiosira gravida</i>			864				144	
<i>Thalassiosira nordenskiöldii</i>	108375	17563	43350	276284	168776	15360	46800	12240
<i>Thalassiosira</i> spp.	16184	7720	13294	44506	36992	17472	5472	4176
Tintinnida	2023	2123	1728	2312	1156	384	720	576
Unarmoured dinoflagellate	289		576	867	578		432	576
<b>2-Jun-09</b>								
<i>Acanthostomella norvegica</i>			40					
<i>Alexandrium fundyense</i>	386	560	120			40		80
<i>Alexandrium fundyense</i> (duplet)	193							
<i>Alexandrium ostenfeldii</i>	193							
<i>Amphidinium carterae</i>					144			
<i>Amphidinium sphenoides</i>	579	160	320	576	720	800	2592	680
<i>Amylax triacantha</i>		40						
<i>Apedinella radians</i>		120	80					40
Armoured dinoflagellate	965	840	360	576			288	880
<i>Asterionellopsis glacialis</i>	386	160			144			
<i>Asteroplanus karianus</i>					144			
<i>Attheya longicornis</i>			440					800
<i>Aulacoseira ambigua</i>	193							
<i>Brachionus</i> spp.	193		80				144	
<i>Calliakantha</i> sp.								40
<i>Ceratium longipes</i>		40						
<i>Chaetoceros borealis</i>					144			
<i>Chaetoceros contortus</i>			160					200
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		520	80					40
<i>Chaetoceros debilis</i>	579	40	880	1152		120	1728	800
<i>Chaetoceros decipiens</i>		160	120				144	
<i>Chaetoceros diadema</i>				432	144	160		
<i>Chaetoceros filiformis</i>						40		
<i>Chaetoceros furcellatus</i>			680	1728	1008	360	576	520
<i>Chaetoceros lacinosus</i>								40
<i>Chaetoceros pseudocrinitus</i>			40					
<i>Chaetoceros radicans</i>			40					
<i>Chaetoceros similis</i>	193	40		144	144		144	
<i>Chaetoceros simplex</i>		120	120					
<i>Chaetoceros socialis</i>			320					
<i>Chaetoceros</i> spp. (Hyalochaete)	1930	360	1200	1872	1584	520	576	5360
<i>Chaetoceros subtilis</i>		120						
<i>Chaetoceros teres</i>							288	80
<i>Commation cryoporinum</i>			80	288	144	80		40
<i>Corethron hystrix</i>		40						
<i>Coscinodiscus concinnus</i>		40						
<i>Coscinodiscus</i> spp.				144				
<i>Cylindrotheca closterium</i>	6176	1440	2200	3312	3024	880	720	440





9-Jun-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros contortus</i>	144	432	80	289	144		432	3179
<i>Chaetoceros convolutus</i>		144						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	1152	432	1320					289
<i>Chaetoceros debilis</i>	1152	1008	640	3468	1008	144	4320	7514
<i>Chaetoceros decipiens</i>	1152	1008	480	289	864	144		
<i>Chaetoceros diadema</i>	144			578	288	432		
<i>Chaetoceros filiformis</i>				289				
<i>Chaetoceros furcellatus</i>				1156		144		
<i>Chaetoceros lacinosus</i>	288	288						289
<i>Chaetoceros radicans</i>						144		289
<i>Chaetoceros similis</i>	144						1008	
<i>Chaetoceros simplex</i>	432	288	240					
<i>Chaetoceros</i> spp. (Hyalochaete)	1296	3168	1560	3468	1440	1728	1008	6647
<i>Chaetoceros subtilis</i>			40					
<i>Chaetoceros teres</i>		144	80				432	2023
<i>Commatia cryoporinum</i>	144		200					
<i>Corethron hystrix</i>			80					
<i>Cylindrotheca closterium</i>	6624	4032	4200	7225	12240	5904	864	4046
<i>Dactyliosolen fragilissimus</i>	144	576	480	289				
<i>Dictyocha speculum</i>		432	40					289
<i>Entomoneis</i> spp.					576	864		
<i>Eucampia zodiacus</i>	432	288	80	1734				
<i>Eutreptiella</i> sp.	288	144			144	144	864	2312
<i>Guinardia delicatula</i>	288	144	40		144			
<i>Gyrodinium</i> spp.	288	576	40	289	720		288	867
<i>Laboea</i> sp.	288	144						
<i>Lennoxia faveolata</i>	144						144	
<i>Leptocylindrus danicus</i>	288	144					1152	1156
<i>Leptocylindrus minimus</i>	1584	1440	720	1445	1584	288	5184	19363
<i>Licmophora</i> spp.			40					
<i>Mediopyxis helysia</i>						288		
<i>Membraneis challengeri</i>		144						
<i>Mesodinium rubrum</i>	2880	432	800	1734	144		2592	8959
<i>Navicula distans</i>						144		
<i>Navicula transitans</i> var. <i>derasa</i>						144		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					144			
Pennate diatom	288		280	1156	432	144	144	
<i>Porosira glacialis</i>		144	80		288	144	144	
<i>Preperidinium meuneri</i>	144							
<i>Prorocentrum minimum</i>	432	1440	280		144	288		
<i>Prorocentrum</i> sp. (small)	144							289
<i>Proto-peridinium bipes</i>								289
<i>Proto-peridinium</i> spp.	144		40					
<i>Pseudo-nitzschia delicatissima</i>	32688	53754	20920	14739	18576	10800	34992	205768
<i>Scrippsiella trochoidea</i>	288							
<i>Skeletonema costatum</i>	144		240	289	1584			
<i>Stephanopyxis turris</i>			40					
<i>Thalassionema nitzschioides</i>		144	200		576			
<i>Thalassiosira anguste-lineata</i>	432	576	80		288	288	144	578

<b>9-Jun-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassiosira baltica</i>						144		
<i>Thalassiosira bioculata</i>		144					144	
<i>Thalassiosira gravida</i>		144	360			288		
<i>Thalassiosira nordenskioeldii</i>	4608	3888	1720	23698	20160	17568		578
<i>Thalassiosira punctigera</i>						144		
<i>Thalassiosira</i> sp. (tiny)			80	289	576	432		
<i>Thalassiosira</i> spp.	5040	1728	5040	40749	33524	15552	720	1445
Tintinnida	4896	4032	480	1734		720	3024	5202
Unarmoured dinoflagellate	1728	1440	400	1445	1296	288		4335
<b>16-Jun-09</b>								
<i>Alexandrium fundyense</i>	50286	3024	29767	2890			288	3757
<i>Alexandrium fundyense</i> (duplet)	4046		867	289				578
<i>Alexandrium fundyense</i> (triplet)	289							
<i>Amphidinium sphenoides</i>	289	144		578	400	2080	1152	
<i>Apedinella radians</i>	19363	12096	32946	1156	40		288	2890
Armoured dinoflagellate	25143	10224	17918	2023	280	120	1008	3757
<i>Asterionellopsis glacialis</i>				289	80	200		
<i>Attheya</i> spp.							288	
<i>Aulacoseira ambigua</i>						40	144	
<i>Brachionus</i> spp.		144						289
<i>Calliacantha</i> sp.							144	
<i>Ceratium fusus</i>		144						
<i>Ceratium horridum</i>	289	1008	289					
<i>Ceratium longipes</i>		720	578					
<i>Chaetoceros contortus</i>				867	160	160	432	578
<i>Chaetoceros convolutus</i>		1296						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	1445		578				144	289
<i>Chaetoceros debilis</i>	1156			1734	880	280	1728	289
<i>Chaetoceros decipiens</i>						80	144	
<i>Chaetoceros diadema</i>					160	40		
<i>Chaetoceros filiformis</i>				289		40		
<i>Chaetoceros furcellatus</i>					80	40		
<i>Chaetoceros lacinosus</i>			289	867				
<i>Chaetoceros similis</i>							576	
<i>Chaetoceros simplex</i>	578	432	289					
<i>Chaetoceros</i> spp. (Hyalochaete)	1445	144	867	4913	2440	1360	1296	7225
<i>Chaetoceros</i> spp. (Phaeoceros)					80			
<i>Chaetoceros subtilis</i>		144						
<i>Chaetoceros teres</i>							144	
<i>Commation cryoporinum</i>					40		144	
<i>Coscinodiscus radiatus</i>					80			
<i>Coscinodiscus</i> spp.	289							
<i>Cylindrotheca closterium</i>	5780	4752	4335	17918	7400	2440	4176	578
<i>Dactyliosolen fragilissimus</i>	289			578		40	144	
<i>Dictyocha speculum</i>	1445	1872	6647	289				289
<i>Dinobryon</i> spp.							144	
<i>Dinophysis acuminata</i>	578		289	867				578
<i>Dinophysis norvegica</i>		144	289					289
<i>Ebria tripartita</i>		144						289

<b>16-Jun-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Entomoneis</i> spp.				2023	480	280		
<i>Eucampia groenlandica</i>	289							
<i>Eucampia zodiacus</i>					40			
<i>Eutreptiella</i> sp.	47974	5328	2023	289	40		864	1445
<i>Gonyaulax digitale</i>		144						
<i>Guinardia delicatula</i>	289	144	289	289	120	40		
<i>Gyrodinium</i> spp.	289		2890		120	400	720	3757
<i>Heterocapsa triquetra</i>	4913	4464	31212	289				3757
<i>Laboea</i> sp.			578				144	289
<i>Leptocylindrus danicus</i>					200		2160	867
<i>Leptocylindrus minimus</i>	1445	144		2312	880	240	22608	39882
<i>Mediopyxis helysia</i>						360		
<i>Membraneis challengeri</i>					40			
<i>Mesodinium rubrum</i>	32079	1872	5202	6069	40	400	2016	33524
<i>Micracanthodinium claytonii</i>		144						
<i>Navicula distans</i>					40			
<i>Navicula transitans</i> var. <i>derasa</i>				578				
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				289	80	80		
Pennate diatom	2023	1296	1156	1734	440	120	144	
<i>Porosira glacialis</i>	289					80	144	
<i>Preperidinium meuneri</i>			867					
<i>Prorocentrum minimum</i>	11271	6192	6936	867	280		288	4335
<i>Prorocentrum</i> sp. (small)		288						
<i>Protoperidinium bipes</i>			289					
<i>Protoperidinium brevipes</i>	289							
<i>Protoperidinium denticulatum</i>				578				
<i>Protoperidinium depressum</i>	289							
<i>Protoperidinium ovatum</i>		576						
<i>Protoperidinium</i> spp.					80	40	144	
<i>Protoperidinium steinii</i>	867	288					288	578
<i>Pseudo-nitzschia delicatissima</i>						4360	164730	168776
<i>Pseudo-nitzschia delicatissima</i> group	12427	9936	9248	22542	11040			
<i>Scrippsiella</i> sp.	4046	1296	1445					
<i>Scrippsiella trochoidea</i>	2023	1296	4624					2023
<i>Skeletonema costatum</i>				289	120	40		
<i>Stephanopyxis turris</i>				289				
<i>Thalassionema nitzschioides</i>				289	40	120		
<i>Thalassiosira anguste-lineata</i>				3179	520			
<i>Thalassiosira bioculata</i>							432	
<i>Thalassiosira gravida</i>					160			
<i>Thalassiosira nordenskiöldii</i>			578	24276	2080	1160		
<i>Thalassiosira</i> sp. (tiny)						80		
<i>Thalassiosira</i> spp.	3757	864	1156	33235	10520	4160	288	
Tintinnida	1734	3168	3468	289	120	160	3744	8670
<i>Tintinnopsis beroidea</i>				578	240			
Unarmoured dinoflagellate	289	1440	3179	289	200	320	576	4046
<b>23-Jun-09</b>								
<i>Alexandrium fundyense</i>	19363		57800				5616	14089
<i>Alexandrium fundyense</i> (duplet)	2312		2601				432	2316

23-Jun-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Alexandrium fundyense</i> (quadruplet)	289						144	
<i>Alexandrium fundyense</i> (triplet)							144	
<i>Amphidinium sphenoides</i>								772
<i>Apedinella radians</i>			1445					
Armoured dinoflagellate	5780		18207				720	3860
<i>Brachionus</i> spp.	289		867				144	386
<i>Calliacantha</i> sp.	289							
<i>Ceratium horridum</i>								386
<i>Chaetoceros contortus</i>	289		289				144	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	578		867				288	386
<i>Chaetoceros debilis</i>							1440	579
<i>Chaetoceros similis</i>	289							
<i>Chaetoceros simplex</i>			289				144	
<i>Chaetoceros</i> spp. (Hyalochaete)	867		1156				1440	965
Copepoda			578					
<i>Cylindrotheca closterium</i>	21386		21097				7056	13317
<i>Dictyocha speculum</i>			289				144	
<i>Dinobryon</i> spp.							144	193
<i>Dinophysis acuminata</i>	578		2890					579
<i>Dinophysis norvegica</i>	289		867					193
<i>Dinophysis pulchella</i>			578					
<i>Ebria tripartita</i>							288	386
<i>Eutreptiella</i> sp.	16473		16762				144	2702
<i>Guinardia delicatula</i>	289							193
<i>Gyrodinium</i> spp.	578							193
<i>Heterocapsa triquetra</i>	11271		32657				576	6948
<i>Laboea</i> sp.	289		289				144	
<i>Leptocylindrus danicus</i>							2304	772
<i>Leptocylindrus minimus</i>	2890		1156				33408	21230
<i>Licmophora</i> spp.							144	
<i>Mesodinium rubrum</i>	46529		55777				4464	20844
<i>Navicula distans</i>							144	
<i>Parafavella</i> spp.			289					
Pennate diatom			289				432	386
<i>Prorocentrum minimum</i>	2312		2890				144	965
<i>Protoperidinium bipes</i>								193
<i>Protoperidinium brevipes</i>			289					
<i>Protoperidinium ovatum</i>	867							
<i>Protoperidinium</i> spp.								386
<i>Protoperidinium steinii</i>	289		289					
<i>Pseudo-nitzschia delicatissima</i>			4624					
<i>Pseudo-nitzschia delicatissima</i> group	5780						22752	11387
<i>Ptychocylis</i> spp.								193
<i>Scrippsiella</i> sp.	2890		4913				432	1930
<i>Scrippsiella trochoidea</i>	2601		5202				288	386
<i>Skeletonema costatum</i>	289		578				144	193
<i>Thalassiosira anguste-lineata</i>	289						288	
<i>Thalassiosira</i> sp. (tiny)			578					
<i>Thalassiosira</i> spp.	20230		13294				432	6176

<b>23-Jun-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
Tintinnida	2601		2312				1008	386
<i>Tintinnopsis beroidea</i>							144	193
Unarmoured dinoflagellate	2312		4046				720	1544
<b>25-Jun-09</b>								
<i>Alexandrium fundyense</i>		105774						
<i>Alexandrium fundyense</i> (duplet)		12138						
<i>Alexandrium fundyense</i> (planozygote)		8670						
<i>Alexandrium fundyense</i> (quadruplet)		2890						
<i>Alexandrium fundyense</i> (triplet)		1734						
Armoured dinoflagellate		15028						
<i>Ceratium longipes</i>		578						
<i>Cylindrotheca closterium</i>		4624						
<i>Dictyocha speculum</i>		578						
<i>Dinophysis acuminata</i>		578						
<i>Dinophysis norvegica</i>		578						
<i>Eutreptiella</i> sp.		12138						
<i>Heterocapsa triquetra</i>		195942						
<i>Laboea</i> sp.		578						
<i>Leptocylindrus minimus</i>		1156						
<i>Prorocentrum minimum</i>		1156						
<i>Protoperdinium ovatum</i>		3468						
<i>Protoperdinium steinii</i>		2312						
<i>Pseudo-nitzschia delicatissima</i> group		578						
<i>Scrippsiella trochoidea</i>		22542						
<i>Skeletonema costatum</i>		1734						
<i>Thalassiosira</i> spp.		1734						
Tintinnida		2890						
Unarmoured dinoflagellate		2890						
<b>30-Jun-09</b>								
<i>Alexandrium fundyense</i>	182648	2280	45951	1248	920	40	279174	25432
<i>Alexandrium fundyense</i> (duplet)	17918	40	5202	96	120		8092	1156
<i>Alexandrium fundyense</i> (planozygote)	8670	320	578				42194	4046
<i>Alexandrium fundyense</i> (quadruplet)	578						2312	
<i>Alexandrium fundyense</i> (triplet)	578						1156	
<i>Amphidinium sphenoides</i>				96				
<i>Amylax triacantha</i>	1156	40					578	
<i>Apedinella radians</i>		40					2312	1156
Armoured dinoflagellate	6358	480	5202	480	120	40	8670	8670
<i>Asterionellopsis glacialis</i>					40	80		
<i>Aulacoseira ambigua</i>					40			
<i>Brachionus</i> spp.							578	1156
<i>Calliakantha</i> sp.		40			40			578
<i>Ceratium lineatum</i>		40						
<i>Ceratium longipes</i>	1734	120		96	40			
<i>Ceratium tripos</i>		40						
<i>Chaetoceros contortus</i>				192				
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	578	40		480	200			
<i>Chaetoceros debilis</i>		40						578
<i>Chaetoceros similis</i>		40						

30-Jun-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros simplex</i>			578					
<i>Chaetoceros</i> spp. (Hyalochaete)		80		1056	40			
<i>Coscinodiscus</i> spp.				96	160	40		
<i>Cylindrotheca closterium</i>	20230	11760	14161	28224	13280	3360	1156	9248
<i>Dactyliosolen fragilissimus</i>		40	289		40			
<i>Dictyocha speculum</i>		40	289	384	40		578	
<i>Dinobryon</i> spp.	578	40					3468	45662
<i>Dinophysis acuminata</i>		400	867	96	40			3468
<i>Dinophysis fortii</i>	578				40			578
<i>Dinophysis norvegica</i>		200	867	480	40			578
<i>Dinophysis pulchella</i>	578							
<i>Ditylum brightwellii</i>		40						
<i>Ebria tripartita</i>	1156	80	1156	96	120			578
<i>Eutintinnus</i> sp.								1156
<i>Eutreptiella</i> sp.	9248	240	1445	192	80		1734	5202
<i>Guinardia delicatula</i>		80			120			
<i>Gyrodinium</i> spp.		40			40			
<i>Heterocapsa triquetra</i>	63580	2280	22253	864	280		116756	208658
<i>Laboea</i> sp.		40						
<i>Lennoxia faveolata</i>								1156
<i>Leptocylindrus danicus</i>					40			
<i>Leptocylindrus minimus</i>	1156	960		384	200	120	578	1156
<i>Mediopyxis helysia</i>					80			
<i>Melosira nummuloides</i>						80		
<i>Membraneis challengerii</i>			289		40			
<i>Meringosphaera mediterranea</i>				96				
<i>Mesodinium rubrum</i>	22542	1600	4046	192	480	80	20230	41616
<i>Navicula distans</i>		40				80		
<i>Paralia sulcata</i>					40			
Pennate diatom			1734	672	160			
<i>Polykrikos</i> spp.								578
<i>Prorocentrum minimum</i>	1156		289	480	40			1734
<i>Protoperidinium bipes</i>								578
<i>Protoperidinium brevipes</i>	1156	40						
<i>Protoperidinium depressum</i>				96				
<i>Protoperidinium</i> spp.		40			40			
<i>Protoperidinium steinii</i>					40			
<i>Pseudo-nitzschia delicatissima</i> group	578	680	2890	2112	640	400	1156	578
<i>Ptychocylis</i> spp.				192				578
<i>Salpingella</i> spp.					40			
<i>Scrippsiella</i> sp.	1156						578	1156
<i>Scrippsiella trochoidea</i>	6358	320	5780		120		29478	19074
<i>Skeletonema costatum</i>		320	867	864	400	80		578
<i>Thalassionema nitzschioides</i>		40			120	40		
<i>Thalassiosira anguste-lineata</i>		120		384				
<i>Thalassiosira baltica</i>		40						
<i>Thalassiosira punctigera</i>		40						
<i>Thalassiosira</i> spp.	5780	5440	2890	1440	1560	120		1156
Tintinnida	578	680	1156	480	200		1156	7514

<b>30-Jun-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Tintinnopsis beroidea</i>	578	240		1536	80	40		
Unarmoured dinoflagellate	1156	560	867	576	480		1156	
<b>7-Jul-09</b>								
<i>Alexandrium fundyense</i>	84099	90746	17856	17080	200		1240	9248
<i>Alexandrium fundyense</i> (cyst)				40				
<i>Alexandrium fundyense</i> (duplet)	5491	5491	288	1240			80	1156
<i>Alexandrium fundyense</i> (planozygote)	7803	4913	864	1160				
<i>Alexandrium fundyense</i> (quadruplet)	289	1445	144		120			
<i>Alexandrium fundyense</i> (triplet)	2023	867		80			20	
<i>Amphidinium sphenoides</i>			144	80	200	120		
<i>Amylax triacantha</i>		289						
<i>Apedinella radians</i>	289	4913	1296	3120				
Armoured dinoflagellate	578	3468	720	1240	80		200	2312
<i>Asterionellopsis glacialis</i>					40	80		
<i>Brachionus</i> spp.		289		40			40	
<i>Calliacantha</i> sp.		289						
<i>Ceratium horridum</i>	289							
<i>Ceratium longipes</i>		289	144	280				
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	578	578	1152				80	
<i>Chaetoceros debilis</i>								1156
<i>Chaetoceros decipiens</i>				40				
<i>Chaetoceros filiformis</i>							280	21964
<i>Chaetoceros furcellatus</i>						40		
<i>Chaetoceros similis</i>				360			680	387260
<i>Chaetoceros simplex</i>		578	864					
<i>Chaetoceros socialis</i>				40				
<i>Chaetoceros</i> spp. (Hyalochaete)				80	40	40		
<i>Chaetoceros</i> spp. (Phaeoceros)				40				
<i>Chaetoceros subtilis</i>							40	
<i>Chrysochromulina parkeae</i>		578						2312
<i>Commation cryoporinum</i>					80	40		
Copepoda				80				
<i>Corethron hystrix</i>			144					
<i>Coscinodiscus radiatus</i>						40		
<i>Cylindrotheca closterium</i>	2312	2023	1872	800	6440	4280	1320	8092
<i>Dactyliosolen fragilissimus</i>			288				280	28900
<i>Dictyocha speculum</i>	867	2023	864	400	80			
<i>Dinobryon</i> spp.		578	1152	520			200	2312
<i>Dinophysis acuminata</i>	2890	2023	2160	640			80	3468
<i>Dinophysis dens</i>			144					
<i>Dinophysis norvegica</i>	578	289	576	240				6936
<i>Ebria tripartita</i>		289	288	40	80			
<i>Entomoneis</i> spp.					1280	520		
<i>Eucampia zodiacus</i>								1156
<i>Eutintinnus</i> sp.		289		120			120	2312
<i>Eutreptiella</i> sp.	867	2312	1152	1040	40		1080	2312
<i>Favella</i> spp.	289	1445	144	280			760	4624
<i>Guinardia delicatula</i>						120		3468
<i>Gyrodinium</i> spp.	2023	1734	432	440			40	



<b>7-Jul-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Helicostomella</i> spp.	867	578	144				40	1156
<i>Heterocapsa triquetra</i>	15895	10982	5040	3000	80		2720	3468
<i>Laboea</i> sp.	578	867	144	360				2312
<i>Lennoxia faveolata</i>								4624
<i>Leptocylindrus danicus</i>							80	
<i>Leptocylindrus minimus</i>		1156	288	120	80		400	12716
<i>Membraneis challengeri</i>			288	160				
<i>Mesodinium rubrum</i>	13583	4046	3600	1560	40	280	2320	26588
<i>Navicula distans</i>					80	40		
<i>Navicula transitans</i> var. <i>derasa</i>					120			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>							40	
<i>Notholca</i> spp.							40	
<i>Parafavella</i> spp.				40				
Pennate diatom		289	432	120	160	200		
<i>Polykrikos</i> spp.	289	1445	144	240			2040	5780
<i>Prorocentrum minimum</i>		289	576	200	40			
<i>Protoperdinium brevipes</i>	289		144	40				
<i>Protoperdinium conicum</i>				40				
<i>Protoperdinium depressum</i>			144					
<i>Protoperdinium ovatum</i>		289	144					
<i>Pseudo-nitzschia delicatissima</i> group	867	2890	2016	560	720	320	360	28900
<i>Pseudo-nitzschia seriata</i> group								1156
<i>Ptychocylis</i> spp.	289			120				
<i>Salpingella</i> spp.					40			
<i>Scrippsiella</i> sp.		867	144	160			320	
<i>Scrippsiella trochoidea</i>	6647	4335	720	960			240	1156
<i>Skeletonema costatum</i>							3120	761804
<i>Thalassionema nitzschioides</i>							40	
<i>Thalassiosira anguste-lineata</i>				160	40	40		2312
<i>Thalassiosira baltica</i>				40	40			
<i>Thalassiosira</i> sp. (tiny)				160				5780
<i>Thalassiosira</i> spp.	578	578	720	640	640	480	560	
Tintinnida	16184	13294	4320	6080	560	400	1640	28900
<i>Tintinnopsis beroidea</i>	578	1156	144	160	320		40	
Unarmoured dinoflagellate	13005	19074	8640	3440	120	40	880	11560
<b>14-Jul-09</b>								
<i>Alexandrium fundyense</i>	288	640	680	2880			6358	
<i>Alexandrium fundyense</i> (duplet)		80	40	240			1156	
<i>Alexandrium fundyense</i> (planozygote)		40						
<i>Alexandrium fundyense</i> (quadruplet)				80			578	
<i>Amphidinium carterae</i>				40				
<i>Amphidinium sphenoides</i>				160				
<i>Apedinella radians</i>	1008	120	2520	680	40		1734	
Armoured dinoflagellate	864	80	320	320	200		578	5780
<i>Brachionus</i> spp.	144							
<i>Calliacantha</i> sp.			120					
<i>Ceratium lineatum</i>				40				
<i>Ceratium longipes</i>			40	40				
<i>Chaetoceros contortus</i>				40			578	

14-Jul-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros convolutus / concavicornis</i>		40						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	1008	1400	2560					5780
<i>Chaetoceros danicus</i>					40			
<i>Chaetoceros debilis</i>	144	120					1156	
<i>Chaetoceros filiformis</i>	144						3468	
<i>Chaetoceros laciniosus</i>		40						
<i>Chaetoceros similis</i>	2160	680	1240	80	280	80	48552	791825
<i>Chaetoceros socialis</i>		320	1840	960				
<i>Chaetoceros</i> spp. (Hyalochaete)		320	360	120		40	1156	17340
<i>Chaetoceros</i> spp. (Phaeoceros)					40			
<i>Chrysochromulina parkeae</i>	288	120	400				1734	2890
<i>Commation cryoporinum</i>		40		40	160	40		
<i>Corethron hystrix</i>				40				
<i>Coscinodiscus concinnus</i>				40				
<i>Coscinodiscus</i> spp.		40	120	40				
<i>Coscinodiscus wailesii</i>			40		40			
<i>Cylindrotheca closterium</i>	1152	720	1120	320	2640	640	4046	11560
<i>Dactyliosolen fragilissimus</i>	432	400	80		200		1734	161840
<i>Dictyocha speculum</i>	1152	1480	2720	1360				5780
<i>Dinobryon</i> spp.	2016	2040	2080	920				
<i>Dinophysis acuminata</i>	1296	120	80	1080	40		578	
<i>Dinophysis dens</i>				40				
<i>Dinophysis norvegica</i>	144	80	80	280				
<i>Dinophysis</i> spp.				80				
<i>Ebria tripartita</i>		40	40					
<i>Entomoneis</i> spp.				280	1160	120		
<i>Eutintinnus</i> sp.	144	120	40					
<i>Eutreptiella</i> sp.	1008		440	840			5780	
<i>Favella</i> spp.	720		40	40				
<i>Gonyaulax digitale</i>			40					
<i>Guinardia delicatula</i>				80		160		
<i>Gyrodinium</i> spp.	720	80	200	120	40		578	2890
<i>Helicostomella</i> spp.	144	40		120				
<i>Heterocapsa triquetra</i>		80	200	80			49708	2890
<i>Laboea</i> sp.	720		40	480				
<i>Lennoxia faveolata</i>			200				578	2890
<i>Leptocylindrus minimus</i>	432	360	240	480	80	40	5780	23120
<i>Membraneis challengeri</i>	144	120	40	280	40			
<i>Mesodinium rubrum</i>	18720	2280	2440	1200		80	5202	66470
<i>Navicula distans</i>		40		80	80			
<i>Navicula transitans</i> var. <i>derasa</i>				40				
Pennate diatom	432	80	280		160			
<i>Polykrikos</i> spp.	864	120	80	120				
<i>Prorocentrum minimum</i>	720	480	320	480			578	2890
<i>Protoperidinium bipes</i>			40					
<i>Protoperidinium brevipes</i>		40		80				
<i>Protoperidinium ovatum</i>		40						
<i>Protoperidinium</i> spp.		40	40	40	80			
<i>Pseudo-nitzschia delicatissima</i>					520		10404	

<b>14-Jul-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia delicatissima</i> group	432	1480	2040	2880		80		257210
<i>Pseudo-nitzschia fraudulenta</i>			40					
<i>Pseudo-nitzschia seriata</i>				160				
<i>Pseudo-nitzschia seriata</i> group			80	40				
<i>Scrippsiella</i> sp.							1156	
<i>Scrippsiella trochoidea</i>	144	40		200			2312	
<i>Skeletonema costatum</i>	144					120	349112	3692405
<i>Thalassiosira anguste-lineata</i>		440	920	880	80			
<i>Thalassiosira baltica</i>				40				
<i>Thalassiosira bioculata</i>		40	200					
<i>Thalassiosira</i> sp. (tiny)			200		40		1156	2890
<i>Thalassiosira</i> spp.		80	320	880	240		578	
Tintinnida	28800	4080	1920	12680	400	40	6358	20230
<i>Tintinnopsis beroidea</i>	864			1000	40			
<i>Tintinnopsis</i> spp.					40			
Unarmoured dinoflagellate	6192	1200	1200	2680	400	40	578	40460
<b>21-Jul-09</b>								
<i>Alexandrium fundyense</i>	578	578	578				1156	2890
<i>Amphidinium carterae</i>		578						
<i>Amphidinium sphenoides</i>						80		
<i>Apedinella radians</i>	1156	2312	2312	1156	40			1156
Armoured dinoflagellate	2890	45084	1156	578		40	4624	4046
<i>Asterionellopsis glacialis</i>					40			
<i>Aulacoseira ambigua</i>								1156
Centric diatom					80			
<i>Cerataulina pelagica</i>	578	1734		2312	40			578
<i>Ceratium lineatum</i>			578					
<i>Chaetoceros contortus</i>		578	4046					2312
<i>Chaetoceros convolutus / concavicornis</i>	578			578				578
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	6358	11560	10982					578
<i>Chaetoceros danicus</i>					120			
<i>Chaetoceros debilis</i>	1156	2312	1734	6936	160	120		5780
<i>Chaetoceros decipiens</i>	1156							
<i>Chaetoceros didymus</i>			578		40			
<i>Chaetoceros filiformis</i>	6936			2312		240	578	2312
<i>Chaetoceros laciniosus</i>	578		1156	578				
<i>Chaetoceros pseudobrevis</i>					40			
<i>Chaetoceros radicans</i>					40			
<i>Chaetoceros similis</i>	10982	5202	8670	578	3600	560	20230	275128
<i>Chaetoceros simplex</i>				578				
<i>Chaetoceros socialis</i>	93636	39882	150858	102884	760	80	578	578
<i>Chaetoceros</i> spp. (Hyalochaete)	3468	2890	7514	22542	1600	480	1734	4046
<i>Chaetoceros</i> spp. (Phaeoceros)				578	160			
<i>Chrysochromulina parkeae</i>	578		6358					1156
<i>Commation cryoporinum</i>	578	578			120	40		
Copepoda					40			
<i>Corethron hystrix</i>		578						
<i>Cylindrotheca closterium</i>	3468		1156	1734	1560	680	3468	1156
<i>Dactyliosolen fragilissimus</i>	14450	27166	43928	38726	1920	720	2312	32368



21-Jul-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Tintinnopsis</i> spp.				578			578	
Unarmoured dinoflagellate	4624	4624	8670	1734	360		2312	20230
<b>28-Jul-09</b>								
<i>Alexandrium fundyense</i>							200	
<i>Amphidinium sphenoides</i>					289	144	40	
<i>Apedinella radians</i>				289	289			1156
Armoured dinoflagellate	4046	1156	1156	289		288	1080	5202
<i>Asterionellopsis glacialis</i>				578				
<i>Cerataulina pelagica</i>	1156	289		289	578		280	867
<i>Ceratium lineatum</i>		578	578					
<i>Chaetoceros constrictus</i>				289				
<i>Chaetoceros contortus</i>	1734		3468	867		576		289
<i>Chaetoceros convolutus</i>				289				
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	4624	4335	867				40	
<i>Chaetoceros debilis</i>	3468		1156	867			240	1734
<i>Chaetoceros didymus</i>	4624	578	2312	1734	1156	576		
<i>Chaetoceros filiformis</i>	2312	1445	289				80	
<i>Chaetoceros lacinosus</i>	578							1445
<i>Chaetoceros lorenzianus</i>			289					
<i>Chaetoceros similis</i>		578		578		576	280	289
<i>Chaetoceros socialis</i>	288422	82365	182648	128316	73695	41328	240	14450
<i>Chaetoceros</i> spp. (Hyalochaete)	5202	4046	6069	8670	5491	4176	80	4335
<i>Chaetoceros</i> spp. (Phaeoceros)					578	144		
<i>Chrysochromulina parkeae</i>		1156	578					
<i>Commation cryoporinum</i>	578			289	867	288		
<i>Corethron hystrix</i>	578						40	
<i>Coscinodiscus</i> spp.			289					
<i>Cylindrotheca closterium</i>	4624	867	867	2023	867	1152	520	
<i>Dactyliosolen fragilissimus</i>	18496	20808	30056	9537	12716	5616	1480	1734
<i>Dictyocha speculum</i>	578			289	289			1734
<i>Dinobryon</i> spp.		289						
<i>Dinophysis acuminata</i>	578							578
<i>Dinophysis pulchella</i>								578
<i>Entomoneis</i> spp.				1156	1156	432		
<i>Eutreptiella</i> sp.	1156	578	289				480	3179
<i>Guinardia delicatula</i>	10404	2601	6358	5780	4913	2304	560	9248
<i>Gyrodinium</i> spp.	578	289	578			144	280	289
<i>Helicostomella</i> spp.	578			578			80	867
<i>Heterocapsa triquetra</i>		578	2023	289			5800	17629
<i>Laboea</i> sp.			578				40	
<i>Leptocylindrus danicus</i>					289			578
<i>Leptocylindrus minimus</i>	2890	2023	1445	867	1734	432	520	867
<i>Mediopyxis helysia</i>						144		
<i>Membraneis challengerii</i>						144		
<i>Mesodinium rubrum</i>	2890		1156	867	289		2960	36992
<i>Micracanthodinium claytonii</i>				578				
<i>Navicula distans</i>							40	
<i>Navicula transitans</i> var. <i>derasa</i>						432		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				289				

<b>28-Jul-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
Pennate diatom	1734		289		2890	720		
<i>Proboscia alata</i>			289					
<i>Prorocentrum minimum</i>				867			40	867
<i>Protoperidinium bipes</i>					289	144	40	289
<i>Protoperidinium brevipes</i>			289	289			40	
<i>Protoperidinium conicum</i>								578
<i>Pseudo-nitzschia delicatissima</i>		289	3179				40	
<i>Pseudo-nitzschia fraudulenta</i>			289			144		
<i>Pseudo-nitzschia pseudodelicatissima</i>	41616	57222	44217	37281	27744	12672	7360	310386
<i>Pseudo-nitzschia seriata</i>		1156	289		578	288	40	
<i>Pseudo-nitzschia seriata</i> group	2312	867	289	1734	1156	144	40	578
<i>Scrippsiella</i> sp.	578	578					240	1734
<i>Scrippsiella trochoidea</i>	578		289				240	1445
<i>Skeletonema costatum</i>	1156	1734	289	867	289	288	200	
<i>Thalassionema nitzschioides</i>	1156							
<i>Thalassiosira anguste-lineata</i>	12138		578	4335	867	1152	40	289
<i>Thalassiosira baltica</i>			289			144		
<i>Thalassiosira bioculata</i>	1156		289					
<i>Thalassiosira gravida</i>								289
<i>Thalassiosira punctigera</i>				289				
<i>Thalassiosira</i> sp. (tiny)			289					
<i>Thalassiosira</i> spp.	4624	1734	2890	8381	3468	3168	280	1156
Tintinnida	4046	1156	2890	1445	289	288	1320	10693
<i>Tintinnopsis campanula</i>								289
<i>Tintinnopsis</i> spp.	578						120	
Unarmoured dinoflagellate	4046	578	2312	4046	289		5840	14161
<i>Urosolenia eriensis</i>							40	
<b>4-Aug-09</b>								
<i>Alexandrium fundyense</i>			289					
<i>Amphidinium carterae</i>			289		289			289
<i>Amphidinium sphenoides</i>	289				289			
<i>Apedinella radians</i>				578				
Armoured dinoflagellate	2890	2023	6069	12138	2023	772	289	8959
<i>Asterionellopsis glacialis</i>		289	289	578	867			
<i>Cerataulina pelagica</i>	578		289		578		578	
<i>Ceratium fusus</i>				578				
<i>Ceratium lineatum</i>							289	289
<i>Chaetoceros contortus</i>	1734	867		2312	578	772		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	867	867						
<i>Chaetoceros debilis</i>			578			193		
<i>Chaetoceros didymus</i>	1445	289	578	4046	5202	965		
<i>Chaetoceros filiformis</i>							289	
<i>Chaetoceros laciniosus</i>			289	1734				
<i>Chaetoceros lorenzianus</i>							289	
<i>Chaetoceros pseudobrevis</i>						386		
<i>Chaetoceros similis</i>			578				289	
<i>Chaetoceros socialis</i>	277440	93636	91613	180336	183804	35319	6936	
<i>Chaetoceros</i> spp. (Hyalochaete)	7514	3468	2601	6358	5780	3281	1445	5202
<i>Chaetoceros subtilis</i>			289					

4-Aug-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chrysochromulina parkeae</i>	578	3757	1156				867	
<i>Commatia cryoporinum</i>						772		
<i>Coscinodiscus radiatus</i>					289			
<i>Coscinodiscus</i> spp.							289	
<i>Coscinodiscus wailesii</i>								289
<i>Cylindrotheca closterium</i>	2023	289	867	578	6647	965	4624	
<i>Dactyliosolen fragilissimus</i>	12138	7514	10982	8092	10404	7334	2890	
<i>Dictyocha speculum</i>								578
<i>Dinobryon</i> spp.	578		289					
<i>Dinophysis acuminata</i>	289			2312				2312
<i>Dinophysis pulchella</i>	289	1734						
<i>Ditylum brightwellii</i>					289			
<i>Entomoneis</i> spp.					289	579		
<i>Eutreptiella</i> sp.	867		1445	578			17051	1445
<i>Favella</i> spp.								578
<i>Gonyaulax alaskensis</i>		578						
<i>Gonyaulax spinifera</i>								289
<i>Guinardia delicatula</i>	3468	867	2601	578	4046	4825	5202	867
<i>Gyrodinium</i> spp.	867	578		1734	578	193		578
<i>Helicostomella</i> spp.	1445			4624				867
<i>Heterocapsa triquetra</i>	4046	1156	289	13294	289		11271	56066
<i>Leptocylindrus danicus</i>		289					289	
<i>Leptocylindrus mediterraneus</i>				578		193		
<i>Leptocylindrus minimus</i>	1156	1445			289		3468	
<i>Mesodinium rubrum</i>	6069	4046	1156	2312	578		1734	41905
<i>Navicula transitans</i> var. <i>derasa</i>					289			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	289				289	193		
Pennate diatom	1156		867		289	1544		
<i>Polykrikos</i> spp.			289					
<i>Porosira glacialis</i>					289			
<i>Proboscia alata</i>		289						
<i>Prorocentrum minimum</i>	2023	1445	867	578	289			2890
<i>Protoperidinium brevipes</i>	289							
<i>Protoperidinium mite</i>	2890							
<i>Protoperidinium punctulatum</i>				578				
<i>Protoperidinium</i> spp.	867	578		578				
<i>Protoperidinium steinii</i>								289
<i>Pseudo-nitzschia americana</i>					1734			
<i>Pseudo-nitzschia pseudodelicatissima</i>	89590	83810	61268	176868	52020	14861	88723	1213212
<i>Pseudo-nitzschia pungens</i>								289
<i>Pseudo-nitzschia seriata</i>	578							
<i>Pseudo-nitzschia seriata</i> group	289				289			578
<i>Pseudo-nitzschia subpacific</i>					289			
<i>Scrippsiella</i> sp.	1734			2890			867	4046
<i>Scrippsiella trochoidea</i>	1445			22542				867
<i>Skeletonema costatum</i>	867	578	867		289		15317	
<i>Stephanopyxis turris</i>					289			
<i>Thalassionema nitzschioides</i>	289							
<i>Thalassiosira anguste-lineata</i>	1445		289	2890	1156	386		

<b>4-Aug-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassiosira baltica</i>		289			289			
<i>Thalassiosira gravida</i>	289			1156	578			
<i>Thalassiosira nordenskiöldii</i>					289			
<i>Thalassiosira</i> sp. (tiny)					1156	193		
<i>Thalassiosira</i> spp.	2023	578	867	8670	15606	7527		
Tintinnida	3468	2890		9248	1445	772	6069	10115
<i>Tintinnopsis beroidea</i>					289			
Unarmoured dinoflagellate	2312	1156	289	2312	2601			
<b>11-Aug-09</b>								
<i>Alexandrium fundyense</i>		864						
<i>Amphidinium carterae</i>		432	720		720			
<i>Amphidinium sphenoides</i>	1445	720		1544	1728			
<i>Apedinella radians</i>	578	864	6912	193				
Armoured dinoflagellate	2601	4464	3168	8492	1584	144	2023	12138
<i>Asterionellopsis glacialis</i>				1351	1440	4032		
<i>Attheya longicornis</i>		720						
<i>Cerataulina pelagica</i>			144	579	144	144		867
<i>Ceratium lineatum</i>	867			1544	144			
<i>Chaetoceros contortus</i>		720	144	2316	1152	576		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		144	288					
<i>Chaetoceros decipiens</i>					144			
<i>Chaetoceros didymus</i>	289	288	144	193	144	432		
<i>Chaetoceros filiformis</i>							289	
<i>Chaetoceros lacinosus</i>	578	144	576	1737	288			
<i>Chaetoceros lorentzianus</i>	289	144						
<i>Chaetoceros pseudobrevis</i>						288		
<i>Chaetoceros similis</i>	289	1008	720	386	288			
<i>Chaetoceros socialis</i>	90746	8928	3024	965	2016		289	867
<i>Chaetoceros</i> spp. (Hyalochaete)	2601	3888	4032	7334	4896	2160		289
<i>Chrysochromulina parkeae</i>	1156	1584	9216					
<i>Commation cryoporinum</i>					720			
Copepoda					144			
<i>Corethron hystrix</i>		144		193	576	144		
<i>Cylindrotheca closterium</i>	5202	1008	1008	5790	13248	4752	7225	
<i>Dactyliosolen fragilissimus</i>	1156	720	144	579	1728	1440	3179	578
<i>Dictyocha speculum</i>	578			579				2601
<i>Dinophysis acuminata</i>	289	864	288	1544	144			1734
<i>Dinophysis fortii</i>		288						
<i>Dinophysis norvegica</i>			288					
<i>Dinophysis pulchella</i>		576		193				867
<i>Ditylum brightwellii</i>			288	1737	720	288		
<i>Entomoneis</i> spp.						864		
<i>Eucampia zodiacus</i>					144			
<i>Eutreptiella</i> sp.	7514	1008	6912	5597	288		38726	80920
<i>Favella</i> spp.		144						
<i>Gonyaulax spinifera</i>		288	576					1734
<i>Guinardia delicatula</i>		288	144	386	1152	864	10693	867
<i>Guinardia flaccida</i>					288			
<i>Gyrodinium</i> spp.	289	864	576	3088	720	720		289



