

ATTACHMENT A

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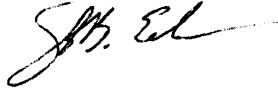
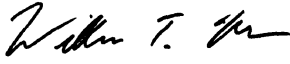

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Aquatic Ecology Sampling Report

Levy Nuclear Plant

Prepared for

Progress Energy Florida

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Prepared by



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1 Introduction

The ecological data presented in this report are the result of an aquatic sampling program conducted by CH2M HILL, under contract to Progress Energy, from October 2007 to November 2008. The purpose of the monitoring program was to collect information to describe the physical, chemical, and biological characteristics of waters potentially influenced by the proposed Levy Nuclear plant (LNP). The study area is shown in Figure 1-1 and includes the Cross Florida Barge Canal (CFBC), nearshore Gulf of Mexico waters, the Crystal River Energy Complex (CREC) discharge, and the Old Withlacoochee River (OWR) segment between Inglis Dam and the CFBC. The data contained in this report will supplement the aquatic ecology information presented previously in the LNP Combined Operating License Application submitted by Progress Energy to the Nuclear Regulatory Commission (NRC) (July 30, 2008) and the LNP Site Certification Application (SCA) submitted to the State of Florida Department of Environmental Protection (FDEP) (June 2, 2008). This Aquatic Ecology Sampling Technical Memorandum will be submitted to the FDEP prior to the Site Certification hearings and will form the basis of aquatic ecology impact assessment testimony. The supplemental information contained in this report will also aid the NRC aquatic scientists developing aquatic impact assessments as part of the federal Environmental Impact Statement (EIS).

2 Methodology

The section provides a brief summary of the data collection methods employed in the field and calculation methods used in the data reduction and interpretation.

2.1 Data Collection

The field and analytical parameters collected and a brief summary of each methodology are provided below. Detailed information on the sampling methodology for each parameter is presented in the Aquatic Sampling Work Plan (CH2M HILL, 2007). A summary of the sampling program and the sampling dates per parameter and site are provided in Tables 2.1-1 through 2.1-6. Sampling locations at each site are provided in Figures 2.1-1, 2.1-2, and 2.1-3.

- Field water quality measurements included salinity, conductivity, dissolved oxygen (DO), pH, temperature, and water clarity. Data were collected at Stations 1 through 7 in the CFBC, Stations CREC-1 through CREC-4 in the CREC discharge, and Stations 8, 9, and 10 in the OWR. Physiochemical parameters were measured using a YSI multiprobe meter. Water clarity was measured using a Secchi disk.
- Analytical water quality parameters included chlorophyll *a*, total suspended solids (TSS), total dissolved solids (TDS), total phosphorous, orthophosphate, nitrate plus nitrite, ammonia, and total Kjeldahl nitrogen (TKN). Water samples were collected using a peristaltic pump and decontaminated tubing. Samples were collected at Stations 1 through 7 in the CFBC, CREC Stations 1 through 4, and Stations 8, 9, and 10 in the OWR.
- Analytical sediment quality parameters included particle size and total organic carbon. Samples were collected at Stations 1 through 7 in the CFBC, Stations CREC-3 and CREC-4 in the CREC discharge vicinity, and Stations 8, 9, and 10 in the OWR. Three replicate sediment samples were collected at each station using a Petite Ponar dredge, which captured approximately the upper 6 inches of the sediment profile.
- Benthic infauna and motile invertebrate samples were collected using four techniques:
 - A petite ponar dredge, measuring six inches square, was used to collect three sediment samples from each station. The collected sediment was field sieved through a 600 micron mesh, and retained organisms were preserved with 10 percent buffered formalin. Benthic infauna samples were collected at Stations 1 through 7 in the CFBC, Stations CREC-3 and CREC-4 in the CREC discharge, and Stations 8, 9, and 10 in the OWR. Taxonomic identification, species abundance counts, and diversity indices were performed by taxonomic specialists at Water and Air Research, Inc., in Gainesville, Florida.
 - Qualitative hand-picked samples of shoreline macroinvertebrates were conducted within the intertidal zone of the CFBC, at Stations 1, 2, and 3. Macroinvertebrates

were picked from various substrates including rocks, mud flats, and oyster beds. Taxonomic identification and species abundance counts were performed by taxonomic specialists at Water and Air Research, Inc., in Gainesville, Florida.

- Motile macroinvertebrates were collected using crab traps and trawls at Stations 1 through 4 in the CFBC and Stations CREC-3 and CREC-4 in the CREC discharge. Crab traps only were deployed at Stations 8, 9, and 10 in the OWR. A total of five baited crab traps were deployed at each station for up to 5-day durations. A 6-foot otter trawl was pulled at 5-minute intervals along the bottom at multiple locations within a 1-mile segment for each CFBC station and within a half-mile radius of CREC Stations 3 and 4.
- The ichthyoplankton and meroplankton community was sampled at Stations 1 through 4 in the CFBC and Stations CREC-3 and CREC-4 in the CREC discharge vicinity. A 330-micron conical plankton net (0.5 meter [m] diameter) equipped with a flowmeter was used in replication to quantify ichthyoplankton, meroplankton, and holoplankton at each station. Duplicate oblique plankton tows were taken during the day and night for a total of 4 plankton samples per station. A tow time of 5 minutes was selected to achieve the desired volume of water sampled. Tow times were divided evenly between surface, mid, and bottom water column depths. Samples were preserved with formalin and submitted to taxonomic specialists at Ecological Associates in Jensen Beach, Florida, for plankton enumeration and identification.
- The fish community was sampled at Stations 1 through 4 in the CFBC, Stations CREC-3 and CREC-4 in the CREC discharge, and Stations 8, 9, and 10 in the OWR. Collection techniques included beach seining, gill netting, trawling, cast netting, and minnow traps. Trawling could not be conducted in the OWR due to the uneven and scoured limestone bottom and narrow stream width. Fish were identified to species, measured and enumerated in the field, and released. Voucher specimens of small or difficult to identify species were retained by preserving in alcohol, while larger or readily identifiable species were documented with photographs. George Burgess of the University of Florida (Gainesville) provided quality control review of the fish species identification.
 - Shoreline fish species were sampled using a ¼-inch mesh, 50-foot seine with a 6- X 6- X 6-foot bag. Duplicate samples were collected at Stations 1, 2, and 3 in the CFBC, and Station CREC 3, which are the only CFBC and CREC stations where shoreline habitat suitable for sampling occurred. Bag seines were not used at the OWR Stations. Samples were collected by anchoring one end of the seine to the shoreline, while the opposite end was drawn by boat back to the shoreline. The net was then retrieved to the shoreline.
 - Trawling was conducted to assess demersal fish species near the bottom of the water column. A 6-foot otter trawl was pulled along the bottom at multiple locations within a 1-mile segment at each CFBC station and within a half-mile radius of CREC Stations 3 and 4. Trawls were conducted for 5 minutes at a speed of typically 2 miles per hour or less.

- Gill nets 75 feet long and 6 feet deep with varying mesh sizes (1 inch to 6 inches) were deployed within a 1-mile area at each station. The smallest mesh end of each gill net was secured at or near the shoreline, stretched perpendicular to the shoreline into deeper water, and anchored. Net soak times were limited by terms of the approved state collector's permits and concerns for netting manatees and therefore did not exceed 2 hours between being deployed and retrieved.
- Cast netting was conducted at various locations within a 1-mile area for each CFBC station and within a half-mile radius of CREC Stations 3 and 4. Cast nets with 6-foot and 7-foot radius and with 5/8 inch and 1 inch mesh sizes were used, and nets were tossed a minimum of 40 times and a maximum of 50 times per station from a boat.
- Ten minnow traps (16- by 9-inch galvanized mesh) were baited and deployed across a 1-mile area for each CFBC station and within a half-mile radius of CREC Stations 3 and 4. Traps were retrieved up to 24 hours after deployment.

2.2 Calculations

Calculations used in the data reduction and interpretation are provided below.

Arithmetic Mean (Average):

$$= \frac{1}{n} \left(x_1 + \dots + x_n \right)$$

Density:

$$= \left(\frac{\text{Number of Individuals}}{\text{Area (m}^2\text{)}} \right)$$

$$= \left(\frac{\text{Number of Individuals}}{\text{Volume (100 m}^3\text{)}} \right)$$

Percent Composition:

$$= \left(\frac{\text{Number of Individuals per Species}}{\text{Total Number of Collected Individuals}} \right) \times 100$$

Flowmeter Calculations

Distance:

$$= \frac{(\text{End Value} - \text{Start Value}) \times 26,873}{999999}$$

Volume:

$$= \frac{(\text{Distance} \times \text{Diameter of net } (0.5 \text{ m})^2 \times 3.14)}{4}$$

Catch per Unit Effort (CPUE)

$$= \left(\frac{\text{Total Catch (Number of Individuals)}}{\text{Total Effort Spent (time or number of efforts)}} \right)$$

Shannon Diversity (H')

$$= \sum_{i=1}^S p_i \bullet \ln(p_i)$$

where S = number of species in the sample

p_i = number of individuals of the i th species divided by (N)

N = total number of individuals in the sample.

Pielou's Index of Evenness (J'):

$$= \frac{H'}{\ln(S)}$$

where H' = Shannon's index

S = Total number of species

Margalef's Index of Richness (d1):

$$= \frac{S - 1}{\ln(N)}$$

where S = the total number of taxonomic groups in the sample

N = the total number of individuals per 100 cubic meters (m^3)

Statistical Methods

An Analysis of Variance (ANOVA) was used to examine differences of benthic infauna and zooplankton abundance between the CFBC stations, season and night vs. day effects using the three replicates per station per date as the within station sampling error. Interactions between the main effects were also evaluated. ANOVA is a technique designed to determine whether the mean values of multiple groups are statistically different from one another. The probability that observed differences between the various effects could be due to random variability in the data was calculated and compared to a significance level of 0.05. If the

calculated probability for an effect is less than 0.05, that effect is typically deemed significant. The lower the calculated probability, the more significant the effect is based on the ANOVA evaluation. Determining that an effect is significant indicates that not all of the groups considered are equivalent (at least one is different from the others, or perhaps all are different from one another). ANOVA is often applied directly to measured data, but if that data are not normally distributed, the calculated probabilities can be biased. To avoid biased probabilities, a rank transformation was performed on the density data before the ANOVA was performed.

To determine which individual groups were significantly different from one another, a test of contrasts was performed. The *post hoc* test employed for this evaluation was the Tukey comparison ($p < 0.05$). For each constituent, the group with the largest mean value is assigned the letter A. If the mean values of all groups are statistically similar to one another, then they all are assigned the letter A. If the mean value of a group is statistically lower than the one designated as A, then it is designated as a B. If the mean value is statistically lower in another group (than the group assigned a B), then it is assigned the letter C, and so on. If the mean value is not statistically different between two categories (A or B), it is given the designation AB.

3 Results

The section provides the results and evaluation of the data collected at the CFBC, CREC discharge vicinity, and OWR segment. Tables and figures listed in the following sections are provided at the end of this Technical Memorandum. Source data used for calculations, summary tables, and figures are provided in Appendices A, B, and C.

3.1 Cross Florida Barge Canal

3.1.1 Physical Description

The CFBC was authorized in 1942 but was terminated in 1971 after approximately one-third of the canal had been completed. The segment of the CFBC that is associated with the LNP site falls within a completed portion of the canal, extending from Inglis Lock at the western end of Lake Rousseau westward into the Gulf of Mexico. This reach of the CFBC, which was excavated to 16.8 miles, extends from the Inglis Lock into the Gulf of Mexico. The material dredged from the land cut portion was placed on both sides of the canal, while material excavated from the Gulf of Mexico was placed in multiple spoil piles along the south side of the alignment, creating a series of nearshore spoil islands. The CFBC reach also bisects the Withlacoochee River.

Water control structures at the western end of Lake Rousseau include the Inglis Lock, Inglis Dam, and the Inglis Bypass Channel facilities. The dam at the southwestern end of Lake Rousseau controls water flow from the lake into an isolated segment of OWR, which flows into the CFBC downstream of the lock. The bypass channel diverts water from Lake Rousseau, through a canal around the northern side of Inglis Lock, then through a regulated spillway into the original Withlacoochee River, which ultimately connects to the Gulf of Mexico. The Inglis Lock is not operational; however lake water may seep through this structure. An obvious boil of groundwater occurs in the CFBC near the lock, thus freshwater is entering this end of the canal.

The CFBC discharges into the Withlacoochee Bay estuary and the Gulf of Mexico. The influence of freshwater flowing into the bay from various coastal rivers near the project area, such as Crystal River, Withlacoochee River, and Waccasassa River, creates a range of salinities that contribute to various habitat types. The dominant intertidal habitats in the area include brackish marshes, salt marshes, intertidal mud flats, and oyster reefs. Brackish and salt marshes are dominated by smooth cordgrass (*Spartina alterniflora*) and black needlerush (*Juncus roemerianus*). Intertidal mud flats lie between low and high tide. Oyster reefs are found primarily outside of river mouths and provide habitat for many other estuarine organisms.

Seagrass beds also represent a significant nearshore habitat. The most common seagrass species includes turtle grass (*Thalassia testudinum*), manatee grass (*Syringodium filiforme*), shoal grass (*Halodule wrightii*), and *Halophila engelmannii* (Mote Marine Laboratory, 1995; this study). Macroalgae, including several species of *Caulerpa*, *Hypnea musciformis*, and *Chondria*

sp. are also common in the nearshore area. Seagrass beds, and to a lesser extent algal beds, serve to trap and stabilize sediment, contribute to primary productivity and as a food source to herbivores, create large quantities of detritus, and provide a substrate for epiphytic algae.

The CFBC also serves as a recreational area. The FDEP Office of Greenways and Trails maintains the Withlacoochee Bay Trail and Felburn Park, which is located along the southern side of the CFBC. A boat ramp, which is located near the US-19 overpass, provides boating access to the CFBC and the Gulf of Mexico.

3.1.2 Physicochemical Characterization

Aquatic sampling was conducted from October 2007 to November 2008 to characterize the physical community along the length of the CFBC and nearshore areas of the Gulf of Mexico. Sampling included the collection of depth profiles, substrates, and water quality using various sampling techniques. These data are summarized in the following subsections.

Size

The length of the CFBC, extending from the western side of the Inglis Lock structure to its confluence with the Gulf of Mexico, is 7.4 miles. The width of the CFBC is fairly uniform beginning at approximately 1 mile west of the Inglis Lock and extending to the Gulf of Mexico, ranging from 207 to 262 feet. The greatest variation occurs within 1 mile of the Inglis Lock, ranging from 92 feet at the dam to 387 feet approximately 0.5 miles from the dam. The surface acreage of this segment of the barge canal is 226 acres. In addition, the dredged portion of the canal extends the canal 16.8 miles seaward from the lock.

Depth Profile

Cross sectional (4 point) depth profiles of the CFBC were conducted at Stations 1, 2, and 3 in October 2007. Mid-channel canal depths were also measured at 0.5 mile intervals, starting at the Inglis Lock and extending to 8.0 miles below the lock. Mid-channel canal depths ranged from 8.6 to 18.2 feet and averaged 14.7 feet (Figure 3.1.2-1). Depth was typically shallower at the cross-sectional measurement closest to the shorelines, as measured at approximately 50 feet from each shoreline. Mid-channel depth measurements varied from the Inglis Lock to the mouth of the CFBC. Mid-channel depth measurements within 1 mile of the lock averaged 16.2 feet. An average depth of 12.9 feet occurred between 1.5 and 3.5 miles. A trend of increasing depth occurred from 4.0 miles (depth 14.2 feet) to 5.5 miles (depth 18.2 feet), but then decreased slightly between 6 and 8 miles averaging 17.4 feet.

Total Organic Carbon and Particle Size

Sediment samples were collected from four stations in the CFBC (CFBC Stations 1, 2, 3, and 4) during two separate sampling events (October/November 2007 and June 2008). Total organic carbon (TOC) and particle size characteristics were generally consistent between the two sampling events. Three stations were sampled in the dredged canal channel that extends from the CFBC into the nearshore Gulf of Mexico (CFBC Stations 5, 6, and 7) during a single sampling event (October 2007). Sediment data for CFBC sampling events are presented in Appendix A.

Average TOC decreased from the Inglis Lock to the nearshore Gulf of Mexico (Table 3.1.2-1). TOC was higher at stations in the CFBC (CFBC Stations 1, 2, and 3) and was highest at CFBC Station 1 (60,714 milligrams per kilogram [mg/kg]) near the Inglis Lock. The sediment at the

CFBC stations was predominantly silt, ranging from 49.2 to 60.7 percent, and averaging 54.3 percent. Sand in the CFBC sediment averaged 17.1 percent, while clay averaged 28.6 percent.

The nearshore Gulf of Mexico sediment samples (CFBC Stations 4, 5, 6, and 7) were very different from the CFBC sediments. At CFBC Station 4, near the mouth of the CFBC, TOC decreased to 7,417 mg/kg, while farther offshore at CFBC Stations 5, 6, and 7, TOC concentrations decreased further to an average of 4,225 mg/kg. Sand was the dominant particle size at these three stations, ranging from 75.9 to 90.8 percent, and averaging 83.1 percent. Gravel, primarily in the form of shell fragments, ranged from 2.2 to 19.6 percent (11.4 percent average), while lesser amounts of silt (2.2 percent average) and clay (3.4 percent average) were present at these stations.

3.1.3 Water Quality

Field Parameters

Salinity Profile

Salinity data were collected in the CFBC at four stations (CFBC Stations 1, 2, 3, and 4) between October 2007 and November 2008 and at three nearshore Gulf of Mexico stations (CFBC Stations 5, 6, and 7) between October 2007 and December 2007. Average salinity values collected at specific depth intervals of 0.15 (nominal surface), 1.0, 2.0, 3.0, and 4.0 m for the four CFBC stations and three nearshore Gulf of Mexico stations are illustrated in Figure 3.1.2-2. These data are presented in an upstream to downstream order, ranging from CFBC Station 1 (0.5 miles) west of the Inglis Lock to CFBC Station 7, which is located approximately 16 miles west of the Inglis Lock in the nearshore waters of the Gulf of Mexico. Salinity data for CFBC sampling events are presented in Appendix A.

Salinity increased with both distance from the Inglis Lock and with sample interval depth at the four CFBC stations. Salinity was lowest at CFBC Station 1 at the surface (5.75 practical salinity scale [pss] average), increasing at each successive depth to a 16.87 pss average at the 4.0 m depth. Increasing salinity trends at successive sample interval depths were also observed at CFBC Stations 2, 3, and 4. Highest average salinities within the CFBC at each sample depth were measured at CFBC Station 4, in the near-shore Gulf just outside the mouth of the CFBC, ranging from 17.83 pss at the surface to 25.91 pss at 4.0 m.

At the additional Gulf of Mexico stations (CFBC Stations 5, 6, and 7), salinity was generally higher than that in the CFBC and data were less variable. The average of all data measured at the nearshore Gulf of Mexico stations was 30.8 pss with a range of 27.99 pss to 33.09 pss.

The salinities at CFBC stations were typically highest in near-bottom waters on all sampling events, suggesting that a saltwater wedge extends upstream to the Inglis Lock throughout the year. Within the CFBC, surface (0.15 m) salinities were variable, ranging from 0.46 to 28.36 pss. However, near-bottom (4.0 m) salinities within this same time period were higher, ranged from 3.65 to 33.15 pss. In general, the upper 2.0 m of the water column within the CFBC and just outside of its mouth often showed a wide range of salinities among sampling stations and sampling dates; whereas, below 2.0 m, the salinities were generally more stable at all depths, reflecting a general increase in salinity with increased proximity to the Gulf of Mexico.

Variations in salinity among individual sampling events were wide ranging at CFBC Stations 1, 2, and 3 in the CFBC and at Station 4 near the CFBC mouth. This is primarily the result of tidal fluctuations and the variable mixing of fresh and saltwater in the CFBC. Freshwater is released from the dam upstream at Lake Rousseau, through an isolated segment of the Withlacoochee River (the OWR), and into the CFBC about 2.1 km downstream of the Inglis Lock. Some freshwater is also released at the lock, and an unknown number of underwater springs also contribute freshwater to the CFBC.

Temperature Profile

Average temperature values collected at specific depth intervals of 0.15, 1.0, 2.0, 3.0, and 4.0 m for the four CFBC stations and three nearshore Gulf of Mexico stations are illustrated in Figure 3.1.2-3. These data are presented in an upstream to downstream order. Temperature data for CFBC sampling events are presented in Appendix A.

The temperature data reflect expected temporal trends in the CFBC; mid-July 2008 temperatures represented the highest temperatures for all stations, while October 2007 through December 2007 represented the lowest temperatures. In July 2008, surface temperatures for all stations ranged between 30.0 and 33.3 degrees Celsius (°C), while surface temperatures ranged between 15.0 and 28.6°C in October 2007 through December 2007.

Water temperatures measured at CFBC Stations 1, 2, 3, and 4 were generally warmer than CFBC Stations 5, 6, and 7 in the nearshore Gulf of Mexico, regardless of the date sampled. This trend was more clearly defined in the upper water column between the surface and 2.0 m, whereas at 4.0 m the temperature difference was somewhat less distinct (Table 3.1.2-2)

Dissolved Oxygen, pH, and Water Clarity

Average DO values at depth intervals at the CFBC stations (CFBC Stations 1, 2, 3, and 4) and nearshore Gulf of Mexico stations (CFBC Stations 5, 6, and 7) are illustrated in Figure 3.1.2-4. Table 3.1.2-3 summarizes the average results for DO, as well as pH and water clarity (i.e., Secchi depth), at each CFBC station. DO, pH, and water clarity data for CFBC sampling events are presented in Appendix A.

Average DO values for each station and sampling period ranged from a 0.21 to 13.04 milligrams per liter (mg/L). In general, DO concentrations within the CFBC decreased with depth while the DO profile at the nearshore stations was more uniform. CFBC Station 1, located 0.5 miles downstream of the Inglis Lock, had the lowest DO concentrations, with bottom values frequently less than 3.0 mg/L

The pH measurements (Appendix A) showed a general increasing trend from the Inglis Lock to nearshore Gulf of Mexico. The lowest pH value was recorded at CFBC Station 1 (6.94 standard units [SU]) at the 4.0 m depth, while the highest reading was recorded at CFBC Station 4 (8.38 SU) at the 4.0 m depth.

Average water clarity showed an increasing trend from the Inglis Lock to nearshore Gulf of Mexico. The station with the least water clarity, as measured by Secchi disc, was CFBC Station 2 with a value of 1.28 m. The greatest water clarity occurred at Stations 5, 6, and 7 in the Gulf of Mexico, with values ranging from 1.81 to 2.13 m.

Analytical

Water quality analytical samples were collected in the CFBC at four stations (CFBC Stations 1, 2, 3, and 4) on seven sampling events conducted between October 2007 and October 2008. Samples were collected from mid-depth at each station, with the exception of the October 2008 sampling event, during which samples were collected at the surface, mid-depth, and bottom. Three nearshore Gulf of Mexico stations (CFBC Stations 5, 6, and 7) were also sampled on four events conducted between October 2007 and December 2007. All nearshore samples were collected at mid-depth. Analytical water quality data for CFBC sampling events are presented in Appendix A.

Ammonia concentrations ranged from 0.36 mg/L at CFBC Station 1 to concentrations below the detection limit at each station during various sampling events. Ammonia concentrations were highest at all stations within the CFBC during the June 2008 sampling event. (Figure 3.1.2-5). Ammonia was not detected at any of the nearshore Gulf of Mexico stations with the exception of one sample at CFBC Station 5 with a concentration of 0.41 mg/L collected in December 2007 (Figure 3.1.2-6).

Nitrate + nitrite concentrations were generally more variable at the stations within the CFBC compared to the nearshore Gulf of Mexico stations (Figure 3.1.2-7 and Figure 3.1.2-8). Concentrations at the nearshore Gulf of Mexico stations did not exceed 0.28 mg/L and were often below the nitrate + nitrite detection limit (0.25 mg/L). The stations within the CFBC contained concentrations that were slightly higher than the nearshore Gulf of Mexico stations during the same sampling events. Subsequent sampling events within the CFBC measured increased nitrate + nitrite concentrations, with peak concentrations occurring during the late-August 2008 sampling event that occurred following Tropical Storm Faye.

TKN concentrations for the CFBC and nearshore stations are shown in Figures 3.1.2-9 and 3.1.2-10, respectively. The highest TKN concentration (1.80 mg/L) occurred at CFBC Station 3 during the December 2007 sampling event. TKN concentrations were generally higher at the stations within the CFBC compared to the nearshore Gulf of Mexico stations during the same sampling events.

Total nitrogen was generally higher and more variable at the stations in the CFBC compared to the nearshore Gulf of Mexico stations (Figure 3.1.2-11 and Figure 3.1.2-12). The highest Total nitrogen concentration was collected from CFBC Station 3 during the December 2007 sampling event (1.86 mg/L). Concentrations were below Total nitrogen detection limits at each of the nearshore Gulf of Mexico stations during the October 2007 sampling event.

Orthophosphate generally decreased with distance from the Inglis Lock at stations within the CFBC (Figure 3.1.2-13). Concentrations within the CFBC ranged from 0.054 mg/L at CFBC Station 1 to below detection limits at CFBC Stations 2, 3, and 4 during the October 2008 sampling event.

Total phosphorus was higher and more variable at the stations within the CFBC compared to stations in the nearshore Gulf of Mexico (Figure 3.1.2-14 and Figure 3.1.2-15). The highest average concentration (0.29 mg/L) occurred at CFBC Station 2, with the lowest concentration collected at CFBC Station 4 (0.012 mg/L). Concentrations were lower and more stable at the nearshore Gulf of Mexico stations during the same sampling events, with values ranging from 0.016 mg/L to 0.029 mg/L.

Stations within the CFBC contained higher and more variable chlorophyll *a* concentrations than the nearshore Gulf of Mexico stations (Figure 3.1.2-16 and Figure 3.1.2-17). Concentrations generally decreased with distance away from the Inglis Lock, with the highest concentration (55.1 milligrams per cubic meter [mg/m³]) occurring at CFBC Station 2, 3.5 miles downstream of the Inglis Lock. Concentrations were below chlorophyll *a* detection limits at CFBC Stations 3 and 4 during several sampling events (Appendix A). Chlorophyll *a* concentrations were below 3.2 mg/m³ at the nearshore Gulf of Mexico stations, with concentrations below chlorophyll *a* detection limits at each station during the October 2007 sampling event.

TDS concentrations were generally lowest at CFBC Stations 1 and 2, ranging from 370 to 24,000 mg/L, and increasing to a high of 33,000 mg/L at CFBC Station 4 and Station 7 (Appendix A). As expected, TDS concentrations, which reflect concentrations of salt, generally increased with proximity to the Gulf of Mexico during concomitant sampling events.

TSS concentrations ranged from below detection limit (5 mg/L) at CFBC Station 1 (September, 2008 sampling event) to 52 mg/L at CFBC Station 3 (Figure 3.1.2-18). In general, stations near the Gulf of Mexico (CFBC Station 3 and 4) and in the nearshore Gulf of Mexico (Figure 3.1.2-19) contained higher TSS concentrations than the stations in the more quiescent waters near the Inglis Lock (CFBC Stations 1 and 2).

3.1.4 Biological Characterization

Aquatic sampling was conducted from October 2007 to October 2008 to characterize the biological community along the length of the CFBC and nearshore areas of the Gulf of Mexico. Sampling included the collection of benthic invertebrates, zooplankton, and fish using various sampling techniques. These data are summarized in the following subsections. Biological data for CFBC sampling events are presented in Appendix A.

3.1.4.1 Benthic Invertebrates

Benthic invertebrate samples were collected using four techniques. A Petite Ponar dredge was used to sample the benthic invertebrates that inhabit the sediment (infauna). Shoreline hand picking was conducted to document benthic invertebrates that are present in the intertidal zone. Crab traps and trawls were used to collect motile benthic macroinvertebrates.

Benthic Infauna

Benthic infauna samples were collected at Stations 1 through 7 in October and December 2007 and Stations 1 through 4 in June and October 2008.

The mean abundance for stations sampled ranged from 54 individuals per square meter (ind/m²) at Station 1 and 14,847 ind/m² at Station 5 (Table 3.1.3.1-1). Statistically significant differences in benthic infauna abundance were found between sampling stations and season (Tables 3.1.3.1-2 and 3.1.3.1-3). Statistically significant differences between stations were only found between Station 1, which had the lowest mean abundance, and Station 2, which had the highest mean abundance. Abundances were found to be significantly higher in October 2008 than the other sampling events.

The benthic infauna collected were comprised of polychaetes, crustaceans, cnidarians, bivalves, and oligochaetes (Table 3.1.3.1-1 and Figure 3.1.3.1-1). Although a large variety of phyla, classes, orders, and families were collected, Class Polychaeta (Phylum Annelida) dominated the infauna, accounting for about 75 percent of the study mean total and 48 percent of the species. Polychaetes numerically dominated the benthic community at all stations during all events and comprised 62 to 96 percent of the benthic infaunal community. Dominant polychaetes included *Stebliospio* sp., *Prionospio cristata*, *Galathowenia oculata*, and *Lumbrineridae* sp. Amphipods (Crustacea), represented by 68 taxa, ranked second in abundance. Amphipods were not collected at Station 1 below the Inglis Lock and were most abundant at Station 5, in the near-shore Gulf of Mexico, where they accounted for almost 18 percent of the benthic community. The most dominant amphipods were *Ampelisca* sp., *Bemlos* sp., and *Apocorophium louisianum*. Crustaceans (amphipods and decapods), mollusks (bivalves and gastropods), and cnidarians were more abundant in the Gulf of Mexico stations (Stations 5 through 7) than in the CFBC stations (Stations 1 through 4). Nutclams, *Nucula crenulata*, and *Nuculana acuta* were the most abundant of the bivalves collected. *Calyptraea centralis*, *Crepidula plana*, and *Thala floridana* were the most abundant gastropods.

Diversity statistics were calculated for major taxonomic groups (e.g., phylum, classes, orders, families) using the station means. Diversity, evenness, and richness were highest at stations in the Gulf of Mexico and relatively low at stations near the Inglis Lock (Table 3.1.3.1-4). Station 7, farthest offshore, presented the highest number of major taxonomic groups (20 taxa) and diversity ($H' = 2.14$), and the second highest evenness ($J' = 0.49$) and richness values ($d1 = 2.05$). Stations 4 and 6 both had a total of 19 major taxonomic groups and very similar diversity values. Station 1 presented the lowest number of taxa and density and reflected the poor quality of sediments near the Inglis Lock. Station 2 had the lowest diversity ($H' = 0.31$) and evenness ($J' = 0.10$) values due to a relatively high abundance of 14,015 ind/100 square meters (m^2) strongly dominated by Polychaetes (96 percent of the study mean). Such a high proportion of individuals from one taxonomic group has the effect of depressing diversity indices.

Shoreline Handpicking

Shoreline handpicking was conducted at Stations 1 through 3 along the CFBC in November and December 2007. Invertebrate taxa collected represented three phyla: Annelida, Arthropoda, and Mollusca (Table 3.1.3.1-5).

Station 1 was dominated by False dark mussels (*Mytilopsis leucophaeata*) and barnacles (*Chthamalus fragilis*) in November, and these two species were abundant in December. Oligochaete worms were abundant at Station 1 during both events. Isopods and chironomid midges (*Dicrotendipes lobus*) were abundant in November, and amphipods (*Apocorophium louisianum*) and springtails (Collembola, Hypogastruridae) were abundant in December.

Station 2 was dominated by amphipods (*Melita longisetosa*, *Melita* sp.) in December, and Olive nerite (*Neritina usnea*) were abundant during both events. Other abundant taxa during at least one event included False dark mussel (*Mytilopsis leucophaeata*), hooked mussel (*Ischadium recurvum*), barnacles (*Balanus* sp), common mud crab (*Eurypanopeus depressus*), and Atlantic mud crab (*Panopeus herbstii*).

Barnacles were abundant at Station 3 during both events. The invasive green porcelain crab (*Petrolisthes armatus*) and hooked mussel (*Ischadium recurvum*) were abundant at only Station 3 in November. Barnacles (*Chthamalus fragilis*), common mud crab (*Eurypanopeus depressus*), and tanaids (Leptocheliidae) were abundant at Station 3 in December.

Motile Macroinvertebrates

Motile macroinvertebrates were collected using crab traps and trawls at Stations 1 through 4. A total of five baited crab traps were deployed across a 1-mile segment for each station. A 6-foot otter trawl was pulled along the bottom at multiple locations within a 1-mile segment for each station (Stations 1-4). Trawls were conducted for 5 minutes at a speed of typically 2 miles per hour or less.

Trawl

Trawling was conducted to assess demersal macroinvertebrate species near the bottom of the water column at multiple locations within a 1-mile segment at each station. Event 1 was conducted on October 31 and November 1, 2007, Event 2 in December 2008, Event 3 in May 2008, and Event 4 in August 2008.

A total of 55 individuals representing 10 invertebrate species were collected using trawls. Blue crab, with a total CPUE of 9, represented 30 percent of the total catch (Table 3.1.3.1-6). Other relatively abundant species were Atlantic brief squid, comprising 17 percent of the total catch, pink shrimp, comprising 17 percent of the total catch, and mud crab, comprising 16 percent of the total catch. Those species had total CPUEs of 5 each.

Because the number of trawls per station varied, CPUE per station was calculated by number of individuals per trawl for comparison of abundance and composition between station and sampling event (Tables 3.1.3.1-7 through 3.1.3.1-10). The largest total CPUE was 12 invertebrates per trawl in May. The second largest CPUE was 9 in December, followed by a CPUE of 5 in August, and a CPUE of 4 in October.

No motile macroinvertebrates were collected at Station 1 near the Inglis Lock. Station 3 had the highest CPUE with 12 invertebrates per trawl, followed by Stations 4 and 2 with CPUEs of 9 (Table 3.1.3.1-6). Station 4 had the highest number of species, with 7 different species, Station 2 had 4 different species, and 3 different species were recorded at Station 3.

Crab Trap

Ten crab traps (approximately 16 inches by 9 inches) were baited and deployed across a 1-mile segment at each station. Event 1 was conducted in October 2007, Event 2 in December 2007, Event 3 in May 2008, and Event 4 in August 2008.

A total of 123 blue crabs were collected using crab traps. No other invertebrate species were caught in the crab traps (Tables 3.1.3.1-11 through 3.1.3.1-15). The total CPUE was 3 in October and December and 2 in May and August. Station 3 had the highest CPUE with 5, followed by Station 2 with a CPUE of 2, Station 4 with a CPUE of 1, and Station 1 with a CPUE of 0.1. Only 1 blue crab was collected at Station 1 in August, and no crabs were collected during the other sampling events.

3.1.4.2 Zooplankton

Zooplankton in the CFBC were collected at Stations 1 through 4 during 14 sampling events (Table 2.1-1). Zooplankton are the heterotrophic component of the plankton community.

The following subsections provide analyses of the mean abundance averaged over the 14 sampling events: spatial, temporal, and diurnal (day/ night) differences in mean abundance and species composition.

Components of the total zooplankton community discussed below include holoplankton, meroplankton, and ichthyoplankton. Holoplankton are those organisms that are planktonic throughout their life histories. Meroplankton is a term that refers to developmental stages (generally eggs and larvae) of organisms that are not planktonic as adults. Ichthyoplankton refers to fish eggs and larvae. Pseudoplankton, organisms that attach to planktonic organisms in the water column, and benthic invertebrates collected were excluded from the calculations.

Total Zooplankton

Total zooplankton generally increased with distance from the Inglis Lock during day and night and was significantly higher in the spring than in summer and fall. Statistically significant differences of total zooplankton abundance were found between sampling stations, season and day versus night (ANOVA, $p < 0.0001$) (Table 3.1.3.2-1). The mean abundance of zooplankton varied between stations in the CFBC, from a maximum of 61,631 ind/100m³ at Station 4 (night) to a minimum of 5,380 ind/100m³ at Station 2 (day). The Tukey test indicated that offshore Station 4 was significantly higher than all other stations ($p < 0.05$) (Table 3.1.3.2-2). Station 3 was significantly higher than Station 2, and Station 1, near the Inglis Lock, was significantly lower than all other stations in terms of total zooplankton abundance. The Tukey tests also indicated that night sampling produced significantly higher densities than day sampling, and abundances were significantly higher in the spring than in summer and fall ($p < 0.05$) (Table 3.1.3.2-2).

Holoplankton represented about 60 percent, meroplankton about 38 percent, and ichthyoplankton comprised around 2.5 percent of the total zooplankton community. The taxonomic structure of total zooplankton was characterized by the numerical dominance of Panopeidae (mud) crab larvae and copepods. These two taxa collectively represented from about 65 percent to 88 percent of the mean abundance at each station. Copepods, chaetognath worms, mysids, and cladocerans were collected throughout the study in both day and night sampling and appear to be components of a year-round resident holoplankton community. Meroplankton reflected the year-round prevalence of invertebrate larvae, such as Panopeidae crabs, brachyuran crabs, caridean shrimps, cirripeds (barnacles), and gastropods. Ichthyoplankton were present from all sampling stations and dates, representing about 4 and 2 percent of the total zooplankton in day and night sampling, respectively.

Diversity statistics for total zooplankton were calculated for major taxonomic groups (e.g., classes, orders, families) using the day and night station means. Zooplankton diversity, richness, and evenness were highest at stations closest to the Gulf of Mexico during the day, while at night diversity was highest near the Inglis Lock. Station 3 presented the highest number of taxonomic groups (60 taxa), diversity ($H' = 2.63$), evenness ($J' = 0.45$), and richness values ($d1 = 6.20$) during the day sampling (Table 3.1.3.2-3). Station 4 presented the highest number of taxonomic groups (61 taxa), abundance, and richness ($d1 = 5.44$) among sampling stations at night for total zooplankton (Table 3.1.3.2-4). Although Station 1 had the lowest number of taxa (36 taxa) and mean abundance (22,628 ind/100m³), Station 1 had the highest diversity ($H' = 1.90$) and evenness ($J = 0.37$). The higher diversity indices at Station 1

resulted from the high proportion of major taxonomic groups relative to the lowest study mean.

Holoplankton

Holoplankton generally increased from the Inglis Lock during the day and night and was higher in the spring than in summer and fall. Statistically significant differences of total holoplankton abundance were found between sampling stations, seasons, and day versus night (ANOVA, $p < 0.0001$) (Table 3.1.3.2-5). The mean abundance of holoplankton varied two orders of magnitude between stations in the CFBC, from a maximum of 49,858 ind/100m³ at Station 4 (night) to a minimum of 396 ind/100m³ at Station 2 (day) (Figure 3.1.3.2-1). The Tukey test indicated that Stations 3 and 4 were not significantly different from each other but were significantly higher than Stations 1 and 2 ($p < 0.05$) (Table 3.1.3.2-6). Station 2 was significantly higher than Station 1, and Station 1 was significantly lower than all other stations. The Tukey tests also indicated that night sampling produced significantly higher densities than day sampling, and total holoplankton was significantly greater in the Spring than in summer and fall ($p < 0.05$) (Table 3.1.3.2-6). There was not a statistically significant difference between the summer and fall seasons.

Holoplankton represented between about 7 and 47 percent of the total zooplankton during the day and between about 31 and 83 percent of the total zooplankton during the night. Copepods were the most numerically dominant taxonomic component during the day and night and represented over 90 percent of the total holoplankton in both day and night collections at all stations. Other prominent taxonomic components of the holoplankton in terms of relative abundance were Chaetognath worms, mysids, and cladocerans. Appendicularia and cnidarians were collected only during the day, and Euphausiids were collected only at night.

Meroplankton

Meroplankton generally decreased from the Inglis Lock during the day, was variable at night, and higher in the spring than in summer and fall. Statistically significant differences of total meroplankton abundance were found between sampling stations and seasons but not between day and night (Table 3.1.3.2-7). The maximum variation of total meroplankton abundance between stations was 4 fold, from 4,553.0 ind/100m³ at Station 2 (day) to 18,930.1 ind/100m³ at Station 4 (day) (Figure 3.1.3.2-2). The Tukey test indicated that meroplankton abundance at Station 4 was significantly higher than all other stations ($p < 0.05$) (Table 3.1.3.2-8). Station 3 was significantly higher than Station 1, which was significantly lower than all other stations in terms of meroplankton abundance. Station 2 was not significantly different from Stations 3 or 1. The Tukey test also indicated that abundances were significantly higher in the spring than in summer and fall ($p < 0.05$).

Meroplankton represented between about 49 and to 90 percent of the total zooplankton during the day and 15 to 67 percent of the total zooplankton during the night. Panopeidae crab larvae were the most numerically dominant meroplankton component during both day and night sampling at all stations and accounted for 56 to 84 percent of the total meroplankton during the day and 35 to 88 percent at night (Figures 3.1.3.2-3 and 3.1.3.2-4). Other prominent taxonomic components of the meroplankton in terms of relative abundance were larvae of brachyuran crabs, cirripeds (barnacles), caridean shrimps, and

gastropods. Upogebiidae (mud) shrimp and Pinnotheridae (pea) crab larvae were also abundant during the day, and tunicates and Palaemonidae shrimp were abundant at night.

Ichthyoplankton

Ichthyoplankton were most abundant at stations closest to the Gulf of Mexico. The maximum variation of total ichthyoplankton abundance between stations was from 40 ind/100m³ at Station 1 (day) to 1,475 ind/100 m³ at Station 4 (day) (Figure 3.1.3.2-5).

Statistically significant differences of egg abundance were not found between sampling stations, seasons, or day versus night (Table 3.1.3.2-9). The maximum variation of egg abundance between stations was from less than 1 ind/100m³ at Station 2 (night) to 652 ind/100m³ at Station 4 (day). Engraulidae (anchovy) were the most numerically dominant eggs during both day and night sampling for all stations, and accounted for 97 percent of eggs during the day and about 75 percent of the eggs collected at night. Clupeidae (sardines and menhaden) eggs were collected in low abundances during both day and night at Stations 1, 2, and 3. Egg complexes representing the families of Achiridae, Merlucciidae, Paralichthyidae, Sciaenidae, and Serranidae were collected in low abundances at Stations 3 and 4 during the day, and egg complexes representing the families of Paralichthyidae and Sparidae were collected at night at Station 4.

Fish larvae densities were about 2 times higher than fish egg densities. Larval mean abundance varied between stations from 37 ind/100m³ at Station 1 (day) to 823 ind/100m³ at Station 4 (day). Statistically significant differences of larvae abundance were found between sampling stations, seasons, and day versus night (Table 3.1.3.2-10). The Tukey test did not reveal consistent trends with distance from the Inglis Lock but indicated that Station 4 was significantly greater than Station 2 ($p < 0.05$) (Table 3.1.3.2-11). The Tukey tests also indicated that larvae were significantly greater in the spring ($p < 0.05$) (Table 3.1.3.2-11).

Two families collectively accounted for 88 percent of the larvae mean total: Gobiidae and Engraulidae. Gobiidae larvae represented about 78 and 51 percent of the total larvae collected in day and night sampling, respectively. Engraulidae larvae was the second most abundant during both the day and night sampling, accounting for about 14 and 34 percent of the daytime and nighttime larvae mean total, respectively. Larvae of Gobiidae and Engraulidae were collected during all of the sampling events, indicating the presence of year-round resident populations with continuous reproduction in the CFBC and near-shore Gulf of Mexico. Larvae of pelagic fishes, including that of Sciaenidae (croakers and drums), Clupeidae (menhaden), Atherinoformes (silversides), and Gerreidae (mojarra) were also among the most abundant fish larvae from most stations. Larvae of small demersal fishes, including representatives of Blenniidae and Achiridae, were common from most sampling stations.

Fish larvae were mostly collected as post yolk-sac larval stages. Yolk-sac larvae represented 4 percent of the total fish larvae collected in both day and night. Of the identifiable yolk-sac larvae, Engraulidae were the most dominant yolk-sac larvae during the day and night at Stations 2, 3, and 4. Clupeid yolk sac larvae were the most dominant at Station 1 during the day and night. Other yolk-sac larvae taxa collected included Atherinoformes (silversides), Blennidae (blennies), Clupeiformes (anchovies and herrings), Cyprinodontidae (killifishes), and Gobiidae (gobies). Post-flexion larvae represented 96 percent of the total fish larvae collected during the day and night. Members of the family Gobiidae (gobies) were the most

dominant post yolk-sac larvae during the day and night at all stations, except Station 1 (Figures 3.1.3.2-6 and 3.1.3.2-7). Engraulidae (anchovy) post yolk-sac larvae were the most abundant at Station 1.

Larvae of commercially or recreationally important fishes including silver perch (*Bairdiella chrysora*), spotted seatrout (*Cynoscion nebulosus*), sand weakfish (*Cynoscion aerenarius*), southern kingfish (*Menticirrhus americanus*), red drum (*Sciaenops ocellatus*), and leatherjacket (*Oligoplites saurus*) were collected in low abundances as post yolk-sac larvae. Post yolk-sac larvae collected in low abundances identified to family with commercial or recreational importance were Carangidae (jacks and pompanos), Haemulidae (grunts), Mullidae (mulletts), and Sparidae (breams and porgies).

Diversity statistics for ichthyoplankton were calculated for the lowest practical identification level (i.e., family or species) using the day and night station means. During both day and night, ichthyoplankton density, diversity, and richness were highest at stations closest to the Gulf of Mexico. Station 3 presented the highest number of taxonomic groups (36 taxa), diversity ($H' = 2.33$), and richness values ($d1 = 5.30$) during the day sampling (Table 3.1.3.2-12). Station 4 had the highest mean density and second highest diversity and richness values, and Station 1 had the lowest number of taxonomic groups and abundance during the day. Station 4 presented the highest number of taxonomic groups (46 taxa), diversity ($H' = 2.96$), and richness ($d1 = 6.63$) among sampling stations at night for ichthyoplankton (Table 3.1.3.2-13). Station 3 had the second highest number of taxonomic groups (39 taxa) and richness ($d1 = 5.45$), and Station 1 had the lowest number of taxa (36 taxa) and richness ($J' = 3.19$).

3.1.4.3 Fisheries

Adult and juvenile fish were collected using five different gear types at Stations 1, 2, 3, and 4. Fisheries data were collected using beach seines, otter trawls, gill nets, cast nets, and minnow traps. A total of 4,980 fish representing 80 taxa were collected at the four sampling stations using the five gear types. Because the collection success of the different gear types can vary, fisheries data are presented by gear type, and abundance is discussed as both number of individuals caught and on a CPUE basis. Individual catch records are presented in Appendix A, and summary tables present CPUE data by event and for the entire sampling period (October 2007 to September 2008)

Beach Seine

Shoreline fishes were sampled using a 1/4-inch mesh, 50-foot seine with a 6- x 6- x 6-foot bag. Beach seine samples were not collected at Station 4. The limited exposed shoreline at this station consists of salt marsh islands with rough limestone bottoms and oyster reefs precluding the use of a beach seine. Event 1 was conducted in October and November 2007, Event 2 in December 2007, Event 3 in June 2008, and Event 4 in August and September 2008.

A total of 928 individuals representing 24 fish species were collected using beach seines. The largest catches from the four sampling events were a catch of 591 gulf menhaden and 86 bay anchovy caught in June of 2008 and a catch of 57 spotfin mojarra in December 2007, together representing about 80 percent of the total catch. The catch of gulf menhaden, which was not collected in other seine sampling events, accounted for 64 percent of the entire catch for all four sampling events combined. Bay anchovy, which was also caught in small numbers in

December 2007, comprised 10 percent of the entire catch for all events combined. Spotfin mojarra, which dominated the catch in November and December 2007, and in August 2008 accounted for 17 percent of the entire catch for all events combined. Bay anchovy, spotfin mojarra, Atlantic needlefish, and pinfish were the only species caught during each sampling event.

CPUE per station was calculated as the number of individuals per beach seine haul for comparison of abundance and composition between station and sampling event (Tables 3.1.3.3-1 to 3.1.3.3-4). The dominant species were gulf menhaden (297) and bay anchovy (47) in June 2008 representing the highest CPUE, 345 for this technique. The total CPUE for all stations in November 2007 was 26, in December 2007 was 66, and in August 2008 was 28. Spotfin mojarra was the most abundant fish caught in November and December 2007 and in August 2008, with respective CPUEs of 16, 45, and 19. The greatest CPUE in June 2008 was 296 for gulf menhaden.

Station 1 had the highest total CPUE for all events combined, at 391 fish per haul (Table 3.1.3.3-5). Station 2 had a total CPUE of 40, and Station 3 had a total CPUE of 34 for all events combined. Fifteen different species were caught at Station 3, 12 different species were caught at Station 1, and 11 different species were caught at Station 2. The large CPUE for Station 1 reflects the high numbers of gulf menhaden and bay anchovy collected in June 2008. No catch was recorded at Station 1 in November 2007.

Trawl

Trawling was conducted to assess demersal fish species near the bottom of the water column at multiple locations within a 1-mile segment at each station. Event 1 was conducted in October 2007, Event 2 in December 2008, Event 3 in May 2008, and Event 4 in August 2008.

A total of 2,703 individuals representing 38 fish species were collected using trawls. Significant catches of bay anchovy and silver perch were recorded in October and December 2007. Bay anchovy was also the most abundant fish caught in May and August 2008, but fewer individuals were caught during those sampling events. Bay anchovy, with a total CPUE of 918, represented 55 percent of the total catch for all four events combined (Table 3.1.3.3-10). Other relatively abundant species for all four events combined were silver perch, comprising 26 percent of the total catch, and spotfin mojarra, comprising 8 percent of the total catch. Species important in individual events but representing 3 percent or less of the total include pinfish and spot in October 2007 and May 2008, gulf menhaden and hardhead catfish in December 2007, Atlantic croaker in May 2008, and Atlantic bumper and sand seatrout in August 2008.

Because the number of trawls per station varied, CPUE per station was calculated by number of individuals per trawl for comparison of abundance and composition between stations and sampling events (Tables 3.1.3.3-6 to 3.1.3.3-9). The largest total CPUE was 1,001 in October 2007. The second largest CPUE was 504 in December 2007, followed by a CPUE of 142 in August 2008, and a CPUE of 35 in May 2008. The largest catches were as follows: bay anchovy with a CPUE of 670 in October 2007 and a CPUE of 180 in December 2007 and silver perch with a CPUE of 207 in October 2007 and a CPUE of 220 in December 2007. Bay anchovy dominated the other events with a CPUE of 8 in May 2008 and a CPUE of 60 in

August 2008. Spotfin mojarra had a CPUE of 57 in October 2007, 18 in December 2007, and 57 in August 2008.

Station 1 had the lowest CPUE in each sampling event (Tables 3.1.3.3-6 to 3.1.3.3-9) and the lowest total CPUE for all events combined with 6 (Table 3.1.3.3-10). Station 2 had the highest CPUE with 744, followed by Station 3 with a CPUE of 575, and Station 4 with 356. Station 1 also had the lowest number of species, with only five species represented. Station 4 had the highest number of species at 20, and 19 species were recorded at both Stations 2 and 3.

Gill Net

Gill nets 75 feet long and 6 feet deep with varying mesh size panels were deployed within a 1-mile segment at each station. Event 1 was conducted in 2007, Event 2 in December 2007, Event 3 in June 2008, and Event 4 in August 2008.

A total of 161 individuals representing 26 fish species were collected using gill nets. The most abundant species for the four events combined were scaled sardine, comprising 50 percent of the total catch, ladyfish, comprising 14 percent of the total catch, and spotfin mojarra, comprising 13 percent of the total catch (Table 3.1.3.3-15). Spotfin mojarra was the most abundant fish caught in November 2007, scaled sardine was the most abundant in December 2007, and ladyfish dominated the catch in June 2008 and was co-dominate with bonnethead shark and longnose gar in August 2008.

Because the net soak times varied, CPUE per station was calculated as the number of individuals per day for comparison of abundance and composition between stations and sampling events. Station 3 had the highest total CPUE for all sampling events combined with 927 and the highest number of recorded species with 13 (Table 3.1.3.3-15). Station 2 was the next most productive with 11 different species and a total CPUE of 290. Stations 1 and 4 had fewer results. Station 4 had a total CPUE of 96 and 9 different species, and Station 1 had a total CPUE of 79 and 6 different species.

When examined on an event basis, December 2007 recorded the highest CPUE at 1,006, followed by November 2007 with a CPUE of 268, June 2008 with a CPUE of 74, and August 2008 with a CPUE of 43 fish per day (Tables 3.1.3.3-11 to 3.1.3.3-14). During the December 2007 event, the CPUE of scaled sardine was 689 and a CPUE of 125 was recorded for ladyfish. Spotfin mojarra dominated the November 2007 sampling event with a CPUE of 160. The second largest CPUE (34) for the November 2007 event was recorded for ladyfish. The two dominant species in June 2008 were ladyfish, with a CPUE of 24, and gafftopsail catfish, with a CPUE of 17. The two dominant species in August 2008 were bonnethead shark and longnose gar, both with CPUEs of 8.

Cast Net

Cast netting was conducted at various locations within a 1-mile segment at each station. Cast nets with 6-foot and 7-foot radius and with 5/8 inch and 1 inch mesh sizes were used, and nets were thrown a minimum of 40 times and a maximum of 50 times from a boat. Event 1 was conducted from October 29 to November 2, 2007, Event 2 in December 2007, Event 3 in May 2008, and Event 4 in August 2008.

A total of 993 individuals representing 39 different fish species were collected using cast nets. The most abundant species caught was gulf menhaden, with one significant catch of 225 individuals at Station 4 in August 2008, making up most of the total. Gulf menhaden

comprised 25 percent of the total catch for all four events combined (Table 3.1.3.3-20). Spotfin mojarra was the most abundant fish in the October 2007 and December 2007 events and comprised 20 percent of the total catch for all events. Other relatively abundant species for all events were white mullet, with 10 percent of the catch, pinfish, with 9 percent of the catch, and striped mullet and scaled sardine, each with 7 percent of the catch. White mullet, pinfish, and striped mullet were the only species caught at every sampling event.

Because the number of casts per station varied, CPUE per station was calculated by number of individuals per 25 casts for comparison of abundance and composition between stations and sampling events. The highest total CPUE was 195 for the December 2007 sampling event followed by August 2008 (total CPUE of 177), October 2007 (total CPUE of 153), and May 2008 (total CPUE of 64) (Tables 3.1.3.3-16 to 3.1.3.3-19). Spotfin mojarra dominated the October 2007 and December 2007 events, with CPUEs of 32 and 81 respectively. During the October 2007 event, other common species were scaled sardine with a CPUE of 27, pinfish with a CPUE of 23, and mullet with a CPUE of 22. In December 2007, white mullet and striped mullet were also abundant, with respective CPUEs of 31 and 22. The May 2008 event results had three species with similar results: white mullet with a CPUE of 16, pinfish with a CPUE of 15, and striped mullet with a CPUE of 13. The CPUE for gulf menhaden in August 2008 was 144.

When comparing CPUE totals by station (Table 3.1.3.3-20), Station 4 had the highest total CPUE for all events combined with 247, followed by Station 3 with a CPUE of 152, Station 1 with a CPUE of 96, and Station 2 with a CPUE of 94. The number of different species caught did not correlate with CPUEs. Station 3 had the greatest number of different species with 22. Station 2 had 21 different species; Station 4 had 19 different species; and Station 1 had 14 different species.

Minnow Trap

Ten minnow traps (approximately 16 inches by 9 inches) were baited and deployed within a 1-mile segment at each station. Event 1 was conducted during October 2007 and November 2007. Event 2 was conducted in December 2007. Event 3 was conducted in May 2008 and June 2008, and Event 4 was conducted in August 2008.

A total of 188 individuals representing 10 fish species were collected using minnow traps. The most abundant species were silver perch, comprising 35 percent of the total catch, and spotfin mojarra, comprising 23 percent of the total catch (Table 3.1.3.3-25). Other relatively abundant species were a species of goby, comprising 13 percent of the total catch, and pinfish and naked goby, each comprising 9 percent of the total catch. Spotfin mojarra was dominant during the November 2007 and August 2008 events and co-dominant with a species of goby in December 2007. Silver perch dominated the May 2008 event, representing the most abundant species caught between October 2007 and September 2008.

Because the trap soak time varied, CPUE per station was calculated by number of individuals per day for comparison of abundance and composition between stations and sampling events. The May 2008 event had the highest CPUE with 10, followed by August 2008 with a CPUE of 5, October/November 2007 with a CPUE of 4, and December 2007 with a CPUE of 1 (Tables 3.1.3.3-21 to 3.1.3.3-24). The highest CPUE for an individual species was 6 for silver perch in May 2008. Spotfin mojarra dominated the August 2008 and October/November 2007 catches with CPUEs of 2.

When comparing CPUE totals by station (Table 3.1.3.3-25), Station 2 had the highest overall total for all sampling events with a CPUE of 9, followed by Station 1 with a CPUE of 5, and Stations 3 and 4 with CPUEs of 3. Similar to the cast net findings, the number of species collected did not necessarily correlate with abundance. Station 2 had the highest number of collected species at 8, followed by Station 4 with 7 different species, Station 3 with 6 species, and Station 1 with 3 species.

3.2 Crystal River Discharge

3.2.1 Physical Description

The CREC consists of five power generating plants (Units 1 through 5), each of which uses water drawn through an intake canal from the Gulf of Mexico to provide process cooling. Unit cooling water is then released into the CREC discharge canal, which flows back into the Gulf of Mexico. Construction at the CREC site began in 1964, with the offshore construction of the intake and discharge canals completed in 1966.

The CREC discharge canal extends west northwest from within the complex for approximately 1.6 miles to the point of discharge (POD) at the Gulf of Mexico shoreline. The discharges of Units 1, 2, and 3 enter the discharge canal near the eastern end. The combined discharge from Units 4 and 5 enters the discharge canal about 1,000 feet further downstream. The intake to the helper cooling towers, which operate to reduce discharge canal water temperature, is located about 1,200 feet downstream of the Units 4 and 5 discharge. Cooled water re-enters the canal over the next 1,600 feet.

Beginning at the POD, the canal extends an additional 1.2 miles into the Gulf of Mexico at a dredged depth of approximately 10 feet. The offshore dredged channel is bordered to the south by a spoil bank.

Sediments in the vicinity of the CREC Discharge: Total Organic Carbon and Particle Size

Sediment samples were collected at two stations in the vicinity of the CREC discharge (CREC Stations 3 and 4) during two sampling events (July 2008 and November 2008). TOC and particle size characteristics varied between the two sampling events. Sediment data for CREC sampling events are presented in Appendix B.

TOC was similar between the two CREC stations with an average TOC of 8,265 mg/kg (Table 3.2.1-1). CREC station sediments were predominantly sand, averaging 77.6 percent. CREC Station 3, located within the CREC discharge canal, had a higher gravel content (5.6 percent) and lower silt content (6.1 percent) in comparison to CREC Station 4 (gravel and silt content of 1.1 and 18.7 percent, respectively), which is located further offshore.

3.2.2 Water Quality

Field Parameters

Field parameters were collected twice from CREC Stations 1 and 2 and nine times from CREC Stations 3 and 4. Sampling occurred just below the surface at the CREC Stations 1 and 2 due to access to the station being limited to shoreline sampling. At CREC Stations 3 and 4, specific depth intervals of 0.15, 1.0, 2.0, 3.0, and 4.0 m were sampled if available. Water quality field parameter data for CREC sampling events are presented in Appendix B.

Salinity Profile

Salinity samples were collected at four stations in and within the vicinity of the CREC discharge canal (CREC Stations 1, 2, 3, and 4). CREC Stations 1 and 2 (downstream of the Units 4/5 Intake and Discharge points) were sampled during two events (September 2008 and November 2008), while CREC Stations 3 and 4 were sampled during four events (April, June, September, and November 2008).

Average salinity values collected at the CREC stations are presented in Figure 3.2.2-1. These data are shown in an upstream to downstream order, ranging from CREC Station 1 to CREC Station 4, which is located in the nearshore waters of the Gulf of Mexico west of the CREC Discharge Canal.

Salinity varied slightly among stations and available sample interval depths in the CREC. Average salinity variation between stations at all sample intervals was less than 3.3 pss. Salinity was lowest at CREC Station 4 at the surface (28.2 pss average), and highest at CREC Station 3 at 3.0 m (31.5 pss). Salinity slightly increased with increasing depth at CREC Stations 3 and 4.

Temperature Profile

Average temperature values collected at the CREC stations are presented in Figure 3.2.2-2. These data are shown in an upstream to downstream order.

Temperature generally decreased with increased distance west of the CREC discharge. The highest sample event temperature was recorded at the surface at CREC Station 1 (37.45°C), nearest the cooling water discharge, during the September 2008 sampling event. Surface sample interval temperature decreased to 30.41°C at Station 4 during the same sampling event. Lowest average temperatures were found at Station 4 at 2.0 m (24.83°C).

Dissolved Oxygen, pH, and Water Clarity

Average DO values at the CREC stations (CREC Stations 1, 2, 3, and 4) are illustrated in Figure 3.2.2-3. In addition, Table 3.2.2-1 summarizes the average results for DO, as well as pH and water clarity (i.e., Secchi depth) at each CREC station. Results were averaged for all available sample depths and all sample dates at each station. No water clarity measurements were taken at CREC Stations 1 and 2 because water quality field parameter data were collected from the canal shoreline.

In general, surface DO concentrations at the CREC decreased from Station 1 to Station 4. Average DO was highest at CREC Station 1 (6.28 mg/L) and decreased to 5.61 mg/L at CREC Station 4. Decreasing DO with depth generally occurred within individual sampling events at CREC Stations 3 and 4, with higher DO concentrations at the surface and lowest concentrations at the bottom.

The range of pH values was similar between CREC Stations (Table 3.2.2-1). Minimum and maximum pH values were both recorded at CREC Station 3 (7.45 and 8.10, respectively).

Water clarity slightly decreased between CREC Station 3 (0.85 m) and CREC Station 4 (0.76 m).

Analytical

Water quality analytical samples were collected at four stations in the CREC vicinity (CREC Stations 1, 2, 3, and 4) during two sampling events (September and November 2008). CREC

Stations 1 and 2 are located within the confined portion of the CREC Discharge Canal; CREC Station 3 is located just beyond the barrier at the end of the confined portion of the CREC Discharge Canal; and CREC Station 4 is located in the nearshore waters of the Gulf of Mexico west of the CREC Discharge Canal. Samples at CREC Stations 1 and 2 were collected just below the surface (0.15 m), and samples at CREC Stations 3 and 4 were collected at mid-depth. Analytical water quality data for CREC sampling events are presented in Appendix B.

Ammonia concentrations were consistent among all stations for both sampling events (Figure 3.2.2-4). Concentrations were below detection limits at each station during the September 2008 sampling event, and were at 0.15 mg/L at each station during the November 2008 sampling event.

Nitrate + nitrite concentrations were generally consistent among the four stations (Figure 3.2.2-5), with no significant spatial or temporal trends. Concentrations ranged from 0.038 mg/L at CREC Station 4 to 0.011 mg/L at CREC Station 1 (duplicate sample).

TKN concentrations were higher for all stations during the September 2008 sampling event compared to the November 2008 sampling event (Figure 3.2.2-6). The highest TKN concentration (1.70 mg/L) occurred at CREC Station 1 during the September 2008 sampling event, while the lowest occurred at CREC Station 1 during the November 2008 sampling event.

Total nitrogen was highest (1.71 mg/L) and lowest (0.17 mg/L) at CREC Station 1 during the September 2008 and November 2008 sampling events, respectively (Figure 3.2.2-7). Total nitrogen concentrations were higher at all stations in September 2008, with a slightly decreasing trend away from the CREC to the Gulf of Mexico.

Orthophosphate concentrations were highest at CREC Stations 1 and 2 (1.00 mg/L at both stations) during the November 2008 sampling event (Figure 3.2.2-8). All other sample values for each CREC station were below 0.03 mg/L for both sampling events.

Total phosphorus concentrations ranged from 0.10 at CREC Station 2 to 0.02 mg/L at CREC Station 4 (Figure 3.2.2-9). The results did not reflect any significant spatial or temporal total phosphorous trends.

Chlorophyll *a* concentrations at all CREC Stations were below 8.5 mg/m³ (Figure 3.2.2-10). The greatest value was recorded at CREC Station 4 during the September 2008 sampling event. Concentrations were similar at Stations 1, 2, and 3 during the November 2008 sampling event, and were all greater than Station 4 (Figure 3.2.2-10).

TDS concentrations generally decreased from CREC Station 1 to CREC Station 4 (Appendix B). The highest TDS concentration was collected at CREC Station 1 (28,000 mg/L), with the lowest concentration collected at CREC Station 4 (20,000 mg/L). Since TDS reflects salt concentrations that may be elevated through cooling towers, this trend is not unexpected.

TSS concentrations ranged from 40 mg/L at CREC Stations 1, 3, and 4 (September 2008 sampling event) to 14 mg/L at CREC Station 4 (Figure 3.2.2-11). TSS concentrations generally decreased with distance away from the CREC Unit 4/5 Discharge during the November 2008 sampling event. This trend was not observed during the September 2008 sampling event.

3.2.3 Biological Characterization

Aquatic sampling was conducted from April 2008 to November 2008 to characterize the biological community at the CREC discharge. Sampling included the collection of benthic invertebrates, zooplankton, and fish using various sampling techniques. These data are summarized in the following subsections. Biological data for CREC sampling events are presented in Appendix B.

3.2.3.1 Benthic Invertebrates

Benthic Infauna

Benthic infauna samples were collected at Stations 3 and 4 in July and November 2008 using the methodology described in Section 2.

Station mean abundances were 12,041 ind/m² at Station 3 and 9,192 ind/m² at Station 4 (Table 3.2.3.1-1). A higher total density was collected during April at Station 3 (14,395 ind/m²) as compared to the sampling in November (9,688 ind/m²) (Table 3.2.3.1-2). The opposite was true at Station 4, with a higher total density in November (10,405 ind/m²) than April (7,980 ind/m²) primarily due to increased abundances of polychaetes and gastropods in November (Table 3.2.3.1-3).

The benthic infauna of the CREC discharge was comprised of polychaetes, oligochaetes, bivalves, crustaceans, gastropods, and cnidarians (Table 3.2.3.1-1 and Figure 3.2.3.1-1). Polychaetes (Phylum Annelida) dominated the infauna, comprising 85 percent of the study mean total and approximately 40 percent of the species. Polychaetes dominated the benthic community at both stations during both events and accounted for 77 (Station 4) to 91 percent (Station 3) of the station means (Tables 3.2.3.1-2 and 3.2.3.1-3). Dominant polychaetes included *Mediomastus* sp., *Mediomastus californiensis*, *Fabricinuda trilobata*, *Monticellina dorsobranchialis*, and *Lumbrineris verrilli*. Oligochaetes ranked second, accounting for 3.3 percent of the mean abundance. Polychaete density generally decreased and oligochaete density increased with distance from the CREC discharge. Bivalves represented 3.2 percent of the overall mean abundance (Table 3.2.3.1-1). The most dominant bivalves were individuals identified to Family Tellinidae and *Nuculana acuta*. Amphipods were slightly more abundant at Station 3 than at Station 4. Mollusks (bivalves and gastropods) and decapods were more abundant at Station 4 outside the CREC discharge canal than in the CREC discharge canal (Station 3). Cnidarians were collected at much higher densities at Station 3 than at Station 4.

Diversity statistics were calculated for major taxonomic groups (e.g., phylum, classes, orders, families) using the station means. Station 4, located farthest offshore, had the highest number of major taxonomic groups (17 taxa), diversity ($H' = 1.42$), evenness ($J' = 0.35$), and richness values ($d1 = 1.75$) (Table 3.2.3.1-4). The relatively low diversity indices from Station 3 resulted from the dominance of polychaetes (91 percent of the station mean density). Such high proportion of individuals from one taxonomic group has the effect of depressing diversity indices.

Motile Macroinvertebrates

Motile macroinvertebrates were collected using crab traps and trawls at Stations 3 and 4. A total of five baited crab traps were deployed within a half-mile radius of each station. A 6-foot otter trawl was pulled along the bottom at multiple locations within a half-mile radius

of each station. Trawls were conducted for 5 minutes at a speed typically of 2 miles per hour or less.

Trawl

Trawling was conducted to assess demersal fish species near the bottom of the water column at multiple locations within a half-mile radius of each station. Event 1 was conducted in April 2008, Event 2 in June 2008, Event 3 in August, 2008, and Event 4 in November 2008.

A total of 72 individuals representing 21 invertebrate species were collected using trawls. Yellowline arrow crab, with a total CPUE of 7, represented 19 percent of the total catch (Table 3.2.3.1-5). Other relatively abundant species were pink shrimp, comprising 15 percent of the total catch, and mud crab, comprising 10 percent of the total. Those species had total CPUEs of 6 and 4, respectively.

Because the number of trawls per station varied, CPUE per station was calculated as the number of individuals per trawl for comparison of abundance and composition between station and sampling event (Tables 3.2.3.1-6 through 3.2.3.1-9). The largest total CPUE was 19 invertebrates per trawl in November 2008. The second largest CPUE was 8 in August 2008, followed by a CPUE of 6 in June 2008, and a CPUE of 5 in April 2008.

Station 4 had the higher total CPUE with 31 invertebrates per trawl, whereas Station 3 had a total CPUE of 6. Station 4 also had a higher number of species, with 20, compared to six different species at Station 3.

Crab Trap

Ten crab traps (approximately 16 inches by 9 inches) were baited and deployed within a half-mile radius of each station. Event 1 was conducted in April 2008, Event 2 in June 2008, Event 3 in September 2008, and Event 4 in November 2008.

A total of 66 Florida stone crabs, 16 blue crabs, and 2 crown conch (84 invertebrates total) were collected using crab traps. The Florida stone crab was 84 percent of the total catch, and blue crabs were 15 percent (Table 3.2.3.1-10). The total CPUE was 3 in September 2008 and 1 in June 2008, November 2008, and April 2008 (Table 3.2.3.1-11 through 3.2.3.1-14). Station 3 had the higher total CPUE with 4, whereas Station 4 had a total CPUE of 2. All three species were caught at Station 3 while Florida stone crab and blue crab were caught at Station 4.

3.2.3.2 Zooplankton

Zooplankton in the CREC was collected at Stations 3 and 4 during four sampling events (Table 2.1-3). Zooplankton are the heterotrophic component of the plankton community. The following subsections provide analyses of the mean abundance, averaged over the four sampling events, and spatial, temporal, and diurnal (day/night) differences in mean abundance and species composition. Components of the total zooplankton community discussed below include holoplankton, meroplankton, and ichthyoplankton.

Total Zooplankton

Total zooplankton mean abundance ranged from 20,132 ind/100m³ (Station 3, night) to 89,743 ind/100m³ (Station 4, day). Holoplankton represented about 32 percent, meroplankton about 67 percent, and ichthyoplankton comprised around 1 percent of the total zooplankton community. The taxonomic structure of zooplankton was characterized

by the numerical dominance of Panopeidae (mud) crab larvae and copepods. These two taxa represented from 57 percent (Station 3, day) to 66 percent (Station 3, night) of the station mean zooplankton. Copepods, chaetognath worms, and mysids were collected throughout the study from most stations in day and night sampling and appear to be permanent components of a year-round resident holoplankton community. Meroplankton exhibited the year-round prevalence of invertebrate larvae, such as Panopeidae crabs, brachyuran crabs, Upogebiidae (mud) shrimps, caridean shrimps, and gastropods. Ichthyoplankton were present from all sampling stations and dates, representing 0.4 and 2.8 percent of the total zooplankton in day and night sampling, respectively.

Diversity statistics for total zooplankton were calculated for major taxonomic groups (e.g., classes, orders, families) using the day and night station means. Total zooplankton diversity, evenness, and richness were highest at Station 3 during the day but were highest at Station 4 during the night (Tables 3.2.3.2-1 and 3.2.3.2-2).

Holoplankton

Holoplankton generally increased with distance from the CREC discharge and ranged from 6,370 ind/100m³ at Station 3 (night) to 23,734 ind/100m³ at Station 4 (night) (Figure 3.2.3.2-1). Holoplankton abundance was highest in spring, followed by summer and fall (Figures 3.2.3.2-2 and 3.2.3.2-3).

Holoplankton represented between about 24 and 28 percent of the total zooplankton during the day and between about 32 and 49 percent of the total zooplankton during the night. Copepods were the most numerically dominant taxonomic component during the day and night sampling and represented 64 to 92 percent of the total holoplankton. Chaetognath worms were also abundant in both day and night samples, comprising 30 to 12 percent of the total holoplankton mean, respectively. Appendicularia were collected in low abundance during the day and mysids and Euphausiids were abundant at night.

Meroplankton

Meroplankton generally increased with distance from the CREC discharge. The maximum variation of total meroplankton abundance ranged from 13,505 ind/100m³ at Station 3 (night) to 68,087 ind/100m³ at Station 4 (day) (Figure 3.2.3.2-4). Meroplankton abundance was highest in spring, followed by summer, and fall (Figures 3.2.3.2-2 and 3.2.3.2-3).

Meroplankton represented 71 to 76 percent of the total zooplankton during the day and 47 to 67 percent of the total zooplankton during the night. Panopeidae crab larvae were the most numerically dominant taxonomic component during the day and night sampling at both stations, representing 47 to 61 percent of the total meroplankton during the day and 39 to 56 percent of the mean total meroplankton at night (Figures 3.2.3.2-5 and 3.2.3.2-6). Other prominent taxonomic components of the meroplankton in terms of relative abundance were larvae of brachyuran crabs, Upogebiidae (mud) shrimps, caridean shrimps, and gastropods. Of the prominent meroplankton taxa, abundances were higher at Station 4, except Brachyurans, which were collected in higher abundances at Station 3.

Ichthyoplankton

Ichthyoplankton increased with distance from the CREC discharge. The maximum variation of total ichthyoplankton abundance ranged from 91 ind/100m³ at Station 3 (day) to 1,638

ind/100m³ at Station 4 (night) (Figure 3.2.3.2-7). Ichthyoplankton abundance was highest in spring, followed by summer and fall (Figures 3.2.3.2-2 and 3.2.3.2-3).

The mean abundance of fish eggs varied from 15 ind/100m³ at Station 3 (day) to 1,224 ind/100m³ at Station 4 (night). Engraulidae (anchovy) were the most numerically dominant eggs during the day and night sampling for both stations, accounting for 84 percent of the daytime egg mean and 94 percent of the nighttime egg mean (Figures 3.2.3.2-8 and 3.2.3.2-9). Engraulid eggs represented 59 percent of the total (day and night) ichthyoplankton mean. Egg complexes representing the families of Carangidae, Haemulidae, Merlucciidae, Paralichthyidae, Sciaenidae, and Serranidae were collected in low abundances at both stations during the day. Clupeidae (sardines and menhaden) eggs were collected in low abundances only at Station 3 during the day.

The mean abundance of fish larvae ranged from 76 ind/100m³ at Station 3 (day) to 414 ind/100m³ at Station 4 (night). Two families collectively accounted for 80 percent of the larvae study mean total: Gobiidae and Engraulidae. Gobiidae larvae represented 40 to 48 percent of the larvae mean total in day and night sampling, respectively. Engraulidae larvae was the second most abundant during both the day and night sampling, accounting for 44 and 31 percent of the total larvae mean, respectively. Larvae of Gobiidae and Engraulidae were collected during all of the sampling events, indicating that these are year-round resident populations with continuous reproduction in the near-shore Gulf of Mexico. Larvae of pelagic fishes, including that of Sciaenidae (croakers and drums), Clupeidae (sardines and menhadens), Atherinopsidae (neotropical silversides), and Gerreidae (mojaras) were also collected from both stations. Larvae of small demersal fishes, including representatives of Blenniidae and Achiridae, were common from both sampling stations.

Fish larvae were mostly collected as post larval stages. Post yolk-sac larvae represented 82 and 99 percent of the total fish larvae collected during the day and night, respectively. Members of the family Gobiidae were the most dominant post yolk-sac larvae during the day at Station 3 and night at Station 4 (Figures 3.2.3.2-8 and 3.2.3.2-9). A total of 6 species of gobies were collected as post yolk-sac larvae, including Green goby (*Microgobius thalassinus*), code goby (*Gobiosoma robustum*), clown goby (*Microgobius gulosus*), naked goby (*Gobiosoma bosc*), frillfin goby (*Bathygobius soporator*), and darter goby (*Ctenogobius boleosoma*). Engraulidae post yolk-sac larvae, including bay anchovy (*Anchoa mitchilli*), were the most dominant during the night at Station 3 and during the day at Station 4. Yolk-sac larvae represented 19 and 1 percent of the total fish larvae collected in day and night, respectively. Engraulidae (anchovy) were the most dominant of the identifiable yolk-sac larvae during the day and night at all stations. The only other identifiable yolk-sac larvae taxa collected was Atherinopsidae (neotropical silversides) at Station 4 during the day.

Larvae of commercially or recreationally important fishes including silver perch (*Bairdiella chrysora*), red drum (*Sciaenops ocellatus*), spotted seatrout (*Cynoscion nebulosus*), and southern kingfish (*Menticirrhus americanus*) were collected in low abundances as post yolk-sac larvae.

Diversity statistics for ichthyoplankton were calculated for the lowest practical identification level (i.e., family or species) using the day and night station means. Ichthyoplankton abundance and richness were higher farther offshore (Station 4), but diversity and evenness were highest in the CREC discharge canal (Station 3) (Tables 3.2.3.2-3 and 3.2.3.2-4). The

lower diversity indices at Station 4 during the day and night resulted from the highest mean abundances strongly dominated by Engraulid eggs and larvae.

3.2.3.3 Fisheries

Adult and juvenile fish were collected using five different gear types at CREC Stations 3 and 4. Fisheries data were collected using beach seines, otter trawls, gill nets, cast nets, and minnow traps. A total of 1,290 fish representing 63 different species were collected at the two sampling stations during 4 events. Because the collection success of the different gear types can vary, fisheries data are presented by gear type and abundance is discussed as both number of individuals caught and on a CPUE basis. Individual catch records are presented in Appendix B, and summary tables present CPUE data by event and for the entire sampling period (April 2008 to November 2008).

Beach Seine

Shoreline fishes were sampled using a ¼-inch mesh, 50-foot seine with a 6- X 6- X 6-foot bag. Beach seine samples were collected only at CREC Station 3 due to the availability of shoreline. Event 1 was conducted in May 2008, Event 2 in July 2008, Event 3 in August and September 2008, and Event 4 in November 2008.

A total of 664 individuals representing 13 fish species were collected at CREC Station 3 using beach seines. Four of these species were killifishes (goldspotted, longnose, gulf, and marsh), two were mojarras (spotfin and tidewater), and two were needlefishes (redfin and Atlantic). Other species caught included tidewater silversides, sheepshead minnows, white mullet, leatherjacket, and halfbeaks. The killifishes accounted for about 60 percent of the total catch, and the mojarras counted for 18 percent (Table 3.2.3.3-5). The tidewater silversides and sheepshead minnows were also relatively abundant, at 13 and 6 percent respectively. The dominant species collected were typical inhabitants of coastal salt marshes.

CPUE per station was calculated by the number of individuals per beach seine haul for comparison of abundance and composition between station and sampling event (Tables 3.2.3.3-1 to 3.2.3.3-5). The total CPUE increased from 49 in May 2008 to 85 in July 2008, 91 in August 2008, and 104 in November 2008. No single species dominated the sampling events over the entire sampling year, but each event had one or two dominant species. In May 2008, the goldspotted killifish was the most abundant species caught, with a CPUE of 38. The longnose killifish (CPUE 37) and tidewater mojarra (CPUE 24) were the dominant species caught in July 2008, the tidewater silverside (CPUE 35) was the most abundant species caught in August 2008, and the goldspotted killifish (CPUE 96) was the most abundant species caught in November 2008.

Trawl

Trawling was conducted to assess demersal fish species near the bottom of the water column. Trawling was conducted at CREC Stations 3 and 4 within a half-mile radius of each station. Event 1 was conducted in April 2008, Event 2 in June 2008, Event 3 in August 2008, and Event 4 in November 2008.

A total of 391 individuals representing 20 fish species were collected using trawls. Silver perch, pinfish, and pigfish were the only species present in every sampling event, and silver perch and pinfish were consistently among the most abundant species sampled, except in

November 2008, which was dominated by spotfin mojarra (Table 3.2.3.3-10). Silver perch comprised 37 percent of the total catch for all four events combined, and pinfish comprised 17 percent of the total catch. Spotfin mojarra, although only present in two of the sampling events and only dominant in November 2008, comprised 25 percent of the total catch. Pigfish and Atlantic bumper comprised an additional 6 percent each.

Because the number of trawls per station varied, CPUE per station was calculated by number of individuals per trawl for comparison of abundance and composition between station and sampling events (Tables 3.2.3.3-6 to 3.2.3.3-9). The highest total CPUE was 99 in August 2008. The next highest CPUE was in November 2008 at 48, followed by 34 in April 2008, and 17 in June 2008. Pinfish was the most abundant species caught in April 2008, with a CPUE of 21. Silver perch was the most abundant species caught in June 2008 and August 2008, with CPUEs of 8 and 59, respectively. The most abundant species caught in November 2008 was the spotfin mojarra, with a CPUE of 45.

Across all sampling events, Station 4 had a greater abundance of total species caught, as well as a greater variety of species in every event (Table 3.2.3.3-10). The total CPUE for all four events for Station 3 was 11, and for Station 4 was 187. The total CPUE at Station 3 declined from 6 during April 2008 to 3 in June 2008 and 2 in August 2008 and declined further to 0.5 in November 2008. The total CPUE at Station 4 showed no discernible trend, and was 97 in August 2008, 48 in November 2008, 28 in April 2008, and 15 in June 2008. Seven different species were caught at Station 3, while 16 different species were caught at Station 4.

Gill Net

Gill nets 75 feet long and 6 feet deep with varying mesh sizes were deployed within a half-mile radius of CREC Stations 3 and 4. Event 1 was conducted on May 2008, Event 2 in June 2008, Event 3 in August and again on September 2008, and Event 4 in November 2008.

A total of 107 individuals representing 24 fish species were collected using gill nets. Gill nets had a varied catch success between events. The most abundant species was yellowfin menhaden with 18 percent of the total catch for all four events combined, but that species was only caught in November 2008 (Table 3.2.3.3-15). Black drum was the next most abundant fish caught, with 12 percent of the total catch for all events. Other abundant species were Atlantic thread herring, pinfish, and spinner shark, with total approximate CPUEs of 10, 9, and 9, respectively.

Because the net soak times varied, CPUE per station was calculated by number of individuals per day for comparison of abundance and composition between station and sampling event (Tables 3.2.3.3-11 to 3.2.3.3-14). Total CPUE was relatively low in May 2008 at 20, no catch was obtained in June 2008, and total CPUE increased dramatically to 91 in August 2008 and 206 in November 2008. The most abundant species in May 2008 was hardhead catfish, with a CPUE of 7, and this species had 7 percent of the total catch for all events. The most abundant species in August 2008 was black drum with a CPUE of 33, and yellowfin menhaden was dominant in November 2008 with a CPUE of 58.

Station 4 had a total CPUE of 214 for all events, and Station 3 had a total CPUE of 104 (Table 3.2.3.3-15). The results for the first three events were comparable between the stations, but in November 2008 Station 4 had a much larger total CPUE than Station 3 (Tables 3.2.3.3-11 to

3.2.3.3-14). In November, total CPUE was 48 at Station 3 and 158 at Station 4. The difference was due mostly to the catch of yellowfin menhaden. Except in May, Station 4 consistently had a larger number of species than Station 3. A total of 23 different species were caught at Station 4, and nine different species were caught at Station 3.

Cast Net

Cast netting was conducted at various locations within a half-mile radius of CREC Stations 3 and 4. Cast nets with 6-foot and 7-foot radii and with 5/8 inch- and 1-inch mesh sizes were used, and nets were thrown a minimum of 40 times and a maximum of 50 times from a boat. Event 1 was conducted in April 2008, Event 2 in June 2008, Event 3 in August 2008, and Event 4 in November 2008.

A total of 87 individuals representing 18 fish species were collected using cast nets. White mullet and striped mullet were consistently the most abundant species caught. Striped mullet was caught during all events and accounted for 35 percent of the total catch (Table 3.2.3.3-20). White mullet were collected during all events except August 2008, and accounted for 24 percent of the total catch for all events.

Because the number of casts per station varied, CPUE per station was calculated by number of individuals per 25 casts for comparison of abundance and composition between station and sampling event (Tables 3.2.3.3-16 to 3.2.3.3-19). Total CPUE for each event was similar for the first three sampling events, with values of 12 in April 2008, June 2008, and August 2008. Total CPUE declined to 7 in November 2008. The most abundant species caught in April 2008 was white mullet with a CPUE of 7. The most abundant species caught in June 2008, August 2008, and November 2008 was striped mullet, with approximate CPUEs of 3, 6, and 2, respectively.

Station 3 CPUE totaled 26 for all four events and Station 4 had a total CPUE of 16 (Table 3.2.3.3-20). A total of nine different species were caught at Station 3, and 14 different species were caught at Station 4.

Mullet, which are readily observed at the surface, were more easily targeted by cast nets than other species. Other species caught by cast net with a CPUE of 2 or greater in any single event were Atlantic bumper, blue runner, and Atlantic silverstripe halfbeak (Tables 3.2.3.3-16 to 3.2.3.3-19).

Minnow Trap

Ten minnow traps (approximately 16 inches by 9 inches) were baited and deployed within a half-mile radius of CREC Stations 3 and 4. A total of 27 individuals representing eight fish species were collected using minnow traps. Event 1 was conducted in May 2008, Event 2 in June 2008, Event 3 in September 2008, and Event 4 in November 2008.

Few individuals and species were caught using minnow traps during the sampling events. Pinfish was the most common fish caught and was 39 percent of the total catch across all four events (Table 3.2.3.3-25). Pigfish was the second most abundant fish caught, with 23 percent of the total catch.

Because the trap soak time varied, CPUE per station was calculated by number of individuals per day for comparison of abundance and composition between station and sampling event (Tables 3.2.3.3-21 to 3.2.3.3-24). The highest total CPUE during all of the

sampling events was 1 in May 2008 and June 2008, reflecting the consistently low number of individuals caught by this gear type. Species specific to the minnow trap sampling technique at CREC sampling stations were a species of goby, Florida blenny, and naked goby.

3.3 Old Withlacoochee River Segment

3.3.1 Physical Description

The OWR segment is a natural, meandering stream approximately 66- to 98-feet wide with deeper water at the outside bends of each meander and shallow waters on the inside bends. Flow and velocity are highly variable, with dry weather flows resulting in slowly flowing water and wet weather flows resulting in releases over the Inglis Dam causing strong flows. The bottom of the channel is periodically scoured by the higher flows, and the center of the channel is mostly scoured down to the bedrock. Sediment, mostly sand mixed with organic materials, lines the edges of the scoured channel. Submerged aquatic vegetation (SAV) was sparsely present on the margins of the stream channel in the upper portion of the OWR.

Total Organic Carbon and Particle Size

Sediment samples were collected at three stations (CFBC Stations 8, 9, and 10) in the OWR between the CFBC and Inglis Dam. CFBC Station 8 is located near the confluence of the OWR with the CFBC, CFBC Station 9 is located mid-way along the OWR, and CFBC Station 10 is located below the Inglis Dam (Figure 2-3). Physical sediment data were collected from these stations during a single sampling event (June/July, 2008). The presence of limestone near the sediment surface prevented replicate sample collection in the center of the channel at CFBC Station 9. TOC and particle size characteristics were variable among replicates at each station, covering a wide range of values. Sediment data for the OWR sampling event are presented in Appendix C.

TOC was comparable among the three stations with an average of 38,633 mg/kg (Table 3.3.1-1). Average TOC at the three OWR stations was somewhat lower than the three stations in the CFBC (CFBC Stations 1, 2, and 3). Particle size characteristics at CFBC Station 8 nearest the confluence of the OWR with the CFBC were similar to those of CFBC Stations 1, 2, and 3. Sand content at CFBC Station 8 was the lowest of the three OWR stations (38.9 percent) and had the highest silt content (42.6 percent). Sand content increased away from the confluence at CFBC Station 9 (61.3 percent) and at CFBC Station 10 (70.1 percent) as silt content generally decreased (14.6 and 22.7 percent, respectively).

3.3.2 Water Quality

Field parameters and analytical water quality samples were collected from three stations in the OWR (CFBC Stations 8, 9, and 10) during two sampling events (June 2008 and August 2008). The August 2008 event occurred shortly after Tropical Storm Faye passed through Central Florida resulting in the Inglis Dam spillway being opened to relieve floodwaters. Data collected and samples taken during the August 2008 event occurred while the OWR was above typical stage.

Field Parameters

Salinity Profile

Average salinity values collected at specific depth intervals of 0.15, 1.0, 2.0, and 3.0 m for the three OWR stations are illustrated in Figure 3.3.2-1. These data are presented in a downstream to upstream order, ranging from CFBC Station 8 near the confluence of OWR with the CFBC, to CFBC Station 10, which is located below the Inglis Dam. Salinity data for OWR sampling events are presented in Appendix C.

Salinity in the OWR was generally lower (Table 3.3.2-1) than the salinity measured in the CFBC (CFBC Stations 1, 2, 3, and 4). Freshwater conditions (0.15 pss average) existed at both CFBC Station 9 and CFBC Station 10 during the June event, with more saline conditions at CFBC Station 8 nearest the CFBC confluence (4 pss average). A salt wedge was present at the 2.0- and 3.0-m sample intervals during the June 2008 event at CFBC Station 8, with salinity ranging from about 10 to 12 pss. Freshwater conditions (0.16 pss) existed at all three OWR stations during the August 2008 event due to high volume releases from the Inglis Dam.

Temperature Profile

Vertical profiles of average water temperature at the three OWR stations (CFBC Stations 8, 9, and 10) show little variation with depth (Figure 3.3.2-2). Water temperature slightly decreased with increasing depth. Average temperature variation between stations was less than 1°C (Table 3.3.2-2). Average water temperature across all stations was highest during the June 2008 event. Temperature data for OWR sampling events are presented in Appendix C.

Dissolved Oxygen, pH, and Water Clarity

Average DO values at the OWR stations (CFBC Stations 8, 9, and 10) are illustrated in Figure 3.3.2-3. In addition, Table 3.3.2-3 summarizes the results for DO, as well as pH and water clarity (i.e., Secchi depth), at each OWR station. DO, pH, and water clarity data for OWR sampling events are presented in Appendix C.

DO varied little between stations but varied significantly between sampling event. Average DO ranged from a 4.13 mg/L at CFBC Station 8 in June 2008 to 8.86 mg/L at CFBC Station 8 in August 2008. Higher DO in August 2008 can be attributed to the high volume releases from the Inglis Dam. In general, DO concentrations were highest near the water surface and lowest at the bottom of the water column. Average DO was highest at CFBC Station 9. A low DO value of 1.93 mg/L was recorded at CFBC Station 8 during the June 2008 sampling event at the 2.0-m depth.

The pH results were similar along the OWR. Values generally decreased slightly with increasing depth, but little variation between stations (< 1.0 SU) was observed.

Water clarity generally increased with distance from the Inglis Dam. The highest water clarity occurred at CFBC Station 8 (1.52 m), with the lowest water clarity occurring at CFBC Station 10 (1.05 m).

Analytical

Water quality analytical samples were collected in the OWR at three stations (CFBC Stations 8, 9, and 10) during two sampling events (June and August, 2008). CFBC Station 8 is located near the confluence of OWR with the CFBC; CFBC Station 9 is located mid-way along the

OWR; and CFBC Station 10 is located below the Inglis Dam. All samples were collected at the mid-depth of each station.

Ammonia concentrations were generally similar at all OWR stations for both sampling events (Figure 3.3.2-4). Concentrations ranged from 0.07 mg/L at CFBC Station 8 during the June, 2008 sampling event to 0.022 mg/L at CFBC Station 10 during the August, 2008 sampling event.

Nitrate + nitrite concentrations were generally consistent among the three stations ranging from 0.027 to 0.032 mg/L (Figure 3.3.2-5) except at CFBC Station 10 during the August, 2008 sampling event (0.0001 mg/L). Concentrations showed no trend downstream from the Inglis Dam among stations.

The highest TKN concentration (1.50 mg/L) occurred at CFBC Station 1 during the August, 2008 sampling event, while the lowest occurred at CFBC Station 9 during the June, 2008 sampling event (Figure 3.3.2-6). Highest concentrations on both sampling events occurred at Station 8. TKN concentrations at each station were higher in August 2008 than in June 2008.

Total nitrogen was highest (1.82 mg/L) at CFBC Station 8 and lowest (0.59 mg/L) at CFBC Station 9 during the August, 2008 and June, 2008 sampling events, respectively (Figure 3.3.2-7). Total nitrogen showed a decreasing trend downstream from the Inglis Dam during both sampling events.

Total phosphorus concentrations were generally low at each of the OWR stations. Concentrations ranged from 0.029 mg/L at CFBC Station 10 to 0.013 mg/L at CFBC Station 8 (Figure 3.3.2-8). Concentrations showed no trend downstream from the Inglis Dam among stations.

Chlorophyll *a* concentrations measured in June 2008 and August 2008 ranged between 41.6 mg/m³ at CFBC Station 10 and 27.9 mg/m³ at CFBC Station 8 (Figure 3.3.2-9). Chlorophyll levels were higher during the June 2008 at all stations. Concentrations showed no trend downstream from the Inglis Dam among stations.

Overall mid-depth TDS values were low, ranging from a high at CFBC Station 8 (640 mg/L), to a low at CFBC Station 9 (100 mg/L) (Appendix C). The highest concentration was recorded at Station 8 during the June 2008 sampling event. TDS values showed no trend downstream from the Inglis Dam among stations.

TSS concentrations in OWR were low and did not exceed 4 mg/L during the June 2008 and August 2008 sampling events (Figure 3.3.2-10). No spatial or temporal trends were noted for TSS at the OWR stations.

3.3.3 Biological Characterization

Aquatic sampling was conducted from May 2008 to July 2008 to characterize the biological community along the OWR. Sampling included the collection of benthic invertebrates and fish using various sampling techniques. These data are summarized in the following subsections. Biological data for the OWR sampling event are presented in Appendix C.

3.3.3.1 Benthic Invertebrate

Benthic invertebrate samples were collected using a Petite Ponar dredge and crab traps.

Benthic Infauna

One set of triplicate macroinvertebrate samples was collected at each of OWR Stations 8, 9, and 10 during June-July 2008.

The benthic infauna collected at the three stations included both marine and freshwater taxa (Table 3.3.3.1-1 and 3.3.3.1-2, Figure 3.3.3.1-1). Samples collected in the upper reach of the OWR at Station 10 were dominated by freshwater oligochaete worms and dipteran larvae and contained isopods and caddisflies (Trichoptera). Station 10 had the highest number of taxa (44) and density (25,158 ind/m²). Oligochaete and dipteran worms accounted for 88 percent of the infauna collected at Station 10. Station 9 had few taxa (13) and the lowest density (3,028 ind/m²), characteristics typical of areas with more variable salinity levels. Station 8, the station closest to the higher salinity waters of the CFBC, had a higher density (6,932 ind/m²) than Station 9 due to relatively high numbers of a few euryhaline species of dipteran midges. Stations 8 and 9 both presented relatively high numbers of marine polychaete worms and bivalves.

The presence of certain taxonomic groups demonstrates the affect of salinity on the benthic infauna composition from OWR Station 8, upstream to Station 10 (Table 3.3.3.1-2). The freshwater amphipod (*Hyalella azteca*), the entire complex of freshwater oligochaete worms, and the freshwater caddisfly (*Oectis inconspicua*) were only collected at Station 10 in the upper freshwater reaches of the OWR. The number of dipteran midge species groups collected at Station 10 far exceeded the number of species groups of dipterans collected at Stations 8 and 9. The false dark mussel (*Mytilopsis leucophaeata*), which typically inhabits more brackish water habitats, was collected at Stations 8 and 9, but not at Station 10.

Motile Invertebrates

Crab Traps

Crab trap efforts at the OWR Stations 8, 9, and 10 produced very few motile invertebrates. Only one blue crab was collected (from Station 10).

3.3.3.2 Fisheries

Adult and juvenile fish were collected using four different gear types at OWR Stations 8, 9, and 10. Fisheries data were collected using beach seines, gill nets, cast nets, and minnow traps during one event (May 2008 to June 2008). Because the collection success of the different gear types can vary, fisheries data are presented by gear type, and abundance is discussed as both number of individuals caught and on a CPUE basis. Individual catch records are presented in Appendix C, and summary tables present CPUE data for the entire sampling period (May 2008 to June 2008).

Across all fish sampling techniques, the fish collected in the upper reaches of the OWR near the Inglis Dam (Station 10) are known to prefer freshwater conditions and to be regularly collected in freshwater settings. The fish collected in the lower reaches of the OWR near its junction with the CFBC (Station 8) are known to be euryhaline and to be regularly collected in waters with higher salinities. The lower numbers of fish and number of fish species

collected at the transition mid-reaches of the OWR (Station 9) reflect the variable nature of salinity levels in this stream reach.

Beach Seine

A total of 60 individuals representing 9 fish taxa were collected using beach seines. CPUE per station was calculated by the number of individuals per beach seine haul for comparison of abundance and composition between stations. Station 10 had the highest CPUE with 23 individuals, followed by Station 8 with 6 individuals (Table 3.3.3.2-1). Station 10 had the highest number of species (7). Only two fish were collected in the two beach seines conducted at Station 9, for a CPUE of 1. Seminole killifish was the most dominant taxa, accounting for 33 percent of the CPUE for all three stations. All 20 Seminole killifish were collected at Station 10. Largemouth bass were only collected at Stations 9 and 10 and comprised 30 percent of the total CPUE. The fish collected at Station 10 near the Inglis Dam (Seminole killifish, largemouth bass, inland silversides, an unidentified sunfish species [poor condition], mosquito fish, and sailfin molly) are known to prefer fresh water conditions. Only one largemouth bass was collected at the transition station (Station 9), and the fish collected in the lower OWR channel near the CFBC (inland silverside, mojarra, and pinfish) have been commonly collected in more saline waters in the CFBC and near shore Gulf waters.

Cast Net

A total of 19 individuals representing 11 fish taxa were collected using cast nets. CPUE per station was calculated by number of individuals per 25 casts for comparison of abundance and composition between stations. Station 8 had a total CPUE of 4 and six different species. Station 10 also had a total CPUE of 4 and five different fish species. Station 9 had a total CPUE of 2 and two different species. Bay anchovy and tidewater mojarra were the dominant species overall at OWR stations, each comprising 16 percent of the total catch. The fish collected using cast nets at Station 10 in the upper reaches of the OWR (catfish species, Florida gar, Seminole killifish, red ear sunfish, and sailfin armored catfish) are known to prefer freshwater conditions. Fish collected at Stations 8 and 9 (Bay anchovy, Tidewater mojarra, Sheepshead, Pinfish, and Scaled sardine) have been commonly collected in more saline waters in the CFBC and near shore Gulf.

Minnow Trap

A total of 104 individuals representing 5 fish species were collected using minnow traps. Since the trap soak time varied, CPUE per station was calculated by number of individuals per day for comparison of abundance and composition between stations. Station CPUE ranged from 0 to 10 individuals per day (Table 3.3.3.2-3). Station 10 had the highest CPUE (10) and number of species (3). Station 9 had the second highest CPUE with 0.4 individual, represented by 2 fish species. No fish were collected at Station 8 in minnow traps. The Bluefin killifish was the most dominant species, accounting for 93 percent of the total CPUE and collected only at Station 10. The fish collected using minnow traps at Station 10 (Bluefin killifish, Swamp darter, and sunfish species) are known to prefer freshwater conditions. The largemouth bass and redbreast sunfish collected at Station 9 are known to prefer freshwater conditions, possibly reflecting the variable salinity values at this transition station and with no fish collected in the minnow traps in the lower portion of the OWR.

4 Threatened and Endangered Species

The potential for federally and state-listed species to occur at the three sampled areas (CFBC, CREC discharge area, and the OWR remnant segment) was evaluated using published species lists, online database searches, and field observations. Aquatic habitats within the vicinity of the proposed project site were also evaluated with emphasis on natural communities known to support federally or state-listed species.

Most federally listed wildlife species are protected under the auspices of the U.S. Fish and Wildlife Service (USFWS). The Florida Fish and Wildlife Conservation Commission (FWC) maintains jurisdiction over most state-listed fish and wildlife species. In addition to regulatory agencies, the Florida Natural Areas Inventory (FNAI), with funds from the FDEP, maintains a database of information on federally and state-listed plant and animal species and their habitats. This database, supplemented by agency information, served as the basis for the list of protected species and habitats that potentially occur in the study area.

Eight federally listed threatened or endangered aquatic species were either directly observed or identified from the published listings as having the potential to occur in the vicinity of the project site (Table 4-1) (Florida Fish and Wildlife Conservation Commission, 2007). Nine State of Florida listed endangered, threatened, or species of special concern were either observed or identified as having the potential to occur in the vicinity of the project site. No federally or state-listed species that are currently proposed for listing were found to have the potential to occur within the project vicinity.

Of the federal and state endangered, threatened, or species of concern, West Indian manatee, American alligator, and sea turtles were observed in the project area (Tables 4-2 and 4-3). No Gulf sturgeon (*Acipenser oxyrinchus desotoi*) or smalltooth sawfish (*Pristis pectinata*) were collected or observed during the sampling period. Manatees were observed almost year round along the entire length of the CFBC and CREC discharge canal. Manatees were common in the CREC discharge near Station 3 in November 2008. Manatees were also observed in May 2008, June 2008, and July 2008 in the saline and freshwater reaches of the OWR segment. Alligator observations were limited to one occasion at night in the CFBC and OWR segments. Sea turtle observations were brief, with only a head visible above the water surface, so species could not be identified. These brief encounters occurred in September 2007, October 2007, and December 2007 at CFBC Station 7 in the Gulf of Mexico and in August 2008 and November 2008 in the CREC.

5 References

CH2M HILL. 2007. "COLA Aquatic Sampling Workplan for Levy County Site" Progress Energy Florida (338884-WKPL-003). Revision 0. September 5.

Florida Fish and Wildlife Conservation Commission. 2007. "Florida's Endangered Species, Threatened Species, and Species of Special Concern."

Mote Marine Laboratory. 1995. "1995 Summary Report for: Crystal River 3 Year NPDES Monitoring Project."

Table 2.1-1
Summary of Aquatic Ecology Sampling in the Cross Florida Barge Canal, Stations 1 through 7

Parameter	Methods	No. of Sampling Events	No. of Stations	No. Samples at Each Station	Total Samples
Water Quality, Field – Multiple Parameters	YSI multiprobe meter	5 to 37*	7	Sampled at 1 meter depth intervals; varies by station	159
Water Quality, Analytical – Multiple Parameters	Peristaltic pump and tubing	4 to 8*	7	1 to 3	181
Sediment Grain Size and TOC	Petite Ponar Grab	2 for Sta. 1,2,3,4 1 for Sta. 5,6,7	7	3	33
Benthic Infauna	Petite Ponar Grab	4 for Sta. 1,2,3,4 2 for Sta. 5,6,7	7	3	66
Shoreline Macroinvertebrates	Hand picking	2	3	2 replicate samples	12
Motile Megabenthic Invertebrates	Trawl	4	4	2 replicate trawls	32
	Crab Traps	4	4	1 set (5 traps)	16 sets (80 traps)
Zooplankton	330 micron mesh plankton net tows	14	4	2 duplicate tows (2 day and 2 night)	224
Adult Fish	Beach Seine	4	3	2 hauls	24
	Trawls	4	4	2 duplicate trawls	32
	Gill Net	4	4	1 set (3 net sizes)	16 sets (48 deployments)
	Cast Net	4	4	~40 (various net sizes)	~640
	Minnow Traps	4	4	1 set (10 traps)	16 sets (160 traps)
Threatened and Endangered Species Survey	Head Count	Continuous	N/A	1	N/A

* Varied depending on station

Table 2.1-2 (Sheet 1 of 4)
Sampling Dates per Parameter in the Cross Florida Barge Canal

Parameter	Station						
	1	2	3	4	5	6	7
Water Quality, Field	10/16/07	10/16/07	10/16/07	10/16/07	10/16/07	10/16/07	10/16/07
	10/18/07	10/18/07	10/18/07	10/18/07	11/15/07	11/15/07	11/15/07
	10/19/07	10/19/07	10/19/07	10/19/07	11/19/07	11/19/07	11/19/07
	11/15/07	11/15/07	11/15/07	11/15/07	12/5/07	12/5/07	12/5/07
	11/19/07	11/19/07	11/19/07	11/19/07	12/12/07	12/12/07	12/12/07
	12/5/07	12/5/07	12/5/07	12/5/07			
	12/7/07	12/7/07	12/7/07	12/7/07			
	12/12/07	12/12/07	12/10/07	12/10/07			
	4/11/08	4/11/08	12/12/07	12/12/07			
	4/12/08	4/12/08	4/11/08	4/11/08			
	4/21/08	4/21/08	4/12/08	4/12/08			
	4/22/08	4/22/08	4/21/08	4/21/08			
	5/7/08	5/7/08	4/22/08	5/7/08			
	5/8/08	5/8/08	5/7/08	5/22/08			
	5/22/08	5/22/08	5/22/08	5/23/08			
	5/23/08	5/23/08	5/23/08	6/4/08			
	6/4/08	6/4/08	6/4/08				
	6/5/08	6/5/08	6/5/08				

Table 2.1-2 (Sheet 2 of 4)
Sampling Dates per Parameter in the Cross Florida Barge Canal

Parameter	Station						
	1	2	3	4	5	6	7
Water Quality, Field (cont.)	6/20/08	6/20/08	6/20/08	6/20/08			
	6/25/08	6/25/08	6/21/08	6/21/08			
	7/21/08	7/21/08	6/25/08	6/25/08			
	7/22/08	7/22/08	7/21/08	7/21/08			
	8/6/08	8/6/08	7/22/08	7/22/08			
	8/7/08	8/7/08	8/6/08	8/6/08			
	8/27/08	8/27/08	8/7/08	8/7/08			
	9/3/08	9/3/08	8/27/08	8/27/08			
	9/4/08	9/4/08	9/3/08	9/3/08			
	9/15/08	9/15/08	9/4/08	9/4/08			
	10/23/08	10/16/08	9/15/08	9/15/08			
	10/28/08	10/23/08	10/16/08	10/23/08			
	10/29/08	10/28/08	10/23/08	10/28/08			
	11/13/08	11/13/08	10/28/08	11/13/08			
	11/14/08	11/14/08	11/13/08				

Table 2.1-2 (Sheet 3 of 4)
Sampling Dates per Parameter in the Cross Florida Barge Canal

Parameter	Station						
	1	2	3	4	5	6	7
Water Quality, Analytical	10/16/07	10/16/07	10/16/07	10/16/07	10/16/07	10/16/07	10/16/07
	11/19/07	11/19/07	11/19/07	11/19/07	11/19/07	11/19/07	11/19/07
	12/5/07	12/5/07	12/5/07	12/5/07	12/5/07	12/5/07	12/5/07
	12/12/07	12/12/07	12/10/07	12/10/07	12/12/07	12/12/07	12/12/07
	6/25/07	6/25/07	12/12/07	12/12/07			
	8/27/08	8/27/08	6/25/07	6/25/07			
	10/23/08	10/23/08	8/27/08	8/27/08			
			10/23/08	10/23/08			
Grain Size and TOC	10/12/07	10/12/07	10/12/07	10/12/07	10/11/07	10/11/07	10/11/07
	6/19/08	6/19/08	6/19/08	6/20/08			
Benthic Infauna	10/12/07	10/12/07	10/12/07	10/12/07	10/11/07	10/11/07	10/11/07
	12/6/07	12/6/07	12/6/07	12/6/07	12/6/07	12/6/07	12/6/07
	6/19/08	6/19/08	6/19/08	6/20/08	--	--	--
	10/31/08	10/31/08	10/31/08	10/31/08	--	--	--
Shoreline Macroinvertebrates	11/2/07	11/2/07	11/2/07	--	--	--	--
	12/11/07	12/11/07	12/11/07	--	--	--	--

Table 2.1-2 (Sheet 4 of 4)
Sampling Dates per Parameter in the Cross Florida Barge Canal

Parameter	Station						
	1	2	3	4	5	6	7
Motile Invertebrates	10/29 - 11/7/07	10/29 - 11/7/07	10/29 - 11/7/07	10/29 - 11/7/07	--	--	--
Beach seine	12/3 - 12/12/07	12/3 - 12/12/07	12/3 - 12/12/07	12/3 - 12/12/07	--	--	--
Otter trawl	5/12 - 6/19/08	8/25 - 9/5/08	8/25 - 9/5/08	8/25 - 9/5/08	--	--	--
Gill net	8/25 - 9/5/08	8/25 - 9/5/08	8/25 - 9/5/08	8/25 - 9/5/08	--	--	--
Cast net							
Minnow trap							
Zooplankton	10/18/07	10/18/07	10/18/07	10/18/07	--	--	--
	12/7/07	12/7/07	12/7/07	12/7/07	--	--	--
	4/11/08	4/11/08	4/11/08	4/11/08	--	--	--
	4/21/08	4/21/08	4/21/08	4/21/08	--	--	--
	5/7/08	5/7/08	5/7/08	5/7/08	--	--	--
	5/22/08	5/22/08	5/22/08	5/22/08	--	--	--
	6/4/08	6/4/08	6/4/08	6/4/08	--	--	--
	6/20/08	6/20/08	6/20/08	6/20/08	--	--	--
	7/21/08	7/21/08	7/21/08	7/21/08	--	--	--
	8/6/08	8/6/08	8/6/08	8/6/08	--	--	--
	9/3/08	9/3/08	9/3/08	9/3/08	--	--	--
	9/15/08	9/15/08	9/15/08	9/15/08	--	--	--
	10/28/08	10/28/08	10/28/08	10/28/08	--	--	--
	11/13/08	11/13/08	11/13/08	11/13/08	--	--	--

Table 2.1-3
Summary of Aquatic Ecology Sampling in the Crystal River Energy Complex, Stations CREC1 through 4

Parameter	Methods	No. of Sampling Events	No. of Stations	No. Samples at Each Station	Total Samples
Water Quality, Field – Multiple Parameters	YSI multiprobe meter	2 for Sta. CREC 1,2 9 for Sta. CREC 3,4	4	Sampled at 1 meter depth intervals; varies by station	22
Water Quality, Analytical – Multiple Parameters	Peristaltic pump and tubing	2	4	1	8
Sediment Grain Size and TOC	Petite Ponar Grab	2	2	3	12
Benthic Infauna	Petite Ponar Grab	2	2	3	12
Motile Megabenthic Invertebrates	Trawl	4	2	2 replicate trawls	16
	Crab Traps	4	2	1 set (5 traps)	8 sets (40 traps)
Zooplankton	330 micron mesh plankton net tows	4	2	2 duplicate tows (2 day and 2 night)	32
Adult Fish	Beach Seine	4	1	2 hauls	8
	Trawls	4	2	2 duplicate trawls	16
	Gill Net	4	2	1 set (3 net sizes)	8 sets (24 deployments)
	Cast Net	4	2	~40 (various net sizes)	~320
	Minnow Traps	4	2	1 set (10 traps)	8 sets (80 traps)
Threatened and Endangered Species Survey	Head Count	Continuous	N/A	1	N/A

Table 2.1-4
Sampling Dates per Parameter in the Crystal River Energy Complex
Discharge

Parameter	Station			
	1	2	3	4
Water Quality, Field	9/2/08	9/2/08	4/22/08	4/22/08
	11/17/08	11/17/08	6/19/08	6/19/08
			9/2/08	9/2/08
			9/3/08	9/3/08
			11/13/08	9/4/08
				11/13/08
Water Quality, Analytical	9/2/08	9/2/08	9/2/08	9/2/08
	11/17/08	11/17/08	11/17/08	11/17/08
Grain Size and TOC			7/22/08	7/22/08
			11/14/08	11/13/08
Benthic Infauna			7/22/08	7/22/08
			11/14/08	11/13/08
Motile Invertebrates			4/17 - 5/2/08	4/17 - 5/2/08
Beach seine				
Otter trawl			6/10 - 6/13/08	6/10 - 6/13/08
Gill net			8/28 - 9/5/08	8/28 - 9/5/08
Cast net				
Minnow trap			11/10 - 11/14/08	11/10 - 11/14/08
Ichthyo- and meroplankton ^h			4/22/08	4/22/08
			6/19/08	6/19/08
			9/3/08	9/3/08
			11/13/08	11/13/08

Table 2.1-5
Summary of Aquatic Ecology Sampling in the Old Withlacoochee River, Stations 8, 9, and 10

Parameter	Methods	No. of Sampling Events	No. of Stations	No. Samples at Each Station	Total Samples
Water Quality, Field – Multiple Parameters	YSI multiprobe meter	2 for Sta. 9 4 for Sta. 8 and 10	3	Sampled at 1 meter depth intervals; varies by station	10
Water Quality, Analytical – Multiple Parameters	Peristaltic pump and tubing	2	3	1	6
Sediment Grain Size and TOC	Petite Ponar Grab	1	3	3	9
Benthic Infauna	Petite Ponar Grab	1	3	3 at Sta 8 2 at Sta 9 and 10	7
Motile Megabenthic Invertebrates	Crab Traps	1	3	1 set (5 traps)	3 sets (15 traps)
Adult Fish	Beach Seine	1	3	2 hauls	6
	Gill Net	1	3	1 set (3 net sizes)	3 sets (9 deployments)
	Cast Net	1	3	~40 (various net sizes)	~120
	Minnow Traps	1	3	1 set (10 traps)	3 sets (30 traps)
Threatened and Endangered Species Survey	Head Count	Continuous	N/A	1	N/A

Table 2.1-6
Sampling Dates per Parameter in the Old Withlacoochee River Segment

Parameter	Station		
	8	9	10
Water Quality, Field	6/4/08	6/25/08	6/4/08
	6/25/08	8/27/08	6/25/08
	8/27/08		8/27/08
Water Quality, Analytical	6/25/08	6/25/08	6/25/08
	8/27/08	8/27/08	8/27/08
Grain Size and TOC	7/9/08	6/20/08	6/20/08
Benthic Infauna	7/9/08	6/20/08	6/20/08
Motile Invertebrates			
Beach seine			
Gill net	5/27 - 6/20/08	5/27 - 6/20/08	5/27 - 6/20/08
Cast net			
Minnow trap			

**Table 3.1.2-1
Summary of Sediment Characteristics in the CFBC and Nearshore Gulf of Mexico**

Station	Description	TOC (mg/kg)	Particle Size (percent)			
		[Range]	[Range]			
			Gravel	Sand	Silt	Clay
CFBC 1	0.5 mi. west of Inglis Lock in CFBC	60,714 [51,000 - 70,000]	0.0 [0.0 - 0.1]	26.9 [17.9 - 45.5]	49.2 [35.0 - 59.7]	23.8 [11.1 - 35.0]
CFBC 2	3.5 mi. west of Inglis Lock in CFBC	48,714 [39,000 - 64,000]	0.2 [0.0 - 1.2]	6.5 [0.6 - 16.5]	60.7 [51.3 - 71.9]	32.7 [16.3 - 47.1]
CFBC 3	7.0 mi. west of Inglis Lock in CFBC	45,286 [35,000 - 59,000]	0.1 [0.0 - 0.6]	17.8 [4.8 - 26.2]	53.0 [42.6 - 62.9]	29.2 [16.6 - 45.6]
CFBC 4	0.5 mi. west of CFBC mouth	7,417 [1,700 - 18,000]	1.3 [0.0 - 3.0]	86.4 [73.9 - 93.2]	5.2 [1.3 - 11.5]	7.2 [1.6 - 11.7]
CFBC 5	3 mi. west of CFBC mouth	3,575 [3,100 - 4,800]	12.3 [3.3 - 19.2]	82.6 [76.3 - 91.2]	1.7 [1.4 - 2.0]	3.4 [2.8 - 4.1]
CFBC 6	5 mi. west of CFBC mouth	4,567 [3,700 - 5,500]	2.2 [0.1 - 6.1]	90.8 [89.2 - 92.1]	2.9 [2.2 - 4.3]	4.1 [2.5 - 5.6]
CFBC 7	7 mi. west of CFBC mouth	4,533 [3,700 - 5,400]	19.6 [5.9 - 43.7]	75.9 [51.9 - 89.7]	1.9 [1.4 - 2.4]	2.6 [2.0 - 3.0]

Notes:

All results are an average of three station replicates as well as TOC field duplicates during two sampling events at Stations 1, 2, 3, and 4 and one sampling event at Stations 5, 6, and 7.

Particle size distribution for each station may not equal 100 percent due to rounding.

CFBC = Cross Florida Barge Canal

mg/kg = milligram per kilogram

mi. = mile

TOC = Total Organic Carbon

Table 3.1.2-2
Summary of Average Temperature Data in the CFBC and Nearshore Gulf of Mexico During Three Individual Sampling Events

Date	10/16/2007					11/15/2007					12/12/2007				
Depth (m)	0.15	1.0	2.0	3.0	4.0	0.15	1.0	2.0	3.0	4.0	0.15	1.0	2.0	3.0	4.0
Average CFBC Station Temp. (°C)	26.70	26.33	25.66	25.48	25.41	21.50	21.12	20.27	19.73	19.68	21.72	21.28	20.98	20.92	20.88
Average Nearshore Gulf of Mexico Station Temp. (°C)	25.22	25.18	25.04	25.14	25.18	19.44	19.19	19.09	18.95	18.96	21.00	20.75	20.60	20.43	20.42

Notes:

°C = degrees Celsius

CFBC = Cross Florida Barge Canal

m = meter

Table 3.1.2-3
Summary of Dissolved Oxygen, pH, and Water Clarity Data in the CFBC and Nearshore Gulf of Mexico

Station ID	Description	Average DO (mg/L) [Range]	pH Range (SU)	Average Secchi depth (m) [Range]
CFBC 1	0.5 mi. west of Inglis Lock	5.15 [0.21 - 13.04]	6.63 - 8.63	1.29 [0.94 - 1.60]
CFBC 2	3.5 mi. west of Inglis Lock	5.82 [0.42 - 11.71]	7.04 - 8.88	1.28 [0.47 - 1.94]
CFBC 3	7.0 mi. west of Inglis Lock	5.79 [1.09 - 9.04]	7.12 - 8.35	1.30 [0.92 - 1.63]
CFBC 4	0.5 mi. west of CFBC mouth	6.11 [3.46 - 11.98]	7.20 - 8.43	1.32 [0.83 - 1.68]
CFBC 5	3 mi. west of CFBC mouth	6.61 [4.10 - 9.00]	7.98 - 8.12	1.81 [1.26 - 2.67]
CFBC 6	5 mi. west of CFBC mouth	6.81 [4.20 - 8.90]	7.96 - 8.50	2.01 [1.49 - 2.68]
CFBC 7	7 mi. west of CFBC mouth	6.57 [4.39 - 8.02]	7.86 - 8.46	2.13 [1.49 - 2.73]

Notes:

CFBC = Cross Florida Barge Canal

m = meter

mi. = mile

mg/L = milligram per liter

SU = standard unit

Table 3.1.3.1-1
CFBC Benthic Infauna Study Mean Density and Composition per Station

Major Taxon	Mean Abundance (Number of Individuals per m ²)							Mean Total	Percent Composition
	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6	Station 7		
Polychaeta	43	13,455	5,134	6,336	10,506	3,954	6,666	46,095	74.7
Amphipoda	0	380	18	657	2,598	603	502	4,758	7.7
Oligochaeta	0	7	1,353	671	65	330	309	2,734	4.4
Bivalvia	0	43	50	377	352	294	581	1,697	2.8
Cnidaria	0	4	7	32	50	7	1,349	1,450	2.3
Decapoda	4	43	83	68	388	165	215	965	1.6
Cumacea	0	47	416	97	43	136	50	789	1.3
Gastropoda	7	36	22	176	158	29	230	657	1.1
Nemertea	0	0	50	129	158	86	215	639	1.0
Isopoda	0	0	0	14	237	36	316	603	1.0
Phoronida	0	0	0	301	0	0	0	301	0.5
Echinodermata	0	0	14	79	57	57	86	294	0.5
Tanaidacea	0	0	0	65	136	7	65	273	0.4
Sipuncula	0	0	0	11	14	14	57	97	0.2
Polyplacophora	0	0	0	0	50	0	22	72	0.1
Mysida	0	0	7	22	0	7	14	50	0.1
Chaetognatha	0	0	0	0	7	14	22	43	0.1
Porifera	0	0	0	0	14	7	14	36	0.1
Platyhelminthes	0	0	0	25	7	0	0	32	0.1
Aplacophora	0	0	0	22	0	0	7	29	<0.1
Cephalochordata	0	0	0	0	0	22	7	29	<0.1
Brachiopoda	0	0	0	0	7	14	0	22	<0.1
Annelida	0	0	0	0	0	7	0	7	<0.1
Arachnida	0	0	0	0	0	0	7	7	<0.1
Sessilia	0	0	0	7	0	0	0	7	<0.1
Diptera	0	0	0	4	0	0	0	4	<0.1
Total	54	14,015	7,154	9,092	14,847	5,791	10,735	61,688	100

**Table 3.1.3.1-2
CFBC Benthic ANOVA Results**

Effect	Rank Transformed Results
Main Effects Only	
Station	0.0185
Event	0.0079
Interaction Effects Included	
Station	0.0068
Event	0.0082
Station*Event	0.6309
Note	

Nonsignificant cases are shaded gray

Table 3.1.3.1-3
CFBC Tukey Groupings for Benthic Infauna Densities

Effect	Group	Rank Transformed Results
Station	1	B
	2	A
	3	AB
	4	AB
	5	AB
	6	AB
	7	AB
Event	1	B
	2	B
	3	B
	4	A

Table 3.1.3.1-4
Abundance and Diversity Statistics of Major Benthic Infauna Taxonomic Groups in
the CFBC

Statistic	Station						
	1	2	3	4	5	6	7
Major Taxa	3	8	11	19	18	19	20
Mean Abundance (ind/m2)	54	14,015	7,154	9,092	14,847	5,791	10,735
Shannon Diversity ($H' \log 2$)	0.91	0.31	1.30	1.83	1.54	1.84	2.14
Pielou's Evenness J'	0.57	0.10	0.37	0.43	0.37	0.43	0.49
Margalef's Richness ($d1$)	0.50	0.73	1.13	1.97	1.77	2.08	2.05

Table 3.1.3.1-5 (Sheet 1 of 2)
CFBC Motile Invertebrate Organisms per Station for the Shoreline Handpicked Samples

Phylum	Subphylum	Class	Order	Family	Organism Name	01D	01E	02D	02E	03D	03E	Comments
Annelida		Polychaeta		Capitellidae	Capitella capitata						X	
Annelida		Polychaeta		Capitellidae	Mediomastus sp.					X		
Annelida		Polychaeta	Aciculata	Nereididae	Laeonereis culveri		X	X				
Annelida		Polychaeta	Aciculata	Nereididae	Neanthes succinea	X	X	X		X	X	
Annelida		Polychaeta	Aciculata	Nereididae	Platynereis dumerilii	X	X					
Annelida		Polychaeta	Aciculata	Phyllodoceidae	Phyllodoce sp.				X	X	X	
Annelida		Polychaeta	Canalipalpata	Sebellidae	Sabellidae (Ipil)		X					
Annelida		Polychaeta	Canalipalpata	Spionidae	Boccardiella sp.		X		X	X		
Annelida		Polychaeta	Canalipalpata	Spionidae	Dipolydora socialis					X		
Annelida		Polychaeta	Canalipalpata	Spionidae	Dipolydora sp.						X	
Annelida		Polychaeta	Canalipalpata	Spionidae	Dipolydora sp. A					X		
Annelida		Polychaeta	Canalipalpata	Spionidae	Streblospio sp.		X			X	X	
Annelida		Oligochaeta	Haplotaxida	Tubificidae	Paranais litoralis	X						
Annelida		Oligochaeta	Haplotaxida	Tubificidae	Monopylephorus rubroniveus			X	X		X	
Annelida		Oligochaeta	Haplotaxida	Tubificidae	Tubificidae (Ipil)		X			X		Abundant at 01E.
Arthropoda	Crustacea	Malacostraca	Isopoda	Sphaeromatidae	Cassidinidea ovalis	X	X		X			
Arthropoda	Crustacea	Malacostraca	Isopoda	Cirolanidae	Cirolana parva	X	X	X	X			Abundant at 01D.
Arthropoda	Crustacea	Malacostraca	Isopoda	Ligiidae	Ligia exotica						X	
Arthropoda	Crustacea	Malacostraca	Amphipoda	Talitridae	Talitridae (Ipil)		X		X			
Arthropoda	Crustacea	Malacostraca	Amphipoda	Corophiidae	Apocorophium louisianum	X	X		X			
Arthropoda	Crustacea	Malacostraca	Amphipoda	Melitidae	Melita sp.				X	X	X	Abundant at 03D.
Arthropoda	Crustacea	Malacostraca	Decapoda	Sesarmidae	Armases cinereum	X	X	X	X	X		
Arthropoda	Crustacea	Malacostraca	Decapoda	Xanthidae	Panopeus herbstii			X	X	X	X	Abundant at 02E, 03D, 03E.
Arthropoda	Crustacea	Malacostraca	Decapoda	Xanthidae	Panopeus obesa					X	X	
Arthropoda	Crustacea	Malacostraca	Decapoda	Porcellanidae	Petrolisthes armatus					X	X	Abundant at 03D.
Arthropoda	Crustacea	Malacostraca	Decapoda	Grapsidae	Sesarma reticulatum			X				
Arthropoda	Crustacea	Malacostraca	Decapoda	Ocypodidae	Uca sp.		X	X	X	X	X	

Table 3.1.3.1-5 (Sheet 2 of 2)
CFBC Motile Invertebrate Organisms per Station for the Shoreline Handpicked Samples

Phylum	Subphylum	Class	Order	Family	Organism Name	01D	01E	02D	02E	03D	03E	Comments
Arthropoda	Crustacea	Malacostraca	Decapoda	Xanthidae	Rhithropanopeus harrisii	X	X	X	X	X	X	
Arthropoda	Crustacea	Malacostraca	Decapoda	Tanaidacea	Apseudomorpha (Ipil)					X		
Arthropoda	Crustacea	Malacostraca	Decapoda	Tanaidacea	Leptocheliidae (Ipil)				X	X		
Arthropoda	Crustacea	Malacostraca	Sessilia		Balanus sp.			X	X	X	X	Abundant at 02E, 03D, 03E.
Arthropoda	Crustacea	Malacostraca	Sessilia		Chthamalus fragilis	X	X	X	X	X	X	Abundant at 01D, 02E; Dominant at 01E.
Arthropoda	Chelicerata	Arachnida	Oribatida		Oribatida (Ipil)		X					
Arthropoda		Insecta	Diptera	Chironomidae	Clunio sp.					X		
Arthropoda		Insecta	Diptera	Chironomidae	Dicrotendipes lobus	X	X	X	X			Abundant at 01E, 02E.
Arthropoda		Insecta	Collembola	Hypogastruridae	Anurida maritima	X	X		X			
Mollusca		Gastropoda	Neotaenioglossa	Hydrobiidae	Hydrobiidae (Ipil)		X					
Mollusca		Gastropoda	Neotaenioglossa	Thiaridae	Melanoides turricula		X					
Mollusca		Gastropoda	Neritopsina	Neritidae	Neritina usnea	X	X	X	X			Abundant at 02D, 02E.
Mollusca		Bivalvia	Ostreoida	Anomiidae	Anomia simplex					X		
Mollusca		Bivalvia	Mytiloida	Mytilidae	Brachidontes exustus	X	X	X	X	X	X	Abundant at 02D.
Mollusca		Bivalvia	Veneroida	Crassatellidae	Crassinella sp.			X				
Mollusca		Bivalvia	Ostreoida	Ostreidae	Crassostrea virginica					X	X	
Mollusca		Bivalvia	Mytiloida	Mytilidae	Geukensia demissa				X			
Mollusca		Bivalvia	Mytiloida	Mytilidae	Ischadium recurvum				X	X	X	Abundant at 03D.
Mollusca		Bivalvia	Veneroida	Dreissenidae	Mytilopsis leucophaeata	X	X	X	X	X		Dominant at 01D, 01E; Abundant at 02D, 02E.
Mollusca		Bivalvia	Myoida	Myidae	Sphenia antillensis					X		

Notes:

"D" and "E" = replicate station samples

Abundant = more than 10

Dominant = more than 100

Table 3.1.3.1-6
Motile Invertebrate Trawl CPUE Spatial and Temporal Variation in the CFBC

Common Name	Station 2				Station 3				Station 4				CPUE Total	Percent Composition
	10/31/07	12/4/07	5/14/08	8/25/08	10/31/07	12/4/07	5/14/08	8/25/08	10/31/07	12/4/07	5/14/08	8/25/08		
Blue Crab	1.0	1.0	2.5				4.0						8.5	29.5
Atlantic Brief Squid					0.5	4.0		0.5					5.0	17.4
Pink shrimp	1.0		0.5			0.5	2.0				0.3	0.5	4.8	16.7
Mud crab			1.0									3.5	4.5	15.6
Long-clawed Hermit Crab										2.0			2.0	6.9
Jellyfish			1.5										1.5	5.2
Decorator Crab									1.0				1.0	3.5
Flat-clawed Hermit Crab										0.5			0.5	1.7
Hermit Crab - No Common Name										0.5			0.5	1.7
Ragged Sea Hare										0.5			0.5	1.7
Total CPUE	2.0	1.0	5.5	0.0	0.5	4.5	6.0	0.5	1.0	3.5	0.3	4.0	28.8	100.0

Table 3.1.3.1-7
Motile Invertebrate Trawl CPUE for CFBC Event 1 (10/31/2007 – 11/1/2007)

Common Name	Species Name	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Atlantic Brief Squid	<i>Lolliguncula brevis</i>		0.5		0.5	14.3
Blue Crab	<i>Callinectes sapidus</i>	1.0			1.0	28.6
Pink shrimp	<i>Farfantepenaeus duorarum</i>	1.0			1.0	28.6
Decorator Crab	<i>Stenocionops furcata</i>			1.0	1.0	28.6
Total		2.0	0.5	1.0	3.5	100.0

Table 3.1.3.1-8
Motile Invertebrate Trawl CPUE for CFBC Event 2 (12/4/2007 – 12/11/2007)

Common Name	Species Name	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Atlantic Brief Squid	<i>Lolliguncula brevis</i>		4.0		4.0	44.4
Long-clawed Hermit Crab	<i>Pagurus longicarpus</i>			2.0	2.0	22.2
Blue Crab	<i>Callinectes sapidus</i>	1.0			1.0	11.1
Pink shrimp	<i>Farfantepenaeus duorarum</i>		0.5		0.5	5.6
Flat-clawed Hermit Crab	<i>Pagurus pollicaris</i>			0.5	0.5	5.6
No Common Name	<i>Pagurus annulipes</i>			0.5	0.5	5.6
Ragged Sea Hare	<i>Bursatella leachii</i>			0.5	0.5	5.6
Total		1.0	4.5	3.5	9.0	100.0

Table 3.1.3.1-9
Motile Invertebrate Trawl CPUE for CFBC Event 3 (5/14/2008 – 5/15/2008)

Common Name	Species Name	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Blue Crab	<i>Callinectes sapidus</i>	2.5	4.0		6.5	54.9
Pink shrimp	<i>Farfantepenaeus duorarum</i>	0.5	2.0	0.3	2.8	23.9
Jellyfish	<i>Cyaneidae</i>	1.5			1.5	12.7
Mud crab	<i>Panopeidae</i>	1.0			1.0	8.5
Total		5.5	6.0	0.3	11.8	100.0

Table 3.1.3.1-10
Motile Invertebrate Trawl CPUE for CFBC Event 4 (8/25/2008 – 8/26/2008)

Common Name	Species Name	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Mud crab	<i>Panopeidae</i>			3.5	3.5	77.8
Atlantic brief squid	<i>Lolliguncula brevis</i>		0.5		0.5	11.1
Pink shrimp	<i>Farfantepenaeus duorarum</i>			0.5	0.5	11.1
Total		0.0	0.5	4.0	4.5	100.0

Table 3.1.3.1-11
Motile Invertebrate Crab Trap CPUE Spatial and Temporal Variation in the CFBC

Common Name	Station 1				Station 2				Station 3				Station 4				CPUE Total	Percent Composition
	11/1/07	12/8/07	5/15/08	8/29/08	11/1/07	12/8/07	5/15/08	8/29/08	11/1/07	12/8/07	5/15/08	8/29/08	11/1/07	12/8/07	5/15/08	8/29/08		
Blue Crab				0.1	1.1	1.1	0.5	0.6	1.3	1.3	1.1	1.2	0.3	0.3	0.2	0.05	9.2	100.0
Total	0	0	0	0.1	1.1	1.1	0.5	0.6	1.3	1.3	1.1	1.2	0.3	0.3	0.2	0.05	9.2	100.0

Table 3.1.3.1-12
Motile Invertebrate Crab Trap CPUE for CFBC Event 1 (10/31/2007)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Blue Crab	<i>Callinectes sapidus</i>		1.1	1.3	0.3	2.7	100.0
Total		0.0	1.1	1.3	0.3	2.7	100.0

Table 3.1.3.1-13
Motile Invertebrate Crab Trap CPUE for CFBC Event 2 (12/7/2007)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Blue Crab	<i>Callinectes sapidus</i>		1.1	1.3	0.3	2.7	100.0
Total		0.0	1.1	1.3	0.3	2.7	100.0

Table 3.1.3.1-14
Motile Invertebrate Crab Trap CPUE for CFBC Event 3 (5/15/2008)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Blue Crab	<i>Callinectes sapidus</i>		0.5	1.1	0.2	1.8	100.0
Total		0.0	0.5	1.1	0.2	1.8	100.0

Table 3.1.3.1-15
Motile Invertebrate Crab Trap CPUE for CFBC Event 4 (8/29/2008)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Blue crab	<i>Callinectes sapidus</i>	0.1	0.6	1.2	0.0	1.8	100.0
Total		0.1	0.6	1.2	0.0	1.8	100.0

**Table 3.1.3.2-1
CFBC Zooplankton ANOVA Results**

Effect	Rank Transformed Results
Main Effects Only	
Station	<0.0001
Season	<0.0001
Day/Night	<0.0001
Interaction Effects Included	
Station	<0.0001
Season	<0.0001
Day/Night	<0.0001
Station*Season	<0.0001
Station*Day/Night	0.6922
Season*Day/Night	0.0175

Note:

Nonsignificant cases are shaded gray

Table 3.1.3.2-2
Tukey Groupings for CFBC Zooplankton Densities

Effect	Group	Rank Transformed Results
Station	1	D
	2	C
	3	B
	4	A
Season	Spring	A
	Summer	B
	Fall	C
Day/Night	Day	B
	Night	A

Table 3.1.3.2-3
Daytime Mean Abundance and Diversity Statistics for Major Taxonomic
Zooplankton Groups in the CFBC

Statistic	Study Mean			
	1	2	3	4
Taxa	32	40	60	56
Mean Density (#/100m3)	6,505.23	5,380.38	13,521.87	38,521.37
Shannon Diversity (H'log2)	1.59	1.73	2.63	2.61
Pielou's Evenness J'	0.32	0.32	0.45	0.45
Margalef's Richness (d1)	3.53	4.54	6.20	5.21

Table 3.1.3.2-4
Nighttime Mean Abundance and Diversity Statistics for Major Taxonomic
Zooplankton Groups in the CFBC

Statistic	Study Mean			
	1	2	3	4
Taxa	36	47	48	61
Mean Density (#/100m3)	22,628.21	28,091.67	45,556.06	61,630.70
Shannon Diversity (H'log2)	1.90	1.70	1.34	1.58
Pielou's Evenness J'	0.37	0.30	0.24	0.27
Margalef's Richness (d1)	3.49	4.49	4.38	5.44

**Table 3.1.3.2-5
CFBC Holoplankton ANOVA Results**

Effect	Rank Transformed Results
Main Effects Only	
Station	<0.0001
Season	<0.0001
Day/Night	<0.0001
Interaction Effects Included	
Station	<0.0001
Season	<0.0001
Day/Night	<0.0001
Station*Season	0.2778
Station*Day/Night	0.5280
Season*Day/Night	0.3873

Note

Nonsignificant cases are shaded gray

Table 3.1.3.2-6
Tukey Groupings for CFBC Holoplankton Densities

Effect	Group	Rank Transformed Results
Station	1	C
	2	B
	3	A
	4	A
Season	Spring	A
	Summer	B
	Fall	B
Sampling Period	Day	B
	Night	A

**Table 3.1.3.2-7
CFBC Meroplankton ANOVA Results**

Effect	Rank Transformed Results
Main Effects Only	
Station	<0.0001
Season	<0.0001
Day/Night	0.1035
Interaction Effects Included	
Station	<0.0001
Season	<0.0001
Day/Night	0.1920
Station*Season	0.0328
Station*Day/Night	0.2469
Season*Day/Night	0.4830

Note

Nonsignificant cases are shaded gray

Table 3.1.3.2-8
Tukey Groupings for CFBC Meroplankton Densities

Effect	Group	Rank Transformed Results
Station	1	C
	2	BC
	3	B
	4	A
Season	Spring	A
	Summer	B
	Fall	C
Day/Night	Day	A
	Night	A

**Table 3.1.3.2-9
CFBC Fish Egg ANOVA Results**

Effect	Rank Transformed Results
Main Effects Only	
Station	0.3823
Season	0.0845
Day/Night	0.8669
Interaction Effects Included	
Station	0.1938
Season	0.0945
Day/Night	0.9675
Station*Season	0.0020
Station*Day/Night	0.0807
Season*Day/Night	0.4631

Note:

Nonsignificant cases are shaded gray

**Table 3.1.3.2-10
CFBC Fish Larvae ANOVA Results**

Effect	Rank Transformed Results
Main Effects Only	
Station	0.0014
Season	<0.0001
Day/Night	0.0060
Interaction Effects Included	
Station	0.0454
Season	<0.0001
Day/Night	<0.0001
Station*Season	0.0529
Station*Day/Night	0.0007
Season*Day/Night	0.0565

Note

Nonsignificant cases are shaded gray

Table 3.1.3.2-11
Tukey Groupings for CFBC Fish Larvae Densities

Effect	Group	Rank Transformed Results
Station	1	AB
	2	B
	3	AB
	4	A
Season	Spring	A
	Summer	B
	Fall	C
Day/Night	Day	A
	Night	A

Table 3.1.3.2-12
Daytime Mean Abundance and Diversity Statistics for Ichthyoplankton in the
CFBC

Statistic	Study Mean			
	1	2	3	4
Taxa	17	24	36	35
Mean Density (#/100m3)	40.19	430.92	740.34	1,475.28
Shannon Diversity (H'log2)	2.10	1.79	2.33	2.22
Pielou's Evenness J'	0.51	0.39	0.45	0.43
Margalef's Richness (d1)	4.33	3.79	5.30	4.66

Table 3.1.3.2-13
Nighttime Mean Abundance and Diversity Statistics for Ichthyoplankton in the
CFBC

Statistic	Study Mean			
	1	2	3	4
Taxa	21	34	39	46
Mean Density (#/100m3)	523.31	458.26	1,062.67	888.47
Shannon Diversity (H'log2)	2.51	2.78	2.50	2.96
Pielou's Evenness J'	0.57	0.55	0.47	0.54
Margalef's Richness (d1)	3.19	5.39	5.45	6.63

Table 3.1.3.3-1
Fisheries Beach Seine CPUE for CFBC Event 1 (10/30/2007 – 11/7/2007)

Common Name	Species Name	Station 1	Station 2	Station 3	CPUE Total	Percent Composition
Spotfin Mojarra	<i>Eucinostomus argenteus</i>		14.0	2.0	16.0	61.5
Bay Anchovy	<i>Anchoa mitchilli</i>			3.0	3.0	11.5
Pinfish	<i>Lagodon rhomboides</i>		1.5	1.0	2.5	9.6
Atlantic Needlefish	<i>Strongylura marina</i>			2.0	2.0	7.7
Ladyfish	<i>Elops saurus</i>		0.5	1.0	1.5	5.8
Gray Snapper	<i>Lutjanus griseus</i>		0.5		0.5	1.9
Red Drum	<i>Sciaenops ocellatus</i>		0.5		0.5	1.9
Total		0.0	17.0	9.0	26.0	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-2
Fisheries Beach Seine CPUE for CFBC Event 2 (12/4/2007 – 12/12/2007)

Common Name	Species Name	Station 1	Station 2	Station 3	CPUE Total	Percent Composition
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	28.5	1.0	15.0	44.5	67.9
Scaled Sardine	<i>Harengula jaguana</i>		9.0	0.5	9.5	14.5
Atlantic needlefish	<i>Strongylura marina</i>	2.0		0.5	2.5	3.8
Gray Snapper	<i>Lutjanus griseus</i>		2.0		2.0	3.1
Goby	Gobiidae		0.5	1.0	1.5	2.3
Atlantic threadfin	<i>Polydactylus octonemus</i>			1.0	1.0	1.5
Bay Anchovy	<i>Anchoa mitchilli</i>		1.0		1.0	1.5
Silver Perch	<i>Bairdiella chrysoura</i>			1.0	1.0	1.5
Florida Blenny	<i>Chasmodes saburrae</i>			0.5	0.5	0.8
Gulf Menhaden	<i>Brevoortia patronus</i>		0.5		0.5	0.8
Pinfish	<i>Lagodon rhomboides</i>			0.5	0.5	0.8
Skilletfish	<i>Gobiesox strumosus</i>			0.5	0.5	0.8
Striped Anchovy	<i>Anchoa hepsetus</i>		0.5		0.5	0.8
Total		30.5	14.5	20.5	65.5	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-3
Fisheries Beach Seine CPUE for CFBC Event 3 (6/18/2008 – 6/19/2008)

Common Name	Species Name	Station 1	Station 2	Station 3	CPUE Total	Percent Composition
Gulf Menhaden	<i>Brevoortia patronus</i>	296.0			296.0	86.0
Bay anchovy	<i>Anchoa mitchilli</i>	43.0			43.0	12.5
Redfin needlefish	<i>Strongylura notata</i>			2.0	2.0	0.6
Pinfish	<i>Lagodon rhomboides</i>	0.5	0.5		1.0	0.3
Sheepshead minnow	<i>Cyprinodon variegatus</i>	1.0			1.0	0.3
Striped Anchovy	<i>Anchoa hepsetus</i>	1.0			1.0	0.3
Gray Snapper	<i>Lutjanus griseus</i>	0.5			0.5	0.1
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	0.5			0.5	0.1
Total		342.5	0.5	2.0	345.0	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-4
Fisheries Beach Seine CPUE for CFBC Event 4 (8/26/2008 – 9/5/2008)

Common Name	Species Name	Station 1	Station 2	Station 3	CPUE Total	Percent Composition
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	12.5	6.0	0.5	19.0	67.9
Sheepshead minnow	<i>Cyprinodon variegatus</i>	2.5			2.5	8.9
Pinfish	<i>Lagodon rhomboides</i>		1.5		1.5	5.4
Atlantic needlefish	<i>Strongylura marina</i>		0.5	0.5	1.0	3.6
Goldspotted killifish	<i>Floridichthys carpio</i>	1.0			1.0	3.6
Gulf flounder	<i>Paralichthys albigutta</i>			0.5	0.5	1.8
Gulf killifish	<i>Fundulus grandis</i>	0.5			0.5	1.8
Leatherjacket	<i>Oligoplites saurus</i>			0.5	0.5	1.8
Longnose killifish	<i>Fundulus similis</i>	0.5			0.5	1.8
Pigfish	<i>Orthopristis chrysoptera</i>			0.5	0.5	1.8
Sunfish	<i>Lepomis sp.</i>	0.5			0.5	1.8
Total		17.5	8.0	2.5	28.0	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-5 (Sheet 1 of 2)
Fisheries Beach Seine CPUE Spatial and Temporal Variation in the CFBC

Common Name	Station 1				Station 2				Station 3				CPUE Total	Percent Composition
	10/30/ 2007	12/4/ 2007	6/18/ 2008	8/26/ 2008	10/30/ 2007	12/4/ 2007	6/18/ 2008	8/26/ 2008	10/30/ 2007	12/4/ 2007	6/18/ 2008	8/26/ 2008		
Gulf Menhaden			296.0			0.5							296.5	63.8
Spotfin Mojarra		28.5	0.5	12.5	14.0	1.0		6.0	2.0	15.0		0.5	80.0	17.2
Bay anchovy			43.0			1.0			3.0				47.0	10.1
Scaled Sardine						9.0				0.5			9.5	2.0
Pinfish			0.5		1.5		0.5	1.5	1.0	0.5			5.5	1.2
Atlantic needlefish		2.0						0.5	2.0	0.5		0.5	5.5	1.2
Sheepshead minnow			1.0	2.5									3.5	0.8
Gray Snapper			0.5		0.5	2.0							3.0	0.6
Redfin needlefish											2.0		2.0	0.4
Striped anchovy			1.0			0.5							1.5	0.3
Goby						0.5				1.0			1.5	0.3
Ladyfish					0.5				1.0				1.5	0.3
Atlantic threadfin										1.0			1.0	0.2
Goldspotted killifish				1.0									1.0	0.2
Silver Perch										1.0			1.0	0.2
Florida Blenny										0.5			0.5	0.1
Gulf flounder												0.5	0.5	0.1
Gulf killifish				0.5									0.5	0.1
Leatherjacket												0.5	0.5	0.1
Longnose killifish				0.5									0.5	0.1
Pigfish												0.5	0.5	0.1

Table 3.1.3.3-5 (Sheet 1 of 2)
Fisheries Beach Seine CPUE Spatial and Temporal Variation in the CFBC

Common Name	Station 1				Station 2				Station 3				CPUE Total	Percent Composition
	10/30/ 2007	12/4/ 2007	6/18/ 2008	8/26/ 2008	10/30/ 2007	12/4/ 2007	6/18/ 2008	8/26/ 2008	10/30/ 2007	12/4/ 2007	6/18/ 2008	8/26/ 2008		
Red Drum					0.5								0.5	0.1
Skilletfish										0.5			0.5	0.1
Sunfish				0.5									0.5	0.1
Total CPUE	0.0	30.5	342.5	17.5	17.0	14.5	0.5	8.0	9.0	20.5	2.0	2.5	464.5	100.0
Station Total	390.5				40.0				34.0					

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-6
Fisheries Trawl CPUE for CFBC Event 1 (10/31/2007 – 11/1/2007)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Bay Anchovy	<i>Anchoa mitchilli</i>	1.0	336.0	332.0	1.0	670.0	66.9
Silver Perch	<i>Bairdiella chrysoura</i>			3.0	204.0	207.0	20.7
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	1.0	56.0			57.0	5.7
Pinfish	<i>Lagodon rhomboides</i>		22.0			22.0	2.2
Spot	<i>Leiostomus xanthurus</i>				13.0	13.0	1.3
Sand Seatrout	<i>Cynoscion arenarius</i>		6.0		6.0	12.0	1.2
Atlantic Bumper	<i>Chloroscombrus chrysurus</i>		6.0			6.0	0.6
Gray Snapper	<i>Lutjanus griseus</i>	1.0	1.0	0.5		2.5	0.2
Hardhead Catfish	<i>Arius felis</i>		1.0		1.0	2.0	0.2
Ladyfish	<i>Elops saurus</i>				2.0	2.0	0.2
Southern Kingfish	<i>Menticirrhus americanus</i>				2.0	2.0	0.2
Fringed Flounder	<i>Etropus crossotus</i>				1.0	1.0	0.1
Least Puffer	<i>Sphoeroides parvus</i>		1.0			1.0	0.1
Pigfish	<i>Orthopristis chrysoptera</i>				1.0	1.0	0.1
Atlantic spadefish	<i>Chaetodipterus faber</i>			0.5		0.5	0.0
Lane Snapper	<i>Lutjanus synagris</i>			0.5		0.5	0.0
Spanish Mackerel	<i>Scomberomorus maculatus</i>			0.5		0.5	0.0
Black Drum	<i>Pogonias cromis</i>	0.5				0.5	0.0
Sheepshead	<i>Archosargus probatocephalus</i>	0.5				0.5	0.0
Total		3.5	429.0	337.0	231.0	1001.0	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-7
Fisheries Trawl CPUE for CFBC Event 2 (12/4/2007 – 12/12/2007)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Silver Perch	<i>Bairdiella chrysoura</i>		15.0	190.0	14.5	219.5	43.6
Bay Anchovy	<i>Anchoa mitchilli</i>		169.0	11.0		180.0	35.7
Gulf Menhaden	<i>Brevoortia patronus</i>		32.0	1.5		33.5	6.7
Hardhead catfish	<i>Arius felis</i>			6.0	15.5	21.5	4.3
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	0.5	1.0	11.5	4.5	17.5	3.5
Sand Seatrout	<i>Cynoscion tarenarius</i>		0.5	6.5	2.0	9.0	1.8
Black Drum	<i>Pogonias cromis</i>	1.5	3.0			4.5	0.9
Southern Kingfish	<i>Menticirrhus americanus</i>			0.5	2.0	2.5	0.5
Polka-dot Batfish	<i>Ogcocephalus cubifrons</i>				2.0	2.0	0.4
Pigfish	<i>Orthopristis chrysoptera</i>				1.5	1.5	0.3
Pinfish	<i>Lagodon rhomboides</i>				1.5	1.5	0.3
Fringed flounder	<i>Etropus crossotus</i>			0.5	1.0	1.5	0.3
Spot	<i>Leiostomus xanthurus</i>				1.5	1.5	0.3
Gray Snapper	<i>Lutjanus griseus</i>		1.0			1.0	0.2
Smooth Butterfly Ray	<i>Gymnura micrura</i>			1.0		1.0	0.2
Striped Anchovy	<i>Anchoa hepsetus</i>		1.0			1.0	0.2
Southern flounder	<i>Paralichthys lethostigma</i>				1.0	1.0	0.2
Atlantic croaker	<i>Micropogonias undulatus</i>				0.5	0.5	0.1
Black Cheek Tonguefish	<i>Symphurus plagiusa</i>			0.5		0.5	0.1
Gafftopsail Catfish	<i>Bagre marinus</i>			0.5		0.5	0.1
Grunt	Haemulidae				0.5	0.5	0.1
Lookdown	<i>Selene vomer</i>			0.5		0.5	0.1
Barred searobin	<i>Prionotus martis</i>				0.5	0.5	0.1
Scaled Sardine	<i>Harengula jaguana</i>		0.5			0.5	0.1
Total		2.0	223.0	230.0	48.5	503.5	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-8
Fisheries Trawl CPUE for CFBC Event 3 (5/14/2008 – 5/15/2008)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Bay Anchovy	<i>Anchoa mitchilli</i>		6.0		2.0	8.0	23.2
Spot	<i>Leiostomus xanthurus</i>		7.0	0.5		7.5	21.7
Pinfish	<i>Lagodon rhomboides</i>		5.0			5.0	14.5
Atlantic croaker	<i>Micropogonias undulatus</i>		4.0			4.0	11.6
Silver Perch	<i>Bairdiella chrysoura</i>			3.0	0.3	3.3	9.7
Sand Seatrout	<i>Cynoscion arenarius</i>		1.5	0.5		2.0	5.8
Black Drum	<i>Pogonias cromis</i>		1.0			1.0	2.9
Hardhead catfish	<i>Arius felis</i>		1.0			1.0	2.9
Atlantic Stingray	<i>Dasyatis sabina</i>		0.5			0.5	1.4
Gulf Flounder	<i>Paralichthys albigutta</i>		0.5			0.5	1.4
Gulf Toadfish	<i>Opsanus beta</i>			0.5		0.5	1.4
Yellowfin Menhaden	<i>Brevoortia smithi</i>		0.5			0.5	1.4
Bighead Searobin	<i>Prionotus tribulus</i>				0.3	0.3	1.0
Ocellated Flounder	<i>Ancylopsetta quadrocellata</i>				0.3	0.3	1.0
Total		0.0	27.0	4.5	3.0	34.5	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-9
Fisheries Trawl CPUE for CFBC Event 4 (8/25/2008 – 8/26/2008)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Bay anchovy	<i>Anchoa mitchilli</i>		0.5	1.0	58.5	60.0	42.4
Spotfin Mojarra	<i>Eucinostomus argenteus</i>		56.5			56.5	39.9
Atlantic bumper	<i>Chloroscombrus chrysurus</i>			2.0	10.0	12.0	8.5
Sand seatrout	<i>Cynoscion arenarius</i>		6.5		1.0	7.5	5.3
Silver perch	<i>Bairdiella chrysoura</i>			0.5	3.0	3.5	2.5
Atlantic spadefish	<i>Chaetodipterus faber</i>				1.0	1.0	0.7
Hardhead catfish	<i>Arius felis</i>		0.5			0.5	0.4
Sunfish	<i>Lepomis sp.</i>		0.5			0.5	0.4
Total		0.0	64.5	3.5	73.5	141.5	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-10 (Sheet 1 of 2)
Fisheries Trawl CPUE Spatial and Temporal Variation in the CFBC

Common Name	Station 1				Station 2				Station 3				Station 4				CPUE Total	Percent Composition
	10/31/ 2007	12/4/ 2007	5/14/ 2008	8/25/ 2008	10/31/ 2007	12/4/ 2007	5/14/ 2008	8/25/ 2008	10/31/ 2007	12/4/ 2007	5/14/ 2008	8/25/ 2008	10/31/ 2007	12/4/ 2007	5/14/ 2008	8/25/ 2008		
Bay anchovy	1.0				336.0	169.0	6.0	0.5	332.0	11.0		1.0	1.0		2.0	58.5	918.0	54.6
Silver perch						15.0			3.0	190.0	3.0	0.5	204.0	14.5	0.3	3.0	433.3	25.8
Spotfin Mojarra	1.0	0.5			56.0	1.0		56.5		11.5				4.5			131.0	7.8
Gulf Menhaden						32.0				1.5							33.5	2.0
Sand seatrout					6.0	0.5	1.5	6.5		6.5	0.5		6.0	2.0		1.0	30.5	1.8
Pinfish					22.0		5.0							1.5			28.5	1.7
Hardhead catfish					1.0		1.0	0.5		6.0			1.0	15.5			25.0	1.5
Spot							7.0				0.5		13.0	1.5			22.0	1.3
Atlantic bumper					6.0							2.0				10.0	18.0	1.1
Black Drum	0.5	1.5				3.0	1.0										6.0	0.4
Atlantic croaker							4.0							0.5			4.5	0.3
Southern Kingfish										0.5			2.0	2.0			4.5	0.3
Gray Snapper	1.0				1.0	1.0			0.5								3.5	0.2
Pigfish													1.0	1.5			2.5	0.1
Fringed flounder										0.5			1.0	1.0			2.5	0.1
Ladyfish													2.0				2.0	0.1
Polka-dot Batfish														2.0			2.0	0.1
Atlantic spadefish									0.5							1.0	1.5	0.1
Southern flounder														1.0			1.0	0.1
Least Puffer					1.0												1.0	0.1
Smooth Butterfly Ray										1.0							1.0	0.1
Striped Anchovy						1.0											1.0	0.1
Lane Snapper									0.5								0.5	0.0
Spanish Mackerel									0.5								0.5	0.0
Atlantic Stingray							0.5										0.5	0.0
Black Cheek Tonguefish										0.5							0.5	0.0
Gafftopsail Catfish										0.5							0.5	0.0
Grunt														0.5			0.5	0.0

Table 3.1.3.3-10 (Sheet 2 of 2)
Fisheries Trawl CPUE Spatial and Temporal Variation in the CFBC

Common Name	Station 1				Station 2				Station 3				Station 4				CPUE Total	Percent Composition
	10/31/ 2007	12/4/ 2007	5/14/ 2008	8/25/ 2008	10/31/ 2007	12/4/ 2007	5/14/ 2008	8/25/ 2008	10/31/ 2007	12/4/ 2007	5/14/ 2008	8/25/ 2008	10/31/ 2007	12/4/ 2007	5/14/ 2008	8/25/ 2008		
Gulf Flounder							0.5										0.5	0.0
Gulf Toadfish											0.5						0.5	0.0
Lookdown										0.5							0.5	0.0
Barred searobin														0.5			0.5	0.0
Scaled Sardine						0.5											0.5	0.0
Sheepshead	0.5																0.5	0.0
Sunfish								0.5									0.5	0.0
Yellowfin Menhaden							0.5										0.5	0.0
Bighead Searobin															0.3		0.3	0.0
Ocellated Flounder															0.3		0.3	0.0
Total CPUE	4.0	2.0	0.0	0.0	429.0	223.0	27.0	64.5	337.0	230.0	4.5	3.5	231.0	48.5	2.9	73.5	1680	100.0
Station Total	6.0				743.5				575.0				355.9					

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-11
Fisheries Gill Net CPUE for CFBC Event 1 (11/1/2007 – 11/7/2007)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	21.8	138.0			159.8	59.5
Ladyfish	<i>Elops saurus</i>	13.1	11.5	4.4	5.1	34.1	12.7
Bull Shark	<i>Carcharhinus leucas</i>		22.9			22.9	8.5
Spanish Mackerel	<i>Scomberomorus maculatus</i>				15.3	15.3	5.7
Gulf Menhaden	<i>Brevoortia patronus</i>		11.5			11.5	4.3
Southern Stingray	<i>Dasyatis americana</i>				5.1	5.1	1.9
Gray Snapper	<i>Lutjanus griseus</i>	4.4				4.4	1.6
Crevalle Jack	<i>Caranx hippos</i>		3.8			3.8	1.4
Gafftopsail Catfish	<i>Bagre marinus</i>		3.8			3.8	1.4
Gizzard Shad	<i>Dorosoma cepedianum</i>		3.8			3.8	1.4
Sheepshead	<i>Archosargus probatocephalus</i>		3.8			3.8	1.4
Total		39.3	199.2	4.4	25.5	268.4	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-12
Fisheries Gill Net CPUE for CFBC Event 2 (12/3/2007 – 12/11/2007)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Scaled Sardine	<i>Harengula jaguana</i>			689.0		689.0	68.5
Ladyfish	<i>Elops saurus</i>		18.2	107.0		125.2	12.4
Longnose Gar	<i>Lepisosteus osseus</i>			15.3	30.0	45.3	4.5
Common Snook	<i>Centropomus undecimalis</i>		36.5			36.5	3.6
Crevalle jack	<i>Caranx hippos</i>		18.2			18.2	1.8
Florida pompano	<i>Trachinotus carolinus</i>			15.3		15.3	1.5
Gulf Menhaden	<i>Brevoortia patronus</i>			15.3		15.3	1.5
Hardhead catfish	<i>Arius felis</i>			15.3		15.3	1.5
Spanish Mackerel	<i>Scomberomorus maculatus</i>			15.3		15.3	1.5
Spanish Sardine	<i>Sardinella aurita</i>			15.3		15.3	1.5
Spotfin Mojarra	<i>Eucinostomus argenteus</i>			15.3		15.3	1.5
Total		0.0	72.9	903.1	30.0	1006.0	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-13
Fisheries Gill Net CPUE for CFBC Event 3 (6/6/2008 – 6/17/2008)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Ladyfish	<i>Elops saurus</i>	20.0			4.0	24.0	32.6
Gafftopsail catfish	<i>Bagre marinus</i>	8.0	4.6	4.0		16.5	22.5
Black Drum	<i>Pogonias cromis</i>		4.6			4.6	6.2
Striped Mullet	<i>Mugil cephalus</i>		4.6			4.6	6.2
Longnose gar	<i>Lepisosteus osseus</i>	4.0				4.0	5.4
Cownose ray	<i>Rhinoptera bonasus</i>			4.0		4.0	5.4
Hardhead catfish	<i>Arius felis</i>			4.0		4.0	5.4
Harvestfish	<i>Peprilus alepidotus</i>			4.0		4.0	5.4
Atlantic Stingray	<i>Dasyatis sabina</i>				4.0	4.0	5.4
Spot	<i>Leiostomus xanthurus</i>				4.0	4.0	5.4
Total		32.0	13.7	15.9	11.9	73.5	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-14
Fisheries Gill Net CPUE for CFBC Event 4 (8/25/2008 – 8/28/2008)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Bonnethead shark	<i>Sphyrna tiburo</i>				8.0	8.0	18.5
Longnose gar	<i>Lepisosteus osseus</i>	4.0			4.0	8.0	18.4
Ladyfish	<i>Elops saurus</i>		3.7		4.0	7.7	17.8
Gulf Menhaden	<i>Brevoortia patronus</i>				4.0	4.0	9.3
Hardhead catfish	<i>Arius felis</i>				4.0	4.0	9.3
Spanish mackerel	<i>Scomberomorus maculatus</i>				4.0	4.0	9.3
Largemouth bass	<i>Micropterus salmoides</i>	4.0				4.0	9.1
Whitefin sharksucker	<i>Echeneis neucratoides</i>			3.7		3.7	8.4
Total		7.9	3.7	3.7	28.0	43.2	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-15
Fisheries Gill Net CPUE Spatial and Temporal Variation in the CFBC