<b>11-Aug-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Helicostomella</i> spp.	1445	1728						
<i>Heterocapsa triquetra</i>	17918	8496	1872	11966	288		4624	18785
<i>Laboea</i> sp.				772				
<i>Lennoxia faveolata</i>		288						
<i>Leptocylindrus danicus</i>	289		576	193	576	144		
<i>Leptocylindrus mediterraneus</i>	289	288			2160	144		
<i>Leptocylindrus minimus</i>	1734	1728	288	1737	1440	288	3179	578
<i>Mediopyxis helysia</i>						144		
<i>Membraneis challengeri</i>					576	144		
<i>Mesodinium rubrum</i>	867	1152		1351		288	867	1445
<i>Navicula transitans</i> var. <i>derasa</i>						144		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	2023		720	1737	576			
<i>Paralia sulcata</i>						144		
Pennate diatom	6358	432	576	4053	432	1440	867	
<i>Proboscia alata</i>		432				144		
<i>Prorocentrum minimum</i>	2023	576	720	2123				6358
<i>Protoperidinium brevipes</i>				193				
<i>Protoperidinium conicum</i>				386	144			
<i>Protoperidinium mite</i>	578	288						
<i>Protoperidinium punctulatum</i>	289							
<i>Protoperidinium</i> spp.	578	432	576	579	576			578
<i>Protoperidinium steinii</i>		144						
<i>Pseudo-nitzschia americana</i>		144				144		
<i>Pseudo-nitzschia delicatissima</i>								289
<i>Pseudo-nitzschia pseudodelicatissima</i>	9537	1152	1008	2702	36000	30816	66181	816585
<i>Pseudo-nitzschia pungens</i>		144			144	144		2890
<i>Pseudo-nitzschia seriata</i> group					432			
<i>Pseudo-nitzschia turgidula</i>		144						
<i>Scrippsiella</i> sp.	2890	6624	864	2123				9537
<i>Scrippsiella trochoidea</i>	578	1584	576	8106				3468
<i>Skeletonema costatum</i>	867	288	20304	5790	864	1152	17340	2312
<i>Stephanopyxis turris</i>		144		193	144			
<i>Thalassionema nitzschioides</i>	289		288	1158	1008	1440		
<i>Thalassiosira anguste-lineata</i>	289			193	1296			
<i>Thalassiosira baltica</i>				579				
<i>Thalassiosira bioculata</i>		144						
<i>Thalassiosira bioculata</i> var. <i>exigua</i>				193				
<i>Thalassiosira gravida</i>					432			
<i>Thalassiosira nordenskiöldii</i>				193				
<i>Thalassiosira</i> sp. (tiny)					144	144		
<i>Thalassiosira</i> spp.	1445	576	432	4246	3744	3744		
Tintinnida	7225	3744	1440	34680	576	432	4913	9248
<i>Tintinnopsis beroidea</i>						144		
Unarmoured dinoflagellate	2023	2160	4176	4053	864	144	289	867
<b>18-Aug-09</b>								
<i>Alexandrium fundyense</i>	867	578	144					867
<i>Alexandrium fundyense</i> (cyst)		289						
<i>Alexandrium fundyense</i> (duplet)	289							
<i>Amphidinium carterae</i>		578	144					289

<b>18-Aug-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Amphidinium sphenoides</i>	1156	867	432	867	320	40		289
<i>Apedinella radians</i>		578	864	289			288	
Armoured dinoflagellate	5780	16184	7920	4046	680		13248	32946
<i>Asterionellopsis glacialis</i>					120	120		
Centric diatom			144					
<i>Cerataulina pelagica</i>	1734	289	432		120			
<i>Ceratium fusus</i>		289		289				
<i>Ceratium lineatum</i>	1156	2601	2016	6358	120			2023
<i>Ceratium longipes</i>					40			
<i>Chaetoceros contortus</i>	1156							
<i>Chaetoceros filiformis</i>							2160	
<i>Chaetoceros lorenzianus</i>					120			
<i>Chaetoceros radicans</i>	289							
<i>Chaetoceros similis</i>	2890	2601	432	867	120		432	867
<i>Chaetoceros socialis</i>	40171	1734						
<i>Chaetoceros</i> spp. (Hyalochaete)	1445	3468	288	1156	440	40	1440	289
<i>Commation cryoporinum</i>					80			
Copepoda								289
<i>Corethron hystrix</i>			144		40			
<i>Coscinodiscus wailesii</i>	289				40			289
<i>Cylindrotheca closterium</i>	8092	9248	9072	4913	3360	680	5184	867
<i>Dactyliosolen fragilissimus</i>	289	289		289	80		1296	
<i>Dictyochoa speculum</i>	578	867	720	289	40		432	578
<i>Dinophysis acuminata</i>	578	289		1734	400	40		578
<i>Dinophysis norvegica</i>	578	289	144		80			
<i>Dinophysis pulchella</i>		289						3179
<i>Ebria tripartita</i>								1156
<i>Entomoneis</i> spp.					80	280		
<i>Eutintinnus</i> sp.								289
<i>Eutreptiella</i> sp.	4335	5491	1296	4624	120		12240	56933
<i>Favella</i> spp.	289							
<i>Gonyaulax digitale</i>	289	289	288					2023
<i>Gonyaulax spinifera</i>		289	576					
<i>Guinardia delicatula</i>	289				160	40	3024	
<i>Guinardia flaccida</i>						40		
<i>Gyrodinium aureolum</i>			144					
<i>Gyrodinium</i> spp.	1156	2601	1008	867	480	40	432	2312
<i>Helicostomella</i> spp.								289
<i>Heterocapsa triquetra</i>	33235	39593	27648	61268	400		1872	60979
<i>Laboea</i> sp.		289	576	578	40		144	
<i>Lennoxia faveolata</i>	2890	1734					144	
<i>Leptocylindrus danicus</i>			144		80	120		
<i>Leptocylindrus mediterraneus</i>	4624	6936	11088	7514	4760			1445
<i>Leptocylindrus minimus</i>	5780	4624	1008	1445	440		15552	867
<i>Mediopyxis helysia</i>					40			
<i>Membraneis challengerii</i>					40			
<i>Mesodinium rubrum</i>	3179	1734	4320	289	80	40	432	11560
<i>Miracanthodinium claytonii</i>	289							
<i>Navicula transitans</i> var. <i>derasa</i>					80			

<b>18-Aug-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	1156	2023		1156	200			
<i>Oxytoxum laticeps</i>				289				
Pennate diatom	6069	2023	288	578	120	200	432	867
<i>Pleurosigma strigosum</i>		289						
<i>Proboscia alata</i>			432	578	280	80		
<i>Prorocentrum micans</i>		578	288	289				289
<i>Prorocentrum minimum</i>	578	2601	1296	1734	80			10404
<i>Protoperidinium bipes</i>					160			
<i>Protoperidinium excentricum</i>			144					
<i>Protoperidinium ovatum</i>	289							
<i>Protoperidinium</i> spp.					120			
<i>Protoperidinium steinii</i>				289	40			
<i>Pseudo-nitzschia americana</i>		289			120	160	288	
<i>Pseudo-nitzschia fraudulenta</i>	289							
<i>Pseudo-nitzschia pseudodelicatissima</i>	867	867			1480	1800	1584	8381
<i>Pseudo-nitzschia pungens</i>	289	289			160		576	9248
<i>Pseudo-nitzschia seriata</i>					80			
<i>Rhizosolenia imbricata</i>	289		288			40		
<i>Rhizosolenia</i> spp.					80			
<i>Salpingella</i> spp.			432					
<i>Scrippsiella</i> sp.	4335	6647	4752	8381	200		1152	13005
<i>Scrippsiella trochoidea</i>	867	2601	4608	3757			720	2890
<i>Skeletonema costatum</i>					40	240	7056	
<i>Thalassionema nitzschioides</i>					520	120		
<i>Thalassiosira anguste-lineata</i>		289	288			80		
<i>Thalassiosira baltica</i>					200	160		
<i>Thalassiosira bioculata</i>		578	144					
<i>Thalassiosira gravida</i>		289	144					
<i>Thalassiosira punctigera</i>						80		
<i>Thalassiosira</i> spp.			288	289	480	480		
Tintinnida	9826	8381	1584	8959	360	40	8640	21675
<i>Tintinnopsis beroidea</i>						40		
Unarmoured dinoflagellate	5491	8381	2160	2601	560	40	432	2023
<b>26-Aug-09</b>								
<i>Alexandrium fundyense</i>	2448	864	1440	40				192
<i>Alexandrium fundyense</i> (cyst)		96						
<i>Alexandrium fundyense</i> (duplet)			144					
<i>Amphidinium carterae</i>								96
<i>Amphidinium sphenoides</i>		288	1152					96
<i>Amylax triacantha</i>	144							
<i>Apedinella radians</i>			144					
Armoured dinoflagellate	10080	7008	7200	480		120	40	3456
<i>Asterionellopsis glacialis</i>						80		
Centric diatom				40				
<i>Cerataulina pelagica</i>	288			120				
<i>Ceratium fusus</i>	144	96		40				96
<i>Ceratium lineatum</i>	6912	11328	14688	240			40	4992
<i>Ceratium</i> spp.			2160					96
<i>Chaetoceros borealis</i>						40		

26-Aug-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros contortus</i>	144							
<i>Chaetoceros similis</i>	144						120	96
<i>Chaetoceros socialis</i>	8640	96						
<i>Chaetoceros</i> spp. (Hyalochaete)							360	
<i>Chaetoceros subtilis</i>							40	
<i>Chrysochromulina parkeae</i>			144					
<i>Commation cryoporinum</i>				40		40		
Copepoda	144	192		40				
<i>Corethron hystrix</i>	144			40				
<i>Coscinodiscus</i> spp.							40	
<i>Coscinodiscus wailesii</i>	576		432					288
<i>Cylindrotheca closterium</i>	3168	2880	8064	2800		1240	80	192
<i>Dactyliosolen fragilissimus</i>			144	160		40		
<i>Dictyocha speculum</i>	720	768	1728	720			80	3840
<i>Dinophysis acuminata</i>	432		576	120				864
<i>Dinophysis norvegica</i>	288	576	432					
<i>Dinophysis pulchella</i>		96						96
<i>Ditylum brightwellii</i>						40		
<i>Ebria tripartita</i>								1632
<i>Entomoneis</i> spp.						240		
<i>Eutreptiella</i> sp.	10080	4224	6624	160			2400	3456
<i>Gonyaulax digitale</i>	1296	192						96
<i>Gonyaulax spinifera</i>	288	1152						288
<i>Guinardia delicatula</i>				80				
<i>Gyrodinium aureolum</i>	288	480	576					96
<i>Gyrodinium</i> spp.	864	384	1584			40		384
<i>Helicostomella</i> spp.								288
<i>Heterocapsa triquetra</i>	3024	4416	1872	80				1536
<i>Laboea</i> sp.	576	192	1152	80				96
<i>Lennoxia faveolata</i>	288	1056	576	200				
<i>Leptocylindrus danicus</i>		96						
<i>Leptocylindrus mediterraneus</i>			5184	2080		40		
<i>Leptocylindrus minimus</i>	720	672	576	280		200	1120	
<i>Licmophora</i> spp.							40	
<i>Membraneis challengerii</i>				40				
<i>Mesodinium rubrum</i>	2160	2880	6912	80			480	2688
<i>Navicula distans</i>				40		40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	144			40		80		
<i>Odontella aurita</i>						40		
Pennate diatom	288	480	144			80	40	
<i>Polykrikos</i> spp.		96	144					
<i>Proboscia alata</i>				40		40		
<i>Prorocentrum micans</i>	576	192						192
<i>Prorocentrum minimum</i>		768	3168	80			120	3552
<i>Prorocentrum</i> sp. (small)		192						
<i>Proto-peridinium bipes</i>			144					
<i>Proto-peridinium</i> spp.	144		432					96
<i>Proto-peridinium steinii</i>			288	40				
<i>Pseudo-nitzschia delicatissima</i>				40				

<b>26-Aug-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia pseudodelicatissima</i>				200		240		
<i>Pseudo-nitzschia pungens</i>				240		240	40	288
<i>Pseudo-nitzschia seriata</i> group								96
<i>Rhizosolenia imbricata</i>				80		40		
<i>Scrippsiella</i> sp.	432	960	3168	40				192
<i>Scrippsiella trochoidea</i>		192	576					96
<i>Skeletonema costatum</i>							80	
<i>Thalassionema nitzschioides</i>				200		120		
<i>Thalassiosira baltica</i>						80		
<i>Thalassiosira gravida</i>				40				
<i>Thalassiosira</i> spp.	288			160		80		
Tintinnida	2880	4992	7056	400		40	200	10656
Unarmoured dinoflagellate	1872	2400	7056	80		40		864
<b>31-Aug-09</b>								
<i>Alexandrium fundyense</i>	3552	4046	6336	10982				
<i>Alexandrium fundyense</i> (duplet)	480		1008	867				
<i>Alexandrium fundyense</i> (quadruplet)				289				
<i>Alexandrium fundyense</i> (triplet)	192		144					
<i>Amphidinium carterae</i>				289	120			
<i>Amphidinium sphenoides</i>	384		576		320	80		
<i>Amylax triacantha</i>				289				
<i>Apedinella radians</i>			288	3179	40			
Armoured dinoflagellate	4608	13872	12096	8381	1040	40	40	2304
<i>Cerataulina pelagica</i>					120	80		
<i>Ceratium bucephalum</i>					40			
<i>Ceratium fusus</i>			144		160			
<i>Ceratium lineatum</i>	8928	53465	16704	15028	3760	160	120	3312
<i>Ceratium longipes</i>							40	
<i>Ceratium minutum</i>								144
<i>Ceratium</i> spp.	960	2023	1008	289				1872
<i>Chaetoceros filiformis</i>							80	
<i>Chaetoceros similis</i>					40	40	40	
<i>Chrysochromulina parkeae</i>			144					
<i>Commatium cryoporinum</i>				289				
Copepoda	96		144		40			288
<i>Corethron hystrix</i>			144					
<i>Coscinodiscus concinnus</i>					120		40	
<i>Coscinodiscus</i> spp.				289				
<i>Coscinodiscus wailesii</i>	480	289	144		240		40	
<i>Cylindrotheca closterium</i>	1824	4046	1296	5491	1120	1360	240	
<i>Dictyocha speculum</i>	96			289	320	160	80	4752
<i>Dinophysis acuminata</i>	192	1156	1440	867	160	80		3600
<i>Dinophysis dens</i>								144
<i>Dinophysis fortii</i>			144	289				
<i>Dinophysis norvegica</i>	96	867	288	1445	200		40	144
<i>Dinophysis pulchella</i>	96	289						144
<i>Ebria tripartita</i>	96		144				80	10512
<i>Entomoneis</i> spp.						200		
<i>Eutreptiella</i> sp.	5280	27455	8352	14161	2040		80	1152

<b>31-Aug-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Gonyaulax digitale</i>		2023	720					144
<i>Gonyaulax spinifera</i>	1056	578	1296	289				
<i>Gyrodinium aureolum</i>	1056	3757	3312	1156	160			144
<i>Gyrodinium</i> spp.	960	3179	3744	3468	600	280	80	432
<i>Gyrosigma fasciola</i>							40	
<i>Helicostomella</i> spp.							40	288
<i>Heterocapsa triquetra</i>	192	578	288	867				288
<i>Laboea</i> sp.	1632	1156	1152	1445	40			576
<i>Lennoxia faveolata</i>			576					
<i>Leptocylindrus mediterraneus</i>	960	578	720	1156	960	240		
<i>Leptocylindrus minimus</i>	768	289	432			160	40	
<i>Mesodinium rubrum</i>	11712	12138	10368	6647	80		960	12384
<i>Micracanthodinium claytonii</i>				289				
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	96				80	40		
Pennate diatom	96		144			80		
<i>Pleurosigma strigosum</i>				289		40		
<i>Polykrikos</i> spp.	192	1156	720	1445				
<i>Preperidinium meuneri</i>			432					
<i>Prorocentrum micans</i>	192	2023	720	867		80		288
<i>Prorocentrum minimum</i>	1248	1445	576	289	560			6912
<i>Protoperidinium brevipes</i>			144			40		
<i>Protoperidinium granii</i>				289				
<i>Protoperidinium ovatum</i>					40			
<i>Protoperidinium</i> spp.	192	578			240			
<i>Protoperidinium steinii</i>			144				40	432
<i>Pseudo-nitzschia americana</i>	96							
<i>Pseudo-nitzschia delicatissima</i> group							80	
<i>Pseudo-nitzschia pseudodelicatissima</i>						200		
<i>Pseudo-nitzschia pungens</i>	96					80	80	864
<i>Rhizosolenia imbricata</i>						40		
<i>Scrippsiella</i> sp.	1440	3179	5760	3757	200			144
<i>Scrippsiella trochoidea</i>	768	1734	2592	1445	40			144
<i>Skeletonema costatum</i>							160	
<i>Thalassionema nitzschioides</i>						280		
<i>Thalassiosira baltica</i>				289	80	120		
<i>Thalassiosira punctigera</i>						40		
<i>Thalassiosira</i> spp.	96					200		
Tintinnida	13056	38437	9936	43350	1760	40	1520	11952
<i>Tintinnopsis</i> spp.							80	
Unarmoured dinoflagellate	5184	23698	22176	6069	400	80	40	2736
<b>8-Sep-09</b>								
<i>Alexandrium fundyense</i>		40	96					96
<i>Amphidinium carterae</i>	160	80	192					
<i>Amphidinium sphenoides</i>			96	80				
Armoured dinoflagellate	480	1120	960	240	200	80	80	2400
Centric diatom	40							
<i>Cerataulina pelagica</i>	80				160			
<i>Ceratium fusus</i>	80			200				
<i>Ceratium lineatum</i>	3320	4000	5952	2200		80	80	96

8-Sep-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Ceratium longipes</i>			96					
<i>Ceratium</i> spp.			1056					288
<i>Chaetoceros similis</i>				80			40	
<i>Commation cryoporinum</i>			96	80				
Copepoda		40		40	40		40	96
<i>Corethron hystrix</i>				40				
<i>Coscinodiscus concinnus</i>				80				
<i>Coscinodiscus radiatus</i>					40			
<i>Coscinodiscus</i> spp.	120				80			
<i>Coscinodiscus wailiesii</i>	480	360	288	400	40			
<i>Cylindrotheca closterium</i>	560	240	1248	880	800	280	40	
<i>Dictyocha speculum</i>	120	40		80	80		40	3264
<i>Dinophysis acuminata</i>	80	40		40		40		288
<i>Dinophysis fortii</i>		40						
<i>Dinophysis norvegica</i>	120	160	288	40				
<i>Dinophysis pulchella</i>		40						
<i>Ebria tripartita</i>			96		40		640	12096
<i>Entomoneis</i> spp.	40							
<i>Eutreptiella</i> sp.	3720	3600	9504	1400	80		480	864
<i>Favella</i> spp.					40			
<i>Gonyaulax digitale</i>	40		96					
<i>Gonyaulax spinifera</i>		40						
<i>Gyrodinium aureolum</i>	40	40	96	40				
<i>Gyrodinium</i> spp.	440	480	576	280	160			576
<i>Helicostomella</i> spp.	40							288
<i>Heterocapsa triquetra</i>								192
<i>Laboea</i> sp.	80	80	192					
<i>Lennoxia faveolata</i>				120				
<i>Leptocylindrus mediterraneus</i>	40	120	96	120	280			
<i>Leptocylindrus minimus</i>	160	160	384	320	80		40	96
<i>Mesodinium rubrum</i>	2600	6040	16704	320	40	40	600	2688
<i>Navicula distans</i>	40							
<i>Navicula transitans</i> var. <i>derasa</i>				80	40			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40					80		
<i>Oxytoxum gracile</i>					40			
Pennate diatom	200	40		80	80	80		
<i>Pleurosigma angulatum</i>	40						40	
<i>Pleurosigma strigosum</i>	40		96		40			
<i>Polykrikos</i> spp.	40			40				96
<i>Prorocentrum micans</i>	360	320	192	200			80	480
<i>Prorocentrum minimum</i>	40	120	288	160	40		40	1248
<i>Protopteridinium</i> spp.	40			80	40			
<i>Pseudo-nitzschia americana</i>		40				40		
<i>Pseudo-nitzschia delicatissima</i> group	120		96	120		40		
<i>Pseudo-nitzschia pungens</i>	240	80	288	320	80			
<i>Pseudo-nitzschia subpacific</i>				40	80			
<i>Rhizosolenia imbricata</i>	40							
<i>Scrippsiella</i> sp.	80		192					192
<i>Scrippsiella trochoidea</i>		40	192	40				96

<b>8-Sep-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Skeletonema costatum</i>	40					40	160	
<i>Thalassionema nitzschioides</i>					40	80		
<i>Thalassiosira punctigera</i>		40			80			
<i>Thalassiosira</i> spp.			192	40	120			
Tintinnida	7280	54910	12192	1200	440	40	280	22656
<i>Tintinnopsis beroidea</i>						40		
<i>Tintinnopsis</i> spp.							320	
Unarmoured dinoflagellate	360	520	2400	120	120	40	40	960
<b>15-Sep-09</b>								
<i>Amphidinium carterae</i>	384		576	160				144
<i>Amphidinium sphenoides</i>		144				40		
<i>Apedinella radians</i>	96	144		40				
Armoured dinoflagellate	3648	9504	3456	320	240		280	2448
<i>Aulacoseira ambigua</i>				40				
Centric diatom		288					40	
<i>Cerataulina pelagica</i>						40		
<i>Ceratium fusus</i>	192	144		40				
<i>Ceratium lineatum</i>	4416	19296	17856	6200	80		920	4032
<i>Ceratium</i> spp.		1008	432					1152
<i>Ceratium tripos</i>			144					
<i>Chaetoceros debilis</i>	192	144				40		
<i>Chaetoceros lacinosus</i>						40		
<i>Chaetoceros similis</i>				40			40	576
<i>Chaetoceros socialis</i>	576	144		320	40			
<i>Chaetoceros</i> spp. (Hyalochaete)	384				80	40		
<i>Commation cryoporinum</i>			144					
Copepoda				120		40	80	
<i>Corethron hystrix</i>							120	720
<i>Coscinodiscus concinnus</i>	192			160	40		40	
<i>Coscinodiscus</i> spp.	96	432			120			
<i>Coscinodiscus walesii</i>	1344	864	288	960	320			288
<i>Cylindrotheca closterium</i>	768	288	288	200	480	280	40	144
<i>Dictyocha speculum</i>	96	144					5160	28656
<i>Dinophysis acuminata</i>		288	432	120			80	1008
<i>Dinophysis fortii</i>		432	144					144
<i>Dinophysis norvegica</i>		576	144	120			40	
<i>Ebria tripartita</i>	96			40			520	11088
<i>Eucampia zodiacus</i>				40				
<i>Eutreptiella</i> sp.	3936	5184	7488	3000	40		200	576
<i>Favella</i> spp.				40				
<i>Gonyaulax digitale</i>			288					
<i>Gonyaulax spinifera</i>		144	288					720
<i>Guinardia flaccida</i>				120	80			
<i>Gyrodinium aureolum</i>	96		1152	40				144
<i>Gyrodinium</i> spp.	768	432	432	360		120	40	576
<i>Helicostomella</i> spp.	384	576					40	432
<i>Laboea</i> sp.	192	2304	288	480		40	80	144
<i>Leptocylindrus danicus</i>					40	40		
<i>Leptocylindrus mediterraneus</i>	192	288	576	200				



<b>15-Sep-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Leptocylindrus minimus</i>	288			40			40	288
<i>Membraneis challengeri</i>				160	80			
<i>Mesodinium rubrum</i>	4608	12240	8352	960	80	40	3720	4896
<i>Micracanthodinium claytonii</i>		432						
<i>Navicula transitans</i> var. <i>derasa</i>					120			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					80			
<i>Paralia sulcata</i>						40		
Pennate diatom						40		
<i>Pleurosigma strigosum</i>				40	40			
<i>Polykrikos</i> spp.	96	720	432	160				
<i>Prorocentrum micans</i>	384	432	864	200			80	1152
<i>Prorocentrum minimum</i>	96	1008		80	200	40		97682
<i>Protoperidinium bipes</i>					80			
<i>Protoperidinium punctulatum</i>	96							
<i>Protoperidinium</i> spp.			144	160	40			
<i>Protoperidinium steinii</i>	96							
<i>Pseudo-nitzschia americana</i>				40				
<i>Pseudo-nitzschia delicatissima</i> group				40	80			
<i>Pseudo-nitzschia pungens</i>	3744	10368	6048	9560	960	1160	80	1728
<i>Pseudo-nitzschia subpacificica</i>						40		
<i>Pseudo-nitzschia turgidula</i>				40				
<i>Scrippsiella</i> sp.	96	3744	2016					144
<i>Scrippsiella trochoidea</i>		720	1296	200			280	1296
<i>Stephanopyxis turris</i>						40		
<i>Thalassionema nitzschioides</i>						80		
<i>Thalassiosira punctigera</i>						40		
<i>Thalassiosira</i> spp.				240	40	40		
Tintinnida	10848	38736	17136	6280	1560	480	3440	15120
<i>Tintinnopsis beroidea</i>							160	
Unarmoured dinoflagellate	2304	5760	5184	680	120	80	320	2592
<b>22-Sep-09</b>								
<i>Actinopterychus senarius</i>						320		
<i>Alexandrium fundyense</i>	40							
<i>Amphidinium carterae</i>		40	288	160				
<i>Amphidinium sphenoides</i>			144	120				
<i>Apedinella radians</i>			288	80				
Armoured dinoflagellate	1040	8360	4176	2040	360	40	40	1728
Centric diatom		80	288					
<i>Cerataulina pelagica</i>	40			320				
<i>Ceratium fusus</i>	40			80				
<i>Ceratium lineatum</i>	800	2520	8208	4840	720	120	80	1728
<i>Ceratium</i> spp.	80							
<i>Chaetoceros debilis</i>				80		80		
<i>Chaetoceros lorenzianus</i>								96
<i>Chaetoceros similis</i>	40							
<i>Chaetoceros socialis</i>		360			120	200		
<i>Chaetoceros</i> spp. (Hyalochaete)	240	40	144	200	40	120	40	
Copepoda								96
<i>Corethron hystrix</i>	120	40	144				120	1152

22-Sep-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Coscinodiscus concinnus</i>	160		864	480		120		
<i>Coscinodiscus radiatus</i>						40		
<i>Coscinodiscus</i> spp.	160			80	40			96
<i>Coscinodiscus wailesii</i>	400	80	1296	520	120	40		
<i>Cylindrotheca closterium</i>	120	320	720	280	200	120		288
<i>Dactyliosolen fragilissimus</i>					400	120		
<i>Dictyocha speculum</i>	1400	480	1296	560	40	40	640	6720
<i>Dinophysis acuminata</i>				40	120			576
<i>Dinophysis norvegica</i>	40			80	40		40	672
<i>Dinophysis pulchella</i>		40						384
<i>Ebria tripartita</i>	40	80		40				288
<i>Entomoneis</i> spp.						40		
<i>Eucampia zodiacus</i>	40	40		200	240	120		
<i>Eutreptiella</i> sp.	840	1440	5040	1760	200		120	1344
<i>Gonyaulax digitale</i>				80				
<i>Gonyaulax spinifera</i>		120						
<i>Guinardia delicatula</i>	40			200	80	80		96
<i>Guinardia flaccida</i>	40	40		240	120	320		960
<i>Gyrodinium aureolum</i>	40		144					
<i>Gyrodinium</i> spp.	240	40	432	840	120	80		192
<i>Helicostomella</i> spp.	40							
<i>Heterocapsa triquetra</i>		40						
<i>Laboea</i> sp.	80	40	432	400	40	40		
<i>Lauderia annulata</i>	40							
<i>Lennoxia faveolata</i>	40							
<i>Leptocylindrus danicus</i>	160		144			40		
<i>Leptocylindrus mediterraneus</i>		40	576	280				
<i>Leptocylindrus minimus</i>	120	200		200			40	
<i>Membraneis challengeri</i>				40	40	40	40	
<i>Mesodinium rubrum</i>	2120	1360	12384	840	80		1200	6336
<i>Micracanthodinium claytonii</i>				80				
<i>Navicula distans</i>	120					40		96
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				40				
<i>Pleurosigma angulatum</i>		40						
<i>Pleurosigma strigosum</i>				40	80	80		
<i>Polykrikos</i> spp.	40			200				
<i>Proboscia alata</i>						40		
<i>Prorocentrum micans</i>	120	320	576	120				480
<i>Prorocentrum minimum</i>	120	120	432	120	120			2976
<i>Prorocentrum</i> sp. (small)		40						
<i>Protoperidinium</i> spp.		40	432	40	40			96
<i>Pseudo-nitzschia americana</i>	40					40		
<i>Pseudo-nitzschia delicatissima</i>		80				40		
<i>Pseudo-nitzschia delicatissima</i> group	80							
<i>Pseudo-nitzschia fraudulenta</i>	40	120		120		40		
<i>Pseudo-nitzschia pseudodelicatissima</i>			432			80		
<i>Pseudo-nitzschia pungens</i>	1880	2080	3168	7080	5160	3280	80	1056
<i>Pseudo-nitzschia seriata</i>	40							
<i>Pseudo-nitzschia seriata</i> group			144				40	

22-Sep-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Rhizosolenia setigera</i>						40		
<i>Scrippsiella</i> sp.		120	1440	600				192
<i>Scrippsiella trochoidea</i>	400	200	1872	760	40		40	1632
<i>Skeletonema costatum</i>		40						
<i>Stephanopyxis turris</i>					80			
<i>Thalassionema nitzschioides</i>						80		
<i>Thalassiosira baltica</i>						40		
<i>Thalassiosira gravida</i>	80							
<i>Thalassiosira punctigera</i>	40	120	144			40		
<i>Thalassiosira</i> sp. (tiny)	40							
<i>Thalassiosira</i> spp.	200		144	400	280	240		
Tintinnida	5040	9800	11952	5560	440	160	80	9696
<i>Tintinnopsis beroidea</i>	40						80	
Unarmoured dinoflagellate	600	480	864	1360	80	120		480
<b>29-Sep-09</b>								
<i>Actinopterychus senarius</i>	80			480	160			
<i>Alexandrium fundyense</i>		40	40					
<i>Amphidinium carterae</i>	200	120	120					288
<i>Amphidinium sphenoides</i>					80			
<i>Apedinella radians</i>		80		96				
Armoured dinoflagellate	1080	4400	5360	4128	240		40	1248
<i>Bacillaria paxillifera</i>								96
<i>Biddulphia alternans</i>		40						
<i>Calliacantha</i> sp.								96
Centric diatom	80							96
<i>Cerataulina pelagica</i>		40				40	1040	
<i>Ceratium fusus</i>	40			96	40			
<i>Ceratium lineatum</i>	1400	5120	2960	6240	80	40		480
<i>Chaetoceros debilis</i>	40				80			
<i>Chaetoceros socialis</i>			40					
<i>Chaetoceros</i> spp. (Hyalochaete)	160				40	40		
<i>Commation cryoporinum</i>	80				40			
Copepoda	80	40		96		40		
<i>Corethron hystrix</i>		40	40			40	40	192
<i>Coscinodiscus concinnus</i>	40		120			120	40	
<i>Coscinodiscus</i> spp.	40		120		40		40	96
<i>Coscinodiscus wailesii</i>	160		120	288	40			
<i>Cylindrotheca closterium</i>	320	80	120	96	560	320	80	2304
<i>Dactyliosolen fragilissimus</i>		40						
<i>Dictyocha speculum</i>	280	200	200	480	80	40	160	576
<i>Dinophysis acuminata</i>	40		40	480	80			192
<i>Dinophysis fortii</i>								96
<i>Dinophysis norvegica</i>	80			96			40	96
<i>Dinophysis pulchella</i>								192
<i>Ebria tripartita</i>							80	384
<i>Entomoneis</i> spp.						120		
<i>Eucampia zodiacus</i>			160		80	80		
<i>Eutintinnus</i> sp.		40						
<i>Eutreptiella</i> sp.	480	2400	1200	6720	80		240	1344

29-Sep-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Gonyaulax digitale</i>	80							
<i>Gonyaulax spinifera</i>		40	200					1056
<i>Guinardia delicatula</i>	80		160	192	80	120	40	384
<i>Guinardia flaccida</i>	120						40	384
<i>Guinardia striata</i>			80		40			
<i>Gyrodinium aureolum</i>		40	360	864				
<i>Gyrodinium</i> spp.	120	40	640	672	40	80	40	192
<i>Helicostomella</i> spp.	40							
<i>Heterocapsa triquetra</i>		160	160					
<i>Laboea</i> sp.	80	120	200	384			80	
<i>Lauderia annulata</i>	80							
<i>Lennoxia faveolata</i>		80						
<i>Leptocylindrus danicus</i>	40	40	120		40			
<i>Leptocylindrus mediterraneus</i>	40	80	120	288	120	40		
<i>Leptocylindrus minimus</i>	40	40	200	576		40		96
<i>Licmophora</i> spp.								288
<i>Membraneis challengeri</i>	40		40		80	40		
<i>Mesodinium rubrum</i>	3000	2680	1120	1344			2240	11808
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			40			40		
Pennate diatom	40	40					120	8640
<i>Pleurosigma / Gyrosigma</i>		40						192
<i>Pleurosigma strigosum</i>	40				80	120		
<i>Polykrikos</i> spp.			40					
<i>Proboscia alata</i>					40	120		
<i>Prorocentrum micans</i>	320	120	720	384				288
<i>Prorocentrum minimum</i>			120	96	40			96
<i>Protoperidinium bipes</i>				96				
<i>Protoperidinium cerasus</i>					40			
<i>Protoperidinium</i> spp.		40		288				
<i>Protoperidinium steinii</i>			80					
<i>Pseudo-nitzschia americana</i>			40					
<i>Pseudo-nitzschia delicatissima</i> group	40	80		96	80		40	
<i>Pseudo-nitzschia pseudodelicatissima</i>						40		
<i>Pseudo-nitzschia pungens</i>		40		288	40	400	40	
<i>Pseudo-nitzschia subpacificia</i>						40		
<i>Pterosperma</i> sp.	40			480	40			
<i>Rhizosolenia imbricata</i>			40					
<i>Scrippsiella</i> sp.	40	200	40					
<i>Scrippsiella trochoidea</i>	120	40	920	288			40	672
<i>Skeletonema costatum</i>							80	96
<i>Stephanopyxis turris</i>					40	40		
<i>Thalassionema nitzschioides</i>						40		
<i>Thalassiosira baltica</i>							40	
<i>Thalassiosira gravida</i>	40			96	80	40		
<i>Thalassiosira punctigera</i>	80		40		40			192
<i>Thalassiosira</i> spp.	40	80	200			80	40	
Tintinnida	3320	5920	1560	7296	320	240	120	5088
<i>Tintinnopsis</i> spp.								96
Unarmoured dinoflagellate	440	720	1960	2880	120		40	384

14-Oct-09	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Actinoptychus senarius</i>	260	500	280	560	400	360	120	240
<i>Amphidinium carterae</i>			20		40			160
Armoured dinoflagellate	40		200	120	80			280
<i>Biddulphia alternans</i>			40					
Centric diatom	20				40			80
<i>Cerataulina pelagica</i>	160	140	60	80	40	80	200	1600
<i>Ceratium fusus</i>				40				
<i>Ceratium lineatum</i>	140	40	380	240	600			160
<i>Ceratium tripos</i>					40			80
<i>Chaetoceros debilis</i>	40							
<i>Chaetoceros didymus</i>			20					
<i>Chaetoceros lorenzianus</i>								40
<i>Chaetoceros similis</i>		20						40
<i>Chaetoceros socialis</i>				40		80		
<i>Chaetoceros</i> spp. (Hyalochaete)	20		20	40				120
Copepoda		40					40	40
<i>Corethron hystrix</i>		20				40	40	400
<i>Coscinodiscus concinnus</i>			40	40				
<i>Coscinodiscus</i> spp.	40	100	40	40	80			
<i>Coscinodiscus wailesii</i>	60		60	40				120
<i>Cylindrotheca closterium</i>	320	740	460	360	640	80	40	360
<i>Dictyocha speculum</i>	80	20	40	40	80		80	560
<i>Dinophysis acuminata</i>								80
<i>Dinophysis norvegica</i>	20		20		80			
<i>Dinophysis pulchella</i>			20					40
<i>Ditylum brightwellii</i>		20		80		40		
<i>Entomoneis</i> spp.						40		
<i>Eucampia zodiacus</i>	120		60	160	40		80	1120
<i>Eutreptiella</i> sp.	80	40	160	120	160			2320
<i>Gonyaulax spinifera</i>			40					160
<i>Guinardia delicatula</i>	360	80	260	40		80	240	1480
<i>Guinardia flaccida</i>	540	140	240	520	520	280	440	5120
<i>Guinardia striata</i>	80	60						
<i>Gyrodinium</i> spp.	60	60	80	40				80
<i>Gyrosigma fasciola</i>		20						
<i>Gyrosigma</i> spp.	40							
<i>Helicostomella</i> spp.	160							
<i>Laboea</i> sp.	80		60				160	
<i>Leptocylindrus danicus</i>	40	20	20					40
<i>Leptocylindrus minimus</i>	60							
<i>Licmophora</i> spp.	20							40
<i>Mediopyxis helysia</i>						40		
<i>Melosira nummuloides</i>					40			
<i>Mesodinium rubrum</i>	820	80	500	160	200		360	920
<i>Navicula distans</i>	120	60					40	
<i>Paralia sulcata</i>	20	20						40
Pennate diatom	40	40		80	120			40
<i>Pleurosigma strigosum</i>	60	40	40	120	40	40		80
<i>Prorocentrum micans</i>	140	40	100	240	280			640

14-Oct-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Prorocentrum minimum</i>			40	80				240
<i>Protoperdinium excentricum</i>								40
<i>Pseudo-nitzschia americana</i>	20	20					40	
<i>Pseudo-nitzschia delicatissima</i>	40	20						
<i>Pseudo-nitzschia delicatissima</i> group			20					
<i>Pseudo-nitzschia fraudulentata</i>	20							
<i>Pseudo-nitzschia pseudodelicatissima</i>		20						
<i>Pseudo-nitzschia pungens</i>	20	20	20	120	240	200		
<i>Rhizosolenia setigera</i>					40		200	480
<i>Scrippsiella trochoidea</i>			60	40	40		40	40
<i>Skeletonema costatum</i>							40	
<i>Stephanopyxis turris</i>	60	20	20		40			40
<i>Thalassionema nitzschioides</i>	20	20	80		40	40		
<i>Thalassiosira baltica</i>				160		80		
<i>Thalassiosira gravida</i>		20			40			120
<i>Thalassiosira punctigera</i>	60	40	60	40	80	40		200
<i>Thalassiosira</i> spp.	20	80	60	120		80	40	80
Tintinnida	440	80	260	200	280	320	40	1080
<i>Tintinnopsis beroidea</i>							40	
Unarmoured dinoflagellate	60	60				40	200	440
<b>20-Oct-09</b>								
<i>Actinoptychus senarius</i>							80	160
<i>Amphidinium carterae</i>								80
Armoured dinoflagellate	240							160
Centric diatom								40
<i>Cerataulina pelagica</i>	80						120	160
<i>Ceratium lineatum</i>	520							240
<i>Ceratium</i> spp.	40							
<i>Chaetoceros lorenzianus</i>	40							
<i>Chaetoceros similis</i>							40	
<i>Chaetoceros socialis</i>								40
<i>Chaetoceros</i> spp. (Hyalochaete)	40						40	80
Copepoda	80							
<i>Corethron hystrix</i>	40							200
<i>Coscinodiscus</i> spp.								40
<i>Cylindrotheca closterium</i>	1080						80	560
<i>Dictyocha speculum</i>	40						80	680
<i>Dinophysis norvegica</i>								40
<i>Eucampia zodiacus</i>	40						40	320
<i>Eutreptiella</i> sp.	120						200	280
<i>Gonyaulax digitale</i>	40							
<i>Guinardia delicatula</i>							280	1320
<i>Guinardia flaccida</i>	160						80	1760
<i>Gyrodinium aureolum</i>	40							40
<i>Gyrodinium</i> spp.	120						40	
<i>Gyrosigma tenuissimum</i>	40							
<i>Heterocapsa triquetra</i>	40							
<i>Laboea</i> sp.	240							120
<i>Mesodinium rubrum</i>	2680						280	3200

20-Oct-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Paralia sulcata</i>							40	
Pennate diatom	160							40
<i>Pleurosigma strigosum</i>	80						80	
<i>Prorocentrum micans</i>	520						160	400
<i>Protoperidinium</i> spp.								200
<i>Protoperidinium steinii</i>	40							
<i>Pseudo-nitzschia delicatissima</i>	40							
<i>Pseudo-nitzschia delicatissima</i> group							40	
<i>Pseudo-nitzschia fraudulenta</i>	40							
<i>Rhizosolenia setigera</i>	80						320	280
<i>Scrippsiella trochoidea</i>	80							40
<i>Skeletonema costatum</i>							120	
<i>Thalassionema nitzschioides</i>	40							
<i>Thalassiosira gravida</i>	80							80
<i>Thalassiosira punctigera</i>							40	200
<i>Thalassiosira</i> spp.	40						80	200
Tintinnida	920						40	440
Unarmoured dinoflagellate	120							200
<b>27-Oct-09</b>								
<i>Actinoptychus senarius</i>	280	240	80		320			288
<i>Alexandrium fundyense</i>								96
<i>Amphidinium carterae</i>		40				40		
Armoured dinoflagellate	120		360	120			80	1440
<i>Aulacoseira ambigua</i>						40		2304
Centric diatom		40						
<i>Cerataulina pelagica</i>					40			480
<i>Ceratium fusus</i>			40	40				
<i>Ceratium lineatum</i>	920	40	1240	480			40	4128
<i>Ceratium tripos</i>			40					96
<i>Chaetoceros debilis</i>				80				96
<i>Chaetoceros similis</i>								192
<i>Chaetoceros</i> spp. (Hyalochaete)	40		80					192
Copepoda		80	80					
<i>Corethron hystrix</i>	40			40	40			576
<i>Coscinodiscus</i> spp.		80						
<i>Coscinodiscus wailesii</i>		40						
<i>Cylindrotheca closterium</i>	1200	1840	2480	1200	600	320	200	1440
<i>Dictyocha speculum</i>	40	80	80				40	960
<i>Dinophysis acuminata</i>			40					192
<i>Dinophysis norvegica</i>	80		120					288
<i>Ditylum brightwellii</i>		40	40	40	80			
<i>Entomoneis</i> spp.						80		
<i>Eucampia zodiacus</i>	40	40	80					96
<i>Eutreptiella</i> sp.	880	120	800	520			40	9696
<i>Gonyaulax digitale</i>	40							
<i>Guinardia delicatula</i>	40	40	120		80		320	288
<i>Guinardia flaccida</i>			160		160	80		96
<i>Gyrodinium aureolum</i>			40					
<i>Gyrodinium</i> spp.	280		120	120	80			768

27-Oct-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Gyrosigma tenuissimum</i>	40							
<i>Helicostomella</i> spp.	40							
<i>Helicotheca tamesis</i>					120			
<i>Heterocapsa triquetra</i>			360	120				1248
<i>Laboea</i> sp.			120				40	96
<i>Leptocylindrus danicus</i>		40						
<i>Leptocylindrus minimus</i>			40		80			
<i>Mesodinium rubrum</i>	360	360	1960	240	80		760	7392
<i>Navicula distans</i>	40				80		40	
<i>Navicula transitans</i> var. <i>derasa</i>				40				
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		40	40					
<i>Odontella sinensis</i>		40						
Pennate diatom	80	80	40		80	40	80	96
<i>Pleurosigma strigosum</i>		80	40		40		80	
<i>Polykrikos</i> spp.		40						
<i>Prorocentrum micans</i>	640	80	1280	240			80	2880
<i>Prorocentrum minimum</i>	80			80	40			96
<i>Protoperidinium punctulatum</i>								192
<i>Protoperidinium</i> spp.								192
<i>Pseudo-nitzschia americana</i>		40						
<i>Pseudo-nitzschia delicatissima</i>							40	
<i>Pseudo-nitzschia delicatissima</i> group	40		80		40			
<i>Pseudo-nitzschia pungens</i>			40					
<i>Rhizosolenia setigera</i>	40					40	160	384
<i>Scrippsiella trochoidea</i>			80	40				288
<i>Skeletonema costatum</i>	40		40				80	192
<i>Stephanopyxis turris</i>			40					
<i>Thalassionema nitzschioides</i>	40		160		240			
<i>Thalassiosira baltica</i>				40		80		
<i>Thalassiosira gravida</i>						40	40	96
<i>Thalassiosira punctigera</i>	40		40	40	40	40	40	864
<i>Thalassiosira</i> sp. (tiny)					40			
<i>Thalassiosira</i> spp.	80	120	40	80	80		80	192
Tintinnida	1800	320	1000	120	40	80	160	5760
<i>Tintinnopsis beroidea</i>				40			40	
<i>Tintinnopsis</i> spp.		40						
Unarmoured dinoflagellate	400	160	520	360			120	1536
<b>17-Nov-09</b>								
<i>Actinoptychus senarius</i>	160	80	280		80	400		240
<i>Alexandrium fundyense</i>								40
<i>Alexandrium ostenfeldii</i>								120
<i>Amphidinium carterae</i>		120	40			40		120
<i>Amphidinium sphenoides</i>					80			
<i>Apedinella radians</i>								40
Armoured dinoflagellate	80	400	280	200				200
<i>Asterionella formosa</i>							80	
<i>Asterionellopsis glacialis</i>	80					80		
Centric diatom		80		40			40	
<i>Cerataulina pelagica</i>			40					