Common Name	Station 1				Station 2				Station 3				Station 4				CPUE Total	Percent Composition
	11/2/ 2007	12/5/ 2007	6/6/ 2008	8/25/ 2008	11/2/ 2007	12/5/ 2007	6/6/ 2008	8/25/ 2008	11/2/ 2007	12/5/ 2007	6/6/ 2008	8/25/ 2008	11/2/ 2007	12/5/ 2007	6/6/ 2008	8/25/ 2008		
Scaled Sardine										689.0							689.0	49.5
Ladyfish	13.1		20.0		11.5	18.2		3.7	4.4	107.0			5.1		4.0	4.0	191.0	13.7
Spotfin Mojarra	21.8				138.0					15.3							175.1	12.6
Longnose gar			4.0	4.0						15.3				30.0		4.0	57.3	4.1
Common Snook						36.5											36.5	2.6
Spanish mackerel										15.3			15.3			4.0	34.6	2.5
Gulf Menhaden					11.5					15.3						4.0	30.8	2.2
Hardhead catfish										15.3	4.0					4.0	23.3	1.7
Bull Shark					22.9												22.9	1.6
Crevalle Jack					3.8	18.2											22.0	1.6
Gafftopsail Catfish			8.0		3.8		4.6				4.0						20.4	1.5
Florida pompano										15.3							15.3	1.1
Spanish Sardine										15.3							15.3	1.1
Bonnethead shark																8.0	8.0	0.6
Southern Stingray													5.1				5.1	0.4
Black Drum							4.6										4.6	0.3
Striped Mullet							4.6										4.6	0.3
Gray Snapper	4.4																4.4	0.3
Atlantic Stingray															4.0		4.0	0.3
Cownose ray											4.0						4.0	0.3
Harvestfish											4.0						4.0	0.3
Largemouth bass				4.0													4.0	0.3
Spot															4.0		4.0	0.3
Gizzard Shad					3.8												3.8	0.3
Sheepshead					3.8												3.8	0.3
Whitefin sharksucker												3.7					3.7	0.3
CPUE Total	39.3	0.0	32.0	8.0	199.1	72.9	13.8	3.7	4.4	903.1	16.0	3.7	25.5	30.0	12.0	28.0	1391.5	100.0
Station Total	79.3				289.5				927.2				95.5					

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-16
Fisheries Cast Net CPUE for CFBC Event 1 (10/29/2007 – 11/2/2007)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	9.0	12.1	10.4	0.6	32.1	21.0
Scaled Sardine	<i>Harengula jaguana</i>	15.4		0.6	10.6	26.6	17.4
Pinfish	<i>Lagodon rhomboides</i>	5.1	3.0	15.2		23.4	15.2
Mullet	<i>Mugil sp.</i>		3.9	18.3		22.2	14.5
Bay Anchovy	<i>Anchoa mitchilli</i>		7.8	3.1	0.6	11.4	7.5
Gray Snapper	<i>Lutjanus griseus</i>	2.6	4.3	1.8		8.7	5.7
Ladyfish	<i>Elops saurus</i>	0.6	2.2	3.1		5.9	3.8
Striped Mullet	<i>Mugil cephalus</i>	4.5				4.5	2.9
White Mullet	<i>Mugil curema</i>	3.2	0.9			4.1	2.7
Atlantic Needlefish	<i>Strongylura marina</i>	0.6		1.8		2.5	1.6
Spot	<i>Leiostomus xanthurus</i>		1.3			1.3	0.8
Atlantic Thread Herring	<i>Opisthonema oglinum</i>				1.3	1.3	0.8
Grunt	Haemulidae			1.2		1.2	0.8
Pigfish	<i>Orthopristis chrysoptera</i>			1.2		1.2	0.8
Striped Anchovy	<i>Anchoa hepsetus</i>			1.2		1.2	0.8
Sheepshead	<i>Archosargus probatocephalus</i>		0.9			0.9	0.6
Red Drum	<i>Sciaenops ocellatus</i>	0.6				0.6	0.4
Black Drum	<i>Pogonias cromis</i>				0.6	0.6	0.4
Inshore Lizardfish	<i>Synodus foetens</i>				0.6	0.6	0.4
Puffers	<i>Sphoeroides sp.</i>				0.6	0.6	0.4
Southern Stingray	<i>Dasyatis americana</i>				0.6	0.6	0.4
Whitefin Sharksucker	<i>Echeneis neucratoides</i>				0.6	0.6	0.4
Herring sp.	<i>Clupeidae</i>			0.6		0.6	0.4
Common Snook	<i>Centropomus undecimalis</i>		0.4			0.4	0.3
Total		41.7	36.7	58.5	16.2	153.1	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-17
Fisheries Cast Net CPUE for CFBC Event 2 (12/3/2007 – 12/11/2007)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	31.9	4.4	30.0	14.4	80.7	41.3
White Mullet	<i>Mugil curema</i> †††	1.9	7.5	1.9	20.0	31.3	16.0
Striped Mullet	<i>Mugil cephalus</i>		2.5	4.4	15.0	21.9	11.2
Scaled Sardine	<i>Harengula jaguana</i>		13.8		2.5	16.3	8.4
Pinfish	<i>Lagodon rhomboides</i>	0.6	1.3	5.0	5.0	11.9	6.1
Ladyfish	<i>Elops saurus</i>		1.9	5.6		7.5	3.8
Gray Snapper	<i>Lutjanus griseus</i>		1.3	4.4		5.6	2.9
Bay Anchovy	<i>Anchoa mitchilli</i>			3.1		3.1	1.6
Gulf Menhaden	<i>Brevoortia patronus</i>		3.1			3.1	1.6
Hardhead catfish	<i>Arius felis</i>		0.6	1.9		2.5	1.3
Silver Perch	<i>Bairdiella chrysoura</i>		0.6	1.9		2.5	1.3
Yellowfin Menhaden	<i>Brevoortia smithi</i>			1.9		1.9	1.0
Atlantic croaker	<i>Micropogonias undulatus</i>			1.3		1.3	0.6
Bull Shark	<i>Carcharhinus leucas</i>		1.3			1.3	0.6
Sand Seatrout	<i>Cynoscion tarenarius</i>			1.3		1.3	0.6
Striped Anchovy	<i>Anchoa hepsetus</i>		0.6	0.6		1.3	0.6
Atlantic needlefish	<i>Strongylura marina</i>		0.6			0.6	0.3
Red Drum	<i>Sciaenops ocellatus</i>	0.6				0.6	0.3
Sheepshead	<i>Archosargus probatocephalus</i>		0.6			0.6	0.3
Total		35.0	40.1	63.2	56.9	195.2	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-18
Fisheries Cast Net CPUE for CFBC Event 3 (5/12/2008 – 5/14/2008)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
White Mullet	<i>Mugil curema</i>		6.5	5.5	4.1	16.1	25.2
Pinfish	<i>Lagodon rhomboides</i>	0.5	2.0	6.5	6.1	15.1	23.7
Striped Mullet	<i>Mugil cephalus</i>		0.5	8.5	3.6	12.6	19.7
Bay anchovy	<i>Anchoa mitchilli</i>	6.0				6.0	9.4
Tidewater mojarra	<i>Eucinostomus harengulus</i>			3.0		3.0	4.7
Atlantic needlefish	<i>Strongylura marina</i>	1.0			1.5	2.5	4.0
Herring sp.	<i>Clupeidae</i>	2.0				2.0	3.1
Black Drum	<i>Pogonias cromis</i>		1.5			1.5	2.4
Common mojarra	<i>Eucinostomus gula</i>		0.5	1.0		1.5	2.4
Gray Snapper	<i>Lutjanus griseus</i>			1.0		1.0	1.6
Spotfin mojarra	<i>Eucinostomus argentus</i>				0.5	0.5	0.8
Pigfish	<i>Orthopristis chrysoptera</i>				0.5	0.5	0.8
Common Snook	<i>Centropomus undecimalis</i>		0.5			0.5	0.8
Ladyfish	<i>Elops saurus</i>		0.5			0.5	0.8
Skilletfish	<i>Gobiesox strumosus</i>		0.5			0.5	0.8
Total		9.5	12.5	25.5	16.3	63.8	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-19
Fisheries Cast Net CPUE for CFBC Event 4 (8/25/2008 – 8/29/2008)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Gulf Menhaden	<i>Brevoortia patronus</i>			3.1	141.0	144.1	81.6
White mullet	<i>Mugil curema</i>				6.9	6.9	3.9
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	3.1		0.6	1.9	5.6	3.2
Goldspotted killifish	<i>Floridichthys carpio</i>	3.1				3.1	1.8
Pinfish	<i>Lagodon rhomboides</i>	1.3	1.3		0.6	3.1	1.8
Striped mullet	<i>Mugil cephalus</i>	0.6			2.5	3.1	1.8
Atlantic bumper	<i>Chloroscombrus chrysurus</i>				2.5	2.5	1.4
Sheepshead	<i>Archosargus probatocephalus</i>	0.6	1.3			1.9	1.1
Redfin needlefish	<i>Strongylura notata</i>	1.3				1.3	0.7
Skilletfish	<i>Gobiesox strumosus</i>		1.3			1.3	0.7
Black drum	<i>Pogonias cromis</i>		0.6			0.6	0.4
Crested blenny	<i>Hypoleurochilus germinatus</i>				0.6	0.6	0.4
Hardhead catfish	<i>Arius felis</i>			0.6		0.6	0.4
Ladyfish	<i>Elops saurus</i>				0.6	0.6	0.4
Leatherjacket	<i>Oligoplites saurus</i>				0.6	0.6	0.4
Pigfish	<i>Orthopristis chrysoptera</i>				0.6	0.6	0.4
Total		10.0	4.4	4.4	157.9	176.7	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-20 (Sheet 1 of 2)
Fisheries Cast Net CPUE Spatial and Temporal Variation in the CFBC

Common Name	Station 1				Station 2				Station 3				Station 4				CPUE Total	Percent Composition
	10/30/ 2007	12/4/ 2007	5/12/ 2008	8/25/ 2008	10/30/ 2007	12/4/ 2007	5/12/ 2008	8/25/ 2008	10/30/ 2007	12/4/ 2007	5/12/ 2008	8/25/ 2008	10/30/ 2007	12/4/ 2007	5/12/ 2008	8/25/ 2008		
Gulf Menhaden						3.1						3.1				141.0	147.2	25.0
Spotfin Mojarra	9.0	31.9		3.1	12.1	4.4			10.4	30		0.6	0.6	14.4	0.5	1.9	118.9	20.2
White Mullet	3.2	1.9			0.9	7.5	6.5			1.9	5.5			20.0	4.1	6.9	58.4	9.9
Pinfish	5.1	0.6	0.5	1.3	3.0	1.3	2.0	1.3	15.2	5.0	6.5			5.0	6.1	0.6	53.5	9.1
Scaled Sardine	15.4					13.8			0.6				10.6	2.5			42.9	7.3
Striped Mullet	4.5			0.6		2.5	0.5			4.4	8.5			15	3.6	2.5	42.1	7.2
Mullet					3.9				18.3								22.2	3.8
Bay Anchovy			6.0		7.8				3.1	3.1							20.0	3.4
Gray Snapper	2.6				4.3	1.3			1.8	4.4	1.0		0.6				16.0	2.7
Ladyfish	0.6				2.2	1.9	0.5		3.1	5.6						0.6	14.5	2.5
Atlantic needlefish	0.6		1.0			0.6			1.8						1.5		5.5	0.9
Sheepshead				0.6	0.9	0.6		1.3									3.4	0.6
Goldspotted killifish				3.1													3.1	0.5
Hardhead catfish						0.6				1.9		0.6					3.1	0.5
Tidewater mojarra											3.0						3.0	0.5
Black drum							1.5	0.6					0.6				2.7	0.5
Herring sp.			2.0						0.6								2.6	0.4
Atlantic bumper																2.5	2.5	0.4
Silver Perch						0.6				1.9							2.5	0.4
Striped Anchovy						0.6			1.2	0.6							2.4	0.4
Pigfish									1.2						0.5	0.6	2.3	0.4
Yellowfin Menhaden										1.9							1.9	0.3
Skilletfish							0.5	1.3									1.8	0.3
Common mojarra							0.5				1.0						1.5	0.3
Atlantic croaker										1.3							1.3	0.2
Atlantic Thread Herring													1.3				1.3	0.2
Bull Shark						1.3											1.3	0.2
Redfin needlefish				1.3													1.3	0.2
Sand Seatrout										1.3							1.3	0.2

Table 3.1.3.3-20 (Sheet 2 of 2)
Fisheries Cast Net CPUE Spatial and Temporal Variation in the CFBC

Common Name	Station 1				Station 2				Station 3				Station 4				CPUE Total	Percent Composition
	10/30/ 2007	12/4/ 2007	5/12/ 2008	8/25/ 2008	10/30/ 2007	12/4/ 2007	5/12/ 2008	8/25/ 2008	10/30/ 2007	12/4/ 2007	5/12/ 2008	8/25/ 2008	10/30/ 2007	12/4/ 2007	5/12/ 2008	8/25/ 2008		
Spot					1.3												1.3	0.2
Grunt									1.2								1.2	0.2
Red Drum	0.6	0.6															1.2	0.2
Common Snook					0.4		0.5										0.9	0.2
Crested blenny																0.6	0.6	0.1
Inshore Lizardfish													0.6				0.6	0.1
Leatherjacket																0.6	0.6	0.1
Puffers													0.6				0.6	0.1
Southern Stingray													0.6				0.6	0.1
Whitefin Sharksucker													0.6				0.6	0.1
CPUE Total	41.6	35.0	9.5	10.0	36.8	40.1	12.5	4.5	58.5	63.3	25.5	4.3	16.1	56.9	16.3	157.8	588.7	100.0
Station Total	96.1				93.9				151.6				247.1					

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-21
Fisheries Minnow Trap CPUE for CFBC Event 1 (10/29/2007 – 11/7/2007)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	1.6	0.3			1.9	50.4
Goby	Gobiidae		0.5	0.2	0.4	1.1	28.7
Pinfish	<i>Lagodon rhomboides</i>				0.4	0.4	10.1
Naked Goby	<i>Gobiosoma bosc</i>		0.1	0.1		0.2	5.4
Skilletfish	<i>Gobiesox strumosus</i>			0.1		0.1	2.8
Silver Perch	<i>Bairdiella chrysoura</i>		0.1			0.1	2.6
Total		1.6	1.0	0.4	0.8	3.7	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-22
Fisheries Minnow Trap CPUE for CFBC Event 2 (12/3/2007 – 12/12/2007)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Goby	Gobiidae		0.5			0.5	48.9
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	0.4	0.1			0.5	46.4
Gulf Toadfish	<i>Opsanus beta</i>				0.0	0.0	4.7
Total		0.4	0.6	0.0	0.0	1.0	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-23
Fisheries Minnow Trap CPUE for CFBC Event 3 (5/12/2008 – 6/18/2008)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Silver Perch	<i>Bairdiella chrysoura</i>		6.1		0.1	6.2	61.9
Pinfish	<i>Lagodon rhomboides</i>			1.3		1.3	13.3
Pigfish	<i>Orthopristis chrysoptera</i>		0.2	0.3	0.5	1.0	10.0
Goby	Gobiidae		0.1	0.3	0.5	0.9	8.7
Code goby	<i>Gobiosoma robustum</i>		0.2		0.1	0.3	2.9
Gulf Toadfish	<i>Opsanus beta</i>			0.1	0.1	0.2	2.1
Skilletfish	<i>Gobiesox strumosus</i>		0.1			0.1	1.0
Total		0.0	6.7	2.1	1.3	10.1	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-24
Fisheries Minnow Trap CPUE for CFBC Event 4 (8/26/2008 – 8/29/2008)

Common Name	Species Name	Station 1	Station 2	Station 3	Station 4	CPUE Total	Percent Composition
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	1.8	0.2			2.1	45.0
Naked goby	<i>Gobiosoma bosc</i>	0.4	0.6	0.5		1.5	32.5
Silver perch	<i>Bairdiella chrysoura</i>				0.5	0.5	10.0
Bluegill	<i>Lepomis macrochirus</i>	0.3			0.1	0.4	8.0
Gulf toadfish	<i>Opsanus beta</i>		0.1			0.1	2.6
Pinfish	<i>Lagodon rhomboides</i>				0.1	0.1	2.0
Total		2.5	1.0	0.5	0.6	4.6	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.1.3.3-25
Fisheries Minnow Trap CPUE Spatial and Temporal Variation in the CFBC

Common Name	Station 1				Station 2				Station 3				Station 4				CPUE Totals	Percent Composition
	10/30/2007	12/5/2007	5/14/2008	8/26/2008	10/30/2007	12/5/2007	5/14/2008	8/26/2008	10/30/2007	12/5/2007	5/14/2008	8/26/2008	10/30/2007	12/5/2007	5/14/2008	8/26/2008		
Silver perch					0.1		6.1								0.1	0.5	6.8	35.0
Spotfin Mojarra	1.6	0.4		1.8	0.3	0.1		0.2									4.4	22.6
Goby					0.5	0.5	0.1		0.2		0.3		0.4		0.5		2.5	12.9
Pinfish											1.3		0.4			0.1	1.8	9.3
Naked goby				0.4	0.1			0.6	0.1			0.5					1.7	8.7
Pigfish							0.2				0.3				0.5		1.0	5.1
Bluegill				0.3												0.1	0.4	2.1
Gulf toadfish								0.1			0.1			<0.1	0.1		0.3	1.8
Code goby							0.2								0.1		0.3	1.5
Skilletfish							0.1		0.1								0.2	1.0
CPUE Total	1.6	0.4	0.0	2.5	1.0	0.6	6.7	0.9	0.4	0.0	2.0	0.5	0.8	<0.1	1.3	0.7	19.4	100
Station Total	4.5				9.2				2.9				2.8					

Note:

CPUE Total reflects the sum of composite efforts.

**Table 3.2.1-1
Summary of Sediment Characteristics at CREC Stations**

Station	Description	TOC (mg/kg)	Particle Size (percent)			
		[Range]	[Range]			
			Gravel	Sand	Silt	Clay
CREC 3	1.4 mi. west of Unit 4/5 Discharge	6,643	5.6	83.8	6.1	4.6
		[1,900 - 12,000]	[0.0 - 31.9]	[59.8 - 96.9]	[0.7 - 11.7]	[2.3 - 8.4]
CREC 4	2.8 mi. west of Unit 4/5 Discharge	9,886	1.1	71.3	18.7	8.9
		[2,700 - 15,000]	[0.0 - 4.6]	[57.9 - 77.8]	[12.5 - 32.0]	[7.1 - 10.5]

Notes:

All results are an average of three station replicates as well as TOC field duplicates during two sampling events.

Particle size distribution for each station may not equal 100 percent due to rounding.

CREC = Crystal River Energy Complex

mg/kg = milligram per kilogram

mi. = mile

TOC = Total Organic Carbon

**Table 3.2.2-1
Summary of Dissolved Oxygen, pH, and Water Clarity at CREC Stations**

Station ID	Description	Average DO (mg/L) [Range]	pH Range (SU)	Average Secchi depth (m) [Range]
CREC 1	Inside CREC, nearest to Units 4/5 Intake and Discharge	6.28 [5.14 - 7.41]	7.71 - 7.97	N/A
CREC 2	Near west end of helper cooling tower bank	6.09 [4.81 - 7.37]	7.83 - 8.06	N/A
CREC 3	Outside of CREC in dredged portion of discharge canal	5.05 [1.10 - 7.37]	7.45 - 8.10	0.85
CREC 4	Nearshore Gulf of Mexico west CREC discharge canal	5.61 [2.07 - 8.07]	7.60 - 8.01	0.76

Notes:

Water clarity measurements were not taken at CREC Stations 1 and 2 because data were collected from the canal shoreline.

Water clarity measurements were collected at CREC Stations 3 and 4 during a single sampling event.

CREC = Crystal River Energy Complex

m = meter

mi. = mile

mg/L = milligram per liter

SU = standard unit

Table 3.2.3.1-1
CREC Benthic Infauna Mean Density and Composition per Station

Major Taxon	Mean Density (Number of Individuals per m ²)		Mean Total	Percent Composition
	Station 3	Station 4		
Polychaeta	10,986	7,090	18,076	85.1
Oligochaeta	201	509	710	3.3
Bivalvia	50	639	689	3.2
Amphipoda	244	222	466	2.2
Gastropoda	151	301	452	2.1
Decapoda	22	144	165	0.8
Cnidaria	129	7	136	0.6
Tanaidacea	100	0	100	0.5
Nemertea	50	43	93	0.4
Echinodermata	22	57	79	0.4
Mysida	7	65	72	0.3
Sipuncula	36	29	65	0.3
Isopoda	14	29	43	0.2
Porifera	22	7	29	0.1
Cumacea	0	22	22	0.1
Platyhelminthes	0	14	14	0.1
Chaetognatha	7	0	7	0.0
Hemiptera	0	7	7	0.0
Phoronida	0	7	7	0.0
Total	12,041	9,192	21,234	100.0

Table 3.2.3.1-2
CREC Benthic Infauna Composition and Abundance at Station 3 per Sampling Event

Major Taxon	April	November	Study Mean	Percent Composition
Amphipoda	115	373	244	2.0
Bivalvia	14	86	50	0.4
Chaetognatha	14	0	7	0.1
Cnidaria	258	0	129	1.1
Decapoda	29	14	22	0.2
Echinodermata	0	43	22	0.2
Gastropoda	172	129	151	1.3
Isopoda	0	29	14	0.1
Mysida	0	14	7	0.1
Nemertea	72	29	50	0.4
Oligochaeta	115	287	201	1.7
Polychaeta	13,462	8,511	10,986	91.2
Porifera	43	0	22	0.2
Sipuncula	72	0	36	0.3
Tanaidacea	29	172	100	0.8
Total	14,395	9,688	12,041	100.00

**Table 3.2.3.1-3
CREC Benthic Infauna Composition and Abundance at Station 4 per Sampling Event**

Major Taxon	April	November	Study Mean	Percent Composition
Amphipoda	201	244	222	2.4
Bivalvia	775	502	639	6.9
Cnidaria	14	0	7	0.1
Cumacea	0	43	22	0.2
Decapoda	244	43	144	1.6
Echinodermata	57	57	57	0.6
Gastropoda	115	488	301	3.3
Hemiptera	14	0	7	0.1
Isopoda	14	43	29	0.3
Mysida	43	86	65	0.7
Nemertea	57	29	43	0.5
Oligochaeta	1,019	0	509	5.5
Phoronida	14	0	7	0.1
Platyhelminthes	29	0	14	0.2
Polychaeta	5,339	8,841	7,090	77.1
Porifera	14	0	7	0.1
Sipuncula	29	29	29	0.3
Total	7,980	10,405	9,192	100.00

Table 3.2.3.1-4
Abundance and Diversity Statistics of Major Benthic Infauna Taxonomic Groups at CREC
Stations

Statistic	Station	
	3	4
Major Taxa	15	17
Mean Density (ind/m2)	12,041	9,192
Shannon Diversity (H'log2)	0.70	1.42
Pielou's Evenness J'	0.18	0.35
Margalef's Richness (d1)	1.49	1.75

Table 3.2.3.1-5
Motile Invertebrate Trawl CPUE Spatial and Temporal Variation at CREC Stations

Common Name	Station 3				Station 4				CPUE Total	Percent Composition
	4/17/08	6/12/08	8/28/08	11/12/08	4/17/08	6/12/08	8/28/08	11/12/08		
Yellowline arrow crab							2.0	5.0	7.0	19
Pink shrimp					0.5		1.5	3.5	5.5	14.9
Mud crab		3.0					0.5		3.5	9.5
Atlantic brief squid	1.0						1.0	1.0	3.0	8.2
Speck-claw decorator crab				0.5				2.0	2.5	6.8
Florida stone crab								2.0	2.0	5.4
Spider crab		0.5			0.5	1.0			2.0	5.4
Common eastern nassa							1.5		1.5	4.1
Hippolyte shrimp					0.5			1.0	1.5	4.1
Palaemonid shrimp					0.5			1.0	1.5	4.1
Portunid crab								1.5	1.5	4.1
Right-handed hermit crab					1.0				1.0	2.7
Iridescent swim crab		0.5							0.5	1.4
Lined seahorse								0.5	0.5	1.4
Pear whelk							0.5		0.5	1.4
Portly spider crab						0.5			0.5	1.4
Snapping shrimp							0.5		0.5	1.4
Sphaeromatid isopod					0.5				0.5	1.4
Uncounted gastropods					0.5				0.5	1.4
Unspecified snapping shrimp								0.5	0.5	1.4
Sargassum swimming crab			0.3						0.3	0.8
Total CPUE	1.0	4.0	0.3	0.5	4.0	1.5	7.5	18.0	36.8	100.0

Table 3.2.3.1-6
Motile Invertebrate Trawl CPUE at CREC Stations Event 1 (4/17/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Atlantic brief squid	<i>Lolliguncula brevis</i>	1.0		1.0	20.0
Right-handed hermit crab	<i>Paguridae</i>		1.0	1.0	20.0
Hippolyte shrimp	<i>Hippolyte sp.</i>		0.5	0.5	10.0
Palaemonid shrimp	<i>Palaemonidae</i>		0.5	0.5	10.0
Pink shrimp	<i>Farfantepenaeus duorarum</i>		0.5	0.5	10.0
Sphaeromatid isopod	<i>Paracerceis caudata</i>		0.5	0.5	10.0
Spider crab	<i>Metoporphaphis sp.</i>		0.5	0.5	10.0
Total		1.0	4.0	5.0	100.0

Table 3.2.3.1-7
Motile Invertebrate Trawl CPUE at CREC Stations Event 2 (6/12/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Mud crab	<i>Panopeidae</i>	3.0		3.0	54.5
Spider crab	<i>Metoporphaphis sp.</i>	0.5	1.0	1.5	27.3
Iridescent swim crab	<i>Portunus gibbesii</i>	0.5		0.5	9.1
Portly spider crab	<i>Libinia emarginata</i>		0.5	0.5	9.1
Total		4.0	1.5	5.5	100.0

Table 3.2.3.1-8
Motile Invertebrate Trawl CPUE at CREC Stations Event 3 (8/28/2008 – 8/29/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Yellowline arrow crab	<i>Stenorhynchus seticornis</i>		2.0	2.0	25.5
Pink shrimp	<i>Farfantepenaeus duorarum</i>		1.5	1.5	19.1
Common eastern nassa	<i>Nassarius vibex</i>		1.5	1.5	19.1
Atlantic brief squid	<i>Lolliguncula brevis</i>		1.0	1.0	12.8
Mud crab	<i>Panopeidae</i>		0.5	0.5	6.4
Pear whelk	<i>Busycon spiratum</i>		0.5	0.5	6.4
Snapping shrimp	<i>Alpheus heterochaelis</i>		0.5	0.5	6.4
Sargassum swimming crab	<i>Portunus sayi</i>	0.3		0.3	4.3
Total		0.3	7.5	7.8	100.0

Table 3.2.3.1-9
Motile Invertebrate Trawl CPUE at CREC Stations Event 4 (11/11/2008 – 11/12/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Yellowline arrow crab	<i>Stenorhynchus seticornis</i>		5.0	5.0	27.0
Pink shrimp	<i>Farfantepenaeus duorarum</i>		3.5	3.5	18.9
Speck-claw decorator crab	<i>Microphrys bicornutus</i>	0.5	2.0	2.5	13.5
Florida stone crab	<i>Menippe mercenaria</i>		2.0	2.0	10.8
Portunid crab	<i>Portunus sp.</i>		1.5	1.5	8.1
Atlantic brief squid	<i>Lolliguncula brevis</i>		1.0	1.0	5.4
Hippolyte shrimp	<i>Hippolyte sp.</i>		1.0	1.0	5.4
Palaemonid shrimp	<i>Palaemonidae</i>		1.0	1.0	5.4
Lined seahorse	<i>Hippocampus erectus</i>		0.5	0.5	2.7
Unspecified snapping shrimp	<i>Alpheus sp.</i>		0.5	0.5	2.7
Total		0.5	18.0	18.5	100.0

Table 3.2.3.1-10
Motile Invertebrate Crab Trap CPUE Spatial and Temporal Variation at CREC Stations

Common Name	Station 3				Station 4				CPUE Total	Percent Composition
	4/23/08	6/14/08	9/6/08	11/15/08	4/23/08	6/14/08	9/6/08	11/15/08		
Florida stone crab	0.2	0.9	2.0	0.5	0.2	0.5	0.5	0.4	5.2	83.9
Blue Crab			0.1	0.3	0.4	0.1			0.9	14.5
Crown conch	0.1								0.1	1.6
Total	0.3	0.9	2.1	0.8	0.6	0.6	0.5	0.4	6.2	100.0

Table 3.2.3.1-11
Motile Invertebrate Crab Trap CPUE at CREC Stations Event 1 (4/23/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Blue crab	<i>Callinectes sapidus</i>		0.4	0.4	47.5
Florida stone crab	<i>Menippe mercenaria</i>	0.2	0.2	0.3	42.0
Crown conch	<i>Melongena corona</i>	0.1		0.1	10.5
Total		0.2	0.5	0.7	100.0

Table 3.2.3.1-12
Motile Invertebrate Crab Trap CPUE at CREC Stations Event 2 (6/14/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Florida stone crab	<i>Menippe mercenaria</i>	0.9	0.5	1.4	95.5
Blue crab	<i>Callinectes sapidus</i>		0.1	0.1	4.5
Total		0.9	0.5	1.4	100.0

Table 3.2.3.1-13
Motile Invertebrate Crab Trap CPUE at CREC Stations Event 3 (9/6/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Florida stone crab	<i>Menippe mercenaria</i>	2.0	0.5	2.5	100.0
Blue crab	<i>Callinectes sapidus</i>	0.1		0.1	5.0
Total		2.0	0.5	2.5	100.0

Table 3.2.3.1-14
Motile Invertebrate Crab Trap CPUE at CREC Stations Event 4 (11/15/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Florida stone crab	<i>Menippe mercenaria</i>	0.5	0.4	0.9	75.1
Blue crab	<i>Callinectes sapidus</i>	0.3		0.3	24.9
Total		0.8	0.4	1.3	100.0

Table 3.2.3.2-1
Daytime Density and Diversity Statistics of Major Taxonomic Zooplankton Groups at CREC Stations

Statistic	Station	
	3	4
Taxa	40	38
Mean Density (ind/100m3)	23,851	89,743
Shannon Diversity (H'log2)	2.69	2.47
Pielou's Evenness J'	0.50	0.47
Margalef's Richness (d1)	3.87	3.24

Table 3.2.3.2-2
Nighttime Density and Diversity Statistics of Major Taxonomic Zooplankton Groups at CREC Stations

Statistic	Station	
	3	4
Taxa	37	46
Mean Density (ind/100m3)	20,132	48,034
Shannon Diversity (H'log2)	2.63	2.79
Pielou's Evenness J'	0.50	0.51
Margalef's Richness (d1)	3.63	4.17

Table 3.2.3.2-3
Daytime Density and Diversity Statistics of Ichthyoplankton at CREC Stations

Statistic	Station	
	3	4
Taxa	16	21
Mean Density (ind/100m3)	91	351
Shannon Diversity (H'log2)	2.70	1.70
Pielou's Evenness J'	0.68	0.39
Margalef's Richness (d1)	3.32	3.41

Table 3.2.3.2-4
Nighttime Density and Diversity Statistics of Ichthyoplankton at CREC Stations

Statistic	Station	
	3	4
Taxa	18	27
Mean Density (ind/100m3)	257	1,639
Shannon Diversity (H'log2)	2.43	1.55
Pielou's Evenness J'	0.58	0.33
Margalef's Richness (d1)	3.06	3.51

**Table 3.2.3.3-1
Fisheries Beach Seine CPUE at CREC Stations Event 1 (5/3/2008)**

Common Name	Species Name	Station 3	CPUE Total	Percent Composition
Goldspotted killifish	<i>Floridichthys carpio</i>	37.5	37.5	76.5
Tidewater mojarra	<i>Eucinostomus harengulus</i>	7.0	7.0	14.3
Longnose killifish	<i>Fundulus similis</i>	4.0	4.0	8.2
Marsh killifish	<i>Fundulus confluentus</i>	0.5	0.5	1.0
Total		49.0	49.0	100.0

Note:

CPUE Total reflects the sum of composite efforts.

**Table 3.2.3.3-2
Fisheries Beach Seine CPUE at CREC Stations Event 2 (7/24/2008)**

Common Name	Species Name	Station 3	CPUE Total	Percent Composition
Longnose killifish	<i>Fundulus similis</i>	37.0	37.0	43.5
Tidewater mojarra	<i>Eucinostomus harengulus</i>	24.0	24.0	28.2
Goldspotted killifish	<i>Floridichthys carpio</i>	14.0	14.0	16.5
Tidewater silverside	<i>Menidia peninsulae</i>	7.0	7.0	8.2
Gulf killifish	<i>Fundulus grandis</i>	2.0	2.0	2.4
Leatherjacket	<i>Oligoplites saurus</i>	1.0	1.0	1.2
Total		85.0	85.0	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-3
Fisheries Beach Seine CPUE at CREC Stations Event 3 (8/25/2008)

Common Name	Species Name	Station 3	CPUE Total	Percent Composition
Tidewater silverside	<i>Menidia peninsulae</i>	35.3	35.3	38.7
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	23.3	23.3	25.5
Sheepshead minnow	<i>Cyprinodon variegatus</i>	20.0	20.0	21.9
White mullet	<i>Mugil curema</i>	5.0	5.0	5.5
Longnose killifish	<i>Fundulus similis</i>	3.0	3.0	3.3
Goldspotted killifish	<i>Floridichthys carpio</i>	1.3	1.3	1.5
Halfbeak	<i>Hemiramphus sp.</i>	1.0	1.0	1.1
Leatherjacket	<i>Oligoplites saurus</i>	1.0	1.0	1.1
Atlantic needlefish	<i>Strongylura marina</i>	0.7	0.7	0.7
Redfin needlefish	<i>Strongylura notata</i>	0.7	0.7	0.7
Total		91.3	91.3	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-4
Fisheries Beach Seine CPUE at CREC Stations Event 4 (11/12/2008)

Common Name	Species Name	Station 3	CPUE Total	Percent Composition
Goldspotted killifish	<i>Floridichthys carpio</i>	96.0	96.0	92.8
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	5.0	5.0	4.8
Gulf killifish	<i>Fundulus grandis</i>	1.0	1.0	1.0
Longnose killifish	<i>Fundulus similis</i>	0.5	0.5	0.5
Redfin needlefish	<i>Strongylura notata</i>	0.5	0.5	0.5
White mullet	<i>Mugil curema</i>	0.5	0.5	0.5
Total		103.5	103.5	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-5
Fisheries Beach Seine CPUE Spatial and Temporal Variation at CREC Station 3

Common Name	Station 3				CPUE Total	Percent Composition
	5/3/2008	7/24/2008	8/5/2008	11/12/2008		
Goldspotted killifish	37.5	14.0	1.3	96	148.8	45.3
Longnose killifish	4.0	37.0	3.0	0.5	44.5	13.5
Tidewater silverside		7.0	35.3		42.3	12.9
Tidewater mojarra	7.0	24.0			31.0	9.4
Spotfin Mojarra			23.3	5.0	28.3	8.6
Sheepshead minnow			20.0		20.0	6.1
White mullet			5.0	0.5	5.5	1.7
Gulf killifish		2.0		1.0	3.0	0.9
Leatherjacket		1.0	1.0		2.0	0.6
Redfin needlefish			0.7	0.5	1.2	0.4
Halfbeak			1.0		1.0	0.3
Atlantic needlefish			0.7		0.7	0.2
Marsh killifish	0.5				0.5	0.2
Total	49.0	85.0	91.3	103.5	328.8	100.0

Note:

CPUE Total reflects the sum of composite efforts.

**Table 3.2.3.3-6
Fisheries Trawl CPUE at CREC Stations Event 1 (4/18/2008)**

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Pinfish	<i>Lagodon rhomboides</i>		20.5	20.5	60.3
Silver perch	<i>Bairdiella chrysoura</i>		5.5	5.5	16.2
Hardhead catfish	<i>Arius felis</i>	4.0		4.0	11.8
Lane snapper	<i>Lutjanus synagris</i>	2.0		2.0	5.9
Pigfish	<i>Orthopristis chrysoptera</i>		0.5	0.5	1.5
Plainhead filefish	<i>Monacanthus hispidus</i>		0.5	0.5	1.5
Polka-dot batfish	<i>Ogcocephalus cubifrons</i>		0.5	0.5	1.5
Scrawled cowfish	<i>Lactophrys quadricornis</i>		0.5	0.5	1.5
Total		6.0	28.0	34.0	100.0

Note:

CPUE Total reflects the sum of composite efforts.

**Table 3.2.3.3-7
Fisheries Trawl CPUE at CREC Stations Event 2 (6/11/2008)**

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Silver perch	<i>Bairdiella chrysoura</i>	0.5	7.0	7.5	44.1
Pinfish	<i>Lagodon rhomboides</i>		4.5	4.5	26.5
Pigfish	<i>Orthopristis chrysoptera</i>	1.5	1.5	3.0	17.6
Spot	<i>Leiostomus xanthurus</i>		1.5	1.5	8.8
Gray snapper	<i>Lutjanus griseus</i>	0.5		0.5	2.9
Total		2.5	14.5	17.0	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-8
Fisheries Trawl CPUE at CREC Stations Event 3 (8/27/2008 – 8/28/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Silver perch	<i>Bairdiella chrysoura</i>		59.0	59.0	59.3
Atlantic bumper	<i>Chloroscombrus chrysurus</i>		12.5	12.5	12.7
Pigfish	<i>Orthopristis chrysoptera</i>		7.5	7.5	7.6
Pinfish	<i>Lagodon rhomboides</i>		7.0	7.0	7.1
Spotfin mojarra	<i>Eucinostomus argenteus</i>	1.0	4.5	5.5	5.6
Sand seatrout	<i>Cynoscion arenarius</i>		2.0	2.0	2.0
Spotted seatrout	<i>Cynoscion nebulosus</i>		1.5	1.5	1.5
Atlantic croaker	<i>Micropogonias undulatus</i>		1.0	1.0	1.0
Atlantic spadefish	<i>Chaetodipterus faber</i>		0.5	0.5	0.5
Bay anchovy	<i>Anchoa mitchilli</i>		0.5	0.5	0.5
Gulf flounder	<i>Paralichthys albigutta</i>		0.5	0.5	0.5
Lookdown	<i>Selene vomer</i>		0.5	0.5	0.5
Gray snapper	<i>Lutjanus griseus</i>	0.3		0.3	0.3
Hardhead catfish	<i>Arius felis</i>	0.3		0.3	0.3
Total		1.7	97.0	98.7	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-9
Fisheries Trawl CPUE at CREC Stations Event 4 (11/11/2008 – 11/12/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Spotfin Mojarra	<i>Eucinostomus argenteus</i>		44.5	44.5	92.7
Pinfish	<i>Lagodon rhomboides</i>		1.5	1.5	3.1
Silver perch	<i>Bairdiella chrysoura</i>		1.0	1.0	2.1
Common snook	<i>Centropomus undecimalis</i>	0.5		0.5	1.0
Pigfish	<i>Orthopristis chrysoptera</i>		0.5	0.5	1.0
Total		0.5	47.5	48.0	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-10 (Sheet 1 of 2)
Fisheries Trawl CPUE Spatial and Temporal Variation at CREC Stations

Common Name	Station 3				Station 4				CPUE Total	Percent Composition
	4/18/2008	6/11/2008	8/27/2008	11/11/2008	4/18/2008	6/11/2008	8/27/2008	11/11/2008		
Silver perch		0.5			5.5	7.0	59.0	1.0	73.0	36.9
Spotfin Mojarra			1.0				4.5	44.5	50.0	25.3
Pinfish					20.5	4.5	7.0	1.5	33.5	16.9
Atlantic bumper							12.5		12.5	6.3
Pigfish		1.5			0.5	1.5	7.5	0.5	11.5	5.8
Hardhead catfish	4.0		0.3						4.3	2.2
Lane snapper	2.0								2.0	1.0
Sand seatrout							2.0		2.0	1.0
Spot						1.5			1.5	0.8
Spotted seatrout							1.5		1.5	0.8
Atlantic croaker							1.0		1.0	0.5
Gray snapper		0.5	0.3						0.8	0.4
Atlantic spadefish							0.5		0.5	0.3
Bay anchovy							0.5		0.5	0.3
Gulf flounder							0.5		0.5	0.3
Lookdown							0.5		0.5	0.3
Plainhead filefish					0.5				0.5	0.3

Table 3.2.3.3-10 (Sheet 2 of 2)
Fisheries Trawl CPUE Spatial and Temporal Variation at CREC Stations

Common Name	Station 3				Station 4				CPUE Total	Percent Composition
	4/18/2008	6/11/2008	8/27/2008	11/11/2008	4/18/2008	6/11/2008	8/27/2008	11/11/2008		
Polka-dot batfish					0.5				0.5	0.3
Scrawled cowfish					0.5				0.5	0.3
Common snook				0.5					0.5	0.3
Total	6.0	2.5	1.7	0.5	28.0	14.5	97.0	47.5	197.7	100.0
Station Total		10.7				187.0				

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-11
Fisheries Gill Net CPUE at CREC Stations Event 1 (5/2/2008 – 5/3/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Hardhead catfish	<i>Arius felis</i>	3.3	3.4	6.7	33.6
Gafftopsail catfish	<i>Bagre marinus</i>		3.4	3.4	17.2
Atlantic spadefish	<i>Chaetodipterus faber</i>	3.3		3.3	16.4
Black drum	<i>Pogonias cromis</i>	3.3		3.3	16.4
Bull shark	<i>Carcharhinus leucas</i>	3.3		3.3	16.4
Total		13.1	6.9	20.0	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-12
Fisheries Gill Net CPUE at CREC Stations Event 2 (6/11/2008 – 6/14/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
No catch		0.0	0.0	0.0	0.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-13
Fisheries Gill Net CPUE at CREC Stations Event 3 (8/27/2008 – 8/28/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Black drum	<i>Pogonias cromis</i>	31.8	1.4	33.2	36.3
Hardhead catfish	<i>Arius felis</i>		14.0	14.0	15.3
Pinfish	<i>Lagodon rhomboides</i>	3.5	4.2	7.7	8.5
Sheepshead	<i>Archosargus probatocephalus</i>	7.1		7.1	7.7
Blacktip shark	<i>Carcharhinus limbatus</i>		5.6	5.6	6.1
Gafftopsail catfish	<i>Bagre marinus</i>		5.6	5.6	6.1
Cownose ray	<i>Rhinoptera bonasus</i>		4.2	4.2	4.6
Atlantic thread herring	<i>Opisthonema oglinum</i>		2.8	2.8	3.1
Atlantic spadefish	<i>Chaetodipterus faber</i>		1.4	1.4	1.5
Atlantic stingray	<i>Dasyatis sabina</i>		1.4	1.4	1.5
Crevalle jack	<i>Caranx hippos</i>		1.4	1.4	1.5
Longnose gar	<i>Lepisosteus osseus</i>		1.4	1.4	1.5
Red drum	<i>Sciaenops ocellatus</i>		1.4	1.4	1.5
Southern stingray	<i>Dasyatis americana</i>		1.4	1.4	1.5
Spanish mackerel	<i>Scomberomorus maculatus</i>		1.4	1.4	1.5
Spotted eagle ray	<i>Aetobatus narinari</i>		1.4	1.4	1.5
Total		42.4	49.1	91.4	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-14
Fisheries Gill Net CPUE at CREC Stations Event 4 (11/13/2008 – 11/14/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Yellowfin menhaden	<i>Brevoortia smithi</i>		58.3	58.3	28.3
Spinner shark	<i>Carcharhinus brevipinna</i>	24.0	3.4	27.4	13.3
Atlantic thread herring	<i>Opisthonema oglinum</i>		27.4	27.4	13.3
Pinfish	<i>Lagodon rhomboides</i>		20.6	20.6	10.0
Spotted eagle ray	<i>Aetobatus narinari</i>	12.0		12.0	5.8
Blacktip shark	<i>Carcharhinus limbatus</i>		10.3	10.3	5.0
Spanish mackerel	<i>Scomberomorus maculatus</i>		10.3	10.3	5.0
Atlantic spadefish	<i>Chaetodipterus faber</i>	6.0	3.4	9.4	4.6
Silver perch	<i>Bairdiella chrysoura</i>		6.9	6.9	3.3
Spotted seatrout	<i>Cynoscion nebulosus</i>		6.9	6.9	3.3
Atlantic stingray	<i>Dasyatis sabina</i>	6.0		6.0	2.9
Bonnethead shark	<i>Sphyrna tiburo</i>		3.4	3.4	1.7
Ladyfish	<i>Elops saurus</i>		3.4	3.4	1.7
Puffers	<i>Sphoeroides sp.</i>		3.4	3.4	1.7
Total		48.0	157.8	205.8	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-15 (Sheet 1 of 2)
Fisheries Gill Net CPUE Spatial and Temporal Variation at CREC Stations

Common Name	Station 3				Station 4				CPUE Total	Percent Composition
	5/2/2008	6/11/2008	8/5/2008	11/13/2008	5/2/2008	6/11/2008	8/5/2008	11/13/2008		
Yellowfin menhaden								58.3	58.3	18.4
Black drum	3.3		31.8				1.4		36.5	11.5
Atlantic thread herring							2.8	27.4	30.2	9.5
Pinfish			3.5				4.2	20.6	28.3	8.9
Spinner shark				24.0				3.4	27.4	8.6
Hardhead catfish	3.3				3.4		14.0		20.7	6.5
Blacktip shark							5.6	10.3	15.9	5.0
Atlantic spadefish	3.3			6.0			1.4	3.4	14.1	4.4
Spotted eagle ray				12.0			1.4		13.4	4.2
Spanish mackerel							1.4	10.3	11.7	3.7
Gafftopsail catfish					3.4		5.6		9.1	2.9
Atlantic stingray				6.0			1.4		7.4	2.3
Sheepshead			7.1						7.1	2.2
Silver perch								6.9	6.9	2.2
Spotted seatrout								6.9	6.9	2.2
Cownose ray							4.2		4.2	1.3
Bonnethead shark								3.4	3.4	1.1

Table 3.2.3.3-15 (Sheet 2 of 2)
Fisheries Gill Net CPUE Spatial and Temporal Variation at CREC Stations

Common Name	Station 3				Station 4				CPUE Total	Percent Composition
	5/2/2008	6/11/2008	8/5/2008	11/13/2008	5/2/2008	6/11/2008	8/5/2008	11/13/2008		
Ladyfish								3.4	3.4	1.1
Puffers								3.4	3.4	1.1
Bull shark	3.3								3.3	1.0
Crevalle jack							1.4		1.4	0.4
Longnose gar							1.4		1.4	0.4
Red drum							1.4		1.4	0.4
Southern stingray							1.4		1.4	0.4
Total	13.1	0.0	42.4	48.0	6.9	0.0	49.1	157.7	317.1	100.0
Station Total		103.5				213.6				

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-16
Fisheries Cast Net CPUE at CREC Stations Event 1 (4/19/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
White mullet	<i>Mugil curema</i>	6.9		6.9	55.9
Striped mullet	<i>Mugil cephalus</i>	3.1	0.9	4.0	32.8
Atlantic needlefish	<i>Strongylura marina</i>		0.5	0.5	3.7
Sheepshead	<i>Archosargus probatocephalus</i>		0.5	0.5	3.7
Striped burrfish	<i>Chilomycterus schoepfi</i>		0.5	0.5	3.7
Total		10.0	2.3	12.3	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-17
Fisheries Cast Net CPUE at CREC Stations Event 2 (6/11/2008 – 6/14/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Striped mullet	<i>Mugil cephalus</i>	1.5	1.5	3.0	26.1
Atlantic bumper	<i>Chloroscombrus chrysurus</i>		2.0	2.0	17.4
Blue runner	<i>Caranx crysos</i>		2.0	2.0	17.4
White mullet	<i>Mugil curema</i>	1.0	0.5	1.5	13.0
Gray snapper	<i>Lutjanus griseus</i>	0.5	0.5	1.0	8.7
Black drum	<i>Pogonias cromis</i>	0.5		0.5	4.3
Pigfish	<i>Orthopristis chrysoptera</i>		0.5	0.5	4.3
Sheepshead	<i>Archosargus probatocephalus</i>	0.5		0.5	4.3
Spanish mackerel	<i>Scomberomorus maculatus</i>		0.5	0.5	4.3
Total		4.0	7.5	11.5	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-18
Fisheries Cast Net CPUE at CREC Stations Event 3 (8/27/2008 – 8/28/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Striped mullet	<i>Mugil cephalus</i>	4.5	1.0	5.5	47.8
Atlantic silverstripe halfbeak	<i>Hyporhamphos unifasciatus</i>	3.5		3.5	30.4
Common mojarra	<i>Eucinostomus gula</i>		0.5	0.5	4.3
Gray snapper	<i>Lutjanus griseus</i>		0.5	0.5	4.3
Pinfish	<i>Lagodon rhomboides</i>	0.5		0.5	4.3
Sheepshead	<i>Archosargus probatocephalus</i>		0.5	0.5	4.3
Polka-dot batfish	<i>Ogcocephalus cubifrons</i>		0.5	0.5	4.3
Total		8.5	3.0	11.5	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-19
Fisheries Cast Net CPUE at CREC Stations Event 4 (11/12/2008 – 11/14/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Striped mullet	<i>Mugil cephalus</i>	1.0	1.0	2.0	29.6
White mullet	<i>Mugil curema</i> †††	1.8		1.8	25.9
Pinfish	<i>Lagodon rhomboides</i>		1.5	1.5	22.2
Spotfin Mojarra	<i>Eucinostomus argenteus</i>		1.0	1.0	14.8
Crevalle jack	<i>Caranx hippos</i>	0.3		0.3	3.7
Red drum	<i>Sciaenops ocellatus</i>	0.3		0.3	3.7
Total		3.3	3.5	6.8	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-20
Fisheries Cast Net CPUE Spatial and Temporal Variation at CREC Stations

Common Name	Station 3				Station 4				CPUE Total	Percent Composition
	4/19/2008	6/12/2008	8/27/2008	11/13/2008	4/19/2008	6/12/2008	8/27/2008	11/13/2008		
Striped mullet	3.1	1.5	4.5	1	0.9	1.5	1.0	1	14.5	34.5
White mullet	6.9	1.0		1.8		0.5			10.2	24.1
Atlantic silverstripe halfbeak			3.5						3.5	8.3
Atlantic bumper						2.0			2.0	4.7
Blue runner						2.0			2.0	4.7
Pinfish			0.5					1.5	2.0	4.7
Gray snapper		0.5				0.5	0.5		1.5	3.6
Sheepshead		0.5			0.5		0.5		1.5	3.4
Spotfin mojarra								1.0	1.0	2.4
Black drum		0.5							0.5	1.2
Common mojarra							0.5		0.5	1.2
Pigfish						0.5			0.5	1.2
Spanish mackerel						0.5			0.5	1.2
Polka-dot batfish							0.5		0.5	1.2
Atlantic needlefish					0.5				0.5	1.1
Striped burrfish					0.5				0.5	1.1
Creville jack				0.3					0.3	0.7
Red drum				0.3					0.3	0.7
Total	10.0	4.0	8.5	3.4	2.3	7.5	3.0	3.5	42.2	100.0
Station Total	25.9				16.3					

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-21
Fisheries Minnow Trap CPUE at CREC Stations Event 1 (5/3/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Pinfish	<i>Lagodon rhomboides</i>		0.4	0.4	50.0
Pigfish	<i>Orthopristis chrysoptera</i>		0.3	0.3	29.5
Gulf toadfish	<i>Opsanus beta</i>		0.1	0.1	10.2
Silver perch	<i>Bairdiella chrysoura</i>		0.1	0.1	10.2
Total		0.0	0.9	0.9	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-22
Fisheries Minnow Trap CPUE at CREC Stations Event 2 (6/12/2008 – 6/13/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Pinfish	<i>Lagodon rhomboides</i>		0.6	0.6	53.8
Pigfish	<i>Orthopristis chrysoptera</i>		0.4	0.4	31.1
Florida blenny	<i>Chasmodes saburrae</i>		0.1	0.1	7.6
Silver perch	<i>Bairdiella chrysoura</i>		0.1	0.1	7.6
Total		0.0	1.2	1.2	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-23
Fisheries Minnow Trap CPUE at CREC Stations Event 3 (9/4/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Naked goby	<i>Gobiosoma bosc</i>	0.1		0.1	100.0
Total		0.1	0.0	0.1	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 3.2.3.3-24
Fisheries Minnow Trap CPUE at CREC Stations Event 4 (11/12/2008 – 11/13/2008)

Common Name	Species Name	Station 3	Station 4	CPUE Total	Percent Composition
Goby	Gobiidae		0.4	0.4	68.1
Spotfin Mojarra	<i>Eucinostomus argenteus</i>	0.2		0.2	31.9
Total		0.2	0.4	0.6	100.0

Note:

CPUE Total reflects the sum of composite efforts.

**Table 3.2.3.3-25
Fisheries Minnow Trap CPUE Spatial and Temporal Variation at CREC Stations**

Common Name	Station 3				Station 4				CPUE Total	Percent Composition
	5/3/2008	6/12/2008	9/4/2008	11/12/2008	5/3/2008	6/12/2008	9/4/2008	11/12/2008		
Pinfish					0.4	0.6			1.1	38.5
Pigfish					0.3	0.4			0.6	22.5
Goby								0.4	0.4	14.3
Spotfin Mojarra				0.2					0.2	7.1
Silver perch					0.1	0.1			0.2	6.4
Naked goby			0.1						0.1	4.8
Florida blenny						0.1			0.1	3.3
Gulf toadfish					0.1				0.1	3.1
Total	0.0	0.0	0.1	0.2	0.9	1.2	0.0	0.4	2.8	100.0
Station Total		0.3				2.5				

Note:

CPUE Total reflects the sum of composite efforts.

**Table 3.3.1-1
Summary of Sediment Characteristics at OWR Stations**

Station	Description	TOC (mg/kg) [Range]	Particle Size (percent) [Range]			
			Gravel	Sand	Silt	Clay
CFBC 8	Near the confluence of CFBC and OWR	32,900 [9,700 - 54,000]	17.9 [12.9 - 20.5]	38.9 [24.4 - 58.9]	42.6 [27.9 - 52.7]	0.9 [0.0 - 2.5]
CFBC 9	Mid-way along the OWR	54,000 [45,000 - 63,000]	20.8 [6.9 - 34.6]	61.3 [53.4 - 69.2]	14.6 [8.9 - 20.3]	3.5 [3.3 - 3.6]
CFBC 10	Below the Inglis Dam	29,000 [16,000 - 40,000]	6.3 [2.3 - 9.4]	70.1 [51.3 - 80.2]	22.7 [10.1 - 44.5]	0.8 [0.2 - 1.8]

Notes:

All results are an average of three station replicates as well as TOC field duplicates during one sampling event. Two replicate samples were collected at Station CFBC 9.

Particle size distribution for each station may not equal 100 percent due to rounding.

CFBC = Cross Florida Barge Canal

mg/kg = milligram per kilogram

mi. = mile

TOC = Total Organic Carbon

**Table 3.3.2-1
Summary of Average Salinity at OWR Stations**

Station ID	Description	Average Station Salinity (pss) [Range]		
		June, 2008 Event	August, 2008 Event	Overall Average
CFBC 8	Near confluence of CFBC and OWR	4.02 [0.16 - 12.25]	0.16 [0.16 - 0.16]	2.92 [0.16 - 12.25]
CFBC 9	Mid-way along the OWR	0.15 [0.15 - 0.15]	0.16 [0.16 - 0.16]	0.16 [0.15 - 0.16]
CFBC 10	Below Inglis Dam	0.15 [0.14 - 0.16]	0.16 [0.16 - 0.16]	0.15 [0.14 - 0.16]

Notes:

pss = practical salinity scale
CFBC = Cross Florida Barge Canal
mi. = mile

Table 3.3.2-2
Summary of Average Temperature at OWR Stations

Station ID	Description	Average Station Temperature (°C) [Range]		
		June, 2008 Event	August, 2008 Event	Overall Average
CFBC 8	Near confluence of CFBC and OWR	28.93	28.05	28.68
		[28.52 - 29.32]	[28.04 - 28.05]	[28.04 - 29.32]
CFBC 9	Mid-way along the OWR	28.98	28.01	28.33
		[28.97 - 28.98]	[27.98 - 28.04]	[27.98 - 28.98]
CFBC 10	Below Inglis Dam	28.43	27.84	28.27
		[28.13 - 29.42]	[27.73 - 27.97]	[27.73 - 29.42]

Notes:

°C = degrees Celsius

CFBC = Cross Florida Barge Canal

mi. = mile

Table 3.3.2-3
Summary of Dissolved Oxygen, pH, and Water Clarity at OWR Stations

Station ID	Description	Average DO (mg/L) [Range]	pH Range (SU)	Average Secchi depth (m) [Range]
CFBC 8	Near confluence of CFBC and OWR	5.48 [1.93 - 8.96]	7.20 - 8.42	1.52 [1.18 - 1.84]
CFBC 9	Mid-way along the OWR	7.39 [4.35 - 8.87]	7.71 - 8.41	1.48 [1.32 - 1.64]
CFBC 10	Below Inglis Dam	4.87 [2.51 - 8.79]	7.56 - 8.34	1.05 [0.91 - 1.18]

Notes:

CFBC = Cross Florida Barge Canal
m = meter
mi. = mile
mg/L = milligram per liter
SU = standard unit

Table 3.3.3.1
OWR Benthic Infauna Abundance (Number per m2) of Major Taxa per Station

Major Taxon	Station 8	Station 9	Station 10	Total	Percent Composition
Oligochaeta			20,007	20,007	52.5
Diptera	5,009	531	4,736	10,276	27.0
Polychaeta	1,105	1,005	172	2,282	6.0
Amphipoda	115	301	1,579	1,995	5.2
Bivalvia	631	603	388	1,622	4.3
Gastropoda	57	531	144	732	1.9
Hirudinea	14		531	545	1.4
Isopoda			517	517	1.4
Trichoptera			86	86	0.2
Nemertea		57		57	0.2
Total	6,932	3,028	28,158	38,119	100.0

Table 3.3.3.1-2 (Sheet 1 of 2)
OWR Benthic Infauna Abundance per Species

Major Taxon	Organism Name	Number per m ²		
		Station 8	Station 9	Station 10
Amphipoda	Amphipoda (LPIL)	57		
Amphipoda	Aoridae (LPIL)	57		
Amphipoda	Gammarus cf. Tigrinus lecrocy		301	
Amphipoda	Gammarus sp.			14
Amphipoda	Hyalella azteca complex lecrocy			1564
Bivalvia	Corbicula fluminea			201
Bivalvia	Mytilopsis leucophaeata	631	603	57
Bivalvia	Pisidiidae (LPIL)			129
Diptera	Chironomidae (LPIL)			100
Diptera	Chironomidae pupae (LPIL)			57
Diptera	Chironomus decorus group epler			273
Diptera	Chironomus sp.	4664	416	100
Diptera	Cladopelma sp.			86
Diptera	Cladotanytarsus sp.			43
Diptera	Claxdotanytarsus sp. A epler			172
Diptera	Cryptochironomus sp.			43
Diptera	Cryptotendipes sp.			57
Diptera	Dicrotendipes modestus			1679
Diptera	Dicrotendipes sp.	57		57
Diptera	Diptera (LPIL)			100
Diptera	Polypedilum halterale group epler			129
Diptera	Procladius (holotanypus) sp.	57		86
Diptera	Procladius bellus var. 2 epler			57
Diptera	Procladius sp.		57	
Diptera	Pseudochironomus sp.		57	789
Diptera	Tanytarsini (LPIL)			57
Diptera	Tanytarsus sp.	230		215
Diptera	Tanytarsus sp. G epler			574
Diptera	Tanytarsus sp. K epler			29
Diptera	Tanytarsus sp. L epler			29

Table 3.3.3.1-2 (Sheet 2 of 2)
OWR Benthic Infauna Abundance per Species

Major Taxon	Organism Name	Number per m ²		
		Station 8	Station 9	Station10
Gastropoda	Cf. Pyrgophorus platyrachis			14
Gastropoda	Gastropoda (LPIL)			57
Gastropoda	Hydrobiidae (LPIL)		158	
Gastropoda	Pyrgophorus platyrachis	57	373	72
Hirudinea	Gloiobdella elongata			344
Hirudinea	Helobdella stagnalis	14		187
Isopoda	Caecidotea sp.			517
Nemertea	Nemertea (LPIL)		57	
Oligochaeta	Aulodrilus pigueti			115
Oligochaeta	Bratislavia unidentata			287
Oligochaeta	Dero digitata complex			230
Oligochaeta	Dero sp.			100
Oligochaeta	Ilyodrilus templetoni			215
Oligochaeta	Limnodrilus hoffmeisteri			344
Oligochaeta	Tubificoid naididae imm sp. A (LPIL)			15844
Oligochaeta	Tubificoid naididae imm sp. B (LPIL)			2870
Polychaeta	Boccardiella sp.		201	86
Polychaeta	Hobsonia florida	115	172	86
Polychaeta	Laeonereis culveri	344	502	
Polychaeta	Lumbrineris sp.		72	
Polychaeta	Stenionereis martini	646	57	
Trichoptera	Oecetis inconspicua complex pescador			57
Trichoptera	Trichoptera (pupae)			29
Total		6,932	3,028	28,158
Number of Taxa		12	13	44

**Table 3.3.3.2-1
Fisheries Beach Seine CPUE for OWR**

Common Name	Species Name	Station 8	Station 9	Station 10	CPUE Total	Percent Composition
Seminole killifish	<i>Fundulus seminolis</i>			10.0	10.0	33.3
Largemouth bass	<i>Micropterus salmoides</i>		1.0	8.0	9.0	30.0
Inland silverside	<i>Menidia beryllina</i>	3.5		2.0	5.5	18.3
Spotfin mojarra	<i>Eucinostomus argenteus</i>	2.0			2.0	6.7
Sunfish	<i>Lepomis sp.</i>			1.0	1.0	3.3
Golden shiner	<i>Notemigonus crysoleucas</i>			1.0	1.0	3.3
Mosquitofish	<i>Gambusia affinis</i>			0.5	0.5	1.7
Pinfish	<i>Lagodon rhomboides</i>	0.5			0.5	1.7
Sailfin molly	<i>Poecilia latipinna</i>			0.5	0.5	1.7
Total		6.0	1.0	23.0	30.0	100.0

Note:

CPUE Total reflects the sum of composite efforts.

**Table 3.3.3.2-2
Fisheries Cast Net Sampling CPUE or OWR**

Common Name	Species Name	Station 8	Station 9	Station 10	CPUE Total	Percent Composition
Bay anchovy	<i>Anchoa mitchilli</i>	0.5	1.0		1.5	15.8
Tidewater mojarra	<i>Eucinostomus harengulus</i>	1.5			1.5	15.8
Catfish	<i>Ameiurus sp.</i>			1.0	1.0	10.5
Florida gar	<i>Lepisosteus platyrhinchus</i>			1.0	1.0	10.5
Seminole killifish	<i>Fundulus seminolis</i>			1.0	1.0	10.5
Sheepshead	<i>Archosargus probatocephalus</i>	0.5	0.5		1.0	10.5
Redear sunfish	<i>Lepomis microlophus</i>			0.5	0.5	5.3
Sailfin armored catfish	<i>Pterygoplichthys sp.</i>			0.5	0.5	5.3
Largemouth bass	<i>Micropterus salmoides</i>	0.5			0.5	5.3
Pinfish	<i>Lagodon rhomboides</i>	0.5			0.5	5.3
Scaled sardine	<i>Harengula jaguana</i>	0.5			0.5	5.3
Total		4.0	1.5	4.0	9.5	100.0

Note:

CPUE Total reflects the sum of composite efforts.

**Table 3.3.3.2-3
Fisheries Minnow Trap CPUE for OWR**

Common Name	Species Name	Station 8	Station 9	Station 10	CPUE Total	Percent Composition
Bluefin Killifish	<i>Lucania goodie</i>			9.5	9.5	93.1
Largemouth bass	<i>Micropterus salmoides</i>		0.3		0.3	2.9
Swamp darter	<i>Etheostoma fusiforme</i>			0.2	0.2	2.0
Redbreast sunfish	<i>Lepomis auritus</i>		0.1		0.1	1.0
Sunfish	<i>Lepomis sp.</i>			0.1	0.1	1.0
Total		0.0	0.4	9.8	10.2	100.0

Note:

CPUE Total reflects the sum of composite efforts.

Table 4-1
Federally and State-Listed Threatened and Endangered Aquatic Species that have the
Potential to Occur in the Vicinity of the LNP Site

Common Name	Scientific Name	Federal Status	State Status
Mammals			
West Indian manatee	<i>Trichechus manatus</i>	LE	LE
Reptiles			
American alligator ^a	<i>Alligator mississippiensis</i>	Treated as Threatened ^a	LS
Loggerhead sea turtle	<i>Caretta caretta</i>	LT	LT
Green sea turtle	<i>Chelonia mydas</i>	LE	LE
Leatherback sea turtle	<i>Dermochelys coriacea</i>	LE	LE
Hawksbill sea turtle	<i>Eretmochelys imbricata</i>	LE	LE
Kemp's Ridley sea turtle	<i>Lepidochelys kempii</i>	LE	LE
Suwannee Cooter	<i>Pseudemys concinna suwanniensis</i>	N	LS
Fish			
Gulf sturgeon	<i>Acipenser oxyrinchus desotoi</i>	LT	LS
Smalltooth sawfish	<i>Pristis pectinata</i>	LE	N

Notes:

a) The American alligator's federal status is "Treated as Threatened" by the USFWS due to the close resemblance to the American crocodile.

N = Not Listed

LE = Listed Endangered

LS = Listed State Species of Special Concern

LT = Listed Threatened

USFWS = U.S. Fish and Wildlife Service

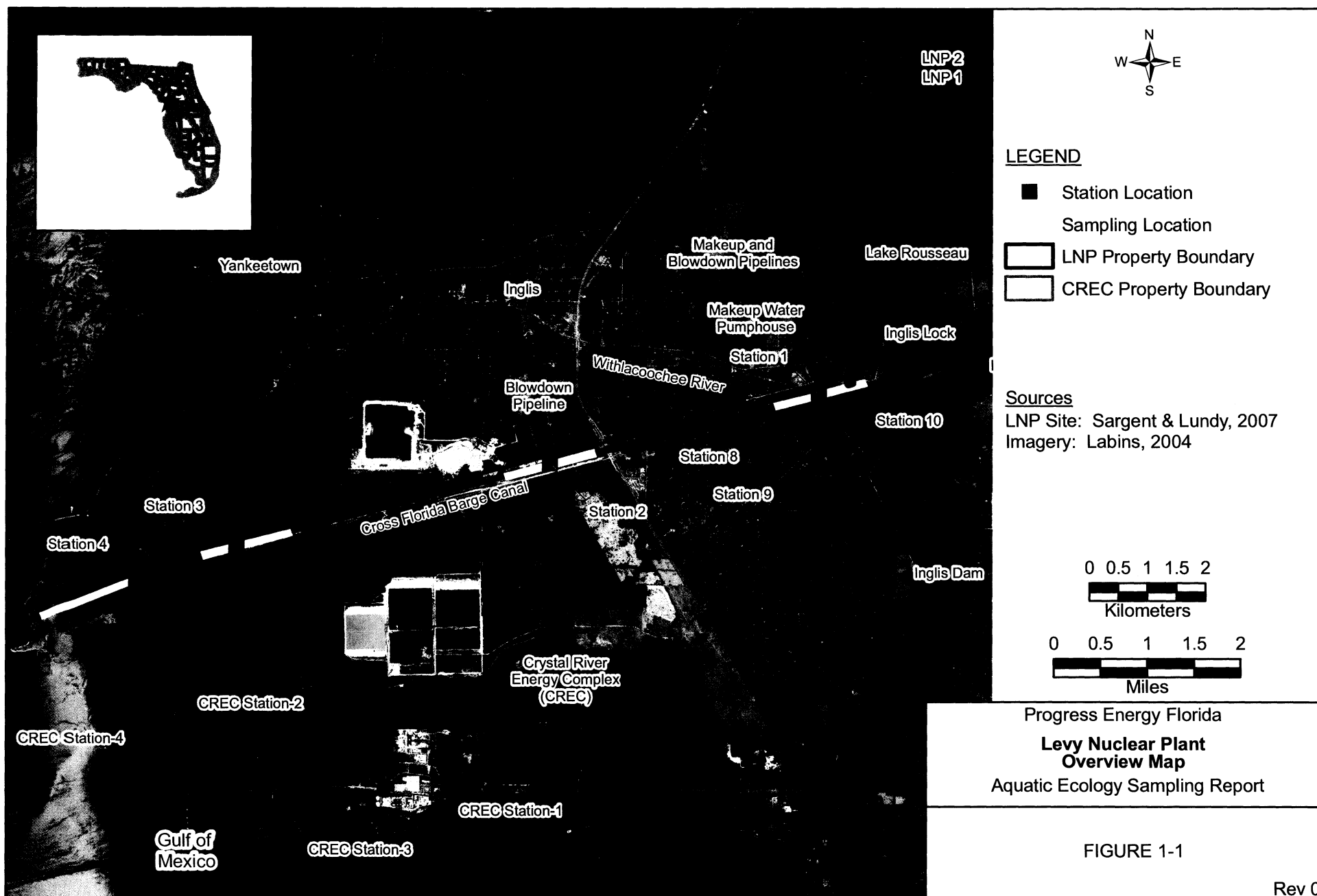
Source: Florida Fish and Wildlife Conservation Commission. 2007. "Florida's Endangered Species, Threatened Species, and Species of Special Concern."

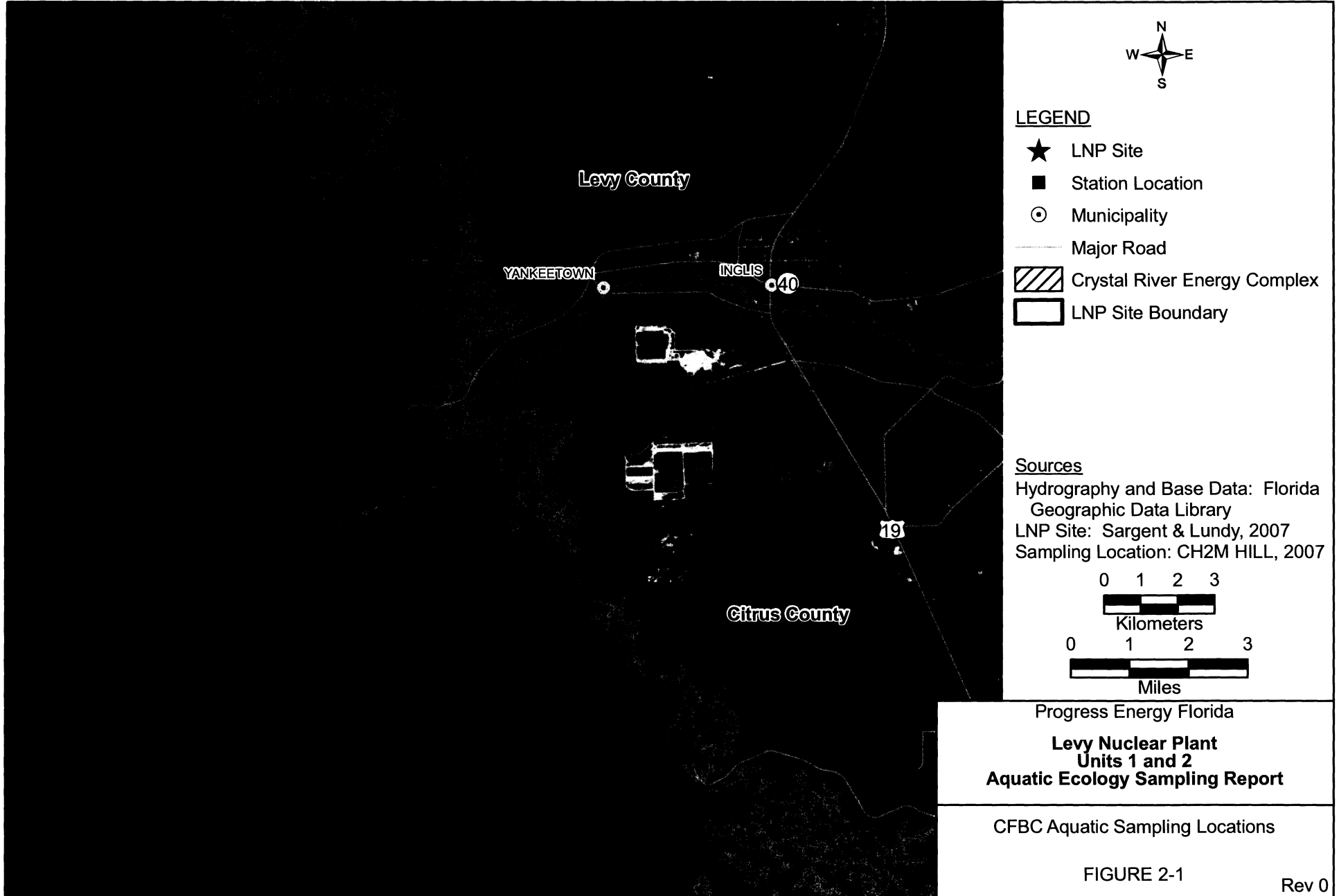
Table 4-2
Federally and State Threatened and Endangered Aquatic Species Observations in the Cross Florida Barge Canal

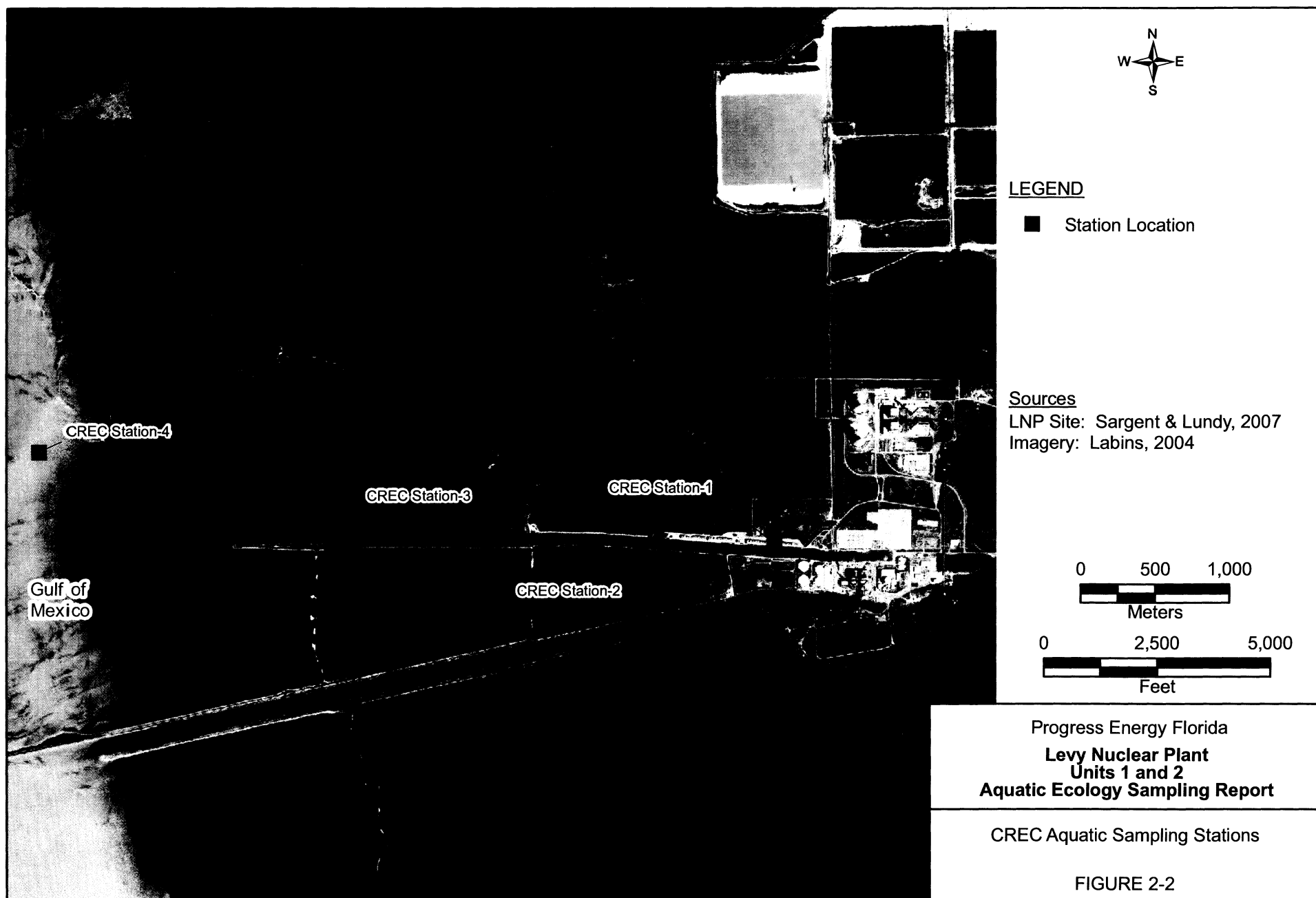
Common Name	Scientific Name	Date	Location	Notes
West Indian manatee	<i>Trichechus manatus</i>	5/8/2007	Immediately downstream of the Inglis Lock	3 manatees (age indeterminate)
		10/16/2007	Near Station 3	One manatee (age indeterminate)
		11/13/2007	Near Station 4	1 adult manatee during an aerial survey
		12/4/2007	Southwest of Station 4 in the shallows	1 manatee (age indeterminate)
		5/1/2008	Near Station 2	1 adult manatee
		5/7/2008	Near Station 4	2 manatee, 1 adult and 1 juveniles
		5/27/2008	Near Station 1	6 manatee, 2 adults 4 juveniles
		6/18/2008	Near Station 4	2 juveniles swimming along shoreline
		7/21/2008	Near Station 2	1 adult manatee
		10/28/2008	Near Station 4	1 manatee (age indeterminate) swimming upstream with floating marker attached
American alligator	<i>Alligator mississippiensis</i>	10/16/2007	Near Station 2	1 adult alligator on the CFBC bank
		10/16/2007	Near Station 1	1 alligator (age indeterminate)
		10/16/2007	Near Station 3	1 alligator (age indeterminate)
Sea turtles	Not Identified to species	September, October and December 2007	Near Station 7	Five (5) brief encounters between October and December 2007. Age and species indeterminate

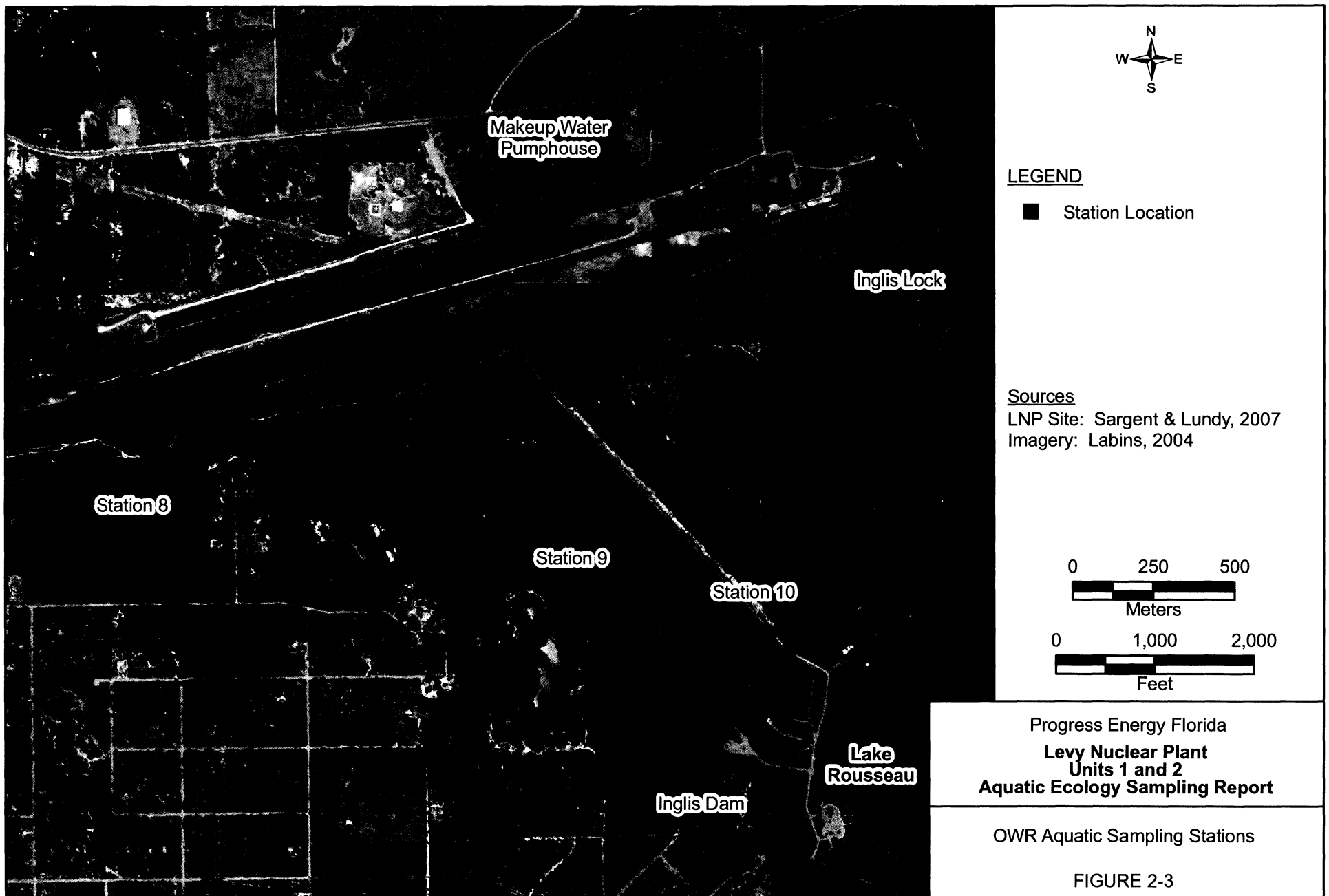
Table 4-3
Federally and State Threatened and Endangered Aquatic Species Observations in the Crystal River Energy Discharge

Common Name	Scientific Name	Date	Location	Notes
West Indian manatee	<i>Trichechus manatus</i>	9/3/2008	Near Station 3	1 adult manatee swimming east in discharge canal toward plant
		4/17/2008	Near Station 3	Approximately 12 adult manatee swimming in discharge canal and adjacent shallows
		4/18/2008	Near Station 3	Approximately 10 manatee swimming in discharge canal. At least one mother and juvenile
		5/1/2008	Near Station 3	Approximately 6 adult manatee swimming in discharge canal
		5/2/2008	Near Station 3	Approximately 6 adult manatee swimming in discharge canal
		7/23/2008	Near Station 3	1 manatee (age indeterminate)
		11/10 – 11/17/2008	Near Stations 1, 2, and 3	Approximately 15-20 manatee observed each day in the discharge canal (inside and outside floating barrier) and in shallows near canal
Sea turtles	Not Identified to species	8/27/08	Near Station 4	Sea turtle observed at surface
		11/12/2008	Near Station 3	Sea turtle observed at surface









Cross Florida Barge Canal Depth Profile

POINT (#) , DEPTH (Ft.)