<b>17-Nov-09 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassiosira punctigera</i>	40	280	240	120	80	40	120	400
<i>Thalassiosira</i> spp.	80	40	40	40			40	
Tintinnida	80	1360	680	240	40		80	2200
<i>Tintinnopsis beroidea</i>		120			40	40		40
Unarmoured dinoflagellate	80	200	200					680
<b>15-Dec-09</b>								
<i>Actinoptychus senarius</i>		160		80				
<i>Amphidinium carterae</i>							40	80
Armoured dinoflagellate			40	40	40			40
<i>Asterionellopsis glacialis</i>	80							
Centric diatom			120					
<i>Ceratium lineatum</i>			40					
<i>Ceratium</i> spp.							40	
<i>Chaetoceros similis</i>			40	40				40
<i>Chaetoceros</i> spp. (Hyalochaete)	40		40	40		40		
<i>Corethron hystrix</i>	40							
<i>Coscinodiscus wailesii</i>		40						
<i>Cylindrotheca closterium</i>	1440	960	960	1280	1160	480	1120	2520
<i>Detonula confervacea</i>			40					
<i>Dictyocha speculum</i>		80	160		40	40		160
<i>Dinobryon</i> spp.							40	
<i>Dinophysis acuminata</i>	40							40
<i>Dinophysis norvegica</i>							40	40
<i>Ditylum brightwellii</i>	80			120	40	40		
<i>Ebria tripartita</i>					40			
<i>Entomoneis</i> spp.						40		
<i>Eutreptiella</i> sp.				40				680
<i>Guinardia delicatula</i>	40	40			40	40		
<i>Gyrodinium</i> spp.		40		80	40			80
<i>Heterocapsa triquetra</i>				40				40
<i>Laboea</i> sp.	40							40
<i>Leptocylindrus minimus</i>	40						40	
<i>Membraneis challengerii</i>				40				
<i>Mesodinium rubrum</i>	680	480	240				480	560
<i>Micracanthodinium claytonii</i>								40
<i>Navicula distans</i>		80		40		120		40
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40							40
<i>Odontella sinensis</i>				40				
Pennate diatom			240	120	120		120	40
<i>Pleurosigma angulatum</i>			40	40			40	
<i>Pleurosigma strigosum</i>		40						
<i>Porosira glacialis</i>	40							
<i>Prorocentrum micans</i>	200	80	240	120	40		240	920
<i>Pseudo-nitzschia delicatissima</i> group	80	40						
<i>Rhizosolenia setigera</i>	40							40
<i>Skeletonema costatum</i>								80
<i>Stephanopyxis turris</i>	40	40					80	
<i>Thalassionema nitzschioides</i>					40	80	80	
<i>Thalassiosira baltica</i>					80			

15-Dec-09 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira gravida</i>	40			40				
<i>Thalassiosira punctigera</i>	40		40				200	400
<i>Thalassiosira</i> sp. (tiny)		40						
<i>Thalassiosira</i> spp.	120	120					40	40
Tintinnida	120	120	80	120	80		160	320
<i>Tintinnopsis beroidea</i>		40						
Unarmoured dinoflagellate			40		40		40	360
<b>27-Jan-10</b>								
Armoured dinoflagellate	40							80
<i>Asterionellopsis glacialis</i>						40		
Centric diatom			120			80		
<i>Ceratium lineatum</i>					40			
<i>Ceratium tripos</i>					40			
<i>Chaetoceros similis</i>							40	
<i>Chaetoceros</i> spp. (Hyalochaete)								80
Copepoda							40	40
<i>Corethron hystrix</i>			40					
<i>Coscinodiscus</i> spp.					40			
<i>Cylindrotheca closterium</i>	800	400	1440	400	600	280	520	720
<i>Dictyocha speculum</i>			40					40
<i>Ditylum brightwellii</i>		40			40			
<i>Eutreptiella</i> sp.								120
<i>Guinardia delicatula</i>	40	120	40	40		40	80	
<i>Guinardia flaccida</i>						40		
<i>Gyrodinium</i> spp.	40		40	40				
<i>Laboea</i> sp.							200	
<i>Leptocylindrus minimus</i>			40					
<i>Licmophora</i> spp.	40							
<i>Membraneis challengerii</i>						40		
<i>Mesodinium rubrum</i>	880	600	560	40	40		440	2120
<i>Navicula distans</i>		40	40	40	40	80		
<i>Odontella aurita</i>						40		
Pennate diatom	40	80	40	40			40	
<i>Pleurosigma angulatum</i>							40	
<i>Pleurosigma strigosum</i>						40	40	
<i>Porosira glacialis</i>								40
<i>Prorocentrum micans</i>	40	200	40					
<i>Protoperidinium</i> spp.		40						
<i>Pseudo-nitzschia delicatissima</i>				80			80	
<i>Pseudo-nitzschia delicatissima</i> group	40		40					160
<i>Pseudo-nitzschia pungens</i>		40						
<i>Rhizosolenia setigera</i>				40			160	120
<i>Rhizosolenia</i> spp.			40					
<i>Skeletonema costatum</i>					40		80	
<i>Thalassionema nitzschioides</i>		80	40	40				40
<i>Thalassiosira gravida</i>	40							80
<i>Thalassiosira nordenskiöldii</i>		40						
<i>Thalassiosira punctigera</i>	40	40					40	120
<i>Thalassiosira</i> spp.	120			80	80	80	40	40

27-Jan-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Tintinnida	2440	80	80		40	80	80	360
Unarmoured dinoflagellate								120
<b>16-Feb-10</b>								
<i>Alexandrium fundyense</i>						40		
<i>Amphidinium carterae</i>	40	80						
<i>Amphidinium sphenoides</i>								40
<i>Apedinella radians</i>	40							
<i>Asterionellopsis glacialis</i>	40							
<i>Chaetoceros similis</i>	40							80
<i>Chaetoceros simplex</i>								280
<i>Chaetoceros</i> spp. (Hyalochaete)	200	40	120		40		40	240
<i>Commation cryoporinum</i>	40			40				40
<i>Corethron hystrix</i>					40			40
<i>Coscinodiscus radiatus</i>						40		
<i>Cylindrotheca closterium</i>	640	1400	600	560	1240	600	400	720
<i>Dictyocha speculum</i>		240	80	40	80			120
<i>Dinophysis acuminata</i>				40				
<i>Ditylum brightwellii</i>				120				
<i>Eutreptiella</i> sp.				40				
<i>Guinardia delicatula</i>					80			
<i>Gyrodinium</i> spp.		80	40				40	
<i>Helicotheca tamesis</i>			40					
<i>Leptocylindrus minimus</i>		80					40	
<i>Mesodinium rubrum</i>	400	800	240	80	40		520	120
<i>Navicula distans</i>	80	40		40		120	40	
<i>Navicula transitans</i> var. <i>derasa</i>	40							
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			40					
Pennate diatom		560	120		80	80	40	40
<i>Phaeocystis pouchetii</i>								40
<i>Pleurosigma</i> / <i>Gyrosigma</i>					40			
<i>Pleurosigma angulatum</i>						40		
<i>Pleurosigma strigosum</i>	40						40	40
<i>Prorocentrum micans</i>	40							
<i>Pseudo-nitzschia delicatissima</i>		160		40	40			
<i>Pseudo-nitzschia delicatissima</i> group			80					80
<i>Rhizosolenia setigera</i>	40							
<i>Skeletonema costatum</i>	40	40					40	
<i>Thalassionema nitzschioides</i>	80	40			80	80		
<i>Thalassiosira anguste-lineata</i>				40				
<i>Thalassiosira gravida</i>	40	40						
<i>Thalassiosira nordenskiöldii</i>				40				
<i>Thalassiosira punctigera</i>				80	80			
<i>Thalassiosira</i> spp.	40	40	120	80	40	40	120	80
Tintinnida	160	560	40	40	80	40	120	160
<i>Tintinnopsis beroidea</i>						40		
Unarmoured dinoflagellate	40							40
<b>16-Mar-10</b>								
<i>Alexandrium fundyense</i>	40	200						
<i>Alexandrium fundyense</i> (duplet)		80						

<b>16-Mar-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Apedinella radians</i>								40
Armoured dinoflagellate	40		40	80			40	
<i>Asterionellopsis glacialis</i>		40			40			40
<i>Ceratium lineatum</i>		40						
<i>Ceratium tripos</i>			40					
<i>Chaetoceros concavicornis</i>								40
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		40						
<i>Chaetoceros debilis</i>								40
<i>Chaetoceros similis</i>	40						80	80
<i>Chaetoceros</i> spp. (Hyalochaete)			80	80			120	240
<i>Commation cryoporinum</i>	40		40					
Copepoda				40				
<i>Corethron hystrix</i>								40
<i>Coscinodiscus radiatus</i>				120				
<i>Coscinodiscus</i> spp.				40	40	40		
<i>Cylindrotheca closterium</i>	720	520	480	320	80	520	40	760
<i>Dictyocha speculum</i>	120	80	80	40		40		80
<i>Dinobryon</i> spp.							40	
<i>Eutreptiella</i> sp.			40					120
<i>Favella</i> spp.					40			
<i>Guinardia delicatula</i>		40		40				
<i>Gyrodinium</i> spp.	40	280	40	40	80	40	40	
<i>Gyrosigma fasciola</i>	40							
<i>Heterocapsa triquetra</i>			40				40	
<i>Laboea</i> sp.				120	40			40
<i>Mesodinium rubrum</i>	920	1080	840	840	440		320	720
<i>Navicula distans</i>	200		40			80	40	40
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40		80	40	40	40		
<i>Odontella aurita</i>								40
Pennate diatom		40				200	80	
<i>Pleurosigma angulatum</i>							80	
<i>Porosira glacialis</i>								40
<i>Prorocentrum micans</i>					40			
<i>Protoperdinium</i> spp.		40						
<i>Pseudo-nitzschia delicatissima</i>				80				
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>			80					
<i>Rhizosolenia setigera</i>	40			40		40		
<i>Skeletonema costatum</i>	160	240					40	
<i>Stephanopyxis turris</i>	40							40
<i>Thalassionema nitzschioides</i>		40						
<i>Thalassiosira anguste-lineata</i>				40				
<i>Thalassiosira gravida</i>								40
<i>Thalassiosira nordenskioeldii</i>	200					40		360
<i>Thalassiosira punctigera</i>						40		
<i>Thalassiosira</i> spp.	280	40	120	80	80	280	80	920
Tintinnida	440	520	200	360	160	80	120	560
Unarmoured dinoflagellate	120	80			40			40
<b>13-Apr-10</b>								
<i>Alexandrium fundyense</i>			288					

13-Apr-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Amphidinium carterae</i>	96							
<i>Amphidinium sphenoides</i>		40						
Armoured dinoflagellate				144			40	
<i>Asterionella formosa</i>							120	
<i>Asterionellopsis glacialis</i>					120	40		144
<i>Aulacoseira ambigua</i>							40	
<i>Brachionus</i> spp.								144
<i>Ceratium longipes</i>		40	144					
<i>Chaetoceros concavicornis</i>		120						
<i>Chaetoceros convolutus / concavicornis</i>	96							
<i>Chaetoceros debilis</i>	384	80	720				240	576
<i>Chaetoceros decipiens</i>					40	40		
<i>Chaetoceros filiformis</i>							80	
<i>Chaetoceros similis</i>		40	144				40	
<i>Chaetoceros</i> spp. (Hyalochaete)	1728	360	3888	2448	600	80	1040	7632
<i>Chaetoceros</i> spp. (Phaeoceros)					40			
<i>Chaetoceros teres</i>	96							144
<i>Commation cryoporinum</i>	96						40	
<i>Coscinodiscus radiatus</i>					40			
<i>Cylindrotheca closterium</i>	672	280	864	432	160	240	80	144
<i>Dactyliosolen fragilissimus</i>		40						
<i>Dictyocha speculum</i>	192			144	120			
<i>Dinobryon</i> spp.							160	
<i>Ditylum brightwellii</i>				144				
<i>Eutreptiella</i> sp.	96						80	576
<i>Gyrodinium</i> spp.	480	40			40	80	80	
<i>Leptocylindrus minimus</i>		40	144					
<i>Licmophora</i> spp.	96							
<i>Mediopyxis helysia</i>	96							
<i>Melosira nummuloides</i>							40	
<i>Mesodinium rubrum</i>	2496	200	4464	288	80		3040	576
<i>Navicula distans</i>	96	80			240	120	120	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	288		144		120		40	
<i>Odontella aurita</i>				144				
<i>Oxytoxum gracile</i>	96							
Pennate diatom		80	288				80	144
<i>Pleurosigma angulatum</i>						40		
<i>Pleurosigma strigosum</i>						40		
<i>Porosira glacialis</i>	96	40						144
<i>Proocentrum minimum</i>			144					
<i>Protoperidinium</i> spp.				288				144
<i>Pseudo-nitzschia delicatissima</i> group	192	120						288
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>						40		
<i>Skeletonema costatum</i>	96	40	144				40	144
<i>Stephanopyxis turris</i>	192	120		144				576
<i>Thalassionema nitzschioides</i>	96							
<i>Thalassiosira anguste-lineata</i>	96					40	40	
<i>Thalassiosira gravida</i>					120	120		
<i>Thalassiosira nordenskiöldii</i>	6624	3760	17280	19152	1840	520	5560	37296



<b>4-May-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Stephanopyxis turris</i>	40	120	240	200	40	80		80
<i>Thalassiosira anguste-lineata</i>							40	
<i>Thalassiosira gravida</i>	200	40	320	200			40	
<i>Thalassiosira nordenskiöldii</i>	400	520	1480	3240	120	120	800	760
<i>Thalassiosira</i> spp.	200	680	4760	25280	3960	1440	320	520
Tintinnida	600	520		520	480	80	2040	800
<i>Tintinnopsis beroidea</i>				40		80		
Unarmoured dinoflagellate	400	280	440	480	360	40	520	1440
<b>11-May-10</b>								
<i>Amphidinium carterae</i>								40
<i>Amphidinium sphenoides</i>							480	600
Armoured dinoflagellate								80
<i>Attheya septentrionalis</i>							80	440
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>							120	80
<i>Chaetoceros debilis</i>							880	3840
<i>Chaetoceros diadema</i>								120
<i>Chaetoceros furcellatus</i>							480	3320
<i>Chaetoceros lacinosus</i>							40	520
<i>Chaetoceros similis</i>							200	
<i>Chaetoceros socialis</i>							1680	960
<i>Chaetoceros</i> spp. (Hyalochaete)							440	6400
<i>Chaetoceros subtilis</i>								40
<i>Chaetoceros teres</i>							120	120
<i>Cylindrotheca closterium</i>							280	320
<i>Dactyliosolen fragilissimus</i>							80	
<i>Eutreptiella</i> sp.							80	40
<i>Gyrodinium</i> spp.							760	40
<i>Laboea</i> sp.							40	
<i>Leptocylindrus minimus</i>							120	720
<i>Mesodinium rubrum</i>							3040	80
<i>Navicula distans</i>							80	
Pennate diatom							80	80
<i>Phaeocystis pouchetii</i>							40	
<i>Porosira glacialis</i>								120
<i>Pseudo-nitzschia delicatissima</i>							920	3240
<i>Thalassiosira nordenskiöldii</i>							80	120
<i>Thalassiosira</i> spp.							40	80
Tintinnida							960	40
Unarmoured dinoflagellate							1400	360
<i>Urosolenia eriensis</i>								40
<b>12-May-10</b>								
<i>Alexandrium fundyense</i>			144	120				
<i>Amphidinium sphenoides</i>			1008	578	1440	80		
Armoured dinoflagellate			144		144			
<i>Attheya septentrionalis</i>			288					
<i>Chaetoceros contortus</i>			144			80		
<i>Chaetoceros convolutus</i>			144					
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>			432					
<i>Chaetoceros debilis</i>			5760	26010	4896	80		



12-May-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros decipiens</i>			144					
<i>Chaetoceros diadema</i>				578	288			
<i>Chaetoceros furcellatus</i>			432	2312	144	240		
<i>Chaetoceros laciniosus</i>			5616	2312				
<i>Chaetoceros socialis</i>			25920	5780	4032			
<i>Chaetoceros</i> spp. (Hyalochaete)			6048	25432	21600	160		
<i>Chaetoceros</i> spp. (Phaeoceros)				578	144			
<i>Chaetoceros teres</i>					288			
Copepoda							80	
<i>Cylindrotheca closterium</i>				1156	144	80		
<i>Eutreptiella</i> sp.			288	578	144			
<i>Guinardia flaccida</i>							40	
<i>Gyrodinium</i> spp.			288	2890	1008	240		
<i>Leptocylindrus minimus</i>			144	578				
<i>Mediopyxis helysia</i>							40	
<i>Mesodinium rubrum</i>			1440	1156	144	40		
<i>Navicula distans</i>							40	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			144		144			
Pennate diatom			288					
<i>Porosira glacialis</i>			288	1156				
<i>Prorocentrum minimum</i>			144	578				
<i>Pseudo-nitzschia delicatissima</i>			4032	3468	1008			
<i>Stephanopyxis turris</i>			432		576			
<i>Thalassionema nitzschioides</i>				578				
<i>Thalassiosira gravida</i>			144					
<i>Thalassiosira nordenskiöldii</i>			4896	93636	22608	120		
<i>Thalassiosira</i> spp.			2880	41616	34128	160		
Tintinnida			720	578	1008			
Unarmoured dinoflagellate			1296					
<b>13-May-10</b>								
<i>Alexandrium fundyense</i>		96						
<i>Amphidinium sphenoides</i>	400	480						
Armoured dinoflagellate		192						
<i>Asterionellopsis glacialis</i>	160	96						
<i>Attheya septentrionalis</i>		1248						
<i>Brachionus</i> spp.	40							
<i>Chaetoceros contortus</i>		192						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	240	480						
<i>Chaetoceros debilis</i>	1520	5760						
<i>Chaetoceros decipiens</i>		384						
<i>Chaetoceros diadema</i>	40							
<i>Chaetoceros furcellatus</i>	560	192						
<i>Chaetoceros laciniosus</i>	840	2400						
<i>Chaetoceros similis</i>		192						
<i>Chaetoceros socialis</i>	8120	18432						
<i>Chaetoceros</i> spp. (Hyalochaete)	1960	6144						
<i>Chaetoceros teres</i>	40							
<i>Cylindrotheca closterium</i>	320	96						
<i>Dactyliosolen fragilissimus</i>	120							

<b>13-May-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Eutreptiella</i> sp.	160	384						
<i>Gyrodinium</i> spp.	120	768						
<i>Leptocylindrus minimus</i>	200	288						
<i>Mesodinium rubrum</i>	1240	384						
<i>Navicula distans</i>	80							
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40	96						
Pennate diatom	120							
<i>Phaeocystis pouchetii</i>	160	480						
<i>Porosira glacialis</i>	200							
<i>Protoperdinium</i> spp.	40							
<i>Pseudo-nitzschia delicatissima</i>	1560	5280						
<i>Skeletonema costatum</i>	40							
<i>Stephanopyxis turris</i>		672						
<i>Thalassiosira gravida</i>	40							
<i>Thalassiosira nordenskioeldii</i>	760	4896						
<i>Thalassiosira</i> spp.	720	3072						
Tintinnida	160	192						
Unarmoured dinoflagellate	240	1440						
<b>18-May-10</b>								
<i>Alexandrium fundyense</i>		80	96	193			80	
<i>Amphidinium sphenoides</i>	480	240	192	1737	864		400	3456
Armoured dinoflagellate	80	120	672	772	432		80	576
<i>Asterionellopsis glacialis</i>	40	40		386		80		
<i>Attheya septentrionalis</i>	320	40	864					
<i>Brachionus</i> spp.	40							
<i>Chaetoceros contortus</i>	40	160	96	386	288	80	40	144
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	120	80	288				280	432
<i>Chaetoceros debilis</i>	4040	5320	5760	4053	8928	2120	2800	23616
<i>Chaetoceros decipiens</i>	40						40	
<i>Chaetoceros diadema</i>	40	40			144	40		
<i>Chaetoceros furcellatus</i>	440	200	288	1544	2160	1240	680	1728
<i>Chaetoceros laciniosus</i>	1120	3040	2976	965	144			432
<i>Chaetoceros pseudobrevis</i>				193				
<i>Chaetoceros similis</i>							280	144
<i>Chaetoceros socialis</i>	1040	800	1632		720		80	1440
<i>Chaetoceros</i> spp. (Hyalochaete)	1160	3400	3840	66470	9648	760	120	1728
<i>Chaetoceros teres</i>	40			193				
<i>Commatia cryoporinum</i>								144
Copepoda								144
<i>Cylindrotheca closterium</i>	240	760	480	772		320	360	864
<i>Dactyliosolen fragilissimus</i>	240	40	192				40	1008
<i>Eutreptiella</i> sp.	240	120	96				40	1584
<i>Guinardia delicatula</i>	40						40	
<i>Gyrodinium</i> spp.	120	160	288	1351			280	864
<i>Gyrosigma fasciola</i>	40							
<i>Laboea</i> sp.			96	193			80	
<i>Leptocylindrus danicus</i>							80	
<i>Leptocylindrus minimus</i>	480			579			1840	4896
<i>Mesodinium rubrum</i>	1880	440	1344	3088			2360	2304



25-May-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Tintinnopsis beroidea</i>							40	
Unarmoured dinoflagellate							480	
<b>1-Jun-10</b>								
<i>Alexandrium fundyense</i>	432	384	160	144	1008			144
<i>Alexandrium fundyense</i> (duplet)			40					
<i>Alexandrium ostenfeldii</i>				144				
<i>Amphidinium sphenoides</i>	288		80			80	288	144
<i>Apedinella radians</i>	576	288	800					576
Armoured dinoflagellate	144	288	720	432	1872		144	2736
<i>Asterionellopsis glacialis</i>				576		200		
<i>Attheya longicornis</i>	2304	2880	800				1584	
<i>Brachionus</i> spp.	144						144	144
<i>Cerataulina pelagica</i>								288
<i>Ceratium longipes</i>					288			
<i>Chaetoceros contortus</i>	5472	9984	5720	36992	35280	5560	288	2304
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	720	672	320				2160	4032
<i>Chaetoceros danicus</i>								144
<i>Chaetoceros debilis</i>	13824	12096	7760	84388	20448	6360	7056	7776
<i>Chaetoceros furcellatus</i>							144	
<i>Chaetoceros lacinosus</i>	720	480	280				432	
<i>Chaetoceros pseudobrevis</i>			160	288				
<i>Chaetoceros pseudocrinitus</i>							144	144
<i>Chaetoceros radicans</i>			200	144		160		
<i>Chaetoceros similis</i>	864	480	40	144		40	4752	1296
<i>Chaetoceros simplex</i>			80				144	
<i>Chaetoceros socialis</i>	2160	5088	520	288			2736	3456
<i>Chaetoceros</i> spp. (Hyalochaete)	864	960	2560	3024	1728	4560	1008	1728
<i>Chaetoceros</i> spp. (Phaeoceros)		96		144				
Copepoda		96						
<i>Cylindrotheca closterium</i>	4752	3552	1840	6336	1584	2760	5904	2880
<i>Dactyliosolen fragilissimus</i>	144	288	80	288	144	40		576
<i>Dictyocha speculum</i>	288		280	144	144	40		
<i>Dinophysis acuminata</i>			80	432				
<i>Dinophysis norvegica</i>			40					144
<i>Ditylum brightwellii</i>		192						
<i>Ebria tripartita</i>								1584
<i>Eucampia zodiacus</i>							144	
<i>Eutreptiella</i> sp.	2880	192	640					432
<i>Guinardia delicatula</i>	432	96	40	288			720	432
<i>Gyrodinium</i> spp.			40			120	144	
<i>Heterocapsa triquetra</i>	144		80					432
<i>Laboea</i> sp.			160		288			288
<i>Leptocylindrus danicus</i>			80		432		576	1440
<i>Leptocylindrus minimus</i>	28080	2016	5280	11376	3456	1960	203374	356738
<i>Licmophora</i> spp.								288
<i>Mediopyxis helysia</i>						120		
<i>Mesodinium rubrum</i>	12096	4224	2640	432	4464	40	8064	3744
<i>Navicula distans</i>			80	144			80	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>						80		

<b>1-Jun-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
Pennate diatom		96	200	144				
<i>Phaeocystis pouchetii</i>		96						
<i>Porosira glacialis</i>		96		144	576		432	288
<i>Prorocentrum minimum</i>	720	1056	1560		3024			864
<i>Protoperidinium bipes</i>	144							144
<i>Protoperidinium brevipes</i>		96	40					
<i>Protoperidinium denticulatum</i>					144			
<i>Protoperidinium ovatum</i>		192						
<i>Protoperidinium</i> spp.	144		120					288
<i>Pseudo-nitzschia delicatissima</i>	7344	4032	640	4608	1008	720	18864	20592
<i>Pseudo-nitzschia fraudulenta</i>				288	864	120		
<i>Pseudo-nitzschia pungens</i>					144	200		
<i>Pseudo-nitzschia seriata</i>	288	192	600		3456			
<i>Pseudo-nitzschia seriata</i> group	288	480		2016		280	144	144
<i>Pseudo-nitzschia subpacific</i>				144				
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>		96					144	
<i>Scrippsiella</i> sp.						40		
<i>Scrippsiella trochoidea</i>					144			144
<i>Skeletonema costatum</i>	144		40	144				
<i>Stephanopyxis turris</i>		288	80	432	288	200	144	
<i>Thalassionema nitzschioides</i>					144	80		144
<i>Thalassiosira anguste-lineata</i>			40			40	144	
<i>Thalassiosira gravida</i>					144	40	720	720
<i>Thalassiosira nordenskiöldii</i>	288	288	40	2304	1440	360		144
<i>Thalassiosira punctigera</i>						40		
<i>Thalassiosira</i> sp. (tiny)						80		
<i>Thalassiosira</i> spp.	432	192	200	4320	2880	360	288	288
Tintinnida	2736	576	1600		2592		288	1584
<i>Tintinnopsis beroidea</i>				144				
Unarmoured dinoflagellate	288		120				432	720
<b>8-Jun-10</b>								
<i>Alexandrium fundyense</i>	2448	3168	2160		288			288
<i>Alexandrium fundyense</i> (duplet)	288	144	144					
<i>Alexandrium ostenfeldii</i>		144						
<i>Apedinella radians</i>	4896	12528	3456					
Armoured dinoflagellate	288	1584	2304	578	144		720	3024
<i>Asterionellopsis glacialis</i>	144	144			288	320		
<i>Attheya longicornis</i>	144		144					
<i>Attheya</i> spp.					1152			
<i>Calliacantha</i> sp.	144							
<i>Cerataulina pelagica</i>							288	1008
<i>Ceratium longipes</i>		144	288					
<i>Ceratium tripos</i>	144							
<i>Chaetoceros contortus</i>	8208	22752	14976	70227	33524	2040	720	3024
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	288	720	720				2592	1152
<i>Chaetoceros debilis</i>	7488	6624	6624	27744	41616	2480	2304	576
<i>Chaetoceros decipiens</i>	144							
<i>Chaetoceros furcellatus</i>	144							
<i>Chaetoceros pseudobrevis</i>				289				

8-Jun-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros pseudocrinitus</i>								144
<i>Chaetoceros radicans</i>		144	144		288			
<i>Chaetoceros similis</i>	1296	288	1296		144		2448	144
<i>Chaetoceros socialis</i>	3024	3744	2160		432		1872	288
<i>Chaetoceros</i> spp. (Hyalochaete)	720	2304	5184	5780	720	840	1584	3168
<i>Chaetoceros</i> spp. (Phaeoceros)			144					
<i>Commation cryoporinum</i>	144							144
Copepoda					144			144
<i>Coscinodiscus radiatus</i>			144					
<i>Cylindrotheca closterium</i>	4608	4176	2592	2023	5472	880	10656	2160
<i>Dictyocha speculum</i>	432	1008	720	578	144			
<i>Dinophysis acuminata</i>	144			289				
<i>Dinophysis norvegica</i>			288	289				
<i>Dinophysis pulchella</i>			144					
<i>Ebria tripartita</i>	864	576	1008				3312	5616
<i>Entomoneis</i> spp.				289				
<i>Eucampia groenlandica</i>							144	
<i>Eutreptiella</i> sp.	1440	1584	2448				144	1296
<i>Guinardia delicatula</i>	288	576	432	1445	144		432	576
<i>Gyrodinium</i> spp.	576				720		144	
<i>Helicostomella</i> spp.								864
<i>Heterocapsa triquetra</i>	432	576	720					
<i>Laboea</i> sp.	720			867				
<i>Leptocylindrus danicus</i>		288					1152	1440
<i>Leptocylindrus minimus</i>	20736	14544	44496	60979	16128	1560	439956	593274
<i>Licmophora</i> spp.		288				40		144
<i>Mediopyxis helysia</i>					144	40		
<i>Mesodinium rubrum</i>	11232	2448	2592	2601		120	432	13536
<i>Navicula distans</i>						80		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	144							
Pennate diatom	576				144		288	
<i>Porosira glacialis</i>							288	
<i>Prorocentrum minimum</i>	2160	7632	4896	867	432		288	1872
<i>Prorocentrum</i> sp. (small)			144					
<i>Protoperidinium bipes</i>							432	1296
<i>Protoperidinium</i> spp.						40		
<i>Pseudo-nitzschia delicatissima</i>		1584	432	2312	720	80	18576	1008
<i>Pseudo-nitzschia delicatissima</i> group	1296							
<i>Pseudo-nitzschia fraudulenta</i>						120		
<i>Pseudo-nitzschia pseudodelicatissima</i>					288			
<i>Pseudo-nitzschia pungens</i>				1156		80		
<i>Pseudo-nitzschia seriata</i>	576	864	576		4176			
<i>Pseudo-nitzschia seriata</i> group	144	288					288	
<i>Pseudo-nitzschia subpacific</i>				289				
<i>Rhizosolenia styliformis</i>								432
<i>Stephanopyxis turris</i>					576			
<i>Thalassiosira anguste-lineata</i>	144							
<i>Thalassiosira baltica</i>				289		40		
<i>Thalassiosira gravida</i>					144		288	

<b>8-Jun-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassiosira nordenskiöldii</i>	288		144		288			
<i>Thalassiosira punctigera</i>						40		
<i>Thalassiosira</i> spp.	144	432	144	2890	1008	40	144	144
Tintinnida	3168	1872	1872	3757	720	40	864	2736
<i>Tintinnopsis beroidea</i>					576	360		
Unarmoured dinoflagellate	288	576	720		144		288	1728
<b>15-Jun-10</b>								
<i>Alexandrium fundyense</i>	576	3168	1008				193	144
<i>Amphidinium sphenoides</i>							193	
<i>Amylax triacantha</i>								144
<i>Apedinella radians</i>	288	4752	864					720
Armoured dinoflagellate	432	1584	576	864	40		1158	864
<i>Asterionellopsis glacialis</i>		144	576		80	40		
<i>Attheya longicornis</i>			1440					1152
<i>Cerataulina pelagica</i>		144	144				2895	2304
<i>Ceratium horridum</i>			144					
<i>Chaetoceros affinis</i>					40			
<i>Chaetoceros contortus</i>	18144	17280	27936	68204	13560	2400		2304
<i>Chaetoceros convolutus</i>	144							
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>							4053	144
<i>Chaetoceros debilis</i>	16848	3744	10944	8928	7000	1840	772	2304
<i>Chaetoceros decipiens</i>		144						
<i>Chaetoceros diadema</i>		144						
<i>Chaetoceros furcellatus</i>						40		
<i>Chaetoceros lacinosus</i>	288	144						
<i>Chaetoceros radicans</i>	144		432		360	80		
<i>Chaetoceros similis</i>	288	144	144				4053	144
<i>Chaetoceros socialis</i>	15984	8640	35712		280		10229	46080
<i>Chaetoceros</i> spp. (Hyalochaete)	864	144	1440	864	200	240	579	720
<i>Chaetoceros tenuissimus</i>							193	
Copepoda				288				
<i>Cylindrotheca closterium</i>	7920	1728	4032	2736	2240	640	20265	2592
<i>Dactyliosolen fragilissimus</i>					120		193	288
<i>Dictyocha speculum</i>	576	720	144	288	80			432
<i>Dinophysis acuminata</i>		144						1296
<i>Dinophysis norvegica</i>								144
<i>Dinophysis pulchella</i>			144					288
<i>Ebria tripartita</i>	1296	2160	2160	720	80		3667	1728
<i>Eutreptiella</i> sp.	1440	1008	576	144				1296
<i>Guinardia delicatula</i>	1296		720	432	400	360	3667	2304
<i>Gyrodinium</i> spp.	288	144					193	432
<i>Helicostomella</i> spp.			144					1872
<i>Heterocapsa triquetra</i>	432	288	288					432
<i>Laboea</i> sp.	576		144	288				144
<i>Leptocylindrus danicus</i>	144	144	144	432		40	772	1872
<i>Leptocylindrus minimus</i>	864	576	144	144	280	200	230046	1152
<i>Licmophora</i> spp.		288						
<i>Mediopyxis helysia</i>				144				
<i>Membraneis challengeri</i>					40			

<b>15-Jun-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Mesodinium rubrum</i>	2880	3024	4752	720	120		2123	7488
<i>Navicula distans</i>			144		80	120		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				144				
<i>Paralia sulcata</i>				144		40		
Pennate diatom			144	288			1158	288
<i>Prorocentrum minimum</i>	576	4608	1440	432			386	3888
<i>Prorocentrum</i> sp. (small)				144				
<i>Protoperidinium bipes</i>	288	432	432	144			3088	1728
<i>Protoperidinium brevipes</i>	144	144						
<i>Protoperidinium depressum</i>				144				
<i>Protoperidinium</i> spp.		144		432	40		579	288
<i>Pseudo-nitzschia delicatissima</i>	720	1152	288	288	320	160	36091	1152
<i>Pseudo-nitzschia pungens</i>					240			
<i>Pseudo-nitzschia seriata</i>	720	288	2016		360			720
<i>Pseudo-nitzschia seriata</i> group	576	1152	1584	1008				1008
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>								144
<i>Rhizosolenia setigera</i>								144
<i>Scrippsiella trochoidea</i>		144						
<i>Skeletonema costatum</i>	432	288					193	
<i>Stephanopyxis turris</i>			288	144	40			
<i>Thalassionema nitzschioides</i>				144	40	40		
<i>Thalassiosira baltica</i>				288				
<i>Thalassiosira gravida</i>							579	144
<i>Thalassiosira nordenskiöldii</i>		144	144	144	40			
<i>Thalassiosira punctigera</i>			144		40	40		
<i>Thalassiosira</i> sp. (tiny)		144			40			
<i>Thalassiosira</i> spp.	288	144	432	720	320	80	193	144
Tintinnida	1008	6624	2880	288	80		1544	3168
<i>Tintinnopsis beroidea</i>	288				160	80	386	
Unarmoured dinoflagellate		432	576				1158	1296
<b>22-Jun-10</b>								
<i>Acanthostomella norvegica</i>	144							
<i>Alexandrium fundyense</i>	864	13295	28611	2601	280		144	288
<i>Alexandrium fundyense</i> (planozygote)					120			
<i>Alexandrium ostenfeldii</i>					40			
<i>Apedinella radians</i>	720	2312	289				432	
Armoured dinoflagellate	720	6166	4046	2890	40	40	576	144
<i>Asterionellopsis glacialis</i>	1008	965	1156	2312	840	1960		
<i>Attheya longicornis</i>	1440							
<i>Brachionus</i> spp.	144							
Centric diatom						40		
<i>Cerataulina pelagica</i>	2304	1737	1734	1445	120	120	7344	8640
<i>Ceratium horridum</i>	144		289					
<i>Ceratium longipes</i>		193						
<i>Ceratium macroceros</i>				289				
<i>Ceratium tripos</i>					40			
<i>Chaetoceros contortus</i>		1158	867	1734	1120	200		144
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	144	1351	578				432	
<i>Chaetoceros debilis</i>	5904	2890	2890	16762	11720	4280	432	



22-Jun-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros decipiens</i>					80	40		
<i>Chaetoceros furcellatus</i>						80		
<i>Chaetoceros laciniosus</i>		386	578					
<i>Chaetoceros radicans</i>				289	80	560		
<i>Chaetoceros similis</i>							144	
<i>Chaetoceros socialis</i>	63580	72640	107797	224842	51442	10360	64158	72250
<i>Chaetoceros</i> spp. (Hyalochaete)	1296	1158	3179	8959	720	5240	864	576
<i>Commation cryoporinum</i>	144					40		
Copepoda				289				
<i>Coscinodiscus radiatus</i>								144
<i>Cylindrotheca closterium</i>	3744	6358	578		3160	4320	22464	288
<i>Dactyliosolen fragilissimus</i>				867				
<i>Dictyocha speculum</i>	1008	1351	867		120	80	288	288
<i>Dinophysis acuminata</i>		193	289	2601				144
<i>Dinophysis norvegica</i>			289				144	
<i>Dinophysis pulchella</i>	144		578					
<i>Ditylum brightwellii</i>				289				
<i>Ebria tripartita</i>	144	193	289	289				288
<i>Entomoneis</i> spp.						200		
<i>Eucampia zodiacus</i>						40		
<i>Eutreptiella</i> sp.	1152	7129	578	578			288	432
<i>Gonyaulax spinifera</i>		193	289					
<i>Guinardia delicatula</i>	4176	1737	2890	5202	1720	1520	8784	4176
<i>Guinardia flaccida</i>							288	
<i>Gyrodinium</i> spp.	576	193	289		200	200	1296	
<i>Helicostomella</i> spp.		386		867			432	432
<i>Heterocapsa triquetra</i>	576	3661	4046	1445				288
<i>Laboea</i> sp.				289				144
<i>Leptocylindrus danicus</i>	144	193	867		120	40		
<i>Leptocylindrus minimus</i>	144	579	289					
<i>Licmophora</i> spp.		193						
<i>Mediopyxis helysia</i>	144			867	240	200		
<i>Mesodinium rubrum</i>	5328	6936	2890	6936	160	120	4464	19872
<i>Navicula distans</i>					80		144	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			289					
<i>Odontella aurita</i>						40		
Pennate diatom			867					144
<i>Preperidinium meuneri</i>		193		289				
<i>Prorocentrum minimum</i>	720	1927	2312	578			576	576
<i>Protoperidinium americanum</i>		193						
<i>Protoperidinium bipes</i>		193					720	
<i>Protoperidinium denticulatum</i>				289				
<i>Protoperidinium ovatum</i>		193						
<i>Protoperidinium</i> spp.		193	289	289	40	40		
<i>Pseudo-nitzschia delicatissima</i>	576	2312	1445	578			2016	
<i>Pseudo-nitzschia delicatissima</i> group					360	360		144
<i>Pseudo-nitzschia fraudulenta</i>						400		
<i>Pseudo-nitzschia pungens</i>					120			
<i>Pseudo-nitzschia seriata</i>	1440	1927		6069	2800		432	288

<b>22-Jun-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia seriata</i> group	1152	193	1445				576	
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	144							
<i>Scrippsiella</i> sp.			1445					
<i>Scrippsiella trochoidea</i>		193						
<i>Skeletonema costatum</i>	1152	772	289			40	144	
<i>Stephanopyxis turris</i>		193		289	200	40		
<i>Thalassionema nitzschioides</i>					160	40		
<i>Thalassiosira anguste-lineata</i>	144	772		578	280	80		
<i>Thalassiosira baltica</i>	144			289	400	120		
<i>Thalassiosira gravida</i>	144						288	
<i>Thalassiosira nordenskioeldii</i>					40			
<i>Thalassiosira punctigera</i>	144							
<i>Thalassiosira</i> sp. (tiny)	720				240	200		
<i>Thalassiosira</i> spp.	576	386	578	3179	760	760	576	144
Tintinnida	2160	14258	3468	9537	280	280	7200	13104
<i>Tintinnopsis beroidea</i>					160	280	144	
Unarmoured dinoflagellate	576	1544	1445			40	1728	720
<b>29-Jun-10</b>								
<i>Alexandrium fundyense</i>	39593	4176	58089	15640	2120	360	1440	11560
<i>Alexandrium fundyense</i> (cyst)						40		
<i>Alexandrium fundyense</i> (duplet)	289		2312	200	40			289
<i>Alexandrium fundyense</i> (fusing)	289							
<i>Alexandrium fundyense</i> (planozygote)		144	2023	240	120	280		
<i>Alexandrium ostenfeldii</i>	289				40			
<i>Amphidinium carterae</i>	289							
<i>Amphidinium sphenoides</i>				40				
<i>Amylax triacantha</i>				40	40			578
<i>Apedinella radians</i>		576	1156					
Armoured dinoflagellate	3179	1008	3179	1280	120			1734
<i>Asterionellopsis glacialis</i>	289	288		200	880	2160		
<i>Attheya longicornis</i>	578							
<i>Cerataulina pelagica</i>	4624	10656	12427	2600	2920	320	15552	9248
<i>Ceratium horridum</i>				120				
<i>Ceratium lineatum</i>		720		80		40		
<i>Ceratium longipes</i>		432		320	40		144	578
<i>Ceratium tripos</i>				40				
<i>Chaetoceros borealis</i>				80				
<i>Chaetoceros contortus</i>				80	40	80		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	1156	864	1734				720	
<i>Chaetoceros debilis</i>	1156	1152	289		240			
<i>Chaetoceros decipiens</i>					80			
<i>Chaetoceros laciniosus</i>	578	432		80				
<i>Chaetoceros similis</i>			1445				432	
<i>Chaetoceros socialis</i>	118779	263568	32946	147390	180914	15720	39744	139876
<i>Chaetoceros</i> spp. (Hyalochaete)	1445	1008	289	720	1080	440	288	
<i>Commation cryoporinum</i>					40			
Copepoda		288				40		289
<i>Corethron hystrix</i>			578					
<i>Cylindrotheca closterium</i>	1156	2016	2312	680	840	1360	24048	867

29-Jun-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dactyliosolen fragilissimus</i>							144	
<i>Dictyocha speculum</i>	289	432	1734	240	240	40	288	2601
<i>Dinophysis acuminata</i>	1445	2880	578	560	200			1445
<i>Dinophysis acuta</i>				40				
<i>Dinophysis norvegica</i>	289	1152		320	40			289
<i>Dinophysis pulchella</i>			289					289
<i>Ebria tripartita</i>		576						
<i>Eucampia zodiacus</i>		144						
<i>Eutreptiella</i> sp.	2890	5184	1445	320			576	2312
<i>Gonyaulax spinifera</i>		144						
<i>Guinardia delicatula</i>	3757	1440	578	1280	1240	520	16272	9248
<i>Guinardia flaccida</i>							144	
<i>Gyrodinium</i> spp.	289	144	1156	400	120	200	144	289
<i>Helicostomella</i> spp.		1152		40				867
<i>Heterocapsa triquetra</i>	8381	864	4913	1720	40		288	3757
<i>Laboea</i> sp.				680	120		288	
<i>Leptocylindrus danicus</i>		288			40			
<i>Leptocylindrus minimus</i>				40		40	144	289
<i>Licmophora</i> spp.				40				
<i>Mediopyxis helysia</i>		144		40		240		
<i>Mesodinium rubrum</i>	9248	7776	8670	1400	40	240	5040	25721
<i>Micracanthodinium claytonii</i>						40		
<i>Navicula distans</i>	289	144		240		160	144	
Pennate diatom		432	578	80				
<i>Prorocentrum minimum</i>	1445	864		280			288	289
<i>Prorocentrum</i> sp. (small)			289					
<i>Protoperidinium bipes</i>		288					144	
<i>Protoperidinium brevipes</i>				80				
<i>Protoperidinium conicum</i>					40			
<i>Protoperidinium ovatum</i>	289							
<i>Protoperidinium</i> spp.	289	144		120	40			
<i>Protoperidinium steinii</i>				120				
<i>Pseudo-nitzschia delicatissima</i>	578	720	867	880	520	120	720	
<i>Pseudo-nitzschia pseudodelicatissima</i>						200		
<i>Pseudo-nitzschia pungens</i>					80	40		
<i>Pseudo-nitzschia seriata</i>	289		289	40	120	80	144	
<i>Pseudo-nitzschia seriata</i> group		144	289	80			144	
<i>Pseudo-nitzschia subpacific</i>						80		
<i>Scrippsiella</i> sp.	289						144	
<i>Scrippsiella trochoidea</i>	289							289
<i>Skeletonema costatum</i>		1440	289				432	
<i>Stephanopyxis turris</i>		288			120			
<i>Thalassionema nitzschioides</i>	289			120	40		288	
<i>Thalassiosira anguste-lineata</i>		144		400	120			
<i>Thalassiosira baltica</i>	578		578	400	200	600		
<i>Thalassiosira gravida</i>				240	40		144	
<i>Thalassiosira</i> sp. (tiny)			289					
<i>Thalassiosira</i> spp.		432		200	480	240	2160	
Tintinnida	5491	4896	3179	920	160	80	3024	14739

29-Jun-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Tintinnopsis beroidea</i>					160			
Unarmoured dinoflagellate	867	1440	2601	200	120		864	867
<b>6-Jul-10</b>								
<i>Actinoptychus senarius</i>					80			
<i>Alexandrium fundyense</i>	9936	44506	14739	5491	80			1160
<i>Alexandrium fundyense</i> (planozygote)		2023	289		80			40
<i>Alexandrium ostenfeldii</i>								40
<i>Amylax triacantha</i>								40
<i>Apedinella radians</i>	288							
Armoured dinoflagellate	3600	15895	4624	2601	40	200	288	520
<i>Asterionellopsis glacialis</i>					160	840		
Centric diatom						40		
<i>Cerataulina pelagica</i>	8640	7803	2312	867	560	2400	1584	80
<i>Ceratium horridum</i>								320
<i>Ceratium lineatum</i>		289						40
<i>Ceratium longipes</i>	144		1156	578				800
<i>Ceratium</i> spp.			578					
<i>Chaetoceros constrictus</i>						40		
<i>Chaetoceros contortus</i>	144		289	578				
<i>Chaetoceros convolutus</i> / <i>conconvolutus</i>						40		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	144	1734					288	40
<i>Chaetoceros debilis</i>		289			40		144	
<i>Chaetoceros furcellatus</i>						40		
<i>Chaetoceros radicans</i>			289		40	40		
<i>Chaetoceros similis</i>							1728	360
<i>Chaetoceros socialis</i>	180336	208658	261256	490722	153748	7680	128894	13200
<i>Chaetoceros</i> spp. (Hyalochaete)	432	867	867	4335	200	440	288	200
<i>Commation cryoporinum</i>	144				40		144	
Copepoda							144	120
<i>Coscinodiscus radiatus</i>					80			
<i>Cylindrotheca closterium</i>	1584	1156	1734	1156	1880	2040	5904	120
<i>Dactyliosolen fragilissimus</i>	144					40		
<i>Dictyocha speculum</i>	288	578		1156			144	800
<i>Dinophysis acuminata</i>	1008	1445	867	3179				360
<i>Dinophysis norvegica</i>	288			289	40		144	160
<i>Dinophysis pulchella</i>								80
<i>Ebria tripartita</i>	144		289					200
<i>Entomoneis</i> spp.					40	80		
<i>Eucampia zodiacus</i>							288	
<i>Eutreptiella</i> sp.	432	867	578				144	520
<i>Gonyaulax digitale</i>							288	
<i>Gonyaulax spinifera</i>		289	289				144	40
<i>Guinardia delicatula</i>	4032	2312	4913	3179	2880	1440	42480	6520
<i>Gyrodinium</i> spp.	1152	2023		578	400	40	144	
<i>Helicostomella</i> spp.		1445		289				1800
<i>Heterocapsa triquetra</i>	15984	73984	867	7514			432	6040
<i>Laboea</i> sp.				1156	80			
<i>Lauderia annulata</i>				289				
<i>Leptocylindrus minimus</i>	288			289		40		

<b>6-Jul-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Licmophora</i> spp.		289						
<i>Mediopyxis helysia</i>						40		
<i>Mesodinium rubrum</i>	5040	3179	578	4624	160		4176	9280
<i>Navicula distans</i>				289	40		144	
<i>Navicula transitans</i> var. <i>derasa</i>							144	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	288		289		40			
<i>Pleurosigma strigosum</i>						40		
<i>Prorocentrum minimum</i>	144			578				240
<i>Protoperidinium brevipes</i>				867				
<i>Protoperidinium</i> spp.		289			80			40
<i>Protoperidinium steinii</i>		578		289				
<i>Pseudo-nitzschia delicatissima</i>		1734		1156	200			40
<i>Pseudo-nitzschia delicatissima</i> group	720					320		
<i>Pseudo-nitzschia pseudodelicatissima</i>			2601				432	
<i>Pseudo-nitzschia seriata</i>		289			40			80
<i>Pseudo-nitzschia seriata</i> group							144	
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>				289				
<i>Scrippsiella</i> sp.	1440	3757	578	289	40		144	240
<i>Scrippsiella trochoidea</i>	720	578	578	289				
<i>Skeletonema costatum</i>	144	578	289					
<i>Thalassionema nitzschioides</i>					80	160		
<i>Thalassiosira anguste-lineata</i>				289	200		144	
<i>Thalassiosira baltica</i>					200	160	144	
<i>Thalassiosira punctigera</i>					40			
<i>Thalassiosira</i> sp. (tiny)							432	
<i>Thalassiosira</i> spp.	144	289		289		240	576	40
Tintinnida	9648	38437	578	1156	240	40	2592	9040
<i>Tintinnopsis beroidea</i>					80			
Unarmoured dinoflagellate	720	2601		1734		80	432	600
<b>13-Jul-10</b>								
<i>Alexandrium fundyense</i>			432					
<i>Amphidinium sphenoides</i>								96
<i>Amylax triacantha</i>				40				
<i>Apedinella radians</i>			144					
Armoured dinoflagellate	1440	1152	3024	240		40	1584	768
<i>Asterionellopsis glacialis</i>						160		96
<i>Attheya longicornis</i>							288	
<i>Cerataulina pelagica</i>				40	200	40	576	288
<i>Ceratium horridum</i>		144		40				
<i>Ceratium lineatum</i>	144							
<i>Ceratium longipes</i>	288	144	144	160		40		672
<i>Ceratium macroceros</i>								96
<i>Ceratium</i> spp.							144	
<i>Chaetoceros contortus</i>	432	576	288	320	80	120		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	144		720				288	
<i>Chaetoceros debilis</i>		144	720	320		80		
<i>Chaetoceros lacinosus</i>			144					96
<i>Chaetoceros lorenzianus</i>							144	
<i>Chaetoceros radicans</i>				80				

13-Jul-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros similis</i>	144						6192	384
<i>Chaetoceros socialis</i>	344488	230622	402288	339286	10200	21440	97682	99416
<i>Chaetoceros</i> spp. (Hyalochaete)	432	864	576	1040	160	280	720	768
<i>Chrysochromulina parkeae</i>		144						
<i>Commation cryoporinum</i>	144			40				
Copepoda	144		144	40		40		96
<i>Corethron hystrix</i>				40		40		
<i>Cylindrotheca closterium</i>	576	576	1584	960	640	680	6912	1248
<i>Dactyliosolen fragilissimus</i>		144	432	120				
<i>Dictyocha speculum</i>		144	288	120		40	1728	1248
<i>Dinophysis acuminata</i>	576	144	288	80				384
<i>Dinophysis dens</i>				80				
<i>Dinophysis fortii</i>			144					
<i>Dinophysis norvegica</i>			288	40				288
<i>Dinophysis pulchella</i>			288					
<i>Ebria tripartita</i>								96
<i>Entomoneis</i> spp.				40				
<i>Eutreptiella</i> sp.	576	1152	288				2592	576
<i>Gonyaulax spinifera</i>								96
<i>Guinardia delicatula</i>	1728	1296	4320	1800	1640	1320	2880	4608
<i>Guinardia flaccida</i>								96
<i>Gyrodinium</i> spp.	144		576	520	280	200	2592	384
<i>Helicostomella</i> spp.	288	288	288	160				96
<i>Heterocapsa triquetra</i>	10080	6624	9792	40			144	672
<i>Laboea</i> sp.				120				
<i>Lauderia annulata</i>							144	
<i>Leptocylindrus danicus</i>						40	144	
<i>Leptocylindrus minimus</i>	144	144	288	120	120	80	2160	96
<i>Licmophora</i> spp.								96
<i>Mesodinium rubrum</i>	2736	5328	6480	840	360	40	720	2016
<i>Micracanthodinium claytonii</i>								96
<i>Navicula distans</i>				40		80		
<i>Navicula transitans</i> var. <i>derasa</i>						80		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	432							
Pennate diatom		432	144				2880	96
<i>Podon</i> spp.			144					
<i>Proboscia alata</i>						40		
<i>Prorocentrum minimum</i>		144	432				288	
<i>Protoperidinium bipes</i>			288				144	
<i>Protoperidinium brevipes</i>	144		288	40	40			192
<i>Protoperidinium</i> spp.	288			120	80			
<i>Protoperidinium steinii</i>	144			120	40			96
<i>Pseudo-nitzschia americana</i>							576	192
<i>Pseudo-nitzschia delicatissima</i>			432	320	240	200		
<i>Pseudo-nitzschia delicatissima</i> group	288							
<i>Pseudo-nitzschia pseudodelicatissima</i>							864	384
<i>Pseudo-nitzschia seriata</i>								288
<i>Pseudo-nitzschia seriata</i> group	288							
<i>Rhizosolenia imbricata</i>		288	144					

<b>13-Jul-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Scrippsiella</i> sp.	1584	1728	2160	40			288	
<i>Scrippsiella trochoidea</i>	288	144	1440				144	96
<i>Skeletonema costatum</i>	1008	432	720	40	80		3312	96
<i>Stephanopyxis turris</i>			144			120		96
<i>Thalassionema nitzschioides</i>					40	80		
<i>Thalassiosira baltica</i>			144	240	40	40		
<i>Thalassiosira gravida</i>			144	80	40		576	
<i>Thalassiosira</i> spp.	144			80	160	80	1296	480
Tintinnida	9792	8496	14112	400	200	40	3456	1536
<i>Tintinnopsis beroidea</i>			144	80	40	120	1440	480
Unarmoured dinoflagellate	1728	576	4608		40		3888	960
<b>20-Jul-10</b>								
<i>Alexandrium fundyense</i>	144	289						144
<i>Apedinella radians</i>			578				288	
Armoured dinoflagellate	1296	16184	8092	800		40	1008	3168
<i>Asterionellopsis glacialis</i>			578	680	40	400		
<i>Cerataulina pelagica</i>	144			40		40		
<i>Ceratium fusus</i>				80	40			144
<i>Ceratium horridum</i>				80				
<i>Ceratium lineatum</i>				160	40			
<i>Ceratium longipes</i>	144			920	120		432	144
<i>Ceratium tripos</i>				40	40			
<i>Chaetoceros affinis</i>	144			80				
<i>Chaetoceros contortus</i>	288			280	240	80		
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	576		1445					
<i>Chaetoceros danicus</i>					40			
<i>Chaetoceros didymus</i>								288
<i>Chaetoceros filiformis</i>							1872	
<i>Chaetoceros laciniosus</i>	432							
<i>Chaetoceros lorenzianus</i>					40			144
<i>Chaetoceros similis</i>	288		578	160	40		2880	432
<i>Chaetoceros simplex</i>							144	
<i>Chaetoceros socialis</i>	219062	156060	60979	205768	101728	16480	50544	13392
<i>Chaetoceros</i> spp. (Hyalochaete)	864	1445	867	1840	360	1000	576	144
<i>Chaetoceros</i> spp. (Phaeoceros)					40			
<i>Chaetoceros subtilis</i>								432
<i>Commation cryoporinum</i>					40	80		
Copepoda	144			40		40		288
<i>Corethron hystrix</i>						80		144
<i>Cylindrotheca closterium</i>	4464	3468	6069	3560	3360	1000	3888	432
<i>Dactyliosolen fragilissimus</i>	144			40				
<i>Dictyocha speculum</i>	576		1445	520	120		1008	1152
<i>Dinophysis acuminata</i>	288		289	1080	80		144	1008
<i>Dinophysis norvegica</i>			289	160	120			144
<i>Dinophysis pulchella</i>								144
<i>Ebria tripartita</i>	144	289					288	1440
<i>Eutreptiella</i> sp.	3312	2601	3179				6624	2736
<i>Gonyaulax alaskensis</i>		289						
<i>Gonyaulax spinifera</i>		289	289					1008

<b>20-Jul-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Guinardia delicatula</i>		289	578	160	320	320		
<i>Gyrodinium</i> spp.	720	578	3179	400	280	40	144	
<i>Helicostomella</i> spp.			289	40			144	1440
<i>Heterocapsa triquetra</i>	2880	18785	33235	2720			1152	11232
<i>Laboea</i> sp.			289					
<i>Lauderia annulata</i>	144				40			
<i>Leptocylindrus minimus</i>	864	578	867	560	240	160	2736	144
<i>Mediopyxis helysia</i>					120			
<i>Mesodinium rubrum</i>	5472	17051	49997	1280	720		18864	10512
<i>Micracanthodinium claytonii</i>	144							
<i>Navicula distans</i>						80		
<i>Navicula transitans</i> var. <i>derasa</i>						40	288	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	576	289			80	40		432
<i>Oblea</i> sp.				40				
Pennate diatom	11952	4335	8092		40	80	10800	4032
<i>Pleurosigma angulatum</i>				40				
<i>Pleurosigma strigosum</i>	144			40				
<i>Podon</i> spp.								288
<i>Polykrikos</i> spp.				40				
<i>Proboscia alata</i>				40			144	
<i>Prorocentrum minimum</i>	432	289	1445	1160				720
<i>Protoperidinium bipes</i>	288	289						
<i>Protoperidinium brevipes</i>			289	120				
<i>Protoperidinium</i> spp.			289	400	120			
<i>Protoperidinium steinii</i>			289	40				144
<i>Pseudo-nitzschia americana</i>	288	289	289	40			1872	144
<i>Pseudo-nitzschia delicatissima</i>	432	578			1240	400		
<i>Pseudo-nitzschia delicatissima</i> group				3880				
<i>Pseudo-nitzschia pseudodelicatissima</i>	288	289	1445		40	80	1296	
<i>Pseudo-nitzschia pungens</i>				40				
<i>Pseudo-nitzschia seriata</i>				80				
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>					40		144	
<i>Rhizosolenia imbricata</i>				40		40		432
<i>Rhizosolenia</i> spp.			289					
<i>Scrippsiella</i> sp.	1008	13294	7225	400			576	1728
<i>Scrippsiella trochoidea</i>	432	1445	2023					3888
<i>Skeletonema costatum</i>	144		5202	840	200	40	3744	
<i>Stephanopyxis turris</i>					40			
<i>Thalassionema nitzschioides</i>			289	280	120	280		
<i>Thalassiosira anguste-lineata</i>				80				
<i>Thalassiosira baltica</i>					200	80		
<i>Thalassiosira gravida</i>		289		240	200		144	
<i>Thalassiosira punctigera</i>				40				
<i>Thalassiosira</i> sp. (tiny)				880	280	80		
<i>Thalassiosira</i> spp.	144			80		480	432	144
Tintinnida	6624	22831	31501	520	120	160	3744	28656
<i>Tintinnopsis beroidea</i>					160			
Unarmoured dinoflagellate	864	2023	6936	160	120	40	1152	1584



27-Jul-10	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Actinoptychus senarius</i>				40		40		
<i>Amphidinium sphenoides</i>		289						289
<i>Apedinella radians</i>			289					
Armoured dinoflagellate	1728	14450	12138	600		120	200	2601
<i>Asterionellopsis glacialis</i>	288			80	400	320		
<i>Attheya longicornis</i>	144							
<i>Aulacoseira ambigua</i>			289			40		
<i>Cerataulina pelagica</i>		289		80				578
<i>Ceratium fusus</i>				120		40		289
<i>Ceratium horridum</i>								289
<i>Ceratium lineatum</i>	144	578	578	360				289
<i>Ceratium longipes</i>	432	289	289	80				289
<i>Ceratium</i> spp.				40				
<i>Ceratium tripos</i>	144			40				578
<i>Chaetoceros contortus</i>	144	289		240	80	120		2023
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		289					40	
<i>Chaetoceros didymus</i>	144	289	289			40		867
<i>Chaetoceros filiformis</i>							3360	
<i>Chaetoceros lorenzianus</i>						40		
<i>Chaetoceros radicans</i>	288							
<i>Chaetoceros similis</i>			289				840	867
<i>Chaetoceros socialis</i>	47952	16762	53465	12840	1160	640	600	29767
<i>Chaetoceros</i> spp. (Hyalochaete)	288	867	578	480	280	560	160	1445
<i>Commation cryoporinum</i>			289	40			40	
Copepoda	144			80			40	
<i>Corethron hystrix</i>						40	40	
<i>Coscinodiscus radiatus</i>				40				
<i>Coscinodiscus</i> spp.				40				
<i>Cyclotella</i> spp.							360	
<i>Cylindrotheca closterium</i>	2736	3757	4046	2240	3280	2360	4680	1156
<i>Dactyliosolen fragilissimus</i>	432	867		40				
<i>Dictyocha speculum</i>	720	578	289	360			440	18785
<i>Dinophysis acuminata</i>	1008	578	289	640	160	80		867
<i>Dinophysis dens</i>	144							
<i>Dinophysis norvegica</i>	288	578		280				
<i>Ditylum brightwellii</i>				40				
<i>Ebria tripartita</i>	288	6069	1156	40			120	2890
<i>Entomoneis</i> spp.				40	280			
<i>Eutreptiella</i> sp.	3168	3757	5780	80			240	4046
<i>Gonyaulax spinifera</i>		289						289
<i>Guinardia delicatula</i>	576				160	80	40	
<i>Gyrodinium</i> spp.	144	867	867	400			360	
<i>Helicostomella</i> spp.	288			80		40		289
<i>Heterocapsa triquetra</i>	8928	184382	52887	2240				5202
<i>Lauderia annulata</i>	144			80	40	40	40	
<i>Lennoxia faveolata</i>		1156					160	
<i>Leptocylindrus danicus</i>				40				
<i>Leptocylindrus minimus</i>	576		1156	680	40		1920	578
<i>Mediopyxis helysia</i>					40	40		

<b>27-Jul-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Mesodinium rubrum</i>	6192	13005	10693	400			3880	8381
<i>Navicula distans</i>	432		289	40		80		
<i>Navicula transitans</i> var. <i>derasa</i>	288				40			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			289	40	40	40		
<i>Paralia sulcata</i>							40	
Pennate diatom	16128	6647	18207	160	80	40	1080	32368
<i>Pleurosigma angulatum</i>				40				
<i>Pleurosigma strigosum</i>	144							
<i>Polykrikos</i> spp.				40				
<i>Proboscia alata</i>				40				
<i>Prorocentrum minimum</i>	3312	18496	2890	200				578
<i>Protoperidinium bipes</i>	144	289	289					
<i>Protoperidinium</i> spp.		867	867			40		578
<i>Protoperidinium steinii</i>	432	289		40				289
<i>Pseudo-nitzschia americana</i>	864	2312	867			200	2480	3179
<i>Pseudo-nitzschia pseudodelicatissima</i>	720	11560	2312	1720	1520	640	960	
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>	144							
<i>Rhizosolenia imbricata</i>							40	
<i>Rhizosolenia setigera</i>							80	
<i>Rhizosolenia</i> spp.	144							
<i>Scrippsiella</i> sp.	1872	11271	2601	40				578
<i>Scrippsiella trochoidea</i>	576	1445	8381	240			40	4046
<i>Skeletonema costatum</i>	720	24565	6936	240	280	120	10600	
<i>Thalassionema nitzschioides</i>				200	360	360		
<i>Thalassiosira baltica</i>				80		240		
<i>Thalassiosira gravida</i>	144			320	40	80	160	
<i>Thalassiosira punctigera</i>						40		
<i>Thalassiosira</i> sp. (tiny)							1440	
<i>Thalassiosira</i> spp.				40	80	80	160	
Tintinnida	9216	16184	28611	1080	80	280	440	10693
<i>Tintinnopsis beroidea</i>				40	40	80	400	289
Unarmoured dinoflagellate	1296	2312	6358	720	120		320	1734
<b>3-Aug-10</b>								
<i>Alexandrium fundyense</i>	289							
<i>Amphidinium carterae</i>			578					
<i>Amphidinium sphenoides</i>				120				
<i>Amylax triacantha</i>							120	
<i>Apedinella radians</i>			578					289
Armoured dinoflagellate	22542	35836	50864	760			120	5202
<i>Asterionellopsis glacialis</i>						160		
Centric diatom	289							
<i>Cerataulina pelagica</i>							40	
<i>Ceratium fusus</i>				40				
<i>Ceratium lineatum</i>	3179	7514		40			40	1156
<i>Ceratium longipes</i>				120		40	40	
<i>Ceratium tripos</i>		1156						578
<i>Chaetoceros affinis</i>							40	
<i>Chaetoceros contortus</i>		578		120	80	280	480	1156
<i>Chaetoceros debilis</i>							80	289

<b>3-Aug-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Chaetoceros decipiens</i>				40				
<i>Chaetoceros didymus</i>				40			160	289
<i>Chaetoceros filiformis</i>							440	
<i>Chaetoceros laciniosus</i>				40			80	578
<i>Chaetoceros radicans</i>						120		
<i>Chaetoceros similis</i>	289	1156	1734				600	
<i>Chaetoceros socialis</i>	14739	578	10404	20160	4680	480	8000	2890
<i>Chaetoceros</i> spp. (Hyalochaete)	289	1156	578	240	320	400	640	1445
<i>Chaetoceros subtilis</i>								289
<i>Commatia cryoporinum</i>						80		
Copepoda		578	578	40			40	289
<i>Corethron hystrix</i>				200		40	160	289
<i>Coscinodiscus wailesii</i>	289			80				
<i>Cyclotella</i> spp.							120	
<i>Cylindrotheca closterium</i>	2023	3468	578	2840	4320	1080	3320	289
<i>Dactyliosolen fragilissimus</i>	1156	2890	1734	40	80		80	
<i>Dictyochoa speculum</i>	578	578	578	840	40	40	1600	7803
<i>Dinophysis acuminata</i>	1156	3468	1156	280	120		40	1156
<i>Dinophysis fortii</i>			578					
<i>Dinophysis norvegica</i>	289		578	280				
<i>Dinophysis pulchella</i>	289						40	
<i>Ebria tripartita</i>	867	1734	2312	360	40		1240	30923
<i>Entomoneis</i> spp.					400	200		
<i>Eucampia zodiacus</i>				80				
<i>Eutreptiella</i> sp.	13872	1734	9826	360			280	10115
<i>Gonyaulax spinifera</i>	1156	5780	1734	40				578
<i>Guinardia delicatula</i>				40				
<i>Guinardia striata</i>				200				
<i>Gyrodinium</i> spp.	578	1156	5202	160	160		160	289
<i>Heterocapsa triquetra</i>	83521	217328	350846	4760	80		40	33524
<i>Laboea</i> sp.			578	120			280	
<i>Lauderia annulata</i>				680	120	120	80	289
<i>Lennoxia faveolata</i>	578		1156				440	
<i>Leptocylindrus danicus</i>		1156		40		40		578
<i>Leptocylindrus mediterraneus</i>						80		
<i>Leptocylindrus minimus</i>		578		40		40	1840	
<i>Licmophora</i> spp.						40		
<i>Mesodinium rubrum</i>	11271	20808	10404	920	40		12480	28033
<i>Micracanthodinium claytonii</i>	578	578						
<i>Navicula distans</i>	289					80		
<i>Navicula transitans</i> var. <i>derasa</i>		2312						
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				320	80		40	
<i>Notholca</i> spp.							40	
<i>Paralia sulcata</i>						200		
Pennate diatom		578	2312		120	320		
<i>Pleurosigma strigosum</i>	289			80	80			
<i>Podon</i> spp.								289
<i>Polykrikos</i> spp.							40	
<i>Proboscia alata</i>						40	40	

<b>3-Aug-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Prorocentrum micans</i>							80	289
<i>Prorocentrum minimum</i>	21386	17918		400			120	3757
<i>Protoperidinium bipes</i>							80	
<i>Protoperidinium conicum</i>	289							
<i>Protoperidinium</i> spp.			578	80				
<i>Protoperidinium steinii</i>	289			160				
<i>Pseudo-nitzschia americana</i>	15317	2312	23698	1720	840	160	35080	16762
<i>Pseudo-nitzschia pseudodelicatissima</i>	2023	47974	24276	7960	2760	1400	520	
<i>Pseudo-nitzschia pungens</i>				80			120	289
<i>Pseudo-nitzschia seriata</i>		578						
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>							40	
<i>Rhizosolenia imbricata</i>		578					280	4624
<i>Rhizosolenia setigera</i>				40			240	578
<i>Rhizosolenia</i> spp.							40	
<i>Scrippsiella</i> sp.	14161	71672	128316	800				4046
<i>Scrippsiella trochoidea</i>	10693	17340	39882	400			1400	40171
<i>Skeletonema costatum</i>	578	7514	4624	160	80	80	1400	
<i>Thalassionema nitzschioides</i>				40	440	240		
<i>Thalassiosira baltica</i>					80	40	40	
<i>Thalassiosira gravida</i>				480		120	40	
<i>Thalassiosira punctigera</i>				80				
<i>Thalassiosira</i> sp. (tiny)							200	
<i>Thalassiosira</i> spp.				160	80		40	
Tintinnida	23120	60112	130628	3280	400		2120	55488
<i>Tintinnopsis beroidea</i>					40	200	80	
Unarmoured dinoflagellate	3468	12138	24854	640	80		320	2312
<b>10-Aug-10</b>								
<i>Alexandrium fundyense</i>		289						
<i>Amphidinium sphenoides</i>	288			144				
<i>Apedinella radians</i>	288	578	578					
Armoured dinoflagellate	3600	2312	10404	5616	80			1296
<i>Asterionellopsis glacialis</i>	288				80	120		
<i>Ceratium fusus</i>	288			144			144	
<i>Ceratium lineatum</i>	1008	578		1008	40		144	1152
<i>Ceratium longipes</i>	144			288				
<i>Ceratium tripos</i>								432
<i>Chaetoceros contortus</i>	288							144
<i>Chaetoceros didymus</i>								144
<i>Chaetoceros filiformis</i>							720	
<i>Chaetoceros lacinosus</i>					40			288
<i>Chaetoceros lorenzianus</i>					40			
<i>Chaetoceros similis</i>	432	867	578	144			288	432
<i>Chaetoceros socialis</i>	1296			1152	200		144	144
<i>Chaetoceros</i> spp. (Hyalochaete)			2890	864			144	1584
<i>Chaetoceros</i> spp. (Phaeoceros)					40			
<i>Chaetoceros subtilis</i>							144	
<i>Commation cryoporinum</i>					40			
<i>Corethron hystrix</i>	432	289			80	40		576
<i>Coscinodiscus radiatus</i>						40		

10-Aug-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Cyclotella</i> spp.								432
<i>Cylindrotheca closterium</i>	2592	867	1156	1296	1840	1080	15984	1872
<i>Dactyliosolen fragilissimus</i>	1728	1734	5202	1296	360	120		864
<i>Dictyocha speculum</i>	720	867		576		40	1728	11232
<i>Dinophysis acuminata</i>	1008	289	5202	1152	40	40		288
<i>Dinophysis dens</i>	144							
<i>Dinophysis pulchella</i>								144
<i>Ditylum brightwellii</i>					40			
<i>Ebria tripartita</i>	288	289	578	288	40		288	18864
<i>Entomoneis</i> spp.					160	40		
<i>Eutreptiella</i> sp.	3312	10982	8670	1152			288	
<i>Gonyaulax spinifera</i>	432	578	6936					576
<i>Guinardia delicatula</i>	720	578	578	1008	480	120		
<i>Gyrodinium</i> spp.	576	578	578	576	40		288	
<i>Heterocapsa triquetra</i>	7344	38148	35258	3744				2016
<i>Hexasterias problematica</i>						40		
<i>Laboea</i> sp.				144				
<i>Lauderia annulata</i>				864	120		144	1296
<i>Lennoxia faveolata</i>		289	578				8064	288
<i>Leptocylindrus danicus</i>		289						1296
<i>Leptocylindrus mediterraneus</i>	144							
<i>Leptocylindrus minimus</i>	288			432	120	40	4752	2016
<i>Mesodinium rubrum</i>	2016	2023	26010	1728		40	4176	6336
<i>Navicula transitans</i> var. <i>derasa</i>	288			432	80		144	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	288			144				
<i>Paralia sulcata</i>						120		
Pennate diatom	864		2312		40	160	144	288
<i>Pleurosigma</i> / <i>Gyrosigma</i>								144
<i>Pleurosigma strigosum</i>	288		578				144	
<i>Proboscia alata</i>		578			120	160		
<i>Prorocentrum micans</i>								1008
<i>Prorocentrum minimum</i>	3024	2890	18496	3312			144	3312
<i>Protoperidinium bipes</i>			1156					
<i>Protoperidinium</i> spp.		289		432	40			288
<i>Protoperidinium steinii</i>	144							
<i>Pseudo-nitzschia americana</i>	288		578		80		2016	1872
<i>Pseudo-nitzschia fraudulenta</i>		578	578					
<i>Pseudo-nitzschia pseudodelicatissima</i>	16704	40749	89590	63002	10640	1040	1008	1008
<i>Pseudo-nitzschia pungens</i>				432	360		1584	8640
<i>Pseudo-nitzschia subpacificia</i>	576		578	1152		40		
<i>Pseudo-nitzschia turgidula</i>				144	80			
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>								144
<i>Rhizosolenia imbricata</i>			578			40	1728	2304
<i>Rhizosolenia setigera</i>							576	576
<i>Rhizosolenia</i> spp.			578					144
<i>Scrippsiella</i> sp.	12816	345069	154904	864				2736
<i>Scrippsiella trochoidea</i>	3600	13583	10982	2592	40		576	6048
<i>Skeletonema costatum</i>	6192	12716	63002	12096	2320	200	2160	288
<i>Striatella unipunctata</i>						40		

<b>10-Aug-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassionema nitzschioides</i>	288	289		144	160	40		
<i>Thalassiosira baltica</i>						80		
<i>Thalassiosira gravida</i>	144	289	578	2160	160	80		
<i>Thalassiosira</i> spp.	576	1734		3024	400		144	
Tintinnida	8496	9248	20808	3888	240		1872	12096
<i>Tintinnopsis beroidea</i>					40		720	
Unarmoured dinoflagellate	2304	4913	10982	864	40		144	1440
<b>17-Aug-10</b>								
<i>Actinoptychus senarius</i>					144			
<i>Alexandrium fundyense</i>				144				
<i>Amphidinium carterae</i>		1734						
<i>Amphidinium sphenoides</i>				576			144	289
<i>Apedinella radians</i>		578	578					
Armoured dinoflagellate	8092	12138	20808	1152		40	288	2023
<i>Asterionellopsis glacialis</i>						120		
<i>Cerataulina pelagica</i>							720	1156
<i>Ceratium fusus</i>			578				144	
<i>Ceratium lineatum</i>	1156		7514	144			720	4046
<i>Ceratium longipes</i>							144	1156
<i>Chaetoceros affinis</i>								2312
<i>Chaetoceros constrictus</i>							144	24565
<i>Chaetoceros contortus</i>								1156
<i>Chaetoceros debilis</i>			1156					578
<i>Chaetoceros decipiens</i>							144	289
<i>Chaetoceros didymus</i>								289
<i>Chaetoceros laciniosus</i>			578				144	867
<i>Chaetoceros pseudobrevis</i>						40		
<i>Chaetoceros similis</i>	289	1734	578	288		40	1296	
<i>Chaetoceros socialis</i>	4624	3468	9826	3024			1296	578
<i>Chaetoceros</i> spp. (Hyalochaete)	578	1734	1734	576	288	80	1296	4913
<i>Chaetoceros subtilis</i>							144	
<i>Corethron hystrix</i>			1156	144	144	40	288	289
<i>Coscinodiscus radiatus</i>	578							
<i>Cyclotella</i> spp.							144	
<i>Cylindrotheca closterium</i>	10693	4046	4046	8496	3312	1320	4608	2023
<i>Dactyliosolen fragilissimus</i>	578		578	2160	1584	40	576	10115
<i>Dictyocha speculum</i>	1445	578	1734	1008			2880	9537
<i>Dinophysis acuminata</i>	867	1156		288	144			578
<i>Dinophysis norvegica</i>		578	578	144				
<i>Ebria tripartita</i>	578		578	720			1728	289
<i>Entomoneis</i> spp.				1008	144	240	144	
<i>Eucampia zodiacus</i>								289
<i>Eutreptiella</i> sp.	4046	15028	8670	2160			288	289
<i>Gonyaulax digitale</i>		578	578					
<i>Gonyaulax spinifera</i>	578	578		144				289
<i>Guinardia delicatula</i>	578			144	720	320		289
<i>Gyrodinium aureolum</i>			578					
<i>Gyrodinium</i> spp.	1445	3468	2312	1152	144	40	1152	
<i>Heterocapsa triquetra</i>	11560	27166	27166	576	144			1156

<b>17-Aug-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Laboea</i> sp.	578	578						
<i>Lauderia annulata</i>				144	288	40		
<i>Lennoxia faveolata</i>	867	578					2304	
<i>Leptocylindrus danicus</i>	1156	578					5328	40460
<i>Leptocylindrus mediterraneus</i>	578							
<i>Leptocylindrus minimus</i>	4335	6358	1156	720	288		3168	578
<i>Licmophora</i> spp.	289							
<i>Mesodinium rubrum</i>	20230	4046	26588			120	13824	10982
<i>Navicula transitans</i> var. <i>derasa</i>	289							
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				144			144	
Pennate diatom				144	288	40	144	
<i>Pleurosigma strigosum</i>	578	578		144		40		289
<i>Polykrikos</i> spp.				144				
<i>Proboscia alata</i>				144	144	40		289
<i>Prorocentrum micans</i>	289							578
<i>Prorocentrum minimum</i>	4335	75140	50286	1584			288	1734
<i>Protoperidinium depressum</i>		578						
<i>Protoperidinium</i> spp.			578					
<i>Protoperidinium steinii</i>			578					
<i>Pseudo-nitzschia americana</i>	1445	3468		2160	144		2880	33524
<i>Pseudo-nitzschia delicatissima</i> group								289
<i>Pseudo-nitzschia fraudulentula</i>	578		1734	144	144			
<i>Pseudo-nitzschia pseudodelicatissima</i>	90168	404600	636603	206708	83810	10000	4176	
<i>Pseudo-nitzschia pungens</i>	6936	4624	7514	4176	1728	520	7200	14161
<i>Pseudo-nitzschia seriata</i>		578		576	144			
<i>Pseudo-nitzschia seriata</i> group	289		1734	144				
<i>Pseudo-nitzschia subpacificula</i>	1734	1156	10404	3888	2448	120		
<i>Pseudo-nitzschia turgidula</i>				144	288			
<i>Rhizosolenia imbricata</i>	867			144		120	11952	54043
<i>Rhizosolenia setigera</i>		578	578	288		80	432	578
<i>Rhizosolenia</i> spp.		1156						
<i>Scrippsiella</i> sp.	7225	186694	38148	432				1734
<i>Scrippsiella trochoidea</i>	2312	24276	3468	720				578
<i>Skeletonema costatum</i>	578		1734	2016	2448	320		
<i>Thalassionema nitzschioides</i>	289			576	432	280	288	289
<i>Thalassiosira baltica</i>				144				
<i>Thalassiosira bioculata</i> var. <i>exigua</i>			578					
<i>Thalassiosira gravida</i>	2023	2890	5780	1440	288	240	288	
<i>Thalassiosira</i> sp. (tiny)				432				
<i>Thalassiosira</i> spp.	578	578	2890	2160	1008	80		
Tintinnida	27744	116178	26588	2880	864	80	7344	33813
<i>Tintinnopsis beroidea</i>				288		80		289
Unarmoured dinoflagellate	2601	18496	7514	1296				2312
<b>24-Aug-10</b>								
<i>Actinopterychus senarius</i>					144			
<i>Alexandrium fundyense</i>	289							
<i>Amphidinium carterae</i>	289	578			288			
<i>Amphidinium sphenoides</i>			578					1156
<i>Amylax triacantha</i>				289				

24-Aug-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Apedinella radians</i>	867		867					
Armoured dinoflagellate	10693	17629	18207	578	432		578	1156
<i>Asterionellopsis glacialis</i>	289	289		289	144	40		
<i>Aulacoseira ambigua</i>			867				289	
Centric diatom		578						
<i>Cerataulina pelagica</i>			289			40	289	4046
<i>Ceratium fusus</i>		289					289	
<i>Ceratium lineatum</i>	2312	2890	3179	1734			289	6358
<i>Ceratium longipes</i>				578				
<i>Ceratium tripos</i>			578	578	288			578
<i>Chaetoceros constrictus</i>								2312
<i>Chaetoceros contortus</i>		289			144			578
<i>Chaetoceros decipiens</i>					144	40		
<i>Chaetoceros filiformis</i>	578						578	
<i>Chaetoceros laciniosus</i>		578						
<i>Chaetoceros lorenzianus</i>	289							1156
<i>Chaetoceros pseudobrevis</i>				289				
<i>Chaetoceros similis</i>	578	289	578	1156	432		2312	578
<i>Chaetoceros socialis</i>	7803	12427	867	41327	6480	320	2312	5780
<i>Chaetoceros</i> spp. (Hyalochaete)	289	289	578	578	720	240	289	1156
<i>Chaetoceros subtilis</i>							289	
Copepoda		867	578			80		
<i>Corethron hystrix</i>	1734	1156	3757	2312	576	240		1156
<i>Coscinodiscus radiatus</i>		289						
<i>Cylindrotheca closterium</i>	6358	2312	9826	3468	4176	1640	1734	1156
<i>Dactyliosolen fragilissimus</i>						320	6936	15606
<i>Dictyocha speculum</i>	1156	578	1734	867	576		2312	15606
<i>Dinophysis acuminata</i>	867		1156	1156	288			1156
<i>Dinophysis norvegica</i>			289	289				
<i>Ditylum brightwellii</i>			1156	289				
<i>Ebria tripartita</i>		289	578				3468	
<i>Eucampia zodiacus</i>							289	578
<i>Eutreptiella</i> sp.	2601	4335	4046		144			578
<i>Gonyaulax spinifera</i>		578	578					
<i>Guinardia delicatula</i>	1445	1156	2023	1156	576	240		578
<i>Gyrodinium aureolum</i>		578	578	289				578
<i>Gyrodinium</i> spp.	867	2312	1156				867	578
<i>Helicostomella</i> spp.								578
<i>Helicotheca tamesis</i>						80		
<i>Heterocapsa triquetra</i>	867	2312	4335					
<i>Laboea</i> sp.	1445	578	289					
<i>Lauderia annulata</i>	289	289		289	288	80	289	
<i>Lennoxia faveolata</i>		289					8959	
<i>Leptocylindrus danicus</i>	2312	5491	1734	3179	1872	280	51731	274550
<i>Leptocylindrus mediterraneus</i>								578
<i>Leptocylindrus minimus</i>	289	2312	2312	867	1296	40	15606	578
<i>Mesodinium rubrum</i>	3757	6069	8959	2312	288	80	16762	45662
<i>Navicula transitans</i> var. <i>derasa</i>			1734					
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	578	289			144			



<b>24-Aug-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
Pennate diatom	289		2312	1445	144	160	578	
<i>Pleurosigma strigosum</i>		289	289	289	432	40		578
<i>Polykrikos</i> spp.	289		289					
<i>Proboscia alata</i>	289		289	289		80		578
<i>Prorocentrum micans</i>		289					289	1156
<i>Prorocentrum minimum</i>	2023	6936	7803	3757	720		578	578
<i>Protoperidinium bipes</i>	289	578			144			
<i>Protoperidinium</i> spp.	289	289	867	289	144			
<i>Protoperidinium steinii</i>					144			
<i>Pseudo-nitzschia americana</i>	289	1156					289	12716
<i>Pseudo-nitzschia delicatissima</i>	1734						289	
<i>Pseudo-nitzschia delicatissima</i> group		289						
<i>Pseudo-nitzschia fraudulentula</i>		1156		1445		40		
<i>Pseudo-nitzschia pseudodelicatissima</i>	289		2023	4335	11808	13760	867	1734
<i>Pseudo-nitzschia pungens</i>	8092	25143	2312	16762	11232	2160	1734	4046
<i>Pseudo-nitzschia seriata</i>	289				864	40		
<i>Pseudo-nitzschia subpacificula</i>	867	27455	1156	7514	12816	720		578
<i>Pseudo-nitzschia turgidula</i>					576			
<i>Rhizosolenia imbricata</i>	289		289	1156	288	320	15028	54332
<i>Rhizosolenia setigera</i>					144	80	289	1156
<i>Rhizosolenia</i> spp.			289					
<i>Scrippsiella</i> sp.	19941	20230	11849					1156
<i>Scrippsiella trochoidea</i>	6069	3179	4913	289	144			1156
<i>Skeletonema costatum</i>	19363	6069	61846	10693	1152			
<i>Thalassionema nitzschioides</i>	289	289	2890	2601	864	680	289	
<i>Thalassiosira baltica</i>						40		
<i>Thalassiosira bioculata</i> var. <i>exigua</i>		578						
<i>Thalassiosira gravida</i>	289	2312		1156	720	200		578
<i>Thalassiosira</i> sp. (tiny)			4913	867	144			
<i>Thalassiosira</i> spp.	4624	2890	8670	9537	3312	560		578
Tintinnida	41616	18207	40171	5202	2016	80	867	5780
<i>Tintinnopsis beroidea</i>				867	144			
Unarmoured dinoflagellate	6647	6069	13583	867			289	1156
<b>30-Aug-10</b>								
<i>Actinopterychus senarius</i>						40		
<i>Amphidinium carterae</i>	280	289						144
<i>Apedinella radians</i>								144
Armoured dinoflagellate	1520	16762	4335	867		80	578	4608
<i>Asterionellopsis glacialis</i>	320	289		3179	720	80		
Centric diatom						40		
<i>Cerataulina pelagica</i>		1156					1445	3024
<i>Ceratium fusus</i>	200			289	40	40		
<i>Ceratium lineatum</i>	3880	1156		3468			578	576
<i>Ceratium longipes</i>	120							
<i>Ceratium tripos</i>	120							432
<i>Chaetoceros borealis</i>					40			
<i>Chaetoceros constrictus</i>							578	288
<i>Chaetoceros contortus</i>	40	289		289				720
<i>Chaetoceros debilis</i>				578				

30-Aug-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros decipiens</i>			289	1156	120			
<i>Chaetoceros didymus</i>								144
<i>Chaetoceros filiformis</i>		867						
<i>Chaetoceros laciniosus</i>		289						
<i>Chaetoceros lorenzianus</i>							289	288
<i>Chaetoceros radicans</i>					80			
<i>Chaetoceros similis</i>	120	289	867	578	200	40	1156	144
<i>Chaetoceros simplex</i>			289					
<i>Chaetoceros socialis</i>	1760	18207	3468	6358	600			
<i>Chaetoceros</i> spp. (Hyalochaete)	240	2023	1734	1156	80	80	289	432
<i>Chaetoceros subtilis</i>							289	
Copepoda	120		289		80	120		
<i>Corethron hystrix</i>	240		2023	1156	440	520	578	
<i>Coscinodiscus concinnus</i>	80							
<i>Coscinodiscus wailesii</i>	40							
<i>Cylindrotheca closterium</i>	4840	6358	3179	14450	5200	1680	578	288
<i>Dactyliosolen fragilissimus</i>	160		867				9248	1008
<i>Dictyocha speculum</i>	360		289	1445		40	2023	1584
<i>Dinophysis acuminata</i>	1080			867	40			2160
<i>Dinophysis norvegica</i>	160							
<i>Dinophysis pulchella</i>								144
<i>Dinophysis rotundata</i>	40		289					
<i>Ditylum brightwellii</i>					40		289	
<i>Ebria tripartita</i>	200	578	578				2023	
<i>Entomoneis</i> spp.					80	80		
<i>Eucampia zodiacus</i>							578	144
<i>Eutreptiella</i> sp.	400		1734					
<i>Gonyaulax spinifera</i>	120		1156	289				432
<i>Guinardia delicatula</i>	40	289	867	2023	440	200	2312	144
<i>Guinardia flaccida</i>						40		
<i>Gyrodinium aureolum</i>			867					576
<i>Gyrodinium</i> spp.	160		1734	1156		40		864
<i>Helicostomella</i> spp.	40							144
<i>Heterocapsa triquetra</i>	40	578		289				
<i>Laboea</i> sp.	80					40		
<i>Lauderia annulata</i>	80	578	289					
<i>Lennoxia faveolata</i>			289					
<i>Leptocylindrus danicus</i>	2720	17051	30345	30634	6160	7640	276862	666600
<i>Leptocylindrus minimus</i>	320	578		289	120	40	10404	720
<i>Mesodinium rubrum</i>	4240	4046	1156	867	80	120	8092	1008
<i>Micracanthodinium claytonii</i>	120							
<i>Navicula distans</i>	40			289				
Pennate diatom	160	289		578	360	120		
<i>Pleurosigma angulatum</i>	40							
<i>Pleurosigma strigosum</i>	80				80	40	289	
<i>Proboscia alata</i>	40		1445	578	80	80		720
<i>Prorocentrum micans</i>	120							432
<i>Prorocentrum minimum</i>	240	578	289					288
<i>Protoperidinium</i> spp.	40			289	80			