1, 17.4
2, 14.23
3, 15.32
4, 15.76
5, 14.52
6, 16.25
7, 12.68
8, 14.26
9, 11.44
10, 12.17
11, 8.63
12, 12.65
13, 13.9
14, 9.62
15, 14.19
16, 14.84
17, 15.47
18, 18.18
19, 17.56
20, 17.22
21, 11.4
22, 17.59
23, 18.18
24, 15.98
25, 16.05
26, 17.97



LEGEND

- City/Town
- Major Road
- River and Stream
- Lake and Pond
- Cross Florida Barge Canal
- ▨ Swamp and Marsh
- ▨ Wetland (NWI)
- ▭ LNP Site Boundary
- ▭ County Boundary

Depth Profile

8.63 ft. 17.97 ft.

Sources

LNP Site: Sargent & Lundy, 2007
Hydrography and Base Data: Florida
Geographic Data Library
Cross Florida Barge Canal Depth
Profile: CH2M HILL, 2008

0 0.5 1

Kilometers

0 0.5 1

Miles

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CFBC Depth Profile

FIGURE 3.1.2-1

Rev 0

Water Surface

Water Depth (m)

0.15
1
2
3
4

0

5

10

15

20

25

30

35

Salinity (pss)

- CFBC 1
- CFBC 2
- CFBC 3
- CFBC 4
- CFBC 5
- CFBC 6
- CFBC 7

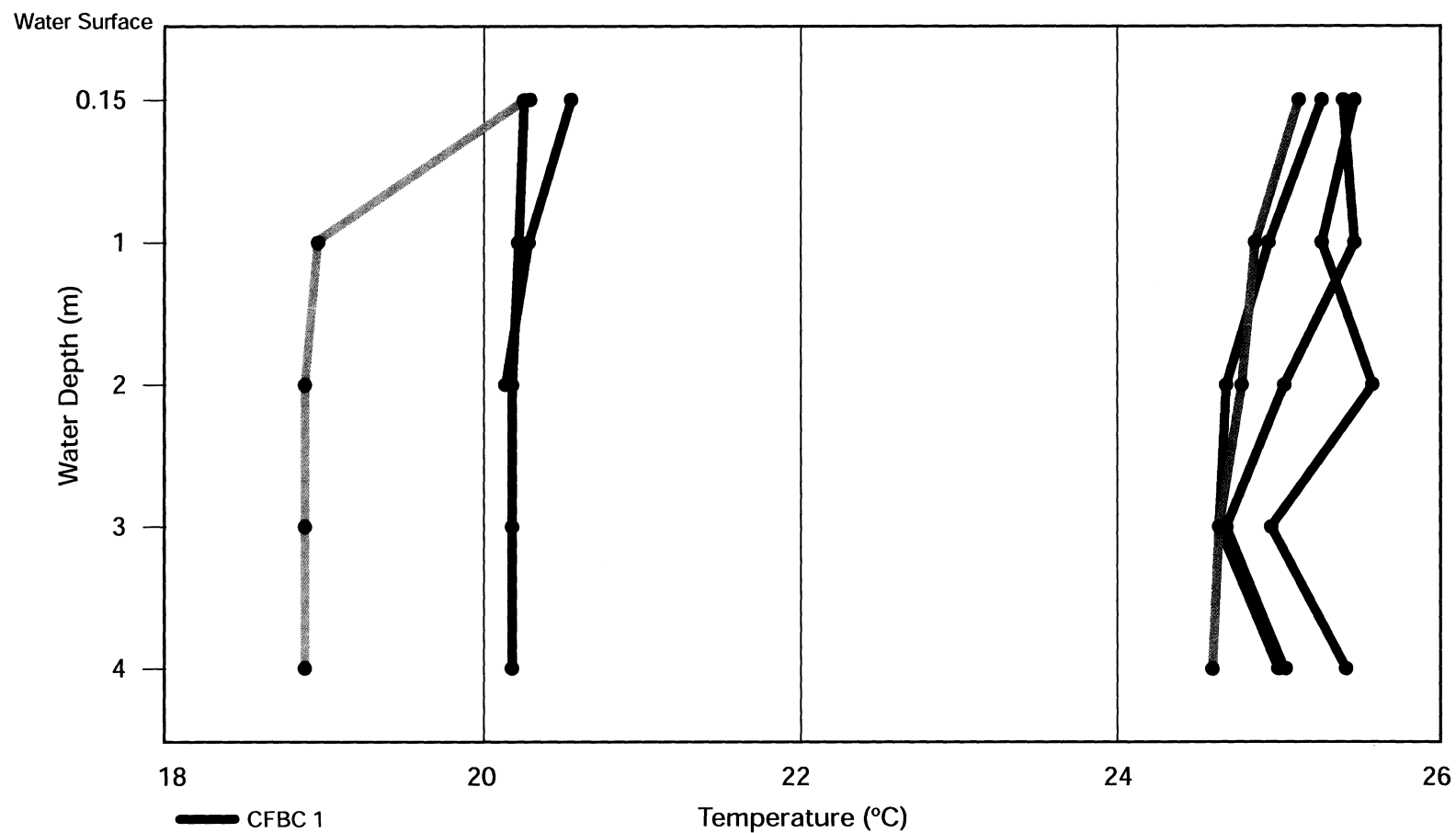
Note: CFBC Station 5 total water depth is less than 3 meters.

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Average Salinity (pss) at CFBC Stations

FIGURE 3.1.2-2

Rev 0



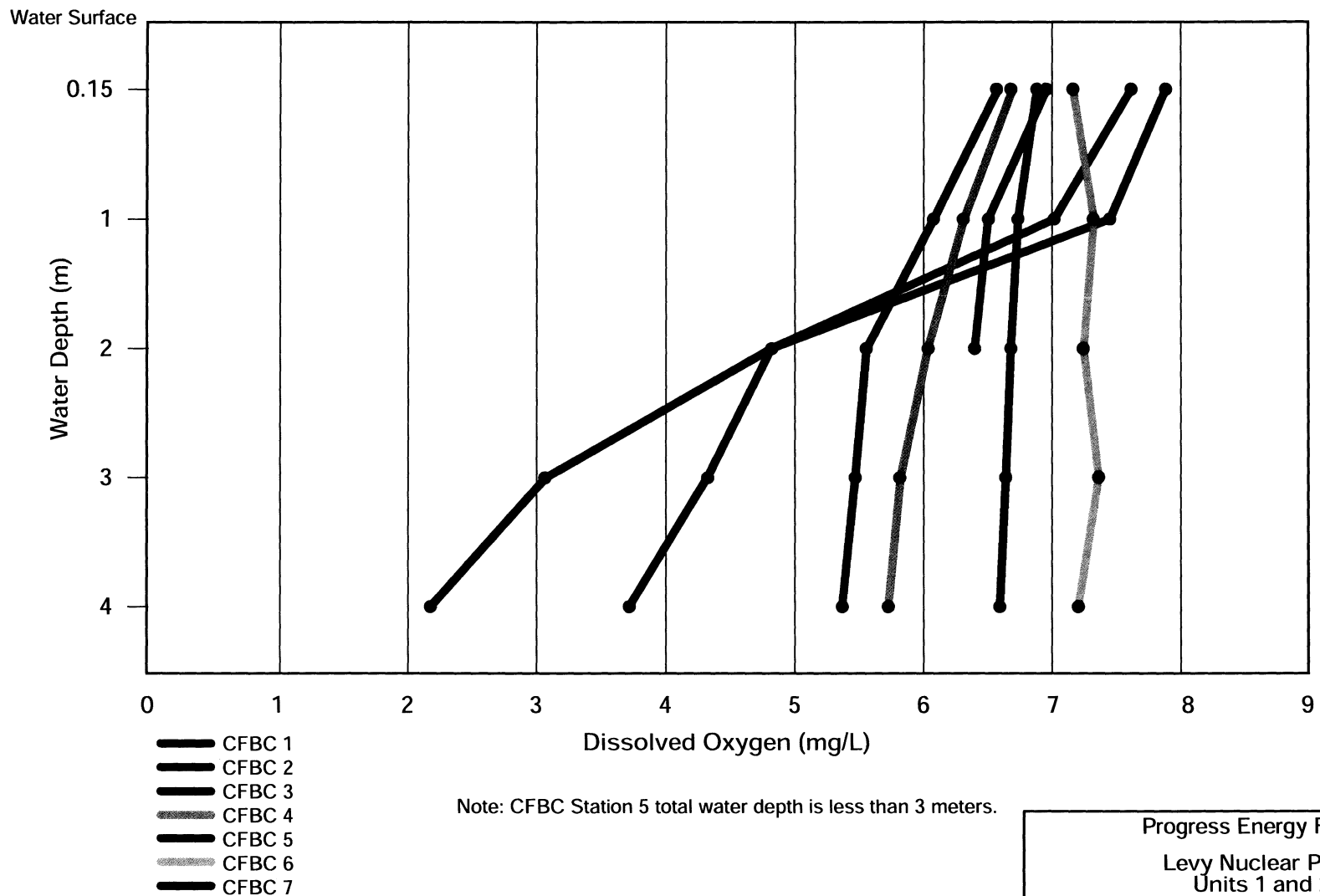
Note: CFBC Station 5 total water depth is less than 3 meters.

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Average Temperature (°C) at CFBC Stations

FIGURE 3.1.2-3

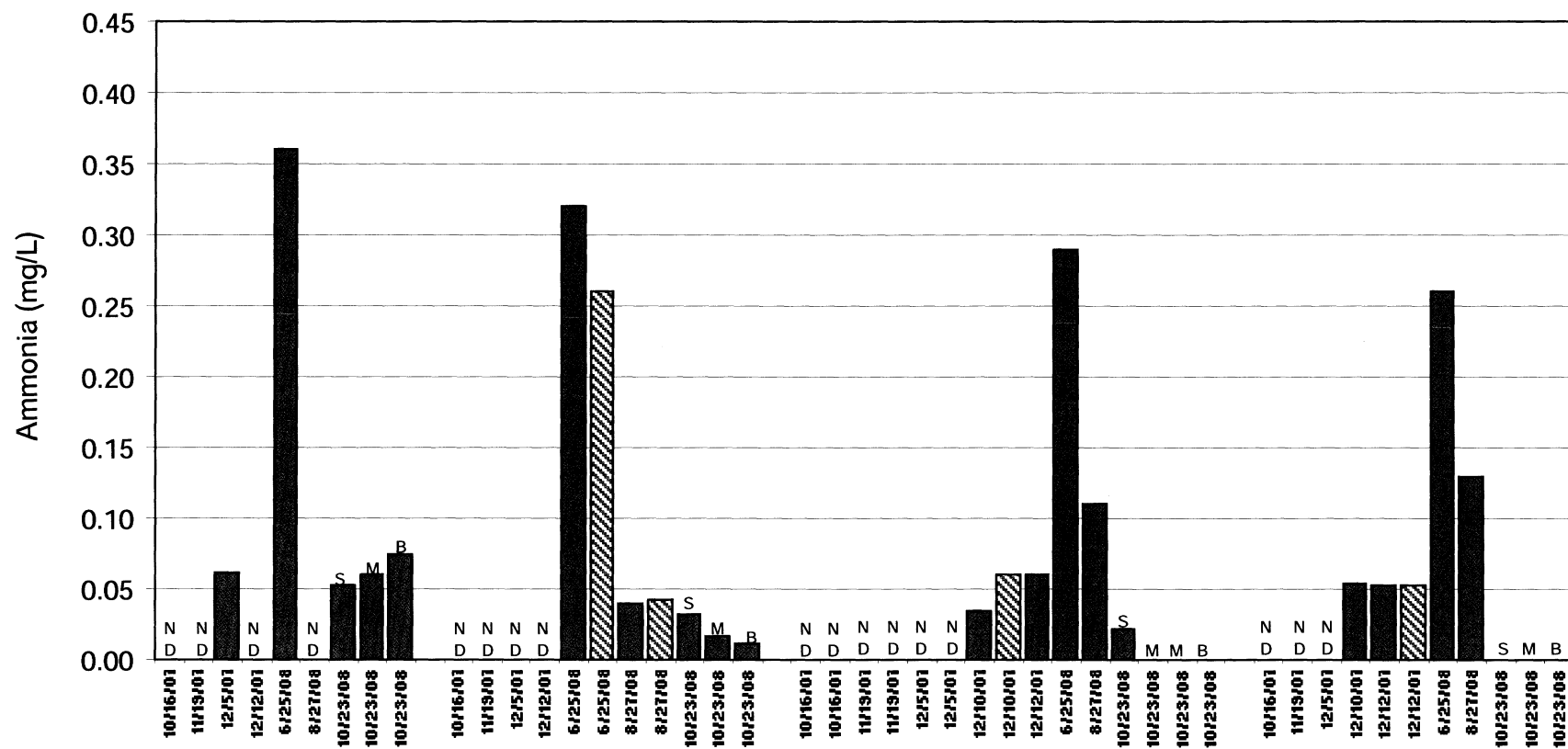
Rev 0



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Average Dissolved Oxygen (mg/L)
at CFBC Stations
FIGURE 3.1.2-4

Rev 0



Native Sample
 Duplicate Sample

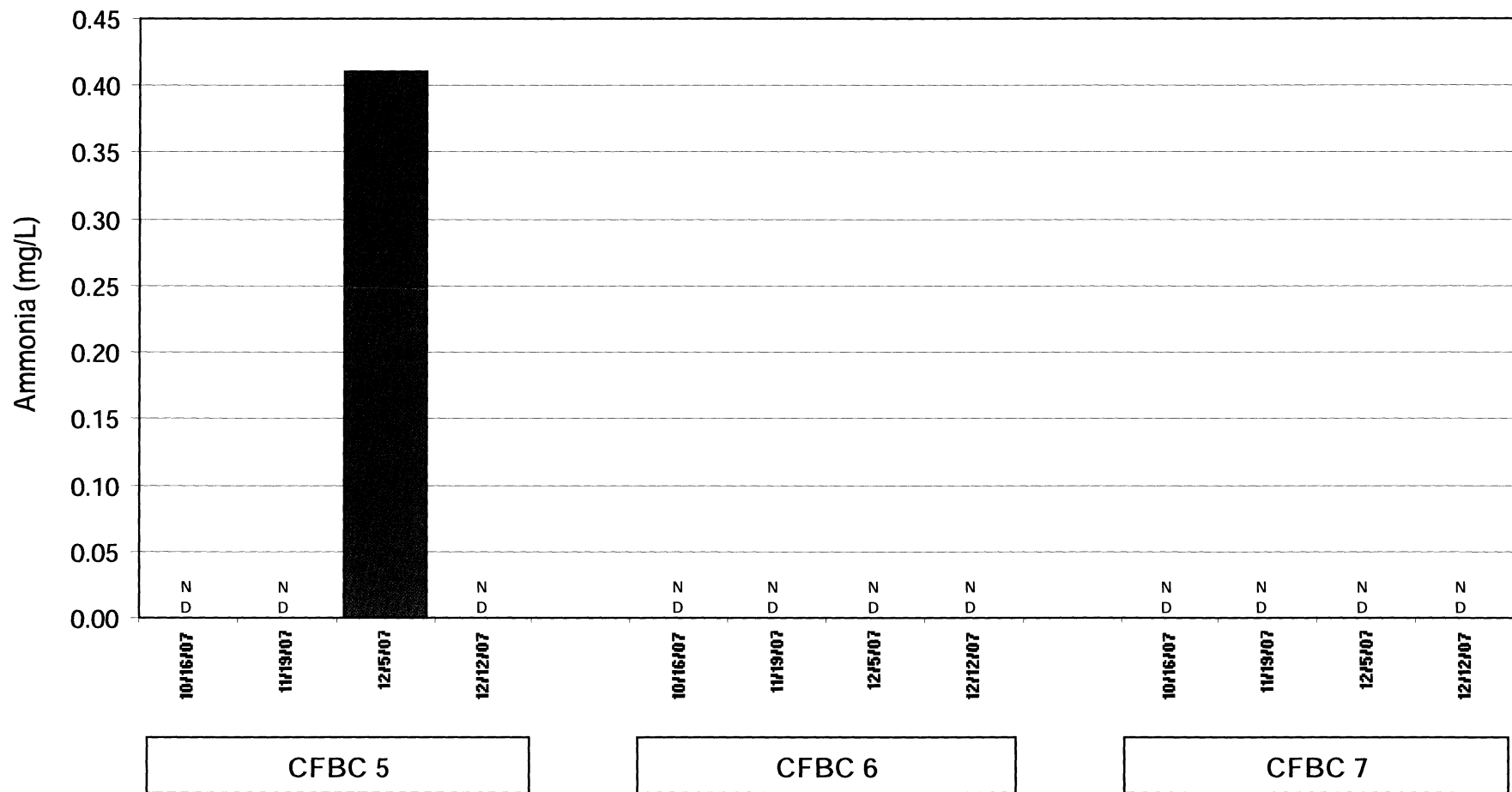
S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample
 ND = Not Detected, below method detection limit or reporting limit
 Note: All other samples taken at mid depth unless otherwise noted.

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Ammonia (mg/L) at CFBC Stations

FIGURE 3.1.2-5

Rev 0



■ Native Sample
 ▨ Duplicate Sample

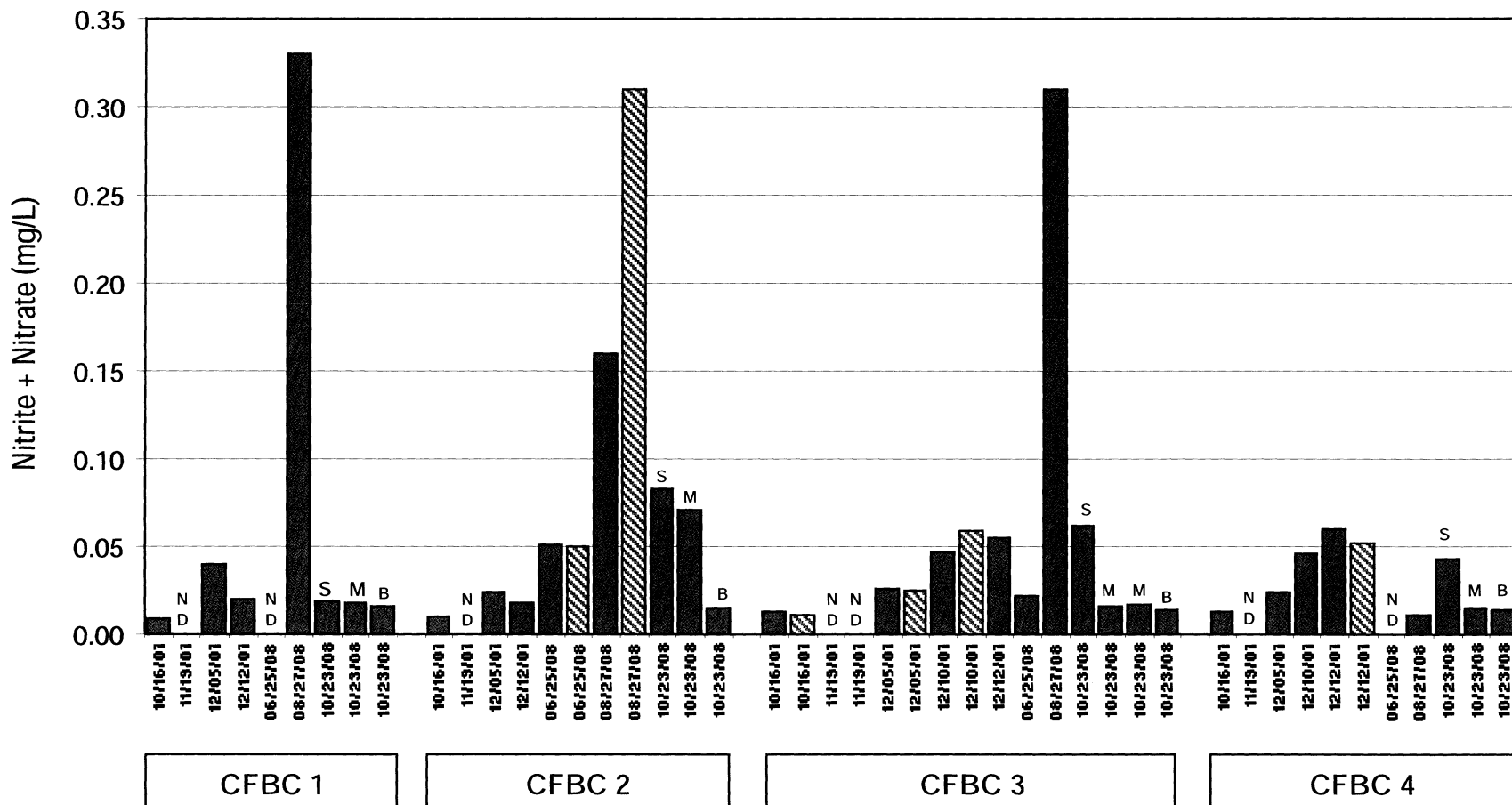
S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample
 ND = Not Detected, below method detection limit or reporting limit
 Note: All other samples taken at mid depth unless otherwise noted.

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Ammonia (mg/L) Offshore of the CFBC

FIGURE 3.1.2-6

Rev 0



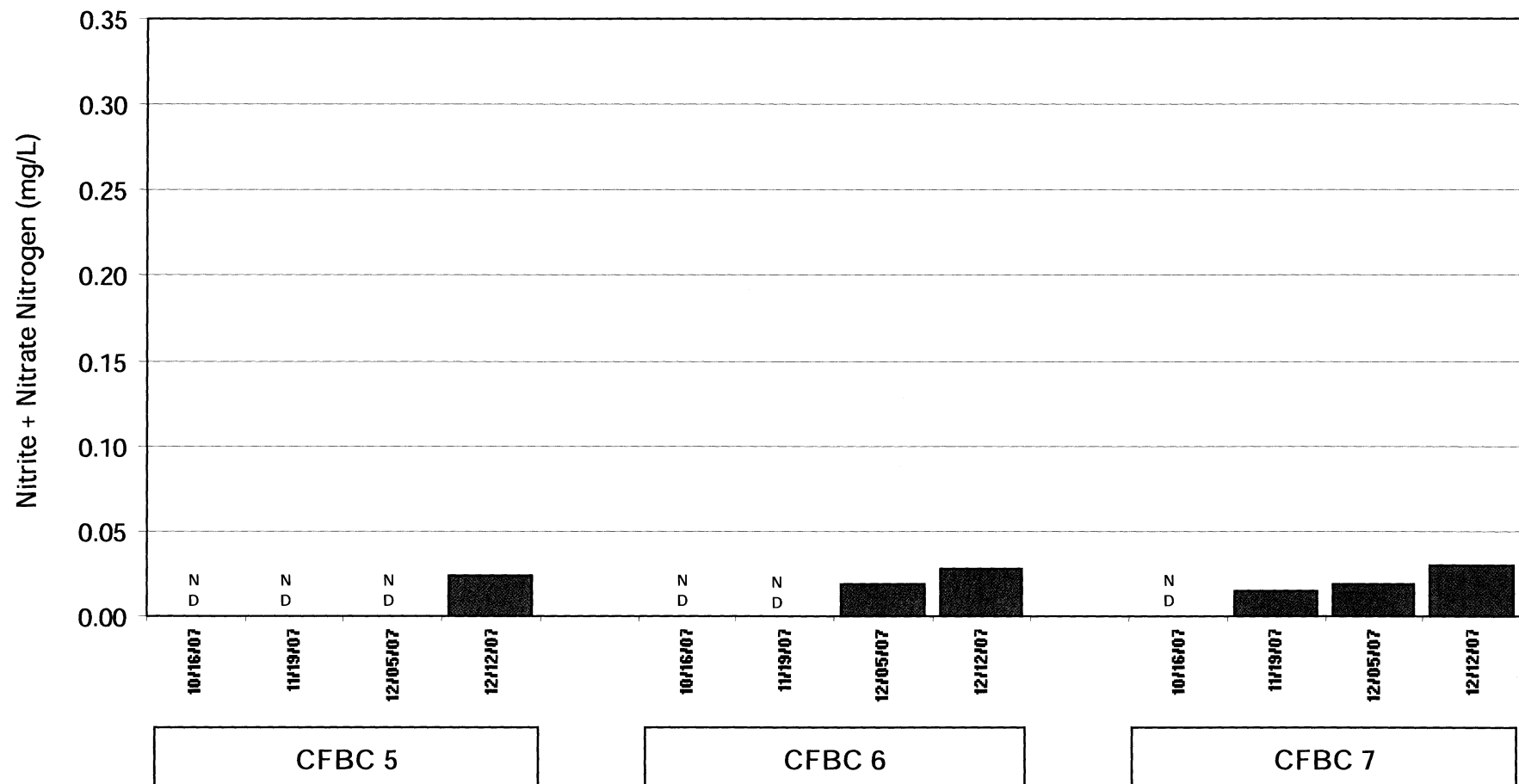
■ Native Sample
 ▨ Duplicate Sample



S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample
 ND = Not Detected, below method detection limit or reporting limit
 Note: All other samples taken at mid depth unless otherwise noted.

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Nitrite + Nitrate Nitrogen (mg/L) at
 CFBC Stations
 FIGURE 3.1.2-7

Rev 0



 Native Sample
 Duplicate Sample

S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample

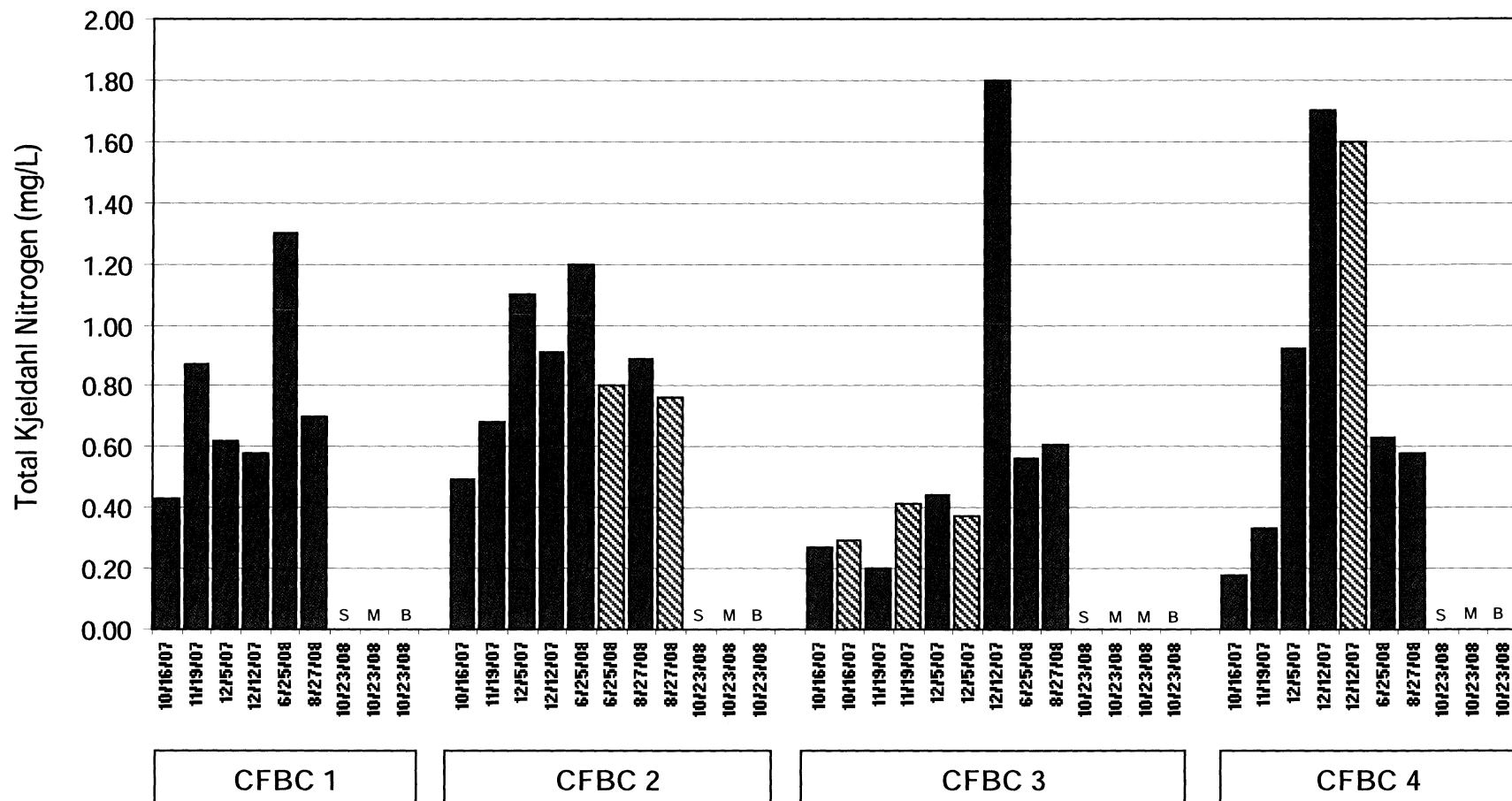
ND = Not Detected, below method detection limit or reporting limit

Note: All other samples taken at mid depth unless otherwise noted.

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Nitrite + Nitrate Nitrogen (mg/L)
 Offshore of the CFBC
 FIGURE 3.1.2-8

Rev 0



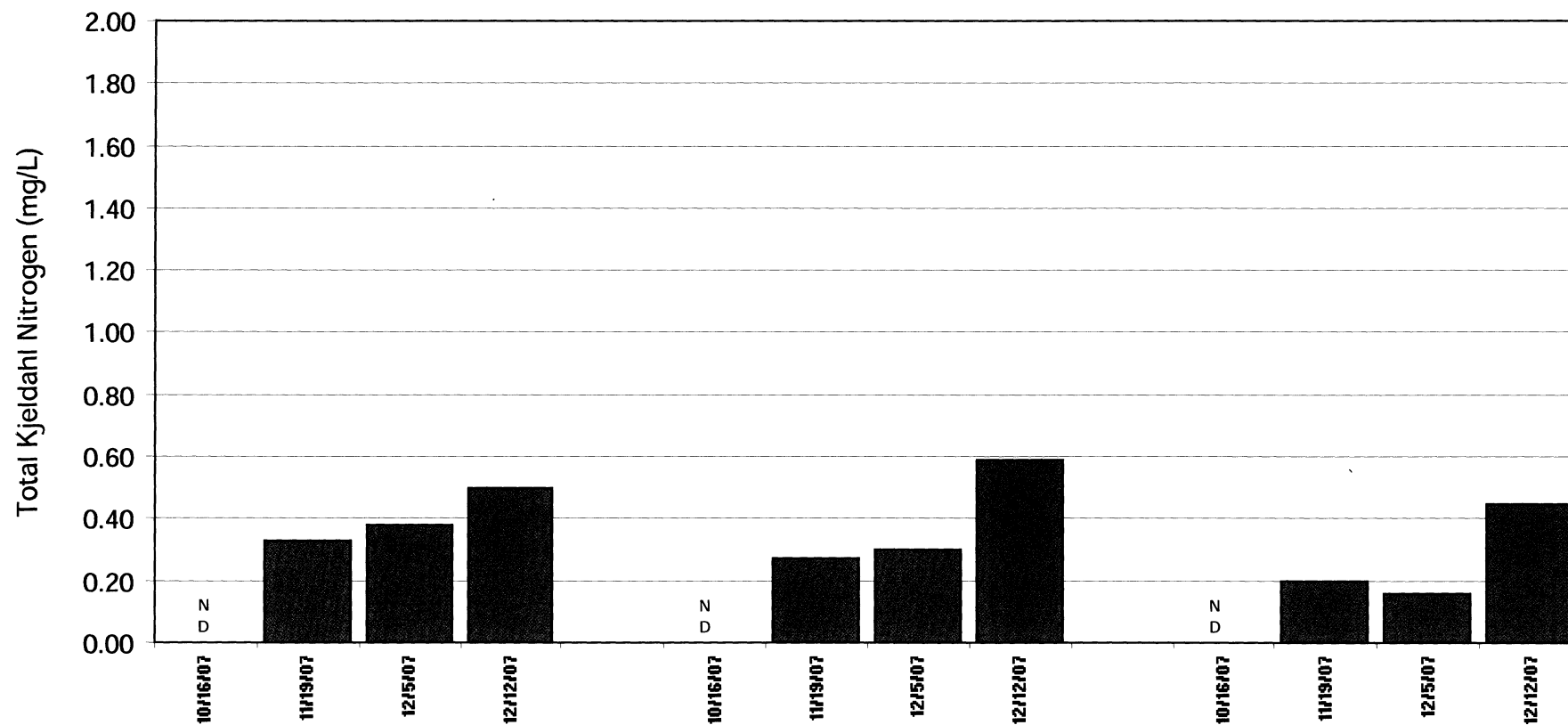
■ Native Sample
 ▨ Duplicate Sample

S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample
 ND = Not Detected, below method detection limit or reporting limit
 Note: All other samples taken at mid depth unless otherwise noted.

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Total Kjeldahl Nitrogen (mg/L) at
 CFBC Stations
 FIGURE 3.1.2-9

Rev 0



Native Sample
 Duplicate Sample

S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample

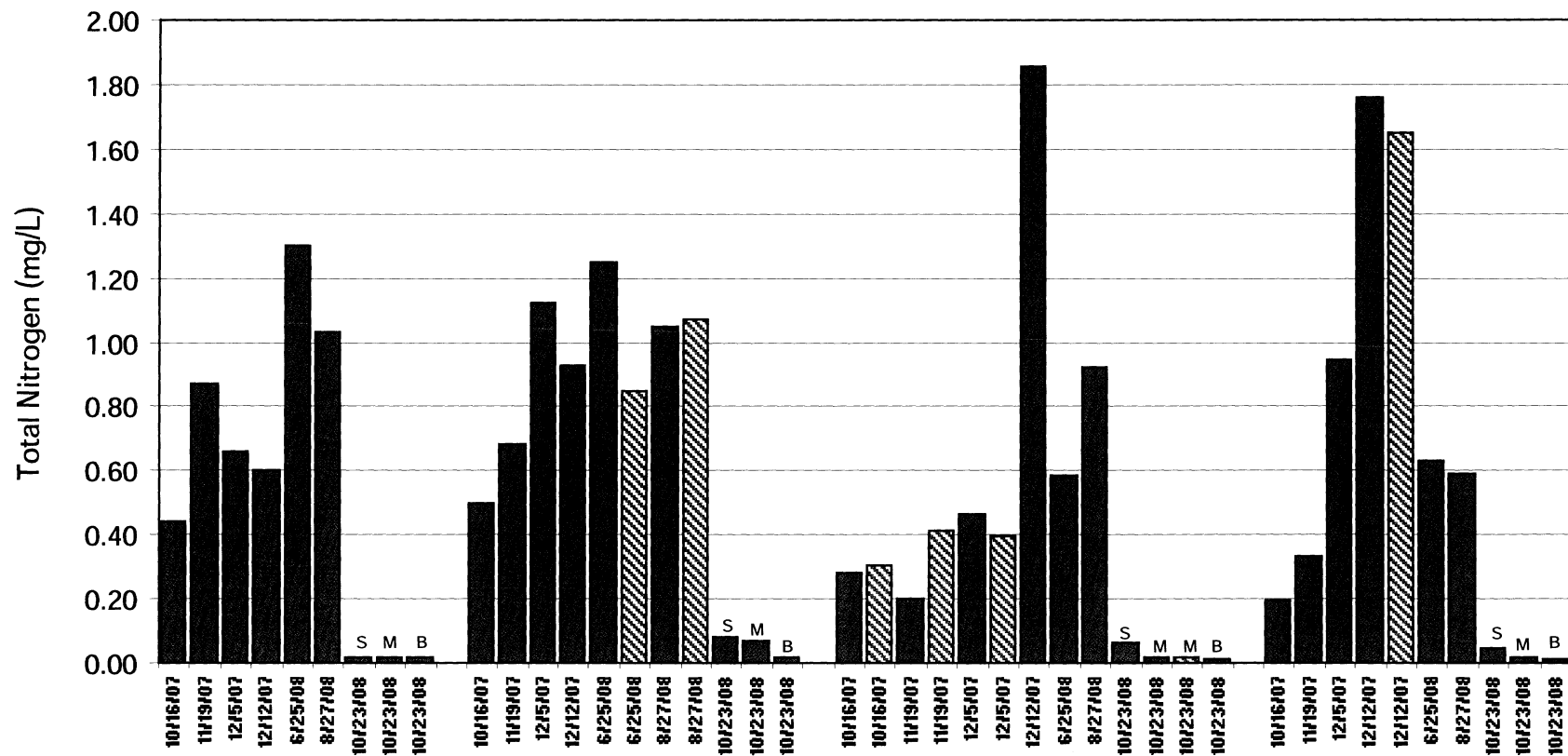
ND = Not Detected, below method detection limit or reporting limit

Note: All other samples taken at mid depth unless otherwise noted.

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Total Kjeldahl Nitrogen (mg/L)
 Offshore of the CFBC
 FIGURE 3.1.2-10

Rev 0



Native Sample
 Duplicate Sample

S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample

ND = Not Detected, below method detection limit or reporting limit

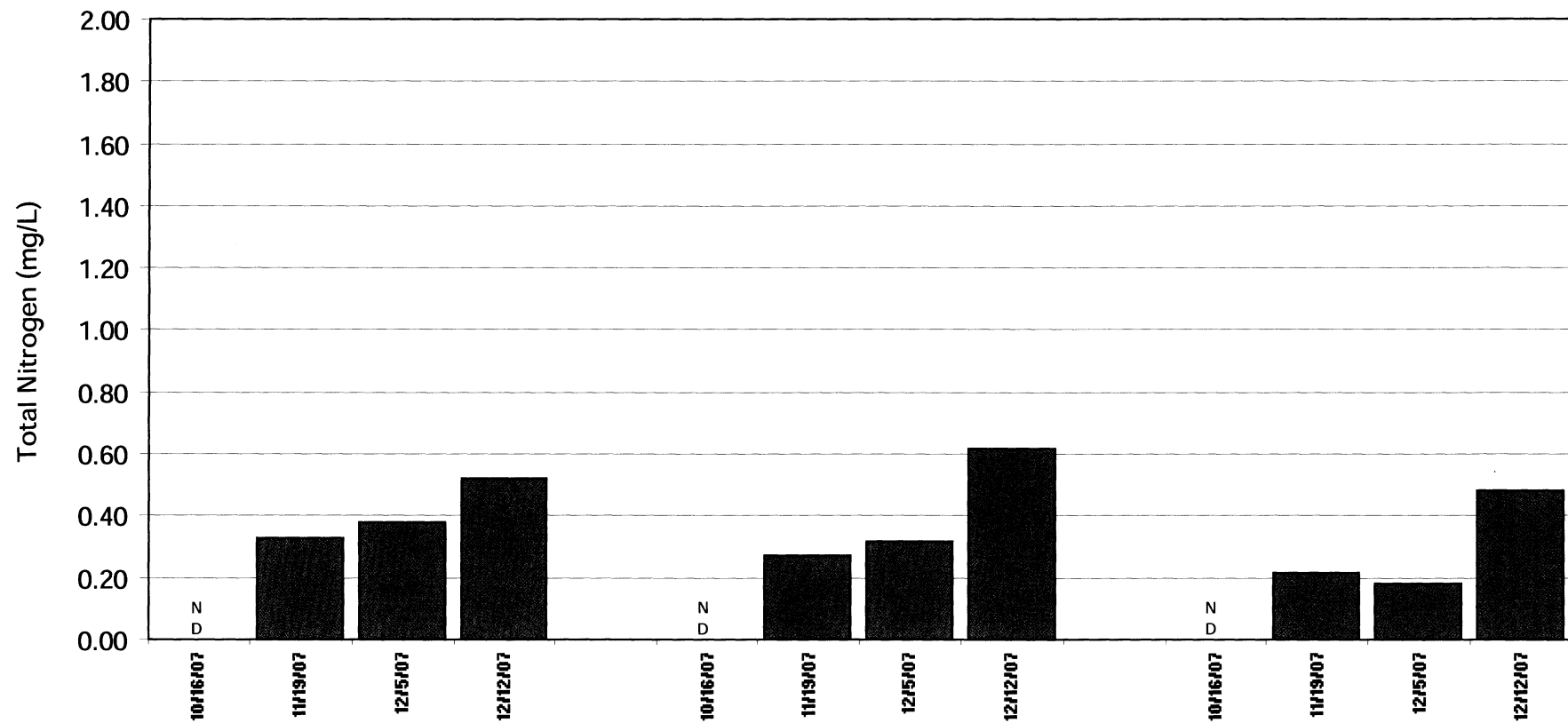
Note: All other samples taken at mid depth unless otherwise noted.

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Total Nitrogen (mg/L) at CFBC Stations

FIGURE 3.1.2-11

Rev 0



Native Sample
 Duplicate Sample

S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample

ND = Not Detected, below method detection limit or reporting limit

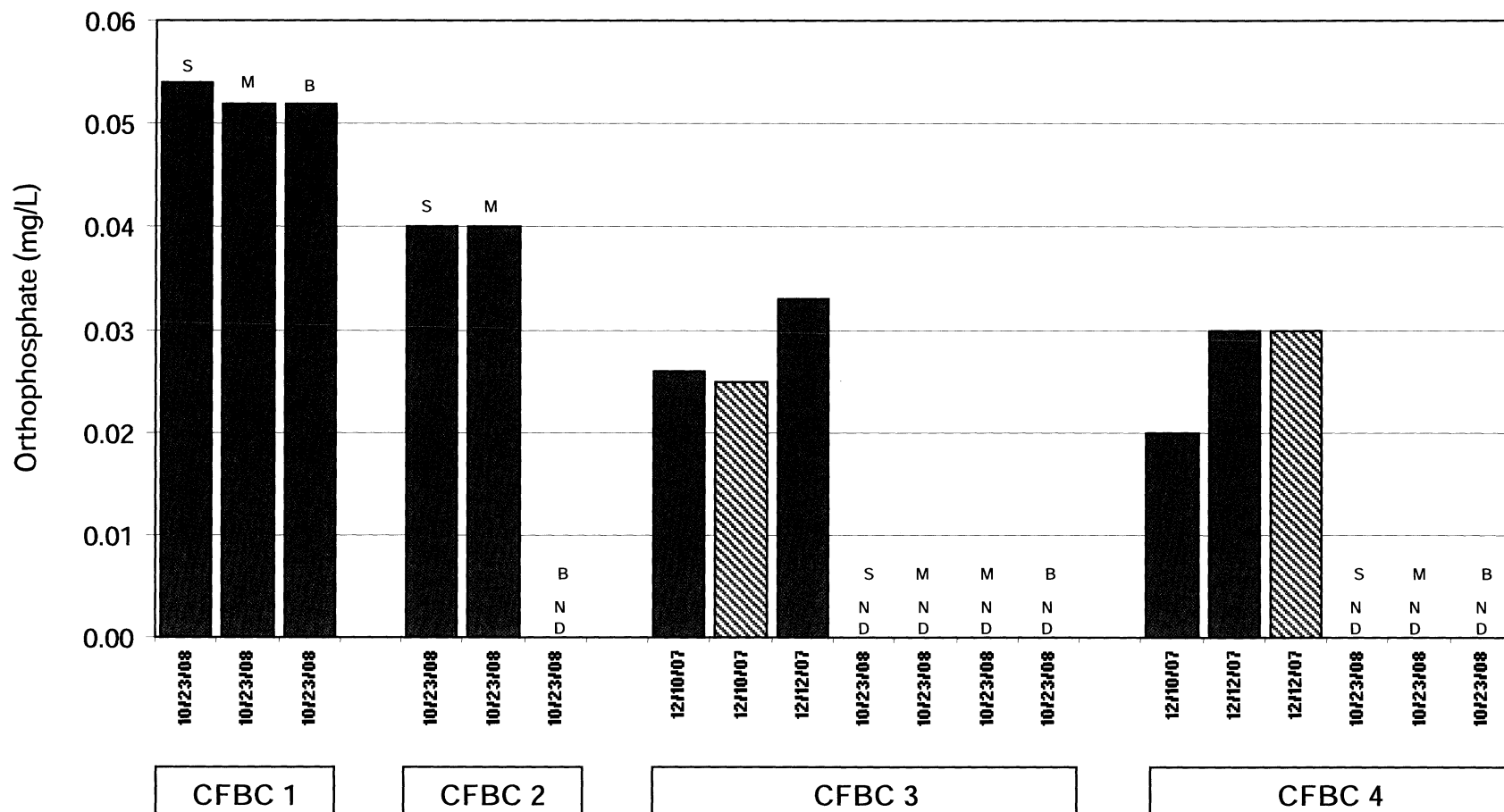
Note: All other samples taken at mid depth unless otherwise noted.

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Total Nitrogen (mg/L) Offshore of the CFBC

FIGURE 3.1.2-12

Rev 0



Native Sample
 Duplicate Sample

S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample

ND = Not Detected, below method detection limit or reporting limit

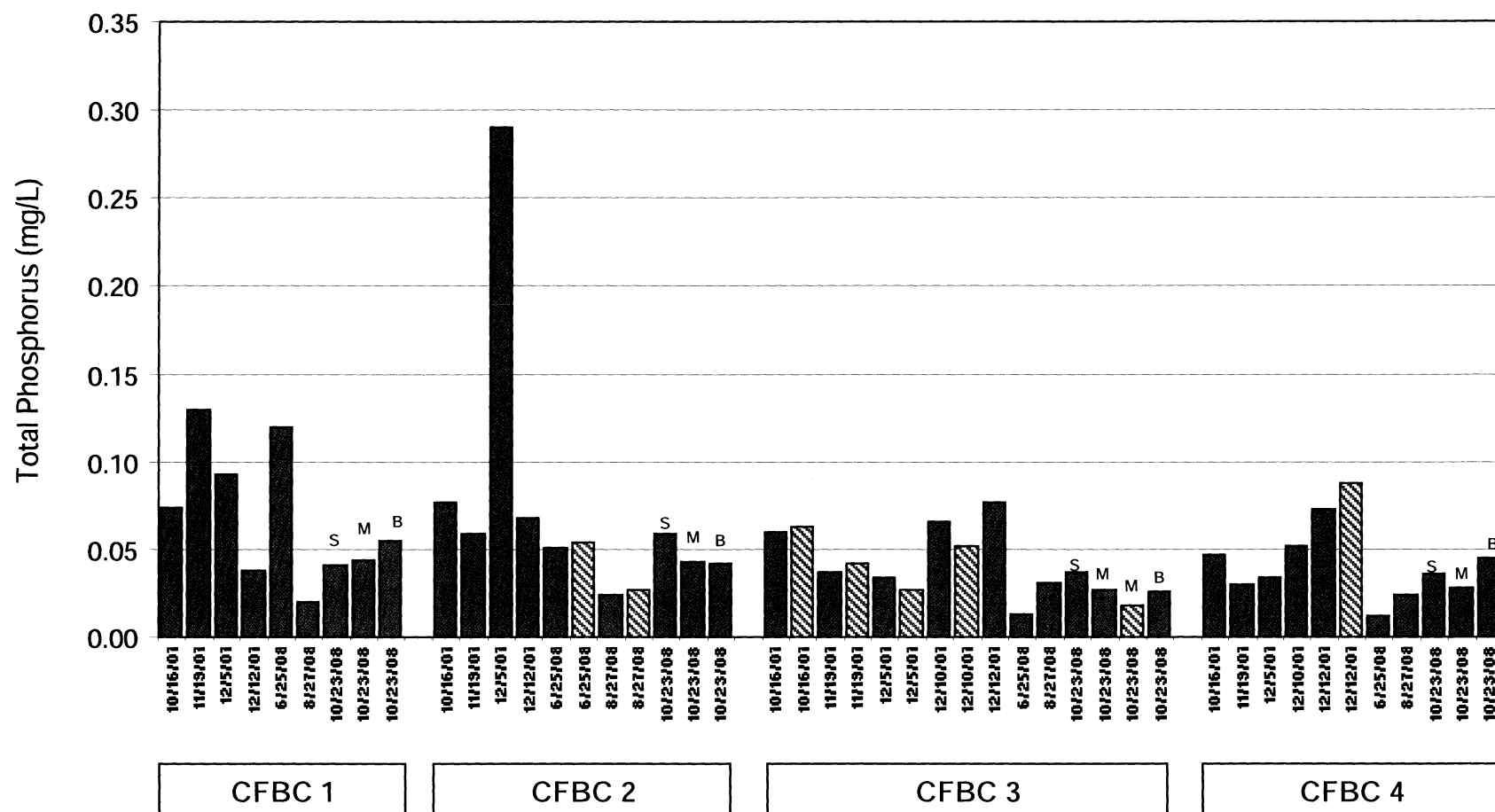
Note: All other samples taken at mid depth unless otherwise noted.

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Orthophosphate (mg/L) at CFBC Stations

FIGURE 3.1.2-13

Rev 0



Native Sample
 Duplicate Sample

S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample

ND = Not Detected, below method detection limit or reporting limit

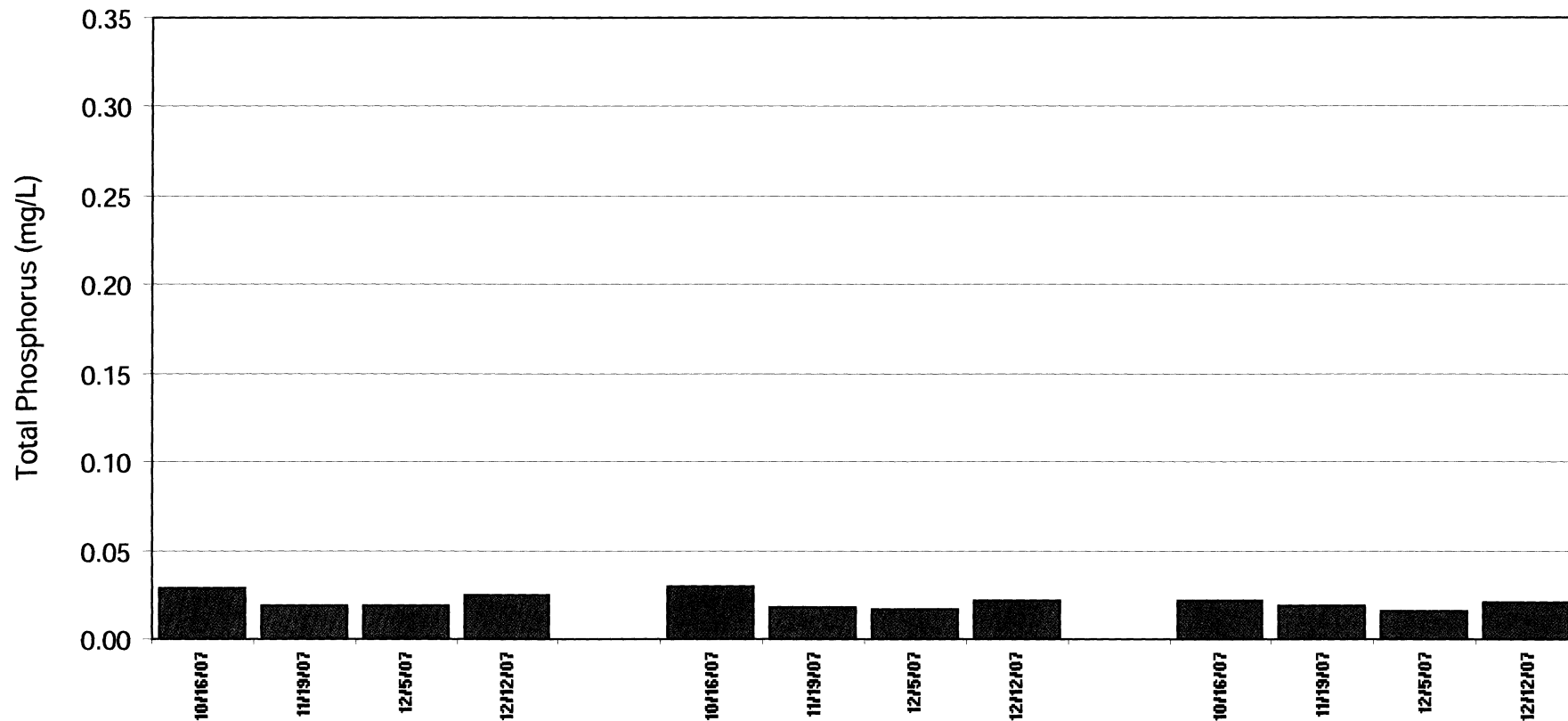
Note: All other samples taken at mid depth unless otherwise noted.

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Total Phosphorus (mg/L) at CFBC Stations

FIGURE 3.1.2-14

Rev 0



■ Native Sample
 ▨ Duplicate Sample

S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample

ND = Not Detected, below method detection limit or reporting limit

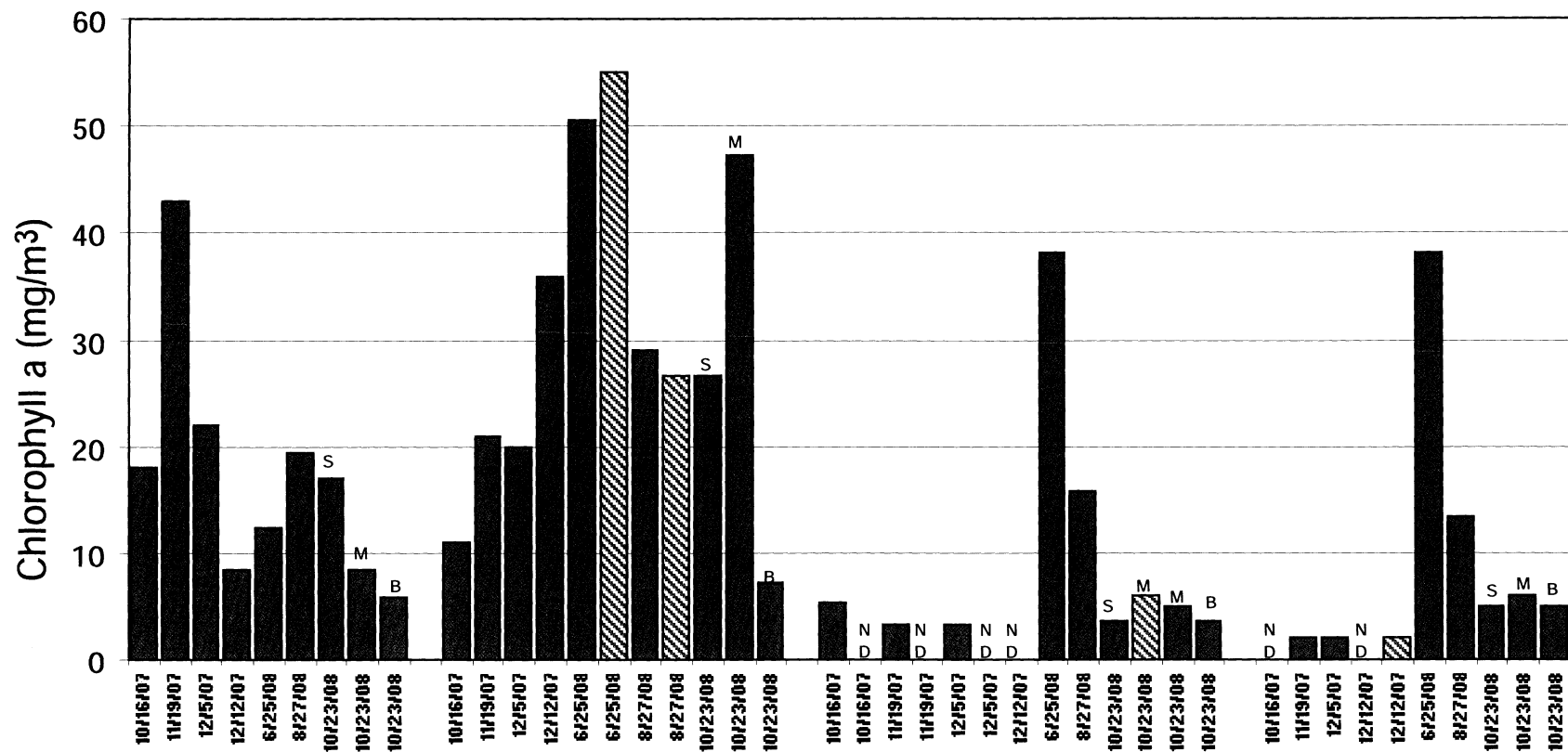
Note: All other samples taken at mid depth unless otherwise noted.

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Total Phosphorus (mg/L) Offshore of the CFBC

FIGURE 3.1.2-15

Rev 0



CFBC 1

CFBC 2

CFBC 3

CFBC 4

Native Sample
Duplicate Sample

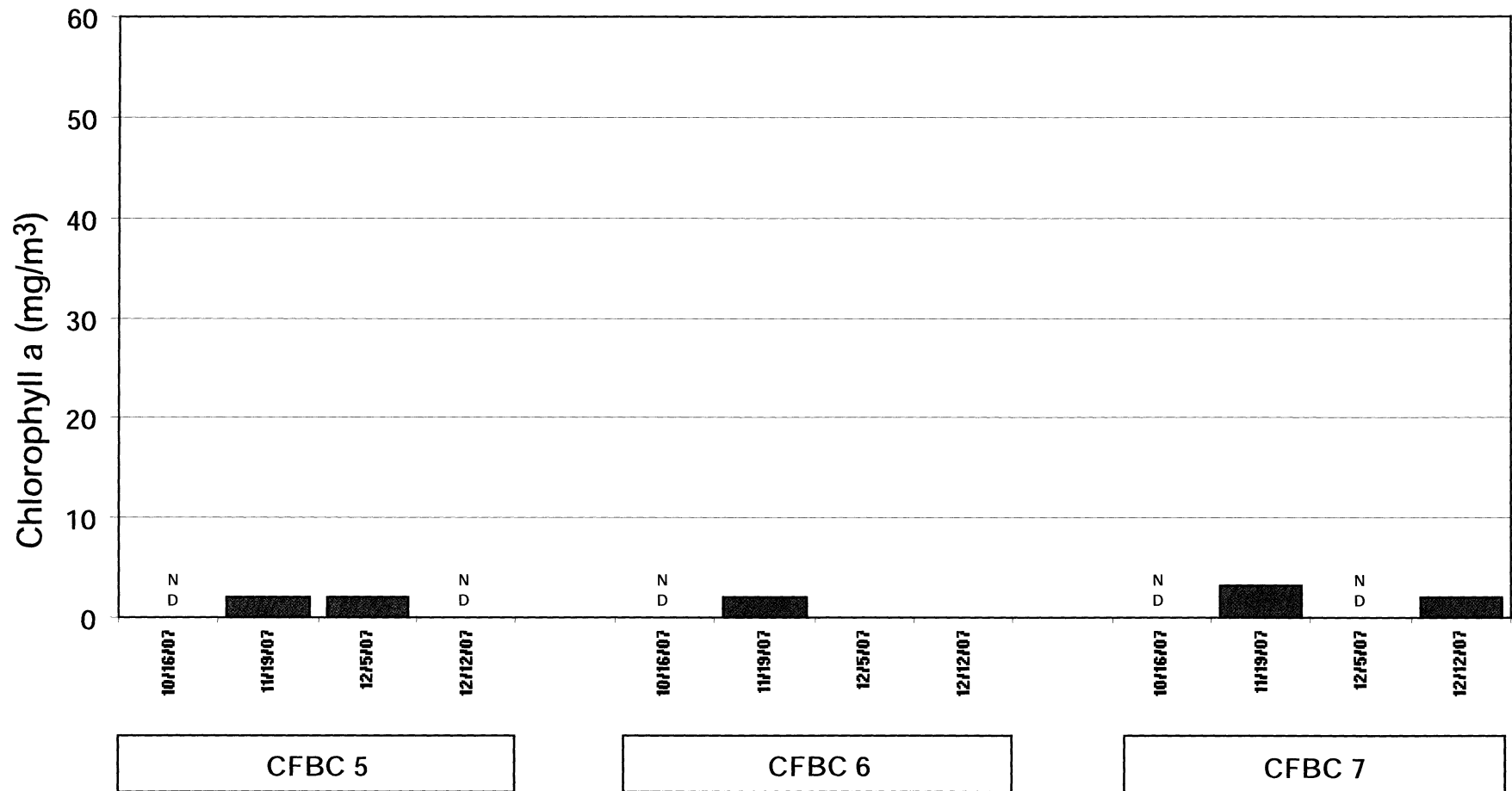
S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample
ND = Not Detected, below method detection limit or reporting limit
Note: All other samples taken at mid depth unless otherwise noted.

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Chlorophyll a (mg/m³) at CFBC Stations

FIGURE 3.1.2-16

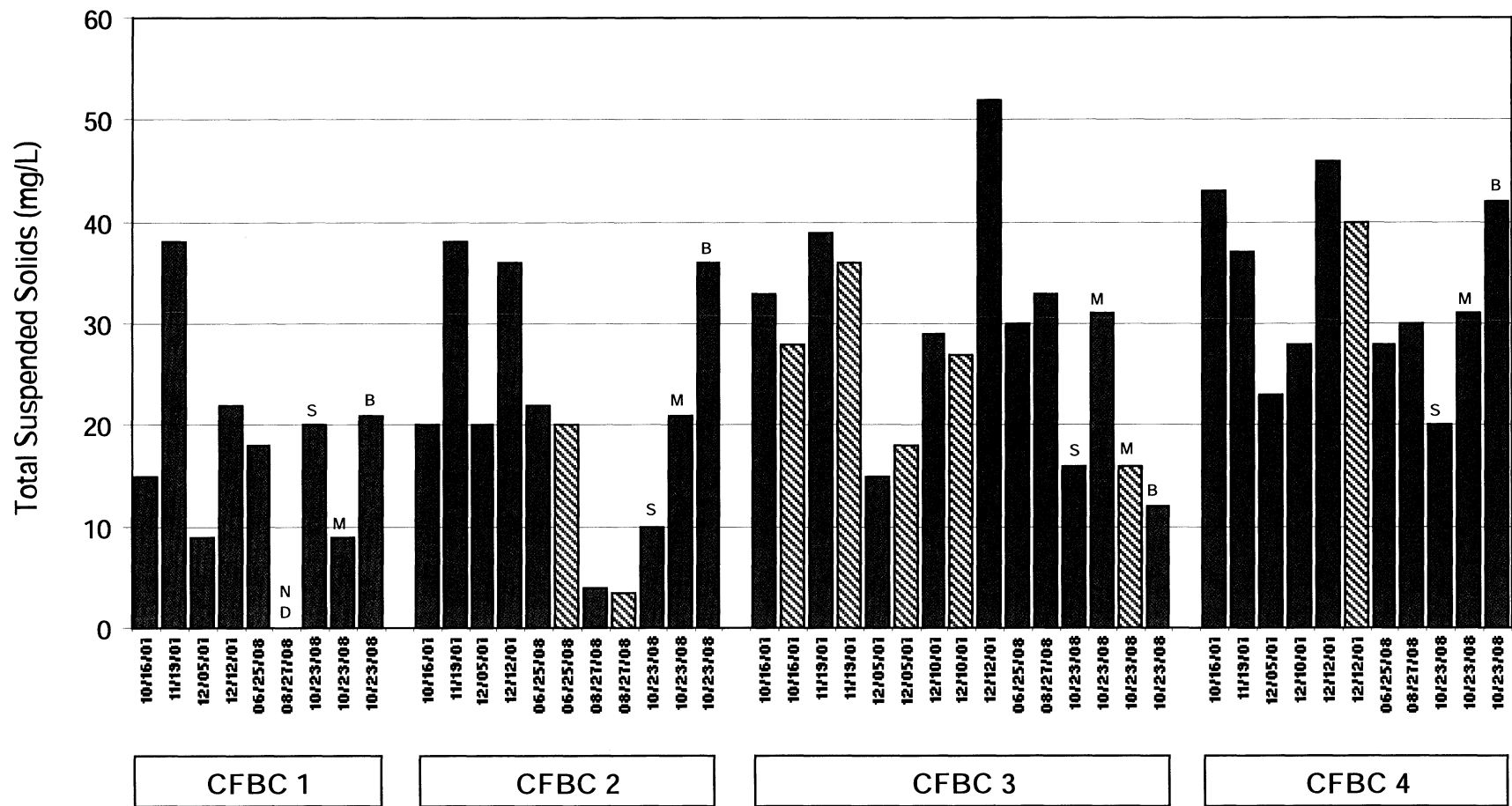
Rev 0



Native Sample
 Duplicate Sample

S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample
 ND = Not Detected, below method detection limit or reporting limit
 Note: All other samples taken at mid depth unless otherwise noted.

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 Chlorophyll a (mg/m³) Offshore of the CFBC
 FIGURE 3.1.2-17
 Rev 0



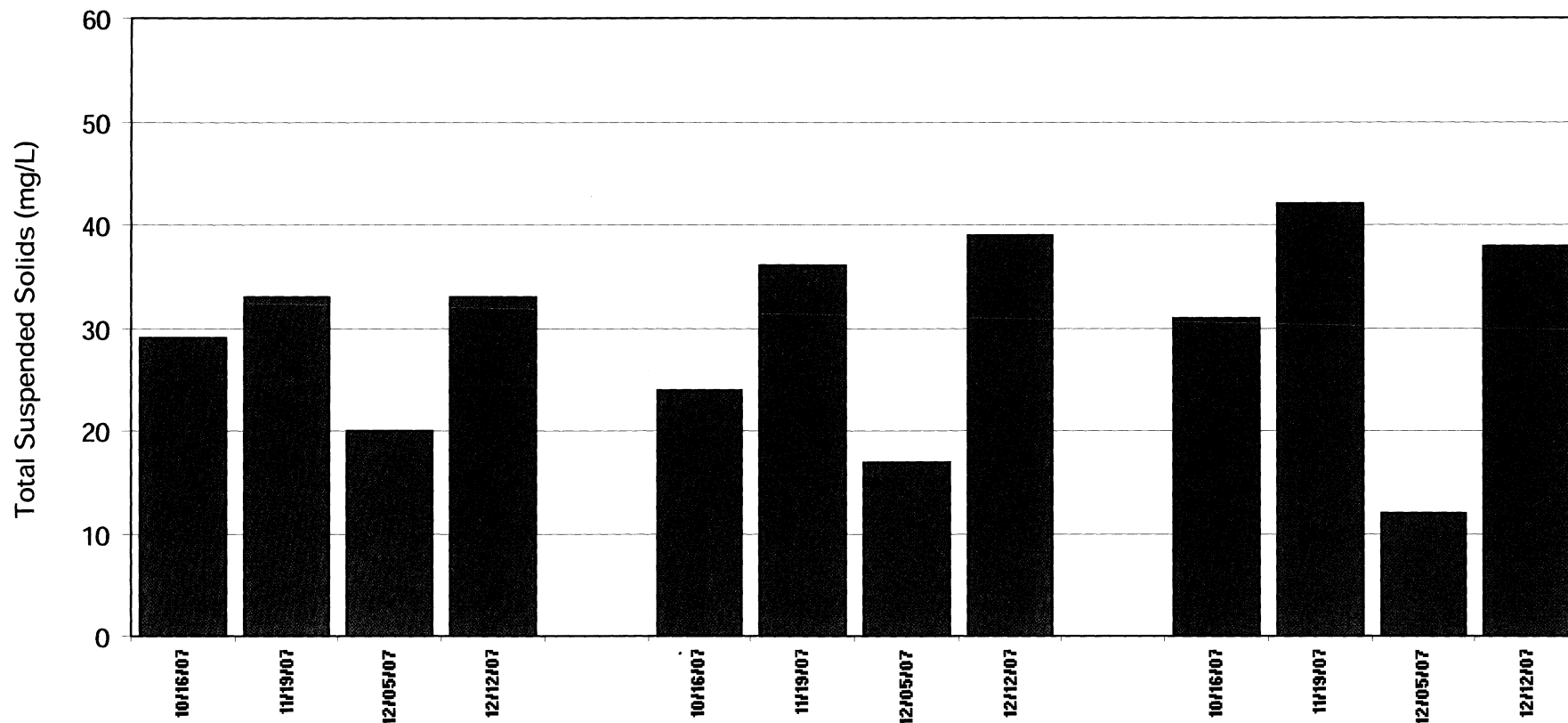
Native Sample
 Duplicate Sample

S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample
 ND = Not Detected, below method detection limit or reporting limit
 Note: All other samples taken at mid depth unless otherwise noted.

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Total Suspended Solids (mg/L) at
 CFBC Stations
 FIGURE 3.1.2-18

Rev 0



Native Sample
 Duplicate Sample

S = Near Surface Sample, M = Mid Depth Sample, B = Near Bottom Sample

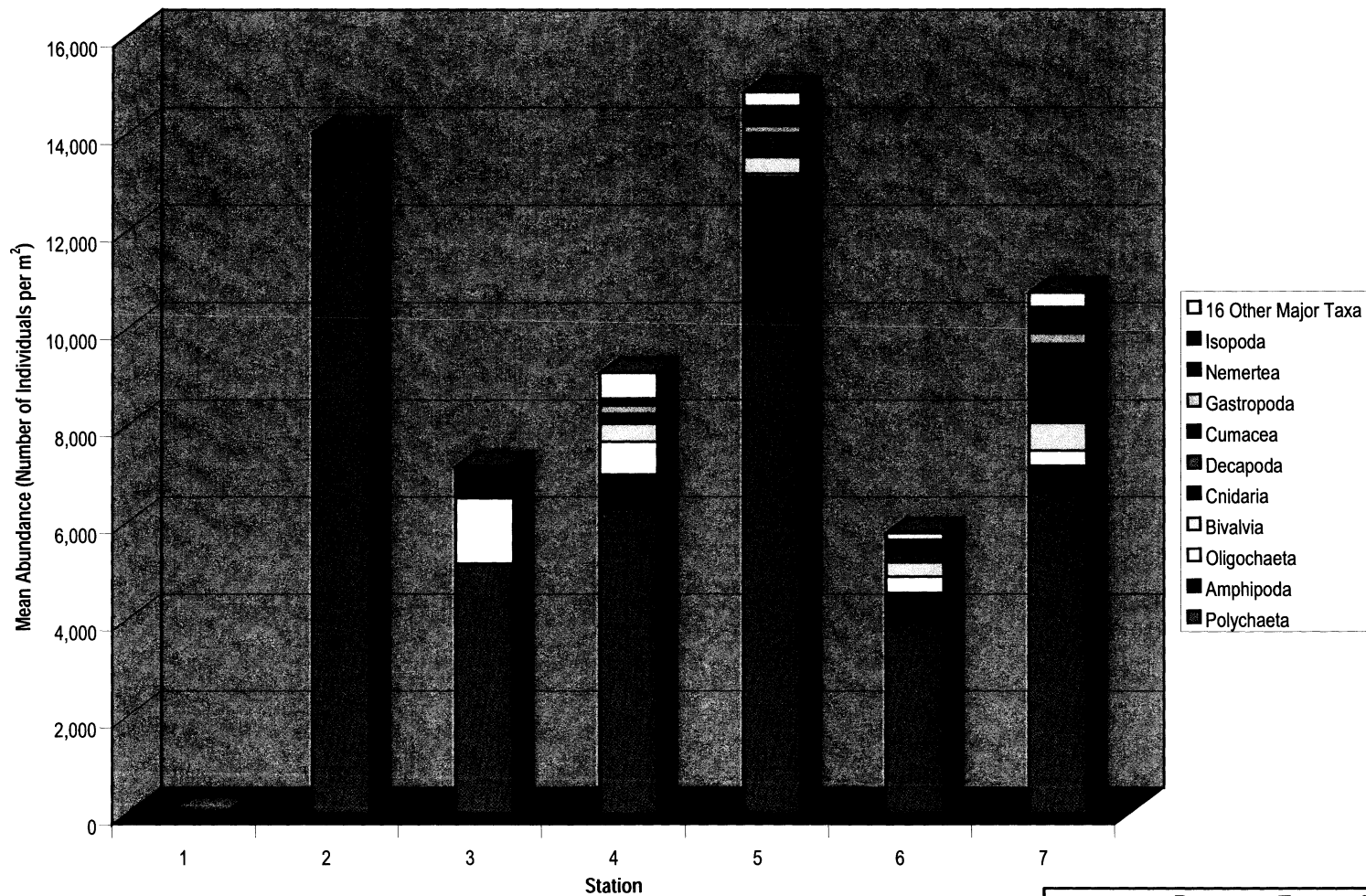
ND = Not Detected, below method detection limit or reporting limit

Note: All other samples taken at mid depth unless otherwise noted.