<b>30-Aug-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Protoperidinium steinii</i>	40							
<i>Pseudo-nitzschia americana</i>	240		289				578	720
<i>Pseudo-nitzschia fraudulenta</i>				578				
<i>Pseudo-nitzschia pseudodelicatissima</i>	280		289	289	2000	1200	1734	
<i>Pseudo-nitzschia pungens</i>	600	289	2312	12138	3360	1160	1156	144
<i>Pseudo-nitzschia seriata</i>			289					
<i>Pseudo-nitzschia subpacific</i>	120	289	867	3757	840	200	578	144
<i>Rhizosolenia imbricata</i>	280		867	1445	440	400	15317	9072
<i>Rhizosolenia setigera</i>	40				80	120	289	
<i>Scrippsiella</i> sp.	1440	30923	38726				289	10080
<i>Scrippsiella trochoidea</i>	440	289	578	867				288
<i>Skeletonema costatum</i>	2280	112132	206708	95948	8000	2360		
<i>Thalassionema nitzschioides</i>	360	289	867	6069	3040	880	867	
<i>Thalassiosira baltica</i>						80		
<i>Thalassiosira gravida</i>	120			1156	200	240		
<i>Thalassiosira punctigera</i>					40			
<i>Thalassiosira</i> sp. (tiny)					160			
<i>Thalassiosira</i> spp.	360	867	4046	11849	3560	720		
Tintinnida	1840	7225	19941	4046	160	40	1445	4896
<i>Tintinnopsis beroidea</i>				289	200	80		
Unarmoured dinoflagellate	760	289	5491	578	40		867	6336
<b>7-Sep-10</b>								
<i>Actinoptychus senarius</i>			289		144	80		
<i>Amphidinium carterae</i>		867						144
<i>Apedinella radians</i>		1734						144
Armoured dinoflagellate	432	2023	578	771				864
<i>Asterionellopsis glacialis</i>	1152	1156	867	1541	1728	280		144
Centric diatom								144
<i>Cerataulina pelagica</i>	864	867	578	1349		80	1152	1728
<i>Ceratium fusus</i>								144
<i>Ceratium lineatum</i>	576	1156	578					5328
<i>Ceratium</i> spp.	144			193				
<i>Ceratium tripos</i>	144							144
<i>Chaetoceros constrictus</i>	144							
<i>Chaetoceros contortus</i>	144	289	289			40		
<i>Chaetoceros debilis</i>		289						
<i>Chaetoceros decipiens</i>		1445		385				
<i>Chaetoceros filiformis</i>		1156						
<i>Chaetoceros lacinosus</i>		578	289					
<i>Chaetoceros lorenzianus</i>		289			144	80	144	
<i>Chaetoceros peruvianus</i>					144			
<i>Chaetoceros pseudobrevis</i>				385				
<i>Chaetoceros radicans</i>				193				
<i>Chaetoceros similis</i>	864	867	1156	578	288	160	1872	2016
<i>Chaetoceros socialis</i>	4752	14739	4913	578	288			144
<i>Chaetoceros</i> spp. (Hyalochaete)	576	2312	1445	2119	864			
<i>Chaetoceros</i> spp. (Phaeoceros)						40		
<i>Commation cryoporinum</i>					144			
Copepoda	144						144	

<b>7-Sep-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Corethron hystrix</i>	720	867	867	1734	288	40	432	576
<i>Coscinodiscus radiatus</i>								144
<i>Cylindrotheca closterium</i>	3456	4624	10115	3468	5904	960	576	3888
<i>Dactyliosolen fragilissimus</i>			578					432
<i>Dictyocha speculum</i>	1152	1734	2312	1734	144	80	2736	9504
<i>Dinophysis acuminata</i>	720	578	289	193	144	120	144	576
<i>Dinophysis fortii</i>								144
<i>Dinophysis norvegica</i>	144	289	289					144
<i>Dinophysis rotundata</i>	144							
<i>Ditylum brightwellii</i>	432	1445	1156	963	288	80		288
<i>Ebria tripartita</i>	144	289	867				576	720
<i>Entomoneis</i> spp.						40		
<i>Eucampia zodiacus</i>								576
<i>Eutreptiella</i> sp.	432	1734	289				144	432
<i>Gonyaulax spinifera</i>		289						144
<i>Guinardia delicatula</i>	1296	1156	1445	2119	1152	360	576	1152
<i>Gyrodinium</i> spp.	288	578		193	144		432	432
<i>Helicostomella</i> spp.							288	
<i>Heterocapsa triquetra</i>		289						
<i>Laboea</i> sp.		1734		193				
<i>Lauderia annulata</i>		289	289	385		40		144
<i>Lennoxia faveolata</i>	144	1156						
<i>Leptocylindrus danicus</i>	58956	102884	150858	127160	38016	4680	58608	320064
<i>Leptocylindrus minimus</i>	2016	3468	1734	578			432	288
<i>Mesodinium rubrum</i>	7632	10982	5491	771	144	160	1296	5184
<i>Navicula transitans</i> var. <i>derasa</i>							144	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			289		144			
<i>Paralia sulcata</i>		289						
Pennate diatom	288	867		385	720		144	
<i>Pleurosigma strigosum</i>		289					288	288
<i>Prorocentrum micans</i>			289				144	1440
<i>Prorocentrum minimum</i>		578						
<i>Protoperdinium bipes</i>			289					
<i>Protoperdinium</i> spp.			289	385				
<i>Pseudo-nitzschia americana</i>		578		193				
<i>Pseudo-nitzschia delicatissima</i> group	1296						432	
<i>Pseudo-nitzschia fraudulentata</i>	432	867		1156	144	240		
<i>Pseudo-nitzschia pseudodelicatissima</i>		3468	2601	1927	3168	1120		
<i>Pseudo-nitzschia pungens</i>	1152	3468	1734	3854	1152	400	144	576
<i>Pseudo-nitzschia seriata</i>				193		40		
<i>Pseudo-nitzschia seriata</i> group		289	289	193				
<i>Pseudo-nitzschia subpacificata</i>	4464	10693	6358	11753	3168	400		
<i>Pseudo-nitzschia turgidula</i>	144		867	771				
<i>Rhizosolenia imbricata</i>			578	385		120	576	288
<i>Rhizosolenia setigera</i>						160	144	288
<i>Rhizosolenia</i> spp.							720	
<i>Scrippsiella</i> sp.	288							
<i>Scrippsiella trochoidea</i>	144	289						432
<i>Skeletonema costatum</i>	9072	9826	15028	16378	13104	6400		1872

<b>7-Sep-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassionema nitzschioides</i>	1584		1156	2312	3744	1200	144	144
<i>Thalassiosira baltica</i>	144			193				
<i>Thalassiosira bioculata</i> var. <i>exigua</i>								144
<i>Thalassiosira gravida</i>			289	193	432	120		
<i>Thalassiosira nordenskiöldii</i>				193				
<i>Thalassiosira</i> sp. (tiny)			1156					288
<i>Thalassiosira</i> spp.	1872	4046	8092	10405	6048	1520	144	
Tintinnida	1296	8381	4624	771	288	40	3168	7200
<i>Tintinnopsis beroidea</i>	288		578	385		40	1296	
Unarmoured dinoflagellate	432	2312	1445	385	144		288	288
<b>14-Sep-10</b>								
<i>Actinopterychus senarius</i>	144			720	720	1152		
<i>Amphidinium sphenoides</i>					144			
<i>Apedinella radians</i>		144	576					144
Armoured dinoflagellate	144		2304	576	144		288	864
<i>Asterionellopsis glacialis</i>		144		288	288	432		
<i>Cerataulina pelagica</i>		288	480	1008	432	144	144	864
<i>Ceratium fusus</i>	144	288	192			144		432
<i>Ceratium lineatum</i>	1152	720	5184	2448	720		144	4320
<i>Ceratium longipes</i>				144				
<i>Ceratium</i> spp.		144					288	
<i>Ceratium tripos</i>							144	144
<i>Chaetoceros constrictus</i>	144							
<i>Chaetoceros contortus</i>	144	432			288			
<i>Chaetoceros convolutus / concavicornis</i>						144		
<i>Chaetoceros debilis</i>	288	720						
<i>Chaetoceros decipiens</i>		144		144				
<i>Chaetoceros laciniosus</i>		144						
<i>Chaetoceros lorenzianus</i>			96					
<i>Chaetoceros peruvianus</i>				144				
<i>Chaetoceros radicans</i>				288				
<i>Chaetoceros similis</i>	288	576	864	288	432	144	720	720
<i>Chaetoceros socialis</i>		2448	3072	720	432			
<i>Chaetoceros</i> spp. (Hyalochaete)	576	576	960	144	1008	1008		
Copepoda			192	144				
<i>Corethron hystrix</i>	144		288	288	288	432	432	720
<i>Coscinodiscus wailesii</i>	144							
<i>Cylindrotheca closterium</i>	2592	2592	1344	1728	2592	2016	864	1584
<i>Dactyliosolen fragilissimus</i>		144	192					
<i>Dictyocha speculum</i>	1152	720	2016	1296	144	288	1008	8928
<i>Dinophysis acuminata</i>			576	288	144		288	1152
<i>Dinophysis norvegica</i>		144		288				288
<i>Dinophysis rotundata</i>			96					
<i>Ditylum brightwellii</i>		864	480	432	720	720		
<i>Ebria tripartita</i>		144	192					432
<i>Eucampia zodiacus</i>		144						576
<i>Eutreptiella</i> sp.			96					
<i>Gonyaulax digitale</i>				144				
<i>Gonyaulax spinifera</i>			192					288

<b>14-Sep-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Guinardia delicatula</i>	720	1440	1440	576	576	288	432	1296
<i>Guinardia flaccida</i>		288	96				144	
<i>Gyrodinium aureolum</i>			96					
<i>Gyrodinium</i> spp.	432	576	384	720	288		144	720
<i>Gyrosigma fasciola</i>		144						
<i>Helicostomella</i> spp.								144
<i>Laboea</i> sp.		144		288				144
<i>Lauderia annulata</i>				288	144			
<i>Lennoxia faveolata</i>								144
<i>Leptocylindrus danicus</i>	104040	188428	369963	272816	100572	75140	186694	404600
<i>Leptocylindrus mediterraneus</i>			192					
<i>Leptocylindrus minimus</i>	1008	720	1344	1008	288	144	576	2160
<i>Mediopyxis helysia</i>						144		
<i>Mesodinium rubrum</i>	5616		3552	1008			2160	13680
<i>Oxytoxum gracile</i>	144							
Pennate diatom			96	144		576		
<i>Pleurosigma strigosum</i>	144		96		144			
<i>Proboscia alata</i>			96					
<i>Prorocentrum micans</i>		144	192				288	1728
<i>Prorocentrum minimum</i>			384					
<i>Protoperidinium conicum</i>		144						
<i>Protoperidinium depressum</i>			96					
<i>Protoperidinium oblongum</i>		144		144				144
<i>Protoperidinium</i> spp.					144			864
<i>Pseudo-nitzschia americana</i>		432						
<i>Pseudo-nitzschia delicatissima</i>		288	288					
<i>Pseudo-nitzschia delicatissima</i> group	576						144	
<i>Pseudo-nitzschia fraudulentata</i>		288	384	288	144	432		
<i>Pseudo-nitzschia pseudodelicatissima</i>		144		1440	1152	1008		576
<i>Pseudo-nitzschia pungens</i>		576	192	1152	2016	1008		144
<i>Pseudo-nitzschia seriata</i> group		288	672					
<i>Pseudo-nitzschia subpacificata</i>	144	576	960	1872	2304	1728		288
<i>Pseudo-nitzschia turgidula</i>				144				
<i>Rhizosolenia setigera</i>	288					144	864	144
<i>Skeletonema costatum</i>	144		672	288		1296	432	
<i>Thalassionema nitzschioides</i>	288		96	432	1584	2448	144	720
<i>Thalassiosira gravida</i>					432	288		
<i>Thalassiosira</i> sp. (tiny)	144							
<i>Thalassiosira</i> spp.		144	576	576	2016	1152		144
Tintinnida	2160	1008	4320	1440	432	144	576	6192
<i>Tintinnopsis beroidea</i>	720	576	768	432		144		288
Unarmoured dinoflagellate	432	144	1440	144				
<b>21-Sep-10</b>								
<i>Actinoptychus senarius</i>						80		
<i>Amphidinium sphenoides</i>					144			
<i>Apedinella radians</i>		144						144
Armoured dinoflagellate	144	288	867	144	1152			576
<i>Asterionellopsis glacialis</i>						40		
Centric diatom				144			40	

21-Sep-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Cerataulina pelagica</i>		720	289				160	2304
<i>Ceratium fusus</i>					288			144
<i>Ceratium lineatum</i>	432	576	578	1872	2592			1584
<i>Ceratium tripos</i>			289	144				
<i>Chaetoceros concavicornis</i>						80		
<i>Chaetoceros constrictus</i>							40	
<i>Chaetoceros contortus</i>	144	288						
<i>Chaetoceros debilis</i>		1008		144	432			
<i>Chaetoceros decipiens</i>		144	289		144			144
<i>Chaetoceros densus</i>			289					
<i>Chaetoceros didymus</i>							40	
<i>Chaetoceros lorenzianus</i>		144						
<i>Chaetoceros peruvianus</i>	144							
<i>Chaetoceros similis</i>	288	1008		144	144	40	280	2736
<i>Chaetoceros socialis</i>	1008	6912	1445					1152
<i>Chaetoceros</i> spp. (Hyalochaete)	432	1872	289	864	1296		40	576
<i>Chaetoceros</i> spp. (Phaeoceros)		144		144	288			
<i>Chaetoceros subtilis</i>								720
Copepoda	144							
<i>Corethron hystrix</i>	288	576	578	720	144	120	440	
<i>Coscinodiscus radiatus</i>	144							
<i>Cylindrotheca closterium</i>	1728	1152	4624	864	2304	600	240	2880
<i>Dactyliosolen fragilissimus</i>		144	289	144			120	
<i>Dictyocha speculum</i>	720	288	1156	2016	1440		440	7920
<i>Dinophysis acuminata</i>		144	867	864	576		40	144
<i>Dinophysis norvegica</i>	144		289					
<i>Ditylum brightwellii</i>	144	576		144				
<i>Ebria tripartita</i>								432
<i>Entomoneis</i> spp.						40		
<i>Eucampia zodiacus</i>		288						288
<i>Eutreptiella</i> sp.			289					
<i>Guinardia delicatula</i>	864	720	2023	1872	1440		80	1152
<i>Guinardia flaccida</i>		144						
<i>Gyrodinium</i> spp.	144	288		432	432		40	1152
<i>Heterocapsa triquetra</i>				288				
<i>Laboea</i> sp.			289		144			
<i>Leptocylindrus danicus</i>	59904	206346	130339	266458	280908	11080	3720	239292
<i>Leptocylindrus minimus</i>	288	144	867		1008	40	200	576
<i>Mesodinium rubrum</i>	6192	4176	2023	144	576	120	840	11232
<i>Navicula transitans</i> var. <i>derasa</i>						40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	144				144			
Pennate diatom					144		40	144
<i>Pleurosigma angulatum</i>					144			
<i>Pleurosigma strigosum</i>	144			144	144		360	
<i>Proboscia alata</i>				144				
<i>Prorocentrum micans</i>		144		144	288			1728
<i>Protoperidinium punctulatum</i>		144						
<i>Protoperidinium</i> spp.		144				80		
<i>Pseudo-nitzschia americana</i>	144							

<b>21-Sep-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia delicatissima</i>		288	578					144
<i>Pseudo-nitzschia fraudulenta</i>	144		289	288		160		
<i>Pseudo-nitzschia pseudodelicatissima</i>			289	1728	864	80		432
<i>Pseudo-nitzschia pungens</i>	144	288		144	1440	320	40	
<i>Pseudo-nitzschia seriata</i> group					144			
<i>Pseudo-nitzschia subpacific</i>	576	288	2890	1872	1152	720		
<i>Rhizosolenia setigera</i>							80	144
<i>Skeletonema costatum</i>		432			288		40	
<i>Thalassionema nitzschioides</i>	576	144	289	2016	1152	800	80	432
<i>Thalassiosira anguste-lineata</i>		144						
<i>Thalassiosira baltica</i>		144	289		144	40	80	
<i>Thalassiosira gravida</i>	144	432		144				
<i>Thalassiosira punctigera</i>							40	
<i>Thalassiosira</i> sp. (tiny)					144			
<i>Thalassiosira</i> spp.	144	144	867	720	1440	80		
Tintinnida	1152	864	5491	2016	2448	40	920	5616
<i>Tintinnopsis beroidea</i>	288	144	867	288	864	80		
Unarmoured dinoflagellate	432	720	578		288			144
<b>28-Sep-10</b>								
<i>Actinoptychus senarius</i>	320	144	40	160	280	160		
<i>Amphidinium carterae</i>	120	144	40		40			144
<i>Apedinella radians</i>		576	80					
Armoured dinoflagellate	80	576	360	80	40	120		720
<i>Asterionellopsis glacialis</i>			40	40				
Centric diatom	80							
<i>Cerataulina pelagica</i>		144						2160
<i>Ceratium fusus</i>	40	288	40			40		
<i>Ceratium lineatum</i>	1240	5328	1040	40	200			288
<i>Ceratium tripos</i>	40	720	160		40			144
<i>Chaetoceros constrictus</i>	40	288						1872
<i>Chaetoceros debilis</i>	80				200			
<i>Chaetoceros decipiens</i>	40		80		120			144
<i>Chaetoceros peruvianus</i>	40	144		120				
<i>Chaetoceros similis</i>	160	144	160	80	80			1296
<i>Chaetoceros socialis</i>		1440						432
<i>Chaetoceros</i> spp. (Hyalochaete)			40	120	40	120		
<i>Chaetoceros</i> spp. (Phaeoceros)					80			
<i>Commation cryoporinum</i>						40		
Copepoda			40					144
<i>Corethron hystrix</i>	40	432	240	120	120			288
<i>Coscinodiscus radiatus</i>								144
<i>Coscinodiscus</i> spp.					40			
<i>Coscinodiscus wailesii</i>	40							
<i>Cylindrotheca closterium</i>	1640	3600	2160	1520	1240	1320		1584
<i>Dactyliosolen fragilissimus</i>			80	40				
<i>Dictyocha fibula</i>			40					
<i>Dictyocha speculum</i>	560	3600	1680	520	200	80		9648
<i>Dinophysis acuminata</i>	240	576	320	160				720
<i>Dinophysis caudata</i>				40				



<b>28-Sep-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Dinophysis fortii</i>	40							144
<i>Dinophysis norvegica</i>	160	432	80	80				
<i>Dinophysis rotundata</i>								144
<i>Dinophysis tripos</i>	40		80					
<i>Dissodinium pseudolunula</i>								144
<i>Ditylum brightwellii</i>	40		80	40	200	80		
<i>Eucampia zodiacus</i>								14400
<i>Eutreptiella</i> sp.			40					
<i>Gonyaulax spinifera</i>	80	288	40					
<i>Guinardia delicatula</i>	440	1296		360	120	280		864
<i>Guinardia flaccida</i>	80	144		40				288
<i>Guinardia striata</i>		144	120					
<i>Gyrodinium</i> spp.	160		120		120			720
<i>Helicostomella</i> spp.								144
<i>Heterocapsa triquetra</i>			80		40			144
<i>Laboea</i> sp.	360	432	80		40			
<i>Lauderia annulata</i>								432
<i>Leptocylindrus danicus</i>	15480	61776	11600	86122	78608	19720		4032
<i>Leptocylindrus minimus</i>	40	432	40	80		40		
<i>Mesodinium rubrum</i>	8880	3744	1720	80		120		9792
<i>Navicula distans</i>						40		
<i>Navicula transitans</i> var. <i>derasa</i>	80			40				
<i>Oxytoxum gracile</i>		144						
Pennate diatom	80	432			40			288
<i>Pleurosigma strigosum</i>		144			40			
<i>Prorocentrum micans</i>	480	864	480					3888
<i>Prorocentrum minimum</i>			40					
<i>Protoperidinium</i> spp.		144			40			
<i>Pseudo-nitzschia americana</i>			40					2160
<i>Pseudo-nitzschia delicatissima</i> group	80		240					
<i>Pseudo-nitzschia fraudulenta</i>			40		40	80		
<i>Pseudo-nitzschia pseudodelicatissima</i>			160	120	640	160		
<i>Pseudo-nitzschia pungens</i>	40		80	160	240			864
<i>Pseudo-nitzschia seriata</i> group					80			
<i>Pseudo-nitzschia subpacificica</i>		144			320			
<i>Scrippsiella trochoidea</i>			40	40				288
<i>Skeletonema costatum</i>	80	288	80					
<i>Thalassionema nitzschioides</i>	40	432	520	1160	1000	1160		144
<i>Thalassiosira baltica</i>	40				80	40		
<i>Thalassiosira gravida</i>		144						144
<i>Thalassiosira punctigera</i>	40		80	40	40			
<i>Thalassiosira</i> sp. (tiny)			40					
<i>Thalassiosira</i> spp.	80	144	160	240	160	160		
Tintinnida	9520	8352	3720	120	160	360		2736
<i>Tintinnopsis beroidea</i>	1160	576	80	240	80	160		432
Unarmoured dinoflagellate	120	576	120	80				720
<b>5-Oct-10</b>								
<i>Actinopterychus senarius</i>	40	40	240	160	440	80	40	240
<i>Apedinella radians</i>		80	160					

5-Oct-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Armoured dinoflagellate	120	80	120		80		200	760
Centric diatom				40				120
<i>Ceratium fusus</i>	80	80		80			120	320
<i>Ceratium lineatum</i>	640	840	120	320	80		120	480
<i>Ceratium longipes</i>				40			40	40
<i>Ceratium</i> spp.							40	
<i>Ceratium tripos</i>		200	80	120	40		200	160
<i>Chaetoceros constrictus</i>		40						120
<i>Chaetoceros debilis</i>							40	40
<i>Chaetoceros decipiens</i>			40					
<i>Chaetoceros lorenzianus</i>					40			
<i>Chaetoceros similis</i>		80	80			40		160
<i>Chaetoceros socialis</i>								160
<i>Chaetoceros</i> spp. (Hyalochaete)	40						40	160
<i>Chaetoceros</i> spp. (Phaeoceros)						40		80
<i>Chaetoceros subtilis</i>	40							
Copepoda	40			120			40	40
<i>Corethron hystrix</i>	80	160	120	80	40			
<i>Coscinodiscus radiatus</i>				40	40	40		
<i>Coscinodiscus</i> spp.				40		40		
<i>Coscinodiscus wailesii</i>		40					40	80
<i>Cylindrotheca closterium</i>	3520	3040	2640	600	1680	320	200	400
<i>Dictyocha speculum</i>	560	2360	920	480	200	80	1320	8360
<i>Dictyocysta</i> sp.		40						
<i>Dinophysis acuminata</i>	40	40	40	40		40	40	680
<i>Dinophysis fortii</i>	40			40				40
<i>Dinophysis norvegica</i>		80	120					160
<i>Dinophysis tripos</i>	40							
<i>Ditylum brightwellii</i>		80		40	40	40		
<i>Eucampia zodiacus</i>							720	1440
<i>Eutreptiella</i> sp.	40							
<i>Gonyaulax spinifera</i>			120					
<i>Guinardia delicatula</i>		40						280
<i>Guinardia flaccida</i>							40	520
<i>Guinardia striata</i>			40					
<i>Gyrodinium</i> spp.	40	120	120	80				200
<i>Helicostomella</i> spp.								80
<i>Helicotheca tamesis</i>					40			
<i>Laboea</i> sp.		120		40				280
<i>Lauderia annulata</i>								40
<i>Leptocylindrus danicus</i>	400	120	160	400		280	120	
<i>Leptocylindrus minimus</i>			40	80		40		
<i>Mesodinium rubrum</i>	3360	2960	2600	360			600	3080
<i>Navicula distans</i>	40							
<i>Navicula transitans</i> var. <i>derasa</i>	40			40	40			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>							40	
<i>Odontella sinensis</i>			40		40			
Pennate diatom			160	160		120	80	40
<i>Pleurosigma strigosum</i>	40	80						

<b>5-Oct-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Prorocentrum micans</i>	320	360	80	40	80		640	3840
<i>Prorocentrum minimum</i>				120				
<i>Protoperidinium crassipes</i>								40
<i>Protoperidinium depressum</i>								120
<i>Protoperidinium oblongum</i>		40						
<i>Protoperidinium ovatum</i>							40	
<i>Protoperidinium</i> spp.		40			40	40	40	160
<i>Protoperidinium steinii</i>								40
<i>Pseudo-nitzschia americana</i>		120					40	160
<i>Pseudo-nitzschia delicatissima</i>		480				40		
<i>Pseudo-nitzschia fraudulenta</i>						40		
<i>Pseudo-nitzschia pseudodelicatissima</i>	280		360	160	80			
<i>Pseudo-nitzschia pungens</i>				40				
<i>Pseudo-nitzschia subpacific</i>	80							
<i>Scrippsiella trochoidea</i>								80
<i>Skeletonema costatum</i>	240	120						
<i>Thalassionema nitzschioides</i>	1000	1480	320	520	840	480		360
<i>Thalassiosira baltica</i>	400	40			120	40		
<i>Thalassiosira punctigera</i>		160	80		40		160	160
<i>Thalassiosira</i> sp. (tiny)			80					
<i>Thalassiosira</i> spp.		120	80	80		80	40	
Tintinnida	720	1040	1040	160		40	360	1200
<i>Tintinnopsis beroidea</i>	760	3720	160	360			360	600
<i>Tintinnopsis campanula</i>								80
Unarmoured dinoflagellate	40	40	40					80
<b>12-Oct-10</b>								
<i>Actinoptychus senarius</i>	80	160		40	160			
<i>Apedinella radians</i>								40
Armoured dinoflagellate	40	80	40		80			40
<i>Asterionellopsis glacialis</i>		40	80	40	40			
<i>Ceratium fusus</i>	40		80	80	40		40	
<i>Ceratium lineatum</i>	80		360	160	120		40	120
<i>Ceratium longipes</i>					40			80
<i>Ceratium tripos</i>			160	80			40	80
<i>Chaetoceros debilis</i>	40							
<i>Chaetoceros similis</i>	120	40					40	160
<i>Chaetoceros socialis</i>								40
<i>Chaetoceros</i> spp. (Hyalochaete)					40			
<i>Chaetoceros subtilis</i>							40	
Copepoda				40	40			
<i>Corethron hystrix</i>		80		40	80	40	80	40
<i>Coscinodiscus radiatus</i>			80		40			40
<i>Coscinodiscus</i> spp.				40				
<i>Coscinodiscus wailesii</i>								40
<i>Cylindrotheca closterium</i>	4520	1520	1280	400	360	240	360	280
<i>Dactyliosolen fragilissimus</i>			80					40
<i>Dictyocha speculum</i>	1360	440	720	360	120		680	5720
<i>Dictyocysta</i> sp.				40				
<i>Dinophysis acuminata</i>	40	40	160	40		40		280

12-Oct-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dinophysis fortii</i>				80				
<i>Dinophysis pulchella</i>								360
<i>Ditylum brightwellii</i>		40	40			120		
<i>Entomoneis</i> spp.				40				
<i>Eucampia zodiacus</i>	40						80	
<i>Guinardia delicatula</i>								40
<i>Guinardia striata</i>					40			
<i>Gyrodinium</i> spp.	80			40				120
<i>Helicostomella</i> spp.		40						200
<i>Laboea</i> sp.							40	
<i>Lauderia annulata</i>								40
<i>Leptocylindrus danicus</i>	400	680	2280	120	320	120	160	
<i>Leptocylindrus minimus</i>	40		40	240	40		40	
<i>Licmophora</i> spp.	40							
<i>Mesodinium rubrum</i>	4120	560	4280	80	160		1120	1880
<i>Navicula distans</i>				40		40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40		40					
<i>Odontella sinensis</i>	40					40		
<i>Paralia sulcata</i>				40				
Pennate diatom	40		120	80		120		40
<i>Pleurosigma strigosum</i>						80		
<i>Prorocentrum micans</i>	800		240	40	200	40	320	560
<i>Prorocentrum minimum</i>	40	40						120
<i>Protoperidinium</i> spp.								40
<i>Protoperidinium steinii</i>								80
<i>Pseudo-nitzschia americana</i>							40	
<i>Pseudo-nitzschia delicatissima</i>		80			80		80	
<i>Pseudo-nitzschia pseudodelicatissima</i>						40		40
<i>Pseudo-nitzschia seriata</i> group			40					
<i>Pseudo-nitzschia subpacific</i>				40		40		
<i>Rhizosolenia setigera</i>	40							40
<i>Scrippsiella trochoidea</i>	40							
<i>Skeletonema costatum</i>	80	240	200		40		40	40
<i>Thalassionema nitzschioides</i>	400	320	640	520	680	320	80	40
<i>Thalassiosira baltica</i>	120		40	120	120	80		
<i>Thalassiosira punctigera</i>	40			40	80	40	40	
<i>Thalassiosira</i> spp.				80	40			
Tintinnida	920	400	240	160	40	40	120	3560
<i>Tintinnopsis beroidea</i>	160		40	240		80		
<i>Tintinnopsis</i> spp.					40			
Unarmoured dinoflagellate	40							120
<b>19-Oct-10</b>								
<i>Actinoptychus senarius</i>	160	80		80	40			400
<i>Amphidinium carterae</i>	40							40
Armoured dinoflagellate	40	120			80			240
<i>Asterionellopsis glacialis</i>				40				
<i>Aulacoseira granulata</i>		40						
Centric diatom	80						80	80
<i>Ceratium fusus</i>				40				160

19-Oct-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Ceratium lineatum</i>	80	1600	40	200			40	680
<i>Ceratium longipes</i>								40
<i>Ceratium tripos</i>	40	40						160
<i>Chaetoceros debilis</i>		40						40
<i>Chaetoceros filiformis</i>		40						
<i>Chaetoceros similis</i>							40	
<i>Chaetoceros</i> spp. (Hyalochaete)		80						
Copepoda		40		40				40
<i>Corethron hystrix</i>	80			40	120		80	80
<i>Coscinodiscus radiatus</i>					40		40	
<i>Coscinodiscus</i> spp.							40	
<i>Cylindrotheca closterium</i>	400	840	1120	400	200	240	280	960
<i>Dactyliosolen fragilissimus</i>	80		40		40			
<i>Dictyocha fibula</i>			80					
<i>Dictyocha speculum</i>	80	400	80	80	80		600	920
<i>Dinophysis acuminata</i>	80		80	80		40		120
<i>Dinophysis fortii</i>			80					40
<i>Dinophysis norvegica</i>			40	40				
<i>Ditylum brightwellii</i>		120	80	80	80		40	
<i>Ebria tripartita</i>		40						
<i>Entomoneis</i> spp.						40		
<i>Gonyaulax spinifera</i>		40						
<i>Grammatophora marina</i>			40		200			
<i>Guinardia delicatula</i>						40		40
<i>Guinardia flaccida</i>								200
<i>Gyrodinium</i> spp.		160	80	240	40	40	40	120
<i>Heterocapsa triquetra</i>				40				
<i>Laboea</i> sp.							40	
<i>Lauderia annulata</i>								80
<i>Leptocylindrus danicus</i>	120	40				440	40	120
<i>Licmophora</i> spp.			160					40
<i>Melosira nummuloides</i>				40				
<i>Mesodinium rubrum</i>	880	960	920	560			240	480
<i>Navicula distans</i>	40				40			
<i>Navicula transitans</i> var. <i>derasa</i>			40	40				
<i>Odontella sinensis</i>				40				40
<i>Paralia sulcata</i>				40				
Pennate diatom		160	160	80				40
<i>Pleurosigma angulatum</i>				40	40			
<i>Pleurosigma strigosum</i>			80					
<i>Prorocentrum micans</i>	80	200		160	40		120	720
<i>Prorocentrum minimum</i>		40		80				
<i>Protoperidinium granii</i>								40
<i>Protoperidinium</i> spp.				80				
<i>Pseudo-nitzschia americana</i>								40
<i>Pseudo-nitzschia delicatissima</i>		40						
<i>Pseudo-nitzschia delicatissima</i> group	40		40					40
<i>Pseudo-nitzschia pseudodelicatissima</i>						40		
<i>Pseudo-nitzschia pungens</i>	80							

19-Oct-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Pseudo-nitzschia seriata</i> group						80		
<i>Pseudo-nitzschia subpacific</i>						40		
<i>Rhizosolenia setigera</i>							80	
<i>Skeletonema costatum</i>		40	40		40		40	
<i>Thalassionema nitzschioides</i>	120	280	280	320	240	200	400	
<i>Thalassiosira baltica</i>	80	40			120		40	160
<i>Thalassiosira punctigera</i>	40	40	40	40			200	360
<i>Thalassiosira</i> sp. (tiny)							40	
<i>Thalassiosira</i> spp.	120	40			40	40		160
Tintinnida	120	360	320	80	280		520	440
<i>Tintinnopsis beroidea</i>	40				40			
Unarmoured dinoflagellate		80	40		40		40	120
<b>26-Oct-10</b>								
<i>Actinopterychus senarius</i>		80		280	40	240		
<i>Alexandrium fundyense</i>								40
<i>Amphidinium carterae</i>	80		40	40			40	40
<i>Apedinella radians</i>			40					40
Armoured dinoflagellate	160		160	80	40			120
<i>Asterionellopsis glacialis</i>	40			40	40	40		
Centric diatom	40							
<i>Ceratium furca</i>								40
<i>Ceratium fusus</i>					40		40	160
<i>Ceratium lineatum</i>	40	160	40	80				600
<i>Ceratium longipes</i>	40							
<i>Ceratium tripos</i>								40
<i>Chaetoceros convolutus</i>					40			
<i>Chaetoceros similis</i>			40				40	
<i>Chaetoceros</i> spp. (Hyalochaete)			40	40				
<i>Commation cryoporinum</i>					40			
Copepoda				40				40
<i>Corethron hystrix</i>	40	40	80		80		40	40
<i>Coscinodiscus radiatus</i>								40
<i>Coscinodiscus</i> spp.		40			40			
<i>Cylindrotheca closterium</i>	240	1560	1320	800	880	200	760	1640
<i>Dictyocha fibula</i>		40		40				40
<i>Dictyocha speculum</i>	280	160	160		40	120	80	800
<i>Dinophysis acuminata</i>				120	40			200
<i>Dinophysis fortii</i>			80		40			
<i>Dinophysis norvegica</i>			40					
<i>Ditylum brightwellii</i>	80		80	80	240	40		40
<i>Entomoneis</i> spp.				40	80			
<i>Eutreptiella</i> sp.								40
<i>Gonyaulax spinifera</i>			40					
<i>Grammatophora marina</i>			120					
<i>Guinardia delicatula</i>			40					
<i>Guinardia flaccida</i>			40					240
<i>Gyrodinium</i> spp.	80	120	80	80	160		40	40
<i>Gyrosigma tenuissimum</i>					40			
<i>Helicotheca tamesis</i>				40				

26-Oct-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Heterocapsa triquetra</i>								40
<i>Laboea</i> sp.							40	
<i>Leptocylindrus danicus</i>	80	200	240	80	80		80	80
<i>Mesodinium rubrum</i>	2080	480	520	40		40	400	2720
<i>Navicula distans</i>				80		160		40
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				40				
<i>Paralia sulcata</i>		40				40		
Pennate diatom		120	120			80	40	
<i>Pleurosigma angulatum</i>						80		
<i>Pleurosigma strigosum</i>		120				80		
<i>Prorocentrum micans</i>	200	280	80	160	80		80	1240
<i>Prorocentrum minimum</i>		40	480	40	120			
<i>Protoperidinium bipes</i>		40						
<i>Pseudo-nitzschia delicatissima</i>				40				
<i>Pseudo-nitzschia delicatissima</i> group		40						40
<i>Pseudo-nitzschia pseudodelicatissima</i>			160		40	40		
<i>Pseudo-nitzschia pungens</i>						40		
<i>Scrippsiella trochoidea</i>	40	40						120
<i>Skeletonema costatum</i>	120	80	200				120	80
<i>Thalassionema nitzschioides</i>	120	120	40	320	160	120	160	160
<i>Thalassiosira baltica</i>	80	200	40	40	40	40	80	160
<i>Thalassiosira punctigera</i>	80	280		160	200	160		80
<i>Thalassiosira</i> sp. (tiny)					40			
<i>Thalassiosira</i> spp.	40	120	120	40	40		80	
Tintinnida	800	680	1600	160	360		280	2200
<i>Tintinnopsis beroidea</i>			120	40		40		
Unarmoured dinoflagellate	120	80	40		80		120	80
<b>16-Nov-10</b>								
<i>Actinopterychus senarius</i>							40	40
<i>Alexandrium fundyense</i>			40					
<i>Amphidinium carterae</i>	160	120	40	40				40
<i>Apedinella radians</i>								40
Armoured dinoflagellate	360	760	320	80				440
<i>Asterionellopsis glacialis</i>				40				40
<i>Biddulphia alternans</i>					40			
Centric diatom						40		
<i>Ceratium fusus</i>			80	40			40	
<i>Ceratium lineatum</i>	1920	4080	1680	40			120	360
<i>Ceratium tripos</i>		160			80			40
<i>Chaetoceros debilis</i>								40
<i>Chaetoceros similis</i>		40						40
<i>Chaetoceros</i> spp. (Hyalochaete)		40	40	120				
Copepoda	80		40					120
<i>Corethron hystrix</i>		40		40		40		80
<i>Cylindrotheca closterium</i>	1240	1160	1400	1520	240	560	920	1200
<i>Dictyocha fibula</i>	80							
<i>Dictyocha speculum</i>	80	200	80		40	80		
<i>Dinophysis acuminata</i>		80	40					40
<i>Dinophysis caudata</i>		40						

<b>16-Nov-10 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Dinophysis norvegica</i>			40					40
<i>Ditylum brightwellii</i>	400	320	280	280	40	40	40	
<i>Eutreptiella</i> sp.	80	80	40					80
<i>Gonyaulax spinifera</i>	40	40						
<i>Guinardia delicatula</i>				40		40		
<i>Guinardia flaccida</i>					40			
<i>Guinardia striata</i>	40							
<i>Gyrodinium aureolum</i>		40	120					
<i>Gyrodinium</i> spp.	200	520	400	80	40		40	160
<i>Gyrosigma tenuissimum</i>		40						
<i>Helicotheca tamesis</i>				40		80		
<i>Heterocapsa triquetra</i>	200	160	80					80
<i>Laboea</i> sp.	80	200	40				40	640
<i>Leptocylindrus minimus</i>	40							
<i>Mesodinium rubrum</i>	11040	10400	2440	40		40	720	8880
<i>Navicula distans</i>		80		40			120	
<i>Navicula transitans</i> var. <i>derasa</i>		40						
<i>Odontella sinensis</i>	40			40	120			
Pennate diatom	80		40				160	
<i>Pleurosigma strigosum</i>					40	40		
<i>Prorocentrum micans</i>	320	400	240	40			40	520
<i>Prorocentrum minimum</i>	40	240						80
<i>Protoperidinium bipes</i>								40
<i>Protoperidinium</i> spp.		40						
<i>Pseudo-nitzschia delicatissima</i>	40			160			80	
<i>Pseudo-nitzschia delicatissima</i> group			80					
<i>Pseudo-nitzschia pseudodelicatissima</i>						80		
<i>Rhizosolenia setigera</i>				40				120
<i>Skeletonema costatum</i>	120	80	120	80			40	80
<i>Thalassionema nitzschioides</i>	80	160	40	240	80	160	80	160
<i>Thalassiosira anguste-lineata</i>				120				
<i>Thalassiosira baltica</i>		120		120	80	80	40	
<i>Thalassiosira punctigera</i>	120	120		40	80		80	40
<i>Thalassiosira</i> spp.	120		40	200	40		80	40
Tintinnida	6600	7680	1200	80	120	40	600	5160
<i>Tintinnopsis beroidea</i>		240	240					
Unarmoured dinoflagellate	760	1400	800				160	560
<b>14-Dec-10</b>								
<i>Actinoptychus senarius</i>	80	360		200				80
<i>Amphidinium sphenoides</i>			40					
Armoured dinoflagellate		40	80					80
<i>Asterionellopsis glacialis</i>			40			40		
<i>Aulacoseira granulata</i>						40		
Centric diatom			40		40			
<i>Ceratium fusus</i>			40					
<i>Ceratium lineatum</i>	80	360	120					280
<i>Chaetoceros convolutus</i>								40
<i>Chaetoceros danicus</i>			40					
<i>Chaetoceros peruvianus</i>						40		



14-Dec-10 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Copepoda		40						
<i>Coscinodiscus radiatus</i>			40		40			
<i>Cylindrotheca closterium</i>	200	200	680	920	720	920	40	720
<i>Dinophysis fortii</i>		40						
<i>Dinophysis norvegica</i>				40				
<i>Ditylum brightwellii</i>	40	40	80	40	80		40	160
<i>Entomoneis</i> spp.					40			
<i>Eutreptiella</i> sp.								40
<i>Guinardia delicatula</i>			40					40
<i>Gyrodinium</i> spp.	40	160	40					40
<i>Gyrosigma tenuissimum</i>	40							
<i>Heterocapsa triquetra</i>								40
<i>Mesodinium rubrum</i>	1640	6800	2120	80	80	40	240	600
<i>Navicula distans</i>		40	80		40		40	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40		40					
<i>Odontella sinensis</i>	40			40	80	40		
<i>Paralia sulcata</i>		80						
Pennate diatom			120		80	40	40	
<i>Pleurosigma angulatum</i>			80	40				
<i>Prorocentrum micans</i>		40	40	40				40
<i>Pseudo-nitzschia delicatissima</i> group		40				80		40
<i>Pseudo-nitzschia pseudodelicatissima</i>					80			
<i>Skeletonema costatum</i>			40			40		
<i>Thalassionema nitzschioides</i>	40	40	120	120	200	200		40
<i>Thalassiosira baltica</i>			80					
<i>Thalassiosira gravida</i>		40						
<i>Thalassiosira punctigera</i>		80						40
<i>Thalassiosira</i> spp.			80		40			80
Tintinnida	560	1040	120		80	160	80	360
Unarmoured dinoflagellate								80
<b>18-Jan-11</b>								
<i>Actinopterychus senarius</i>	80							
<i>Amphidinium carterae</i>							40	40
Armoured dinoflagellate	40			40				40
<i>Asterionellopsis glacialis</i>	40		40					
Centric diatom				40				
<i>Ceratium lineatum</i>			40					
<i>Chaetoceros danicus</i>		40						
<i>Chaetoceros decipiens</i>						40		
<i>Chaetoceros similis</i>								40
<i>Chaetoceros</i> spp. (Hyalochaete)	40		40		80			40
<i>Corethron hystrix</i>		40		40			40	
<i>Coscinodiscus</i> spp.							40	
<i>Cylindrotheca closterium</i>	1080	1680	1080	360	800	1200	520	1200
<i>Dictyocha fibula</i>	40							
<i>Dictyocha speculum</i>	40							
<i>Dinophysis acuminata</i>						40		
<i>Ditylum brightwellii</i>	120	40	80	80	120		80	
<i>Entomoneis</i> spp.			40					

18-Jan-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Eutreptiella</i> sp.								40
<i>Gyrodinium</i> spp.				40				40
<i>Laboea</i> sp.								40
<i>Leptocylindrus minimus</i>				40				
<i>Mesodinium rubrum</i>	1000	40	160	120		120	240	600
<i>Miracanthodinium claytonii</i>		40						
<i>Navicula distans</i>		40				40		40
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40							
<i>Odontella sinensis</i>						40		
<i>Paralia sulcata</i>	40							
Pennate diatom	40		80	40	80		40	80
<i>Pleurosigma angulatum</i>	80		40					
<i>Pleurosigma strigosum</i>					80			
<i>Prorocentrum micans</i>				40				
<i>Pseudo-nitzschia delicatissima</i>	80	40			40	120		
<i>Pseudo-nitzschia pseudodelicatissima</i>				40				
<i>Rhizosolenia setigera</i>							40	
<i>Skeletonema costatum</i>		80		40				
<i>Thalassionema nitzschioides</i>	80	80	40	40	40	40		40
<i>Thalassiosira baltica</i>	40							
<i>Thalassiosira gravida</i>		120		40	80			
<i>Thalassiosira punctigera</i>			40	80	40			
<i>Thalassiosira</i> spp.		120				40		
Tintinnida	80				80	40	80	40
<i>Tintinnopsis beroidea</i>					40	40	40	40
Unarmoured dinoflagellate		40						40
<b>17-Feb-11</b>								
<i>Actinopterychus senarius</i>							40	
<i>Asterionellopsis glacialis</i>	40		40	40				
Centric diatom				40				
<i>Ceratium lineatum</i>			40					
<i>Chaetoceros</i> spp. (Hyalochaete)			40					80
<i>Commation cryoporinum</i>			40	40				80
<i>Corethron hystrix</i>		80		40		40		
<i>Cylindrotheca closterium</i>	400	720	720	960	1480	920	520	480
<i>Dictyocha speculum</i>	80	80						80
<i>Ditylum brightwellii</i>	80	80	120	40	80	40		40
<i>Eutreptiella</i> sp.	40		40				40	280
<i>Guinardia delicatula</i>				40				
<i>Gyrodinium</i> spp.			80	120	40	40		80
<i>Laboea</i> sp.				40				
<i>Leptocylindrus minimus</i>								40
<i>Mesodinium rubrum</i>	240	440	320	400	40		1920	4320
<i>Navicula distans</i>		160			160			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			40	40	80	80		
<i>Notholca</i> spp.		40						
<i>Odontella aurita</i>		40						
<i>Paralia sulcata</i>	40							
Pennate diatom	160	40	40	280	120	200	240	40

<b>17-Feb-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pleurosigma / Gyrosigma</i>	80							
<i>Pleurosigma angulatum</i>				40				
<i>Pleurosigma strigosum</i>						40		
<i>Prorocentrum micans</i>	40			40				
<i>Pseudo-nitzschia delicatissima</i>	40	200	120	80	80	120	40	
<i>Pseudo-nitzschia delicatissima</i> group								40
<i>Rhizosolenia setigera</i>	80							
<i>Skeletonema costatum</i>	160	40	160					200
<i>Thalassionema nitzschioides</i>		40			40	120	40	
<i>Thalassiosira baltica</i>	40			40	40			
<i>Thalassiosira bioculata</i>			40					
<i>Thalassiosira bioculata</i> var. <i>exigua</i>								40
<i>Thalassiosira nordenskiöldii</i>								40
<i>Thalassiosira punctigera</i>				40				
<i>Thalassiosira</i> spp.		80	40		80	40		
Tintinnida	120	80	40	240		40	80	360
Unarmoured dinoflagellate	40			80				320
<b>15-Mar-11</b>								
<i>Actinopterychus senarius</i>					40			
<i>Amphidinium carterae</i>			40					
Armoured dinoflagellate				80			80	
<i>Asterionellopsis glacialis</i>	40					40		
<i>Aulacoseira ambigua</i>		40						
<i>Chaetoceros</i> spp. (Hyalochaete)		40	40				40	160
<i>Commation cryoporinum</i>	40				40			
<i>Corethron hystrix</i>			40					
<i>Coscinodiscus</i> spp.					40			
<i>Cylindrotheca closterium</i>	880	320	200	440	560	1560	120	280
<i>Dictyocha speculum</i>	240	80	80			40	40	40
<i>Ditylum brightwellii</i>				40				
<i>Gonyaulax digitale</i>					40			
<i>Guinardia delicatula</i>	40					40		
<i>Gyrodinium</i> spp.	40	120	40	200			80	80
<i>Heterocapsa triquetra</i>	40							
<i>Leptocylindrus minimus</i>		40				40		
<i>Licmophora</i> spp.							40	
<i>Mesodinium rubrum</i>	680	760	280	200	320			320
<i>Navicula distans</i>	40	40	40		80	80		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40			40	80	160		
Pennate diatom	200		40	40	160	600	240	80
<i>Pleurosigma angulatum</i>						40		
<i>Pleurosigma strigosum</i>						40		
<i>Protoperidinium</i> spp.		40						
<i>Pseudo-nitzschia delicatissima</i>	40		120	120	80	160		
<i>Pseudo-nitzschia delicatissima</i> group		200						40
<i>Rhizosolenia setigera</i>	40	40			40	80		
<i>Skeletonema costatum</i>	440	160	120	80		240	120	40
<i>Thalassionema nitzschioides</i>					40			
<i>Thalassiosira baltica</i>			40			40		

15-Mar-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassiosira nordenskiöldii</i>						40		
<i>Thalassiosira punctigera</i>					40			
<i>Thalassiosira</i> spp.		40	40		40	120	40	
Tintinnida	200	80		80	40	120	80	440
Unarmoured dinoflagellate	160	120				80	160	120
<b>6-Apr-11</b>								
<i>Amphidinium carterae</i>								40
Armoured dinoflagellate		80	40					80
<i>Asterionella formosa</i>							120	
Centric diatom						40		
<i>Chaetoceros convolutus / concavicornis</i>			40					
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>				80		40		
<i>Chaetoceros danicus</i>		40	40					
<i>Chaetoceros debilis</i>								80
<i>Chaetoceros furcellatus</i>						40		
<i>Chaetoceros similis</i>							40	
<i>Chaetoceros socialis</i>								40
<i>Chaetoceros</i> spp. (Hyalochaete)				40				80
<i>Commation cryoporinum</i>								40
<i>Corethron hystrix</i>			40					
<i>Coscinodiscus radiatus</i>						40		
<i>Coscinodiscus</i> spp.			40					
<i>Cylindrotheca closterium</i>	560	200	1320	680	680	960	240	920
<i>Dictyocha speculum</i>		40	200	40	40	40		80
<i>Eutreptiella</i> sp.	40	80	40	120				240
<i>Gyrodinium</i> spp.		80	40	80	40			40
<i>Laboea</i> sp.				40				
<i>Leptocylindrus minimus</i>					40			
<i>Licmophora</i> spp.		40						
<i>Mesodinium rubrum</i>	360	520	120	480	80	40	320	2280
<i>Navicula distans</i>	40					40		40
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			80	80	80	160		40
<i>Odontella aurita</i>		40						
Pennate diatom		40	240	120	320	240	80	160
<i>Pleurosigma angulatum</i>							40	
<i>Pleurosigma strigosum</i>			40		40			
<i>Porosira glacialis</i>					40			
<i>Prorocentrum minimum</i>			40					
<i>Protoperidinium</i> spp.		40						
<i>Pseudo-nitzschia delicatissima</i>	80	280	240	240	240	200	120	280
<i>Rhizosolenia setigera</i>	40							
<i>Skeletonema costatum</i>	440	240	240	200	120	80	80	160
<i>Thalassionema nitzschioides</i>	40		40		40	40		
<i>Thalassiosira anguste-lineata</i>		40						80
<i>Thalassiosira bioculata</i> var. <i>exigua</i>					40			
<i>Thalassiosira nordenskiöldii</i>						40		
<i>Thalassiosira</i> spp.	40	120	160	200	160	80	40	80
Tintinnida	80	400	120	120	40	80	40	1680
<i>Tintinnopsis beroidea</i>				40				

<b>6-Apr-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
Unarmoured dinoflagellate	40		80	240				40
<b>12-Apr-11</b>								
<i>Alexandrium fundyense</i>		80					40	
<i>Alexandrium fundyense</i> (duplet)		40						
<i>Amphidinium carterae</i>	40							80
Armoured dinoflagellate		40					40	80
<i>Asterionellopsis glacialis</i>	40						40	
<i>Chaetoceros atlanticus</i>								40
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	40	40						
<i>Chaetoceros debilis</i>								80
<i>Chaetoceros decipiens</i>		40						
<i>Chaetoceros</i> spp. (Hyalochaete)		40					40	40
<i>Commation cryoporinum</i>								120
<i>Cylindrotheca closterium</i>	920	280					240	120
<i>Dictyocha speculum</i>	40							160
<i>Dinophysis acuminata</i>								40
<i>Ebria tripartita</i>	40							
<i>Entomoneis</i> spp.	40							
<i>Eutreptiella</i> sp.	120							1280
<i>Gyrodinium</i> spp.	120	80					40	280
<i>Heterocapsa triquetra</i>		40						
<i>Laboea</i> sp.	40							
<i>Leptocylindrus minimus</i>		40						40
<i>Licmophora</i> spp.							40	
<i>Mediopyxis helysia</i>	40							
<i>Meridion circulare</i>								40
<i>Mesodinium rubrum</i>	400						520	240
<i>Navicula distans</i>	40						40	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	80							
<i>Odontella aurita</i>							40	
<i>Paralia sulcata</i>							40	
Pennate diatom	80	160					40	80
<i>Pleurosigma strigosum</i>	40							
<i>Porosira glacialis</i>		40					40	
<i>Prorocentrum minimum</i>								320
<i>Pseudo-nitzschia delicatissima</i>	160	360						200
<i>Rhizosolenia setigera</i>							80	
<i>Skeletonema costatum</i>		520						
<i>Thalassiosira anguste-lineata</i>		40						
<i>Thalassiosira gravida</i>							40	
<i>Thalassiosira</i> spp.	80	120						80
Tintinnida	520	40					120	280
Unarmoured dinoflagellate	200							600
<b>15-Apr-11</b>								
<i>Alexandrium fundyense</i>			40		40			
<i>Amphidinium carterae</i>				40	40			
Armoured dinoflagellate			40		40			
<i>Asterionellopsis glacialis</i>				40				
<i>Ceratium</i> spp.			40					

15-Apr-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros convolutus / concavicornis</i>			80					
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>			40		40			
<i>Chaetoceros debilis</i>					40			
<i>Chaetoceros decipiens</i>			40					
<i>Chaetoceros filiformis</i>					40			
<i>Chaetoceros socialis</i>					40			
<i>Chaetoceros</i> spp. (Hyalochaete)			120	40	160	40		
<i>Commation cryoporinum</i>				40	40			
Copepoda					40			
<i>Corethron hystrix</i>			40					
<i>Cylindrotheca closterium</i>				480	1160	520		
<i>Dictyocha speculum</i>			40		80			
<i>Ditylum brightwellii</i>					40			
<i>Entomoneis</i> spp.				40		40		
<i>Eutreptiella</i> sp.				320	80	40		
<i>Gyrodinium</i> spp.			80	160	80	40		
<i>Gyrosigma fasciola</i>						40		
<i>Heterocapsa triquetra</i>			40					
<i>Laboea</i> sp.			80	40				
<i>Leptocylindrus minimus</i>			40		40			
<i>Mesodinium rubrum</i>			360	640	40	40		
<i>Navicula distans</i>				40				
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					40	40		
<i>Paralia sulcata</i>						40		
Pennate diatom			40	80	200	200		
<i>Pleurosigma strigosum</i>						80		
<i>Porosira glacialis</i>				80	40			
<i>Prorocentrum minimum</i>				80				
<i>Pseudo-nitzschia delicatissima</i>			520	440	760	120		
<i>Rhizosolenia setigera</i>				40				
<i>Skeletonema costatum</i>			560	440	120	80		
<i>Thalassionema nitzschioides</i>						40		
<i>Thalassiosira gravida</i>					40	40		
<i>Thalassiosira nordenskiöldii</i>				80	40			
<i>Thalassiosira</i> sp. (tiny)				80				
<i>Thalassiosira</i> spp.			200	280	320	160		
Tintinnida			680	880	80	80		
Unarmoured dinoflagellate			400	320	40			
<b>19-Apr-11</b>								
<i>Actinoptychus senarius</i>					80			
<i>Alexandrium fundyense</i>		80					80	40
Armoured dinoflagellate	40	40		40		40	80	80
<i>Asterionella formosa</i>							40	
<i>Asterionellopsis glacialis</i>					40			40
<i>Biddulphia alternans</i>							40	
<i>Chaetoceros contortus</i>				80				
<i>Chaetoceros convolutus</i>		40						
<i>Chaetoceros danicus</i>					40			
<i>Chaetoceros debilis</i>	40							40

19-Apr-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros decipiens</i>		40						40
<i>Chaetoceros similis</i>								40
<i>Chaetoceros socialis</i>			40					
<i>Chaetoceros</i> spp. (Hyalochaete)	40	40	80	80	80	80		80
<i>Corethron hystrix</i>				40				
<i>Coscinodiscus concinnus</i>							40	
<i>Coscinodiscus</i> spp.							80	
<i>Cylindrotheca closterium</i>	360		160	360	440	400	120	
<i>Dictyocha speculum</i>				40				40
<i>Ditylum brightwellii</i>					40			
<i>Eutreptiella</i> sp.		40	80					560
<i>Gyrodinium</i> spp.		240	80	40	120	40		40
<i>Laboea</i> sp.								40
<i>Licmophora</i> spp.		40						
<i>Mediopyxis helysia</i>		40				40		
<i>Melosira moniliformis</i>								40
<i>Mesodinium rubrum</i>	280	40	40	120		120	40	120
<i>Navicula distans</i>	40			40			80	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			40	40	120			
<i>Notholca</i> spp.	40							
<i>Odontella aurita</i>							40	
Pennate diatom	240	40	40		80		320	160
<i>Pleurosigma angulatum</i>						80		
<i>Pleurosigma strigosum</i>				40				
<i>Porosira glacialis</i>	40			160	120	40		
<i>Pseudo-nitzschia delicatissima</i>	160	200	160	80	200	160	80	120
<i>Rhizosolenia setigera</i>			40			40		
<i>Skeletonema costatum</i>	240		40		40	40	40	160
<i>Thalassionema nitzschioides</i>					40	120		
<i>Thalassiosira anguste-lineata</i>				40				
<i>Thalassiosira gravida</i>					40			
<i>Thalassiosira nordenskiöldii</i>				80				
<i>Thalassiosira</i> spp.	40	40	160	240	200	160	80	
Tintinnida	200	200	200			40	40	280
<i>Tintinnopsis beroidea</i>					40	40		
Unarmoured dinoflagellate	80	280	80	160				400
<b>26-Apr-11</b>								
<i>Alexandrium fundyense</i>		20	80		40		60	160
<i>Alexandrium fundyense</i> (duplet)							20	20
<i>Alexandrium ostenfeldii</i>		20						40
<i>Amphidinium carterae</i>						40		120
<i>Apedinella radians</i>								40
Armoured dinoflagellate	40	80	40	80	40		80	80
<i>Asterionella formosa</i>							80	40
<i>Asterionellopsis glacialis</i>		40		40				
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		40						
<i>Chaetoceros debilis</i>		20			80		40	
<i>Chaetoceros similis</i>	40		40					
<i>Chaetoceros socialis</i>				200	360			

<b>26-Apr-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Chaetoceros</i> spp. (Hyalochaete)	80	20	40	120	120	320		40
<i>Corethron hystrix</i>		20		40				
<i>Cylindrotheca closterium</i>	400	520	640	800	920	320		160
<i>Dictyocha speculum</i>		20				80		40
<i>Dinobryon</i> spp.								80
<i>Dinophysis norvegica</i>					40			
<i>Ditylum brightwellii</i>				80		40		
<i>Eutreptiella</i> sp.	80	220	360					1920
<i>Gyrodinium</i> spp.	120	60	80	40	80	80		
<i>Gyrosigma fasciola</i>						40		
<i>Laboea</i> sp.	80							80
<i>Leptocylindrus minimus</i>	40	40	40					
<i>Mediopyxis helysia</i>					40			
<i>Membraneis challengerii</i>					160	80		
<i>Mesodinium rubrum</i>	1560	440	2520	200	120	40	40	1080
<i>Navicula distans</i>	120	20					40	
<i>Navicula transitans</i> var. <i>derasa</i>		20						
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40			40	80	120		40
<i>Odontella aurita</i>				40			40	
Pennate diatom					40	320	440	80
<i>Phaeocystis pouchetii</i>								40
<i>Pleurosigma</i> / <i>Gyrosigma</i>		20						
<i>Pleurosigma strigosum</i>				40	80	40		
<i>Porosira glacialis</i>		60	120	160	640	480		
<i>Prorocentrum minimum</i>								280
<i>Protoperdinium brevipes</i>		20						
<i>Pseudo-nitzschia delicatissima</i>	280	580	320	440	240	560		
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>		20		40				
<i>Rhizosolenia setigera</i>								40
<i>Skeletonema costatum</i>	40	180	200	80	40		80	40
<i>Tabellaria</i> spp.							40	
<i>Thalassionema nitzschioides</i>		20		40	40	80		
<i>Thalassiosira anguste-lineata</i>		40			120			
<i>Thalassiosira baltica</i>						40		
<i>Thalassiosira gravida</i>		20		120	120			
<i>Thalassiosira nordenskiöldii</i>	40	40		640	360			
<i>Thalassiosira</i> sp. (tiny)							40	
<i>Thalassiosira</i> spp.	80	180	120	240	1040	1720	80	40
Tintinnida	2400	680	840	200	160	80	1120	3960
<i>Tintinnopsis beroidea</i>		60						
Unarmoured dinoflagellate	200	120	120	80		40	40	2280
<b>3-May-11</b>								
<i>Actinoptychus senarius</i>					80			
<i>Alexandrium fundyense</i>	320	1360	220	160	40			100
<i>Alexandrium fundyense</i> (duplet)	80	240		40				20
<i>Alexandrium fundyense</i> (quadruplet)		40						
<i>Alexandrium ostenfeldii</i>	40	80						
<i>Amphidinium carterae</i>								40
<i>Amphidinium sphenoides</i>						40		



3-May-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Apedinella radians</i>								40
Armoured dinoflagellate	80	320	280					40
<i>Asterionellopsis glacialis</i>			40		40	120		
<i>Brachionus</i> spp.			120					
Centric diatom						40		
<i>Ceratium longipes</i>	40	80						
<i>Chaetoceros contortus</i>			40					
<i>Chaetoceros convolutus</i>			40					
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>		40						
<i>Chaetoceros danicus</i>				40				
<i>Chaetoceros debilis</i>								40
<i>Chaetoceros decipiens</i>		40						
<i>Chaetoceros similis</i>	40							
<i>Chaetoceros socialis</i>						80		
<i>Chaetoceros</i> spp. (Hyalochaete)	120		40		80	120	40	40
<i>Commation cryoporinum</i>								40
<i>Corethron hystrix</i>					40		40	
<i>Cylindrotheca closterium</i>	80		400	280	520	120		80
<i>Dictyocha speculum</i>		40						
<i>Dinobryon</i> spp.	40						80	
<i>Dinophysis norvegica</i>		40						
<i>Eutreptiella</i> sp.	40		200					400
<i>Grammatophora marina</i>				40				
<i>Gyrodinium</i> spp.	360	200	160	80	40	160		
<i>Heterocapsa triquetra</i>		40	40					
<i>Laboea</i> sp.	40	40	120	80				80
<i>Leptocylindrus minimus</i>		40	40					
<i>Licmophora</i> spp.							40	
<i>Membraneis challengeri</i>					120			
<i>Mesodinium rubrum</i>	600	4520	8600	200	240	120	40	1960
<i>Navicula distans</i>	80			160	40	160		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			40	80	80			40
<i>Paralia sulcata</i>					40			
Pennate diatom	80		120	200	160	40	400	40
<i>Pleurosigma strigosum</i>						40		
<i>Porosira glacialis</i>	160		40	40	160	80		40
<i>Protoperidinium ovatum</i>								80
<i>Protoperidinium</i> spp.		40						
<i>Pseudo-nitzschia delicatissima</i>	200	240	560	480	200	80	80	200
<i>Scrippsiella</i> sp.		40						
<i>Skeletonema costatum</i>	200		800	80	80		160	80
<i>Thalassionema nitzschioides</i>						40		
<i>Thalassiosira baltica</i>						80		
<i>Thalassiosira gravida</i>			40		40	120		
<i>Thalassiosira nordenskiöldii</i>				40			40	
<i>Thalassiosira</i> sp. (tiny)							40	
<i>Thalassiosira</i> spp.	40		240	400	80	200	40	
Tintinnida	160	2000	8720	320	160	40	640	2160
<i>Tintinnopsis beroidea</i>					40			

<b>3-May-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
Unarmoured dinoflagellate	400	360	880	160	280		120	1040
<b>10-May-11</b>								
<i>Alexandrium fundyense</i>							40	
Armoured dinoflagellate							80	
<i>Asterionella formosa</i>							40	
<i>Chaetoceros filiformis</i>							40	
<i>Cylindrotheca closterium</i>							80	
<i>Dinobryon</i> spp.							40	
<i>Eutreptiella</i> sp.							80	
<i>Heterocapsa triquetra</i>							40	
<i>Laboea</i> sp.							40	
<i>Mesodinium rubrum</i>							80	
<i>Navicula distans</i>							80	
Pennate diatom							120	
<i>Pleurosigma / Gyrosigma</i>							40	
<i>Protoperidinium</i> spp.							40	
<i>Pseudo-nitzschia delicatissima</i>							40	
<i>Skeletonema costatum</i>							160	
<i>Thalassiosira</i> spp.							40	
Tintinnida							200	
Unarmoured dinoflagellate							120	
<b>17-May-11</b>								
<i>Alexandrium fundyense</i>	220	1000	260	80			20	20
<i>Alexandrium fundyense</i> (duplet)	20							
<i>Amphidinium carterae</i>		40						
<i>Amphidinium sphenoides</i>								40
<i>Apedinella radians</i>		80	40					120
Armoured dinoflagellate	80	440		40				160
<i>Asterionellopsis glacialis</i>				40				
<i>Aulacoseira ambigua</i>	40	40	40		40			
<i>Brachionus</i> spp.		40						
<i>Ceratium lineatum</i>		40						
<i>Ceratium longipes</i>		40						
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>			40					
<i>Chaetoceros decipiens</i>					40	40		
<i>Chaetoceros similis</i>			160					
<i>Commation cryoporinum</i>				40				40
Copepoda				40				
<i>Coscinodiscus radiatus</i>					40			
<i>Cylindrotheca closterium</i>	800	1120	960	680	360	560	360	480
<i>Dictyocha speculum</i>		40					40	40
<i>Dinophysis norvegica</i>				40				
<i>Eutreptiella</i> sp.	280	1120	1240	400	40		80	1720
<i>Gyrodinium</i> spp.			40		40	80		
<i>Heterocapsa triquetra</i>		200	80	80				40
<i>Laboea</i> sp.	320	400	80	640			120	80
<i>Leptocylindrus minimus</i>								40
<i>Mesodinium rubrum</i>	2720	6560	10520	2880	160	80	360	3280
<i>Navicula distans</i>	80			40	40	40		40

<b>17-May-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				40				
Pennate diatom	80	200	160		40		280	120
<i>Preperidinium meuneri</i>		40						
<i>Prorocentrum minimum</i>	40	240	200	120				40
<i>Protoperidinium brevipes</i>								40
<i>Protoperidinium depressum</i>	40							
<i>Protoperidinium</i> spp.	40		40					40
<i>Pseudo-nitzschia delicatissima</i>	280	240	120	80	120	80	40	160
<i>Scrippsiella</i> sp.		40	80					
<i>Skeletonema costatum</i>	120	40	80		40		40	40
<i>Tabellaria</i> spp.							40	
<i>Thalassionema nitzschioides</i>						80		
<i>Thalassiosira baltica</i>				40				
<i>Thalassiosira punctigera</i>	40							
<i>Thalassiosira</i> spp.		40	80		40			40
Tintinnida	280	1280	1840	1560	80		400	2000
<i>Tintinnopsis beroidea</i>		40		40	40			
Unarmoured dinoflagellate	240	480	240	160	40	40	280	760
<b>24-May-11</b>								
<i>Alexandrium fundyense</i>							20	
<i>Amphidinium sphenoides</i>								40
Armoured dinoflagellate							80	40
Centric diatom							40	
<i>Chaetoceros similis</i>							40	
<i>Chaetoceros</i> spp. (Hyalochaete)							40	
<i>Cylindrotheca closterium</i>							360	680
<i>Eutreptiella</i> sp.							200	1760
<i>Gyrodinium</i> spp.								40
<i>Laboea</i> sp.								40
<i>Mesodinium rubrum</i>							880	880
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>								40
Pennate diatom							40	
<i>Prorocentrum minimum</i>								40
<i>Pseudo-nitzschia delicatissima</i>							40	40
<i>Skeletonema costatum</i>								80
<i>Thalassionema nitzschioides</i>								40
Tintinnida							680	320
Unarmoured dinoflagellate							160	
<b>31-May-11</b>								
<i>Actinoptychus senarius</i>						120		
<i>Alexandrium fundyense</i>	960	340	80	40			340	600
<i>Alexandrium fundyense</i> (duplet)	200	20	20				40	40
<i>Alexandrium ostenfeldii</i>	40							
<i>Amphidinium carterae</i>		40						80
<i>Amphidinium sphenoides</i>				40				
<i>Amylax triacantha</i>	160							
<i>Apedinella radians</i>	1880	480	1880				360	200
Armoured dinoflagellate	440	440	160	40			80	800
<i>Aulacoseira ambigua</i>				40				40

<b>31-May-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Calliacantha</i> sp.							120	
<i>Ceratium lineatum</i>				40				
<i>Ceratium longipes</i>								80
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	80	40	80	40			200	560
<i>Chaetoceros decipiens</i>							40	80
<i>Chaetoceros filiformis</i>			40				1040	880
<i>Chaetoceros similis</i>	160	120	40				840	520
<i>Chaetoceros socialis</i>			40					
<i>Chaetoceros</i> spp. (Hyalochaete)	120	120	320	120			80	520
<i>Corethron hystrix</i>	40							
<i>Cylindrotheca closterium</i>	2240	1880	1600	560	760	360	960	2840
<i>Dictyocha speculum</i>	120	120	280				40	320
<i>Dinophysis norvegica</i>	40							
<i>Dinophysis pulchella</i>			40					
<i>Entomoneis</i> spp.		40						
<i>Eutreptiella</i> sp.	9840	480	1760	160			1760	4360
<i>Gyrodinium</i> spp.	80	40	80	40		40	40	1440
<i>Heterocapsa triquetra</i>	200	200					80	600
<i>Laboea</i> sp.		80					120	160
<i>Leptocylindrus minimus</i>	160		40				200	400
<i>Mediopyxis helysia</i>						40		
<i>Melosira moniliformis</i>							40	
<i>Mesodinium rubrum</i>	320	720	320	360	120	40	1000	2520
<i>Navicula distans</i>		40		40	40	120		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		40		80		40		
Pennate diatom	80	40	120		40	80	160	
<i>Pleurosigma</i> / <i>Gyrosigma</i>		40						
<i>Porosira glacialis</i>							40	
<i>Preperidinium meuneri</i>		40					40	
<i>Prorocentrum minimum</i>	1600	440	1120					2400
<i>Protoperidinium bipes</i>								160
<i>Protoperidinium ovatum</i>								40
<i>Protoperidinium</i> spp.		40						40
<i>Pseudo-nitzschia delicatissima</i>	320	320	480	80	120		760	2440
<i>Scrippsiella</i> sp.			200					80
<i>Scrippsiella trochoidea</i>		80					120	
<i>Skeletonema costatum</i>	240	240	560				840	240
<i>Thalassionema nitzschioides</i>	40			40	40			
<i>Thalassiosira baltica</i>								40
<i>Thalassiosira</i> sp. (tiny)							80	80
<i>Thalassiosira</i> spp.	40	160	40	80			200	240
Tintinnida	5960	240	360	240	80		1360	8160
<i>Tintinnopsis beroidea</i>						40		160
Unarmoured dinoflagellate	520	280		40	40	40	680	1520
<b>7-Jun-11</b>								
<i>Acanthostomella norvegica</i>			40					
<i>Alexandrium fundyense</i>	440	700	360	400			80	1020
<i>Alexandrium fundyense</i> (duplet)			40	40				120
<i>Amphidinium carterae</i>				40				

7-Jun-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Amphidinium sphenoides</i>		40	40					
<i>Apedinella radians</i>	360	1760	440					360
Armoured dinoflagellate	720	280	280	320		40		480
<i>Asterionellopsis glacialis</i>				120	40			160
<i>Aulacoseira ambigua</i>				80		80		40
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	200	320	120				40	240
<i>Chaetoceros debilis</i>				120				160
<i>Chaetoceros decipiens</i>			40	40				200
<i>Chaetoceros filiformis</i>	40			80	40	120	160	760
<i>Chaetoceros lacinosus</i>								80
<i>Chaetoceros similis</i>		200	120		40		240	3520
<i>Chaetoceros socialis</i>			120	40				
<i>Chaetoceros</i> spp. (Hyalochaete)	160	440	120	160	280	120	120	1160
<i>Chaetoceros subtilis</i>								200
<i>Commation cryoporinum</i>		80						40
Copepoda	40							40
<i>Cylindrotheca closterium</i>	1800	1320	1240	1760	3360	1080	1240	12040
<i>Dactyliosolen fragilissimus</i>								40
<i>Dictyocha speculum</i>	320	320	40	40	80			160
<i>Dinophysis acuminata</i>				40	40			
<i>Ditylum brightwellii</i>			40					
<i>Ebria tripartita</i>							40	
<i>Eutreptiella</i> sp.	5400	2760	2440	1960	200	40	40	560
<i>Gyrodinium</i> spp.	880	400	920	600	40			200
<i>Helicostomella</i> spp.								40
<i>Heterocapsa triquetra</i>	400	80	160	240				
<i>Laboea</i> sp.	40			600				560
<i>Leptocylindrus minimus</i>	40	200	80		40	40	120	400
<i>Licmophora</i> spp.		40						
<i>Mediopyxis helysia</i>					40			
<i>Meringosphaera mediterranea</i>								40
<i>Mesodinium rubrum</i>	1040	320	680	360		80	160	4600
<i>Navicula distans</i>						40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>						40		
<i>Odontella aurita</i>		40						
<i>Paralia sulcata</i>					40			
Pennate diatom		160		160	120			160
<i>Pleurosigma angulatum</i>							40	
<i>Porosira glacialis</i>					40			
<i>Preperidinium meuneri</i>	120							
<i>Prorocentrum minimum</i>	720	440	240	40		40	40	480
<i>Prorocentrum</i> sp. (small)			80					
<i>Proto-peridinium bipes</i>	40		160					
<i>Proto-peridinium conicum</i>					40			
<i>Pseudo-nitzschia delicatissima</i>	1320	880	800	2800	1560	1080	1080	8360
<i>Pseudo-nitzschia fraudulenta</i>		40						
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>			40					
<i>Scrippsiella</i> sp.	200		120					200
<i>Scrippsiella trochoidea</i>	40	720	80					

<b>7-Jun-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Skeletonema costatum</i>	80	400	560	80	240	160	1680	1640
<i>Thalassionema nitzschioides</i>						80		
<i>Thalassiosira baltica</i>				40	40			
<i>Thalassiosira nordenskioeldii</i>							40	
<i>Thalassiosira punctigera</i>								40
<i>Thalassiosira</i> sp. (tiny)								240
<i>Thalassiosira</i> spp.	200		40	280	80	40	80	480
Tintinnida	4800	41960	1240	5040	200	120	840	2040
<i>Tintinnopsis beroidea</i>			40	80		80		
Unarmoured dinoflagellate	1280	200	1040	280	40			480
<b>13-Jun-11</b>								
<i>Alexandrium fundyense</i>							640	580
<i>Alexandrium fundyense</i> (duplet)							60	80
<i>Apedinella radians</i>							1156	578
Armoured dinoflagellate							2312	1734
<i>Calliacantha</i> sp.							578	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>							4046	1156
<i>Chaetoceros debilis</i>							578	1734
<i>Chaetoceros decipiens</i>							2312	4624
<i>Chaetoceros diadema</i>							578	1156
<i>Chaetoceros filiformis</i>							17918	9826
<i>Chaetoceros lacinosus</i>							578	1734
<i>Chaetoceros radicans</i>							578	
<i>Chaetoceros similis</i>							12138	17340
<i>Chaetoceros</i> spp. (Hyalochaete)							26588	36414
<i>Chaetoceros subtilis</i>								578
<i>Cylindrotheca closterium</i>							25432	34102
<i>Entomoneis</i> spp.							578	
<i>Eutreptiella</i> sp.								578
<i>Guinardia delicatula</i>								1156
<i>Gyrodinium</i> spp.							1156	578
<i>Leptocylindrus minimus</i>							3468	578
<i>Mesodinium rubrum</i>							2312	2890
Pennate diatom							1156	
<i>Porosira glacialis</i>								578
<i>Protoperidinium bipes</i>							578	
<i>Protoperidinium</i> spp.								578
<i>Pseudo-nitzschia delicatissima</i>							142188	168776
<i>Scrippsiella</i> sp.								578
<i>Skeletonema costatum</i>							25432	27744
<i>Thalassiosira anguste-lineata</i>							578	578
<i>Thalassiosira nordenskioeldii</i>							578	
<i>Thalassiosira</i> sp. (tiny)							578	2312
<i>Thalassiosira</i> spp.							5202	8092
Tintinnida							12138	5780
Unarmoured dinoflagellate							1156	1734
<b>16-Jun-11</b>								
<i>Alexandrium fundyense</i>	1260	860	960	2448	160			
<i>Alexandrium fundyense</i> (duplet)	80	20	100	144				

16-Jun-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Alexandrium fundyense</i> (quadruplet)		20						
<i>Amphidinium sphenoides</i>					40			
<i>Apedinella radians</i>	40	80	200					
Armoured dinoflagellate	480	240	320	1872	120			
<i>Asterionellopsis glacialis</i>	80	80			280			
<i>Chaetoceros affinis</i>					40			
<i>Chaetoceros contortus</i>				144				
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	640	560	440	144				
<i>Chaetoceros debilis</i>	520	80		1296	720	40		
<i>Chaetoceros decipiens</i>	120		40	144	280			
<i>Chaetoceros diadema</i>	80	40		144	160	40		
<i>Chaetoceros filiformis</i>	200			432	320	40		
<i>Chaetoceros laciniosus</i>	40		80	144	240			
<i>Chaetoceros similis</i>	400	200	120		640	40		
<i>Chaetoceros socialis</i>	80		40					
<i>Chaetoceros</i> spp. (Hyalochaete)	280	240	200	1440	1480			
<i>Chaetoceros subtilis</i>		40			120			
<i>Commation cryoporinum</i>			120		40			
<i>Coscinodiscus radiatus</i>			40					
<i>Cylindrotheca closterium</i>	6040	2560	4680	9936	6360	880		
<i>Dactyliosolen fragilissimus</i>					40			
<i>Dictyocha speculum</i>	80	40	160	144	40			
<i>Entomoneis</i> spp.					160			
<i>Eutreptiella</i> sp.	240	40	680	1152	80			
<i>Guinardia delicatula</i>				144	40			
<i>Gyrodinium</i> spp.	560	600	1360	1872	120			
<i>Gyrosigma fasciola</i>					40			
<i>Helicostomella</i> spp.			80					
<i>Heterocapsa triquetra</i>		80		432				
<i>Laboea</i> sp.	480	120	440	3168				
<i>Leptocylindrus minimus</i>	400	160	40	144	80			
<i>Membraneis challengeri</i>	40		40				40	
<i>Meringosphaera mediterranea</i>			80					
<i>Mesodinium rubrum</i>	2560	1320	3120	4464	120			
<i>Navicula distans</i>	40	40			40	160		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				144	80			
Pennate diatom	80	80	160	288	160	40		
<i>Porosira glacialis</i>			40					
<i>Preperidinium meuneri</i>	120		120					
<i>Prorocentrum minimum</i>	40			288				
<i>Protoperidinium bipes</i>			80					
<i>Protoperidinium brevipes</i>					40			
<i>Protoperidinium ovatum</i>	40			144				
<i>Protoperidinium</i> spp.	40							
<i>Pseudo-nitzschia delicatissima</i>	5840	1880	5280	16704	19040	1920		
<i>Pseudo-nitzschia seriata</i>					40			
<i>Scrippsiella</i> sp.	240							
<i>Scrippsiella trochoidea</i>	280	1000	480					
<i>Skeletonema costatum</i>	320	240	240		1520	160		

16-Jun-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Thalassionema nitzschioides</i>				144	40			
<i>Thalassiosira baltica</i>	120		40	432				
<i>Thalassiosira bioculata</i> var. <i>exigua</i>			40					
<i>Thalassiosira gravida</i>						40		
<i>Thalassiosira nordenskiöldii</i>			40					
<i>Thalassiosira punctigera</i>					40			
<i>Thalassiosira</i> sp. (tiny)	80							
<i>Thalassiosira</i> spp.	680	160	560	2304	2480	160		
Tintinnida	5520	2840	2480	76874	560			
<i>Tintinnopsis beroidea</i>	80			432	120	40		
Unarmoured dinoflagellate	1000	840	1680	1152	240			
<b>21-Jun-11</b>								
<i>Acanthostomella norvegica</i>			40					
<i>Alexandrium fundyense</i>	1200	1200	1760	288		40	1000	2736
<i>Alexandrium fundyense</i> (duplet)	120	120	200				40	
<i>Alexandrium fundyense</i> (planozygote)							40	144
<i>Alexandrium fundyense</i> (quadruplet)							40	
<i>Alexandrium ostenfeldii</i>								144
<i>Amphidinium carterae</i>			40					
<i>Amphidinium sphenoides</i>				144				144
<i>Apedinella radians</i>			40	144				
Armoured dinoflagellate	760	520	1000	576			3468	4320
<i>Asterionellopsis glacialis</i>		40	80	432	40	280	1156	2160
<i>Brachionus</i> spp.		40						
<i>Ceratium longipes</i>		40						
<i>Chaetoceros contortus</i>					40	40		2016
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	320	360	440	288	120		1445	864
<i>Chaetoceros debilis</i>	280	120	360	720	480	40	5780	11088
<i>Chaetoceros decipiens</i>					40		289	720
<i>Chaetoceros diadema</i>	40			144	120	40		
<i>Chaetoceros filiformis</i>	40			144			1734	288
<i>Chaetoceros furcellatus</i>								144
<i>Chaetoceros lacinosus</i>	120	40	240		40		1445	1584
<i>Chaetoceros pseudobrevis</i>					40			
<i>Chaetoceros radicans</i>							289	
<i>Chaetoceros similis</i>	120	120	80	288	240		867	432
<i>Chaetoceros socialis</i>	280						1734	2880
<i>Chaetoceros</i> spp. (Hyalochaete)	360	240	200	1584	240	160	13583	11952
<i>Commation cryoporinum</i>					40			
Copepoda		80						
<i>Corethron hystrix</i>								144
<i>Cylindrotheca closterium</i>	6400	8520	7280	18720	5080	3440	19652	2592
<i>Dactyliosolen fragilissimus</i>	40		40					144
<i>Dictyocha speculum</i>	120	40	160	288				144
<i>Dinobryon</i> spp.			40					576
<i>Dinophysis acuminata</i>	40			144				
<i>Dinophysis norvegica</i>			120					
<i>Dinophysis pulchella</i>								288
<i>Ebria tripartita</i>			40					576



<b>21-Jun-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Entomoneis</i> spp.						40		
<i>Eutreptiella</i> sp.	160	280	960	720	160			
<i>Grammatophora marina</i>					40	40		
<i>Guinardia delicatula</i>							867	144
<i>Gyrodinium</i> spp.	160	280	1120	1584		40		1440
<i>Helicostomella</i> spp.	40							864
<i>Heterocapsa triquetra</i>	40	40	120					432
<i>Laboea</i> sp.		40	80	1296			289	144
<i>Leptocylindrus minimus</i>	360	40	160		200		2312	288
<i>Membraneis challengerii</i>								144
<i>Mesodinium rubrum</i>	560	760	1400	1584	80		4046	5040
<i>Navicula distans</i>	40				80		289	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				144				
Pennate diatom	40	120	80			80		
<i>Pleurosigma</i> / <i>Gyrosigma</i>		40						
<i>Pleurosigma angulatum</i>							289	
<i>Porosira glacialis</i>							289	
<i>Preperidinium meuneri</i>			80					432
<i>Prorocentrum minimum</i>	160		160	144			867	1728
<i>Prorocentrum</i> sp. (small)		240						
<i>Protoperidinium bipes</i>			160					288
<i>Protoperidinium brevipes</i>			40					
<i>Protoperidinium</i> spp.			40					144
<i>Pseudo-nitzschia delicatissima</i>	4280	8080	15840	52020	14400	3640	78608	211709
<i>Scrippsiella</i> sp.	40	120						2880
<i>Scrippsiella trochoidea</i>	440	160	720					720
<i>Skeletonema costatum</i>	280	320	480	288	480	240	14450	4752
<i>Thalassionema nitzschioides</i>			40		80			
<i>Thalassiosira anguste-lineata</i>						40	289	144
<i>Thalassiosira baltica</i>		80		144	80			
<i>Thalassiosira nordenskiöldii</i>			40	432			578	144
<i>Thalassiosira</i> sp. (tiny)	40		40				578	288
<i>Thalassiosira</i> spp.	880	480	1040	2880	560	240	11560	2880
Tintinnida	720	4960	4040	12816	200	400	2312	2160
<i>Tintinnopsis beroidea</i>		40		720				
Unarmoured dinoflagellate	720	720	2680	1440			2023	3168
<b>28-Jun-11</b>								
<i>Alexandrium fundyense</i>	8800	2720	320	200			1872	17520
<i>Alexandrium fundyense</i> (duplet)	640	280	40					160
<i>Alexandrium fundyense</i> (planozygote)		40					432	8080
<i>Alexandrium fundyense</i> (quadruplet)		40						
<i>Alexandrium fundyense</i> (triplet)	160							
<i>Amylax triacantha</i>				40				
<i>Apedinella radians</i>	400	80						80
Armoured dinoflagellate	4400	2520	1000	240	120		3468	8480
<i>Asterionellopsis glacialis</i>		80	240	1040	600	240	25721	2400
<i>Aulacoseira ambigua</i>							289	80
<i>Brachionus</i> spp.	240		40					80
<i>Chaetoceros contortus</i>	80		80	160	120		4913	10880

28-Jun-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	1520	520	240		80		867	80
<i>Chaetoceros debilis</i>	800	40	680	720	400	40	46240	2000
<i>Chaetoceros decipiens</i>							867	
<i>Chaetoceros filiformis</i>					80	40	289	
<i>Chaetoceros furcellatus</i>						40	289	
<i>Chaetoceros laciniosus</i>		40	40				2023	240
<i>Chaetoceros pseudobrevis</i>					120			
<i>Chaetoceros radicans</i>							578	80
<i>Chaetoceros similis</i>	320	80	40				578	
<i>Chaetoceros socialis</i>	80		40	80	160		27744	480
<i>Chaetoceros</i> spp. (Hyalochaete)	720	240	680	880	520	120	10693	8000
<i>Chaetoceros</i> spp. (Phaeoceros)				200				
<i>Chaetoceros subtilis</i>							289	
<i>Chrysochromulina parkeae</i>								80
<i>Corethron hystrix</i>		40	160					
<i>Coscinodiscus radiatus</i>		40						80
<i>Cylindrotheca closterium</i>	4480	4320	4480	5280	5040	2640	20808	80
<i>Dactyliosolen fragilissimus</i>		80						
<i>Dictyocha speculum</i>	960	160	520	160	40			160
<i>Dinobryon</i> spp.							289	480
<i>Dinophysis acuminata</i>		40	40	80				
<i>Dinophysis norvegica</i>			40					
<i>Ebria tripartita</i>		40						
<i>Entomoneis</i> spp.					120		289	
<i>Eutreptiella</i> sp.	400		1160	240	200			160
<i>Favella</i> spp.		40						160
<i>Guinardia delicatula</i>	80				200		867	240
<i>Gyrodinium</i> spp.	640	40	600	520	120			640
<i>Helicostomella</i> spp.	80		40				289	880
<i>Heterocapsa triquetra</i>	1680	1520	80		40		578	2480
<i>Laboea</i> sp.			240	40				240
<i>Leptocylindrus minimus</i>	560	280	240	200	40		2312	
<i>Membraneis challengerii</i>		40	40					
<i>Mesodinium rubrum</i>	2160	800	2160	480	120	40	3179	7760
<i>Navicula distans</i>				40		40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				40				
<i>Oxytoxum</i> spp.								160
Pennate diatom		120	80	80		40	1156	160
<i>Polykrikos</i> spp.								80
<i>Porosira glacialis</i>							289	
<i>Preperidinium meuneri</i>								320
<i>Prorocentrum minimum</i>	240	80	80					80
<i>Protooperidinium americanum</i>							289	
<i>Protooperidinium bipes</i>	320							
<i>Protooperidinium brevipes</i>								160
<i>Protooperidinium conicum</i>								240
<i>Protooperidinium</i> spp.		40	80	40	40		578	160
<i>Protooperidinium steinii</i>	80							80
<i>Pseudo-nitzschia delicatissima</i>	5760	6880	5440	4840	7360	1120	11560	640