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Total Suspended Solids (mg/L)
 Offshore of the CFBC
 FIGURE 3.1.2-19

Rev 0

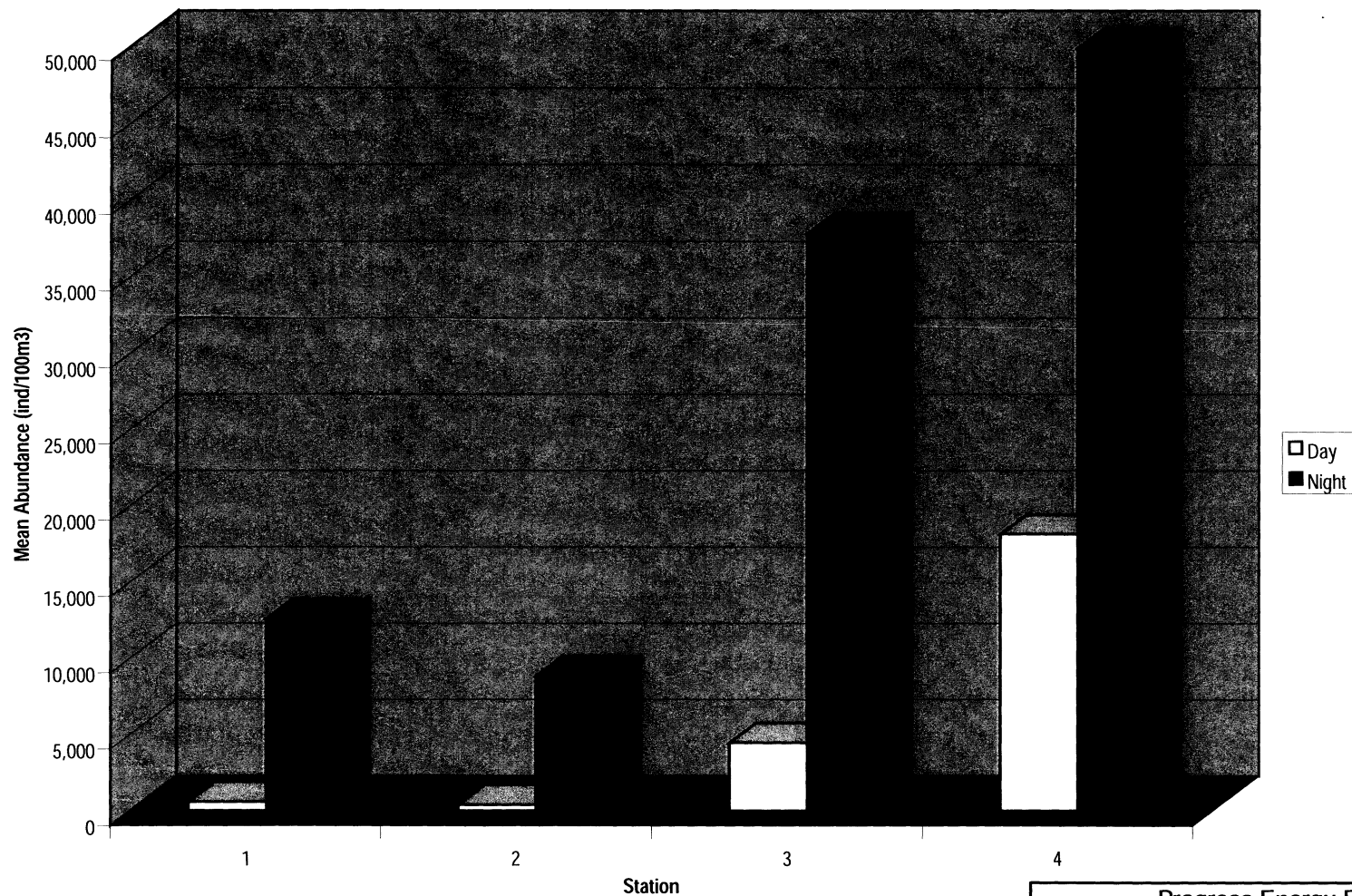


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Benthic Infauna Mean Abundance and
Composition at Stations in the CFBC

FIGURE 3.1.3.1-1

Rev 0

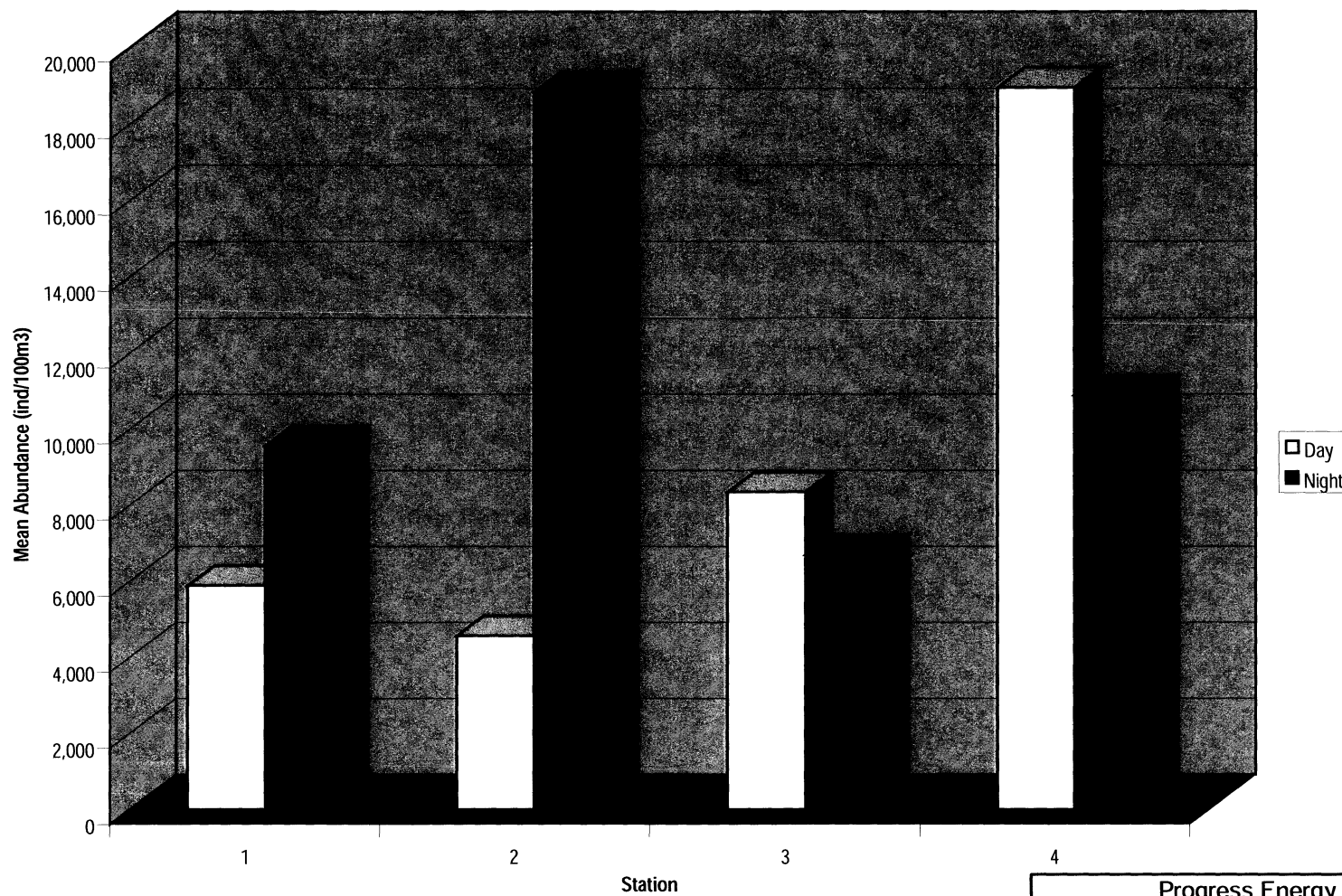


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Holoplankton Diurnal Variation in the CFBC

FIGURE 3.1.3.2-1

Rev 0

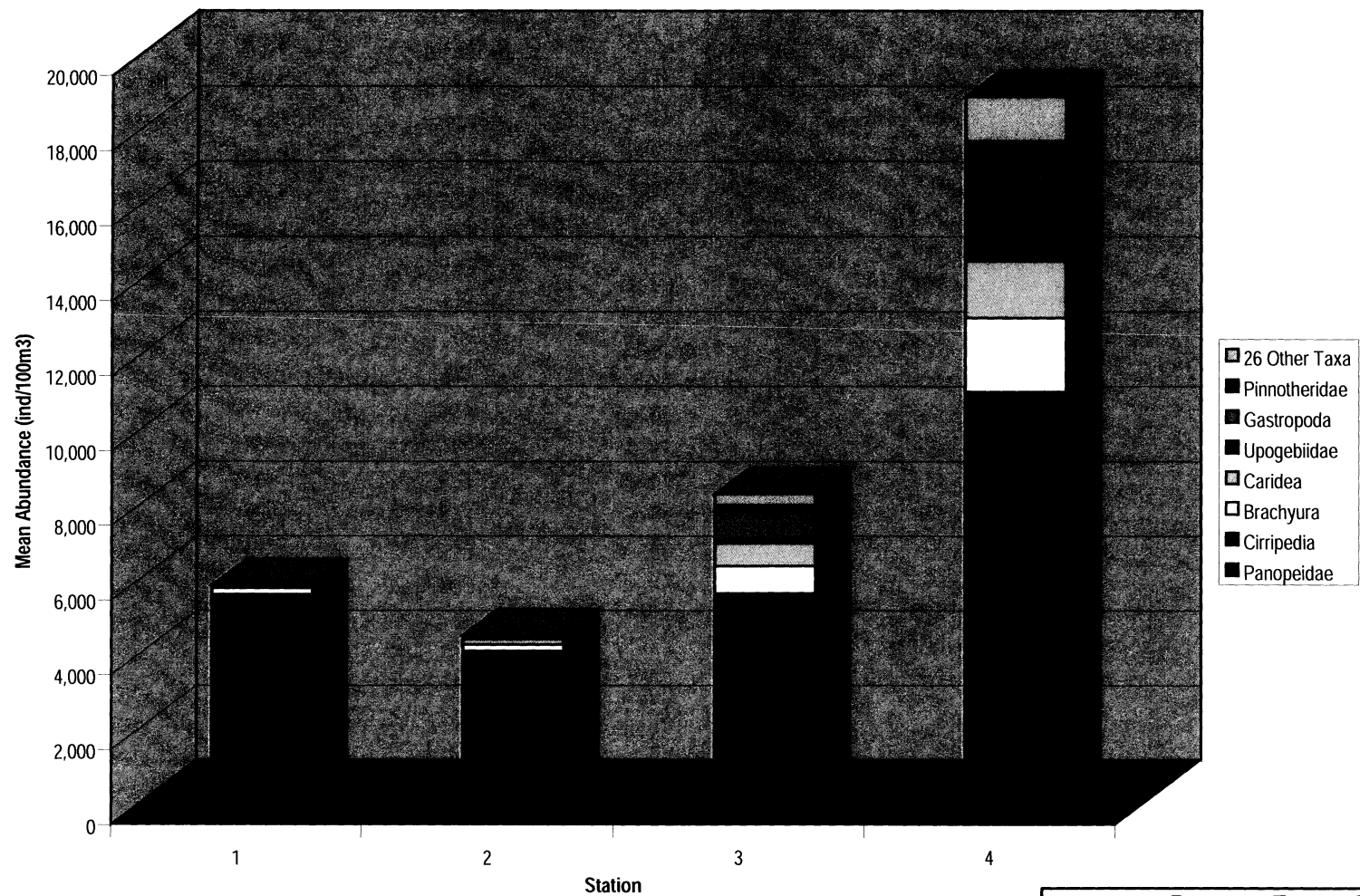


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Meroplankton Diurnal Variation in the CFBC

FIGURE 3.1.3.2-2

Rev 0

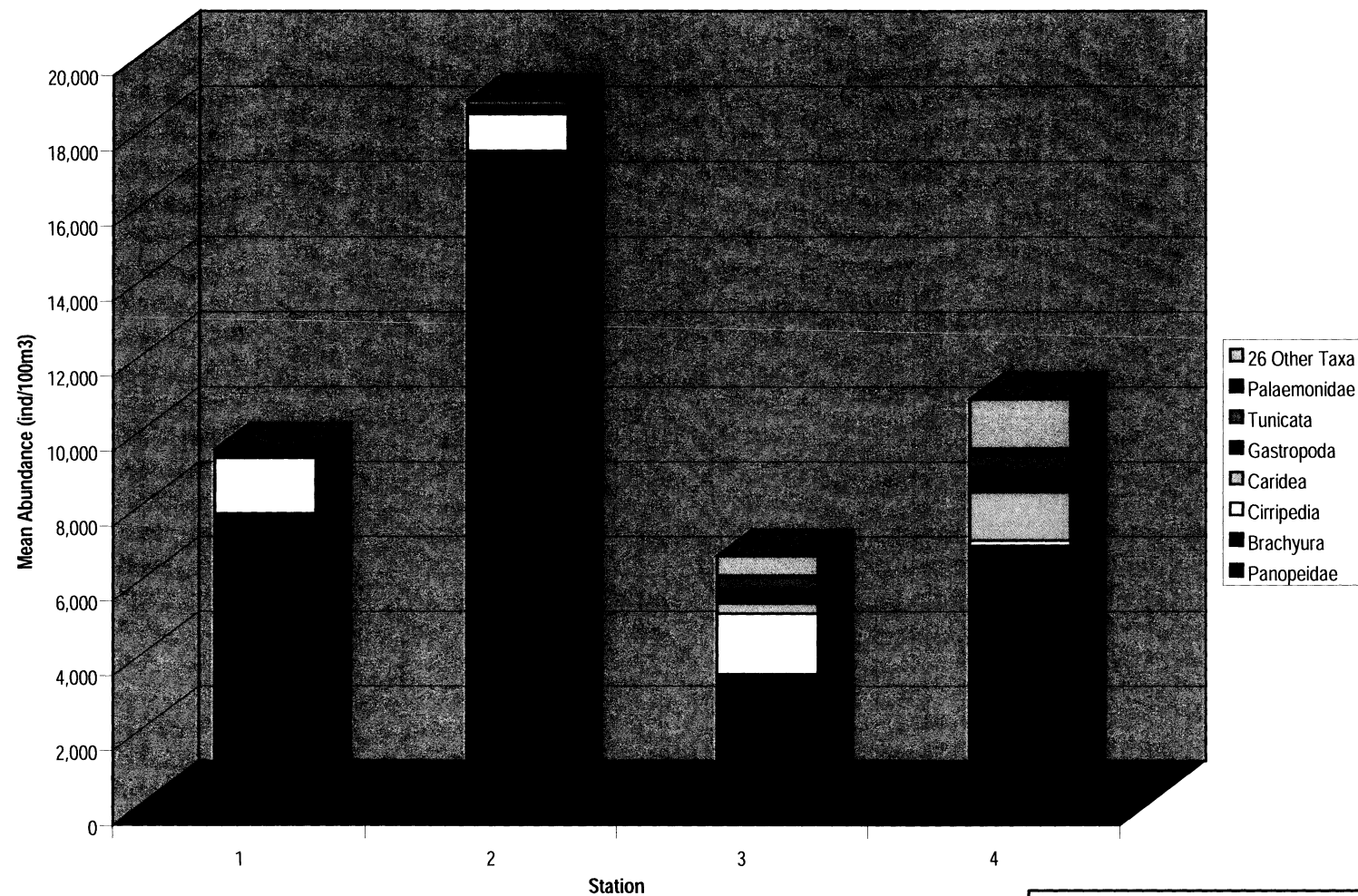


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Daytime Meroplankton Mean Abundance and
 Composition for Stations in the CFBC

FIGURE 3.1.3.2-3

Rev 0

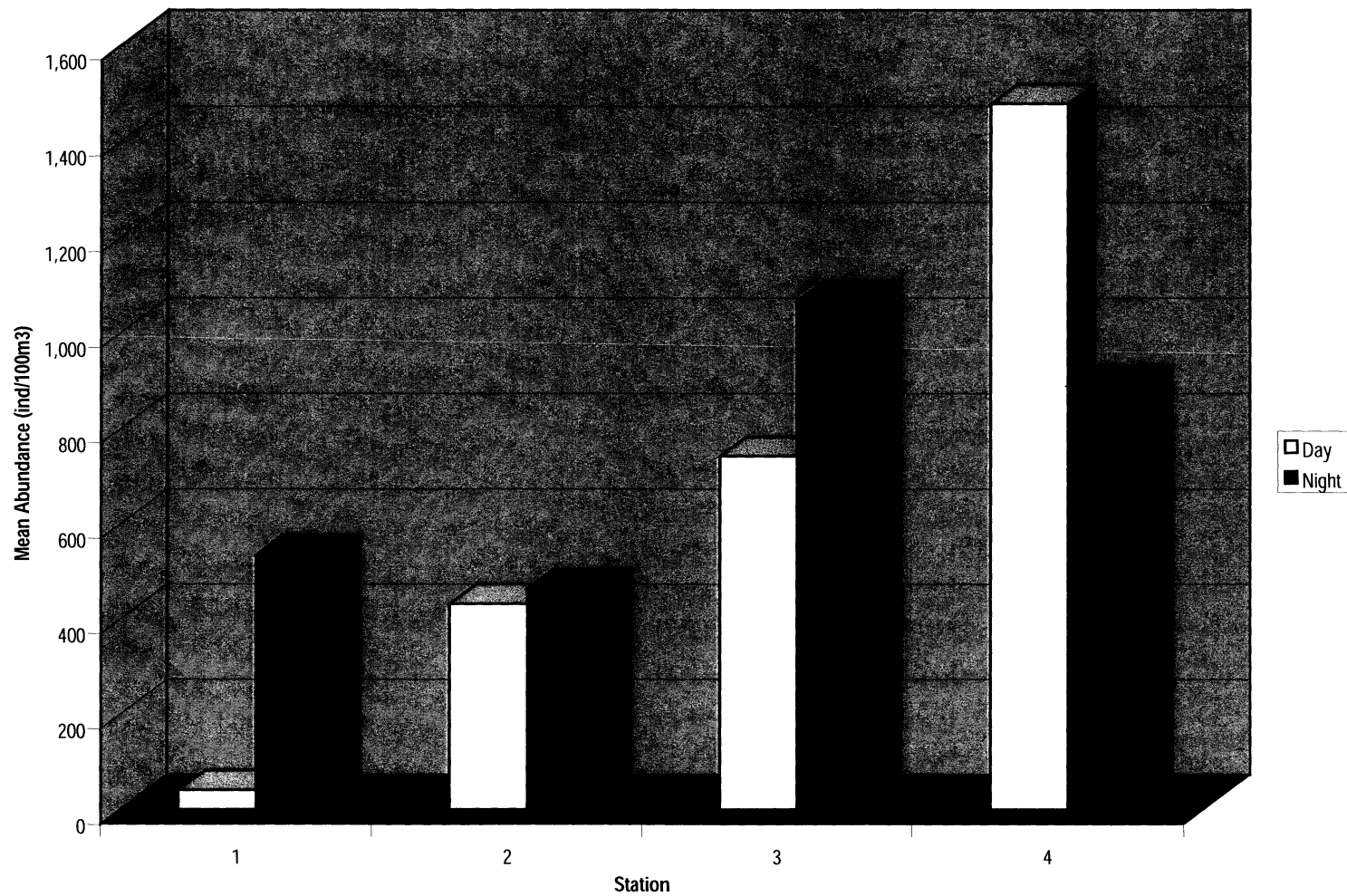


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Nighttime Meroplankton Mean Abundance and
Composition for Stations in the CFBC

FIGURE 3.1.3.2-4

Rev 0

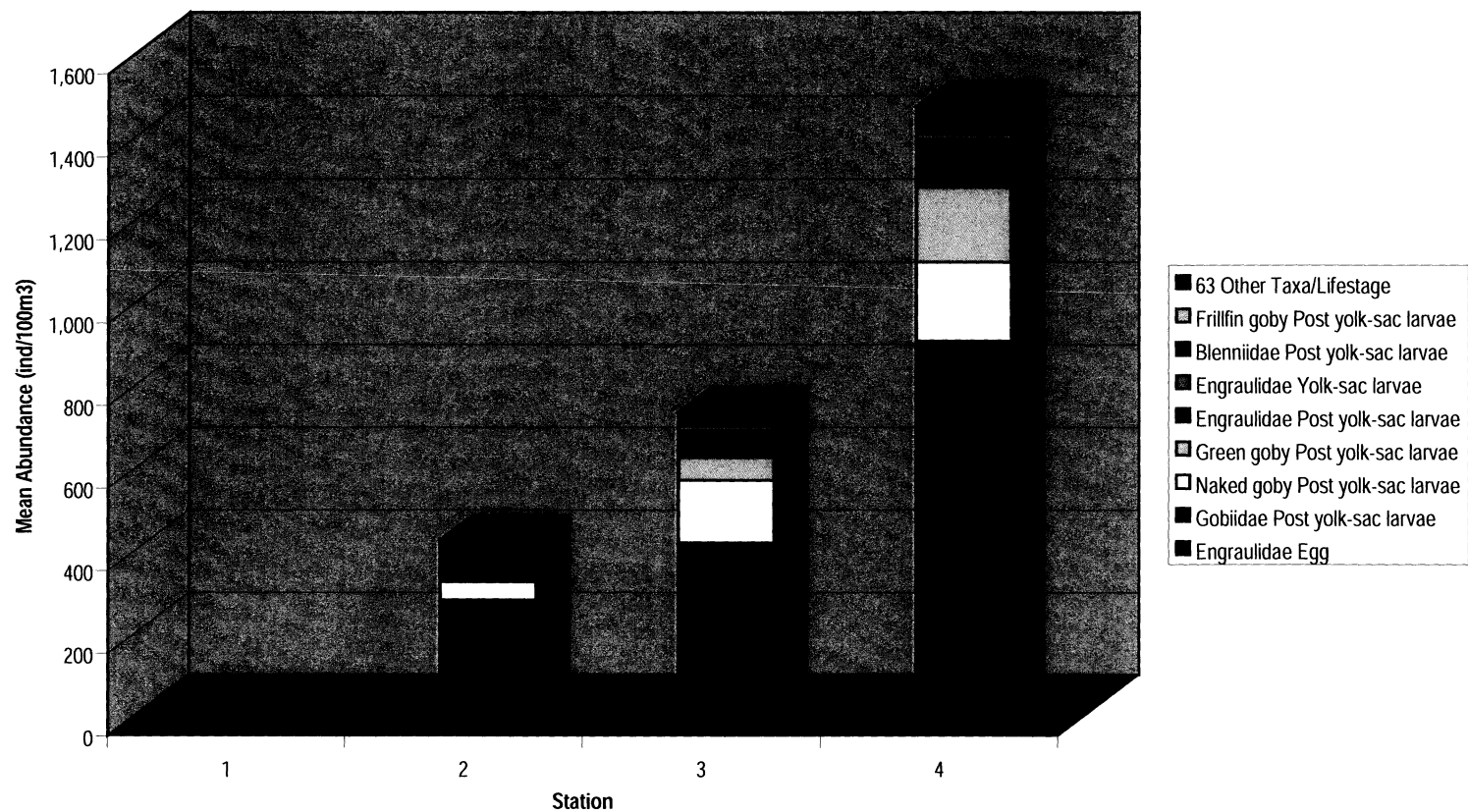


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Ichthyoplankton Diurnal Variation in the CFBC

FIGURE 3.1.3.2-5

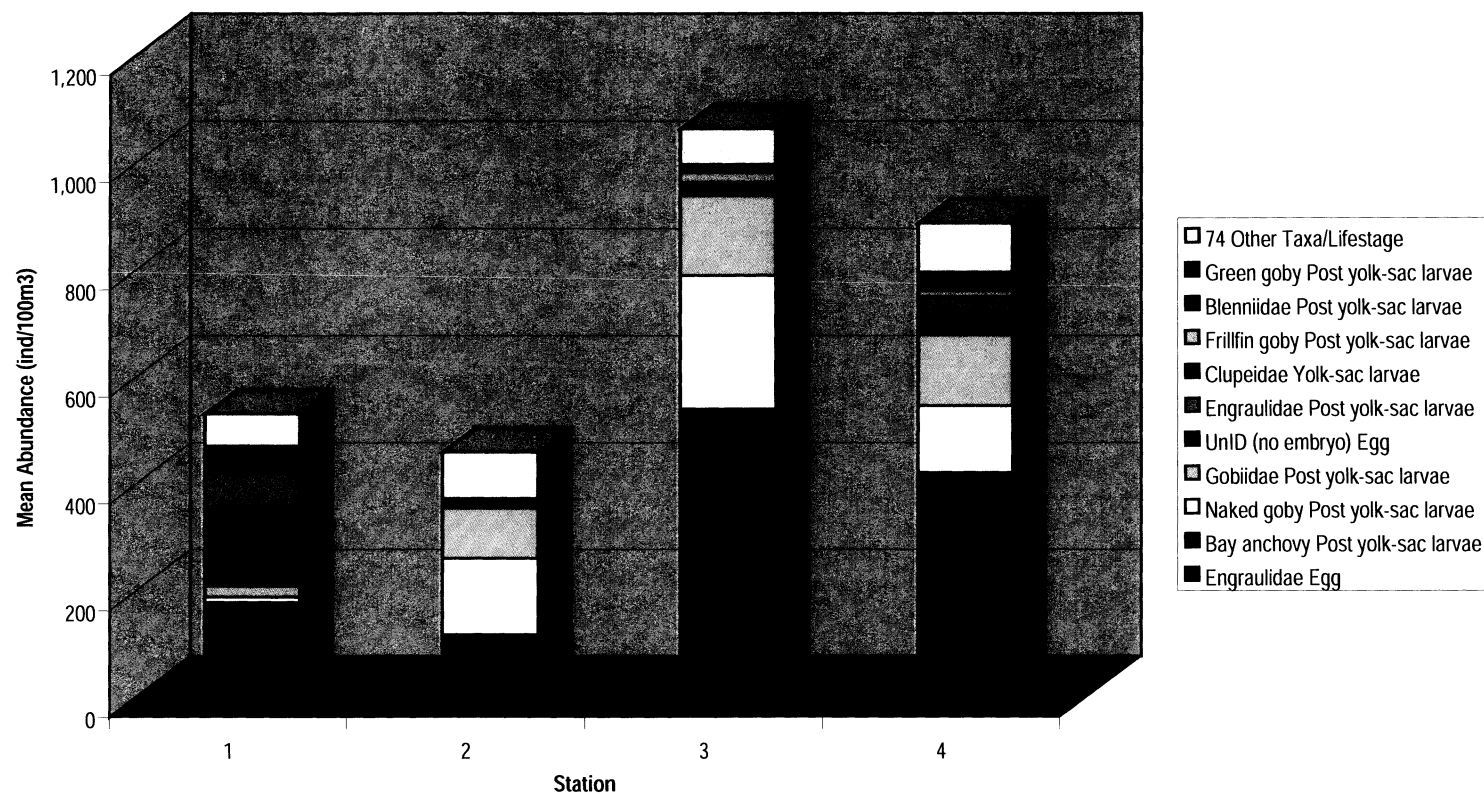
Rev 0



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Daytime Ichthyoplankton Mean Abundance and
 Composition for Stations in the CFBC
 FIGURE 3.1.3.2-6

Rev 0

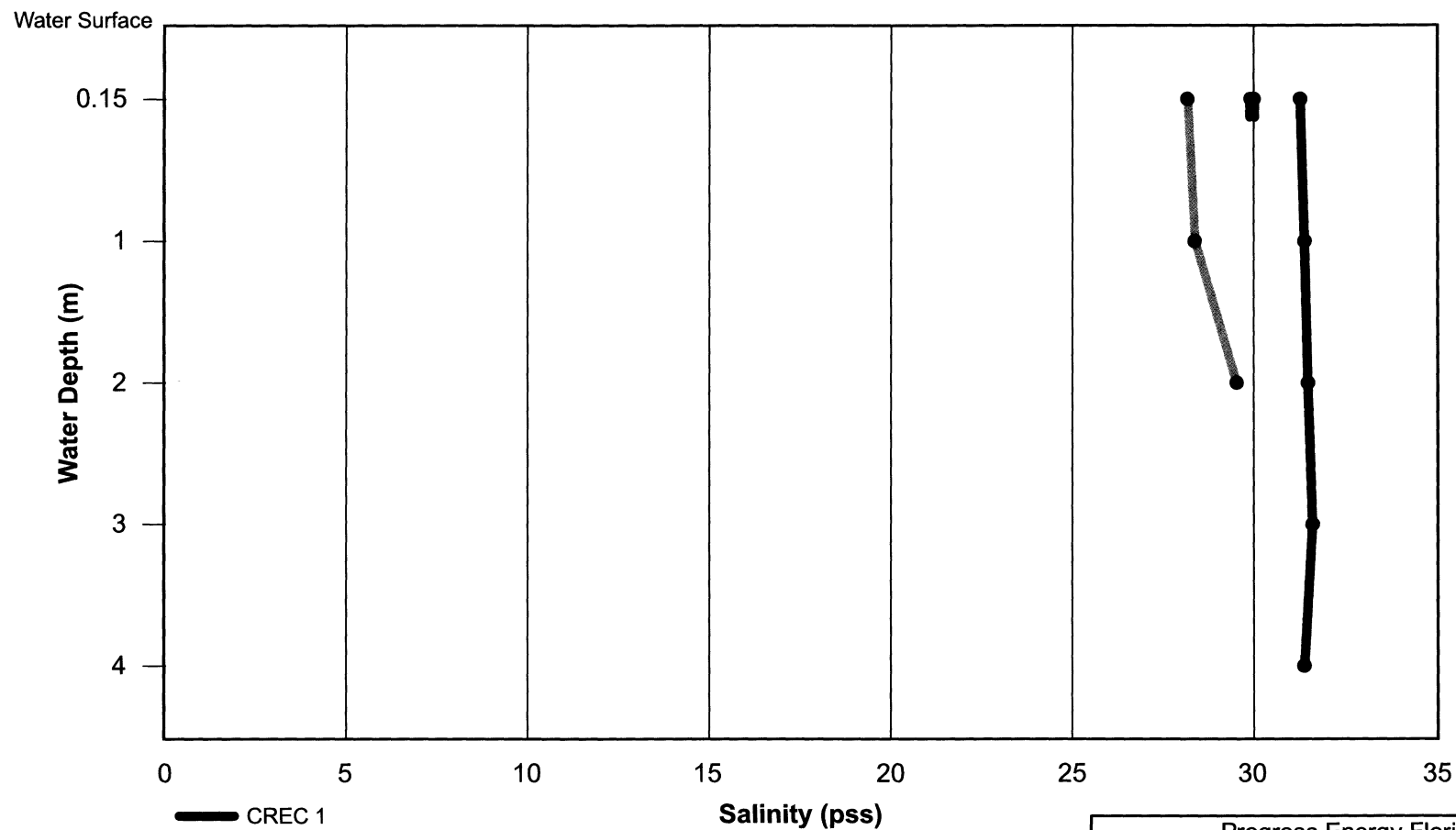


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Nighttime Ichthyoplankton Mean Abundance and
Composition for Stations in the CFBC

FIGURE 3.1.3.2-7

Rev 0



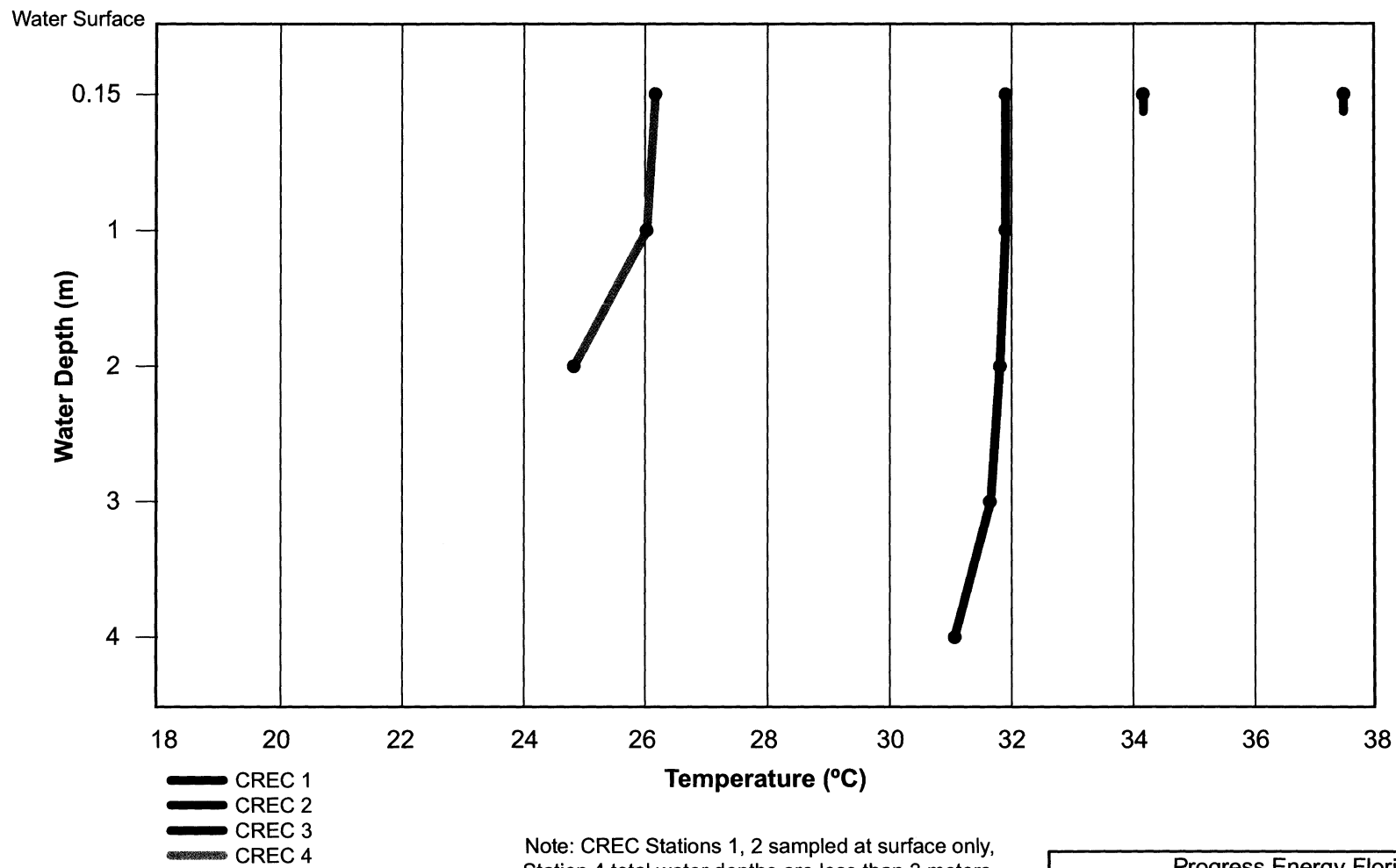
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**Levy Nuclear Plant
Units 1 and 2
Aquatic Ecology Sampling Report**

Average Salinity (pss) at CREC Stations

FIGURE 3.2.2-1

Rev 0

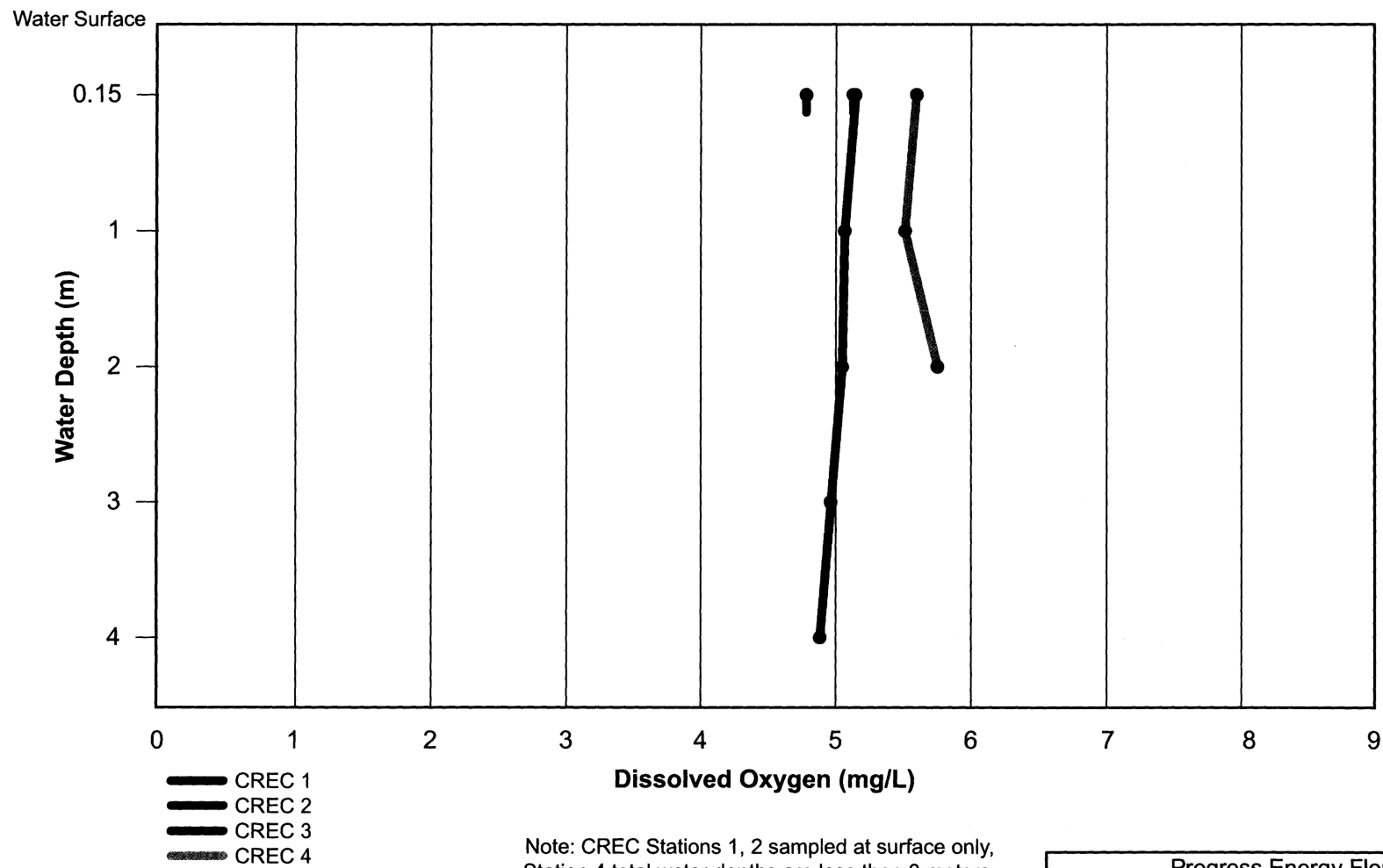


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Average Temperature (°C) at CREC Stations

FIGURE 3.2.2-2

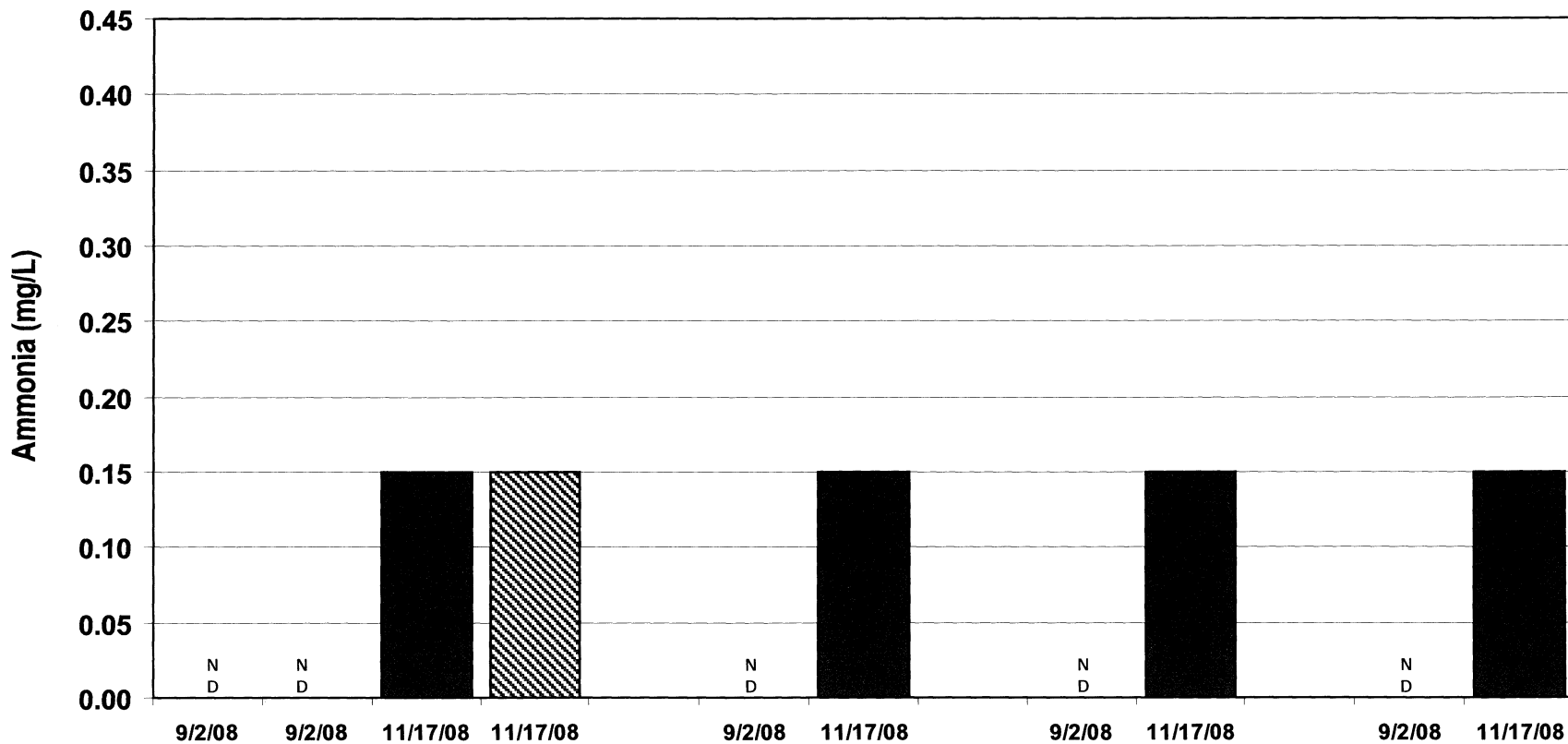
Rev 0





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Average Dissolved Oxygen (mg/L)
 at CREC Stations
 FIGURE 3.2.2-3

Rev 0



 Native Sample
 Duplicate Sample

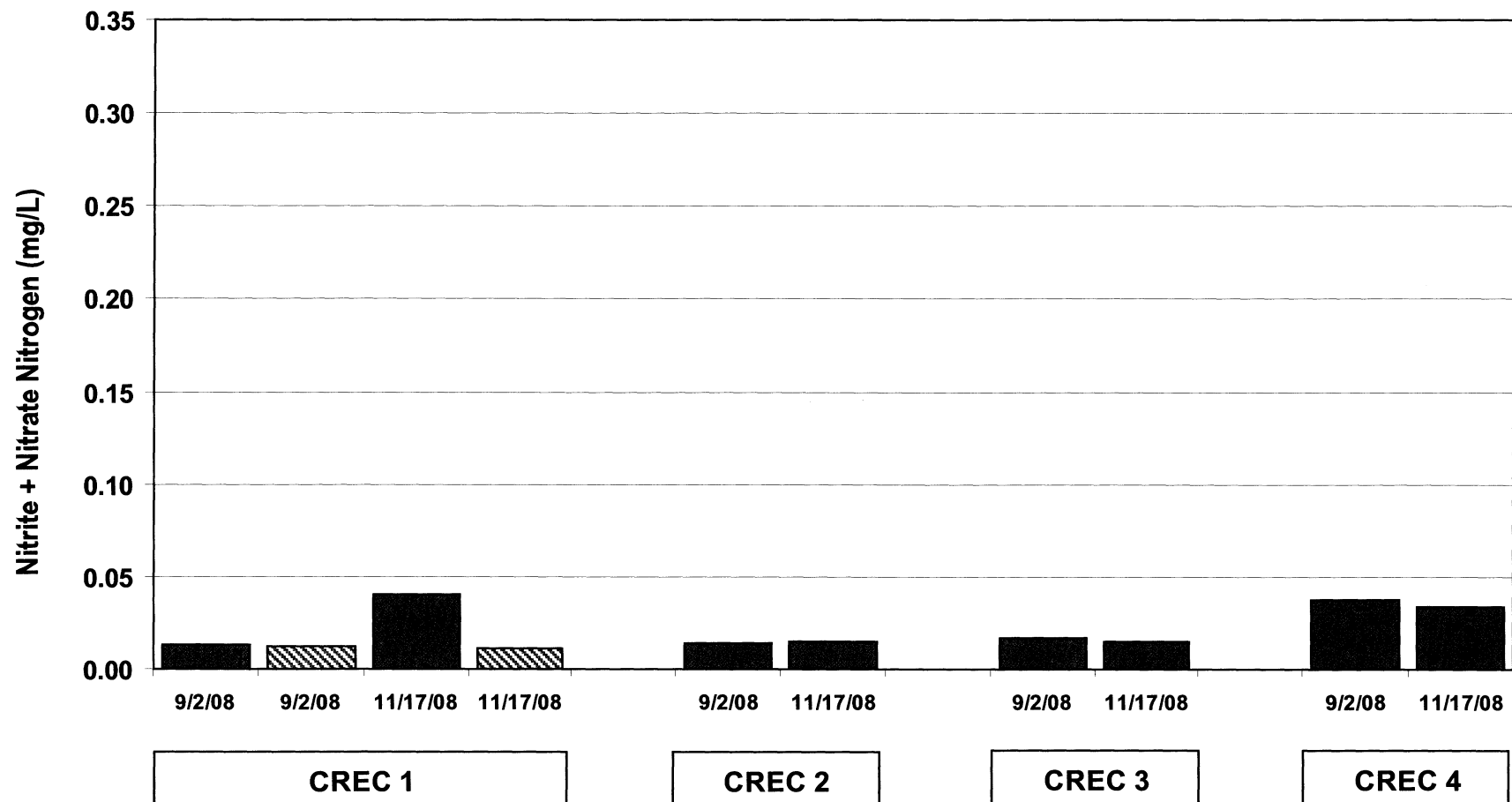
Note: All samples taken at mid depth unless otherwise noted.
 ND = Not Detected, below method detection limit or reporting limit

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Ammonia (mg/L) at CREC Stations

FIGURE 3.2.2-4

Rev 0



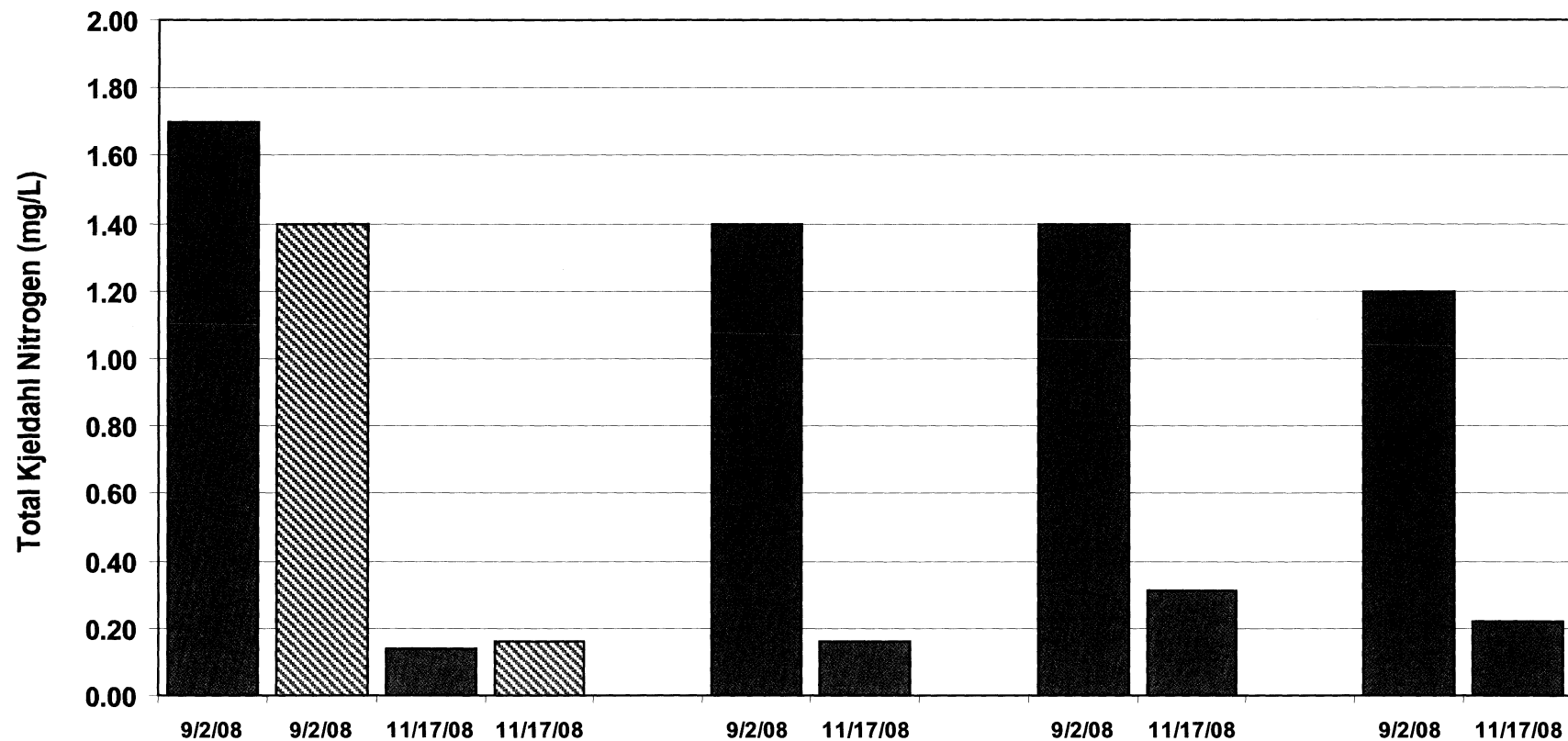
■ Native Sample
 ▨ Duplicate Sample



Note: All samples taken at mid depth unless otherwise noted.
 ND = Not Detected, below method detection limit or reporting limit

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Nitrite + Nitrate Nitrogen (mg/L) at
 CREC Stations
 FIGURE 3.2.2-5

Rev 1



 Native Sample
 Duplicate Sample

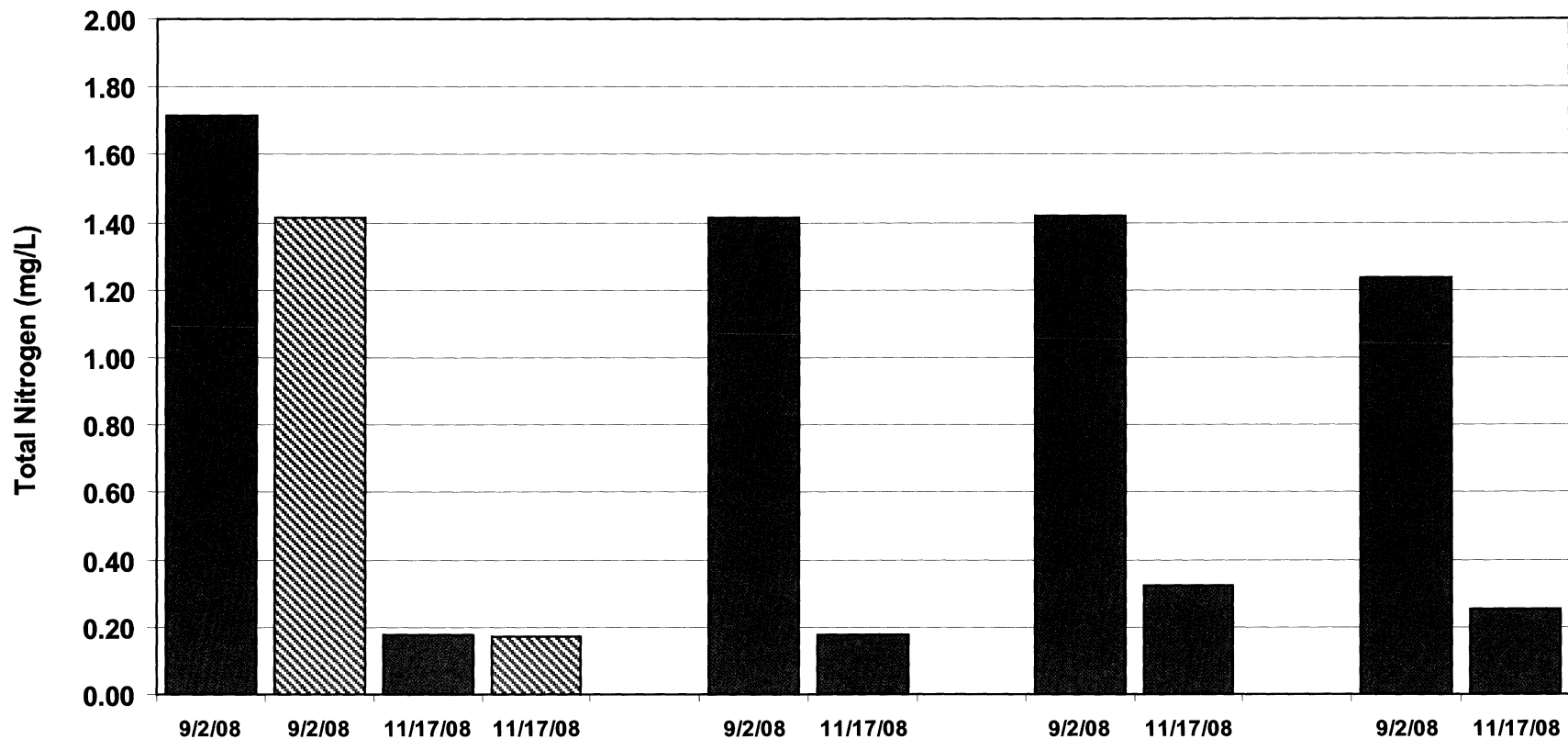
Note: All samples taken at mid depth unless otherwise noted.
 ND = Not Detected, below method detection limit or reporting limit



Progress Energy Florida
 Levy Nuclear Plant
 Units 1 and 2
 Aquatic Ecology Sampling Report

Total Kjeldahl Nitrogen (mg/L) at CREC Stations

FIGURE 3.2.2-6

Rev 0



 Native Sample
 Duplicate Sample

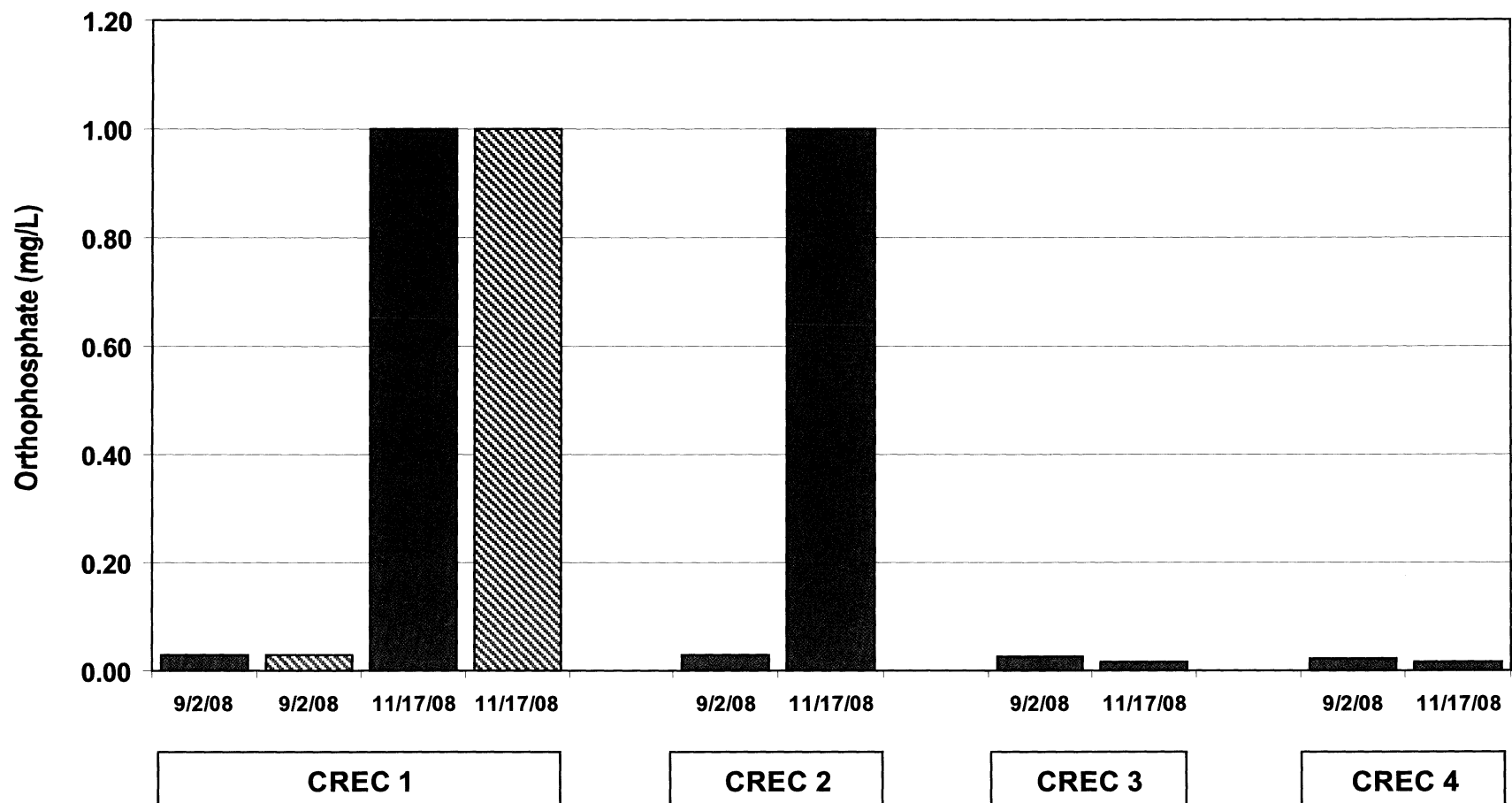
Note: All samples taken at mid depth unless otherwise noted.
 ND = Not Detected, below method detection limit or reporting limit

Progress Energy Florida
 Levy Nuclear Plant
 Units 1 and 2
 Aquatic Ecology Sampling Report

Total Nitrogen (mg/L) at CREC Stations

FIGURE 3.2.2-7

Rev 0



■ Native Sample
 ▨ Duplicate Sample

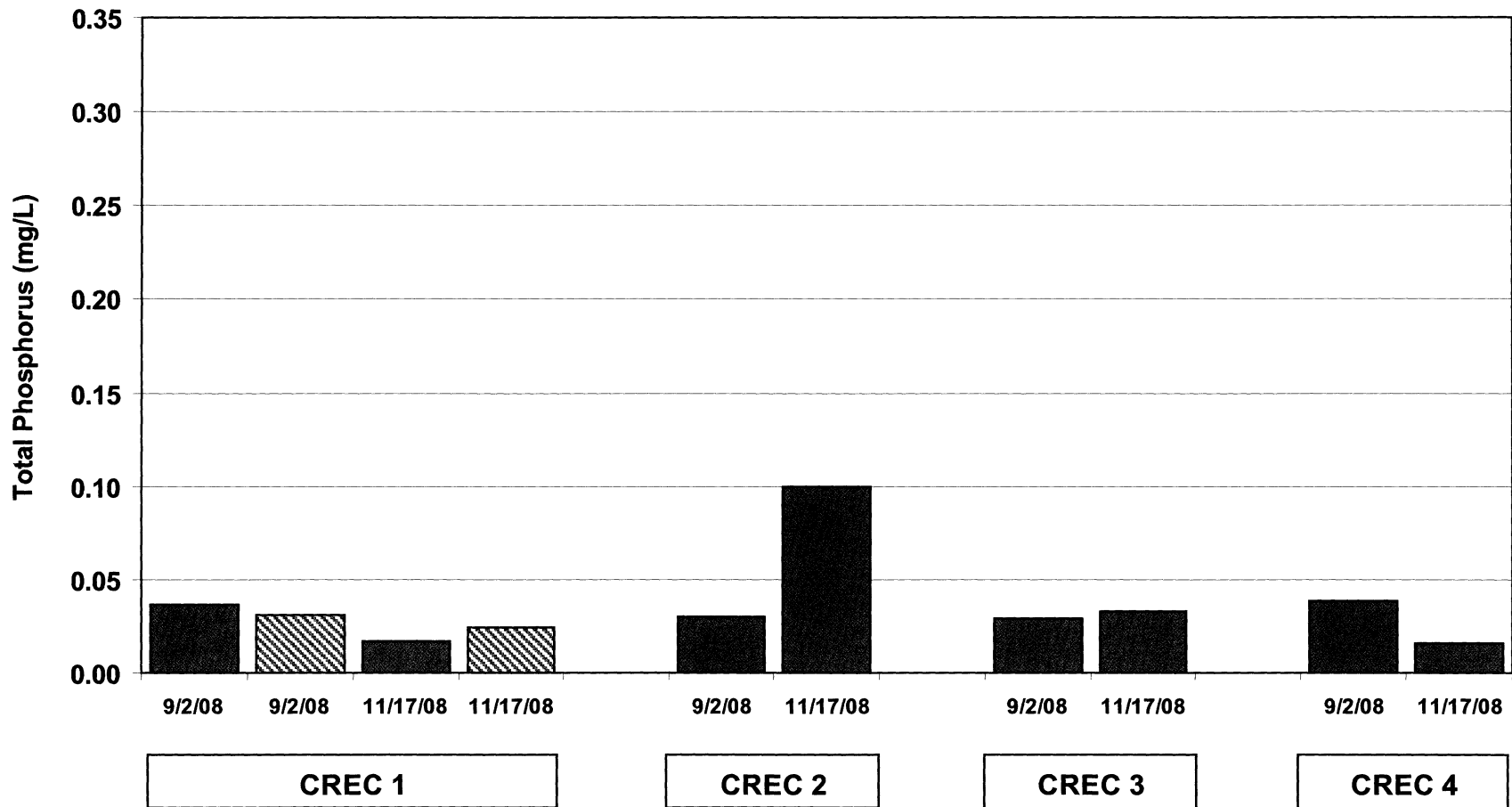
Note: All samples taken at mid depth unless otherwise noted.
 ND = Not Detected, below method detection limit or reporting limit

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 Units 1 and 2
 Aquatic Ecology Sampling Report

Orthophosphate (mg/L) at CREC Stations

FIGURE 3.2.2-8

Rev 0



■ Native Sample
 ▨ Duplicate Sample

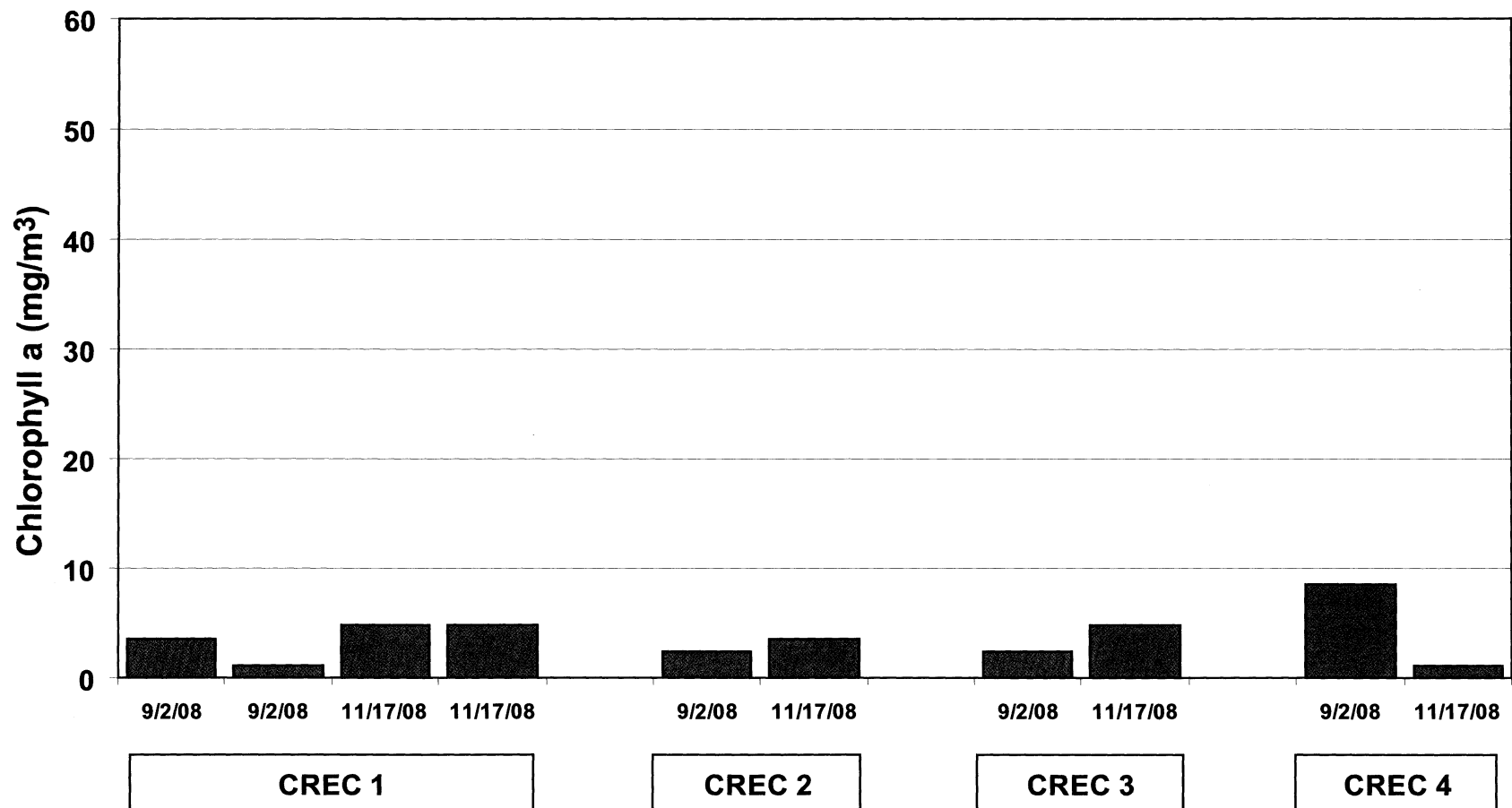
Note: All samples taken at mid depth unless otherwise noted.
 ND = Not Detected, below method detection limit or reporting limit

Progress Energy Florida
**Levy Nuclear Plant
 Units 1 and 2
 Aquatic Ecology Sampling Report**

Total Phosphorus (mg/L) at CREC Stations

FIGURE 3.2.2-9

Rev 0



■ Native Sample
 ▨ Duplicate Sample

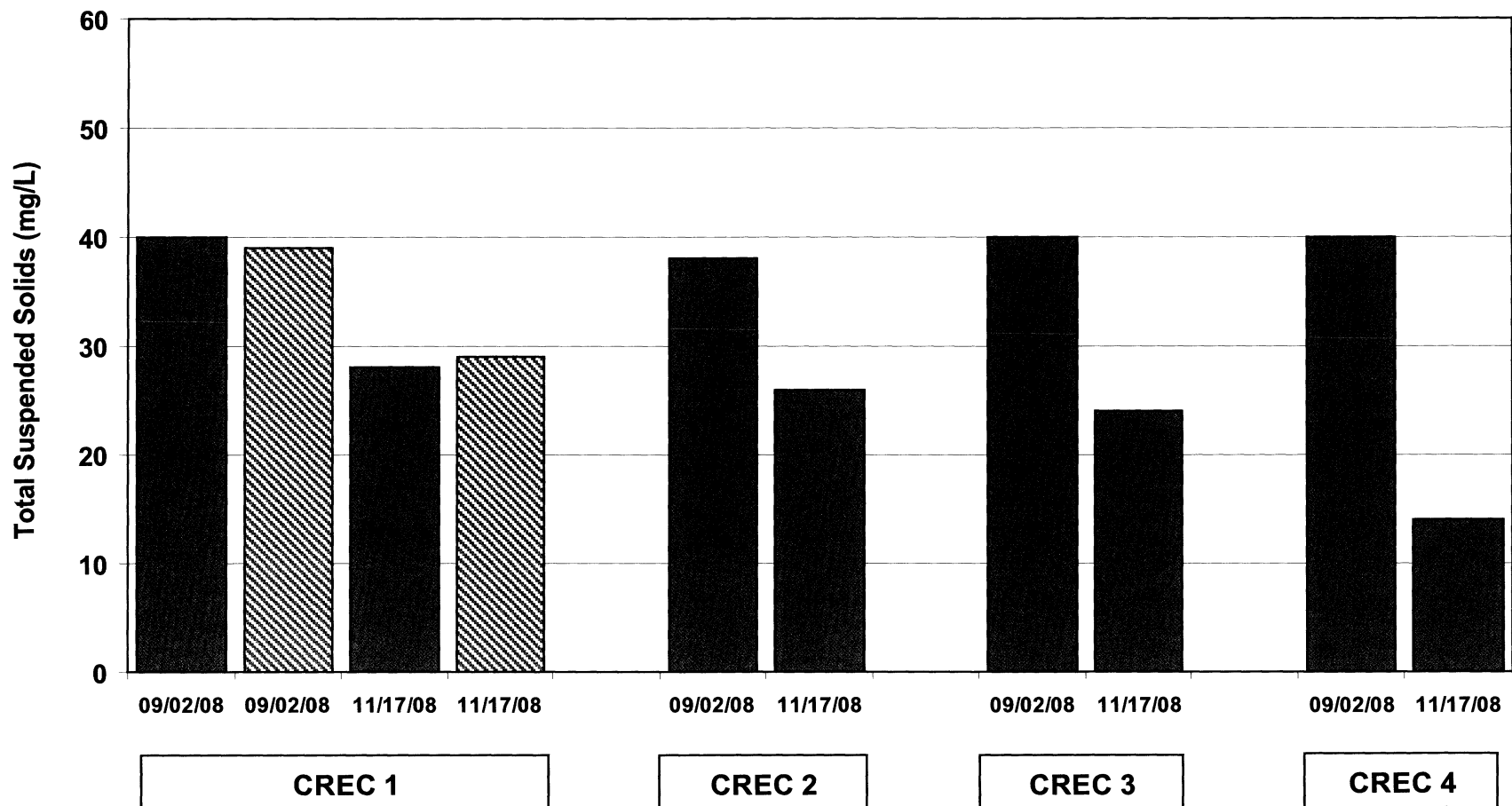
Note: All samples taken at mid depth unless otherwise noted.
 ND = Not Detected, below method detection limit or reporting limit

Progress Energy Florida
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Chlorophyll a (mg/m³) at CREC Stations

FIGURE 3.2.2-10

Rev 1



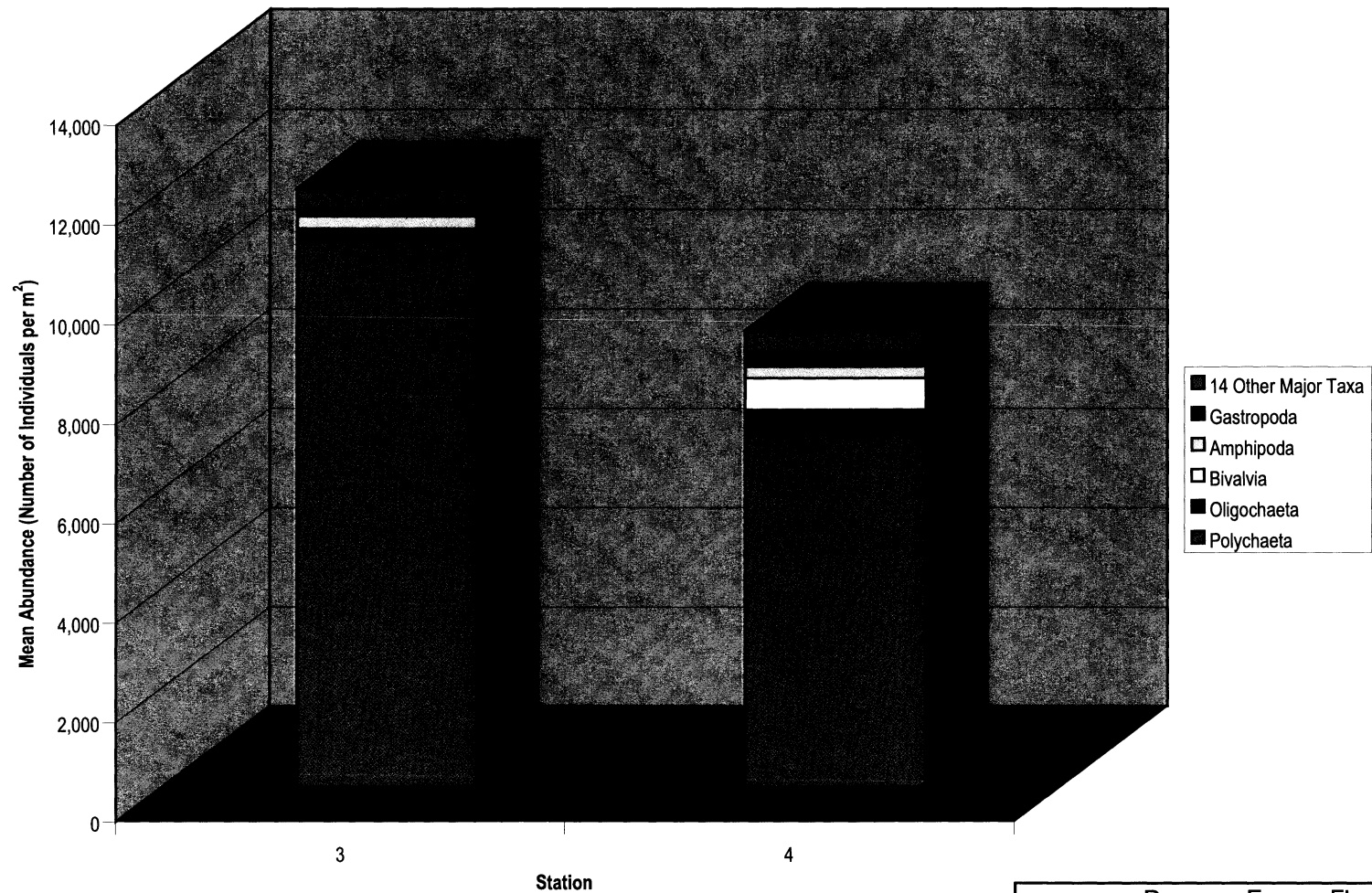
■ Native Sample
 ▨ Duplicate Sample

Note: All samples taken at mid depth unless otherwise noted.
 ND = Not Detected, below method detection limit or reporting limit

Progress Energy Florida
 Levy Nuclear Plant
 Units 1 and 2
 Aquatic Ecology Sampling Report

Total Suspended Solids (mg/L) at
 CREC Stations
 FIGURE 3.2.2-11

Rev 0

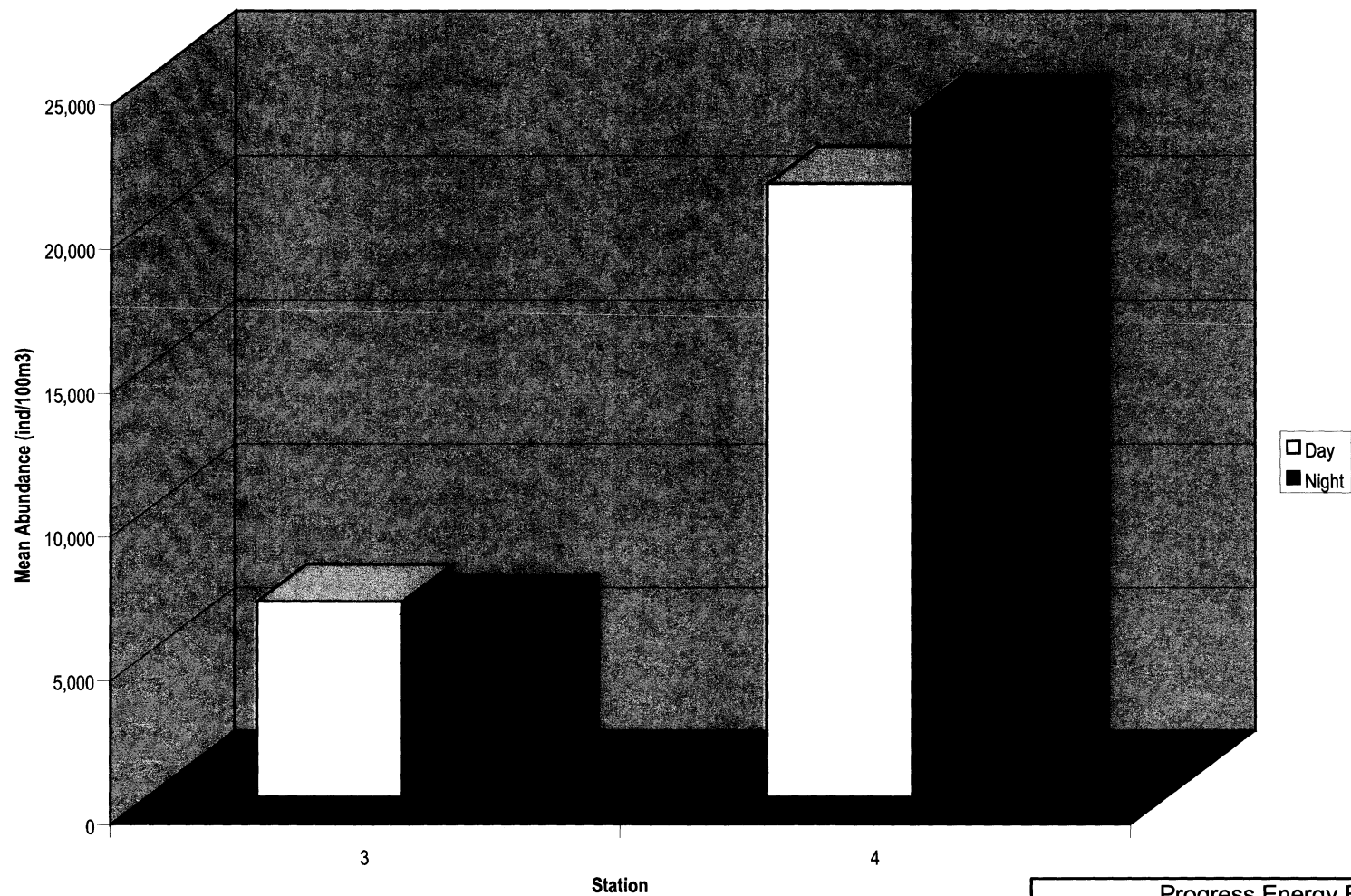


Progress Energy Florida
**Levy Nuclear Plant
Units 1 and 2
Aquatic Ecology Sampling Report**

CREC Benthic Infauna Mean Abundance and
Composition per Station

FIGURE 3.2.3.1-1

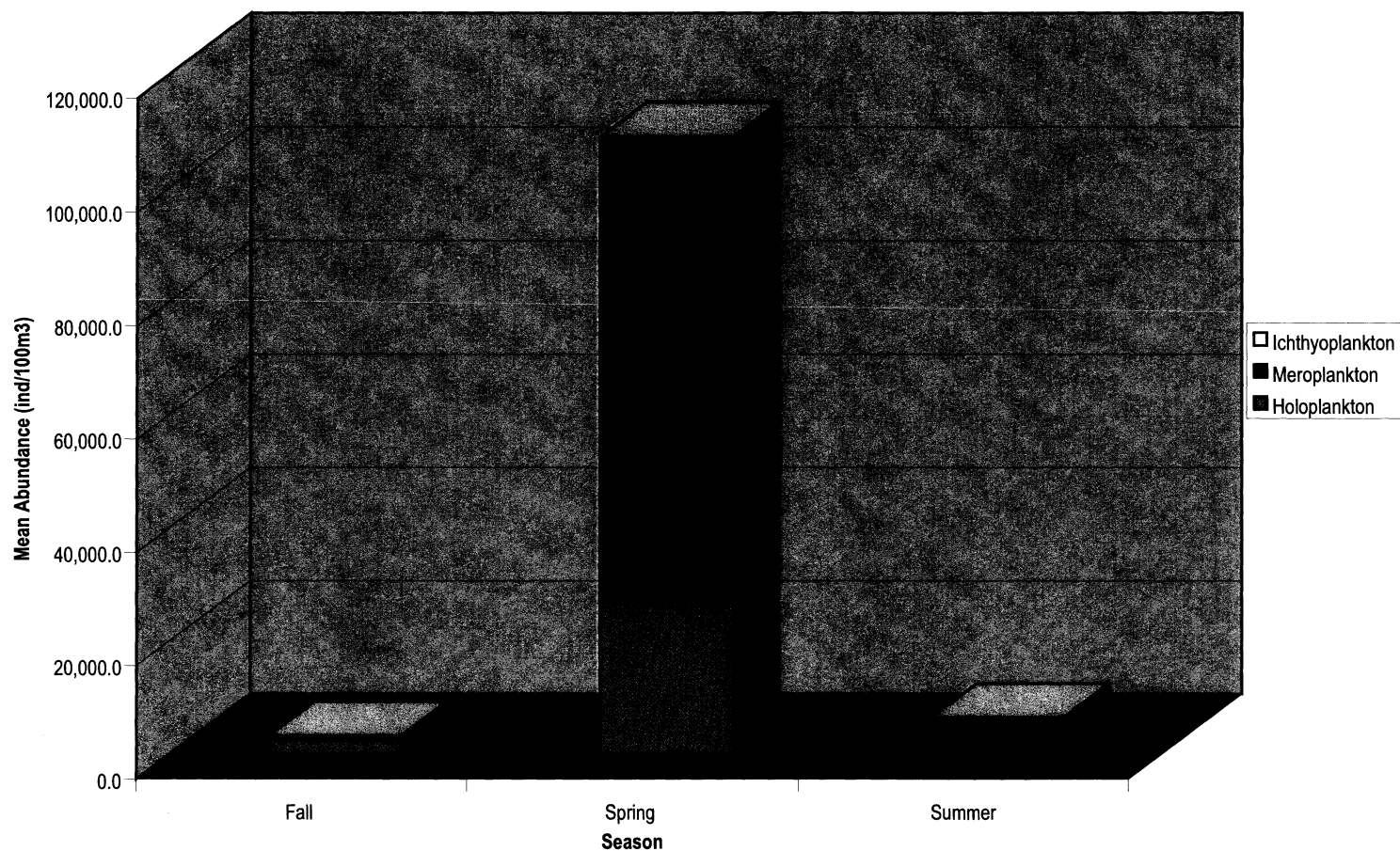
Rev 0



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**Levy Nuclear Plant
 Units 1 and 2
 Aquatic Ecology Sampling Report**

Holoplankton Diurnal Variation at
 Stations in the CREC
 FIGURE 3.2.3.2-1

Rev 0

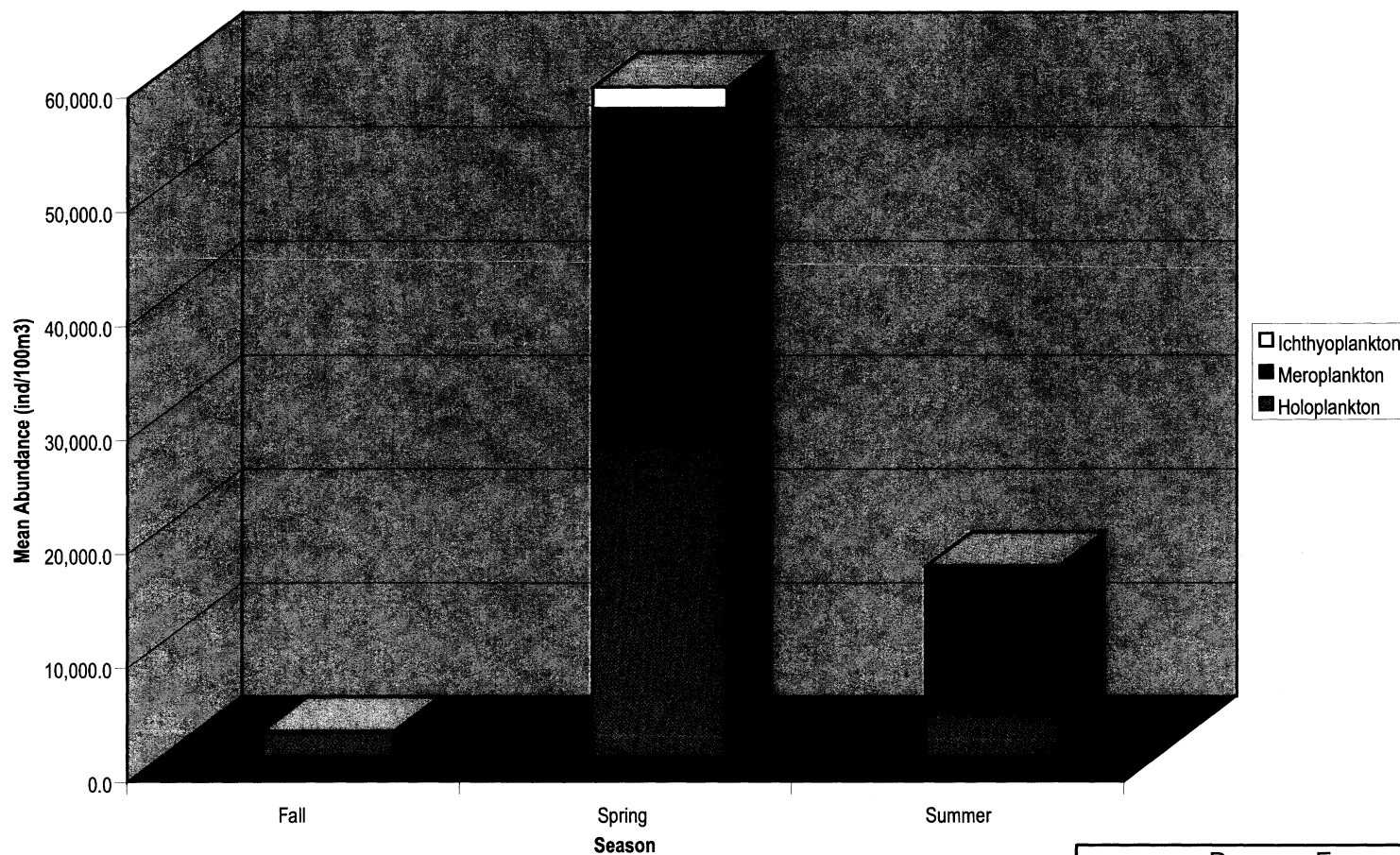


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Units 1 and 2
Aquatic Ecology Sampling Report

Daytime Temporal Variation in the CREC

FIGURE 3.2.3.2-2

Rev 0

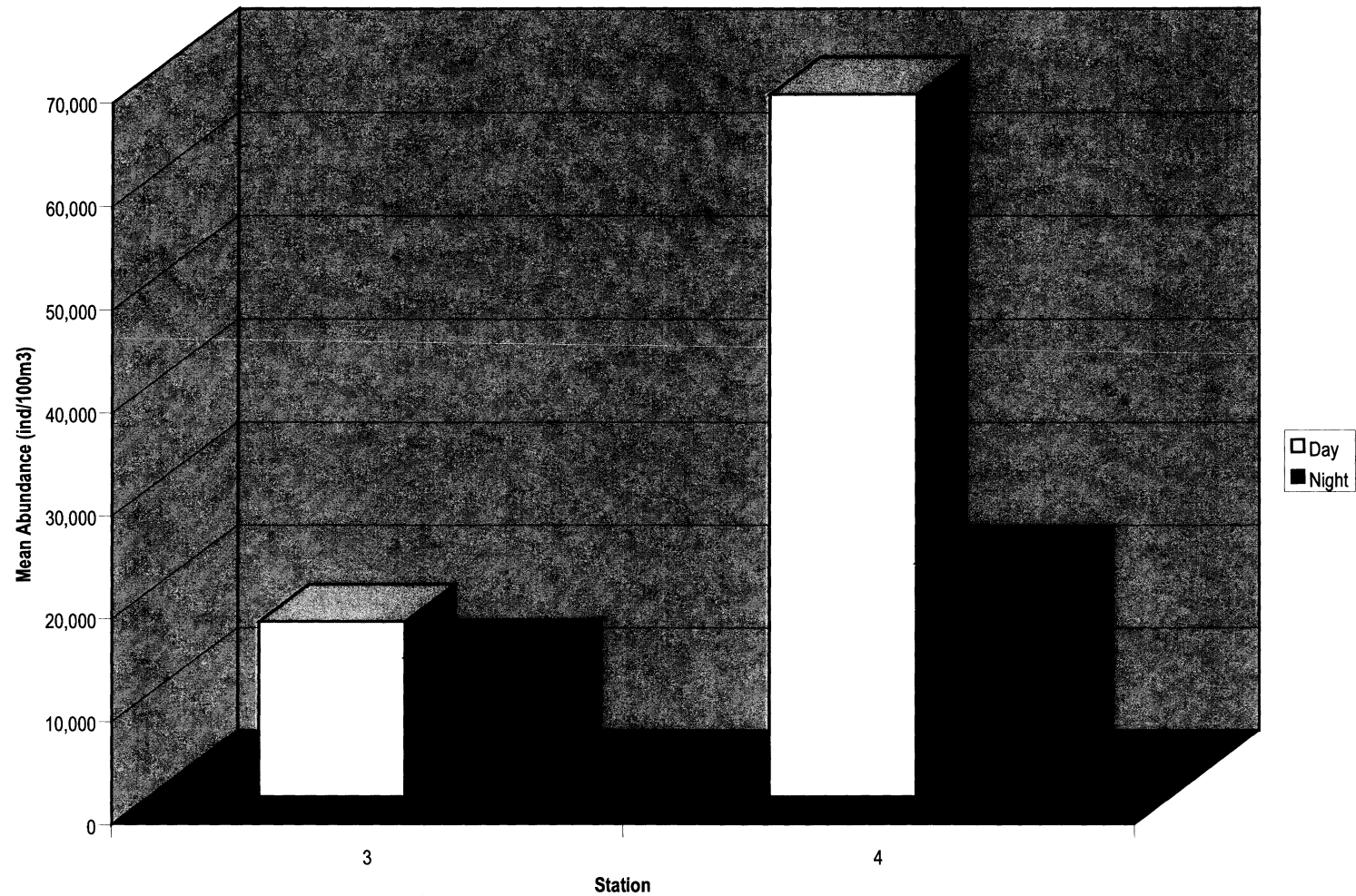


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**Levy Nuclear Plant
 Units 1 and 2
 Aquatic Ecology Sampling Report**

Nighttime Temporal Variation in the CREC

FIGURE 3.2.3.2-3

Rev 0

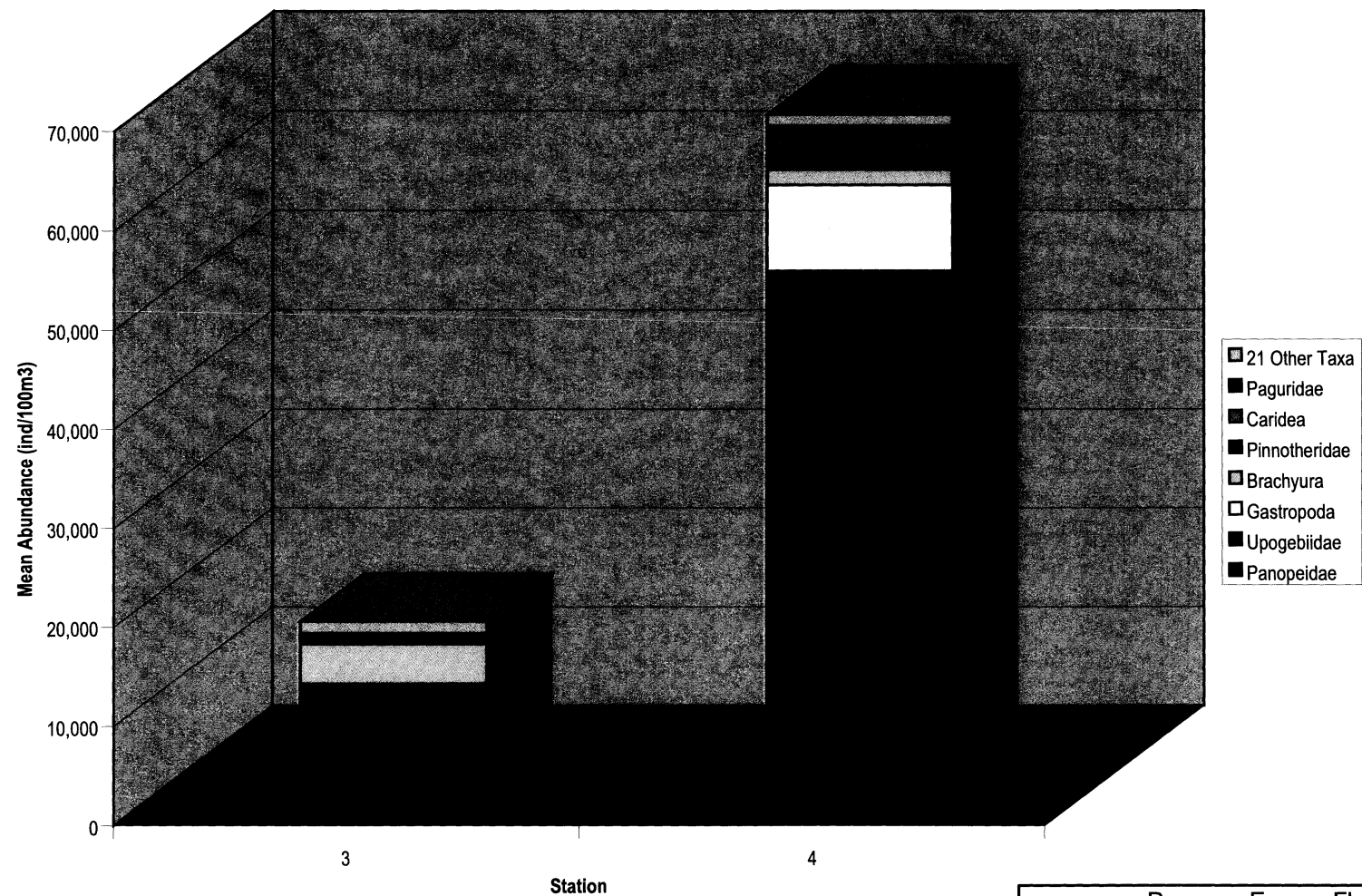


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Aquatic Ecology Sampling Report

Meroplankton Diurnal Variation at
 Stations in the CREC

FIGURE 3.2.3.2-4

Rev 0

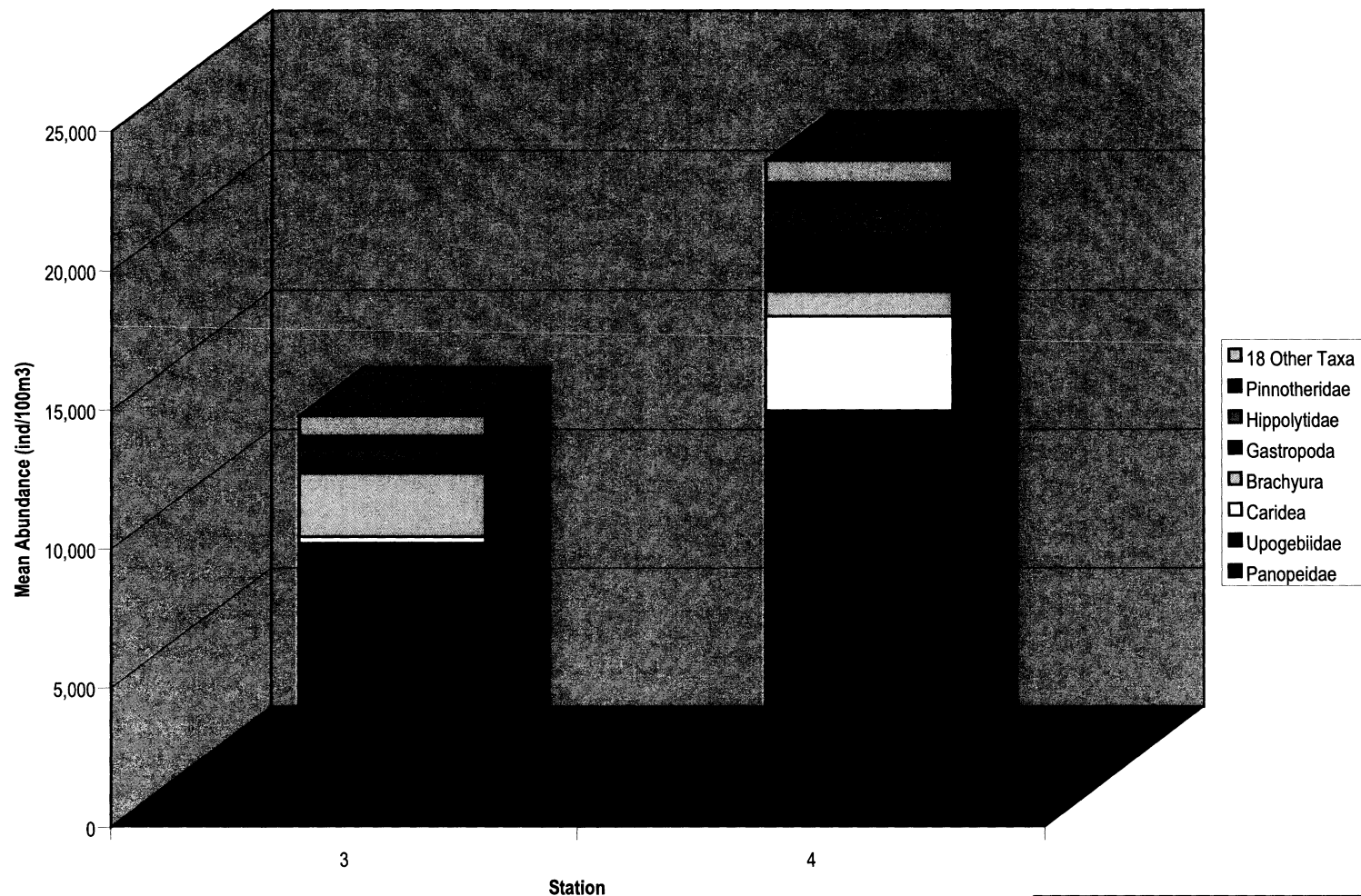


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Units 1 and 2
Aquatic Ecology Sampling Report

Daytime Meroplankton Mean Abundance and
Composition for Stations in the CREC

FIGURE 3.2.3.2-5

Rev 0

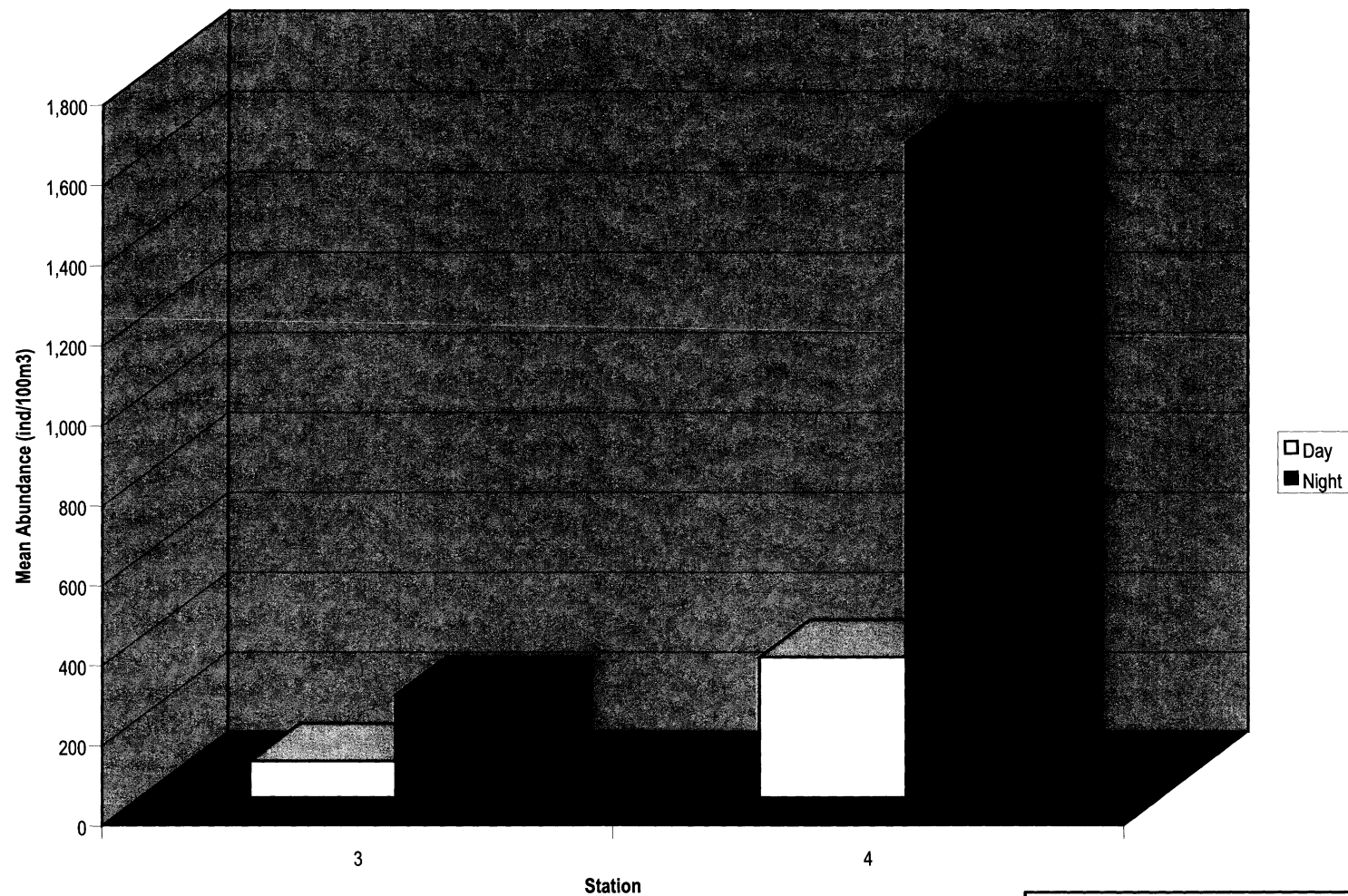


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Nighttime Meroplankton Mean Abundance and
Composition for Stations in the CREC

FIGURE 3.2.3.2-6

Rev 0



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Aquatic Ecology Sampling Report

Ichthyoplankton Diurnal Variation at
 Stations in the CREC
 FIGURE 3.2.3.2-7

Rev 0



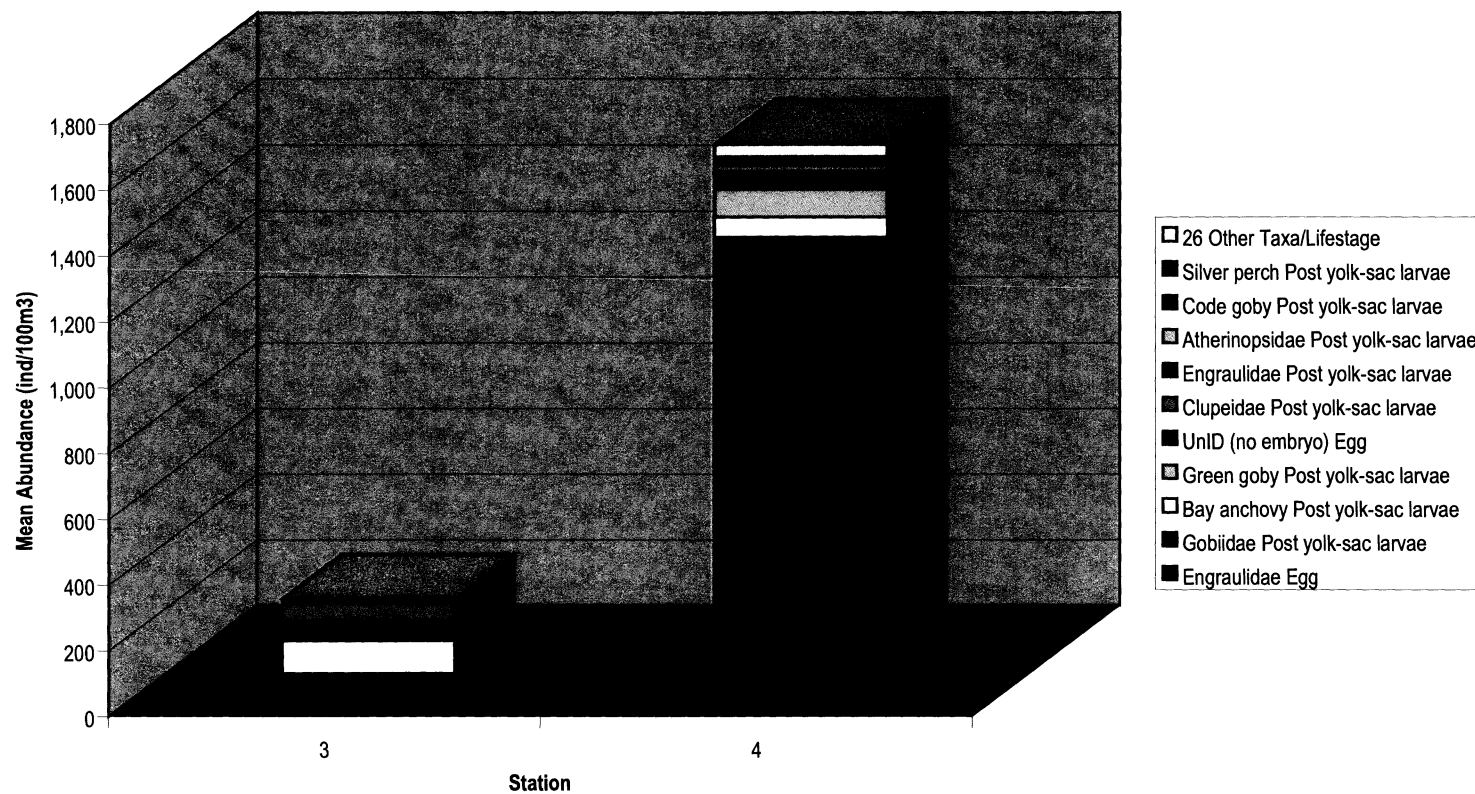
Egg complex of Carangidae/ Haemulidae/ Merlucciidae/ Paralichthyidae/ Sciaenidae/ Serranidae families

Progress Energy Florida
Levy Nuclear Plant
Units 1 and 2
Aquatic Ecology Sampling Report

Daytime Ichthyoplankton Mean Abundance and
Composition for Stations in the CREC

FIGURE 3.2.3.2-8

Rev 0

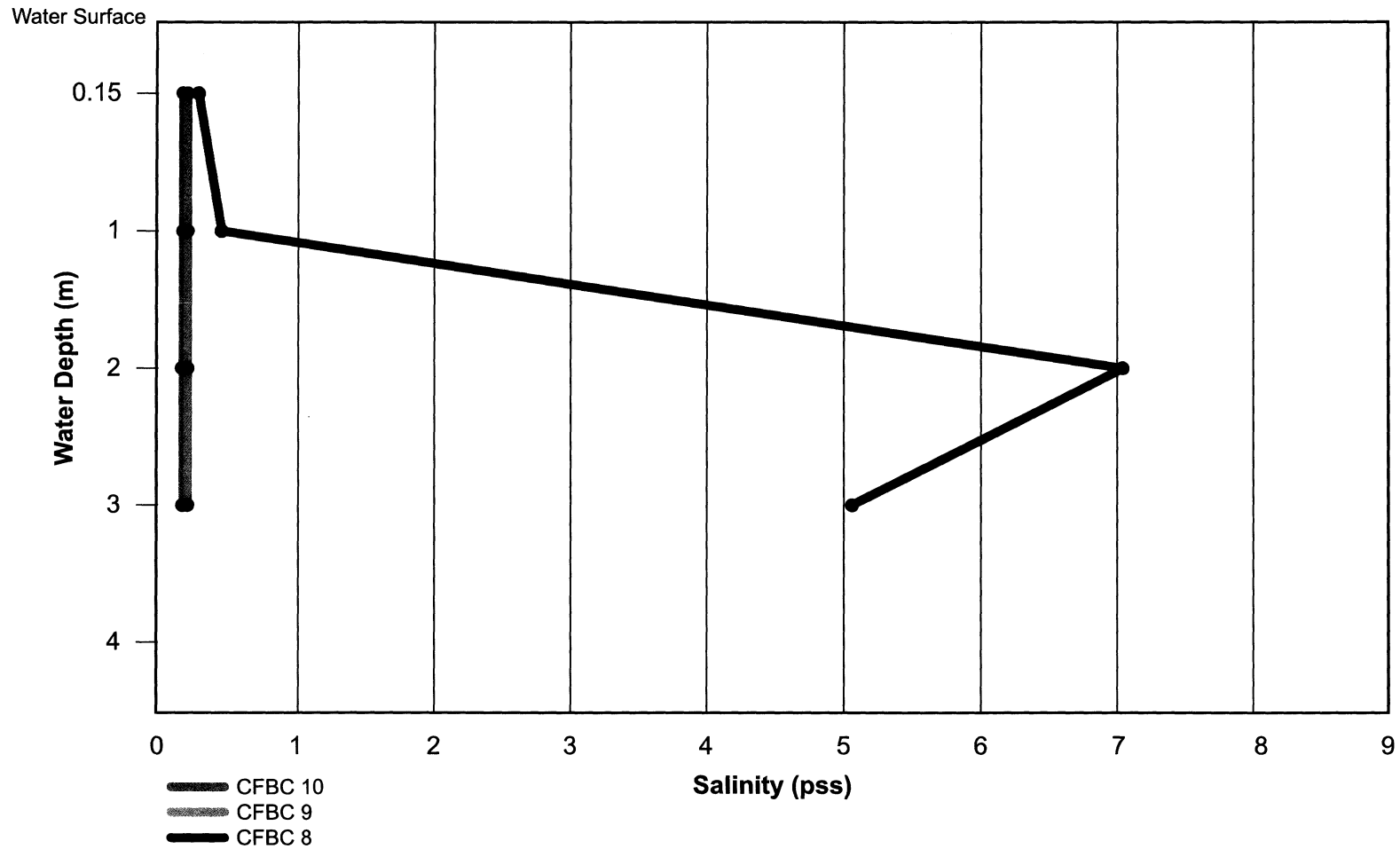


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**Levy Nuclear Plant
Units 1 and 2
Aquatic Ecology Sampling Report**

Nighttime Ichthyoplankton Mean Abundance and
Composition for Stations in the CREC

FIGURE 3.2.3.2-9

Rev 0



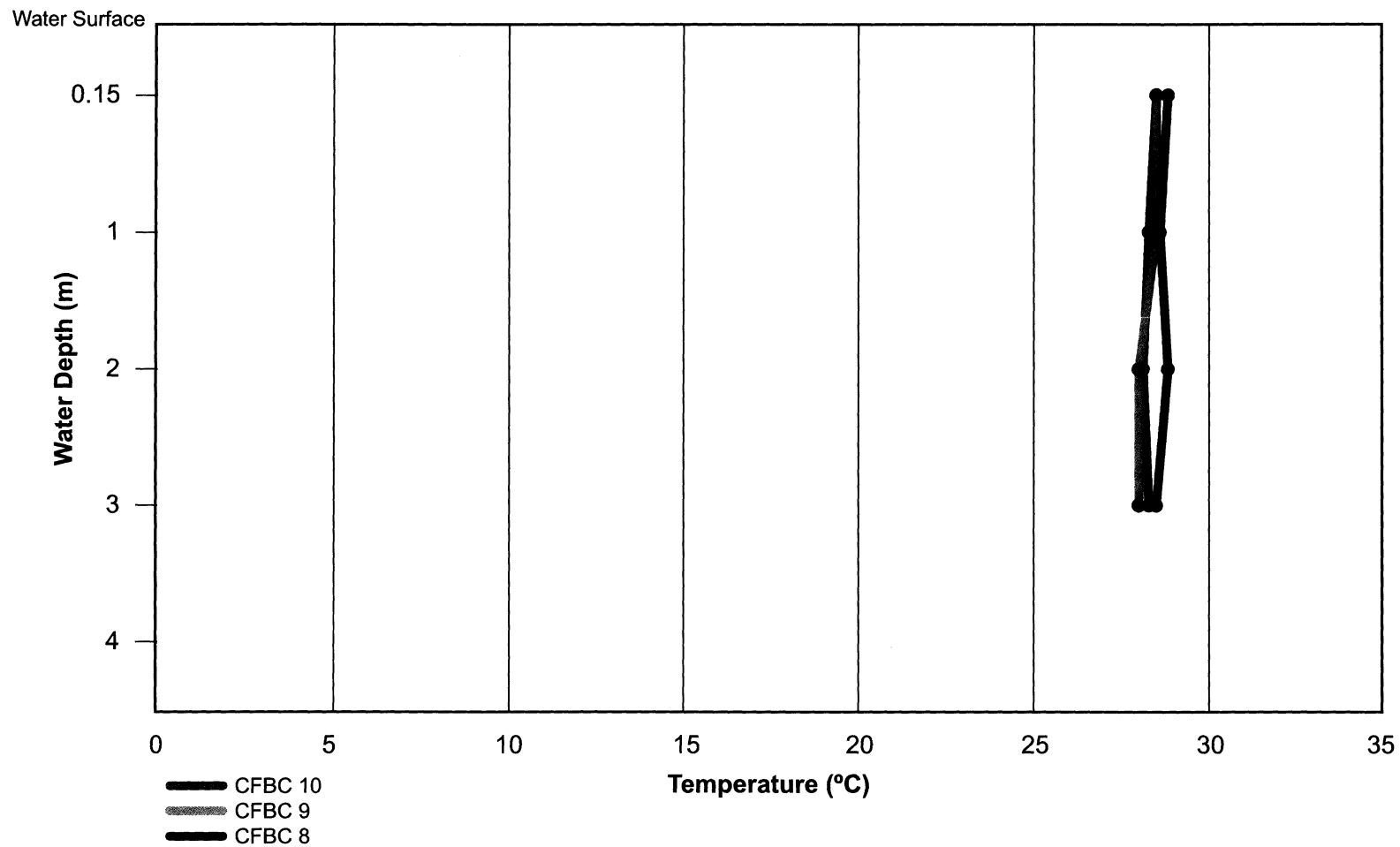
Note: CFBC Stations 8, 9, and 10 total water depths are less than 4 meters.

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Units 1 and 2
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Average Salinity (pss) at OWR Stations

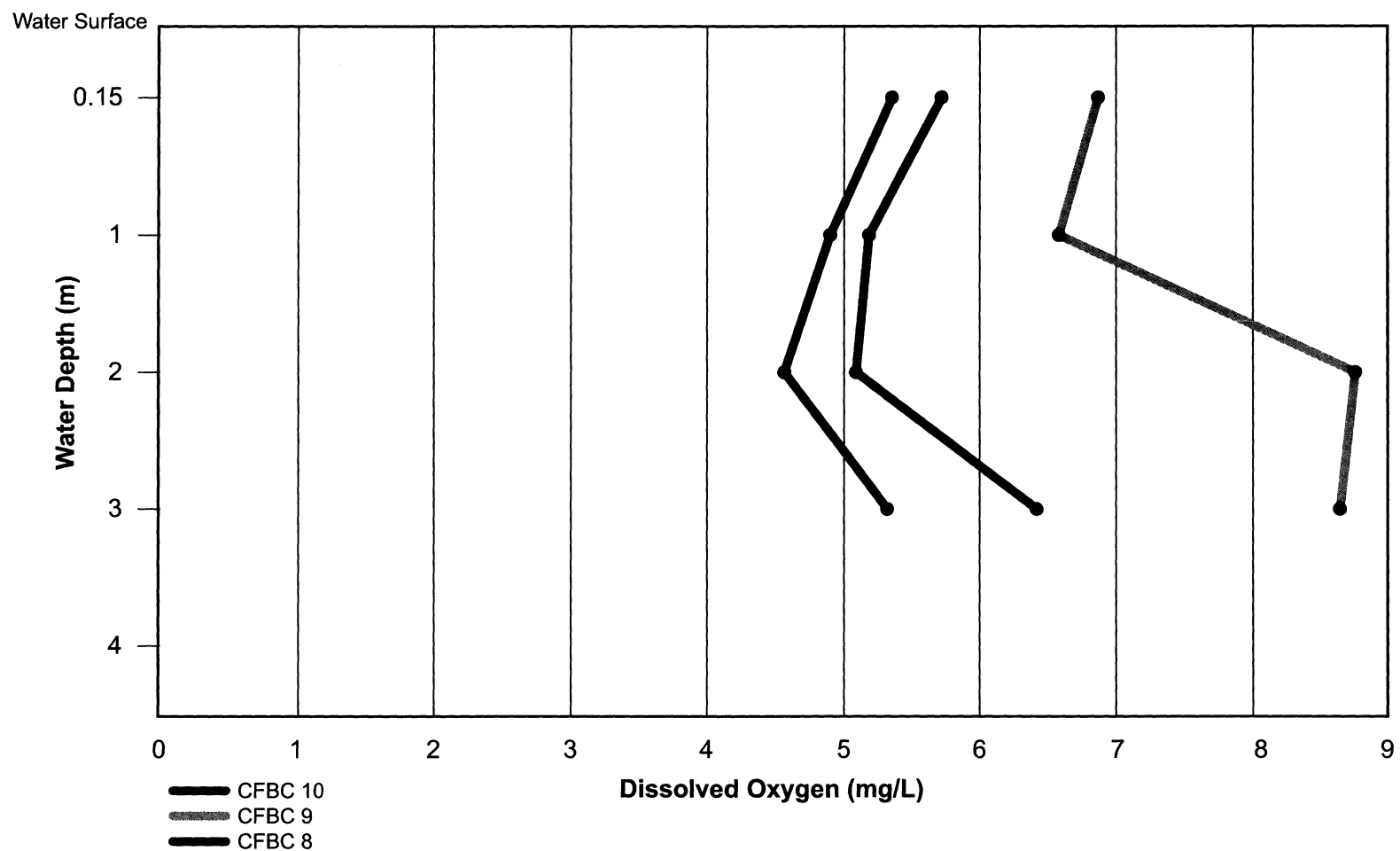
FIGURE 3.3.2-1

Rev 0



Note: CFBC Stations 8, 9, and 10 total water depths are less than 4 meters.

<p>Progress Energy Florida</p> <p>Levy Nuclear Plant</p> <p>Units 1 and 2</p> <p>Aquatic Ecology Sampling Report</p>
<p>Average Temperature (°C) at OWR Stations</p>
<p>FIGURE 3.3.2-2</p> <p>Rev 0</p>

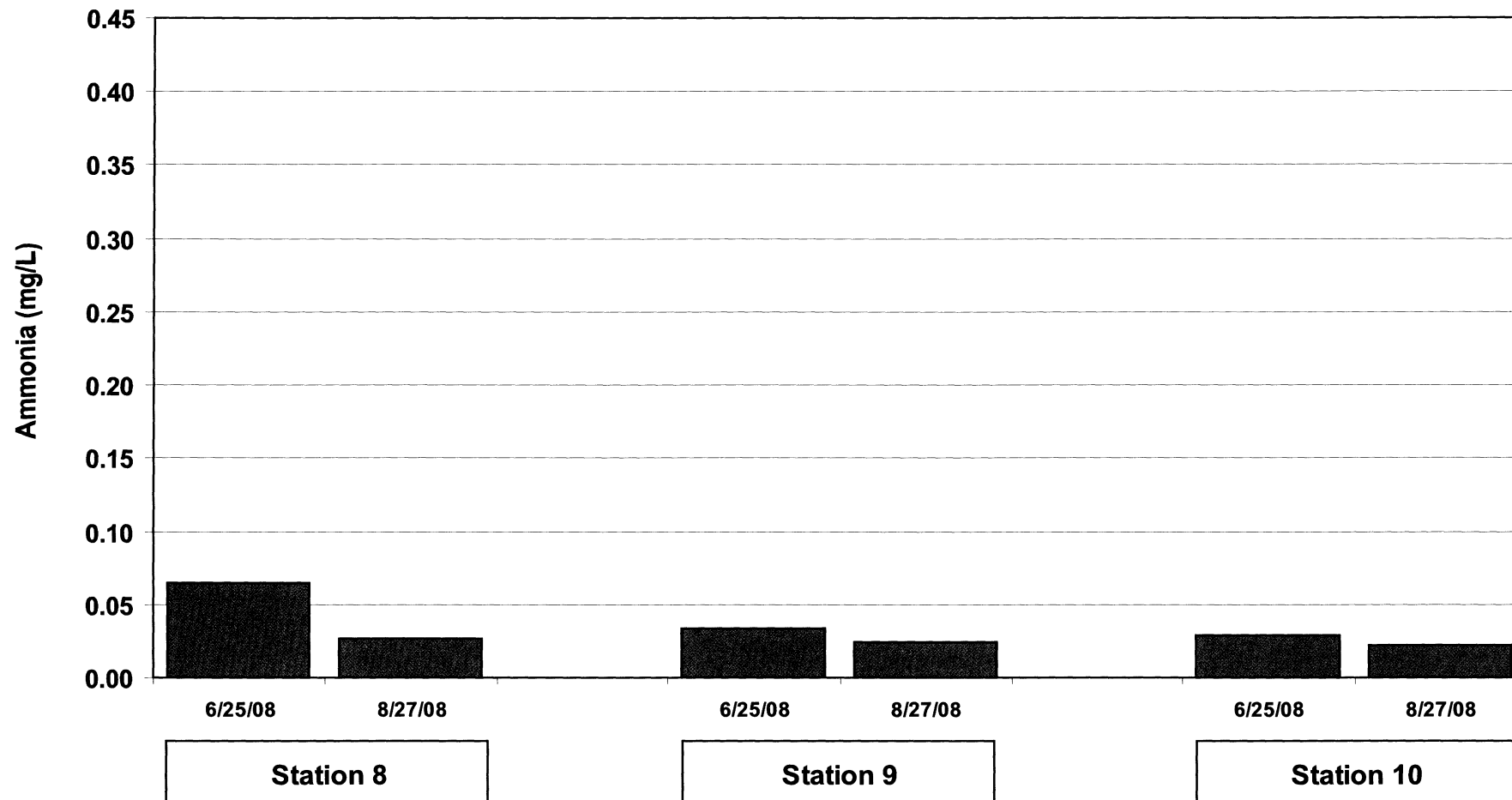


Note: CFBC Stations 8, 9, and 10 total water depths are less than 4 meters.

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Average Dissolved Oxygen (mg/L)
 at OWR Stations
FIGURE 3.3.2-3

Rev 0



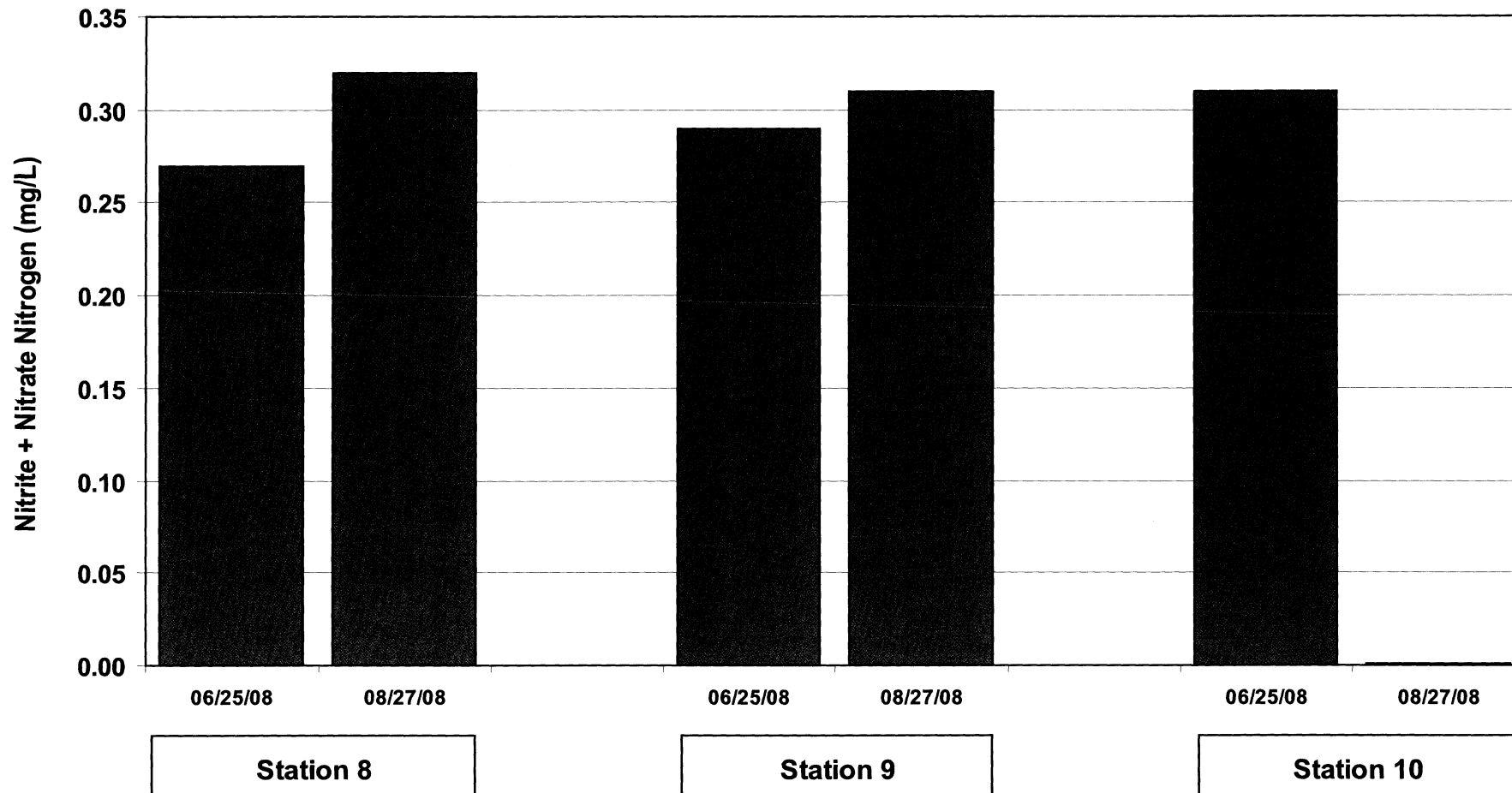
Note: All samples taken at mid depth unless otherwise noted.

Progress Energy Florida
Levy Nuclear Plant
Units 1 and 2
Aquatic Ecology Sampling Report

Ammonia (mg/L) at OWR Stations

FIGURE 3.3.2-4

Rev 0



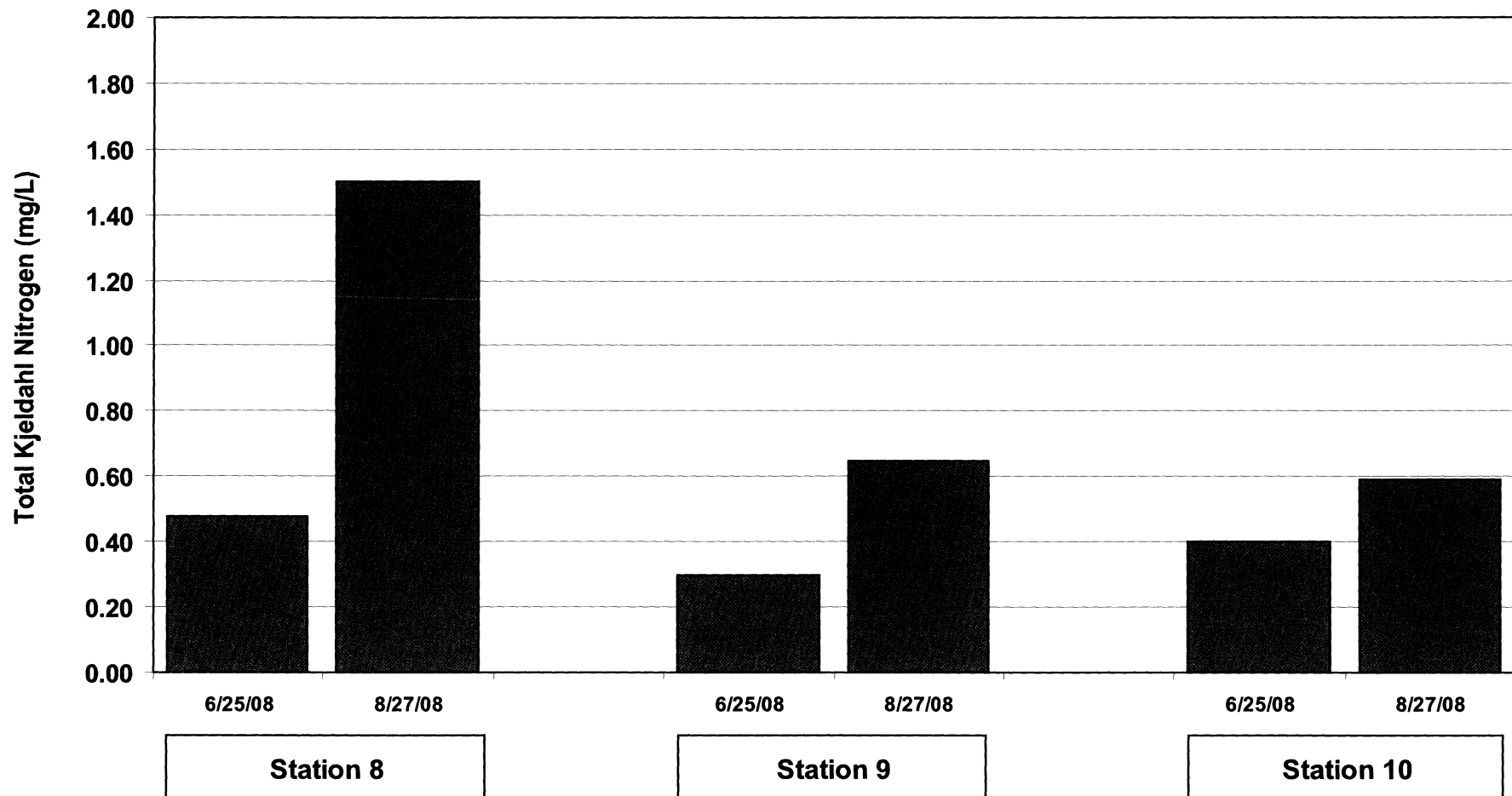
Note: All samples taken at mid depth unless otherwise noted.

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Levy Nuclear Plant
Units 1 and 2
Aquatic Ecology Sampling Report

Nitrite + Nitrate Nitrogen (mg/L) at OWR Stations

FIGURE 3.3.2-5

Rev 0



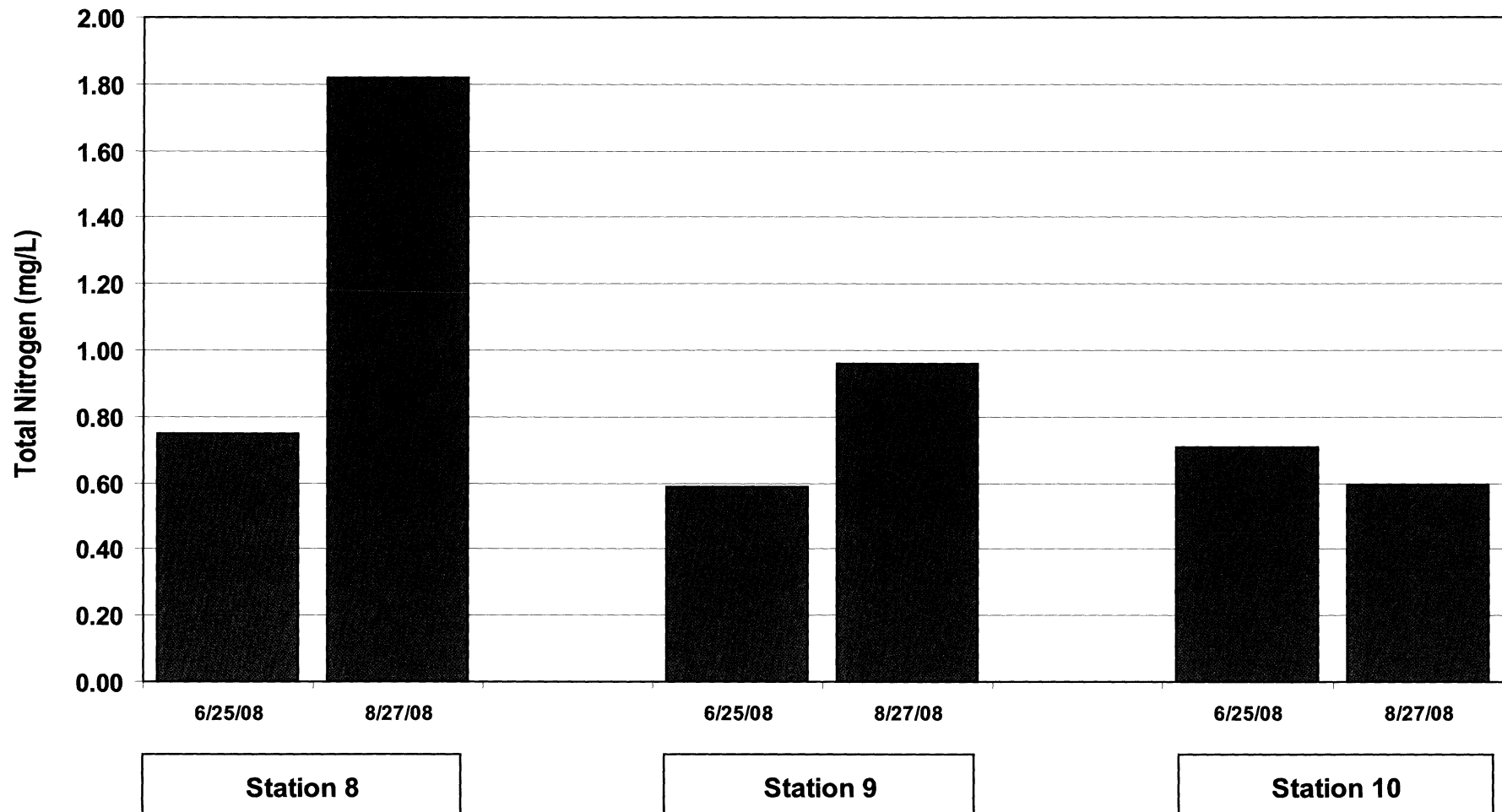
Note: All samples taken at mid depth unless otherwise noted.

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Levy Nuclear Plant
Units 1 and 2
Aquatic Ecology Sampling Report

Total Kjeldahl Nitrogen (mg/L) At OWR Stations

FIGURE 3.3.2-6

Rev 0



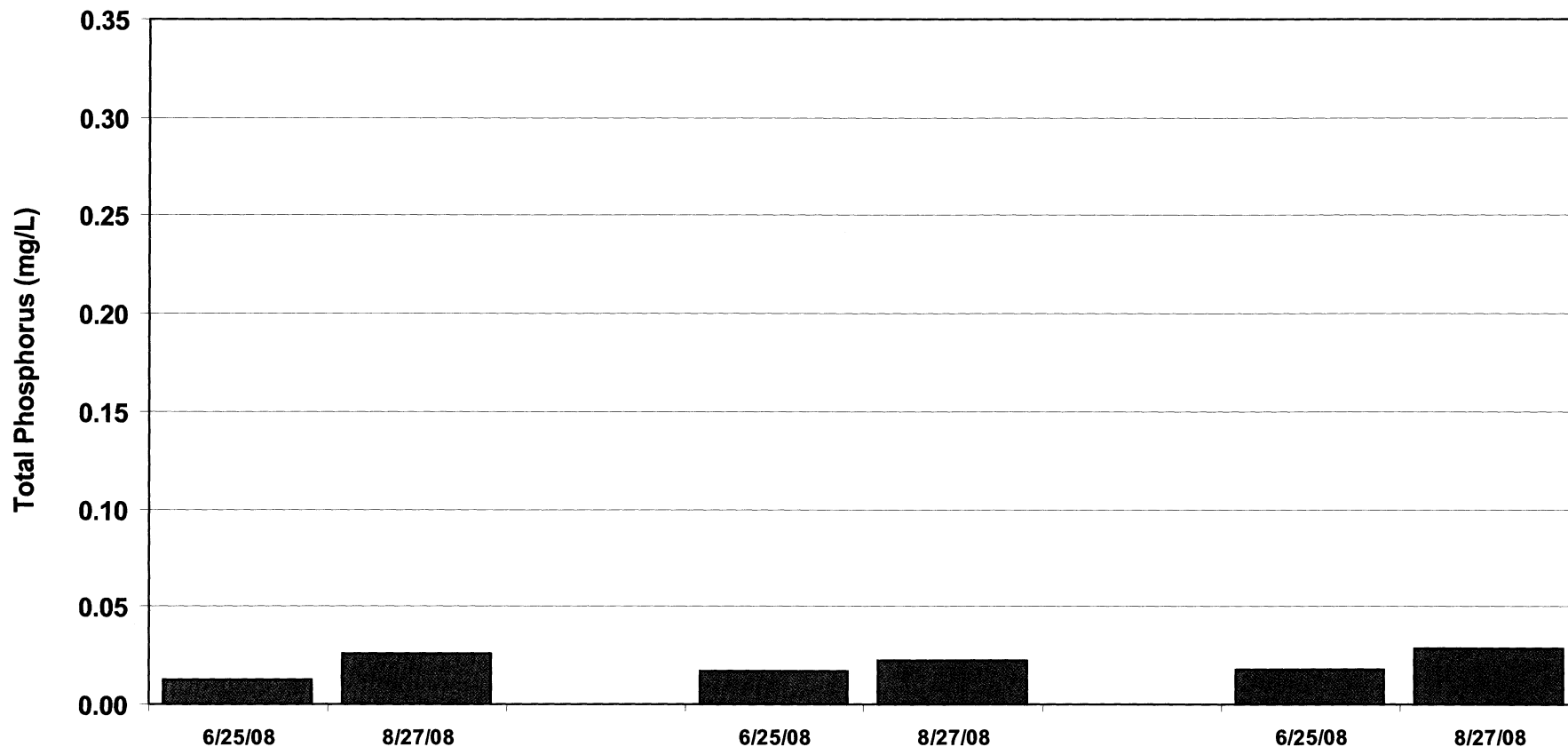
Note: All samples taken at mid depth unless otherwise noted.

Progress Energy Florida
Levy Nuclear Plant
Units 1 and 2
Aquatic Ecology Sampling Report

Total Nitrogen (mg/L) at OWR Stations

FIGURE 3.3.2-7

Rev 0



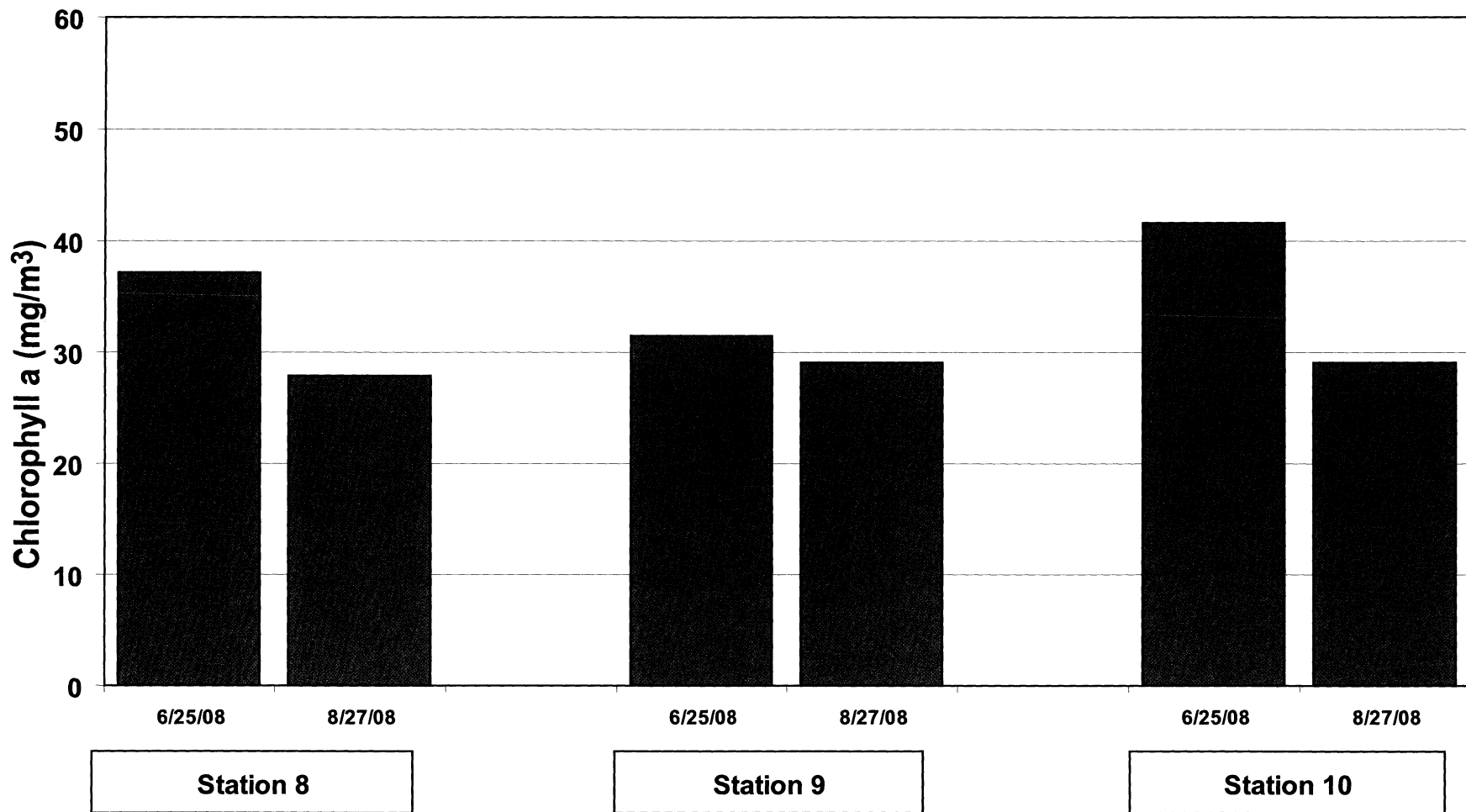
Note: All samples taken at mid depth unless otherwise noted.

Progress Energy Florida
Levy Nuclear Plant
Units 1 and 2
Aquatic Ecology Sampling Report

Total Phosphorus (mg/L) at OWR Stations

FIGURE 3.3.2-8

Rev 0



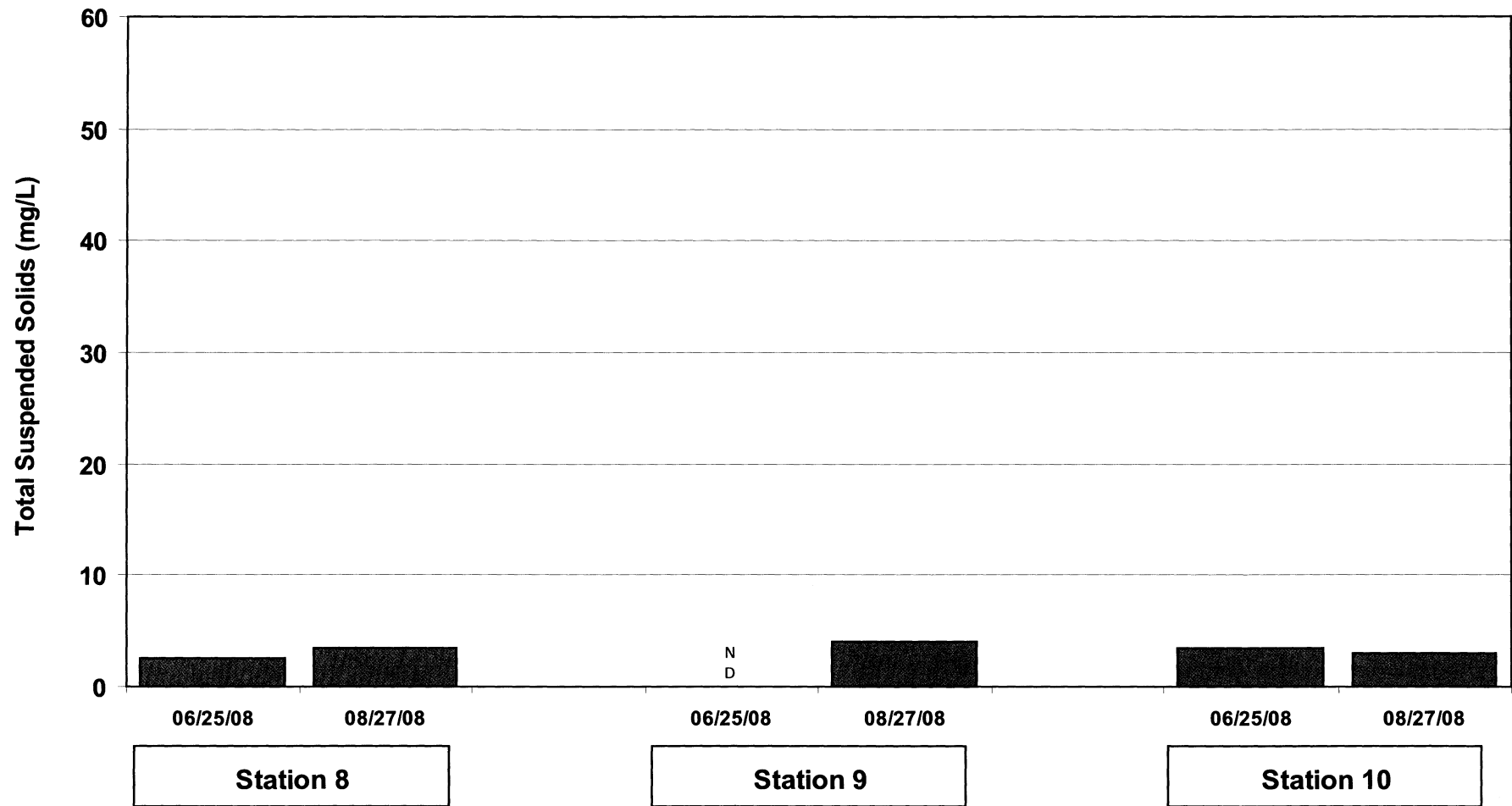
Note: All samples taken at mid depth unless otherwise noted.

Progress Energy Florida
Levy Nuclear Plant
Units 1 and 2
Aquatic Ecology Sampling Report

Chlorophyll a (mg/m³) at OWR Stations

FIGURE 3.3.2-9

Rev 0



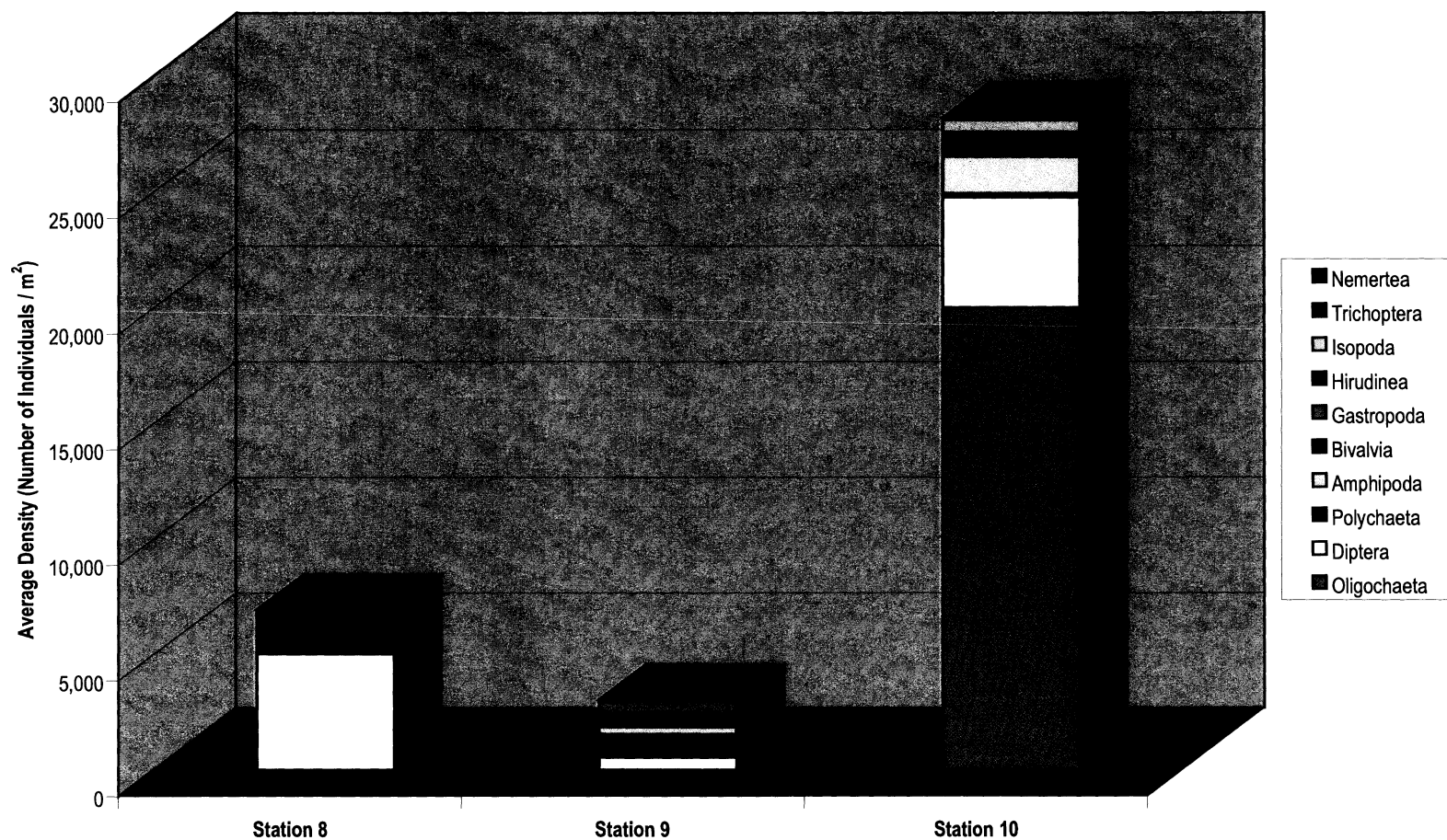
Note: All samples taken at mid depth unless otherwise noted.
 ND = Not Detected, below method detection limit or reporting limit

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Levy Nuclear Plant
Units 1 and 2
Aquatic Ecology Sampling Report

Total Suspended Solids (mg/L) at OWR Stations

FIGURE 3.3.2-10

Rev 0



Progress Energy Florida
**Levy Nuclear Plant
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 Aquatic Ecology Sampling Report**

Benthic Infauna Abundance in the OWR

FIGURE 3.3.3.1-1

Rev 0

Appendix A

Cross Florida Barge Canal Analytical and Biological Source Data

A-1

CFBC Sediment Chemistry Data

A-1 Cross Florida Barge Canal Sediment Data

Site	Station	Replicate	Date	Note	Parameter	Value	Qualifier	Units
CFBC	CFBC-01A	1	10/12/07 15:10		Total Organic Carbon	65000	=	mg/Kg
CFBC	CFBC-01A	1	10/12/07 15:10		GRAVEL	0	=	%
CFBC	CFBC-01A	1	10/12/07 15:10		COARSE SAND	0.1	=	%
CFBC	CFBC-01A	1	10/12/07 15:10		MEDIUM SAND	5.5	=	%
CFBC	CFBC-01A	1	10/12/07 15:10		FINE SAND	19.5	=	%
CFBC	CFBC-01A	1	10/12/07 15:10		SILT	59.1	=	%
CFBC	CFBC-01A	1	10/12/07 15:10		CLAY	15.7	=	%
CFBC	CFBC-01A	1	06/19/08 14:40		Total Organic Carbon	66000	J	mg/Kg
CFBC	CFBC-01A	1	06/19/08 14:40		GRAVEL	0	=	%
CFBC	CFBC-01A	1	06/19/08 14:40		COARSE SAND	0	=	%
CFBC	CFBC-01A	1	06/19/08 14:40		MEDIUM SAND	0	=	%
CFBC	CFBC-01A	1	06/19/08 14:40		FINE SAND	17.9	=	%
CFBC	CFBC-01A	1	06/19/08 14:40		SILT	47	=	%
CFBC	CFBC-01A	1	06/19/08 14:40		CLAY	35	=	%
CFBC	CFBC-01B	2	10/12/07 15:28		Total Organic Carbon	70000	=	mg/Kg
CFBC	CFBC-01B	2	10/12/07 15:28		GRAVEL	0	=	%
CFBC	CFBC-01B	2	10/12/07 15:28		COARSE SAND	0.1	=	%
CFBC	CFBC-01B	2	10/12/07 15:28		MEDIUM SAND	5.7	=	%
CFBC	CFBC-01B	2	10/12/07 15:28		FINE SAND	12.9	=	%
CFBC	CFBC-01B	2	10/12/07 15:28		SILT	59.7	=	%
CFBC	CFBC-01B	2	10/12/07 15:28		CLAY	21.6	=	%
CFBC	CFBC-01B	2	06/19/08 14:00		Total Organic Carbon	61000	=	mg/Kg
CFBC	CFBC-01B	2	06/19/08 14:00		GRAVEL	0	=	%
CFBC	CFBC-01B	2	06/19/08 14:00		COARSE SAND	0	=	%
CFBC	CFBC-01B	2	06/19/08 14:00		MEDIUM SAND	0	=	%
CFBC	CFBC-01B	2	06/19/08 14:00		FINE SAND	19.5	=	%
CFBC	CFBC-01B	2	06/19/08 14:00		SILT	45.7	=	%
CFBC	CFBC-01B	2	06/19/08 14:00		CLAY	34.8	=	%
CFBC	CFBC-01B	2	06/19/08 14:00	Field Dup	Total Organic Carbon	53000	=	mg/Kg
CFBC	CFBC-01B	2	06/19/08 14:00	Field Dup	GRAVEL	0.1	=	%
CFBC	CFBC-01B	2	06/19/08 14:00	Field Dup	COARSE SAND	0.3	=	%
CFBC	CFBC-01B	2	06/19/08 14:00	Field Dup	MEDIUM SAND	2.4	=	%
CFBC	CFBC-01B	2	06/19/08 14:00	Field Dup	FINE SAND	23.4	=	%
CFBC	CFBC-01B	2	06/19/08 14:00	Field Dup	SILT	54.8	=	%
CFBC	CFBC-01B	2	06/19/08 14:00	Field Dup	CLAY	19.1	=	%
CFBC	CFBC-01C	3	10/12/07 16:00		Total Organic Carbon	59000	=	mg/Kg
CFBC	CFBC-01C	3	10/12/07 16:00		GRAVEL	0	=	%
CFBC	CFBC-01C	3	10/12/07 16:00		COARSE SAND	0.1	=	%
CFBC	CFBC-01C	3	10/12/07 16:00		MEDIUM SAND	6	=	%
CFBC	CFBC-01C	3	10/12/07 16:00		FINE SAND	39.4	=	%
CFBC	CFBC-01C	3	10/12/07 16:00		SILT	43.3	=	%
CFBC	CFBC-01C	3	10/12/07 16:00		CLAY	11.1	=	%
CFBC	CFBC-01C	3	06/19/08 15:00		Total Organic Carbon	51000	=	mg/Kg
CFBC	CFBC-01C	3	06/19/08 15:00		GRAVEL	0	=	%
CFBC	CFBC-01C	3	06/19/08 15:00		COARSE SAND	0	=	%
CFBC	CFBC-01C	3	06/19/08 15:00		MEDIUM SAND	0	=	%
CFBC	CFBC-01C	3	06/19/08 15:00		FINE SAND	35.5	=	%
CFBC	CFBC-01C	3	06/19/08 15:00		SILT	35	=	%
CFBC	CFBC-01C	3	06/19/08 15:00		CLAY	29.5	=	%

A-1 Cross Florida Barge Canal Sediment Data

Site	Station	Replicate	Date	Note	Parameter	Value	Qualifier	Units
CFBC	CFBC-02A	1	10/12/07 13:50		Total Organic Carbon	54000	=	mg/Kg
CFBC	CFBC-02A	1	10/12/07 13:50		GRAVEL	0	=	%
CFBC	CFBC-02A	1	10/12/07 13:50		COARSE SAND	0.1	=	%
CFBC	CFBC-02A	1	10/12/07 13:50		MEDIUM SAND	5.3	=	%
CFBC	CFBC-02A	1	10/12/07 13:50		FINE SAND	0.9	=	%
CFBC	CFBC-02A	1	10/12/07 13:50		SILT	71.9	=	%
CFBC	CFBC-02A	1	10/12/07 13:50		CLAY	21.9	=	%
CFBC	CFBC-02A	1	06/19/08 15:30		Total Organic Carbon	45000	=	mg/Kg
CFBC	CFBC-02A	1	06/19/08 15:30		GRAVEL	0	=	%
CFBC	CFBC-02A	1	06/19/08 15:30		COARSE SAND	0.1	=	%
CFBC	CFBC-02A	1	06/19/08 15:30		MEDIUM SAND	0	=	%
CFBC	CFBC-02A	1	06/19/08 15:30		FINE SAND	1.5	=	%
CFBC	CFBC-02A	1	06/19/08 15:30		SILT	51.3	=	%
CFBC	CFBC-02A	1	06/19/08 15:30		CLAY	47.1	=	%
CFBC	CFBC-02B	2	10/12/07 14:12		Total Organic Carbon	39000	=	mg/Kg
CFBC	CFBC-02B	2	10/12/07 14:12		GRAVEL	0	=	%
CFBC	CFBC-02B	2	10/12/07 14:12		COARSE SAND	0.2	=	%
CFBC	CFBC-02B	2	10/12/07 14:12		MEDIUM SAND	13.6	=	%
CFBC	CFBC-02B	2	10/12/07 14:12		FINE SAND	2.7	=	%
CFBC	CFBC-02B	2	10/12/07 14:12		SILT	58	=	%
CFBC	CFBC-02B	2	10/12/07 14:12		CLAY	25.6	=	%
CFBC	CFBC-02B	2	06/19/08 15:50		Total Organic Carbon	44000	=	mg/Kg
CFBC	CFBC-02B	2	06/19/08 15:50		GRAVEL	0	=	%
CFBC	CFBC-02B	2	06/19/08 15:50		COARSE SAND	0	=	%
CFBC	CFBC-02B	2	06/19/08 15:50		MEDIUM SAND	0.1	=	%
CFBC	CFBC-02B	2	06/19/08 15:50		FINE SAND	1.6	=	%
CFBC	CFBC-02B	2	06/19/08 15:50		SILT	54.5	=	%
CFBC	CFBC-02B	2	06/19/08 15:50		CLAY	43.8	=	%
CFBC	CFBC-02B	2	06/19/08 15:50	Field Dup	Total Organic Carbon	40000	=	mg/Kg
CFBC	CFBC-02B	2	06/19/08 15:50	Field Dup	GRAVEL	0.4	=	%
CFBC	CFBC-02B	2	06/19/08 15:50	Field Dup	COARSE SAND	0.1	=	%
CFBC	CFBC-02B	2	06/19/08 15:50	Field Dup	MEDIUM SAND	4.2	=	%
CFBC	CFBC-02B	2	06/19/08 15:50	Field Dup	FINE SAND	7.5	=	%
CFBC	CFBC-02B	2	06/19/08 15:50	Field Dup	SILT	60.7	=	%
CFBC	CFBC-02B	2	06/19/08 15:50	Field Dup	CLAY	27.1	=	%
CFBC	CFBC-02C	3	10/12/07 14:30		Total Organic Carbon	64000	=	mg/Kg
CFBC	CFBC-02C	3	10/12/07 14:30		GRAVEL	0	=	%
CFBC	CFBC-02C	3	10/12/07 14:30		COARSE SAND	0.2	=	%
CFBC	CFBC-02C	3	10/12/07 14:30		MEDIUM SAND	4.1	=	%
CFBC	CFBC-02C	3	10/12/07 14:30		FINE SAND	2.4	=	%
CFBC	CFBC-02C	3	10/12/07 14:30		SILT	77	=	%
CFBC	CFBC-02C	3	10/12/07 14:30		CLAY	16.3	=	%
CFBC	CFBC-02C	3	06/19/08 15:15		Total Organic Carbon	55000	=	mg/Kg
CFBC	CFBC-02C	3	06/19/08 15:15		GRAVEL	1.2	=	%
CFBC	CFBC-02C	3	06/19/08 15:15		COARSE SAND	0.1	=	%
CFBC	CFBC-02C	3	06/19/08 15:15		MEDIUM SAND	0	=	%
CFBC	CFBC-02C	3	06/19/08 15:15		FINE SAND	0.5	=	%
CFBC	CFBC-02C	3	06/19/08 15:15		SILT	51.3	=	%
CFBC	CFBC-02C	3	06/19/08 15:15		CLAY	46.9	=	%

A-1 Cross Florida Barge Canal Sediment Data

Site	Station	Replicate	Date	Note	Parameter	Value	Qualifier	Units
CFBC	CFBC-03A	1	10/12/07 12:35		Total Organic Carbon	38000	=	mg/Kg
CFBC	CFBC-03A	1	10/12/07 12:35		GRAVEL	0.6	=	%
CFBC	CFBC-03A	1	10/12/07 12:35		COARSE SAND	0.1	=	%
CFBC	CFBC-03A	1	10/12/07 12:35		MEDIUM SAND	7	=	%
CFBC	CFBC-03A	1	10/12/07 12:35		FINE SAND	16	=	%
CFBC	CFBC-03A	1	10/12/07 12:35		SILT	57.6	=	%
CFBC	CFBC-03A	1	10/12/07 12:35		CLAY	18.7	=	%
CFBC	CFBC-03A	1	10/12/07 12:35	Field Dup	Total Organic Carbon	48000	=	mg/Kg
CFBC	CFBC-03A	1	06/19/08 16:55		Total Organic Carbon	46000	=	mg/Kg
CFBC	CFBC-03A	1	06/19/08 16:55		GRAVEL	0	=	%
CFBC	CFBC-03A	1	06/19/08 16:55		COARSE SAND	0	=	%
CFBC	CFBC-03A	1	06/19/08 16:55		MEDIUM SAND	0	=	%
CFBC	CFBC-03A	1	06/19/08 16:55		FINE SAND	4.8	=	%
CFBC	CFBC-03A	1	06/19/08 16:55		SILT	49.6	=	%
CFBC	CFBC-03A	1	06/19/08 16:55		CLAY	45.6	=	%
CFBC	CFBC-03B	2	10/12/07 13:00		Total Organic Carbon	59000	=	mg/Kg
CFBC	CFBC-03B	2	10/12/07 13:00		GRAVEL	0	=	%
CFBC	CFBC-03B	2	10/12/07 13:00		COARSE SAND	0.1	=	%
CFBC	CFBC-03B	2	10/12/07 13:00		MEDIUM SAND	7.9	=	%
CFBC	CFBC-03B	2	10/12/07 13:00		FINE SAND	11.3	=	%
CFBC	CFBC-03B	2	10/12/07 13:00		SILT	62.9	=	%
CFBC	CFBC-03B	2	10/12/07 13:00		CLAY	17.8	=	%
CFBC	CFBC-03B	2	06/19/08 17:15		Total Organic Carbon	41000	=	mg/Kg
CFBC	CFBC-03B	2	06/19/08 17:15		GRAVEL	0	=	%
CFBC	CFBC-03B	2	06/19/08 17:15		COARSE SAND	1	=	%
CFBC	CFBC-03B	2	06/19/08 17:15		MEDIUM SAND	0.6	=	%
CFBC	CFBC-03B	2	06/19/08 17:15		FINE SAND	12.3	=	%
CFBC	CFBC-03B	2	06/19/08 17:15		SILT	47.9	=	%
CFBC	CFBC-03B	2	06/19/08 17:15		CLAY	38.3	=	%
CFBC	CFBC-03C	3	10/12/07 13:20		Total Organic Carbon	50000	=	mg/Kg
CFBC	CFBC-03C	3	10/12/07 13:20		GRAVEL	0	=	%
CFBC	CFBC-03C	3	10/12/07 13:20		COARSE SAND	0.1	=	%
CFBC	CFBC-03C	3	10/12/07 13:20		MEDIUM SAND	6.7	=	%
CFBC	CFBC-03C	3	10/12/07 13:20		FINE SAND	19.4	=	%
CFBC	CFBC-03C	3	10/12/07 13:20		SILT	57.1	=	%
CFBC	CFBC-03C	3	10/12/07 13:20		CLAY	16.6	=	%
CFBC	CFBC-03C	3	06/19/08 17:45		Total Organic Carbon	35000	=	mg/Kg
CFBC	CFBC-03C	3	06/19/08 17:45		GRAVEL	0	=	%
CFBC	CFBC-03C	3	06/19/08 17:45		COARSE SAND	0.3	=	%
CFBC	CFBC-03C	3	06/19/08 17:45		MEDIUM SAND	0.9	=	%
CFBC	CFBC-03C	3	06/19/08 17:45		FINE SAND	18.3	=	%
CFBC	CFBC-03C	3	06/19/08 17:45		SILT	42.6	=	%
CFBC	CFBC-03C	3	06/19/08 17:45		CLAY	38	=	%
CFBC	CFBC-04A	1	10/12/07 10:58		Total Organic Carbon	4100	=	mg/Kg
CFBC	CFBC-04A	1	10/12/07 10:58		GRAVEL	1.6	=	%
CFBC	CFBC-04A	1	10/12/07 10:58		COARSE SAND	0.7	=	%
CFBC	CFBC-04A	1	10/12/07 10:58		MEDIUM SAND	1.3	=	%
CFBC	CFBC-04A	1	10/12/07 10:58		FINE SAND	91.2	=	%
CFBC	CFBC-04A	1	10/12/07 10:58		SILT	3.6	=	%
CFBC	CFBC-04A	1	10/12/07 10:58		CLAY	1.6	=	%