<b>28-Jun-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia seriata</i>		40						
<i>Pseudo-nitzschia seriata</i> group							289	
<i>Scrippsiella</i> sp.			120				2023	12800
<i>Scrippsiella trochoidea</i>	2880	2120	80				867	1680
<i>Skeletonema costatum</i>	1280	3960	680	520	360	280	23120	4400
<i>Thalassionema nitzschioides</i>			40	120		120		
<i>Thalassiosira anguste-lineata</i>			40					
<i>Thalassiosira baltica</i>		80				40		
<i>Thalassiosira bioculata</i> var. <i>exigua</i>		40	80					
<i>Thalassiosira gravida</i>			40		80		867	
<i>Thalassiosira nordenskioeldii</i>	240			200			289	240
<i>Thalassiosira</i> sp. (tiny)	160			40				
<i>Thalassiosira</i> spp.	3520	2360	1360	2240	1440		867	240
Tintinnida	2080	1560	3320	2360	520		3757	3440
<i>Tintinnopsis beroidea</i>		40	240	120	80			
Unarmoured dinoflagellate	2080	440	2640	360	40	40	289	2400
<b>5-Jul-11</b>								
<i>Alexandrium fundyense</i>	2880	29767	3888	1156	144		144	
<i>Alexandrium fundyense</i> (duplet)	400	2601	144					
<i>Alexandrium fundyense</i> (planozygote)		867						
<i>Alexandrium fundyense</i> (triplet)	160	289	144					
<i>Apedinella radians</i>			289					
Armoured dinoflagellate	4640	37281	10404	1445	288		4464	1872
<i>Asterionellopsis glacialis</i>	2080	2601	3179	8670	4032	200	5616	4320
<i>Cerataulina pelagica</i>	80						144	
<i>Ceratium lineatum</i>			578					
<i>Ceratium longipes</i>					144			
<i>Ceratium</i> spp.								288
<i>Chaetoceros contortus</i>	2080	1445	1734	6358	1728	160	10224	11520
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	1360	3179	578	867	288		288	288
<i>Chaetoceros debilis</i>	1840	2023	2601	6647	1872		11376	7488
<i>Chaetoceros decipiens</i>	160	578	578	578			144	
<i>Chaetoceros furcellatus</i>								288
<i>Chaetoceros lacinosus</i>	240		578					288
<i>Chaetoceros pseudobrevis</i>					288			
<i>Chaetoceros radicans</i>	240				144	40		
<i>Chaetoceros similis</i>	80						864	
<i>Chaetoceros socialis</i>	1840	2023	4913	289	2448		3312	4176
<i>Chaetoceros</i> spp. (Hyalochaete)	7200	10982	8092	6069	1440	240	18720	20448
<i>Chaetoceros subtilis</i>		289						
<i>Commatium cryoporinum</i>					144			
<i>Corethron hystrix</i>	240						144	
<i>Cylindrotheca closterium</i>	8720	2312	4335	8959	18288	2280	8064	9072
<i>Dactyliosolen fragilissimus</i>	160	578	578	578			144	
<i>Dictyocha speculum</i>	160	578		578			288	144
<i>Dinophysis acuminata</i>				289				
<i>Dinophysis norvegica</i>								144
<i>Ebria tripartita</i>	80							
<i>Entomoneis</i> spp.	80		289	578			144	



12-Jul-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
Armoured dinoflagellate	12138	5280	22320	4913		867	867	8080
<i>Asterionellopsis glacialis</i>	6647	2480	720	8092	16184	7514	3468	
<i>Attheya</i> spp.								80
<i>Brachionus</i> spp.		80		289				
<i>Cerataulina pelagica</i>	289	80			289		289	560
<i>Ceratium longipes</i>				578				
<i>Chaetoceros contortus</i>	5780	1280	1728	14450	5202	6069	8092	4240
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	1156	480	432		578		289	160
<i>Chaetoceros danicus</i>								80
<i>Chaetoceros debilis</i>	578	240		578	289		1445	80
<i>Chaetoceros decipiens</i>			720					
<i>Chaetoceros filiformis</i>	867	160		289				
<i>Chaetoceros laciniosus</i>		80					289	
<i>Chaetoceros similis</i>	289						1156	80
<i>Chaetoceros socialis</i>	11271			2023	2890	1156	55777	29760
<i>Chaetoceros</i> spp. (Hyalochaete)	4335	3920	4320	9537	6358	5780	2601	2640
<i>Commation cryoporinum</i>								80
<i>Corethron hystrix</i>								80
<i>Coscinodiscus radiatus</i>							289	
<i>Cylindrotheca closterium</i>	13872	960	576	578	17051	17629	6647	720
<i>Dactyliosolen fragilissimus</i>	578	160	576			578	289	
<i>Dictyocha speculum</i>	289						578	320
<i>Dinobryon</i> spp.		320	1296					80
<i>Dinophysis norvegica</i>				289				
<i>Dinophysis pulchella</i>			144					
<i>Dinophysis</i> spp.		80	144					
<i>Ebria tripartita</i>		160						1200
<i>Entomoneis</i> spp.		80			2023	289		
<i>Eucampia groenlandica</i>	289						289	
<i>Eutreptiella</i> sp.	3179	480	4176	867			578	2080
<i>Guinardia delicatula</i>	2890	1760	864	2890	2601	5202	17340	13360
<i>Gyrodinium</i> spp.		560	288	2023	289	578	289	880
<i>Helicostomella</i> spp.	289	400		867				160
<i>Heterocapsa triquetra</i>	2023	4880	7200	3179			867	2960
<i>Laboea</i> sp.	289			3757			289	
<i>Leptocylindrus minimus</i>	4913	3520	864	2601	289	1445	5780	4320
<i>Mediopyxis helysia</i>					289			
<i>Membraneis challengeri</i>				289	289			
<i>Mesodinium rubrum</i>	11560	1360	7776	2023	578		4046	5040
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	289			289				
Pennate diatom	1156	400	144		289	867	578	400
<i>Polykrikos</i> spp.		240	144					160
<i>Porosira glacialis</i>						289		
<i>Prorocentrum minimum</i>	289	400		1156				240
<i>Protoperidinium conicum</i>		80						
<i>Protoperidinium</i> spp.	289	320	720	578				400
<i>Protoperidinium steinii</i>		80		289				
<i>Pseudo-nitzschia delicatissima</i>	2023	480	144	867	8381	28611	3468	160
<i>Pseudo-nitzschia pseudodelicatissima</i>			144					

<b>12-Jul-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Rhizosolenia setigera</i>								80
<i>Scrippsiella</i> sp.	7803	5040	12960	3757			578	6000
<i>Scrippsiella trochoidea</i>		480	7344	289				960
<i>Skeletonema costatum</i>	180336	258944	167042	167909	87567	65892	1156	
<i>Thalassionema nitzschioides</i>	289				578		289	
<i>Thalassiosira anguste-lineata</i>	289	160		578			289	
<i>Thalassiosira baltica</i>		80		289				
<i>Thalassiosira bioculata</i> var. <i>exigua</i>						289		
<i>Thalassiosira gravida</i>			288	578	1156	289	289	80
<i>Thalassiosira nordenskiöldii</i>	289							
<i>Thalassiosira punctigera</i>				578				
<i>Thalassiosira</i> sp. (tiny)	867	80	144	289		289		
<i>Thalassiosira</i> spp.	16473	2400	3024	37570	15895	13294	1156	320
Tintinnida	4624	3280	2016	8670	289	2312	2890	6400
<i>Tintinnopsis beroidea</i>				289				
Unarmoured dinoflagellate	1156	480	720	2312			1156	1440
<b>19-Jul-11</b>								
<i>Alexandrium fundyense</i>	5760	103462	6120	280	864			240
<i>Alexandrium fundyense</i> (duplet)	432	5491	360					
<i>Alexandrium fundyense</i> (fusing)		867	40					
<i>Alexandrium fundyense</i> (planozygote)	288	5202	160					40
<i>Alexandrium fundyense</i> (quadruplet)		578	40					
<i>Alexandrium fundyense</i> (triplet)		578	40					
<i>Alexandrium ostenfeldii</i>	144	289	40					
<i>Amphidinium carterae</i>			120	80				
<i>Amylax triacantha</i>			80					40
<i>Apedinella radians</i>	144	578	120				144	360
Armoured dinoflagellate	10944	199988	2120	520	864		288	2600
<i>Asterionellopsis glacialis</i>	144		40	280	1008	280	144	
Centric diatom			40					
<i>Cerataulina pelagica</i>	1584	578	680	480	1872		3456	840
<i>Ceratium lineatum</i>								40
<i>Ceratium longipes</i>	144	578	200	40	144			120
<i>Chaetoceros contortus</i>	1872	1445	160	520	1008	80		40
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	432		120	40	144			
<i>Chaetoceros debilis</i>	288	578	40	40	144		864	
<i>Chaetoceros decipiens</i>			40		288			
<i>Chaetoceros filiformis</i>	144							
<i>Chaetoceros laciniosus</i>	720		40	80				
<i>Chaetoceros radicans</i>	432	867	240	320	2448			40
<i>Chaetoceros similis</i>							1008	
<i>Chaetoceros socialis</i>	17424	3468	5920	1880	1584		34128	2640
<i>Chaetoceros</i> spp. (Hyalochaete)	3312	1156	1280	3680	3888	560	864	
<i>Chrysochromulina parkeae</i>								40
<i>Commation cryoporinum</i>					288			
Copepoda			160				288	
<i>Corethron hystrix</i>	144							40
<i>Coscinodiscus radiatus</i>				40	144			
<i>Cylindrotheca closterium</i>	8064	1734	1440	3120	21024	6040	5328	80

19-Jul-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Dactyliosolen fragilissimus</i>							288	40
<i>Dictyocha speculum</i>	1008	1445	600	440	2016		576	760
<i>Dinobryon</i> spp.	432		40					
<i>Dinophysis acuminata</i>	144	289	560	200	144			80
<i>Dinophysis norvegica</i>				40				
<i>Ebria tripartita</i>	288		720	320	144		2448	2240
<i>Entomoneis</i> spp.					1152	120	288	
<i>Eucampia groenlandica</i>		289						
<i>Eucampia zodiacus</i>	144							
<i>Eutreptiella</i> sp.	2160	2312	1240	480	576		1008	960
<i>Gonyaulax digitale</i>		289						
<i>Guinardia delicatula</i>	1296	289	1560	1800	2448	440	68544	7720
<i>Gyrodinium</i> spp.	864		640	520	432	200	288	40
<i>Helicostomella</i> spp.	1152		240					120
<i>Heterocapsa triquetra</i>	21312		3000	560	864		144	5040
<i>Laboea</i> sp.	576		360	440	864		144	
<i>Leptocylindrus danicus</i>				120				
<i>Leptocylindrus minimus</i>	864	289	160	480	720	160	2736	40
<i>Mediopyxis helysia</i>						40		
<i>Membraneis challengerii</i>			40	120		40		
<i>Mesodinium rubrum</i>	17136	867	1920	2160	2160		432	5200
<i>Navicula distans</i>	144			40	144	40		
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			40	40	288			
Pennate diatom		578	120		144	80	288	
<i>Polykrikos</i> spp.	288		80					80
<i>Prorocentrum micans</i>								40
<i>Prorocentrum minimum</i>	4464		1800	560	1296		432	1080
<i>Protoperidinium bipes</i>			80					40
<i>Protoperidinium brevipes</i>			160					
<i>Protoperidinium conicum</i>					144			
<i>Protoperidinium punctulatum</i>			120	80				
<i>Protoperidinium</i> spp.		289	200	120	864			
<i>Protoperidinium steinii</i>			80	80				
<i>Pseudo-nitzschia americana</i>							288	
<i>Pseudo-nitzschia delicatissima</i>			400	1120	4176	160	1440	40
<i>Pseudo-nitzschia pseudodelicatissima</i>	1152					1280		
<i>Pseudo-nitzschia pungens</i>				80				
<i>Pseudo-nitzschia seriata</i>								40
<i>Rhizosolenia setigera</i>				40				
<i>Scrippsiella</i> sp.	10224	397086	800					3120
<i>Scrippsiella trochoidea</i>	1008	74562	480					240
<i>Skeletonema costatum</i>	2016	3468	1080	520	4320	1040		
<i>Thalassionema nitzschioides</i>	288		40	80	432	240		
<i>Thalassiosira anguste-lineata</i>	144	289	40	40	432	40		40
<i>Thalassiosira baltica</i>			120	40	432			
<i>Thalassiosira gravida</i>	576		200	200	144	80	144	80
<i>Thalassiosira nordenskiöldii</i>		578	120	40				
<i>Thalassiosira</i> sp. (tiny)			40					
<i>Thalassiosira</i> spp.	2880	578	1400	4160	12528	1560	144	40

<b>19-Jul-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
Tintinnida	6048	1156	4360	6360	3600	160	1872	1400
<i>Tintinnopsis beroidea</i>	288		280	560	1008		288	
Unarmoured dinoflagellate	3024	2601	2520	720	1440	160	288	680
<b>26-Jul-11</b>								
<i>Alexandrium fundyense</i>	864	576	920	288				288
<i>Alexandrium fundyense</i> (duplet)			120	144				
<i>Alexandrium fundyense</i> (planozygote)			40					
<i>Alexandrium fundyense</i> (quadruplet)			40					
<i>Amphidinium carterae</i>				144				
<i>Apedinella radians</i>	289		1734					
Armoured dinoflagellate	19941	6936	17051	144	120		867	6358
<i>Asterionellopsis glacialis</i>				432	80	80	289	
<i>Attheya longicornis</i>							289	
<i>Aulacoseira ambigua</i>					40			
<i>Cerataulina pelagica</i>	16762	9826	6358	6768	160		117912	136986
<i>Ceratium longipes</i>			867	144				
<i>Chaetoceros affinis</i>				720				
<i>Chaetoceros contortus</i>	3179	9826	289	432			578	289
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	289		289	432	120			
<i>Chaetoceros danicus</i>				144	80			
<i>Chaetoceros debilis</i>	1156			144	40		1156	289
<i>Chaetoceros decipiens</i>	289			288				
<i>Chaetoceros didymus</i>	578		289				1156	
<i>Chaetoceros laciniosus</i>	1445	1156				40		289
<i>Chaetoceros lorenzianus</i>	289							
<i>Chaetoceros radicans</i>	6069	4046	5202	7488	320		289	
<i>Chaetoceros similis</i>							1445	867
<i>Chaetoceros socialis</i>	43061	6936	1734	1728			122536	27744
<i>Chaetoceros</i> spp. (Hyalochaete)	10115	71094	4335	6192	400		1156	2023
<i>Commation cryoporinum</i>			289		40	40		
Copepoda				144	80			
<i>Corethron hystrix</i>						40	289	289
<i>Coscinodiscus</i> spp.					40			
<i>Cylindrotheca closterium</i>	9248	5780	10115	21888	17520	7400	7514	2023
<i>Dactyliosolen fragilissimus</i>		578						
<i>Dictyocha speculum</i>	289		2890	144	40		1156	
<i>Dinophysis acuminata</i>	1156		289	144				
<i>Dinophysis fortii</i>		578						
<i>Ebria tripartita</i>	289		289				1734	3179
<i>Entomoneis</i> spp.				144	80	80		
<i>Eucampia zodiacus</i>		578						
<i>Eutreptiella</i> sp.	578	578	10693	1440			1156	1734
<i>Favella</i> spp.								289
<i>Gonyaulax alaskensis</i>								289
<i>Gonyaulax spinifera</i>			289					
<i>Guinardia delicatula</i>	578				40	40	867	
<i>Gyrodinium</i> spp.	289	3468	867	432	40			289
<i>Helicostomella</i> spp.	1734	578	289				1156	4624
<i>Heterocapsa triquetra</i>	158372	162996	76585	1008	40		289	32368



<b>26-Jul-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Laboea</i> sp.	289							
<i>Leptocylindrus minimus</i>		578	289		40		2601	578
<i>Mediopyxis helysia</i>						40		
<i>Membraneis challengerii</i>				144	40			
<i>Mesodinium rubrum</i>	38437	3468	5491	432		160	13294	22253
<i>Navicula distans</i>					40	80	289	
<i>Navicula transitans</i> var. <i>derasa</i>			578	288	40			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>				288				
Pennate diatom					1200	120		
<i>Polykrikos</i> spp.	1734	1156	578					
<i>Prorocentrum micans</i>			289					
<i>Prorocentrum minimum</i>	4624	2312	5780	576				
<i>Protoperidinium</i> spp.	289		289		120			
<i>Pseudo-nitzschia americana</i>							2023	
<i>Pseudo-nitzschia delicatissima</i>	2312	2890	4046		120		867	289
<i>Pseudo-nitzschia pseudodelicatissima</i>				7632	1320	720		
<i>Pseudo-nitzschia subpacific</i>						40		
<i>Rhizosolenia setigera</i>				144				
<i>Scrippsiella</i> sp.	24854	17918	18496					3468
<i>Scrippsiella trochoidea</i>	2601		578					289
<i>Skeletonema costatum</i>	10693	50286	2312	3168	40	520		
<i>Thalassionema nitzschioides</i>					200	280		289
<i>Thalassiosira baltica</i>				144		120		
<i>Thalassiosira gravida</i>	2023				40			
<i>Thalassiosira oestrupii</i>					40			
<i>Thalassiosira</i> sp. (tiny)					40			
<i>Thalassiosira</i> spp.	1734	5780		2448	40			
Tintinnida	15028	15028	34102	2592	200	120	1734	20230
<i>Tintinnopsis beroidea</i>	289			288	120		578	
Unarmoured dinoflagellate	3468	1734	6069				867	289
<b>2-Aug-11</b>								
<i>Alexandrium fundyense</i>				289				40
<i>Alexandrium fundyense</i> (cyst)								40
<i>Amphidinium sphenoides</i>			289					
<i>Apedinella radians</i>			289					
Armoured dinoflagellate	4624	7803	5780	1156	40		160	360
<i>Asterionellopsis glacialis</i>	867			867	40		80	80
<i>Attheya longicornis</i>							200	
Centric diatom						40		
<i>Cerataulina pelagica</i>	4624	1445	2601	1734	40		680	1040
<i>Ceratium horridum</i>								40
<i>Ceratium longipes</i>		289						40
<i>Ceratium tripos</i>								40
<i>Chaetoceros contortus</i>	867	1156	1734	867	160		80	80
<i>Chaetoceros debilis</i>	578	289	867	289			40	240
<i>Chaetoceros diadema</i>								40
<i>Chaetoceros didymus</i>		289		289	40		120	160
<i>Chaetoceros laciniosus</i>	289	2312	578	289				80
<i>Chaetoceros lorenzianus</i>	289							

2-Aug-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros pseudobrevis</i>				867				
<i>Chaetoceros radicans</i>	10693	3757	3757	1156	280	200	40	400
<i>Chaetoceros similis</i>	867			289	40		2320	40
<i>Chaetoceros socialis</i>	29478	3468	4335	4335			20360	25000
<i>Chaetoceros</i> spp. (Hyalochaete)	31790	114444	19941	24565	1160	400	400	1200
<i>Chaetoceros subtilis</i>		289						
<i>Commation cryoporinum</i>								40
Copepoda				289				
<i>Corethron hystrix</i>			289		40		40	40
<i>Cylindrotheca closterium</i>	24276	10693	13583	19363	14200	6480	3000	4880
<i>Dactyliosolen fragilissimus</i>			289				40	
<i>Dictyocha speculum</i>					40		400	800
<i>Dinobryon</i> spp.	578		289					
<i>Dinophysis acuminata</i>	289		289	289			40	80
<i>Dinophysis norvegica</i>								40
<i>Ditylum brightwellii</i>				289		40		
<i>Ebria tripartita</i>							280	
<i>Entomoneis</i> spp.						40		
<i>Eucampia zodiacus</i>		578						
<i>Eutreptiella</i> sp.	867	867	1445	578			200	120
<i>Guinardia delicatula</i>	289				40		200	40
<i>Gyrodinium</i> spp.	289	867	578					240
<i>Helicostomella</i> spp.	578	578					80	120
<i>Heterocapsa triquetra</i>	13583	25721	38726	7803			360	880
<i>Laboea</i> sp.			867					
<i>Lauderia annulata</i>								80
<i>Leptocylindrus minimus</i>	578	289	289	578	40		1960	120
<i>Mediopyxis helysia</i>					120			
<i>Membraneis challengerii</i>								80
<i>Mesodinium rubrum</i>	3179	16473	1445	578	280		3840	1720
<i>Navicula transitans</i> var. <i>derasa</i>	2023	867						120
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			289		40			
Pennate diatom	1445				160	40	480	40
<i>Pleurosigma angulatum</i>							40	
<i>Polykrikos</i> spp.							40	
<i>Prorocentrum minimum</i>		1156	1734				40	200
<i>Protoperidinium</i> spp.			289					
<i>Pseudo-nitzschia americana</i>							600	40
<i>Pseudo-nitzschia delicatissima</i>	2023	1445	2312		1080	120	200	480
<i>Pseudo-nitzschia pseudodelicatissima</i>				578				
<i>Pseudo-nitzschia pungens</i>								40
<i>Rhabdonema</i> spp.							40	
<i>Rhizosolenia setigera</i>						40		
<i>Scrippsiella</i> sp.	1734	18785	6936	289				280
<i>Scrippsiella trochoidea</i>	578	578	1445	578				
<i>Skeletonema costatum</i>	55777	142766	34391	48841	3040	1600	80	2720
<i>Thalassionema nitzschioides</i>				289	40	40		120
<i>Thalassiosira baltica</i>					80	40		
<i>Thalassiosira bioculata</i> var. <i>exigua</i>			289					

<b>2-Aug-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassiosira gravida</i>	867	1156	1445	1156	120		40	80
<i>Thalassiosira</i> sp. (tiny)	289				40			
<i>Thalassiosira</i> spp.	3468	6069	2023	4335	200	40	40	240
Tintinnida	4913	18496	14450	1445	80		800	680
<i>Tintinnopsis beroidea</i>	289				80		720	2600
Unarmoured dinoflagellate	867	3179	4913				40	320
<b>9-Aug-11</b>								
<i>Alexandrium fundyense</i>	288							
<i>Amphidinium carterae</i>	578			144				
<i>Amphidinium sphenoides</i>		289			40			
<i>Amylax triacantha</i>								289
<i>Apedinella radians</i>	3468	578						
Armoured dinoflagellate	16762	6936	6358	1440	40		440	2890
<i>Asterionellopsis glacialis</i>	578	289	578	144	120			289
<i>Brachionus</i> spp.			289					
Centric diatom						40		
<i>Cerataulina pelagica</i>	1734	867	2601	1008		40	240	1156
<i>Ceratium fusus</i>							40	
<i>Ceratium lineatum</i>	578						40	
<i>Ceratium longipes</i>		289					120	
<i>Ceratium tripos</i>							40	
<i>Chaetoceros contortus</i>		289	867	1008	40	40	160	
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>			578	288	40			
<i>Chaetoceros danicus</i>				288				
<i>Chaetoceros debilis</i>	578	578	1445	144				1156
<i>Chaetoceros decipiens</i>					40			
<i>Chaetoceros didymus</i>				288	40	40	320	2890
<i>Chaetoceros laciniosus</i>		289	289				40	
<i>Chaetoceros pseudobrevis</i>				288				
<i>Chaetoceros similis</i>						40	1960	2312
<i>Chaetoceros socialis</i>	2890	1156		432			2120	28033
<i>Chaetoceros</i> spp. (Hyalochaete)	4624	14450	6647	4608	400	40	400	289
<i>Commation cryoporinum</i>					120			
<i>Corethron hystrix</i>	578			144	40	40		
<i>Coscinodiscus wailesii</i>	578							
<i>Cylindrotheca closterium</i>	19074	10982	10115	19440	15040	6080	3160	3757
<i>Dactyliosolen fragilissimus</i>			289				160	
<i>Dictyocha speculum</i>	1156		578	288			1000	19941
<i>Dinobryon</i> spp.		289	289					
<i>Dinophysis acuminata</i>			578				200	1734
<i>Dinophysis norvegica</i>	578							289
<i>Dinophysis</i> spp.							40	
<i>Ditylum brightwellii</i>		289	578	144	40	40		
<i>Ebria tripartita</i>							680	2890
<i>Entomoneis</i> spp.					120		200	
<i>Eucampia</i> spp.				576				
<i>Eucampia zodiacus</i>							40	
<i>Eutintinnus</i> sp.			289					
<i>Eutreptiella</i> sp.	12138	2023	2023				80	1445

9-Aug-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Favella</i> spp.		289						
<i>Gonyaulax spinifera</i>	1156	578	289				40	
<i>Guinardia delicatula</i>	578					80	40	289
<i>Gyrodinium</i> spp.		289	867	1584	40			289
<i>Helicostomella</i> spp.		1156					120	1445
<i>Heterocapsa triquetra</i>	27744	18496	23409	144			600	3179
<i>Laboea</i> sp.	578		289					
<i>Leptocylindrus danicus</i>							40	
<i>Leptocylindrus minimus</i>	1156	1156	2312	1152		80	480	289
<i>Mediopyxis helysia</i>				144	40			
<i>Membraneis challengeri</i>		289						
<i>Mesodinium rubrum</i>	83810	2312	4913	1296	120	80	5520	40749
<i>Micracanthodinium claytonii</i>	578		578					
<i>Navicula distans</i>							40	
<i>Navicula transitans</i> var. <i>derasa</i>				432	40			
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	578		289					289
<i>Paralia sulcata</i>						40		
Pennate diatom	578			144	80		120	
<i>Pleurosigma</i> / <i>Gyrosigma</i>							40	
<i>Polykrikos</i> spp.		578	867				40	
<i>Prorocentrum micans</i>	578							
<i>Prorocentrum minimum</i>	2890		578				280	867
<i>Protoperidinium brevipes</i>		289						
<i>Protoperidinium</i> spp.	578						120	289
<i>Pseudo-nitzschia americana</i>	2312						80	289
<i>Pseudo-nitzschia delicatissima</i>		2312	4335				40	867
<i>Pseudo-nitzschia delicatissima</i> group		289						
<i>Pseudo-nitzschia pseudodelicatissima</i>	2890			2880	920	160		
<i>Pseudo-nitzschia pungens</i>							160	
<i>Pseudo-nitzschia seriata</i> group		289						
<i>Pseudo-nitzschia subpacific</i>						40		
<i>Rhizosolenia setigera</i>	578	289		144	40		80	
<i>Scrippsiella</i> sp.	14450	8092	4335					2023
<i>Scrippsiella trochoidea</i>	6358	289	3179				40	
<i>Skeletonema costatum</i>	57222	271660	112132	57888	4840	3440	360	578
<i>Thalassionema nitzschioides</i>				144	40	80	120	
<i>Thalassiosira anguste-lineata</i>		867	289	144	40			
<i>Thalassiosira baltica</i>					40	40		
<i>Thalassiosira bioculata</i> var. <i>exigua</i>	578							
<i>Thalassiosira gravida</i>	2890	10982	6358	2304	40	320	80	
<i>Thalassiosira nordenskiöldii</i>			578					
<i>Thalassiosira punctigera</i>							40	
<i>Thalassiosira</i> sp. (tiny)			289					
<i>Thalassiosira</i> spp.	9826	15606	15606	16848	1280	80	40	
Tintinnida	63580	6069	7225	576	320		1440	17051
<i>Tintinnopsis beroidea</i>		289			200	200	5200	11560
<i>Tintinnopsis campanula</i>							80	
<i>Tintinnopsis</i> spp.			289					
Unarmoured dinoflagellate	7514	5202	2890	576	80		160	867

16-Aug-11	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Actinoptychus senarius</i>						80		
<i>Amphidinium carterae</i>			289					144
<i>Amphidinium sphenoides</i>	144							144
<i>Apedinella radians</i>		288					40	
Armoured dinoflagellate	1872	3888	2601	1734	96	40	120	2736
<i>Asterionellopsis glacialis</i>	144	720	1156	578	288			
<i>Brachionus</i> spp.	144	144						
<i>Cerataulina pelagica</i>	864	1584	1156	578			560	6624
<i>Ceratium lineatum</i>		288					40	576
<i>Ceratium longipes</i>							40	
<i>Chaetoceros contortus</i>	144	288		1156				864
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	144	432						
<i>Chaetoceros danicus</i>	432	432			96	40		
<i>Chaetoceros debilis</i>	432	432	1156	1734			40	
<i>Chaetoceros decipiens</i>						40		
<i>Chaetoceros diadema</i>	144							
<i>Chaetoceros didymus</i>	576	144	289	1156			600	2016
<i>Chaetoceros filiformis</i>	144	1008	578	2312	96			
<i>Chaetoceros laciniosus</i>		288						
<i>Chaetoceros lorenzianus</i>	144							
<i>Chaetoceros pseudobrevis</i>	144			578		80		
<i>Chaetoceros radicans</i>	144	144		2312				
<i>Chaetoceros similis</i>	144	144	1156	578	96		5880	1152
<i>Chaetoceros socialis</i>		288	289				2360	36000
<i>Chaetoceros</i> spp. (Hyalochaete)	2736	3312	3468	2890	960	40	160	3600
<i>Chaetoceros subtilis</i>	144	288					40	
Copepoda	144	144					40	
<i>Corethron hystrix</i>		144	289		96			
<i>Cylindrotheca closterium</i>	5760	3600	8959	20808	12000	3520	3480	2016
<i>Dactyliosolen fragilissimus</i>						40		
<i>Dictyocha speculum</i>	144	288	289		192		560	15264
<i>Dinobryon</i> spp.		144						
<i>Dinophysis acuminata</i>			289	578			240	1440
<i>Dinophysis norvegica</i>								144
<i>Dinophysis rotundata</i>		144						
<i>Dinophysis</i> spp.							80	
<i>Ditylum brightwellii</i>	1008	288	867	2312	96	120		
<i>Ebria tripartita</i>							200	2880
<i>Entomoneis</i> spp.			578		96			
<i>Eucampia zodiacus</i>		144					80	432
<i>Eutintinnus</i> sp.	144	144	867	1156				
<i>Eutreptiella</i> sp.		144	1445					1008
<i>Favella</i> spp.	288							
<i>Fragilaria</i> spp.							40	
<i>Gonyaulax spinifera</i>	144		289					
<i>Guinardia delicatula</i>	288	144	289				80	
<i>Guinardia flaccida</i>							40	
<i>Gyrodinium</i> spp.	576	144	578	2890	288		80	288
<i>Helicostomella</i> spp.	864	288						288

<b>16-Aug-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Heterocapsa triquetra</i>	576	1728	4913	1156				1728
<i>Leptocylindrus mediterraneus</i>	144	144	289	578				
<i>Leptocylindrus minimus</i>	3168	2736	3179	6936	288	120	2440	1296
<i>Membraneis challengeri</i>			289	578				
<i>Mesodinium rubrum</i>	3312	8496	9248		96	80	2160	21888
<i>Miracanthodinium claytonii</i>			578					
<i>Navicula transitans</i> var. <i>derasa</i>					288			144
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	432		1156					
Pennate diatom	144	144	867	578	960	80		144
<i>Pleurosigma angulatum</i>							80	
<i>Polykrikos</i> spp.	288	144						
<i>Prorocentrum micans</i>								144
<i>Prorocentrum minimum</i>		288					40	1008
<i>Protoperidinium bipes</i>		144	289					
<i>Protoperidinium</i> spp.	144			578				432
<i>Pseudo-nitzschia americana</i>			289		96		200	576
<i>Pseudo-nitzschia delicatissima</i>			3468				40	144
<i>Pseudo-nitzschia pseudodelicatissima</i>	2880	5904		5780	1344	320		
<i>Pseudo-nitzschia pungens</i>	144			578			880	12384
<i>Pseudo-nitzschia seriata</i> group								144
<i>Pseudo-nitzschia subpacific</i>						40		
<i>Ptychocylis</i> spp.				578				
<i>Rhizosolenia setigera</i>	432	576	289			80	80	288
<i>Scrippsiella</i> sp.	720	144	5491	578			40	288
<i>Scrippsiella trochoidea</i>		432						
<i>Skeletonema costatum</i>	397086	514420	319634	355470	17568	7920	640	3024
<i>Thalassionema nitzschioides</i>	144	576	289		192	160	40	144
<i>Thalassiosira anguste-lineata</i>	144							
<i>Thalassiosira baltica</i>			289					
<i>Thalassiosira bioculata</i> var. <i>exigua</i>			289					
<i>Thalassiosira gravida</i>	5184	4464	9537	13294	1152	280	40	1008
<i>Thalassiosira</i> sp. (tiny)		288		2312				
<i>Thalassiosira</i> spp.	11664	15120	14161	42194	3072	80	40	432
Tintinnida	1440	4176	7803	2890	288		760	5184
<i>Tintinnopsis beroidea</i>	288	288		2890	480	200	1440	576
<i>Tintinnopsis</i> spp.	144	144						
Unarmoured dinoflagellate	720	2304	2601	1156			160	2160
<b>23-Aug-11</b>								
<i>Alexandrium pseudogonyaulax</i>		144						
<i>Amphidinium carterae</i>			40					
<i>Apedinella radians</i>		144	120					
Armoured dinoflagellate	3024	5616	1840	1156	160	40	578	2890
<i>Asterionellopsis glacialis</i>	864	864	120	289	120	160		
Centric diatom						40		
<i>Cerataulina pelagica</i>	288	144	80	867	160	40	2312	
<i>Ceratium lineatum</i>	144	144						
<i>Ceratium longipes</i>		144						
<i>Chaetoceros affinis</i>								5780
<i>Chaetoceros contortus</i>	144	288	80		40			578

23-Aug-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>	576	288	120	289				
<i>Chaetoceros danicus</i>	288		160					
<i>Chaetoceros debilis</i>	288	576	80	1445	40		289	289
<i>Chaetoceros didymus</i>	144		80	578	40		578	
<i>Chaetoceros filiformis</i>		288						
<i>Chaetoceros laciniosus</i>			120					
<i>Chaetoceros pseudobrevis</i>				289	120			
<i>Chaetoceros radicans</i>							578	
<i>Chaetoceros similis</i>	432	288	360	578			7514	289
<i>Chaetoceros socialis</i>	144		200		40		51731	7225
<i>Chaetoceros</i> spp. (Hyalochaete)	2592	2016	1360	1156	360	200	9248	38437
<i>Chaetoceros</i> spp. (Phaeoceros)					40			
<i>Chaetoceros subtilis</i>	288	144			40		578	
<i>Commatia cryoporinum</i>			40					
Copepoda		144						
<i>Corethron hystrix</i>	144		120	578	200	40	289	
<i>Coscinodiscus wailesii</i>							289	
<i>Cylindrotheca closterium</i>	7776	5040	6280	24854	7720	3680	5491	578
<i>Dactyliosolen fragilissimus</i>		144	40				1156	867
<i>Dictyocha speculum</i>			80	289				
<i>Dinobryon</i> spp.		144	160					
<i>Dinophysis acuminata</i>	288		240		40			5780
<i>Dinophysis norvegica</i>	144	144						
<i>Ditylum brightwellii</i>	1152	576	80	289	40	80	578	
<i>Ebria tripartita</i>			40		40		289	3757
<i>Eucampia</i> spp.			40					
<i>Eucampia zodiacus</i>					80			
<i>Eutreptiella</i> sp.			200	289				867
<i>Gonyaulax spinifera</i>	144	720	1280				289	2312
<i>Guinardia delicatula</i>	864	144		578	80		1734	
<i>Gyrodinium aureolum</i>	144							
<i>Gyrodinium</i> spp.	3024	864	2320	1734	280	120		578
<i>Helicostomella</i> spp.	144	144	1200					867
<i>Heterocapsa triquetra</i>	1296	1584	1440					1734
<i>Leptocylindrus danicus</i>				289				
<i>Leptocylindrus mediterraneus</i>			160					
<i>Leptocylindrus minimus</i>	12384	12672	5280	8959	520	160	13005	4913
<i>Mediopyxis helysia</i>	144							
<i>Mesodinium rubrum</i>	4752	3456	1600	1734		80	10404	67048
<i>Micracanthodinium claytonii</i>		144						
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>					40			
Pennate diatom	288	720		289	80		289	
<i>Pleurosigma strigosum</i>				289				
<i>Prorocentrum micans</i>		144						578
<i>Prorocentrum minimum</i>	144		120	289				289
<i>Protoperidinium bipes</i>			80					
<i>Protoperidinium punctulatum</i>	144							
<i>Protoperidinium</i> spp.	144	144						
<i>Pseudo-nitzschia americana</i>	288		40					

<b>23-Aug-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia fraudulenta</i>			40					
<i>Pseudo-nitzschia pseudodelicatissima</i>	3312	4320	1760	6358	960	560		
<i>Pseudo-nitzschia pungens</i>		144	120	1156	200	480	15317	32368
<i>Pseudo-nitzschia seriata</i>			40					
<i>Pseudo-nitzschia seriata</i> group		288	80					
<i>Pseudo-nitzschia subpacific</i>		144				40		
<i>Pseudo-nitzschia turgidula</i>	144							
<i>Rhabdonema</i> spp.	144							
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>								289
<i>Rhizosolenia imbricata</i>					40			
<i>Rhizosolenia setigera</i>	144		40		40	40	289	
<i>Scrippsiella</i> sp.	1728	3600	640					
<i>Scrippsiella trochoidea</i>		432	280	289			289	289
<i>Skeletonema costatum</i>	71961	204034	8560	91902	10880	5640		289
<i>Thalassionema nitzschioides</i>	432	144		578	400	200		
<i>Thalassiosira anguste-lineata</i>	144	288	40					
<i>Thalassiosira baltica</i>				289		80		
<i>Thalassiosira gravida</i>	4752	2160	2320	8092	2160	960	289	
<i>Thalassiosira punctigera</i>				289	40	40		
<i>Thalassiosira</i> sp. (tiny)	144				40			
<i>Thalassiosira</i> spp.	3024	4896	920	6358	1640	400		
Tintinnida	1728	2304	2520	2601	240	80	1734	10693
<i>Tintinnopsis beroidea</i>					160	200		
Unarmoured dinoflagellate	864	2160	320		200		289	2023
<b>30-Aug-11</b>								
<i>Actinoptychus senarius</i>					80	120		
<i>Alexandrium fundyense</i>		144						
<i>Amylax triacantha</i>								144
Armoured dinoflagellate	1440	6048	7056	680	40		144	1296
<i>Asterionellopsis glacialis</i>			144		40			
<i>Aulacoseira ambigua</i>					40			
<i>Brachionus</i> spp.				40				
<i>Cerataulina pelagica</i>	144			80	80		3312	432
<i>Ceratium lineatum</i>			288	40				1296
<i>Ceratium</i> spp.	144							
<i>Chaetoceros affinis</i>			144					144
<i>Chaetoceros convolutus</i> f. <i>trisetosa</i>				40				
<i>Chaetoceros danicus</i>		288	288		40			
<i>Chaetoceros debilis</i>	720		1296	480	600			144
<i>Chaetoceros didymus</i>				120	40			
<i>Chaetoceros lacinosus</i>			144					
<i>Chaetoceros lorenzianus</i>						80	144	
<i>Chaetoceros pseudobrevis</i>					40	120		
<i>Chaetoceros similis</i>	144	144	432	40	40		9504	1296
<i>Chaetoceros socialis</i>	1008		288	120		120	23472	32688
<i>Chaetoceros</i> spp. (Hyalochaete)	1296		3024	520	360	160	1008	1728
<i>Chaetoceros subtilis</i>							432	
Copepoda				80	40		144	
<i>Corethron hystrix</i>			144					



30-Aug-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Coscinodiscus radiatus</i>				40				
<i>Cylindrotheca closterium</i>	2592	432	2448	2360	2600	1960	3744	2448
<i>Dactyliosolen fragilissimus</i>			288				1584	288
<i>Dictyocha speculum</i>		144	144	160	40		288	1296
<i>Dinophysis acuminata</i>			288	40			288	576
<i>Ditylum brightwellii</i>	1008	144	720	120	120	120		576
<i>Ebria tripartita</i>					40		144	288
<i>Entomoneis</i> spp.					80	80		
<i>Eucampia zodiacus</i>						40	1008	
<i>Eutintinnus</i> sp.			144					
<i>Eutreptiella</i> sp.	144	1440	1584		40		432	288
<i>Gonyaulax spinifera</i>		432	720					576
<i>Guinardia delicatula</i>	1296	144	1584	240	240	160	3744	720
<i>Guinardia striata</i>	144		144	160				
<i>Gyrodinium</i> spp.	720	1296	1440	840	440		144	576
<i>Helicostomella</i> spp.			144					144
<i>Heterocapsa triquetra</i>	144	288	2160					720
<i>Lauderia annulata</i>							144	
<i>Leptocylindrus danicus</i>				120	40			
<i>Leptocylindrus minimus</i>	5904	3024	9936	1480	1520	480	11952	2592
<i>Licmophora</i> spp.							144	
<i>Mesodinium rubrum</i>	1872	16416	9504	640	320	160	2880	14400
<i>Navicula distans</i>						40		
<i>Navicula transitans</i> var. <i>derasa</i>					120		144	144
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			144	40				
<i>Odontella sinensis</i>	144							
<i>Paralia sulcata</i>		144						
Pennate diatom				160		160		
<i>Pleurosigma</i> / <i>Gyrosigma</i>				40				
<i>Pleurosigma strigosum</i>				40				
<i>Polykrikos</i> spp.			432					
<i>Prorocentrum minimum</i>			432	80				
<i>Protoperidinium bipes</i>			144	40				
<i>Protoperidinium punctulatum</i>								144
<i>Protoperidinium</i> spp.		144	432					144
<i>Pseudo-nitzschia americana</i>							432	144
<i>Pseudo-nitzschia fraudulenta</i>	576	144	288	120	40			144
<i>Pseudo-nitzschia pseudodelicatissima</i>	18720	5616	19728	8760	4920	1960		1296
<i>Pseudo-nitzschia pungens</i>	1008	288	1872	2040	920	1080	1584	3456
<i>Pseudo-nitzschia seriata</i>	288	144						
<i>Pseudo-nitzschia seriata</i> group			720					
<i>Pseudo-nitzschia subpacificia</i>		144	144	40	40	40		
<i>Pseudo-nitzschia turgidula</i>			144					
<i>Rhizosolenia setigera</i>	144			40	40		432	
<i>Scrippsiella</i> sp.		3888	3744	80				288
<i>Scrippsiella trochoidea</i>	144	1296	2448		80		144	
<i>Skeletonema costatum</i>	10224	2016	11952	3960	4240	6800		1728
<i>Thalassionema nitzschioides</i>	144		144	80	320	80		
<i>Thalassiosira anguste-lineata</i>	144			40				

<b>30-Aug-11(continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Thalassiosira baltica</i>						40		
<i>Thalassiosira gravida</i>	864	144	720	160	40	240		
<i>Thalassiosira punctigera</i>				40				
<i>Thalassiosira</i> spp.	1008		4032	960	520	240		
Tintinnida	288	3744	2016	600	160	40	432	1440
<i>Tintinnopsis beroidea</i>					40	240		
<i>Tintinnopsis</i> spp.			144					
Unarmoured dinoflagellate	432	1872	3024	120	120		288	864
<b>6-Sep-11</b>								
<i>Actinoptychus senarius</i>				80	80	40		
<i>Amphidinium sphenoides</i>			864					
<i>Apedinella radians</i>		578	288					
Armoured dinoflagellate	2400	34969	6624	320			280	1152
<i>Asterionellopsis glacialis</i>						40		
<i>Brachionus</i> spp.		578		40				
Centric diatom						40		
<i>Cerataulina pelagica</i>		289	144	40			280	
<i>Ceratium fusus</i>							40	432
<i>Ceratium lineatum</i>	320	3757	864	80			120	3168
<i>Ceratium longipes</i>							120	288
<i>Ceratium minutum</i>				80				
<i>Ceratium tripos</i>								288
<i>Chaetoceros debilis</i>	80	578	1152	80	40	40		
<i>Chaetoceros decipiens</i>						40		144
<i>Chaetoceros lorenzianus</i>	40	289						
<i>Chaetoceros pseudobrevis</i>					40			
<i>Chaetoceros similis</i>	40				80		1040	144
<i>Chaetoceros socialis</i>	760						35560	94792
<i>Chaetoceros</i> spp. (Hyalochaete)	400	289	144	80	280		40	
<i>Commation cryoporinum</i>			144				40	
Copepoda							40	288
<i>Corethron hystrix</i>			144	80	40	40		
<i>Coscinodiscus wailesii</i>								144
<i>Cylindrotheca closterium</i>	1440	578	2160	560	2040	960	920	
<i>Dactyliosolen fragilissimus</i>	40			160			320	144
<i>Dictyocha speculum</i>	160	289	288	160			440	3744
<i>Dinophysis acuminata</i>	80	578	288	40			40	6480
<i>Dinophysis rotundata</i>		289	144					
<i>Ditylum brightwellii</i>	40			120	40	40		
<i>Ebria tripartita</i>	280	867					400	9216
<i>Entomoneis</i> spp.						40		
<i>Eutreptiella</i> sp.	2720	22542	9504	200			280	2448
<i>Favella</i> spp.		578						
<i>Gonyaulax digitale</i>		289						
<i>Gonyaulax spinifera</i>	200	578						144
<i>Guinardia delicatula</i>	200	289	576	160	240	120	1600	720
<i>Guinardia flaccida</i>							120	
<i>Gyrodinium</i> spp.	200	2023	2016	240	200		40	144
<i>Helicostomella</i> spp.	40	578						