A-1 Cross Florida Barge Canal Sediment Data

Site	Station	Replicate	Date	Note	Parameter	Value	Qualifier	Units
CFBC	CFBC-04A	1	06/20/08 09:45		Total Organic Carbon	1700	=	mg/Kg
CFBC	CFBC-04A	1	06/20/08 09:45		GRAVEL	2.7	=	%
CFBC	CFBC-04A	1	06/20/08 09:45		COARSE SAND	1.5	=	%
CFBC	CFBC-04A	1	06/20/08 09:45		MEDIUM SAND	2.5	=	%
CFBC	CFBC-04A	1	06/20/08 09:45		FINE SAND	86.7	=	%
CFBC	CFBC-04A	1	06/20/08 09:45		SILT	1.3	=	%
CFBC	CFBC-04A	1	06/20/08 09:45		CLAY	5.4	=	%
CFBC	CFBC-04B	2	10/12/07 10:30		Total Organic Carbon	7300	=	mg/Kg
CFBC	CFBC-04B	2	10/12/07 10:30		GRAVEL	0	=	%
CFBC	CFBC-04B	2	10/12/07 10:30		COARSE SAND	0.2	=	%
CFBC	CFBC-04B	2	10/12/07 10:30		MEDIUM SAND	5.1	=	%
CFBC	CFBC-04B	2	10/12/07 10:30		FINE SAND	81.6	=	%
CFBC	CFBC-04B	2	10/12/07 10:30		SILT	6.3	=	%
CFBC	CFBC-04B	2	10/12/07 10:30		CLAY	6.7	=	%
CFBC	CFBC-04B	2	06/20/08 10:30		Total Organic Carbon	7000	=	mg/Kg
CFBC	CFBC-04B	2	06/20/08 10:30		GRAVEL	0.1	=	%
CFBC	CFBC-04B	2	06/20/08 10:30		COARSE SAND	0.2	=	%
CFBC	CFBC-04B	2	06/20/08 10:30		MEDIUM SAND	2.2	=	%
CFBC	CFBC-04B	2	06/20/08 10:30		FINE SAND	84.2	=	%
CFBC	CFBC-04B	2	06/20/08 10:30		SILT	4.9	=	%
CFBC	CFBC-04B	2	06/20/08 10:30		CLAY	8.4	=	%
CFBC	CFBC-04C	3	10/12/07 11:24		Total Organic Carbon	18000	=	mg/Kg
CFBC	CFBC-04C	3	10/12/07 11:24		GRAVEL	3	=	%
CFBC	CFBC-04C	3	10/12/07 11:24		COARSE SAND	1	=	%
CFBC	CFBC-04C	3	10/12/07 11:24		MEDIUM SAND	2.9	=	%
CFBC	CFBC-04C	3	10/12/07 11:24		FINE SAND	70	=	%
CFBC	CFBC-04C	3	10/12/07 11:24		SILT	11.5	=	%
CFBC	CFBC-04C	3	10/12/07 11:24		CLAY	11.7	=	%
CFBC	CFBC-04C	3	06/20/08 11:00		Total Organic Carbon	6400	=	mg/Kg
CFBC	CFBC-04C	3	06/20/08 11:00		GRAVEL	0.4	=	%
CFBC	CFBC-04C	3	06/20/08 11:00		COARSE SAND	0.2	=	%
CFBC	CFBC-04C	3	06/20/08 11:00		MEDIUM SAND	2.5	=	%
CFBC	CFBC-04C	3	06/20/08 11:00		FINE SAND	84.2	=	%
CFBC	CFBC-04C	3	06/20/08 11:00		SILT	3.6	=	%
CFBC	CFBC-04C	3	06/20/08 11:00		CLAY	9.1	=	%
CFBC	CFBC-05A	1	10/11/07 16:25		Total Organic Carbon	3100	=	mg/Kg
CFBC	CFBC-05A	1	10/11/07 16:25		GRAVEL	19.2	=	%
CFBC	CFBC-05A	1	10/11/07 16:25		COARSE SAND	14.2	=	%
CFBC	CFBC-05A	1	10/11/07 16:25		MEDIUM SAND	18.5	=	%
CFBC	CFBC-05A	1	10/11/07 16:25		FINE SAND	43.6	=	%
CFBC	CFBC-05A	1	10/11/07 16:25		SILT	1.7	=	%
CFBC	CFBC-05A	1	10/11/07 16:25		CLAY	2.8	=	%
CFBC	CFBC-05B	2	10/11/07 16:50		Total Organic Carbon	4800	=	mg/Kg
CFBC	CFBC-05B	2	10/11/07 16:50		GRAVEL	3.3	=	%
CFBC	CFBC-05B	2	10/11/07 16:50		COARSE SAND	8	=	%
CFBC	CFBC-05B	2	10/11/07 16:50		MEDIUM SAND	9.3	=	%
CFBC	CFBC-05B	2	10/11/07 16:50		FINE SAND	73.9	=	%
CFBC	CFBC-05B	2	10/11/07 16:50		SILT	1.4	=	%
CFBC	CFBC-05B	2	10/11/07 16:50		CLAY	4.1	=	%

A-1 Cross Florida Barge Canal Sediment Data

Site	Station	Replicate	Date	Note	Parameter	Value	Qualifier	Units
CFBC	CFBC-05C	3	10/11/07 17:15		Total Organic Carbon	3200	=	mg/Kg
CFBC	CFBC-05C	3	10/11/07 17:15	Field Dup	Total Organic Carbon	3200	=	mg/Kg
CFBC	CFBC-05C	3	10/11/07 17:15		GRAVEL	14.3	=	%
CFBC	CFBC-05C	3	10/11/07 17:15		COARSE SAND	11.3	=	%
CFBC	CFBC-05C	3	10/11/07 17:15		MEDIUM SAND	24.4	=	%
CFBC	CFBC-05C	3	10/11/07 17:15		FINE SAND	44.6	=	%
CFBC	CFBC-05C	3	10/11/07 17:15		SILT	2	=	%
CFBC	CFBC-05C	3	10/11/07 17:15		CLAY	3.4	=	%
CFBC	CFBC-06A	1	10/11/07 15:15		Total Organic Carbon	3700	=	mg/Kg
CFBC	CFBC-06A	1	10/11/07 15:15		GRAVEL	0.5	=	%
CFBC	CFBC-06A	1	10/11/07 15:15		COARSE SAND	2.2	=	%
CFBC	CFBC-06A	1	10/11/07 15:15		MEDIUM SAND	33.2	=	%
CFBC	CFBC-06A	1	10/11/07 15:15		FINE SAND	55.6	=	%
CFBC	CFBC-06A	1	10/11/07 15:15		SILT	4.3	=	%
CFBC	CFBC-06A	1	10/11/07 15:15		CLAY	4.2	=	%
CFBC	CFBC-06B	2	10/11/07 15:28		Total Organic Carbon	4500	=	mg/Kg
CFBC	CFBC-06B	2	10/11/07 15:28		GRAVEL	6.1	=	%
CFBC	CFBC-06B	2	10/11/07 15:28		COARSE SAND	16	=	%
CFBC	CFBC-06B	2	10/11/07 15:28		MEDIUM SAND	29.3	=	%
CFBC	CFBC-06B	2	10/11/07 15:28		FINE SAND	43.9	=	%
CFBC	CFBC-06B	2	10/11/07 15:28		SILT	2.3	=	%
CFBC	CFBC-06B	2	10/11/07 15:28		CLAY	2.5	=	%
CFBC	CFBC-06C	3	10/11/07 15:49		Total Organic Carbon	5500	=	mg/Kg
CFBC	CFBC-06C	3	10/11/07 15:49		GRAVEL	0.1	=	%
CFBC	CFBC-06C	3	10/11/07 15:49		COARSE SAND	0.8	=	%
CFBC	CFBC-06C	3	10/11/07 15:49		MEDIUM SAND	18.6	=	%
CFBC	CFBC-06C	3	10/11/07 15:49		FINE SAND	72.7	=	%
CFBC	CFBC-06C	3	10/11/07 15:49		SILT	2.2	=	%
CFBC	CFBC-06C	3	10/11/07 15:49		CLAY	5.6	=	%
CFBC	CFBC-07A	1	10/11/07 12:35		Total Organic Carbon	4500	=	mg/Kg
CFBC	CFBC-07A	1	10/11/07 12:35		GRAVEL	9.3	=	%
CFBC	CFBC-07A	1	10/11/07 12:35		COARSE SAND	27.4	=	%
CFBC	CFBC-07A	1	10/11/07 12:35		MEDIUM SAND	26.5	=	%
CFBC	CFBC-07A	1	10/11/07 12:35		FINE SAND	32.2	=	%
CFBC	CFBC-07A	1	10/11/07 12:35		SILT	1.8	=	%
CFBC	CFBC-07A	1	10/11/07 12:35		CLAY	2.8	=	%
CFBC	CFBC-07B	2	10/11/07 14:05		Total Organic Carbon	5400	=	mg/Kg
CFBC	CFBC-07B	2	10/11/07 14:05		GRAVEL	5.9	=	%
CFBC	CFBC-07B	2	10/11/07 14:05		COARSE SAND	22.9	=	%
CFBC	CFBC-07B	2	10/11/07 14:05		MEDIUM SAND	32.7	=	%
CFBC	CFBC-07B	2	10/11/07 14:05		FINE SAND	34.1	=	%
CFBC	CFBC-07B	2	10/11/07 14:05		SILT	2.4	=	%
CFBC	CFBC-07B	2	10/11/07 14:05		CLAY	2	=	%
CFBC	CFBC-07C	3	10/11/07 14:35		Total Organic Carbon	3700	J	mg/Kg
CFBC	CFBC-07C	3	10/11/07 14:35		GRAVEL	43.7	=	%
CFBC	CFBC-07C	3	10/11/07 14:35		COARSE SAND	9.2	=	%
CFBC	CFBC-07C	3	10/11/07 14:35		MEDIUM SAND	15.7	=	%
CFBC	CFBC-07C	3	10/11/07 14:35		FINE SAND	27	=	%
CFBC	CFBC-07C	3	10/11/07 14:35		SILT	1.4	=	%
CFBC	CFBC-07C	3	10/11/07 14:35		CLAY	3	=	%

A-2

CFBC Surface Water Field Parameter Data

A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-01

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
1	CFBC	10/16/2007	15:45	0.15	27.33	3.95	56.1	29.88	18.43	7.87	1.23	4.7
1	CFBC	10/16/2007	15:46	1.00	27.21	4.14	58.2	32.10	20.03	7.81		
1	CFBC	10/16/2007	15:47	2.00	26.09	2.44	33.7	36.04	22.70	7.49		
1	CFBC	10/16/2007	15:48	3.00	26.09	2.25	31.5	36.66	23.15	7.51		
1	CFBC	10/16/2007	15:50	4.00	25.85	1.94	27.1	38.90	24.71	7.52		
1	CFBC	10/18/2007	17:30	0.15	28.36	6.33	85.7	16.29	9.50	7.72		4.4
1	CFBC	10/18/2007	17:32	2.10	25.81	3.26	48.7	40.77	26.03	7.41		
1	CFBC	10/18/2007	17:33	4.30	25.63	2.15	31.0	45.03	29.19	7.43		
1	CFBC	10/19/2007	4:12	0.15	26.63	6.48	84.6	14.73	8.51	7.68		4.6
1	CFBC	10/19/2007	4:16	2.10	25.65	2.07		40.98	26.20	7.35		
1	CFBC	10/19/2007	4:17	4.30	25.67	1.87		45.86	29.70	7.47		
1	CFBC	11/15/2007	15:05	0.15	21.16	10.87	127.1	12.80	7.37	8.09	1.11	4.6
1	CFBC	11/15/2007	15:07	1.00	21.31	10.48	123.8	13.42	7.76	8.09		
1	CFBC	11/15/2007	15:08	2.00	21.17	10.37	122.2	13.73	7.95	8.08		
1	CFBC	11/15/2007	15:09	3.00	20.20	5.09	63.6	33.43	21.00	7.55		
1	CFBC	11/15/2007	15:10	4.00	20.17	4.00	50.5	34.72	21.88	7.55		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-01
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
1	CFBC	11/19/2007	15:31	0.15	21.21	5.39	68.4	32.66	20.45	8.12	0.94	3.9
1	CFBC	11/19/2007	15:32	1.00	19.68	6.67	84.2	38.10	24.25	8.17		
1	CFBC	11/19/2007	15:33	2.00	18.49	3.46	43.4	42.18	27.15	7.84		
1	CFBC	11/19/2007	15:33	3.00	18.43	2.99	37.7	43.13	27.83	7.84		
1	CFBC	12/5/2007	10:31	0.15	14.96	8.80	88.2	3.71	1.97	7.90	1.55	4.1
1	CFBC	12/5/2007	10:31	1.00	20.59	7.39	87.1	16.58	9.75	7.44		
1	CFBC	12/5/2007	10:31	2.00	21.25	4.30	53.6	27.98	17.25	7.29		
1	CFBC	12/5/2007	10:32	3.00	21.37	1.74	21.8	29.11	18.02	7.26		
1	CFBC	12/7/2007	9:33	0.15	15.56	8.99	92.4	7.07	3.91	6.74		
1	CFBC	12/7/2007	9:34	1.00	20.57	3.42	41.0	21.17	12.72	6.63		
1	CFBC	12/7/2007	9:34	2.00	20.76	1.75	21.6	27.36	16.84	6.82		
1	CFBC	12/7/2007	9:35	3.00	20.34	1.96	24.2	29.71	18.43	7.05		
1	CFBC	12/7/2007	19:48	0.15	20.04	7.81	87.5	5.72	3.11	8.22		
1	CFBC	12/7/2007	19:48	1.00	20.28	6.13	69.9	9.34	5.25	8.03		
1	CFBC	12/7/2007	19:49	2.00	20.68	5.80	68.1	15.28	8.93	7.85		
1	CFBC	12/7/2007	19:49	3.00	20.81	5.08	62.4	26.55	16.29	7.60		
1	CFBC	12/7/2007	19:49	4.00	20.95	2.45	30.3	27.00	16.59	7.38		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-01
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
1	CFBC	12/12/2007	15:07	0.15	22.26	10.11	123.4	17.68	10.45	8.15	1.07	5.0
1	CFBC	12/12/2007	15:07	1.00	21.75	10.05	123.5	21.94	13.22	8.21		
1	CFBC	12/12/2007	15:08	2.00	20.94	10.79	132.8	26.24	16.09	7.99		
1	CFBC	12/12/2007	15:08	3.00	20.74	5.57	68.6	27.19	16.72	7.70		
1	CFBC	12/12/2007	15:08	4.00	20.62	4.14	51.1	28.20	17.41	7.62		
1	CFBC	4/11/2008	13:30	0.15	25.22	6.02	75.8	12.34	7.00	7.60		4.7
1	CFBC	4/11/2008	13:30	1.00	23.31	6.53	83.3	21.21	12.77	7.60		
1	CFBC	4/11/2008	13:30	2.00	23.32	3.30	43.6	25.93	15.87	7.36		
1	CFBC	4/11/2008	13:30	3.00	23.35	2.52	32.6	27.62	16.98	7.39		
1	CFBC	4/11/2008	13:30	4.00	23.41	2.57	33.4	29.82	18.49	7.45		
1	CFBC	4/12/2008	6:40	0.15	23.05	4.54	54.1	7.13	3.92	7.72		4.3
1	CFBC	4/12/2008	6:40	1.00	24.91	4.97	63.2	15.54	9.09	7.64		
1	CFBC	4/12/2008	6:40	2.00	23.55	2.98	41.3	27.01	16.59	7.42		
1	CFBC	4/12/2008	6:40	3.00	23.63	2.44	31.8	30.05	18.66	7.51		
1	CFBC	4/12/2008	6:40	3.90	23.74	2.26	30.3	32.65	20.41	7.56		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-01
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
1	CFBC	4/21/2008	10:27	0.15	22.98	6.03	71.0	8.72	4.85	7.49		4.6
1	CFBC	4/21/2008	10:27	1.00	23.34	5.17	61.5	13.84	8.09	7.45		
1	CFBC	4/21/2008	10:27	2.00	22.72	2.98	36.9	19.95	11.89	7.21		
1	CFBC	4/21/2008	10:27	3.00	22.01	1.00	13.7	22.90	13.86	7.02		
1	CFBC	4/21/2008	10:27	4.00	22.03	0.47	5.2	24.78	15.13	7.02		
1	CFBC	4/22/2008	1:10	0.15	22.31	4.92	57.6	5.62	3.04	7.91		4.7
1	CFBC	4/22/2008	1:10	1.00	23.48	4.16	50.3	7.43	4.10	7.73		
1	CFBC	4/22/2008	1:10	2.00	22.36	1.75	22.8	19.29	11.55	7.18		
1	CFBC	4/22/2008	1:10	3.00	22.43	0.72	9.3	22.22	13.41	7.17		
1	CFBC	4/22/2008	1:10	4.00	22.29	0.36	5.1	23.27	14.09	7.15		
1	CFBC	5/7/2008	16:47	0.15	27.85	8.96	118.6	14.72	8.51	8.04		5.7
1	CFBC	5/7/2008	16:47	1.00	26.00	9.98	128.6	15.41	8.95	8.03		
1	CFBC	5/7/2008	16:47	2.00	25.60	8.64	113.6	17.14	10.08	7.85		
1	CFBC	5/7/2008	16:47	3.00	25.56	7.13	95.6	18.04	10.65	7.61		
1	CFBC	5/7/2008	16:47	4.00	24.86	4.20	57.3	19.32	11.50	7.35		
1	CFBC	5/8/2008	1:15	0.15	25.34	6.41	82.4	8.54	4.89	8.11		4.0
1	CFBC	5/8/2008	1:15	1.00	26.37	6.41	83.5	15.41	8.97	7.85		
1	CFBC	5/8/2008	1:15	2.00	25.57	5.15	66.7	17.72	10.44	7.60		
1	CFBC	5/8/2008	1:15	3.00	25.06	2.47	35.8	18.90	11.22	7.35		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-01
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
1	CFBC	5/22/2008	15:15	0.15	26.37	9.02	112.5	4.00	2.11	7.80		
1	CFBC	5/22/2008	15:15	1.00	26.37	8.53	108.2	4.41	2.34	7.73		
1	CFBC	5/22/2008	15:15	2.00	26.37	8.31	104.6	5.08	2.72	7.67		
1	CFBC	5/22/2008	15:15	3.00	26.33	5.34	66.9	14.60	8.45	7.32		
1	CFBC	5/22/2008	15:15	3.70	25.37	2.84	41.0	19.29	11.46	7.04		
1	CFBC	5/23/2008	2:37	0.15	25.75	7.32	91.4	4.04	2.13	7.69		4.9
1	CFBC	5/23/2008	2:37	1.00	25.61	4.32	61.3	10.68	6.15	7.15		
1	CFBC	5/23/2008	2:37	2.00	25.66	2.38	32.0	14.99	8.74	7.03		
1	CFBC	5/23/2008	2:37	3.00	24.98	1.56	20.3	18.31	10.77	6.95		
1	CFBC	5/23/2008	2:37	4.00	25.01	1.56	19.9	19.35	11.50	6.94		
1	CFBC	6/4/2008	14:07	0.15	30.08	9.54	128.1	7.23	4.00	8.07		4.5
1	CFBC	6/4/2008	14:08	1.00	29.69	10.55	142.6	8.02	4.41	8.12		
1	CFBC	6/4/2008	14:08	2.00	28.65	4.82	69.0	15.95	9.36	7.49		
1	CFBC	6/4/2008	14:09	3.00	28.72	3.98	53.4	16.50	9.61	7.37		
1	CFBC	6/4/2008	14:10	4.00	27.87	0.73	10.1	17.88	10.50	7.12		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-01
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
1	CFBC	6/5/2008	2:08	0.15	29.13	7.61	100.5	6.12	3.31	7.88		4.5
1	CFBC	6/5/2008	2:10	1.00	29.62	10.39	136.2	7.85	4.31	8.16		
1	CFBC	6/5/2008	2:12	2.00	28.15	3.77	50.5	13.19	7.46	7.46		
1	CFBC	6/5/2008	2:13	3.00	27.65	2.22	30.6	16.93	9.93	7.22		
1	CFBC	6/5/2008	2:14	4.00	27.23	1.88	25.1	18.22	10.74	7.09		
1	CFBC	6/20/2008	13:36	0.15	30.28	9.80	134.3	7.80	4.27	8.33		4.9
1	CFBC	6/20/2008	13:37	1.00	30.15	10.22	142.5	15.06	8.87	8.21		
1	CFBC	6/20/2008	13:38	2.00	29.92	5.95	97.0	23.49	14.16	7.70		
1	CFBC	6/20/2008	13:40	3.00	29.65	3.07	49.7	25.53	15.69	7.45		
1	CFBC	6/20/2008	13:41	4.00	28.84	1.34	20.8	28.68	17.62	7.27		
1	CFBC	6/20/2008	22:50	0.15	30.84	11.56	159.5	9.17	5.09	8.63		4.1
1	CFBC	6/20/2008	22:51	1.00	29.15	4.77	75.0	22.99	13.92	7.72		
1	CFBC	6/20/2008	22:52	2.00	28.38	1.22	17.2	26.26	15.95	7.27		
1	CFBC	6/20/2008	22:52	3.00	28.64	0.86	12.1	28.02	17.14	7.19		
1	CFBC	6/25/2008	12:37	0.15	30.37	9.39	128.5	6.15	3.32	8.09	1.33	4.7
1	CFBC	6/25/2008	12:38	1.00	29.07	5.66	80.7	18.74	11.05	7.41		
1	CFBC	6/25/2008	12:39	2.00	28.63	1.80	26.3	21.87	13.09	7.15		
1	CFBC	6/25/2008	12:40	3.00	28.85	1.16	16.2	23.18	13.94	7.07		
1	CFBC	6/25/2008	12:41	4.00	29.06	0.97	14.0	25.59	15.53	7.07		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-01
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
1	CFBC	7/21/2008	11:45	0.15	31.57	7.59	105.8	8.21	4.51	8.46		
1	CFBC	7/21/2008	11:51	1.00	31.14	7.24	101.9	11.70	6.60	8.31		
1	CFBC	7/21/2008	11:51	2.00	30.38	3.94	55.5	20.94	12.44	7.75		
1	CFBC	7/21/2008	11:51	3.00	28.74	1.90	25.1	25.54	15.51	7.47		
1	CFBC	7/21/2008	11:51	4.00	28.91	0.84	12.0	27.23	16.62	7.36		
1	CFBC	7/22/2008	4:37	0.15	30.05	6.25	83.8	6.08	3.28	8.57		
1	CFBC	7/22/2008	4:37	1.00	31.67	7.38	104.6	8.53	4.70	8.57		
1	CFBC	7/22/2008	4:37	2.00	31.02	6.70	94.9	16.13	9.34	8.19		
1	CFBC	7/22/2008	4:37	3.00	29.97	2.47	33.9	22.96	13.78	7.82		
1	CFBC	7/22/2008	4:37	4.00	28.86	1.35	19.0	24.29	14.65	7.62		
1	CFBC	8/6/2008	17:58	0.15	30.66	8.13	108.8	1.81	0.91	8.14		4.7
1	CFBC	8/6/2008	17:58	1.00	30.32	8.05	107.6	1.86	0.93	8.17		
1	CFBC	8/6/2008	17:58	2.00	30.33	9.58	129.2	2.88	1.50	8.36		
1	CFBC	8/6/2008	17:58	3.00	27.17	1.61	20.7	20.53	12.21	7.07		
1	CFBC	8/6/2008	17:58	4.00	27.28	1.10	14.7	21.87	13.10	7.07		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-01
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
1	CFBC	8/7/2008	3:22	0.15	30.22	7.91	103.3	2.09	1.05	8.19		4.4
1	CFBC	8/7/2008	3:22	1.00	30.19	7.41	98.7	2.38	1.21	8.13		
1	CFBC	8/7/2008	3:22	2.00	27.31	1.98	26.2	18.86	11.16	7.17		
1	CFBC	8/7/2008	3:22	3.00	27.86	1.14	15.8	23.34	14.06	7.14		
1	CFBC	8/7/2008	3:22	4.00	28.02	1.04	16.5	24.68	14.95	7.16		
1	CFBC	8/27/2008	13:27	0.15	29.40	9.82	129.8	0.94	0.46	8.31	1.46	
1	CFBC	8/27/2008	13:27	1.00	29.19	10.11	132.4	1.00	0.49	8.31		
1	CFBC	8/27/2008	13:27	2.00	27.95	9.84	125.6	1.00	0.49	8.21		
1	CFBC	8/27/2008	13:27	3.00	27.14	8.99	113.1	0.82	0.40	8.00		
1	CFBC	8/27/2008	13:27	4.00	26.67	6.43	82.2	6.73	3.65	7.41		
1	CFBC	9/3/2008	16:10	0.15	29.97	8.89	118.8	3.79	1.98	7.77		5.2
1	CFBC	9/3/2008	16:10	1.00	29.76	8.73	116.0	4.06	2.13	7.70		
1	CFBC	9/3/2008	16:10	2.00	28.57	7.73	101.2	6.20	3.24	7.55		
1	CFBC	9/3/2008	16:10	3.00	27.82	2.62	34.2	25.59	15.52	7.04		
1	CFBC	9/3/2008	16:10	4.00	27.83	1.66	23.3	29.06	17.89	7.03		
1	CFBC	9/3/2008	16:10	4.60	27.85	1.19	16.5	29.82	18.40	7.07		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-01
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
1	CFBC	9/4/2008	3:40	0.15	27.79	7.90	101.5	3.31	1.71	7.73		4.9
1	CFBC	9/4/2008	3:40	1.00	28.28	7.10	92.1	4.78	2.54	7.57		
1	CFBC	9/4/2008	3:40	2.00	27.64	1.92	26.2	26.54	16.27	7.08		
1	CFBC	9/4/2008	3:40	3.00	27.87	1.21	17.0	29.78	18.49	7.13		
1	CFBC	9/4/2008	3:40	4.00	28.22	1.42	21.0	33.21	20.70	7.24		
1	CFBC	9/4/2008	3:40	5.00	28.27	1.48	21.2	33.99	21.27	7.29		
1	CFBC	9/4/2008	3:40	5.70	28.30	1.43	20.8	34.29	21.45	7.31		
1	CFBC	9/15/2008	23:39	0.15	29.61	7.47	99.2	3.61	1.88	8.00		4.3
1	CFBC	9/15/2008	23:39	1.00	29.72	7.55	100.5	3.61	1.88	7.95		
1	CFBC	9/15/2008	23:39	2.00	28.32	1.60	18.0	26.42	16.08	7.25		
1	CFBC	9/15/2008	23:39	3.00	27.99	0.24	3.3	33.42	20.85	7.21		
1	CFBC	9/15/2008	23:39	4.00	28.04	0.21	3.7	34.23	21.44	7.22		
1	CFBC	10/23/2008	14:35	0.30	23.79	3.59	46.0	36.47	23.06	7.47	1.60	4.2
1	CFBC	10/23/2008	14:35	1.28	23.79	2.67	35.0	36.59	23.14	7.45		
1	CFBC	10/23/2008	14:35	2.26	23.66	1.84	24.6	36.82	23.30	7.44		
1	CFBC	10/23/2008	14:35	3.23	23.44	1.54	21.0	39.46	25.16	7.51		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-01
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
1	CFBC	10/28/2008	12:20	0.15	20.51	8.85	101.0	8.04	4.40	7.55		4.0
1	CFBC	10/28/2008	12:20	1.00	21.98	7.70	90.6	13.76	7.93	7.32		
1	CFBC	10/28/2008	12:20	2.00	23.33	5.50	66.2	26.32	16.09	6.97		
1	CFBC	10/28/2008	12:20	3.00	23.57	6.55	89.8	30.27	18.78	6.95		
1	CFBC	10/29/2008	0:06	0.15	20.02	7.77	87.6	7.79	4.30	7.74		4.0
1	CFBC	10/29/2008	0:06	1.00	20.81	7.50	86.4	9.30	5.23	7.68		
1	CFBC	10/29/2008	0:06	2.00	22.87	4.00	50.2	22.17	13.36	7.08		
1	CFBC	10/29/2008	0:06	3.00	23.33	2.26	28.1	27.09	16.68	6.96		
1	CFBC	11/13/2008	14:40	0.15	19.03	11.59	130.7	12.63	7.27	7.82		4.9
1	CFBC	11/13/2008	14:40	1.00	17.36	13.04	144.8	17.77	10.44	7.83		
1	CFBC	11/13/2008	14:40	2.00	16.87	7.62	86.2	25.66	15.72	7.28		
1	CFBC	11/13/2008	14:40	3.00	16.70	5.35	59.2	28.94	17.92	7.14		
1	CFBC	11/13/2008	14:40	4.00	16.51	4.44	50.3	29.38	18.23	7.15		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-01
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
1	CFBC	11/14/2008	1:00	0.15	18.32	10.19	112.9	11.13	6.35	8.02		5.5
1	CFBC	11/14/2008	1:00	1.00	17.44	11.08	126.3	23.26	14.11	7.98		
1	CFBC	11/14/2008	1:00	2.00	16.59	9.09	100.2	26.77	16.46	7.70		
1	CFBC	11/14/2008	1:00	3.00	16.69	6.44	73.5	28.07	17.36	7.45		
1	CFBC	11/14/2008	1:00	4.00	16.51	5.18	59.1	28.90	17.90	7.43		

Notes:

m = meters

mg/L = milligrams/liter

mS/cm = milli Siemens/centimeter

Cond = conductivity

ppt = parts per thousand

°C = degrees Celsius

Blank = no data

CFBC = Cross Florida Barge Canal

A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-02

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
2	CFBC	10/16/2007	15:22	0.15	27.12	4.94	65.5	15.65	9.21	8.02	1.94	4.0
2	CFBC	10/16/2007	15:23	1.00	27.12	5.41	73.8	22.78	13.72	8.06		
2	CFBC	10/16/2007	15:24	2.00	25.95	3.30	46.6	40.95	26.02	7.78		
2	CFBC	10/16/2007	15:25	3.00	25.32	2.92	41.3	44.27	28.55	7.79		
2	CFBC	10/16/2007	15:26	4.00	25.30	2.81	40.2	44.33	28.61	7.79		
2	CFBC	10/18/2007	18:05	0.15	28.48	7.92	112.0	29.42	18.11	8.03		3.9
2	CFBC	10/18/2007	18:06	1.80	26.11	5.34	77.0	43.02	27.43	7.75		
2	CFBC	10/18/2007	18:08	3.70	25.58	3.38	50.2	47.63	30.99	7.62		
2	CFBC	10/19/2007	5:01	0.15	26.51	5.93	76.5	13.83	7.98	7.54		4.3
2	CFBC	10/19/2007	5:03	1.80	26.13	5.51	79.3	43.01	27.66	7.74		
2	CFBC	10/19/2007	5:05	3.70	25.58	3.72	53.2	48.34	31.50	7.70		
2	CFBC	11/15/2007	13:49	0.15	21.74	11.71	143.8	21.66	13.04	8.03	0.82	3.7
2	CFBC	11/15/2007	13:50	1.00	21.22	8.61	107.6	28.62	17.68	7.96		
2	CFBC	11/15/2007	13:51	2.00	19.85	7.47	94.4	37.74	24.00	7.89		
2	CFBC	11/15/2007	13:57	3.00	19.51	5.58	70.4	38.94	24.84	7.87		
2	CFBC	11/19/2007	14:25	0.15	20.68	6.37	75.1	16.10	9.45	8.12	1.42	3.2
2	CFBC	11/19/2007	14:26	1.00	20.64	5.82	73.9	35.66	22.53	7.95		
2	CFBC	11/19/2007	14:26	2.00	17.92	5.40	68.3	46.82	30.48	8.00		
2	CFBC	11/19/2007	14:26	3.00	17.74	4.52	57.1	47.30	30.83	8.01		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-02
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
2	CFBC	12/5/2007	12:03	0.15	18.28	9.31	102.2	9.74	5.50	7.90	1.49	4.0
2	CFBC	12/5/2007	12:04	1.00	18.94	9.73	115.8	27.52	16.96	7.89		
2	CFBC	12/5/2007	12:04	2.00	19.75	7.58	93.1	31.37	19.57	7.84		
2	CFBC	12/5/2007	12:05	3.00	20.11	5.51	68.4	32.35	20.24	7.75		
2	CFBC	12/5/2007	12:06	4.00	20.12	2.42	30.0	32.09	20.06	7.66		
2	CFBC	12/7/2007	10:41	0.15	19.04	6.92	77.5	11.12	6.34	7.54		
2	CFBC	12/7/2007	10:41	1.00	19.19	6.43	73.0	13.86	8.04	7.59		
2	CFBC	12/7/2007	10:42	2.00	19.71	4.40	53.7	29.85	18.53	7.52		
2	CFBC	12/7/2007	10:42	3.00	19.62	4.19	51.2	30.40	18.91	7.51		
2	CFBC	12/7/2007	20:54	0.15	20.04	6.72	76.0	8.03	4.47	7.91		
2	CFBC	12/7/2007	20:54	1.00	20.26	5.81	66.6	10.69	6.07	7.78		
2	CFBC	12/7/2007	20:55	2.00	20.17	4.34	52.5	25.39	15.52	7.55		
2	CFBC	12/7/2007	20:55	3.00	19.93	4.59	56.1	29.16	18.06	7.54		
2	CFBC	12/7/2007	20:55	4.00	19.99	2.25	27.4	28.77	17.80	7.43		
2	CFBC	12/12/2007	14:12	0.15	21.92	11.51	139.5	17.36	10.25	8.36	0.47	3.9
2	CFBC	12/12/2007	14:12	1.00	21.05	10.50	129.4	25.94	15.88	8.15		
2	CFBC	12/12/2007	14:13	2.00	20.69	7.24	90.5	31.09	19.37	7.90		
2	CFBC	12/12/2007	14:13	3.00	20.64	5.45	68.1	31.44	19.61	7.80		
2	CFBC	12/12/2007	14:14	4.00	20.61	4.65	57.9	30.86	19.21	7.65		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-02
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
2	CFBC	4/11/2008	15:20	0.15	25.68	7.16	91.5	19.02	11.25	7.68		4.2
2	CFBC	4/11/2008	15:20	1.00	24.80	6.62	87.4	25.35	15.70	7.79		
2	CFBC	4/11/2008	15:20	2.00	24.30	5.73	79.9	35.49	22.40	7.87		
2	CFBC	4/11/2008	15:20	2.50	24.01	5.18	69.8	35.97	22.70	7.85		
2	CFBC	4/12/2008	5:00	0.15	23.45	6.58	82.8	11.64	6.62	7.84		3.4
2	CFBC	4/12/2008	5:00	1.00	24.87	6.31	81.0	20.28	12.12	7.78		
2	CFBC	4/12/2008	5:00	2.00	23.94	3.89	52.1	30.87	19.60	7.69		
2	CFBC	4/12/2008	5:00	2.80	23.91	3.73	50.1	34.92	21.94	7.77		
2	CFBC	4/21/2008	12:00	0.15	22.92	5.43	68.2	14.38	8.35	7.54		4.2
2	CFBC	4/21/2008	12:00	1.00	22.72	5.24	65.3	15.93	9.46	7.54		
2	CFBC	4/21/2008	12:00	2.00	22.54	4.62	59.4	26.20	16.05	7.56		
2	CFBC	4/21/2008	12:00	3.00	22.48	4.15	52.9	27.64	17.04	7.58		
2	CFBC	4/21/2008	12:00	4.00	22.43	4.02	51.4	27.87	17.16	7.57		
2	CFBC	4/22/2008	0:09	0.15	23.15	5.45	67.0	14.73	8.57	7.71		3.5
2	CFBC	4/22/2008	0:09	1.00	23.38	4.79	59.8	16.27	9.50	7.66		
2	CFBC	4/22/2008	0:09	2.00	22.99	3.44	44.0	21.29	12.70	7.54		
2	CFBC	4/22/2008	0:09	3.00	22.88	3.12	39.6	22.74	13.75	7.51		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-02
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
2	CFBC	5/7/2008	13:55	0.15	26.32	7.82	102.1	15.61	9.08	8.12		4.6
2	CFBC	5/7/2008	13:55	1.00	25.40	6.71	90.2	22.76	13.76	7.79		
2	CFBC	5/7/2008	13:55	2.00	25.11	5.27	69.8	25.37	15.43	7.68		
2	CFBC	5/7/2008	13:55	3.00	25.03	5.13	68.8	27.43	16.84	7.66		
2	CFBC	5/7/2008	13:55	3.70	25.01	5.23	69.3	27.56	16.92	7.66		
2	CFBC	5/8/2008	0:20	0.15	25.36	5.13	62.3	8.00	4.42	8.11		3.0
2	CFBC	5/8/2008	0:20	1.00	25.44	3.66	47.6	19.32	11.50	7.60		
2	CFBC	5/8/2008	0:20	2.00	25.29	2.73	37.3	22.53	13.56	7.50		
2	CFBC	5/22/2008	14:25	0.15	26.26	9.51	121.9	11.27	6.38	7.74		5.0
2	CFBC	5/22/2008	14:25	1.00	26.25	8.51	113.3	12.05	7.15	7.64		
2	CFBC	5/22/2008	14:25	2.00	26.45	5.89	88.8	22.80	14.00	7.42		
2	CFBC	5/22/2008	14:25	3.00	26.52	5.77	78.3	24.48	14.84	7.42		
2	CFBC	5/23/2008	1:36	0.15	26.12	6.65	84.3	8.26	4.38	7.52		3.8
2	CFBC	5/23/2008	1:36	1.00	26.17	6.31	79.0	8.67	4.82	7.49		
2	CFBC	5/23/2008	1:36	2.00	26.40	4.47	61.8	20.81	20.44	7.27		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-02
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
2	CFBC	6/4/2008	13:14	0.15	30.19	7.25	101.7	17.04	9.95	7.78		1.4
2	CFBC	6/4/2008	13:14	1.00	29.38	6.17	86.3	21.43	12.12	7.68		
2	CFBC	6/4/2008	13:15	2.00	29.48	4.75	69.8	25.66	15.54	7.53		
2	CFBC	6/4/2008	13:15	3.00	29.57	4.03	58.3	27.17	16.59	7.51		
2	CFBC	6/4/2008	13:16	4.00	29.59	3.83	55.2	27.33	16.68	7.51		
2	CFBC	6/5/2008	1:23	0.15	29.10	7.69	105.5	16.12	9.39	7.78		3.6
2	CFBC	6/5/2008	1:23	1.00	29.20	7.57	104.0	16.45	9.61	7.75		
2	CFBC	6/5/2008	1:24	2.00	29.24	7.28	100.5	16.83	9.83	7.73		
2	CFBC	6/5/2008	1:25	3.00	29.28	7.09	99.2	17.10	10.00	7.71		
2	CFBC	6/20/2008	12:53	0.15	30.07	9.36	130.8	15.26	8.84	8.05		4.4
2	CFBC	6/20/2008	12:54	1.00	29.91	7.64	110.7	22.36	13.36	7.84		
2	CFBC	6/20/2008	12:55	2.00	29.93	3.88	56.7	18.23	26.22	7.51		
2	CFBC	6/20/2008	12:57	3.00	29.86	3.66	53.8	30.86	19.06	7.48		
2	CFBC	6/20/2008	12:58	4.00	29.86	3.79	55.9	30.88	19.07	7.50		
2	CFBC	6/20/2008	23:47	0.15	30.44	10.07	139.1	12.24	6.94	8.37		3.2
2	CFBC	6/20/2008	23:48	1.00	30.24	9.16	128.5	14.90	8.50	8.22		
2	CFBC	6/20/2008	23:49	2.00	29.93	4.53	75.3	26.44	16.11	7.58		
2	CFBC	6/20/2008	23:50	3.00	29.90	2.19	33.0	26.57	16.17	7.41		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-02
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
2	CFBC	6/25/2008	11:19	0.15	29.34	7.74	105.1	7.62	4.18	7.92	1.25	3.7
2	CFBC	6/25/2008	11:21	1.00	29.50	7.16	98.6	15.29	8.85	7.77		
2	CFBC	6/25/2008	11:21	2.00	28.69	3.08	46.9	32.49	20.20	7.40		
2	CFBC	6/25/2008	11:22	3.00	28.50	2.73	40.0	36.22	22.79	7.42		
2	CFBC	7/21/2008	14:07	0.15	31.83	9.38	135.7	16.66	9.72	8.66		
2	CFBC	7/21/2008	14:07	1.00	31.40	11.45	165.0	18.48	10.88	8.88		
2	CFBC	7/21/2008	14:07	2.00	30.80	5.07	73.4	26.75	16.36	8.06		
2	CFBC	7/21/2008	14:07	3.00	30.80	3.53	52.1	28.88	17.69	7.90		
2	CFBC	7/21/2008	14:07	4.00	30.78	2.96	43.8	28.94	17.74	7.83		
2	CFBC	7/22/2008	3:36	0.15	30.71	6.98	98.7	17.76	10.39	8.47		
2	CFBC	7/22/2008	3:36	1.00	30.72	6.85	97.6	19.10	11.32	8.37		
2	CFBC	7/22/2008	3:36	2.00	31.18	5.30	78.2	28.16	17.23	8.14		
2	CFBC	7/22/2008	3:36	3.00	30.95	3.28	46.6	31.42	19.42	7.98		
2	CFBC	7/22/2008	3:36	3.60	30.95	2.42	36.1	31.56	19.52	7.91		
2	CFBC	8/6/2008	17:14	0.15	30.42	7.89	107.3	8.13	4.48	7.87		3.5
2	CFBC	8/6/2008	17:14	1.00	30.05	7.47	102.1	11.54	6.51	7.73		
2	CFBC	8/6/2008	17:14	2.00	29.75	4.82	69.4	26.88	16.40	7.45		
2	CFBC	8/6/2008	17:14	3.00	29.00	2.99	42.8	31.57	19.59	7.30		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-02
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
2	CFBC	8/7/2008	2:30	0.15	29.10	6.52	86.4	6.73	3.64	7.75		3.8
2	CFBC	8/7/2008	2:30	1.00	29.28	6.06	81.1	8.01	4.30	7.65		
2	CFBC	8/7/2008	2:30	2.00	29.39	3.81	46.8	29.32	18.18	7.43		
2	CFBC	8/7/2008	2:30	3.00	29.20	2.72	38.5	32.01	19.87	7.40		
2	CFBC	8/27/2008	13:52	0.15	28.42	9.41	121.6	0.73	0.35	8.38	1.46	
2	CFBC	8/27/2008	13:52	1.00	28.22	9.22	117.8	0.89	0.43	8.28		
2	CFBC	8/27/2008	13:52	2.00	27.86	8.94	114.2	1.07	0.53	8.21		
2	CFBC	8/27/2008	13:52	3.00	27.05	5.96	74.1	10.09	5.66	7.47		
2	CFBC	8/27/2008	13:52	3.70	27.33	4.06	54.3	23.23	14.04	7.36		
2	CFBC	9/3/2008	15:22	0.15	29.56	9.10	121.2	4.65	2.47	7.70		4.0
2	CFBC	9/3/2008	15:22	1.00	28.77	7.39	98.8	10.21	5.64	7.54		
2	CFBC	9/3/2008	15:22	2.00	28.39	4.27	61.1	34.46	21.61	7.34		
2	CFBC	9/3/2008	15:22	3.00	28.49	3.84	56.2	38.18	24.17	7.41		
2	CFBC	9/3/2008	15:22	4.00	28.53	3.52	52.0	39.33	24.99	7.43		
2	CFBC	9/4/2008	2:50	0.15	28.08	7.65	99.3	4.97	2.65	7.81		4.0
2	CFBC	9/4/2008	2:50	1.00	28.34	7.24	94.1	5.95	3.08	7.67		
2	CFBC	9/4/2008	2:50	2.00	28.46	4.07	58.8	39.47	25.08	7.54		
2	CFBC	9/4/2008	2:50	3.00	28.44	3.46	51.5	40.69	25.93	7.62		
2	CFBC	9/4/2008	2:50	3.60	28.44	3.35	49.8	40.85	26.04	7.63		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-02
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
2	CFBC	9/15/2008	22:53	0.15	29.06	5.62	74.2	5.89	3.16	7.62		2.7
2	CFBC	9/15/2008	22:53	1.00	29.61	5.32	71.7	8.32	4.75	7.56		
2	CFBC	9/15/2008	22:53	2.00	29.06	1.77	23.1	31.97	19.98	7.32		
2	CFBC	9/15/2008	22:53	3.00	29.00	0.42	6.2	34.30	21.44	7.31		
2	CFBC	10/16/2008	12:00	0.30	26.05	6.67	87.1	17.55	10.34	7.68	1.10	2.1
2	CFBC	10/16/2008	12:00	1.20	26.06	4.48	60.5	25.99	15.89	7.49		
2	CFBC	10/16/2008	12:00	2.10	26.03	2.65	35.8	29.23	17.99	7.37		
2	CFBC	10/23/2008	12:20	0.30	23.70	6.20	78.3	19.87	11.81	7.75	1.60	4.4
2	CFBC	10/23/2008	12:23	1.28	23.31	5.07	68.8	40.21	25.84	7.83		
2	CFBC	10/23/2008	12:25	2.26	23.05	5.32	73.6	44.20	28.61	7.93		
2	CFBC	10/23/2008	12:28	3.23	23.02	5.37	73.7	44.38	28.69	7.94		
2	CFBC	10/28/2008	11:37	0.15	21.20	7.87	93.4	15.66	9.19	7.30		2.7
2	CFBC	10/28/2008	11:37	1.00	21.60	6.93	82.4	18.75	10.96	7.19		
2	CFBC	10/28/2008	11:37	2.00	22.89	4.92	61.3	25.20	15.40	7.04		
2	CFBC	10/28/2008	23:18	0.15	20.47	6.11	72.5	19.31	11.53	7.33		3.0
2	CFBC	10/28/2008	23:18	1.00	21.43	6.22	64.0	21.51	12.94	7.32		
2	CFBC	10/28/2008	23:18	2.00	22.41	3.82	45.4	24.31	14.75	7.11		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-02
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
2	CFBC	11/13/2008	13:55	0.15	18.33	9.83	114.6	25.27	15.47	7.68		4.3
2	CFBC	11/13/2008	13:55	1.00	16.65	8.64	98.0	29.93	18.58	7.55		
2	CFBC	11/13/2008	13:55	2.00	15.99	7.54	85.5	31.43	19.62	7.52		
2	CFBC	11/13/2008	13:55	3.00	15.84	7.19	81.6	31.56	19.71	7.53		
2	CFBC	11/14/2008	12:10	0.15	17.26	8.45	97.0	26.89	16.56	7.88		4.6
2	CFBC	11/14/2008	12:10	1.00	16.90	8.12	92.0	30.27	18.82	7.81		
2	CFBC	11/14/2008	12:10	2.00	16.75	7.36	85.0	31.98	19.99	7.81		
2	CFBC	11/14/2008	12:10	3.00	16.57	7.13	82.3	32.73	20.55	7.82		
2	CFBC	11/14/2008	12:10	4.00	16.64	7.09	82.2	32.78	20.55	7.82		

Notes:

m = meters

mg/L = milligrams/liter

mS/cm = milli Siemens/centimeter

Cond = conductivity

ppt = parts per thousand

°C = degrees Celsius

Blank = no data

CFBC = Cross Florida Barge Canal

A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-03

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
3	CFBC	10/16/2007	14:34	0.15	26.59	4.44	60.7	28.62	17.65	7.92	1.59	5.5
3	CFBC	10/16/2007	14:35	1.00	25.49	3.57	50.7	41.65	26.87	7.88		
3	CFBC	10/16/2007	14:36	2.00	25.27	3.10	44.7	46.64	30.28	7.89		
3	CFBC	10/16/2007	14:37	3.00	25.25	3.04	43.9	46.71	30.33	7.88		
3	CFBC	10/16/2007	14:38	4.00	25.25	3.07	44.1	46.71	30.33	7.88		
3	CFBC	10/16/2007	14:39	5.00	25.25	3.08	44.4	46.73	30.34	7.88		
3	CFBC	10/18/2007	18:33	0.15	28.26	5.80	85.4	37.15	23.44	7.84		5.2
3	CFBC	10/18/2007	18:34	2.40	25.90	4.61	66.4	48.78	31.82	7.80		
3	CFBC	10/18/2007	18:35	4.90	25.58	4.00	57.2	49.61	32.44	7.79		
3	CFBC	10/19/2007	6:03	0.15	27.04	6.21	88.1	34.92	21.98	7.65		5.5
3	CFBC	10/19/2007	6:12	4.90	25.93	1.09	15.1	34.00	21.36	7.12		
3	CFBC	10/19/2007	6:15	2.40	26.35	4.29	62.4	43.24	27.81	7.64		
3	CFBC	11/15/2007	12:09	0.15	21.56	8.20	99.2	18.49	10.97	8.07	1.19	4.5
3	CFBC	11/15/2007	12:10	1.00	21.02	8.45	105.3	29.04	17.97	7.95		
3	CFBC	11/15/2007	12:10	2.00	19.98	7.12	90.2	37.58	23.88	7.91		
3	CFBC	11/15/2007	12:11	3.00	19.51	6.15	78.0	40.15	25.70	7.91		
3	CFBC	11/15/2007	12:12	4.00	19.50	5.95	76.7	44.27	28.64	7.95		
3	CFBC	11/15/2007	12:13	5.00	19.44	5.90	76.4	45.53	29.55	7.95		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-03
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
3	CFBC	11/19/2007	12:33	0.15	20.09	6.26	74.0	19.96	11.94	7.90	1.49	4.6
3	CFBC	11/19/2007	12:33	1.00	19.69	5.53	65.6	22.85	13.84	7.83		
3	CFBC	11/19/2007	12:33	2.00	17.92	4.61	58.5	47.62	31.06	7.88		
3	CFBC	11/19/2007	12:34	3.00	17.83	4.51	57.3	48.19	31.48	8.08		
3	CFBC	11/19/2007	12:36	4.00	17.81	4.52	57.4	48.27	31.54	8.09		
3	CFBC	12/5/2007	13:32	0.15	19.15	9.04	104.0	17.48	10.34	7.95	1.48	5.1
3	CFBC	12/5/2007	13:33	1.00	18.14	8.14	98.6	35.45	22.40	7.94		
3	CFBC	12/5/2007	13:33	2.00	17.62	7.98	96.5	37.53	23.85	8.02		
3	CFBC	12/5/2007	13:34	3.00	17.56	7.89	95.3	37.64	23.93	8.03		
3	CFBC	12/5/2007	13:35	4.00	17.58	7.58	91.6	37.68	23.96	8.04		
3	CFBC	12/5/2007	13:35	5.00	17.58	7.55	91.4	37.68	23.96	8.04		
3	CFBC	12/7/2007	11:30	0.15	18.57	6.70	80.1	30.17	18.76	7.88		
3	CFBC	12/7/2007	11:31	1.00	18.17	5.51	65.8	31.91	19.95	7.90		
3	CFBC	12/7/2007	11:31	2.00	17.89	5.57	66.3	32.64	20.45	7.92		
3	CFBC	12/7/2007	11:32	3.00	17.83	5.49	65.4	32.81	20.57	7.93		
3	CFBC	12/7/2007	21:42	0.15	19.09	5.98	71.0	26.21	16.08	7.81		
3	CFBC	12/7/2007	21:43	1.00	18.84	5.91	71.5	31.73	19.82	7.84		
3	CFBC	12/7/2007	21:44	2.00	18.49	5.86	70.8	33.23	20.86	7.89		
3	CFBC	12/7/2007	21:44	3.00	18.38	6.24	74.6	31.21	19.47	7.90		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-03
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
3	CFBC	12/10/2007	12:38	0.15	20.12	6.83	85.0	32.97	20.67	7.81		5.6
3	CFBC	12/10/2007	12:39	1.00	20.03	6.71	83.4	33.07	20.74	7.81		
3	CFBC	12/10/2007	12:39	2.00	20.03	6.61	82.2	33.08	20.74	7.82		
3	CFBC	12/10/2007	12:40	3.00	20.00	6.55	81.4	33.07	20.74	7.82		
3	CFBC	12/10/2007	12:40	4.00	20.00	6.50	80.8	33.08	20.75	7.82		
3	CFBC	12/10/2007	12:42	5.00	20.00	6.35	78.9	33.08	20.75	7.83		
3	CFBC	12/12/2007	12:58	0.15	21.23	7.39	95.0	35.79	22.62	7.94	0.92	5.2
3	CFBC	12/12/2007	12:59	1.00	21.22	5.74	73.9	36.15	22.87	7.93		
3	CFBC	12/12/2007	12:59	2.00	21.24	5.76	74.2	36.22	22.92	7.93		
3	CFBC	12/12/2007	13:00	3.00	21.25	5.77	74.4	36.27	22.96	7.93		
3	CFBC	12/12/2007	13:01	4.00	21.26	5.76	74.3	36.29	22.97	7.93		
3	CFBC	12/12/2007	13:01	5.00	21.26	5.75	74.2	36.24	22.94	7.93		
3	CFBC	4/11/2008	16:22	0.15	26.40	7.76	109.1	35.32	22.21	8.08		4.9
3	CFBC	4/11/2008	16:22	1.00	26.04	7.63	106.8	36.40	22.94	8.09		
3	CFBC	4/11/2008	16:22	2.00	24.13	7.03	98.9	43.02	27.75	8.11		
3	CFBC	4/11/2008	16:22	3.00	24.01	6.59	92.5	43.83	28.29	8.10		
3	CFBC	4/11/2008	16:22	4.00	23.98	6.40	89.9	44.09	28.46	8.10		
3	CFBC	4/11/2008	16:22	5.00	23.98	6.33	88.5	44.14	28.50	8.10		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-03
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
3	CFBC	4/12/2008	3:40	0.15	24.53	6.58	86.6	23.00	13.89	7.80		4.9
3	CFBC	4/12/2008	3:40	1.00	24.79	5.51	74.0	27.20	16.65	7.75		
3	CFBC	4/12/2008	3:40	2.00	24.99	5.01	67.9	30.96	19.23	7.77		
3	CFBC	4/12/2008	3:40	3.00	24.26	5.08	68.6	34.71	21.78	7.90		
3	CFBC	4/12/2008	3:40	4.00	24.01	4.99	68.4	39.55	25.22	7.99		
3	CFBC	4/21/2008	13:48	0.15	23.20	5.18	67.7	31.22	19.44	7.86		5.2
3	CFBC	4/21/2008	13:48	1.00	23.02	5.21	68.2	32.02	19.97	7.88		
3	CFBC	4/21/2008	13:48	2.00	22.09	4.97	64.8	35.84	22.72	7.91		
3	CFBC	4/21/2008	13:48	3.00	21.98	4.89	64.1	37.04	23.48	7.92		
3	CFBC	4/21/2008	13:48	4.00	21.93	4.87	64.1	37.52	23.83	7.92		
3	CFBC	4/21/2008	23:06	0.15	23.38	4.68	59.2	20.08	11.99	7.65		4.3
3	CFBC	4/21/2008	23:06	1.00	23.36	4.61	58.0	20.15	12.13	7.68		
3	CFBC	4/21/2008	23:06	2.00	22.91	3.75	48.1	25.78	15.69	7.63		
3	CFBC	4/21/2008	23:06	3.00	22.84	3.60	46.0	27.66	17.03	7.67		
3	CFBC	4/21/2008	23:06	4.00	22.74	3.60	46.3	29.05	17.95	7.71		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-03
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
3	CFBC	5/7/2008	12:53	0.15	25.42	3.90	54.7	35.29	22.22	7.75		5.8
3	CFBC	5/7/2008	12:53	1.00	24.87	3.64	50.6	38.64	24.55	7.77		
3	CFBC	5/7/2008	12:53	2.00	24.84	3.57	49.8	38.53	24.42	7.79		
3	CFBC	5/7/2008	12:53	3.00	24.71	3.45	48.3	40.48	25.75	7.80		
3	CFBC	5/7/2008	12:53	4.00	24.68	3.41	47.7	40.62	25.98	7.81		
3	CFBC	5/7/2008	12:53	5.00	24.67	3.39	47.3	40.68	26.00	7.82		
3	CFBC	5/7/2008	23:00	0.15	26.14	6.50	82.2	14.79	8.57	8.08		4.4
3	CFBC	5/7/2008	23:00	1.00	26.10	6.17	86.6	15.84	9.26	8.03		
3	CFBC	5/7/2008	23:00	2.00	24.97	4.41	60.8	30.02	18.53	7.71		
3	CFBC	5/7/2008	23:00	3.00	24.77	4.15	57.5	35.43	22.38	7.74		
3	CFBC	5/7/2008	23:00	3.60	24.73	3.91	54.2	37.24	23.65	7.78		
3	CFBC	5/22/2008	13:31	0.15	26.07	7.53	102.4	28.50	17.46	7.62		5.8
3	CFBC	5/22/2008	13:31	1.00	26.05	7.26	79.7	30.01	18.40	7.63		
3	CFBC	5/22/2008	13:31	2.00	26.08	6.93	96.9	32.70	20.44	7.65		
3	CFBC	5/22/2008	13:31	3.00	26.04	6.90	96.0	34.41	21.64	7.69		
3	CFBC	5/22/2008	13:31	4.00	26.06	6.78	94.7	35.46	22.31	7.70		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-03
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
3	CFBC	5/23/2008	0:55	0.15	26.06	6.44	85.1	11.00	6.22	7.58		4.4
3	CFBC	5/23/2008	0:55	1.00	26.27	5.64	73.8	16.45	9.61	7.41		
3	CFBC	5/23/2008	0:55	2.00	26.23	4.65	63.3	23.40	14.10	7.37		
3	CFBC	5/23/2008	0:55	3.00	26.15	4.61	62.7	27.83	17.05	7.42		
3	CFBC	6/4/2008	11:41	0.15	29.65	5.53	81.8	32.80	20.34	7.74		1.5
3	CFBC	6/4/2008	11:42	1.00	29.36	5.48	81.0	33.92	21.16	7.76		
3	CFBC	6/4/2008	11:43	2.00	29.25	5.31	78.8	35.68	22.38	7.77		
3	CFBC	6/4/2008	11:44	3.00	29.26	5.11	75.8	36.12	22.73	7.78		
3	CFBC	6/4/2008	11:44	4.00	29.21	5.09	75.5	36.49	22.96	7.78		
3	CFBC	6/4/2008	11:45	5.00	29.21	5.05	74.9	36.53	23.00	7.78		
3	CFBC	6/5/2008	0:17	0.15	29.40	8.12	113.5	19.10	11.33	7.84		4.5
3	CFBC	6/5/2008	0:18	1.00	29.99	6.90	100.7	24.79	14.99	7.69		
3	CFBC	6/5/2008	0:19	2.00	30.05	6.12	89.4	26.93	16.59	7.65		
3	CFBC	6/5/2008	0:21	3.00	30.00	6.02	87.3	27.76	16.92	7.64		
3	CFBC	6/5/2008	0:22	4.00	30.00	5.99	86.9	27.96	17.09	7.64		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-03
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
3	CFBC	6/20/2008	12:08	0.15	30.32	5.63	82.6	28.60	17.53	7.64		5.2
3	CFBC	6/20/2008	12:08	1.00	29.35	5.28	77.8	32.74	20.41	7.62		
3	CFBC	6/20/2008	12:09	2.00	29.35	5.15	76.9	38.40	24.23	7.65		
3	CFBC	6/20/2008	12:10	3.00	29.47	5.10	77.4	41.13	26.22	7.72		
3	CFBC	6/20/2008	12:12	4.00	29.47	5.13	78.0	41.44	26.43	7.75		
3	CFBC	6/21/2008	0:46	0.15	30.04	5.55	80.1	25.17	15.40	7.69		4.8
3	CFBC	6/21/2008	0:47	1.00	30.35	5.42	80.0	29.29	17.89	7.69		
3	CFBC	6/21/2008	0:48	2.00	30.34	5.05	74.8	31.57	19.75	7.66		
3	CFBC	6/21/2008	0:48	3.00	30.23	4.70	69.8	32.44	20.14	7.64		
3	CFBC	6/21/2008	0:49	4.00	30.17	4.52	67.0	32.64	20.27	7.63		
3	CFBC	6/25/2008	10:54	0.15	29.23	7.71	107.0	16.81	9.80	7.84	1.39	5.3
3	CFBC	6/25/2008	10:55	1.00	29.26	5.08	74.5	28.89	17.88	7.59		
3	CFBC	6/25/2008	10:56	2.00	28.89	4.96	74.1	39.88	25.35	7.73		
3	CFBC	6/25/2008	10:57	3.00	28.88	4.89	73.4	40.56	25.85	7.76		
3	CFBC	6/25/2008	10:58	4.00	28.87	4.77	71.6	41.22	26.30	7.77		
3	CFBC	6/25/2008	10:58	5.00	28.80	4.41	67.3	42.93	27.54	7.76		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-03
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
3	CFBC	7/21/2008	15:30	0.15	33.03	6.55	102.4	34.74	21.66	8.27		
3	CFBC	7/21/2008	15:30	1.00	32.04	6.22	96.7	37.41	23.51	8.30		
3	CFBC	7/21/2008	15:30	2.00	31.48	5.63	87.5	39.61	25.10	8.29		
3	CFBC	7/21/2008	15:30	3.00	31.34	5.48	85.2	40.24	25.53	8.30		
3	CFBC	7/21/2008	15:30	4.00	31.29	5.33	82.7	40.37	25.63	8.30		
3	CFBC	7/22/2008	2:40	0.15	31.07	5.37	80.8	31.45	19.43	8.34		
3	CFBC	7/22/2008	2:40	1.00	31.34	5.37	81.2	32.81	20.36	8.34		
3	CFBC	7/22/2008	2:40	2.00	31.49	5.38	81.9	33.55	20.87	8.35		
3	CFBC	7/22/2008	2:40	3.00	31.51	5.40	82.2	33.68	20.95	8.35		
3	CFBC	7/22/2008	2:40	4.00	31.51	5.40	82.1	33.74	26.00	8.35		
3	CFBC	8/6/2008	14:46	0.15	31.14	6.29	91.5	24.02	14.38	7.64		5.0
3	CFBC	8/6/2008	14:46	1.00	30.27	6.01	87.9	29.30	18.15	7.65		
3	CFBC	8/6/2008	14:46	2.00	29.90	5.71	84.8	34.54	21.58	7.72		
3	CFBC	8/6/2008	14:46	3.00	29.84	5.53	82.1	34.99	21.90	7.71		
3	CFBC	8/6/2008	14:46	4.00	29.83	5.44	80.9	34.95	21.87	7.70		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-03
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
3	CFBC	8/7/2008	1:40	0.15	29.99	6.15	85.7	16.96	9.91	7.73		4.7
3	CFBC	8/7/2008	1:40	1.00	30.67	5.70	81.0	20.91	12.49	7.68		
3	CFBC	8/7/2008	1:40	2.00	30.90	5.30	78.6	28.47	17.45	7.73		
3	CFBC	8/7/2008	1:40	3.00	30.39	5.20	77.1	33.60	20.92	7.74		
3	CFBC	8/7/2008	1:40	4.00	30.09	4.73	70.7	35.05	21.94	7.73		
3	CFBC	8/27/2008	14:20	0.15	28.05	8.31	106.9	2.13	1.09	8.02	1.13	
3	CFBC	8/27/2008	14:20	1.00	27.95	8.30	106.8	2.37	1.22	7.99		
3	CFBC	8/27/2008	14:20	2.00	27.90	7.23	95.1	3.99	2.17	7.96		
3	CFBC	8/27/2008	14:20	3.00	29.01	6.33	93.1	35.80	22.54	7.84		
3	CFBC	8/27/2008	14:20	4.00	28.87	6.30	93.3	38.48	24.36	7.91		
3	CFBC	8/27/2008	14:20	5.00	28.73	6.04	89.7	39.36	24.99	7.91		
3	CFBC	9/3/2008	14:38	0.15	30.17	7.47	104.3	16.73	9.71	7.50		5.2
3	CFBC	9/3/2008	14:38	1.00	29.41	7.16	105.2	33.24	20.69	7.57		
3	CFBC	9/3/2008	14:38	2.00	28.64	6.59	97.8	41.64	26.61	7.59		
3	CFBC	9/3/2008	14:38	3.00	28.50	6.01	90.2	43.15	27.68	7.62		
3	CFBC	9/3/2008	14:38	4.00	28.46	5.78	86.9	43.93	28.24	7.64		
3	CFBC	9/3/2008	14:38	5.00	28.43	5.51	83.3	44.90	28.96	7.65		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-03
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
3	CFBC	9/4/2008	2:02	0.15	28.04	6.62	88.4	15.43	8.81	7.81		5.2
3	CFBC	9/4/2008	2:02	1.00	28.40	5.18	75.6	36.56	23.13	7.81		
3	CFBC	9/4/2008	2:02	2.00	28.47	4.76	71.5	44.69	28.81	7.88		
3	CFBC	9/4/2008	2:02	3.00	28.46	4.58	69.7	45.54	29.40	7.90		
3	CFBC	9/4/2008	2:02	4.00	28.47	4.44	67.3	46.05	29.79	7.89		
3	CFBC	9/4/2008	2:02	4.70	28.48	4.38	66.6	46.21	29.89	7.88		
3	CFBC	9/15/2008	22:12	0.15	29.94	5.44	74.7	12.48	7.10	7.67		4.6
3	CFBC	9/15/2008	22:12	1.00	29.94	5.32	72.9	12.98	7.41	7.63		
3	CFBC	9/15/2008	22:12	2.00	29.62	3.24	42.5	30.48	18.78	7.50		
3	CFBC	9/15/2008	22:12	3.00	29.39	2.56	36.8	33.25	20.78	7.49		
3	CFBC	9/15/2008	22:12	4.00	29.43	2.30	36.4	36.59	23.02	7.54		
3	CFBC	10/16/2008	9:50	0.34	25.30	5.47	71.7	22.70	13.70	7.57	0.93	4.3
3	CFBC	10/16/2008	9:50	1.22	25.51	4.32	57.7	25.65	15.38	7.53		
3	CFBC	10/16/2008	9:50	2.10	25.70	3.72	51.0	32.00	19.92	7.59		
3	CFBC	10/16/2008	9:50	3.08	25.73	4.87	68.7	38.44	24.39	7.83		
3	CFBC	10/16/2008	9:50	3.51	25.75	4.99	70.6	39.65	25.25	7.86		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-03
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
3	CFBC	10/23/2008	10:35	0.30	22.63	6.58	84.7	29.47	18.34	7.88	1.63	6.0
3	CFBC	10/23/2008	10:36	1.28	22.55	6.40	87.2	44.02	28.42	8.04		
3	CFBC	10/23/2008	10:38	2.26	22.63	6.29	86.1	45.25	29.32	8.04		
3	CFBC	10/23/2008	10:40	3.23	22.72	6.15	84.9	46.44	30.21	8.04		
3	CFBC	10/23/2008	10:41	4.21	22.80	5.98	82.8	47.18	30.72	8.03		
3	CFBC	10/23/2008	10:44	5.06	22.81	5.83	80.8	47.36	30.85	8.03		
3	CFBC	10/28/2008	10:50	0.15	19.65	8.27	96.8	19.83	11.85	7.47		4.6
3	CFBC	10/28/2008	10:50	1.00	19.26	6.94	80.8	21.38	13.21	7.42		
3	CFBC	10/28/2008	10:50	2.00	19.34	5.88	69.3	24.81	15.06	7.40		
3	CFBC	10/28/2008	10:50	3.00	19.72	5.16	61.6	26.18	16.01	7.36		
3	CFBC	10/28/2008	22:21	0.15	18.77	6.82	78.0	24.90	15.17	7.51		4.9
3	CFBC	10/28/2008	22:21	1.00	18.40	6.18	73.0	25.38	15.54	7.63		
3	CFBC	10/28/2008	22:21	2.00	17.60	6.89	80.5	26.92	16.58	7.80		
3	CFBC	10/28/2008	22:21	3.00	17.35	7.01	81.0	27.89	17.22	7.85		
3	CFBC	10/28/2008	22:21	4.00	17.17	6.73	78.2	30.65	19.07	7.89		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-03
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
3	CFBC	11/13/2008	13:11	0.15	17.42	8.74	104.0	34.72	21.89	7.73		5.5
3	CFBC	11/13/2008	13:11	1.00	17.04	8.71	103.2	35.63	22.54	7.75		
3	CFBC	11/13/2008	13:11	2.00	16.67	8.52	100.7	36.56	23.17	7.76		
3	CFBC	11/13/2008	13:11	3.00	16.53	8.28	97.8	36.84	23.37	7.77		
3	CFBC	11/13/2008	13:11	4.00	16.55	8.17	96.6	37.03	23.50	7.80		
3	CFBC	11/13/2008	13:11	4.50	16.55	8.16	96.4	37.07	23.53	7.81		
3	CFBC	11/13/2008	23:30	0.15	17.52	7.86	94.3	35.90	22.74	7.92		6.1
3	CFBC	11/13/2008	23:30	1.00	17.48	7.97	96.1	37.30	23.72	7.93		
3	CFBC	11/13/2008	23:30	2.00	16.95	8.07	97.2	40.13	25.71	7.93		
3	CFBC	11/13/2008	23:30	3.00	16.69	8.05	97.3	40.88	26.22	7.93		
3	CFBC	11/13/2008	23:30	4.00	16.64	8.03	96.7	41.05	26.34	7.93		
3	CFBC	11/13/2008	23:30	5.00	16.60	8.06	96.7	41.11	26.38	7.92		