<b>6-Sep-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Heterocapsa triquetra</i>	1040	41616	5040	240			40	288
<i>Laboea</i> sp.			144	80				144
<i>Leptocylindrus danicus</i>					40		40	432
<i>Leptocylindrus mediterraneus</i>			144					
<i>Leptocylindrus minimus</i>	840		576	560	560	280	1800	288
<i>Mesodinium rubrum</i>	9000	151436	18432	200	40		2720	20016
<i>Navicula transitans</i> var. <i>derasa</i>			144					
Pennate diatom					240	40	40	
<i>Preperidinium meuneri</i>								144
<i>Prorocentrum micans</i>	40							144
<i>Prorocentrum minimum</i>		289		80				
<i>Protoperidinium bipes</i>			432		40			
<i>Protoperidinium brevipes</i>			144					
<i>Protoperidinium punctulatum</i>				40				
<i>Protoperidinium</i> spp.	80	1156	288	80				288
<i>Pseudo-nitzschia americana</i>	40						480	
<i>Pseudo-nitzschia delicatissima</i>	240			800				
<i>Pseudo-nitzschia fraudulenta</i>			144	40	40	80		
<i>Pseudo-nitzschia pseudodelicatissima</i>			144		1480	1680	280	
<i>Pseudo-nitzschia pungens</i>	440	1156	1008	1320	240	120	80	
<i>Pseudo-nitzschia seriata</i> group			720	80				
<i>Pseudo-nitzschia subpacific</i>					80			
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>							80	144
<i>Rhizosolenia setigera</i>	80	289		40			120	
<i>Scrippsiella</i> sp.	360	4624	2160	80				
<i>Scrippsiella trochoidea</i>		3468					40	432
<i>Skeletonema costatum</i>	360	289		40	200	240	120	
<i>Thalassionema nitzschioides</i>	40				120	80		
<i>Thalassiosira gravida</i>					120	160	40	
<i>Thalassiosira punctigera</i>						80		
<i>Thalassiosira</i> spp.	40		144	40	160	40		
Tintinnida	1960	9248	15408	120	40	200	800	6192
<i>Tintinnopsis</i> spp.				40				
Unarmoured dinoflagellate	680	4335	2016	120	80		80	720
<b>13-Sep-11</b>								
<i>Actinoptychus senarius</i>			160		120	600		
<i>Alexandrium fundyense</i>		200		40				
<i>Alexandrium fundyense</i> (duplet)		40						
<i>Amphidinium carterae</i>				40				
<i>Amphidinium sphenoides</i>	120	40	480	160	40			80
<i>Apedinella radians</i>	40		40					40
Armoured dinoflagellate	1440	5960	2040	200		80		360
<i>Asterionellopsis glacialis</i>					40			
<i>Brachionus</i> spp.	40	160	40					
<i>Cerataulina pelagica</i>	40	40					80	
<i>Ceratium lineatum</i>	1560	1160	1520					560
<i>Ceratium longipes</i>	40		40					40
<i>Chaetoceros debilis</i>		40	80	80	40			
<i>Chaetoceros decipiens</i>			40			40		

13-Sep-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros similis</i>		40					400	160
<i>Chaetoceros socialis</i>	40	120		680			920	22560
<i>Chaetoceros</i> spp. (Hyalochaete)	400	40		40		40	360	
<i>Chaetoceros subtilis</i>					40			
<i>Commation cryoporinum</i>					40			
Copepoda	40				40			
<i>Corethron hystrix</i>				40	80	120		
<i>Coscinodiscus radiatus</i>				40				
<i>Coscinodiscus</i> spp.	80	40						
<i>Coscinodiscus waiilesii</i>	40							80
<i>Cylindrotheca closterium</i>	1600	360	680	680	800	880	160	200
<i>Dactyliosolen fragilissimus</i>							40	80
<i>Dictyocha speculum</i>	200	40	200	40		40	80	1120
<i>Dinophysis acuminata</i>	40	40	280					960
<i>Dinophysis norvegica</i>	120		40					
<i>Ditylum brightwellii</i>						40		
<i>Ebria tripartita</i>			160				120	7120
<i>Entomoneis</i> spp.				40				
<i>Eutreptiella</i> sp.	4520	6160	12040	760		40		2520
<i>Guinardia delicatula</i>	40	80	40	40		120	880	1160
<i>Guinardia flaccida</i>								80
<i>Guinardia striata</i>				40				
<i>Gyrodinium aureolum</i>		200	40					
<i>Gyrodinium</i> spp.	360	320	240	160	280			280
<i>Helicostomella</i> spp.								40
<i>Heterocapsa triquetra</i>	320	680	960					
<i>Laboea</i> sp.	80							
<i>Leptocylindrus danicus</i>								40
<i>Leptocylindrus mediterraneus</i>			80	40				
<i>Leptocylindrus minimus</i>	160	80	40	80	40	40	40	200
<i>Mesodinium rubrum</i>	3600	4760	3480	80		160	600	3280
<i>Micracanthodinium claytonii</i>				40				
<i>Navicula transitans</i> var. <i>derasa</i>	120		40	40				80
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		40		40				120
<i>Odontella sinensis</i>				120		40		
<i>Paralia sulcata</i>	40							
Pennate diatom	120			80	40	80		320
<i>Pleurosigma</i> / <i>Gyrosigma</i>	40							
<i>Pleurosigma angulatum</i>						40	40	
<i>Prorocentrum micans</i>			40					40
<i>Prorocentrum minimum</i>								40
<i>Protoberidinium bipes</i>			80					
<i>Protoberidinium brevipes</i>	40							
<i>Protoberidinium conicum</i>			40					
<i>Protoberidinium</i> spp.	80		80					40
<i>Protoberidinium steinii</i>			40					
<i>Pseudo-nitzschia americana</i>							120	240
<i>Pseudo-nitzschia delicatissima</i>	240							
<i>Pseudo-nitzschia pseudodelicatissima</i>		40		440	840	840		40

13-Sep-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Pseudo-nitzschia pungens</i>	40	40		120	120	520	40	
<i>Pseudo-nitzschia subpacific</i>					80			
<i>Pseudo-nitzschia turgidula</i>				40				
<i>Rhizosolenia imbricata</i>	40							
<i>Rhizosolenia setigera</i>		40					80	80
<i>Scrippsiella</i> sp.	80	280	240					160
<i>Scrippsiella trochoidea</i>	40	160						
<i>Skeletonema costatum</i>	520	80			40	160		
<i>Thalassionema nitzschioides</i>	80			80	40	200		40
<i>Thalassiosira baltica</i>						40		
<i>Thalassiosira gravida</i>			120		40			
<i>Thalassiosira punctigera</i>				40				
<i>Thalassiosira</i> spp.						40		
Tintinnida	2160	2000	1960	400	160	40	160	4160
<i>Tintinnopsis beroidea</i>							80	200
<i>Tintinnopsis</i> spp.								40
Unarmoured dinoflagellate	520	640	480		80	40		400
<b>20-Sep-11</b>								
<i>Actinoptychus senarius</i>	120				320			
<i>Alexandrium fundyense</i>		80	40					
<i>Alexandrium fundyense</i> (duplet)		40						
<i>Amphidinium carterae</i>	40		120					80
<i>Amphidinium sphenoides</i>		120	480	240				40
<i>Apedinella radians</i>	40	40	560					
Armoured dinoflagellate	160	1640	1720	640				120
<i>Biddulphia alternans</i>						40		
<i>Cerataulina pelagica</i>			200		40			
<i>Ceratium fusus</i>			80					
<i>Ceratium lineatum</i>	320	1880	2680	360				120
<i>Chaetoceros debilis</i>		280	200	120		40		
<i>Chaetoceros similis</i>							200	40
<i>Chaetoceros socialis</i>	40	40	40				200	
<i>Chaetoceros</i> spp. (Hyalochaete)			440		40		40	
<i>Commatia cryoporinum</i>					40			
Copepoda	40							40
<i>Corethron hystrix</i>					40			
<i>Coscinodiscus radiatus</i>		40	40					
<i>Coscinodiscus wailesii</i>		80	80					
<i>Cyclotella</i> spp.							40	
<i>Cylindrotheca closterium</i>	440	520	1120	680	640	360		
<i>Dictyocha speculum</i>	80	480	400	360			120	1080
<i>Dinophysis acuminata</i>		80	40	120				80
<i>Dinophysis norvegica</i>				40				
<i>Ditylum brightwellii</i>		40	40		40	40		
<i>Ebria tripartita</i>	40	40	120	360			200	2480
<i>Eutreptiella</i> sp.	2840	19560	16240	5880	80		80	600
<i>Guinardia delicatula</i>	40	80	200	40	80	40	200	360
<i>Guinardia flaccida</i>					80			
<i>Gyrodinium aureolum</i>	40		40					

20-Sep-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Gyrodinium</i> spp.		40	120	240		40	40	40
<i>Gyrosigma littorale</i>		40						
<i>Heterocapsa triquetra</i>		40						
<i>Laboea</i> sp.	80	160		40				
<i>Leptocylindrus danicus</i>			80	80				
<i>Leptocylindrus mediterraneus</i>			160					
<i>Leptocylindrus minimus</i>		320	160				80	
<i>Licmophora</i> spp.	40	40						
<i>Mesodinium rubrum</i>	1360	25760	5880	520		160	120	5120
<i>Miracanthodinium claytonii</i>				40				
<i>Navicula distans</i>						40		
<i>Navicula transitans</i> var. <i>derasa</i>			40	80				
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			40					
<i>Odontella sinensis</i>						40		
Pennate diatom				40	80	80		
<i>Pleurosigma strigosum</i>				40	40			
<i>Prorocentrum micans</i>		40	120					40
<i>Prorocentrum minimum</i>		200	80	80				
<i>Pseudo-nitzschia americana</i>	40	40					200	40
<i>Pseudo-nitzschia fraudulenta</i>				40				
<i>Pseudo-nitzschia pseudodelicatissima</i>	40			80	280	520	80	
<i>Pseudo-nitzschia pungens</i>						80		
<i>Rhizosolenia imbricata</i>						40		
<i>Rhizosolenia setigera</i>			40				120	40
<i>Scrippsiella</i> sp.		240	400					
<i>Scrippsiella trochoidea</i>			160	40				200
<i>Skeletonema costatum</i>	280		40		40	40	120	
<i>Thalassionema nitzschioides</i>					40	200		
<i>Thalassiosira anguste-lineata</i>				40				
<i>Thalassiosira baltica</i>				40		40		
<i>Thalassiosira gravida</i>			80					
<i>Thalassiosira punctigera</i>			80	40				
<i>Thalassiosira</i> spp.			40	80	40			
Tintinnida	1200	4000	3320	3280	120	120	200	7080
<i>Tintinnopsis beroidea</i>				80		80		
Unarmoured dinoflagellate	40	1600	1440	680		40		120
<b>27-Sep-11</b>								
<i>Actinopterychus senarius</i>	160	1008		560	80		40	320
<i>Amphidinium carterae</i>			80					
<i>Amphidinium sphenoides</i>	80		320	80				
<i>Apedinella radians</i>	320	8064	2320					40
Armoured dinoflagellate	800	13968	840	80	80		80	760
<i>Brachionus</i> spp.	80							
Centric diatom	80					40		80
<i>Cerataulina pelagica</i>		144						40
<i>Ceratium fusus</i>	40		80					40
<i>Ceratium lineatum</i>	1560	12816	3760	160		40		840
<i>Chaetoceros debilis</i>	240	1008	120	440	200	40		40
<i>Chaetoceros decipiens</i>			40					

27-Sep-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Chaetoceros socialis</i>	240		200					40
<i>Chaetoceros</i> spp. (Hyalochaete)	200	576	160	160	240			40
Copepoda	80	288						
<i>Corethron hystrix</i>				40			40	40
<i>Coscinodiscus radiatus</i>					40			
<i>Coscinodiscus</i> spp.		288	40	40				
<i>Coscinodiscus wailesii</i>	80							
<i>Cylindrotheca closterium</i>	1920	3456	1040	840	400	320	40	400
<i>Dactyliosolen fragilissimus</i>	200							40
<i>Dictyocha speculum</i>	200	432	160	240			1400	6560
<i>Dinophysis acuminata</i>	40						40	280
<i>Dinophysis norvegica</i>	40							
<i>Ditylum brightwellii</i>				40	40			
<i>Ebria tripartita</i>	40						120	520
<i>Entomoneis</i> spp.						40		
<i>Eucampia zodiacus</i>			80					
<i>Eutreptiella</i> sp.	4120	14256	11320	200			200	1400
<i>Favella</i> spp.		144						
<i>Gonyaulax digitale</i>	40							
<i>Gonyaulax spinifera</i>		144						40
<i>Guinardia delicatula</i>	40	288		80	40			200
<i>Guinardia flaccida</i>								40
<i>Gyrodinium aureolum</i>	120	1008	280					
<i>Gyrodinium</i> spp.	360	576		160	160			
<i>Gyrosigma</i> spp.			120					
<i>Helicostomella</i> spp.	120		40					
<i>Heterocapsa triquetra</i>	120	2016	40					
<i>Laboea</i> sp.	80	144		40				
<i>Lennoxia faveolata</i>	240	2304						40
<i>Leptocylindrus danicus</i>		144		160	40			
<i>Leptocylindrus mediterraneus</i>	880	3456	760	360				240
<i>Leptocylindrus minimus</i>	120	864	440	80				40
<i>Melosira nummuloides</i>								40
<i>Mesodinium rubrum</i>	2680	3600	1280	480			1240	2000
<i>Navicula distans</i>	40							
<i>Navicula transitans</i> var. <i>derasa</i>	120							40
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			80		40			
<i>Odontella sinensis</i>					40	40		
Pennate diatom	40		80		40		40	40
<i>Pleurosigma / Gyrosigma</i>	40					40		
<i>Pleurosigma strigosum</i>		144						
<i>Polykrikos</i> spp.		288						
<i>Prorocentrum micans</i>	40	144						40
<i>Prorocentrum minimum</i>				40				40
<i>Protoperidinium bipes</i>			120					40
<i>Protoperidinium brevipes</i>		144						120
<i>Protoperidinium</i> spp.	40	576		40				
<i>Pseudo-nitzschia americana</i>							40	
<i>Pseudo-nitzschia pseudodelicatissima</i>	120		160		80	80		80





<b>4-Oct-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Eutreptiella</i> sp.	1680	9360	4720	1520	160	40	120	1440
<i>Gonyaulax spinifera</i>			40					80
<i>Guinardia delicatula</i>	120		40	80	40			120
<i>Gyrodinium aureolum</i>	160	40	40	160				80
<i>Gyrodinium</i> spp.	40	120	240	440		40		120
<i>Helicostomella</i> spp.							160	200
<i>Heterocapsa triquetra</i>		80	40					
<i>Laboea</i> sp.	40	40	120	120				160
<i>Leptocylindrus danicus</i>	80	40	160	120	40			
<i>Leptocylindrus mediterraneus</i>	40	40	120	40				40
<i>Leptocylindrus minimus</i>	120	120		40			40	
<i>Licmophora</i> spp.		40						
<i>Mesodinium rubrum</i>	1160	1400	1120	320		40	160	1120
<i>Micracanthodinium claytonii</i>	40							
<i>Navicula transitans</i> var. <i>derasa</i>			40	80			40	
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>	40	40	80					
<i>Notholca</i> spp.		40						
<i>Odontella sinensis</i>						40		
Pennate diatom	40	160	280	120	40	80	80	
<i>Pleurosigma angulatum</i>	40	40					40	
<i>Pleurosigma strigosum</i>		200	160		120	40		
<i>Polykrikos</i> spp.								40
<i>Prorocentrum micans</i>				40				80
<i>Prorocentrum minimum</i>		40	80					40
<i>Protoperidinium excentricum</i>	40							
<i>Protoperidinium</i> spp.		40		80				40
<i>Pseudo-nitzschia americana</i>	40							40
<i>Pseudo-nitzschia delicatissima</i>					40	40		
<i>Pseudo-nitzschia delicatissima</i> group	80		40					
<i>Pseudo-nitzschia pseudodelicatissima</i>				80				40
<i>Pseudo-nitzschia pungens</i>				120	40	40		160
<i>Rhizosolenia hebetata</i> f. <i>semispina</i>				40				
<i>Rhizosolenia setigera</i>				40			80	80
<i>Scrippsiella</i> sp.			160					
<i>Scrippsiella trochoidea</i>		40	80	40				200
<i>Skeletonema costatum</i>	40	80	40		40		80	
<i>Thalassionema nitzschioides</i>	40			80	200	40		40
<i>Thalassiosira anguste-lineata</i>				160				
<i>Thalassiosira baltica</i>						40		
<i>Thalassiosira gravida</i>			40			40		
<i>Thalassiosira punctigera</i>	120	40	280		120	160	40	40
<i>Thalassiosira</i> spp.	120	40	40	80	80			
Tintinnida	1080	2240	2680	1080	40		160	1040
<i>Tintinnopsis beroidea</i>	40			40	40		160	560
Unarmoured dinoflagellate	160	120	680	240		40		280
<b>18-Oct-11</b>								
<i>Actinopterychus senarius</i>	80	160			280	240	120	
<i>Alexandrium fundyense</i>	40	120		40				
<i>Amphidinium carterae</i>		40						40

18-Oct-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Amphidinium sphenoides</i>		80	80					80
<i>Apedinella radians</i>			40					
Armoured dinoflagellate	120	280	200					320
<i>Brachionus</i> spp.		40						
Centric diatom	80	40	40	40				
<i>Ceratium lineatum</i>	400	760	320	600	40			1080
<i>Chaetoceros debilis</i>				160				760
<i>Chaetoceros decipiens</i>	40							
<i>Chaetoceros lorenzianus</i>								40
<i>Chaetoceros similis</i>							280	40
<i>Chaetoceros</i> spp. (Hyalochaete)					80			
Copepoda		40	40					40
<i>Corethron hystrix</i>			40				160	80
<i>Coscinodiscus radiatus</i>	40		40					40
<i>Coscinodiscus</i> spp.		40						
<i>Cylindrotheca closterium</i>	920	920	1480	1240	920	360	600	1040
<i>Dictyocha speculum</i>	80		40			80	120	80
<i>Dinophysis acuminata</i>								40
<i>Ditylum brightwellii</i>			80		40		40	
<i>Entomoneis</i> spp.				40				
<i>Eutreptiella</i> sp.	320	200	760	80			120	480
<i>Gonyaulax digitale</i>								120
<i>Gonyaulax spinifera</i>	40	40						40
<i>Grammatophora marina</i>					40			
<i>Guinardia delicatula</i>					40			
<i>Gyrodinium aureolum</i>	40							
<i>Gyrodinium</i> spp.	280	120		200				40
<i>Helicostomella</i> spp.								80
<i>Helicotheca tamesis</i>						40		
<i>Laboea</i> sp.	40		40		40			40
<i>Lennoxia faveolata</i>							40	
<i>Leptocylindrus danicus</i>					40			
<i>Leptocylindrus minimus</i>		40						
<i>Mesodinium rubrum</i>	1920	2240	680	200	160		120	2200
<i>Micracanthodinium claytonii</i>		40	40					
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			40					40
<i>Odontella sinensis</i>				80		80	40	
<i>Paralia sulcata</i>		40				40		
Pennate diatom	40							40
<i>Pleurosigma</i> / <i>Gyrosigma</i>					40			
<i>Pleurosigma strigosum</i>				80	40	80		40
<i>Polykrikos</i> spp.								40
<i>Prorocentrum micans</i>								40
<i>Prorocentrum</i> sp. (small)			40					
<i>Protoperidinium</i> spp.				40				40
<i>Pseudo-nitzschia pseudodelicatissima</i>			40			40		
<i>Pseudo-nitzschia pungens</i>						80		
<i>Rhizosolenia setigera</i>							200	40
<i>Scrippsiella trochoidea</i>		40					40	760

<b>18-Oct-11 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Skeletonema costatum</i>	280	80				40	80	40
<i>Thalassionema nitzschioides</i>	40		40	80	120		40	40
<i>Thalassiosira gravida</i>			40		80	80		
<i>Thalassiosira punctigera</i>	120	200	120	240	80	40		240
<i>Thalassiosira</i> spp.		40		40				40
Tintinnida	760	1320	1720	760	160			10800
<i>Tintinnopsis beroidea</i>	200	80	120	40	40	80		840
Unarmoured dinoflagellate	200	760	1160	80				1240
<b>16-Nov-11</b>								
<i>Actinoptychus senarius</i>		320	160	80	480	360	120	80
<i>Alexandrium fundyense</i>				80				
<i>Amphidinium carterae</i>			40	40				400
<i>Amphidinium sphenoides</i>			40					
Armoured dinoflagellate		120	80		40			280
<i>Asterionellopsis glacialis</i>					40		40	
<i>Aulacoseira ambigua</i>	120			40				
Centric diatom		40	40					
<i>Ceratium fusus</i>				40				80
<i>Ceratium lineatum</i>	80	80	400	480	80	80		1840
<i>Ceratium longipes</i>				40				
<i>Ceratium tripos</i>			40		80			
<i>Chaetoceros danicus</i>		40						
<i>Chaetoceros debilis</i>								40
<i>Chaetoceros decipiens</i>					40			
<i>Chaetoceros similis</i>	200	80						240
<i>Chaetoceros</i> spp. (Hyalochaete)						40		40
<i>Corethron hystrix</i>		40						280
<i>Coscinodiscus radiatus</i>				40				
<i>Cylindrotheca closterium</i>	1280	1600	1320	840	560	1680	520	2040
<i>Dictyocha speculum</i>	80	120	40	40				280
<i>Dinophysis acuminata</i>	40							40
<i>Dinophysis fortii</i>			40					80
<i>Dinophysis norvegica</i>								40
<i>Ditylum brightwellii</i>		40		120	120	360	120	120
<i>Entomoneis</i> spp.		120						80
<i>Eutreptiella</i> sp.	80	80	240	40				6920
<i>Gonyaulax digitale</i>				40				
<i>Gonyaulax spinifera</i>	40							
<i>Guinardia delicatula</i>	40			40	40	40		
<i>Gyrodinium aureolum</i>			40					40
<i>Gyrodinium</i> spp.			120	160				600
<i>Helicotheca tamesis</i>	80					40		40
<i>Heterocapsa triquetra</i>								120
<i>Laboea</i> sp.							40	440
<i>Leptocylindrus minimus</i>			80					
<i>Mesodinium rubrum</i>	3920	2320	3280	80	40	40	160	4760
<i>Navicula distans</i>		80			40	160		
<i>Navicula transitans</i> var. <i>derasa</i>	40			40				
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>		40	40			40	40	40



13-Dec-11 (continued)	3-0m	15-0m	16-0m	16-10m	16-25m	16-50m	17-0m	25-0m
<i>Gyrodinium</i> spp.				120	40			
<i>Helicotheca tamesis</i>		40			80		40	
<i>Heterocapsa triquetra</i>								40
<i>Laboea</i> sp.		40						
<i>Leptocylindrus minimus</i>		40	40			40		
<i>Mediopyxis helysia</i>						40		
<i>Mesodinium rubrum</i>	160	720	200		40	40	120	1520
<i>Navicula distans</i>	40	120						
<i>Navicula transitans</i> var. <i>derasa</i> f. <i>delicatula</i>			40					
<i>Odontella sinensis</i>	40			80				
<i>Paralia sulcata</i>		40		40				
Pennate diatom	120		40	40		80	80	80
<i>Pleurosigma strigosum</i>			40		40			
<i>Protoperidinium</i> spp.				40				40
<i>Pseudo-nitzschia delicatissima</i>		120	40					
<i>Pseudo-nitzschia pseudodelicatissima</i>				40		80		
<i>Pseudo-nitzschia pungens</i>							40	
<i>Rhizosolenia setigera</i>							40	
<i>Scrippsiella trochoidea</i>								40
<i>Skeletonema costatum</i>	160	40	80		40	40		
<i>Thalassionema nitzschioides</i>	40		80	40	80	40		
<i>Thalassiosira baltica</i>	40							
<i>Thalassiosira gravida</i>	120				40			
<i>Thalassiosira punctigera</i>	120		80	120	200	200	40	200
<i>Thalassiosira</i> spp.	80	240	40	160	120	160	160	120
Tintinnida	80	120		120	40	80	120	320
Unarmoured dinoflagellate		120	200	120				280

**Appendix 3. *Alexandrium fundyense* and *Pseudo-nitzschia* species concentrations during 2012-2013.**

	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<b>17-Jan-12</b>								
<i>Pseudo-nitzschia delicatissima</i>	40				40			40
<b>14-Feb-12</b>								
<i>Pseudo-nitzschia delicatissima</i>		80	80		40			
<b>13-Mar-12</b>								
<i>Pseudo-nitzschia delicatissima</i>	240							280
<i>Pseudo-nitzschia delicatissima</i> group							40	
<b>2-Apr-12</b>								
<i>Pseudo-nitzschia delicatissima</i>			40	200	40	120		200
<b>11-Apr-12</b>								
<i>Pseudo-nitzschia delicatissima</i>	200	280	720	120	200	80	440	1440
<b>17-Apr-12</b>								
<i>Alexandrium fundyense</i>	80	120	40					40
<i>Alexandrium fundyense</i> (duplet)	40	40						
<i>Pseudo-nitzschia delicatissima</i>	160	80	40	80	40		1520	2600
<i>Pseudo-nitzschia pungens</i>								40
<b>25-Apr-12</b>								
<i>Alexandrium fundyense</i>	600	40	240	40			120	200
<i>Alexandrium fundyense</i> (duplet)	120						40	
<i>Pseudo-nitzschia delicatissima</i>	480		160	240	320	80	2520	10800
<b>1-May-12</b>								
<i>Alexandrium fundyense</i>	360	80		320	80	40	160	280
<i>Alexandrium fundyense</i> (duplet)								40
<i>Pseudo-nitzschia delicatissima</i>	600	1000	1080	1440	880	600	3560	3240
<b>8-May-12</b>								
<i>Alexandrium fundyense</i>	960	3440	760	640	40	40		640
<i>Alexandrium fundyense</i> (duplet)	120	400		80				
<i>Alexandrium fundyense</i> (quadruplet)		120						
<i>Alexandrium fundyense</i> (triplet)	40							
<i>Pseudo-nitzschia delicatissima</i>	1880	2440	5200	3800	440	760	1760	4120
<b>15-May-12</b>								
<i>Alexandrium fundyense</i>	2560	15680	960	160			480	520
<i>Alexandrium fundyense</i> (duplet)	400	1920	80				80	
<i>Alexandrium fundyense</i> (quadruplet)		80						
<i>Alexandrium fundyense</i> (triplet)			40					
<i>Pseudo-nitzschia delicatissima</i>	7000	4280	4240	5240	720	120	4000	18920
<b>22-May-12</b>								
<i>Alexandrium fundyense</i>	640	2440	1560	40	40		120	960
<i>Alexandrium fundyense</i> (duplet)	160	440	120					160
<i>Pseudo-nitzschia delicatissima</i>	8760	17120	11200	17120	1920	2640	6280	29320
<i>Pseudo-nitzschia pseudodelicatissima</i>		40						
<b>29-May-12</b>								
<i>Alexandrium fundyense</i>	2280	800					1640	1040

<b>29-May-12 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Alexandrium fundyense</i> (duplet)	80	200					80	40
<i>Alexandrium fundyense</i> (fusing)	40						40	
<i>Alexandrium fundyense</i> (quadruplet)	40						40	
<i>Pseudo-nitzschia delicatissima</i>	8520	18840					145078	143922
<i>Pseudo-nitzschia pungens</i>	120							
<b>5-Jun-12</b>								
<i>Alexandrium fundyense</i>	3400	6360	4480	2601	160		120	1840
<i>Alexandrium fundyense</i> (duplet)	240	360	400					120
<i>Alexandrium fundyense</i> (fusing)	80		40					
<i>Alexandrium fundyense</i> (planozygote)		40	40					
<i>Alexandrium fundyense</i> (quadruplet)		40						
<i>Alexandrium fundyense</i> (triplet)								40
<i>Pseudo-nitzschia delicatissima</i>	35258	43928	12960	28033	11760	3200	54910	20320
<b>12-Jun-12</b>								
<i>Alexandrium fundyense</i>	80	160	2240	160			240	240
<i>Alexandrium fundyense</i> (duplet)			80					
<i>Alexandrium fundyense</i> (fusing)			40					
<i>Pseudo-nitzschia americana</i>							40	
<i>Pseudo-nitzschia delicatissima</i>	2440	3560	720	1280	2760	640	3160	120
<i>Pseudo-nitzschia pseudodelicatissima</i>	40	240						40
<b>19-Jun-12</b>								
<i>Alexandrium fundyense</i>	1200	5720	680	1360			40	320
<i>Alexandrium fundyense</i> (duplet)	160	480		80				
<i>Alexandrium fundyense</i> (fusing)		120						
<i>Alexandrium fundyense</i> (planozygote)		240						
<i>Alexandrium fundyense</i> (quadruplet)				40				
<i>Pseudo-nitzschia delicatissima</i>	440	360		240	400	280	1800	
<i>Pseudo-nitzschia delicatissima</i> group	40							
<i>Pseudo-nitzschia pseudodelicatissima</i>	40	40						40
<i>Pseudo-nitzschia pungens</i>				40				240
<b>26-Jun-12</b>								
<i>Alexandrium fundyense</i>	160	160	1440	120	160	40	480	1200
<i>Alexandrium fundyense</i> (duplet)			200					160
<i>Alexandrium fundyense</i> (planozygote)		40					40	
<i>Pseudo-nitzschia americana</i>							40	
<i>Pseudo-nitzschia pseudodelicatissima</i>	240	600	240	160	200	120	2240	2400
<i>Pseudo-nitzschia pungens</i>						40	80	400
<i>Pseudo-nitzschia seriata</i>					40		80	
<b>3-Jul-12</b>								
<i>Alexandrium fundyense</i>	40	80	280	80			240	280
<i>Alexandrium fundyense</i> (planozygote)								40
<i>Pseudo-nitzschia fraudulenta</i>				40				



<b>3-Jul-12 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia pseudodelicatissima</i>	200	80		560	1560	200	18440	69360
<i>Pseudo-nitzschia pungens</i>				160	40	80	1000	3080
<i>Pseudo-nitzschia turgidula</i>					40			
<b>10-Jul-12</b>								
<i>Alexandrium fundyense</i>	40	120	40	40			40	440
<i>Alexandrium fundyense</i> (planozygote)		40						40
<i>Pseudo-nitzschia pseudodelicatissima</i>	1480	40	720	1040	1280	1520	27160	366667
<i>Pseudo-nitzschia pungens</i>	240		1240	480	160	120	4920	105000
<i>Pseudo-nitzschia turgidula</i>							40	
<b>17-Jul-12</b>								
<i>Alexandrium fundyense</i>	2200	14600	1520	80			240	40
<i>Alexandrium fundyense</i> (duplet)	80	80	200					
<i>Pseudo-nitzschia americana</i>						40		
<i>Pseudo-nitzschia delicatissima</i>			40					
<i>Pseudo-nitzschia pseudodelicatissima</i>	160	80	240	280	2480	2400	110976	5840
<i>Pseudo-nitzschia pungens</i>	600	1280	3160	5160	1680	560	11520	14600
<i>Pseudo-nitzschia seriata</i>				120				
<i>Pseudo-nitzschia subpacifica</i>						80		
<b>24-Jul-12</b>								
<i>Pseudo-nitzschia pseudodelicatissima</i>							880	480
<i>Pseudo-nitzschia pungens</i>							2320	1720
<b>25-Jul-12</b>								
<i>Alexandrium fundyense</i>	40	240	240					
<i>Alexandrium fundyense</i> (planozygote)	40							
<i>Pseudo-nitzschia pseudodelicatissima</i>	240	440	960	1480	1240	1040		
<i>Pseudo-nitzschia pungens</i>	1400	8360	15720	6400	4240	1520		
<b>31-Jul-12</b>								
<i>Alexandrium fundyense</i>	320	200	400	240				40
<i>Pseudo-nitzschia fraudulenta</i>	80		120					
<i>Pseudo-nitzschia pseudodelicatissima</i>	160				480	120		40
<i>Pseudo-nitzschia pungens</i>	640	240	440	120	8520	4000		
<i>Pseudo-nitzschia subpacifica</i>					40	40		
<b>7-Aug-12</b>								
<i>Alexandrium fundyense</i>		40	360	80				
<i>Pseudo-nitzschia fraudulenta</i>			120		40			
<i>Pseudo-nitzschia pseudodelicatissima</i>			40	40	40	40		
<i>Pseudo-nitzschia pungens</i>			40		160	160		
<i>Pseudo-nitzschia seriata</i>				80				
<i>Pseudo-nitzschia subpacifica</i>			40	40	40	40		
<i>Pseudo-nitzschia turgidula</i>					40			
<b>14-Aug-12</b>								
<i>Alexandrium fundyense</i>	40							

<b>14-Aug-12 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia fraudulenta</i>			160	200		40		
<i>Pseudo-nitzschia pseudodelicatissima</i>	40							
<i>Pseudo-nitzschia pungens</i>	80					80		
<i>Pseudo-nitzschia seriata</i> group		40	40					
<i>Pseudo-nitzschia subpacifica</i>						40		
<b>21-Aug-12</b>								
<i>Pseudo-nitzschia fraudulenta</i>					40			
<i>Pseudo-nitzschia pseudodelicatissima</i>						40		
<i>Pseudo-nitzschia pungens</i>		80		40	80	80		
<i>Pseudo-nitzschia seriata</i> group				40		40		
<i>Pseudo-nitzschia subpacifica</i>				80		40		
<b>28-Aug-12</b>								
<i>Pseudo-nitzschia fraudulenta</i>	40	40	320	80	160			
<i>Pseudo-nitzschia pseudodelicatissima</i>		80	400	160	360			
<i>Pseudo-nitzschia pungens</i>			680	480	120	40		40
<i>Pseudo-nitzschia seriata</i> group			120	80	40			
<i>Pseudo-nitzschia subpacifica</i>	160	40	1040	720	400			
<b>4-Sep-12</b>								
<i>Pseudo-nitzschia delicatissima</i>								40
<i>Pseudo-nitzschia fraudulenta</i>	480	7920	1320	1520	360	280		160
<i>Pseudo-nitzschia pseudodelicatissima</i>	480	17424	7960	4040	880	840		200
<i>Pseudo-nitzschia pungens</i>	40	4608	1680	480	1640	160		7640
<i>Pseudo-nitzschia seriata</i>			320	200				
<i>Pseudo-nitzschia subpacifica</i>	520	20880	6560	3360	1200	760		40
<i>Pseudo-nitzschia turgidula</i>				240		80		
<b>11-Sep-12</b>								
<i>Pseudo-nitzschia fraudulenta</i>				80		40		
<i>Pseudo-nitzschia pseudodelicatissima</i>			40	40	80	200	40	120
<i>Pseudo-nitzschia pungens</i>	40		120	40	640	720	1040	3680
<i>Pseudo-nitzschia seriata</i>			40				40	
<i>Pseudo-nitzschia seriata</i> group						40		
<i>Pseudo-nitzschia subpacifica</i>				40	40	120		
<b>18-Sep-12</b>								
<i>Pseudo-nitzschia americana</i>			120					
<i>Pseudo-nitzschia pseudodelicatissima</i>		40						
<i>Pseudo-nitzschia pungens</i>			120	120		120	40	40
<i>Pseudo-nitzschia subpacifica</i>			40					40
<b>25-Sep-12</b>								
<i>Pseudo-nitzschia americana</i>		40						
<i>Pseudo-nitzschia pungens</i>	40		360	200	40	40		
<b>9-Oct-12</b>								
<i>Pseudo-nitzschia pseudodelicatissima</i>	40	160	120		40		360	

<b>9-Oct-12 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia pungens</i>	40	640	600	600	240	40	120	
<b>25-Oct-12</b>								
<i>Alexandrium fundyense</i>		40						
<i>Pseudo-nitzschia americana</i>	40							
<i>Pseudo-nitzschia pseudodelicatissima</i>	80				40			
<i>Pseudo-nitzschia subpacifica</i>					40			
<b>19-Nov-12</b>								
<i>Pseudo-nitzschia pseudodelicatissima</i>	40							
<b>15-Jan-13</b>								
<i>Pseudo-nitzschia delicatissima</i>		40	40					
<b>12-Mar-13</b>								
<i>Pseudo-nitzschia delicatissima</i>			40					40
<b>9-Apr-13</b>								
<i>Alexandrium fundyense</i>								40
<b>16-Apr-13</b>								
<i>Alexandrium fundyense</i>	80	240						
<i>Pseudo-nitzschia delicatissima</i>							40	
<b>23-Apr-13</b>								
<i>Alexandrium fundyense</i>	40	40						40
<b>30-Apr-13</b>								
<i>Alexandrium fundyense</i>		200						
<i>Alexandrium fundyense</i> (duplet)		40						
<i>Pseudo-nitzschia delicatissima</i>								40
<i>Pseudo-nitzschia pungens</i>								40
<b>7-May-13</b>								
<i>Alexandrium fundyense</i>	360	440	80					120
<i>Alexandrium fundyense</i> (duplet)	80	80						
<i>Pseudo-nitzschia delicatissima</i>							40	40
<b>14-May-13</b>								
<i>Alexandrium fundyense</i>	120		40					80
<i>Pseudo-nitzschia delicatissima</i>			80				40	160
<i>Pseudo-nitzschia seriata</i>							40	
<b>21-May-13</b>								
<i>Alexandrium fundyense</i>							120	
<i>Pseudo-nitzschia delicatissima</i>							120	
<b>23-May-13</b>								
<i>Alexandrium fundyense</i>	760	1680	1280					80
<i>Alexandrium fundyense</i> (duplet)	120	160	40					
<i>Pseudo-nitzschia delicatissima</i>	40		120					240
<b>28-May-13</b>								
<i>Alexandrium fundyense</i>	120	720	240				40	1840
<i>Alexandrium fundyense</i> (duplet)		80	80					280

<b>28-May-13 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia delicatissima</i>	40	40					80	200
<i>Pseudo-nitzschia seriata</i> group		40						
<b>4-Jun-13</b>								
<i>Alexandrium fundyense</i>	960	6280	520				640	840
<i>Alexandrium fundyense</i> (duplet)	40	200	40					
<i>Pseudo-nitzschia delicatissima</i>	120	40	40				480	560
<i>Pseudo-nitzschia seriata</i>	40							
<i>Pseudo-nitzschia seriata</i> group		40						
<b>11-Jun-13</b>								
<i>Alexandrium fundyense</i>	920	2720	4240				80	600
<i>Alexandrium fundyense</i> (duplet)		480	200				40	
<i>Pseudo-nitzschia delicatissima</i>		120	80				120	920
<i>Pseudo-nitzschia seriata</i>								40
<i>Pseudo-nitzschia seriata</i> group	40	40						
<b>18-Jun-13</b>								
<i>Alexandrium fundyense</i>	280	760	6680				80	400
<i>Alexandrium fundyense</i> (duplet)			160					
<i>Pseudo-nitzschia delicatissima</i>			40				120	40
<b>25-Jun-13</b>								
<i>Alexandrium fundyense</i>	40	40	80					40
<i>Pseudo-nitzschia delicatissima</i>	40	320	120				40	40
<i>Pseudo-nitzschia pungens</i>								80
<i>Pseudo-nitzschia seriata</i>		40	200					
<b>2-Jul-13</b>								
<i>Alexandrium fundyense</i>	200	200	440				600	160
<i>Pseudo-nitzschia delicatissima</i>	40							
<i>Pseudo-nitzschia pungens</i>		40						
<i>Pseudo-nitzschia seriata</i>	40	160	200					
<b>9-Jul-13</b>								
<i>Alexandrium fundyense</i>		120	40					80
<i>Pseudo-nitzschia seriata</i>		200						
<b>16-Jul-13</b>								
<i>Alexandrium fundyense</i>	320		80					40
<i>Pseudo-nitzschia pungens</i>								40
<i>Pseudo-nitzschia seriata</i>		320	360					
<b>23-Jul-13</b>								
<i>Pseudo-nitzschia delicatissima</i>							160	
<i>Pseudo-nitzschia seriata</i>	880	1480	1120					480
<b>30-Jul-13</b>								
<i>Alexandrium fundyense</i>	200	280	200					240
<i>Pseudo-nitzschia pungens</i>	40	200	360					
<i>Pseudo-nitzschia seriata</i>	320	240	200					

<b>30-Jul-13 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia seriata</i> group	120							
<b>6-Aug-13</b>								
<i>Alexandrium fundyense</i>		160						
<i>Pseudo-nitzschia delicatissima</i>		40						
<i>Pseudo-nitzschia pungens</i>	40	80	40					120
<i>Pseudo-nitzschia seriata</i>	800	1200	1760					
<i>Pseudo-nitzschia seriata</i> group	320	120	320					
<i>Pseudo-nitzschia subpacifica</i>	40							
<b>13-Aug-13</b>								
<i>Pseudo-nitzschia pseudodelicatissima</i>			80					
<i>Pseudo-nitzschia pungens</i>	120	120	40					80
<i>Pseudo-nitzschia seriata</i>	360	7880	2880					160
<i>Pseudo-nitzschia seriata</i> group	240	3240	1720					80
<i>Pseudo-nitzschia subpacifica</i>		80						
<b>20-Aug-13</b>								
<i>Alexandrium fundyense</i>	40		80					
<i>Alexandrium fundyense</i> (planozygote)			40					
<i>Pseudo-nitzschia pseudodelicatissima</i>		80						
<i>Pseudo-nitzschia pungens</i>	840	440	40				40	10000
<i>Pseudo-nitzschia seriata</i>	1920	1920	440				40	200
<i>Pseudo-nitzschia seriata</i> group	840	520	120				40	80
<b>27-Aug-13</b>								
<i>Pseudo-nitzschia pseudodelicatissima</i>		40	200					40
<i>Pseudo-nitzschia pungens</i>	1120	720	920				560	3040
<i>Pseudo-nitzschia seriata</i>	280	240	240				80	80
<i>Pseudo-nitzschia subpacifica</i>	40		40					
<b>3-Sep-13</b>								
<i>Pseudo-nitzschia americana</i>							80	
<i>Pseudo-nitzschia fraudulenta</i>			40					
<i>Pseudo-nitzschia pseudodelicatissima</i>	200	280	160					40
<i>Pseudo-nitzschia pungens</i>	3840	3000	3040				1920	2400
<i>Pseudo-nitzschia seriata</i>	160	40	40				80	40
<i>Pseudo-nitzschia seriata</i> group	40							
<i>Pseudo-nitzschia subpacifica</i>			40					
<i>Pseudo-nitzschia turgidula</i>	40							
<b>10-Sep-13</b>								
<i>Pseudo-nitzschia americana</i>		120	240				280	
<i>Pseudo-nitzschia pseudodelicatissima</i>		40	240					40
<i>Pseudo-nitzschia pungens</i>	80	360	280				240	120
<i>Pseudo-nitzschia seriata</i>		40	40					
<b>16-Sep-13</b>								
<i>Pseudo-nitzschia americana</i>	40	80	40				400	600

<b>16-Sep-13 (continued)</b>	<b>3-0m</b>	<b>15-0m</b>	<b>16-0m</b>	<b>16-10m</b>	<b>16-25m</b>	<b>16-50m</b>	<b>17-0m</b>	<b>25-0m</b>
<i>Pseudo-nitzschia pseudodelicatissima</i>	200	240	80					40
<i>Pseudo-nitzschia pungens</i>	160	80	280				80	160
<i>Pseudo-nitzschia seriata</i>			40					
<i>Pseudo-nitzschia turgidula</i>		120						
<b>24-Sep-13</b>								
<i>Pseudo-nitzschia americana</i>	120							120
<i>Pseudo-nitzschia fraudulenta</i>								40
<i>Pseudo-nitzschia pseudodelicatissima</i>	240	640	800				40	360
<i>Pseudo-nitzschia pungens</i>	600	840	680				80	2400
<i>Pseudo-nitzschia seriata</i>			40					
<i>Pseudo-nitzschia seriata</i> group		40						
<i>Pseudo-nitzschia subpacific</i>	40	120	40					
<b>8-Oct-13</b>								
<i>Pseudo-nitzschia americana</i>							120	
<i>Pseudo-nitzschia fraudulenta</i>	80	80					360	1280
<i>Pseudo-nitzschia pseudodelicatissima</i>	760	2200	800				2600	6520
<i>Pseudo-nitzschia pungens</i>	400	1400	1120				520	1400
<i>Pseudo-nitzschia seriata</i>							160	200
<i>Pseudo-nitzschia subpacific</i>		200					520	1360
<i>Pseudo-nitzschia turgidula</i>								80
<b>22-Oct-13</b>								
<i>Pseudo-nitzschia fraudulenta</i>	6120	1520	2240				7240	93058
<i>Pseudo-nitzschia pseudodelicatissima</i>	9800	2800	3040				22360	123114
<i>Pseudo-nitzschia pungens</i>		200	240				360	1734
<i>Pseudo-nitzschia seriata</i>							40	
<i>Pseudo-nitzschia seriata</i> group	40	40	400					11560
<i>Pseudo-nitzschia subpacific</i>	2200	2400	1280				3040	6936
<i>Pseudo-nitzschia turgidula</i>							40	
<b>14-Nov-13</b>								
<i>Pseudo-nitzschia americana</i>								40
<i>Pseudo-nitzschia fraudulenta</i>	1720	440	1120				1160	3360
<i>Pseudo-nitzschia pseudodelicatissima</i>	160	80					120	40
<i>Pseudo-nitzschia pungens</i>	80	120	80				640	1360
<i>Pseudo-nitzschia seriata</i> group	200	40	320				40	40
<i>Pseudo-nitzschia subpacific</i>	720		200				160	960
<b>10-Dec-13</b>								
<i>Pseudo-nitzschia fraudulenta</i>							40	80
<i>Pseudo-nitzschia pseudodelicatissima</i>	120	160	40				40	80
<i>Pseudo-nitzschia seriata</i> group							80	120