Notes:

mS/cm = milli Siemens/centimeter

Cond = conductivity

CFBC = Cross Florida Barge Canal

m = meters

ppt = parts per thousand

°C = degrees Celsius

mg/L = milligrams/liter

Blank = no data

A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-04

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
4	CFBC	10/16/2007	13:58	0.15	25.76	4.49	63.2	38.51	24.89	7.97	1.02	5.5
4	CFBC	10/16/2007	13:59	1.00	25.50	4.22	60.6	41.31	27.11	7.94		
4	CFBC	10/16/2007	14:01	2.00	25.32	3.61	52.2	46.94	30.39	7.94		
4	CFBC	10/16/2007	14:02	3.00	25.25	3.58	52.3	48.35	31.56	7.95		
4	CFBC	10/16/2007	14:03	4.00	25.24	3.50	51.0	48.65	31.82	7.95		
4	CFBC	10/16/2007	14:05	5.00	25.24	3.46	50.3	48.82	31.85	7.95		
4	CFBC	10/18/2007	19:00	0.15	28.61	5.68	82.8	44.17	28.36	7.91		4.4
4	CFBC	10/18/2007	19:02	2.10	27.21	4.89	74.1	49.76	32.48	7.90		
4	CFBC	10/18/2007	19:04	4.30	25.95	4.17	59.6	50.61	33.15	7.83		
4	CFBC	10/19/2007	7:03	0.15	27.92	5.01	73.9	40.95	26.16	7.82		6.1
4	CFBC	10/19/2007	7:05	2.70	27.41	4.92	72.3	42.48	27.27	7.89		
4	CFBC	10/19/2007	7:07	5.50	25.93	4.21	60.4	44.79	28.92	7.85		
4	CFBC	11/15/2007	11:35	0.15	21.30	11.98	107.0	20.04	11.98	8.08	1.40	4.3
4	CFBC	11/15/2007	11:36	1.00	20.30	7.97	97.3	27.25	16.77	7.93		
4	CFBC	11/15/2007	11:36	2.00	19.99	6.97	86.7	33.40	20.97	7.85		
4	CFBC	11/15/2007	11:37	3.00	19.55	6.24	78.6	38.34	24.42	7.87		
4	CFBC	11/15/2007	11:38	4.00	19.52	6.03	77.0	41.84	26.90	7.92		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-04
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
4	CFBC	11/19/2007	11:30	0.15	19.00	4.91	61.1	37.84	24.07	7.98	1.68	5.2
4	CFBC	11/19/2007	11:30	1.00	18.45	4.75	59.8	43.22	27.89	8.03		
4	CFBC	11/19/2007	11:31	2.00	17.64	4.44	56.0	46.89	30.53	8.10		
4	CFBC	11/19/2007	11:32	3.00	17.41	4.47	56.3	47.64	31.08	8.10		
4	CFBC	11/19/2007	11:33	4.00	17.44	4.19	51.4	41.84	26.90	8.10		
4	CFBC	12/5/2007	14:05	0.15	18.07	9.73	115.3	30.62	19.07	8.08	1.60	4.2
4	CFBC	12/5/2007	14:06	1.00	18.20	9.67	116.2	33.28	20.90	8.13		
4	CFBC	12/5/2007	14:06	2.00	17.64	9.28	112.4	37.93	24.13	8.08		
4	CFBC	12/5/2007	14:07	3.00	17.64	8.16	99.1	38.49	24.53	8.06		
4	CFBC	12/5/2007	14:07	4.00	17.67	7.94	96.6	38.62	24.62	8.06		
4	CFBC	12/7/2007	13:00	0.15	19.07	6.14	73.7	29.03	17.98	7.94		
4	CFBC	12/7/2007	13:00	1.00	18.27	6.42	76.0	29.29	18.16	7.96		
4	CFBC	12/7/2007	13:01	2.00	18.14	6.07	73.8	36.17	22.91	7.98		
4	CFBC	12/7/2007	13:01	3.00	18.12	5.84	71.0	36.35	23.02	7.98		
4	CFBC	12/7/2007	13:01	4.00	18.12	6.09	74.0	36.40	23.06	7.99		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-04
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
4	CFBC	12/7/2007	22:22	0.15	18.85	10.22	123.6	31.81	19.88	7.94		
4	CFBC	12/7/2007	22:22	1.00	18.87	5.47	66.6	33.21	20.84	7.97		
4	CFBC	12/7/2007	22:23	2.00	18.69	5.65	68.8	34.26	21.57	8.00		
4	CFBC	12/7/2007	22:24	3.00	18.61	5.26	64.7	37.31	23.70	8.00		
4	CFBC	12/7/2007	22:24	4.00	18.54	5.43	66.3	35.51	22.44	8.00		
4	CFBC	12/10/2007	12:00	0.15	20.26	6.83	85.5	33.52	21.05	7.82		4.9
4	CFBC	12/10/2007	12:01	1.00	20.18	6.76	84.6	33.71	21.18	7.82		
4	CFBC	12/10/2007	12:01	2.00	20.14	6.65	83.1	33.85	21.28	7.82		
4	CFBC	12/10/2007	12:03	3.00	20.07	6.66	83.3	34.13	21.47	7.84		
4	CFBC	12/10/2007	12:04	4.00	20.06	6.67	83.3	34.15	21.49	7.84		
4	CFBC	12/12/2007	11:46	0.15	21.46	7.31	93.6	33.58	21.08	7.93	1.24	4.5
4	CFBC	12/12/2007	11:46	1.00	21.10	6.54	83.9	35.99	22.76	7.92		
4	CFBC	12/12/2007	11:47	2.00	21.05	6.42	82.4	36.14	22.86	7.92		
4	CFBC	12/12/2007	11:47	3.00	21.03	6.36	81.7	36.24	22.94	7.92		
4	CFBC	12/12/2007	11:48	4.00	21.03	6.35	81.5	36.28	22.97	7.92		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-04
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
4	CFBC	4/11/2008	17:15	0.15	25.76	8.10	115.0	40.18	25.63	8.14		5.5
4	CFBC	4/11/2008	17:15	1.00	25.75	8.13	115.9	41.86	26.85	8.17		
4	CFBC	4/11/2008	17:15	2.00	24.91	7.52	108.0	44.40	28.68	8.15		
4	CFBC	4/11/2008	17:15	3.00	24.36	6.85	97.2	45.19	29.26	8.13		
4	CFBC	4/11/2008	17:15	4.00	24.10	6.57	92.7	45.49	29.47	8.12		
4	CFBC	4/11/2008	17:15	5.00	24.02	6.46	91.0	45.58	29.54	8.11		
4	CFBC	4/12/2008	2:40	0.15	24.58	5.91	74.1	11.04	6.29	7.85		4.4
4	CFBC	4/12/2008	2:40	1.00	25.40	5.23	70.6	28.70	17.75	7.80		
4	CFBC	4/12/2008	2:40	2.00	25.30	5.25	71.1	30.85	19.20	7.82		
4	CFBC	4/12/2008	2:40	3.00	25.03	5.23	71.7	35.35	22.40	7.91		
4	CFBC	4/12/2008	2:40	3.70	24.64	5.23	71.8	36.72	23.22	7.95		
4	CFBC	4/21/2008	14:45	0.15	23.33	5.18	69.1	35.69	20.49	7.99		5.9
4	CFBC	4/21/2008	14:45	1.00	22.92	5.23	69.8	37.35	23.91	7.99		
4	CFBC	4/21/2008	14:45	2.00	22.31	5.12	68.6	40.09	25.61	8.02		
4	CFBC	4/21/2008	14:45	3.00	22.16	5.07	67.7	40.34	25.81	8.03		
4	CFBC	4/21/2008	14:45	4.00	22.04	4.98	66.4	40.44	25.89	8.02		
4	CFBC	4/21/2008	14:45	5.00	21.95	4.86	64.8	40.57	25.97	8.03		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-04
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
4	CFBC	4/21/2008	22:00	0.15	23.42	5.42	66.5	11.49	6.54	7.80		4.1
4	CFBC	4/21/2008	22:00	1.00	23.77	4.81	61.3	22.26	13.43	7.75		
4	CFBC	4/21/2008	22:00	2.00	23.83	4.66	60.8	27.23	16.76	7.74		
4	CFBC	4/21/2008	22:00	3.00	23.83	4.61	60.3	27.89	17.14	7.75		
4	CFBC	5/7/2008	11:12	0.15	24.63	7.75	103.0	30.42	18.86	7.78		4.7
4	CFBC	5/7/2008	11:12	1.00	24.44	7.58	103.0	32.59	20.40	7.80		
4	CFBC	5/7/2008	11:12	2.00	24.60	7.31	100.8	38.01	24.16	7.87		
4	CFBC	5/7/2008	11:12	3.00	24.66	7.11	98.7	41.52	26.61	7.90		
4	CFBC	5/7/2008	22:00	0.15	26.34	4.53	58.1	17.84	10.61	7.89		4.4
4	CFBC	5/7/2008	22:00	1.00	26.45	4.80	62.5	23.86	14.60	7.86		
4	CFBC	5/7/2008	22:00	2.00	26.36	4.56	65.0	27.22	17.10	7.81		
4	CFBC	5/7/2008	22:00	3.00	25.74	4.39	64.6	32.42	20.19	7.78		
4	CFBC	5/22/2008	11:25	0.15	26.10	6.26	85.8	28.00	17.20	7.20		5.2
4	CFBC	5/22/2008	11:25	1.00	25.96	6.14	84.6	32.09	20.05	7.54		
4	CFBC	5/22/2008	11:25	2.00	25.91	6.10	84.9	35.20	22.16	7.61		
4	CFBC	5/22/2008	11:25	3.00	25.99	6.07	85.5	37.37	23.62	7.65		
4	CFBC	5/22/2008	11:25	4.00	26.09	5.98	85.2	39.61	25.25	7.69		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-04
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
4	CFBC	5/23/2008	0:08	0.15	25.59	5.97	77.4	16.79	9.85	7.50		4.6
4	CFBC	5/23/2008	0:08	1.00	25.96	5.42	73.3	24.45	14.84	7.43		
4	CFBC	5/23/2008	0:08	2.00	26.00	5.34	72.9	25.85	15.84	7.43		
4	CFBC	5/23/2008	0:08	3.00	25.97	5.46	73.7	26.75	16.34	7.48		
4	CFBC	6/4/2008	10:37	0.15	30.11	6.29	89.1	19.00	11.25	7.62		4.2
4	CFBC	6/4/2008	10:38	1.00	30.22	6.60	94.3	22.61	13.57	7.64		
4	CFBC	6/4/2008	10:40	2.00	30.32	6.34	92.6	26.90	16.32	7.62		
4	CFBC	6/4/2008	10:41	3.00	30.28	6.08	88.9	28.03	17.12	7.62		
4	CFBC	6/4/2008	10:50	0.15	29.20	6.01	89.2	35.42	22.22	7.73		4.1
4	CFBC	6/4/2008	10:51	1.00	29.16	5.67	84.1	36.45	22.92	7.78		
4	CFBC	6/4/2008	10:52	2.00	29.24	5.40	81.0	39.09	24.88	7.82		
4	CFBC	6/4/2008	10:52	3.00	29.28	5.25	79.0	40.31	25.60	7.84		
4	CFBC	6/4/2008	10:53	4.00	29.30	5.18	78.2	40.62	25.87	7.85		
4	CFBC	6/20/2008	11:23	0.15	29.52	5.35	78.4	32.44	20.15	7.66		3.6
4	CFBC	6/20/2008	11:23	1.00	29.05	5.26	78.0	37.40	23.62	7.68		
4	CFBC	6/20/2008	11:24	2.00	29.20	5.09	76.9	41.70	26.66	7.74		
4	CFBC	6/20/2008	11:24	3.00	29.40	4.99	76.5	44.61	28.68	7.79		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-04
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
4	CFBC	6/21/2008	1:25	0.15	29.71	5.88	87.5	33.90	21.29	7.83		4.9
4	CFBC	6/21/2008	1:26	1.00	29.86	5.70	85.1	34.70	21.75	7.82		
4	CFBC	6/21/2008	1:26	2.00	30.05	5.62	84.0	36.00	22.58	7.83		
4	CFBC	6/21/2008	1:27	3.00	30.08	5.54	83.2	36.32	22.81	7.83		
4	CFBC	6/21/2008	1:28	4.00	30.08	5.50	82.4	36.39	22.88	7.84		
4	CFBC	6/25/2008	9:42	0.15	28.36	6.12	87.5	30.07	18.55	7.63	1.22	5.5
4	CFBC	6/25/2008	9:43	1.00	28.33	5.70	81.7	32.02	19.89	7.68		
4	CFBC	6/25/2008	9:44	2.00	28.84	5.23	79.1	43.25	27.75	7.75		
4	CFBC	6/25/2008	9:45	3.00	28.84	5.09	77.4	44.18	28.43	7.80		
4	CFBC	6/25/2008	9:46	4.00	28.83	5.00	76.0	44.47	28.63	7.82		
4	CFBC	6/25/2008	9:46	5.00	28.81	4.97	75.7	45.00	29.00	7.83		
4	CFBC	7/21/2008	16:25	0.15	33.26	6.83	108.7	38.19	24.07	8.43		
4	CFBC	7/21/2008	16:25	1.00	32.78	6.70	106.3	39.91	25.25	8.42		
4	CFBC	7/21/2008	16:25	2.00	32.43	6.36	101.6	42.62	27.19	8.42		
4	CFBC	7/21/2008	16:25	3.00	31.77	5.86	92.9	44.23	28.36	8.39		
4	CFBC	7/21/2008	16:25	4.00	31.41	5.51	87.3	44.84	28.80	8.38		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-04
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
4	CFBC	7/22/2008	0:57	0.15	31.47	5.18	78.5	32.73	20.51	8.35		
4	CFBC	7/22/2008	0:57	1.00	31.67	5.30	80.8	33.27	20.70	8.33		
4	CFBC	7/22/2008	0:57	2.00	31.62	5.37	81.4	33.58	20.89	8.33		
4	CFBC	7/22/2008	0:57	3.00	31.63	5.35	82.1	33.73	20.98	8.34		
4	CFBC	7/22/2008	0:57	4.00	31.59	5.50	83.6	33.77	21.01	8.34		
4	CFBC	8/6/2008	12:45	0.15	31.23	7.01	99.1	15.23	8.73	7.57		5.0
4	CFBC	8/6/2008	12:45	1.00	30.19	5.67	80.9	22.25	13.30	7.42		
4	CFBC	8/6/2008	12:45	2.00	30.05	5.40	77.4	24.49	14.72	7.42		
4	CFBC	8/6/2008	12:45	3.00	29.75	5.20	76.0	30.42	18.75	7.48		
4	CFBC	8/6/2008	12:45	4.00	29.81	5.48	81.4	34.82	21.79	7.65		
4	CFBC	8/7/2008	1:01	0.15	30.81	6.17	89.7	24.72	14.93	7.79		5.0
4	CFBC	8/7/2008	1:01	1.00	31.11	5.87	86.7	27.61	16.85	7.78		
4	CFBC	8/7/2008	1:01	2.00	31.03	5.78	85.9	29.99	18.46	7.79		
4	CFBC	8/7/2008	1:01	3.00	30.68	5.83	86.5	35.17	22.00	7.86		
4	CFBC	8/7/2008	1:01	4.00	30.56	5.78	87.5	38.16	24.11	7.89		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-04
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
4	CFBC	8/27/2008	14:35	0.15	29.18	7.51	102.6	14.07	8.13	7.89	0.83	
4	CFBC	8/27/2008	14:35	1.00	29.43	7.48	103.3	16.69	9.86	7.90		
4	CFBC	8/27/2008	14:35	2.00	28.98	7.01	100.7	29.53	18.17	7.89		
4	CFBC	8/27/2008	14:35	3.00	28.78	6.53	94.8	35.60	22.30	7.90		
4	CFBC	8/27/2008	14:35	4.00	28.63	6.21	92.1	40.05	25.48	7.93		
4	CFBC	8/27/2008	14:35	5.00	28.57	5.90	88.4	40.52	25.81	7.92		
4	CFBC	9/3/2008	13:55	0.15	29.40	6.98	102.6	33.72	21.01	7.69		4.9
4	CFBC	9/3/2008	13:55	1.00	29.20	6.81	100.9	36.60	23.01	7.73		
4	CFBC	9/3/2008	13:55	2.00	28.65	6.14	91.5	42.00	26.83	7.71		
4	CFBC	9/3/2008	13:55	3.00	28.55	5.74	86.8	43.41	27.90	7.73		
4	CFBC	9/3/2008	13:55	4.00	28.52	5.58	84.1	43.72	28.05	7.74		
4	CFBC	9/3/2008	13:55	5.00	28.51	5.51	83.2	43.84	28.18	7.75		
4	CFBC	9/4/2008	1:15	0.15	28.41	5.89	83.4	29.52	18.34	7.80		5.2
4	CFBC	9/4/2008	1:15	1.00	28.50	5.50	80.2	36.55	23.27	7.85		
4	CFBC	9/4/2008	1:15	2.00	28.49	5.08	76.9	45.12	29.10	7.90		
4	CFBC	9/4/2008	1:15	3.00	28.44	4.93	74.9	46.74	30.26	7.91		
4	CFBC	9/4/2008	1:15	4.00	28.43	4.85	73.9	46.90	30.39	7.91		
4	CFBC	9/4/2008	1:15	4.70	28.43	4.83	73.2	46.94	30.40	7.91		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-04
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
4	CFBC	9/15/2008	20:45	0.15	30.46	5.18	72.5	15.52	8.98	7.44		4.6
4	CFBC	9/15/2008	20:45	1.00	30.65	5.42	75.9	17.20	10.29	7.51		
4	CFBC	9/15/2008	20:45	2.00	30.80	5.32	77.4	23.45	14.07	7.60		
4	CFBC	9/15/2008	20:45	3.00	30.96	5.20	76.2	26.71	16.20	7.63		
4	CFBC	9/15/2008	20:45	4.00	29.82	4.04	60.1	37.40	23.72	7.67		
4	CFBC	9/15/2008	20:45	4.70	29.73	3.81	57.4	38.27	24.20	7.70		
4	CFBC	10/23/2008	9:24	0.15	22.30	6.44	84.4	35.76	22.60	7.97	1.55	6.0
4	CFBC	10/23/2008	9:26	1.37	22.20	6.72	89.4	39.40	25.16	8.04		
4	CFBC	10/23/2008	9:29	2.38	22.35	6.70	90.8	44.22	28.61	8.06		
4	CFBC	10/23/2008	9:31	3.35	22.58	6.41	88.2	46.52	30.28	8.05		
4	CFBC	10/23/2008	9:32	4.33	22.67	6.25	86.4	47.10	30.66	8.05		
4	CFBC	10/23/2008	9:35	5.12	22.70	6.20	85.8	47.32	30.82	8.04		
4	CFBC	10/28/2008	10:00	0.15	17.93	7.13	80.9	20.82	12.52	7.55		4.0
4	CFBC	10/28/2008	10:00	1.00	18.23	6.36	73.3	23.05	13.95	7.56		
4	CFBC	10/28/2008	10:00	2.00	17.83	6.18	71.6	25.40	15.46	7.63		
4	CFBC	10/28/2008	10:00	3.00	17.16	6.43	73.7	26.11	16.00	7.72		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-04
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (°C)	Dissolved Oxygen (mg/L)	DO percent saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi Depth (m)	Total Depth (m)
4	CFBC	10/28/2008	21:33	0.15	17.11	8.08	91.6	24.85	15.13	7.90		4.3
4	CFBC	10/28/2008	21:33	1.00	17.38	7.75	90.2	29.02	17.92	7.90		
4	CFBC	10/28/2008	21:33	2.00	17.40	7.43	88.1	34.36	21.50	7.95		
4	CFBC	10/28/2008	21:33	3.00	17.46	7.04	85.1	38.57	24.18	7.98		
4	CFBC	11/13/2008	12:06	0.15	17.65	9.54	113.2	33.42	20.94	7.76		5.5
4	CFBC	11/13/2008	12:06	1.00	17.22	9.07	107.4	35.57	22.54	7.72		
4	CFBC	11/13/2008	12:06	2.00	16.55	8.58	101.7	37.71	23.97	7.71		
4	CFBC	11/13/2008	12:06	3.00	16.46	8.41	99.5	37.89	24.09	7.72		
4	CFBC	11/13/2008	12:06	4.00	16.43	8.36	99.0	38.03	24.20	7.74		
4	CFBC	11/13/2008	12:06	4.50	16.42	8.34	98.5	38.08	24.23	7.76		
4	CFBC	11/13/2008	22:48	0.15	17.83	8.08	97.9	35.73	22.61	7.94		5.5
4	CFBC	11/13/2008	22:48	1.00	17.54	8.34	101.0	37.91	24.09	7.94		
4	CFBC	11/13/2008	22:48	2.00	16.88	8.54	102.6	41.11	26.31	7.93		
4	CFBC	11/13/2008	22:48	3.00	16.58	8.32	101.0	41.70	26.78	7.92		
4	CFBC	11/13/2008	22:48	4.00	16.56	8.26	99.6	41.70	26.83	7.92		
4	CFBC	11/13/2008	22:48	5.00	16.54	8.26	99.7	41.82	26.88	7.93		

Notes:

m = meters

mg/L = milligrams/liter

mS/cm = milli Siemens/centimeter

Cond = conductivity

ppt = parts per thousand

°C = degrees Celsius

Blank = no data

CFBC = Cross Florida Barge Canal

A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-05

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temp (°C)	DO (mg/L)	DO Percent Saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi depth (m)	Total Depth (m)
5	CFBC	10/16/2007	13:15	0.15	25.27	4.40	63.5	47.28	30.74	8.00	1.26	2.50
5	CFBC	10/16/2007	13:17	1	25.19	4.33	62.6	47.44	30.92	8.00		
5	CFBC	10/16/2007	13:18	2	24.88	4.10	59.4	48.78	31.83	8.00		
5	CFBC	11/15/2007	10:39	0.15	20.23	7.13	93.1	43.905	28.38	8.08	2.27	2.13
5	CFBC	11/15/2007	10:40	1	19.61	6.93	90.3	46.204	30.04	8.09		
5	CFBC	11/15/2007	10:41	2	19.36	6.95	90.6	47.114	30.7	8.11		
5	CFBC	11/19/2007	10:38	0.15	17.13	6.02	75.9	49.44	32.39	8.10	2.23	2.90
5	CFBC	11/19/2007	10:39	1	17.09	5.79	73.0	49.47	32.41	8.11		
5	CFBC	11/19/2007	10:40	2	17.03	5.79	73.0	49.52	32.45	8.12		
5	CFBC	12/5/2007	14:37	0.15	18.53	9.00	112.9	41.941	26.98	8.11	1.92	2.59
5	CFBC	12/5/2007	14:37	1	18.52	8.59	107.7	41.953	26.99	8.11		
5	CFBC	12/5/2007	14:37	2	18.38	8.42	105.7	42.746	27.55	8.11		
5	CFBC	12/12/2007	11:14	0.15	21.42	8.21	108.5	41.524	26.66	7.98	1.35	1.95
5	CFBC	12/12/2007	11:15	1	20.89	6.91	86.8	31.427	19.60	8.00		
5	CFBC	12/12/2007	11:15	2	20.85	6.63	87.2	43.068	27.77	8.01		

Notes:

mS/cm = milli Siemens/centimeter
Cond = conductivity
CFBC = Cross Florida Barge Canal

m = meters
ppt = parts per thousand
°C = degrees Celsius

mg/L = milligrams/liter

A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-06

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temp (°C)	DO (mg/L)	DO Percent Saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi depth (m)	Total Depth (m)
6	CFBC	10/16/2007	12:41	0.15	25.14	4.85	72.4	50.08	32.79	8.03	1.49	4.00
6	CFBC	10/16/2007	12:42	1	25.11	4.63	67.7	50.23	32.87	8.03		
6	CFBC	10/16/2007	12:43	2	25.05	4.52	66.2	50.55	33.15	8.04		
6	CFBC	10/16/2007	12:44	3	25.07	4.31	63.8	51.93	34.18	8.04		
6	CFBC	10/16/2007	12:45	4	25.10	4.20	62.0	52.03	34.23	8.03		
6	CFBC	11/15/2007	9:51	0.15	19.14	7.11	93	49.082	32.14	8.09	1.81	3.35
6	CFBC	11/15/2007	9:52	1	19.05	7.08	92.6	47.92	31.29	8.10		
6	CFBC	11/15/2007	9:53	2	19.01	7.07	92.3	49.208	32.23	8.10		
6	CFBC	11/15/2007	9:54	3	18.99	7.04	91.9	46.575	30.31	8.50		
6	CFBC	11/15/2007	9:55	3.7	19.00	7.02	91.5	49.123	32.17	8.09		
6	CFBC	11/19/2007	9:59	0.15	17.37	7.49	95.4	50.56	33.21	7.96	2.55	4.42
6	CFBC	11/19/2007	10:00	1	17.24	7.18	91.2	50.57	33.22	8.00		
6	CFBC	11/19/2007	10:01	2	17.33	7.09	90.3	50.81	33.39	8.03		
6	CFBC	11/19/2007	10:01	3	17.31	7.11	90.6	50.99	33.53	8.04		
6	CFBC	11/19/2007	10:01	4	17.30	6.99	89.1	51.05	33.57	8.04		
6	CFBC	12/5/2007	14:55	0.15	18.60	8.9	112.9	44.155	28.56	8.10	2.68	4.08
6	CFBC	12/5/2007	14:56	1	18.55	8.27	104.7	44.17	28.57	8.10		
6	CFBC	12/5/2007	14:56	2	18.52	8.18	103.6	44.184	28.58	8.10		
6	CFBC	12/5/2007	14:57	3	18.53	8.14	103.1	44.223	28.61	8.10		
6	CFBC	12/5/2007	14:57	4	18.53	8.09	102.4	44.306	28.67	8.10		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-06
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temp (°C)	DO (mg/L)	DO Percent Saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi depth (m)	Total Depth (m)
6	CFBC	12/12/2007	10:47	0.15	21.14	7.45	99.6	45.51	29.53	7.98	1.52	4.05
6	CFBC	12/12/2007	10:48	1	20.97	6.84	91.3	45.762	29.71	8.00		
6	CFBC	12/12/2007	10:48	2	20.66	6.79	90.3	46.309	30.11	8.01		
6	CFBC	12/12/2007	10:48	3	20.59	7.13	89.7	33.272	20.88	8.01		
6	CFBC	12/12/2007	10:49	4	20.59	6.72	89.3	46.414	30.19	8.01		

Notes:

m = meters

mg/L = milligrams/liter

mS/cm = milli Siemens/centimeter

ppt = parts per thousand

Temp = temperature

Cond = conductivity

°C = degrees Celsius

CFBC = Cross Florida Barge Canal

A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-07

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temp (°C)	DO (mg/L)	DO Percent Saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi depth (m)	Total Depth (m)
7	CFBC	10/16/2007	11:22	0.15	25.25	4.39	64.7	52.16	34.31	8.03	1.66	7.50
7	CFBC	10/16/2007	11:21	1	25.23	4.42	65.3	52.21	34.36	8.03		
7	CFBC	10/16/2007	11:21	2	25.19	4.41	65.1	52.46	34.57	8.03		
7	CFBC	10/16/2007	11:20	3	25.20	4.39	65.0	53.04	34.94	8.03		
7	CFBC	10/16/2007	11:19	4	25.25	4.41	65.3	53.42	35.25	8.03		
7	CFBC	10/16/2007	11:18	5	25.31	4.43	65.8	53.75	35.49	8.04		
7	CFBC	10/16/2007	11:17	6	25.40	4.44	66.5	54.28	35.72	8.04		
7	CFBC	10/16/2007	11:16	7	25.50	4.45	66.6	54.77	36.30	8.00		
7	CFBC	11/15/2007	9:05	0.15	18.95	6.65	87.7	50.748	33.36	8.05	2.15	5.49
7	CFBC	11/15/2007	9:06	1	18.9	6.67	87.5	50.915	33.48	8.46		
7	CFBC	11/15/2007	9:07	2	18.89	6.67	87.4	51.03	33.57	8.05		
7	CFBC	11/15/2007	9:08	3	18.9	6.63	86.9	51.233	33.71	8.05		
7	CFBC	11/15/2007	9:10	4	18.91	6.61	86.6	51.379	33.82	8.05		
7	CFBC	11/15/2007	9:11	5	18.92	6.59	86.4	51.448	33.87	8.05		
7	CFBC	11/19/2007	8:55	0.15	17.71	7.56	97.4	51.65	34.02	8.08	2.62	5.80
7	CFBC	11/19/2007	8:56	1	17.71	7.43	95.8	51.79	34.12	8.08		
7	CFBC	11/19/2007	8:57	2	17.71	7.42	95.7	51.80	34.13	8.08		
7	CFBC	11/19/2007	8:58	3	17.72	7.37	95.0	51.90	34.20	8.08		
7	CFBC	11/19/2007	8:58	4	17.74	7.35	94.8	51.91	34.21	8.08		
7	CFBC	11/19/2007	8:59	5	17.78	7.30	94.3	52.08	34.34	8.08		

**A-2 Field Sampling Data at Cross Florida Barge Canal Station – CFBC-07
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temp (°C)	DO (mg/L)	DO Percent Saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi depth (m)	Total Depth (m)
7	CFBC	12/5/2007	15:20	0.15	18.84	7.91	101.5	45.852	29.79	8.09	2.7	6.2
7	CFBC	12/5/2007	15:20	1	18.83	7.72	99	45.837	29.78	8.09		
7	CFBC	12/5/2007	15:21	2	18.72	7.68	98.4	45.889	29.81	8.09		
7	CFBC	12/5/2007	15:21	3	18.74	7.64	97.9	45.972	29.87	8.08		
7	CFBC	12/5/2007	15:21	4	18.72	7.58	97.2	46.097	29.96	8.08		
7	CFBC	12/5/2007	15:22	5	18.74	7.5	96.2	46.221	30.05	8.08		
7	CFBC	12/5/2007	15:22	6	18.73	7.42	95.2	46.239	30.07	8.07		
7	CFBC	12/12/2007	9:48	0.15	20.43	8.02	107.2	48.54	31.74	7.86	1.5	5.1
7	CFBC	12/12/2007	9:49	1	20.38	7.4	98.9	48.591	31.77	7.89		
7	CFBC	12/12/2007	9:49	2	20.29	7.26	96.9	48.828	31.95	7.92		
7	CFBC	12/12/2007	9:49	3	20.26	7.15	95.5	49.028	32.09	7.93		
7	CFBC	12/12/2007	9:50	4	20.24	7.05	94.2	49.174	32.2	7.95		
7	CFBC	12/12/2007	9:50	5	20.23	7.03	93.9	49.228	32.24	7.96		

Notes:

m = meters

mg/L = milligrams/liter

mS/cm = milli Siemens/centimeter

ppt = parts per thousand

Temp = temperature

Cond = conductivity

°C = degrees Celsius

CFBC = Cross Florida Barge Canal

A-3

CFBC Surface Water Chemistry Data

A-3 Cross Florida Barge Canal Analytical Data

Site	Station	Date	Depth	Note	Parameter	Qualifier	
						Value	Units
CFBC	CFBC-01	10/16/07	Middle		Ammonia	0.6 UJ	mg/L
CFBC	CFBC-01	11/19/07	Middle		Ammonia	0.15 U	mg/L
CFBC	CFBC-01	12/5/07	Middle		Ammonia	0.062 =	mg/L
CFBC	CFBC-01	12/12/07	Middle		Ammonia	0.03 U	mg/L
CFBC	CFBC-01	6/25/08	Middle		Ammonia	0.36 =	mg/L
CFBC	CFBC-01	8/27/08	Middle		Ammonia	0.015 U	mg/L
CFBC	CFBC-01	10/23/08	Surface		Ammonia	0.052 =	mg/L
CFBC	CFBC-01	10/23/08	Middle		Ammonia	0.06 =	mg/L
CFBC	CFBC-01	10/23/08	Bottom		Ammonia	0.075 =	mg/L
CFBC	CFBC-01	10/16/07	Middle		Nitrate Nitrite as N	0.0094 J	mg/L
CFBC	CFBC-01	11/19/07	Middle		Nitrate Nitrite as N	0.25 U	mg/L
CFBC	CFBC-01	12/05/07	Middle		Nitrate Nitrite as N	0.04 J	mg/L
CFBC	CFBC-01	12/12/07	Middle		Nitrate Nitrite as N	0.02 J	mg/L
CFBC	CFBC-01	06/25/08	Middle		Nitrate Nitrite as N	0.0065 U	mg/L
CFBC	CFBC-01	08/27/08	Middle		Nitrate Nitrite as N	0.33 =	mg/L
CFBC	CFBC-01	10/23/08	Surface		Nitrate Nitrite as N	0.019 J	mg/L
CFBC	CFBC-01	10/23/08	Middle		Nitrate Nitrite as N	0.018 J	mg/L
CFBC	CFBC-01	10/23/08	Bottom		Nitrate Nitrite as N	0.016 J	mg/L
CFBC	CFBC-01	10/16/07	Middle		Nitrogen, Kjeldahl	0.43 J	mg/L
CFBC	CFBC-01	11/19/07	Middle		Nitrogen, Kjeldahl	0.87 J	mg/L
CFBC	CFBC-01	12/5/07	Middle		Nitrogen, Kjeldahl	0.62 =	mg/L
CFBC	CFBC-01	12/12/07	Middle		Nitrogen, Kjeldahl	0.58 =	mg/L
CFBC	CFBC-01	6/25/08	Middle		Nitrogen, Kjeldahl	1.3 =	mg/L
CFBC	CFBC-01	8/27/08	Middle		Nitrogen, Kjeldahl	0.7 =	mg/L
CFBC	CFBC-01	10/23/08	Surface		Nitrogen, Kjeldahl	0.65 U	mg/L
CFBC	CFBC-01	10/23/08	Middle		Nitrogen, Kjeldahl	0.68 U	mg/L
CFBC	CFBC-01	10/23/08	Bottom		Nitrogen, Kjeldahl	1.3 U	mg/L
CFBC	CFBC-01	10/16/07	Middle		Total Nitrogen (calculation)	0.4394	mg/L
CFBC	CFBC-01	11/19/07	Middle		Total Nitrogen (calculation)	0.87	mg/L
CFBC	CFBC-01	12/5/07	Middle		Total Nitrogen (calculation)	0.66	mg/L
CFBC	CFBC-01	12/12/07	Middle		Total Nitrogen (calculation)	0.6	mg/L
CFBC	CFBC-01	6/25/08	Middle		Total Nitrogen (calculation)	1.3	mg/L
CFBC	CFBC-01	8/27/08	Middle		Total Nitrogen (calculation)	1.03	mg/L
CFBC	CFBC-01	10/23/08	Surface		Total Nitrogen (calculation)	0.019	mg/L
CFBC	CFBC-01	10/23/08	Middle		Total Nitrogen (calculation)	0.018	mg/L
CFBC	CFBC-01	10/23/08	Bottom		Total Nitrogen (calculation)	0.016	mg/L
CFBC	CFBC-01	10/23/08	Surface		Orthophosphate	0.054 J	mg/L
CFBC	CFBC-01	10/23/08	Middle		Orthophosphate	0.052 J	mg/L
CFBC	CFBC-01	10/23/08	Bottom		Orthophosphate	0.052 J	mg/L
CFBC	CFBC-01	10/16/07	Middle		Phosphorus	0.074 J	mg/L
CFBC	CFBC-01	11/19/07	Middle		Phosphorus	0.13 J	mg/L
CFBC	CFBC-01	12/5/07	Middle		Phosphorus	0.093 =	mg/L
CFBC	CFBC-01	12/12/07	Middle		Phosphorus	0.038 =	mg/L
CFBC	CFBC-01	6/25/08	Middle		Phosphorus	0.12 =	mg/L
CFBC	CFBC-01	8/27/08	Middle		Phosphorus	0.02 =	mg/L
CFBC	CFBC-01	10/23/08	Surface		Phosphorus	0.041 =	mg/L
CFBC	CFBC-01	10/23/08	Middle		Phosphorus	0.044 =	mg/L
CFBC	CFBC-01	10/23/08	Bottom		Phosphorus	0.055 =	mg/L

A-3 Cross Florida Barge Canal Analytical Data

Site	Station	Date	Depth	Note	Parameter	Qualifier	
						Value	Units
CFBC	CFBC-01	10/16/07	Middle		Chlorophyll-a, corrected for Pheophytin	18 =	mg/m3
CFBC	CFBC-01	11/19/07	Middle		Chlorophyll-a, corrected for Pheophytin	43 =	mg/m3
CFBC	CFBC-01	12/5/07	Middle		Chlorophyll-a, corrected for Pheophytin	22 =	mg/m3
CFBC	CFBC-01	12/12/07	Middle		Chlorophyll-a, corrected for Pheophytin	8.5 =	mg/m3
CFBC	CFBC-01	6/25/08	Middle		Chlorophyll-a, corrected for Pheophytin	12.4 =	mg/m3
CFBC	CFBC-01	8/27/08	Middle		Chlorophyll-a, corrected for Pheophytin	19.4 =	mg/m3
CFBC	CFBC-01	10/23/08	Surface		Chlorophyll-a, corrected for Pheophytin	17 J	mg/m3
CFBC	CFBC-01	10/23/08	Middle		Chlorophyll-a, corrected for Pheophytin	8.5 J	mg/m3
CFBC	CFBC-01	10/23/08	Bottom		Chlorophyll-a, corrected for Pheophytin	5.8 J	mg/m3
CFBC	CFBC-01	10/16/07	Middle		Total Dissolved Solids	20000 =	mg/L
CFBC	CFBC-01	11/19/07	Middle		Total Dissolved Solids	24000 =	mg/L
CFBC	CFBC-01	12/05/07	Middle		Total Dissolved Solids	11000 =	mg/L
CFBC	CFBC-01	12/12/07	Middle		Total Dissolved Solids	14000 =	mg/L
CFBC	CFBC-01	06/25/08	Middle		Total Dissolved Solids	10000 =	mg/L
CFBC	CFBC-01	08/27/08	Middle		Total Dissolved Solids	370 =	mg/L
CFBC	CFBC-01	10/23/08	Surface		Total Dissolved Solids	18000 =	mg/L
CFBC	CFBC-01	10/23/08	Middle		Total Dissolved Solids	18000 =	mg/L
CFBC	CFBC-01	10/23/08	Bottom		Total Dissolved Solids	16000 =	mg/L
CFBC	CFBC-01	10/16/07	Middle		Total Suspended Solids	15 =	mg/L
CFBC	CFBC-01	11/19/07	Middle		Total Suspended Solids	38 =	mg/L
CFBC	CFBC-01	12/05/07	Middle		Total Suspended Solids	9 =	mg/L
CFBC	CFBC-01	12/12/07	Middle		Total Suspended Solids	22 =	mg/L
CFBC	CFBC-01	06/25/08	Middle		Total Suspended Solids	18 =	mg/L
CFBC	CFBC-01	08/27/08	Middle		Total Suspended Solids	5 U	mg/L
CFBC	CFBC-01	10/23/08	Surface		Total Suspended Solids	20 =	mg/L
CFBC	CFBC-01	10/23/08	Middle		Total Suspended Solids	9 =	mg/L
CFBC	CFBC-01	10/23/08	Bottom		Total Suspended Solids	21 =	mg/L

A-3 Cross Florida Barge Canal Analytical Data

Site	Station	Date	Depth	Note	Parameter	Qualif	
						Value	ier Units
CFBC	CFBC-02	10/16/07	Middle		Ammonia	0.06 U	mg/L
CFBC	CFBC-02	11/19/07	Middle		Ammonia	0.3 U	mg/L
CFBC	CFBC-02	12/5/07	Middle		Ammonia	0.06 U	mg/L
CFBC	CFBC-02	12/12/07	Middle		Ammonia	0.15 U	mg/L
CFBC	CFBC-02	6/25/08	Middle		Ammonia	0.32 =	mg/L
CFBC	CFBC-02	6/25/08	Middle	Field Dup	Ammonia	0.26 =	mg/L
CFBC	CFBC-02	8/27/08	Middle		Ammonia	0.04 =	mg/L
CFBC	CFBC-02	8/27/08	Middle	Field Dup	Ammonia	0.042 =	mg/L
CFBC	CFBC-02	10/23/08	Surface		Ammonia	0.032 =	mg/L
CFBC	CFBC-02	10/23/08	Middle		Ammonia	0.017 J	mg/L
CFBC	CFBC-02	10/23/08	Bottom		Ammonia	0.011 J	mg/L
CFBC	CFBC-02	10/16/07	Middle		Nitrate Nitrite as N	0.0098 J	mg/L
CFBC	CFBC-02	11/19/07	Middle		Nitrate Nitrite as N	0.25 U	mg/L
CFBC	CFBC-02	12/05/07	Middle		Nitrate Nitrite as N	0.024 J	mg/L
CFBC	CFBC-02	12/12/07	Middle		Nitrate Nitrite as N	0.018 J	mg/L
CFBC	CFBC-02	06/25/08	Middle		Nitrate Nitrite as N	0.051 =	mg/L
CFBC	CFBC-02	06/25/08	Middle	Field Dup	Nitrate Nitrite as N	0.05 J	mg/L
CFBC	CFBC-02	08/27/08	Middle		Nitrate Nitrite as N	0.16 =	mg/L
CFBC	CFBC-02	08/27/08	Middle	Field Dup	Nitrate Nitrite as N	0.31 =	mg/L
CFBC	CFBC-02	10/23/08	Surface		Nitrate Nitrite as N	0.083 =	mg/L
CFBC	CFBC-02	10/23/08	Middle		Nitrate Nitrite as N	0.071 =	mg/L
CFBC	CFBC-02	10/23/08	Bottom		Nitrate Nitrite as N	0.015 J	mg/L
CFBC	CFBC-02	10/16/07	Middle		Nitrogen, Kjeldahl	0.49 =	mg/L
CFBC	CFBC-02	11/19/07	Middle		Nitrogen, Kjeldahl	0.68 =	mg/L
CFBC	CFBC-02	12/5/07	Middle		Nitrogen, Kjeldahl	1.1 =	mg/L
CFBC	CFBC-02	12/12/07	Middle		Nitrogen, Kjeldahl	0.91 =	mg/L
CFBC	CFBC-02	6/25/08	Middle		Nitrogen, Kjeldahl	1.2 =	mg/L
CFBC	CFBC-02	6/25/08	Middle	Field Dup	Nitrogen, Kjeldahl	0.8 =	mg/L
CFBC	CFBC-02	8/27/08	Middle		Nitrogen, Kjeldahl	0.89 =	mg/L
CFBC	CFBC-02	8/27/08	Middle	Field Dup	Nitrogen, Kjeldahl	0.76 =	mg/L
CFBC	CFBC-02	10/23/08	Surface		Nitrogen, Kjeldahl	0.65 U	mg/L
CFBC	CFBC-02	10/23/08	Middle		Nitrogen, Kjeldahl	0.8 U	mg/L
CFBC	CFBC-02	10/23/08	Bottom		Nitrogen, Kjeldahl	1.3 U	mg/L
CFBC	CFBC-02	10/16/07	Middle		Total Nitrogen (calculation)	0.4998	mg/L
CFBC	CFBC-02	11/19/07	Middle		Total Nitrogen (calculation)	0.68	mg/L
CFBC	CFBC-02	12/5/07	Middle		Total Nitrogen (calculation)	1.124	mg/L
CFBC	CFBC-02	12/12/07	Middle		Total Nitrogen (calculation)	0.928	mg/L
CFBC	CFBC-02	6/25/08	Middle		Total Nitrogen (calculation)	1.251	mg/L
CFBC	CFBC-02	6/25/08	Middle	Field Dup	Total Nitrogen (calculation)	0.85	mg/L
CFBC	CFBC-02	8/27/08	Middle		Total Nitrogen (calculation)	1.05	mg/L
CFBC	CFBC-02	8/27/08	Middle	Field Dup	Total Nitrogen (calculation)	1.07	mg/L
CFBC	CFBC-02	10/23/08	Surface		Total Nitrogen (calculation)	0.083	mg/L
CFBC	CFBC-02	10/23/08	Middle		Total Nitrogen (calculation)	0.071	mg/L
CFBC	CFBC-02	10/23/08	Bottom		Total Nitrogen (calculation)	0.015	mg/L
CFBC	CFBC-02	10/23/08	Surface		Orthophosphate	0.04 J	mg/L
CFBC	CFBC-02	10/23/08	Middle		Orthophosphate	0.04 J	mg/L
CFBC	CFBC-02	10/23/08	Bottom		Orthophosphate	1 U	mg/L

A-3 Cross Florida Barge Canal Analytical Data

Site	Station	Date	Depth	Note	Parameter	Qualifier	
						Value	Units
CFBC	CFBC-02	10/16/07	Middle		Phosphorus	0.077 =	mg/L
CFBC	CFBC-02	11/19/07	Middle		Phosphorus	0.059 =	mg/L
CFBC	CFBC-02	12/5/07	Middle		Phosphorus	0.29 =	mg/L
CFBC	CFBC-02	12/12/07	Middle		Phosphorus	0.068 =	mg/L
CFBC	CFBC-02	6/25/08	Middle		Phosphorus	0.051 =	mg/L
CFBC	CFBC-02	6/25/08	Middle	Field Dup	Phosphorus	0.054 =	mg/L
CFBC	CFBC-02	8/27/08	Middle		Phosphorus	0.024 =	mg/L
CFBC	CFBC-02	8/27/08	Middle	Field Dup	Phosphorus	0.027 =	mg/L
CFBC	CFBC-02	10/23/08	Surface		Phosphorus	0.059 =	mg/L
CFBC	CFBC-02	10/23/08	Middle		Phosphorus	0.043 =	mg/L
CFBC	CFBC-02	10/23/08	Bottom		Phosphorus	0.042 =	mg/L
CFBC	CFBC-02	10/16/07	Middle		Chlorophyll-a, corrected for Pheophytin	11 =	mg/m3
CFBC	CFBC-02	11/19/07	Middle		Chlorophyll-a, corrected for Pheophytin	21 =	mg/m3
CFBC	CFBC-02	12/5/07	Middle		Chlorophyll-a, corrected for Pheophytin	20 =	mg/m3
CFBC	CFBC-02	12/12/07	Middle		Chlorophyll-a, corrected for Pheophytin	36 =	mg/m3
CFBC	CFBC-02	6/25/08	Middle		Chlorophyll-a, corrected for Pheophytin	50.6 =	mg/m3
CFBC	CFBC-02	6/25/08	Middle	Field Dup	Chlorophyll-a, corrected for Pheophytin	55.1 =	mg/m3
CFBC	CFBC-02	8/27/08	Middle		Chlorophyll-a, corrected for Pheophytin	29.1 =	mg/m3
CFBC	CFBC-02	8/27/08	Middle	Field Dup	Chlorophyll-a, corrected for Pheophytin	26.7 =	mg/m3
CFBC	CFBC-02	10/23/08	Surface		Chlorophyll-a, corrected for Pheophytin	26.7 J	mg/m3
CFBC	CFBC-02	10/23/08	Middle		Chlorophyll-a, corrected for Pheophytin	47.3 J	mg/m3
CFBC	CFBC-02	10/23/08	Bottom		Chlorophyll-a, corrected for Pheophytin	7.3 J	mg/m3
CFBC	CFBC-02	10/16/07	Middle		Total Dissolved Solids	21000 =	mg/L
CFBC	CFBC-02	11/19/07	Middle		Total Dissolved Solids	22000 =	mg/L
CFBC	CFBC-02	12/05/07	Middle		Total Dissolved Solids	17000 =	mg/L
CFBC	CFBC-02	12/12/07	Middle		Total Dissolved Solids	13000 =	mg/L
CFBC	CFBC-02	06/25/08	Middle		Total Dissolved Solids	11000 =	mg/L
CFBC	CFBC-02	06/25/08	Middle	Field Dup	Total Dissolved Solids	13000 =	mg/L
CFBC	CFBC-02	08/27/08	Middle		Total Dissolved Solids	590 =	mg/L
CFBC	CFBC-02	08/27/08	Middle	Field Dup	Total Dissolved Solids	630 =	mg/L
CFBC	CFBC-02	10/23/08	Surface		Total Dissolved Solids	13000 =	mg/L
CFBC	CFBC-02	10/23/08	Middle		Total Dissolved Solids	14000 =	mg/L
CFBC	CFBC-02	10/23/08	Bottom		Total Dissolved Solids	22000 =	mg/L
CFBC	CFBC-02	10/16/07	Middle		Total Suspended Solids	20 =	mg/L
CFBC	CFBC-02	11/19/07	Middle		Total Suspended Solids	38 =	mg/L
CFBC	CFBC-02	12/05/07	Middle		Total Suspended Solids	20 =	mg/L
CFBC	CFBC-02	12/12/07	Middle		Total Suspended Solids	36 =	mg/L
CFBC	CFBC-02	06/25/08	Middle		Total Suspended Solids	22 =	mg/L
CFBC	CFBC-02	06/25/08	Middle	Field Dup	Total Suspended Solids	20 =	mg/L
CFBC	CFBC-02	08/27/08	Middle		Total Suspended Solids	4 J	mg/L
CFBC	CFBC-02	08/27/08	Middle	Field Dup	Total Suspended Solids	3.5 J	mg/L
CFBC	CFBC-02	10/23/08	Surface		Total Suspended Solids	10 =	mg/L
CFBC	CFBC-02	10/23/08	Middle		Total Suspended Solids	21 =	mg/L
CFBC	CFBC-02	10/23/08	Bottom		Total Suspended Solids	36 =	mg/L

A-3 Cross Florida Barge Canal Analytical Data

Site	Station	Date	Depth	Note	Parameter	Qualif		
						Value	ier	Units
CFBC	CFBC-03	10/16/07	Middle		Ammonia	0.3	U	mg/L
CFBC	CFBC-03	10/16/07	Middle	Field Dup	Ammonia	0.3	U	mg/L
CFBC	CFBC-03	11/19/07	Middle		Ammonia	0.3	U	mg/L
CFBC	CFBC-03	11/19/07	Middle	Field Dup	Ammonia	0.3	U	mg/L
CFBC	CFBC-03	12/5/07	Middle		Ammonia	0.15	U	mg/L
CFBC	CFBC-03	12/5/07	Middle	Field Dup	Ammonia	0.15	U	mg/L
CFBC	CFBC-03	12/10/07	Middle		Ammonia	0.035	J	mg/L
CFBC	CFBC-03	12/10/07	Middle	Field Dup	Ammonia	0.06	J	mg/L
CFBC	CFBC-03	12/12/07	Middle		Ammonia	0.06	J	mg/L
CFBC	CFBC-03	6/25/08	Middle		Ammonia	0.29	J	mg/L
CFBC	CFBC-03	8/27/08	Middle		Ammonia	0.11	=	mg/L
CFBC	CFBC-03	10/23/08	Surface		Ammonia	0.022	J	mg/L
CFBC	CFBC-03	10/23/08	Middle		Ammonia	0.03	U	mg/L
CFBC	CFBC-03	10/23/08	Middle	Field Dup	Ammonia	0.03	U	mg/L
CFBC	CFBC-03	10/23/08	Bottom		Ammonia	0.03	U	mg/L
CFBC	CFBC-03	10/16/07	Middle		Nitrate Nitrite as N	0.013	J	mg/L
CFBC	CFBC-03	10/16/07	Middle	Field Dup	Nitrate Nitrite as N	0.011	J	mg/L
CFBC	CFBC-03	11/19/07	Middle		Nitrate Nitrite as N	0.25	U	mg/L
CFBC	CFBC-03	11/19/07	Middle	Field Dup	Nitrate Nitrite as N	0.25	U	mg/L
CFBC	CFBC-03	12/05/07	Middle		Nitrate Nitrite as N	0.026	J	mg/L
CFBC	CFBC-03	12/05/07	Middle	Field Dup	Nitrate Nitrite as N	0.025	J	mg/L
CFBC	CFBC-03	12/10/07	Middle		Nitrate Nitrite as N	0.047	=	mg/L
CFBC	CFBC-03	12/10/07	Middle	Field Dup	Nitrate Nitrite as N	0.059	=	mg/L
CFBC	CFBC-03	12/12/07	Middle		Nitrate Nitrite as N	0.055	=	mg/L
CFBC	CFBC-03	06/25/08	Middle		Nitrate Nitrite as N	0.022	J	mg/L
CFBC	CFBC-03	08/27/08	Middle		Nitrate Nitrite as N	0.31	=	mg/L
CFBC	CFBC-03	10/23/08	Surface		Nitrate Nitrite as N	0.062	=	mg/L
CFBC	CFBC-03	10/23/08	Middle		Nitrate Nitrite as N	0.016	J	mg/L
CFBC	CFBC-03	10/23/08	Middle	Field Dup	Nitrate Nitrite as N	0.017	J	mg/L
CFBC	CFBC-03	10/23/08	Bottom		Nitrate Nitrite as N	0.014	J	mg/L
CFBC	CFBC-03	10/16/07	Middle		Nitrogen, Kjeldahl	0.27	=	mg/L
CFBC	CFBC-03	10/16/07	Middle	Field Dup	Nitrogen, Kjeldahl	0.29	=	mg/L
CFBC	CFBC-03	11/19/07	Middle		Nitrogen, Kjeldahl	0.2	J	mg/L
CFBC	CFBC-03	11/19/07	Middle	Field Dup	Nitrogen, Kjeldahl	0.41	=	mg/L
CFBC	CFBC-03	12/5/07	Middle		Nitrogen, Kjeldahl	0.44	=	mg/L
CFBC	CFBC-03	12/5/07	Middle	Field Dup	Nitrogen, Kjeldahl	0.37	=	mg/L
CFBC	CFBC-03	12/12/07	Middle		Nitrogen, Kjeldahl	1.8	=	mg/L
CFBC	CFBC-03	6/25/08	Middle		Nitrogen, Kjeldahl	0.56	J	mg/L
CFBC	CFBC-03	8/27/08	Middle		Nitrogen, Kjeldahl	0.61	=	mg/L
CFBC	CFBC-03	10/23/08	Surface		Nitrogen, Kjeldahl	0.4	U	mg/L
CFBC	CFBC-03	10/23/08	Middle		Nitrogen, Kjeldahl	1.5	U	mg/L
CFBC	CFBC-03	10/23/08	Middle	Field Dup	Nitrogen, Kjeldahl	1.2	U	mg/L
CFBC	CFBC-03	10/23/08	Bottom		Nitrogen, Kjeldahl	1.5	U	mg/L

A-3 Cross Florida Barge Canal Analytical Data

Site	Station	Date	Depth	Note	Parameter	Qualifier	
						Value	Units
CFBC	CFBC-03	10/16/07	Middle		Total Nitrogen (calculation)	0.283	mg/L
CFBC	CFBC-03	10/16/07	Middle	Field Dup	Total Nitrogen (calculation)	0.301	mg/L
CFBC	CFBC-03	11/19/07	Middle		Total Nitrogen (calculation)	0.2	mg/L
CFBC	CFBC-03	11/19/07	Middle	Field Dup	Total Nitrogen (calculation)	0.41	mg/L
CFBC	CFBC-03	12/5/07	Middle		Total Nitrogen (calculation)	0.466	mg/L
CFBC	CFBC-03	12/5/07	Middle	Field Dup	Total Nitrogen (calculation)	0.395	mg/L
CFBC	CFBC-03	12/12/07	Middle		Total Nitrogen (calculation)	1.855	mg/L
CFBC	CFBC-03	6/25/08	Middle		Total Nitrogen (calculation)	0.582	mg/L
CFBC	CFBC-03	8/27/08	Middle		Total Nitrogen (calculation)	0.92	mg/L
CFBC	CFBC-03	10/23/08	Surface		Total Nitrogen (calculation)	0.062	mg/L
CFBC	CFBC-03	10/23/08	Middle		Total Nitrogen (calculation)	0.016	mg/L
CFBC	CFBC-03	10/23/08	Middle	Field Dup	Total Nitrogen (calculation)	0.017	mg/L
CFBC	CFBC-03	10/23/08	Bottom		Total Nitrogen (calculation)	0.014	mg/L
CFBC	CFBC-03	12/10/07	Middle		Orthophosphate	0.026 J	mg/L
CFBC	CFBC-03	12/10/07	Middle	Field Dup	Orthophosphate	0.025 J	mg/L
CFBC	CFBC-03	12/12/07	Middle		Orthophosphate	0.033 J	mg/L
CFBC	CFBC-03	10/23/08	Surface		Orthophosphate	5 U	mg/L
CFBC	CFBC-03	10/23/08	Middle		Orthophosphate	5 U	mg/L
CFBC	CFBC-03	10/23/08	Middle	Field Dup	Orthophosphate	1 U	mg/L
CFBC	CFBC-03	10/23/08	Bottom		Orthophosphate	5 U	mg/L
CFBC	CFBC-03	10/16/07	Middle		Phosphorus	0.06 =	mg/L
CFBC	CFBC-03	10/16/07	Middle	Field Dup	Phosphorus	0.063 =	mg/L
CFBC	CFBC-03	11/19/07	Middle		Phosphorus	0.037 =	mg/L
CFBC	CFBC-03	11/19/07	Middle	Field Dup	Phosphorus	0.042 =	mg/L
CFBC	CFBC-03	12/5/07	Middle		Phosphorus	0.034 =	mg/L
CFBC	CFBC-03	12/5/07	Middle	Field Dup	Phosphorus	0.027 =	mg/L
CFBC	CFBC-03	12/10/07	Middle		Phosphorus	0.066 =	mg/L
CFBC	CFBC-03	12/10/07	Middle	Field Dup	Phosphorus	0.052 =	mg/L
CFBC	CFBC-03	12/12/07	Middle		Phosphorus	0.077 =	mg/L
CFBC	CFBC-03	6/25/08	Middle		Phosphorus	0.013 J	mg/L
CFBC	CFBC-03	8/27/08	Middle		Phosphorus	0.031 =	mg/L
CFBC	CFBC-03	10/23/08	Surface		Phosphorus	0.037 J	mg/L
CFBC	CFBC-03	10/23/08	Middle		Phosphorus	0.027 J	mg/L
CFBC	CFBC-03	10/23/08	Middle	Field Dup	Phosphorus	0.018 =	mg/L
CFBC	CFBC-03	10/23/08	Bottom		Phosphorus	0.026 J	mg/L
CFBC	CFBC-03	10/16/07	Middle		Chlorophyll-a, corrected for Pheophytin	5.3 =	mg/m3
CFBC	CFBC-03	10/16/07	Middle	Field Dup	Chlorophyll-a, corrected for Pheophytin	2 U	mg/m3
CFBC	CFBC-03	11/19/07	Middle		Chlorophyll-a, corrected for Pheophytin	3.2 =	mg/m3
CFBC	CFBC-03	11/19/07	Middle	Field Dup	Chlorophyll-a, corrected for Pheophytin	2 U	mg/m3
CFBC	CFBC-03	12/5/07	Middle		Chlorophyll-a, corrected for Pheophytin	3.2 =	mg/m3
CFBC	CFBC-03	12/5/07	Middle	Field Dup	Chlorophyll-a, corrected for Pheophytin	2 U	mg/m3
CFBC	CFBC-03	12/12/07	Middle		Chlorophyll-a, corrected for Pheophytin	2 U	mg/m3
CFBC	CFBC-03	6/25/08	Middle		Chlorophyll-a, corrected for Pheophytin	38.2 =	mg/m3
CFBC	CFBC-03	8/27/08	Middle		Chlorophyll-a, corrected for Pheophytin	15.8 =	mg/m3
CFBC	CFBC-03	10/23/08	Surface		Chlorophyll-a, corrected for Pheophytin	3.6 J	mg/m3
CFBC	CFBC-03	10/23/08	Middle		Chlorophyll-a, corrected for Pheophytin	6.1 J	mg/m3
CFBC	CFBC-03	10/23/08	Middle	Field Dup	Chlorophyll-a, corrected for Pheophytin	4.9 J	mg/m3
CFBC	CFBC-03	10/23/08	Bottom		Chlorophyll-a, corrected for Pheophytin	3.6 J	mg/m3

A-3 Cross Florida Barge Canal Analytical Data

Site	Station	Date	Depth	Note	Parameter	Qualif	
						Value	ier Units
CFBC	CFBC-03	10/16/07	Middle		Total Dissolved Solids	28000 =	mg/L
CFBC	CFBC-03	10/16/07	Middle	Field Dup	Total Dissolved Solids	27000 =	mg/L
CFBC	CFBC-03	11/19/07	Middle		Total Dissolved Solids	27000 =	mg/L
CFBC	CFBC-03	11/19/07	Middle	Field Dup	Total Dissolved Solids	25000 =	mg/L
CFBC	CFBC-03	12/05/07	Middle		Total Dissolved Solids	21000 =	mg/L
CFBC	CFBC-03	12/05/07	Middle	Field Dup	Total Dissolved Solids	19000 =	mg/L
CFBC	CFBC-03	12/12/07	Middle		Total Dissolved Solids	19000 =	mg/L
CFBC	CFBC-03	06/25/08	Middle		Total Dissolved Solids	15000 =	mg/L
CFBC	CFBC-03	08/27/08	Middle		Total Dissolved Solids	21000 =	mg/L
CFBC	CFBC-03	10/23/08	Surface		Total Dissolved Solids	14000 =	mg/L
CFBC	CFBC-03	10/23/08	Middle		Total Dissolved Solids	23000 =	mg/L
CFBC	CFBC-03	10/23/08	Middle	Field Dup	Total Dissolved Solids	22000 =	mg/L
CFBC	CFBC-03	10/23/08	Bottom		Total Dissolved Solids	25000 =	mg/L
CFBC	CFBC-03	10/16/07	Middle		Total Suspended Solids	33 =	mg/L
CFBC	CFBC-03	10/16/07	Middle	Field Dup	Total Suspended Solids	28 =	mg/L
CFBC	CFBC-03	11/19/07	Middle		Total Suspended Solids	39 =	mg/L
CFBC	CFBC-03	11/19/07	Middle	Field Dup	Total Suspended Solids	36 =	mg/L
CFBC	CFBC-03	12/05/07	Middle		Total Suspended Solids	15 =	mg/L
CFBC	CFBC-03	12/05/07	Middle	Field Dup	Total Suspended Solids	18 =	mg/L
CFBC	CFBC-03	12/10/07	Middle		Total Suspended Solids	29 =	mg/L
CFBC	CFBC-03	12/10/07	Middle	Field Dup	Total Suspended Solids	27 =	mg/L
CFBC	CFBC-03	12/12/07	Middle		Total Suspended Solids	52 =	mg/L
CFBC	CFBC-03	06/25/08	Middle		Total Suspended Solids	30 =	mg/L
CFBC	CFBC-03	08/27/08	Middle		Total Suspended Solids	33 =	mg/L
CFBC	CFBC-03	10/23/08	Surface		Total Suspended Solids	16 =	mg/L
CFBC	CFBC-03	10/23/08	Middle		Total Suspended Solids	31 J	mg/L
CFBC	CFBC-03	10/23/08	Middle	Field Dup	Total Suspended Solids	16 J	mg/L
CFBC	CFBC-03	10/23/08	Bottom		Total Suspended Solids	12 =	mg/L

A-3 Cross Florida Barge Canal Analytical Data

Site	Station	Date	Depth	Note	Parameter	Qualif	
						Value	ier Units
CFBC	CFBC-04	10/16/07	Middle		Ammonia	0.3 U	mg/L
CFBC	CFBC-04	11/19/07	Middle		Ammonia	0.3 U	mg/L
CFBC	CFBC-04	12/5/07	Middle		Ammonia	0.15 U	mg/L
CFBC	CFBC-04	12/10/07	Middle		Ammonia	0.054 J	mg/L
CFBC	CFBC-04	12/12/07	Middle		Ammonia	0.052 J	mg/L
CFBC	CFBC-04	12/12/07	Middle	Field Dup	Ammonia	0.053 J	mg/L
CFBC	CFBC-04	6/25/08	Middle		Ammonia	0.26 =	mg/L
CFBC	CFBC-04	8/27/08	Middle		Ammonia	0.13 =	mg/L
CFBC	CFBC-04	10/23/08	Surface		Ammonia	0.03 U	mg/L
CFBC	CFBC-04	10/23/08	Middle		Ammonia	0.03 U	mg/L
CFBC	CFBC-04	10/23/08	Bottom		Ammonia	0.03 U	mg/L
CFBC	CFBC-04	10/16/07	Middle		Nitrate Nitrite as N	0.013 J	mg/L
CFBC	CFBC-04	11/19/07	Middle		Nitrate Nitrite as N	0.25 U	mg/L
CFBC	CFBC-04	12/05/07	Middle		Nitrate Nitrite as N	0.024 J	mg/L
CFBC	CFBC-04	12/10/07	Middle		Nitrate Nitrite as N	0.046 =	mg/L
CFBC	CFBC-04	12/12/07	Middle		Nitrate Nitrite as N	0.06 =	mg/L
CFBC	CFBC-04	12/12/07	Middle	Field Dup	Nitrate Nitrite as N	0.052 =	mg/L
CFBC	CFBC-04	06/25/08	Middle		Nitrate Nitrite as N	0.018 U	mg/L
CFBC	CFBC-04	08/27/08	Middle		Nitrate Nitrite as N	0.011 J	mg/L
CFBC	CFBC-04	10/23/08	Surface		Nitrate Nitrite as N	0.043 J	mg/L
CFBC	CFBC-04	10/23/08	Middle		Nitrate Nitrite as N	0.015 J	mg/L
CFBC	CFBC-04	10/23/08	Bottom		Nitrate Nitrite as N	0.014 J	mg/L
CFBC	CFBC-04	10/16/07	Middle		Nitrogen, Kjeldahl	0.18 J	mg/L
CFBC	CFBC-04	11/19/07	Middle		Nitrogen, Kjeldahl	0.33 =	mg/L
CFBC	CFBC-04	12/5/07	Middle		Nitrogen, Kjeldahl	0.92 J	mg/L
CFBC	CFBC-04	12/12/07	Middle		Nitrogen, Kjeldahl	1.7 =	mg/L
CFBC	CFBC-04	12/12/07	Middle	Field Dup	Nitrogen, Kjeldahl	1.6 =	mg/L
CFBC	CFBC-04	6/25/08	Middle		Nitrogen, Kjeldahl	0.63 =	mg/L
CFBC	CFBC-04	8/27/08	Middle		Nitrogen, Kjeldahl	0.58 =	mg/L
CFBC	CFBC-04	10/23/08	Surface		Nitrogen, Kjeldahl	0.89 U	mg/L
CFBC	CFBC-04	10/23/08	Middle		Nitrogen, Kjeldahl	1.2 U	mg/L
CFBC	CFBC-04	10/23/08	Bottom		Nitrogen, Kjeldahl	1.7 U	mg/L
CFBC	CFBC-04	10/16/07	Middle		Total Nitrogen (calculation)	0.193	mg/L
CFBC	CFBC-04	11/19/07	Middle		Total Nitrogen (calculation)	0.33	mg/L
CFBC	CFBC-04	12/5/07	Middle		Total Nitrogen (calculation)	0.944	mg/L
CFBC	CFBC-04	12/12/07	Middle		Total Nitrogen (calculation)	1.76	mg/L
CFBC	CFBC-04	12/12/07	Middle	Field Dup	Total Nitrogen (calculation)	1.652	mg/L
CFBC	CFBC-04	6/25/08	Middle		Total Nitrogen (calculation)	0.63	mg/L
CFBC	CFBC-04	8/27/08	Middle		Total Nitrogen (calculation)	0.591	mg/L
CFBC	CFBC-04	10/23/08	Surface		Total Nitrogen (calculation)	0.043	mg/L
CFBC	CFBC-04	10/23/08	Middle		Total Nitrogen (calculation)	0.015	mg/L
CFBC	CFBC-04	10/23/08	Bottom		Total Nitrogen (calculation)	0.014	mg/L
CFBC	CFBC-04	12/10/07	Middle		Orthophosphate	0.02 J	mg/L
CFBC	CFBC-04	12/12/07	Middle		Orthophosphate	0.03 J	mg/L
CFBC	CFBC-04	12/12/07	Middle	Field Dup	Orthophosphate	0.03 J	mg/L
CFBC	CFBC-04	10/23/08	Surface		Orthophosphate	5 U	mg/L
CFBC	CFBC-04	10/23/08	Middle		Orthophosphate	5 U	mg/L
CFBC	CFBC-04	10/23/08	Bottom		Orthophosphate	5 U	mg/L

A-3 Cross Florida Barge Canal Analytical Data

Site	Station	Date	Depth	Note	Parameter	Qualif	
						Value	ier Units
CFBC	CFBC-04	10/16/07	Middle		Phosphorus	0.047 =	mg/L
CFBC	CFBC-04	11/19/07	Middle		Phosphorus	0.03 =	mg/L
CFBC	CFBC-04	12/5/07	Middle		Phosphorus	0.034 =	mg/L
CFBC	CFBC-04	12/10/07	Middle		Phosphorus	0.052 =	mg/L
CFBC	CFBC-04	12/12/07	Middle		Phosphorus	0.073 =	mg/L
CFBC	CFBC-04	12/12/07	Middle	Field Dup	Phosphorus	0.088 =	mg/L
CFBC	CFBC-04	6/25/08	Middle		Phosphorus	0.012 =	mg/L
CFBC	CFBC-04	8/27/08	Middle		Phosphorus	0.024 =	mg/L
CFBC	CFBC-04	10/23/08	Surface		Phosphorus	0.036 J	mg/L
CFBC	CFBC-04	10/23/08	Middle		Phosphorus	0.028 J	mg/L
CFBC	CFBC-04	10/23/08	Bottom		Phosphorus	0.045 J	mg/L
CFBC	CFBC-04	10/16/07	Middle		Chlorophyll-a, corrected for Pheophytin	2 U	mg/m3
CFBC	CFBC-04	11/19/07	Middle		Chlorophyll-a, corrected for Pheophytin	2.1 =	mg/m3
CFBC	CFBC-04	12/5/07	Middle		Chlorophyll-a, corrected for Pheophytin	2.1 =	mg/m3
CFBC	CFBC-04	12/12/07	Middle		Chlorophyll-a, corrected for Pheophytin	2 U	mg/m3
CFBC	CFBC-04	12/12/07	Middle	Field Dup	Chlorophyll-a, corrected for Pheophytin	2.1 =	mg/m3
CFBC	CFBC-04	6/25/08	Middle		Chlorophyll-a, corrected for Pheophytin	38.2 =	mg/m3
CFBC	CFBC-04	8/27/08	Middle		Chlorophyll-a, corrected for Pheophytin	13.4 =	mg/m3
CFBC	CFBC-04	10/23/08	Surface		Chlorophyll-a, corrected for Pheophytin	4.9 J	mg/m3
CFBC	CFBC-04	10/23/08	Middle		Chlorophyll-a, corrected for Pheophytin	6.1 J	mg/m3
CFBC	CFBC-04	10/23/08	Bottom		Chlorophyll-a, corrected for Pheophytin	4.9 J	mg/m3
CFBC	CFBC-04	10/16/07	Middle		Total Dissolved Solids	27000 =	mg/L
CFBC	CFBC-04	11/19/07	Middle		Total Dissolved Solids	26000 =	mg/L
CFBC	CFBC-04	12/05/07	Middle		Total Dissolved Solids	21000 =	mg/L
CFBC	CFBC-04	12/12/07	Middle		Total Dissolved Solids	18000 =	mg/L
CFBC	CFBC-04	12/12/07	Middle	Field Dup	Total Dissolved Solids	33000 =	mg/L
CFBC	CFBC-04	06/25/08	Middle		Total Dissolved Solids	16000 =	mg/L
CFBC	CFBC-04	08/27/08	Middle		Total Dissolved Solids	17000 =	mg/L
CFBC	CFBC-04	10/23/08	Surface		Total Dissolved Solids	18000 =	mg/L
CFBC	CFBC-04	10/23/08	Middle		Total Dissolved Solids	23000 =	mg/L
CFBC	CFBC-04	10/23/08	Bottom		Total Dissolved Solids	26000 =	mg/L
CFBC	CFBC-04	10/16/07	Middle		Total Suspended Solids	43 =	mg/L
CFBC	CFBC-04	11/19/07	Middle		Total Suspended Solids	37 =	mg/L
CFBC	CFBC-04	12/05/07	Middle		Total Suspended Solids	23 =	mg/L
CFBC	CFBC-04	12/10/07	Middle		Total Suspended Solids	28 =	mg/L
CFBC	CFBC-04	12/12/07	Middle		Total Suspended Solids	46 =	mg/L
CFBC	CFBC-04	12/12/07	Middle	Field Dup	Total Suspended Solids	40 =	mg/L
CFBC	CFBC-04	06/25/08	Middle		Total Suspended Solids	28 =	mg/L
CFBC	CFBC-04	08/27/08	Middle		Total Suspended Solids	30 =	mg/L
CFBC	CFBC-04	10/23/08	Surface		Total Suspended Solids	20 =	mg/L
CFBC	CFBC-04	10/23/08	Middle		Total Suspended Solids	31 =	mg/L
CFBC	CFBC-04	10/23/08	Bottom		Total Suspended Solids	42 =	mg/L

A-3 Cross Florida Barge Canal Analytical Data

Site	Station	Date	Depth	Note	Parameter	Qualif	
						Value	ier Units
CFBC	CFBC-05	10/16/07	Middle		Ammonia	0.6 U	mg/L
CFBC	CFBC-05	11/19/07	Middle		Ammonia	0.3 U	mg/L
CFBC	CFBC-05	12/5/07	Middle		Ammonia	0.41 =	mg/L
CFBC	CFBC-05	12/12/07	Middle		Ammonia	0.3 U	mg/L
CFBC	CFBC-05	10/16/07	Middle		Nitrate Nitrite as N	0.05 U	mg/L
CFBC	CFBC-05	11/19/07	Middle		Nitrate Nitrite as N	0.25 U	mg/L
CFBC	CFBC-05	12/05/07	Middle		Nitrate Nitrite as N	0.25 U	mg/L
CFBC	CFBC-05	12/12/07	Middle		Nitrate Nitrite as N	0.024 J	mg/L
CFBC	CFBC-05	10/16/07	Middle		Nitrogen, Kjeldahl	0.2 U	mg/L
CFBC	CFBC-05	11/19/07	Middle		Nitrogen, Kjeldahl	0.33 =	mg/L
CFBC	CFBC-05	12/5/07	Middle		Nitrogen, Kjeldahl	0.38 =	mg/L
CFBC	CFBC-05	12/12/07	Middle		Nitrogen, Kjeldahl	0.5 =	mg/L
CFBC	CFBC-05	10/16/07	Middle		Total Nitrogen (calculation)	0.2 U	mg/L
CFBC	CFBC-05	11/19/07	Middle		Total Nitrogen (calculation)	0.33	mg/L
CFBC	CFBC-05	12/5/07	Middle		Total Nitrogen (calculation)	0.38	mg/L
CFBC	CFBC-05	12/12/07	Middle		Total Nitrogen (calculation)	0.524	mg/L
CFBC	CFBC-05	10/16/07	Middle		Phosphorus	0.029 =	mg/L
CFBC	CFBC-05	11/19/07	Middle		Phosphorus	0.019 =	mg/L
CFBC	CFBC-05	12/5/07	Middle		Phosphorus	0.019 =	mg/L
CFBC	CFBC-05	12/12/07	Middle		Phosphorus	0.025 =	mg/L
CFBC	CFBC-05	10/16/07	Middle		Chlorophyll-a, corrected for Pheophytin	2 U	mg/m3
CFBC	CFBC-05	11/19/07	Middle		Chlorophyll-a, corrected for Pheophytin	2.1 =	mg/m3
CFBC	CFBC-05	12/5/07	Middle		Chlorophyll-a, corrected for Pheophytin	2.1 =	mg/m3
CFBC	CFBC-05	12/12/07	Middle		Chlorophyll-a, corrected for Pheophytin	2 U	mg/m3
CFBC	CFBC-05	10/16/07	Middle		Total Dissolved Solids	28000 =	mg/L
CFBC	CFBC-05	11/19/07	Middle		Total Dissolved Solids	28000 =	mg/L
CFBC	CFBC-05	12/05/07	Middle		Total Dissolved Solids	22000 =	mg/L
CFBC	CFBC-05	12/12/07	Middle		Total Dissolved Solids	22000 =	mg/L
CFBC	CFBC-05	10/16/07	Middle		Total Suspended Solids	29 =	mg/L
CFBC	CFBC-05	11/19/07	Middle		Total Suspended Solids	33 =	mg/L
CFBC	CFBC-05	12/05/07	Middle		Total Suspended Solids	20 =	mg/L
CFBC	CFBC-05	12/12/07	Middle		Total Suspended Solids	33 =	mg/L

A-3 Cross Florida Barge Canal Analytical Data

Site	Station	Date	Depth	Note	Parameter	Qualifier	
						Value	Units
CFBC	CFBC-06	10/16/07	Middle		Ammonia	0.6 U	mg/L
CFBC	CFBC-06	11/19/07	Middle		Ammonia	0.3 U	mg/L
CFBC	CFBC-06	12/5/07	Middle		Ammonia	0.3 U	mg/L
CFBC	CFBC-06	12/12/07	Middle		Ammonia	0.3 U	mg/L
CFBC	CFBC-06	10/16/07	Middle		Nitrate Nitrite as N	0.05 U	mg/L
CFBC	CFBC-06	11/19/07	Middle		Nitrate Nitrite as N	0.25 U	mg/L
CFBC	CFBC-06	12/05/07	Middle		Nitrate Nitrite as N	0.019 J	mg/L
CFBC	CFBC-06	12/12/07	Middle		Nitrate Nitrite as N	0.028 J	mg/L
CFBC	CFBC-06	10/16/07	Middle		Nitrogen, Kjeldahl	0.2 U	mg/L
CFBC	CFBC-06	11/19/07	Middle		Nitrogen, Kjeldahl	0.27 =	mg/L
CFBC	CFBC-06	12/5/07	Middle		Nitrogen, Kjeldahl	0.3 =	mg/L
CFBC	CFBC-06	12/12/07	Middle		Nitrogen, Kjeldahl	0.59 =	mg/L
CFBC	CFBC-06	10/16/07	Middle		Total Nitrogen (calculation)	0.2 U	mg/L
CFBC	CFBC-06	11/19/07	Middle		Total Nitrogen (calculation)	0.27	mg/L
CFBC	CFBC-06	12/5/07	Middle		Total Nitrogen (calculation)	0.319	mg/L
CFBC	CFBC-06	12/12/07	Middle		Total Nitrogen (calculation)	0.618	mg/L
CFBC	CFBC-06	10/16/07	Middle		Phosphorus	0.03 =	mg/L
CFBC	CFBC-06	11/19/07	Middle		Phosphorus	0.018 =	mg/L
CFBC	CFBC-06	12/5/07	Middle		Phosphorus	0.017 =	mg/L
CFBC	CFBC-06	12/12/07	Middle		Phosphorus	0.022 =	mg/L
CFBC	CFBC-06	10/16/07	Middle		Chlorophyll-a, corrected for Pheophytin	2 U	mg/m3
CFBC	CFBC-06	11/19/07	Middle		Chlorophyll-a, corrected for Pheophytin	2.1 =	mg/m3
CFBC	CFBC-06	12/5/07	Middle		Chlorophyll-a, corrected for Pheophytin	2 U	mg/m3
CFBC	CFBC-06	12/12/07	Middle		Chlorophyll-a, corrected for Pheophytin	2 U	mg/m3
CFBC	CFBC-06	10/16/07	Middle		Total Dissolved Solids	30000 =	mg/L
CFBC	CFBC-06	11/19/07	Middle		Total Dissolved Solids	27000 =	mg/L
CFBC	CFBC-06	12/05/07	Middle		Total Dissolved Solids	23000 =	mg/L
CFBC	CFBC-06	12/12/07	Middle		Total Dissolved Solids	24000 =	mg/L
CFBC	CFBC-06	10/16/07	Middle		Total Suspended Solids	24 =	mg/L
CFBC	CFBC-06	11/19/07	Middle		Total Suspended Solids	36 =	mg/L
CFBC	CFBC-06	12/05/07	Middle		Total Suspended Solids	17 =	mg/L
CFBC	CFBC-06	12/12/07	Middle		Total Suspended Solids	39 =	mg/L

A-3 Cross Florida Barge Canal Analytical Data

Site	Station	Date	Depth	Note	Parameter	Qualif	
						Value	ier Units
CFBC	CFBC-07	10/16/07	Middle		Ammonia	0.6 U	mg/L
CFBC	CFBC-07	11/19/07	Middle		Ammonia	0.3 U	mg/L
CFBC	CFBC-07	12/5/07	Middle		Ammonia	0.3 U	mg/L
CFBC	CFBC-07	12/12/07	Middle		Ammonia	0.3 U	mg/L
CFBC	CFBC-07	10/16/07	Middle		Nitrate Nitrite as N	0.05 U	mg/L
CFBC	CFBC-07	11/19/07	Middle		Nitrate Nitrite as N	0.015 J	mg/L
CFBC	CFBC-07	12/05/07	Middle		Nitrate Nitrite as N	0.019 J	mg/L
CFBC	CFBC-07	12/12/07	Middle		Nitrate Nitrite as N	0.03 J	mg/L
CFBC	CFBC-07	10/16/07	Middle		Nitrogen, Kjeldahl	0.2 U	mg/L
CFBC	CFBC-07	11/19/07	Middle		Nitrogen, Kjeldahl	0.2 J	mg/L
CFBC	CFBC-07	12/5/07	Middle		Nitrogen, Kjeldahl	0.16 J	mg/L
CFBC	CFBC-07	12/12/07	Middle		Nitrogen, Kjeldahl	0.45 =	mg/L
CFBC	CFBC-07	10/16/07	Middle		Total Nitrogen (calculation)	0.2 U	mg/L
CFBC	CFBC-07	11/19/07	Middle		Total Nitrogen (calculation)	0.215	mg/L
CFBC	CFBC-07	12/5/07	Middle		Total Nitrogen (calculation)	0.179	mg/L
CFBC	CFBC-07	12/12/07	Middle		Total Nitrogen (calculation)	0.48	mg/L
CFBC	CFBC-07	10/16/07	Middle		Phosphorus	0.022 =	mg/L
CFBC	CFBC-07	11/19/07	Middle		Phosphorus	0.019 =	mg/L
CFBC	CFBC-07	12/5/07	Middle		Phosphorus	0.016 =	mg/L
CFBC	CFBC-07	12/12/07	Middle		Phosphorus	0.021 =	mg/L
CFBC	CFBC-07	10/16/07	Middle		Chlorophyll-a, corrected for Pheophytin	2 U	mg/m3
CFBC	CFBC-07	11/19/07	Middle		Chlorophyll-a, corrected for Pheophytin	3.2 J	mg/m3
CFBC	CFBC-07	12/5/07	Middle		Chlorophyll-a, corrected for Pheophytin	2 U	mg/m3
CFBC	CFBC-07	12/12/07	Middle		Chlorophyll-a, corrected for Pheophytin	2.1 =	mg/m3
CFBC	CFBC-07	10/16/07	Middle		Total Dissolved Solids	32000 =	mg/L
CFBC	CFBC-07	11/19/07	Middle		Total Dissolved Solids	33000 =	mg/L
CFBC	CFBC-07	12/05/07	Middle		Total Dissolved Solids	27000 =	mg/L
CFBC	CFBC-07	12/12/07	Middle		Total Dissolved Solids	24000 =	mg/L
CFBC	CFBC-07	10/16/07	Middle		Total Suspended Solids	31 =	mg/L
CFBC	CFBC-07	11/19/07	Middle		Total Suspended Solids	42 =	mg/L
CFBC	CFBC-07	12/05/07	Middle		Total Suspended Solids	12 =	mg/L
CFBC	CFBC-07	12/12/07	Middle		Total Suspended Solids	38 =	mg/L

A-4

CFBC Infaunal and Motile Invertebrate Data

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-01	12-Oct-07	Polychaeta	CAPITELLIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-01	12-Oct-07	Decapoda	DECAPODA (ZOEAE)	14.35	
Ponar Dredge	CFBC	CFBC-01	12-Oct-07	Gastropoda	HYDROBIIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-01	12-Oct-07	Gastropoda	MOLLUSCA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-01	12-Oct-07	Polychaeta	STENINONEREIS MARTINI	57.41	
Ponar Dredge	CFBC	CFBC-01	06-Dec-07	Polychaeta	Cirratulidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-01	06-Dec-07	Polychaeta	Exogone pseudolourei	14.35	
Ponar Dredge	CFBC	CFBC-01	06-Dec-07	Polychaeta	Mediomastus ambiseta	14.35	
Ponar Dredge	CFBC	CFBC-01	06-Dec-07	Polychaeta	Stenionereis martini	14.35	
Ponar Dredge	CFBC	CFBC-01	06-Dec-07	Polychaeta	Streblospio sp.	43.06	
Ponar Dredge	CFBC	CFBC-02	12-Oct-07	Cumacea	CYCLASPIS VARIANS	57.41	
Ponar Dredge	CFBC	CFBC-02	12-Oct-07	Gastropoda	GASTROPODA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-02	12-Oct-07	Polychaeta	LEITOSCOLOPLOS FRAGILIS	14.35	
Ponar Dredge	CFBC	CFBC-02	12-Oct-07	Polychaeta	MEDIOMASTUS AMBISETA	1033.34	
Ponar Dredge	CFBC	CFBC-02	12-Oct-07	Decapoda	OGYRIDES ALPHAEROSTRIS	28.70	
Ponar Dredge	CFBC	CFBC-02	12-Oct-07	Polychaeta	PARAPRIONOSPIO SP.	100.46	
Ponar Dredge	CFBC	CFBC-02	12-Oct-07	Polychaeta	STREBLOSPIO SP.	14222.71	
Ponar Dredge	CFBC	CFBC-02	12-Oct-07	Oligochaeta	TUBIFICIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Amphipoda	Ampelisca abdita	14.35	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Amphipoda	Apocorophium louisianum	14.35	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Polychaeta	Aricidea philinae	28.70	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Bivalvia	Bivalvia (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Cumacea	Cumacea (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Cumacea	Cyclaspis varians	71.76	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Polychaeta	Leitoscoloplos sp.	545.37	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Cumacea	Leucon sp.	14.35	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Polychaeta	Mediomastus ambiseta	990.28	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Polychaeta	Mediomastus sp.	717.59	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Amphipoda	Melita nitida complex Lecroy	57.41	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Decapoda	Ogyrides alphaerostris	129.17	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Cumacea	Oxyurostylis smithi	28.70	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Decapoda	Palaemonidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Polychaeta	Paraprionospio sp.	71.76	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Polychaeta	Streblospio sp.	3788.90	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Bivalvia	Tellina sp.	28.70	
Ponar Dredge	CFBC	CFBC-02	06-Dec-07	Oligochaeta	Tubificidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-02	19-Jun-08	Amphipoda	AMERICOROPHIUM ELLISI	71.76	
Ponar Dredge	CFBC	CFBC-02	19-Jun-08	Amphipoda	AMPELISCA ABDITA	674.54	
Ponar Dredge	CFBC	CFBC-02	19-Jun-08	Amphipoda	AMPELISCA SP.	674.54	
Ponar Dredge	CFBC	CFBC-02	19-Jun-08	Polychaeta	CAPITELLA CAPITATA	114.82	
Ponar Dredge	CFBC	CFBC-02	19-Jun-08	Cnidaria	HYDROZOA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-02	19-Jun-08	Polychaeta	LEITOSCOLOPLOS FOLIOSUS	71.76	
Ponar Dredge	CFBC	CFBC-02	19-Jun-08	Polychaeta	LEITOSCOLOPLOS FRAGILIS	114.82	
Ponar Dredge	CFBC	CFBC-02	19-Jun-08	Polychaeta	MEDIOMASTUS AMBISETA	143.52	
Ponar Dredge	CFBC	CFBC-02	19-Jun-08	Polychaeta	MEDIOMASTUS SP.	14.35	
Ponar Dredge	CFBC	CFBC-02	19-Jun-08	Polychaeta	MELINNA CRISTATA	57.41	
Ponar Dredge	CFBC	CFBC-02	19-Jun-08	Polychaeta	OWENIIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-02	19-Jun-08	Gastropoda	RICTAXIS PUNCTOSTRIATUS	129.17	
Ponar Dredge	CFBC	CFBC-02	19-Jun-08	Polychaeta	STENINONEREIS MARTINI	28.70	
Ponar Dredge	CFBC	CFBC-02	19-Jun-08	Polychaeta	STREBLOSPIO SP.	6501.40	
Ponar Dredge	CFBC	CFBC-02	31-Oct-08	Bivalvia	BIVALVIA (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-02	31-Oct-08	Polychaeta	CAPITELLA CAPITATA	344.45	
Ponar Dredge	CFBC	CFBC-02	31-Oct-08	Amphipoda	COROPHIIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-02	31-Oct-08	Polychaeta	LEITOSCOLOPLOS SP.	43.06	
Ponar Dredge	CFBC	CFBC-02	31-Oct-08	Polychaeta	MEDIOMASTUS SP.	3300.93	
Ponar Dredge	CFBC	CFBC-02	31-Oct-08	Bivalvia	MULINIA LATERALIS	86.11	
Ponar Dredge	CFBC	CFBC-02	31-Oct-08	Polychaeta	NEREIDIDAE (LPIL)	100.46	
Ponar Dredge	CFBC	CFBC-02	31-Oct-08	Polychaeta	PARAPRIONOSPIO SP.	444.91	
Ponar Dredge	CFBC	CFBC-02	31-Oct-08	Polychaeta	SPIONIDAE (LPIL)	1148.15	
Ponar Dredge	CFBC	CFBC-02	31-Oct-08	Polychaeta	STREBLOSPIO SP.	19863.00	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Bivalvia	BIVALVIA (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Cumacea	CF. CYCLASPIS SP. B RAKOCINSKI	14.35	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Cumacea	CYCLASPIS VARIANS	86.11	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Polychaeta	GALATHOWENIA OCULATA	473.61	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Gastropoda	GASTROPODA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Polychaeta	LEITOSCOLOPLOS FOLIOSUS	287.04	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Polychaeta	LEITOSCOLOPLOS FRAGILIS	14.35	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Polychaeta	LEITOSCOLOPLOS SP.	14.35	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Cumacea	LEUCON SP. A	258.33	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Polychaeta	MEDIOMASTUS AMBISETA	617.13	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Polychaeta	MEDIOMASTUS SP.	57.41	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Gastropoda	NASSARIUS VIBEX	28.70	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Nemertea	NEMERTEA (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Nemertea	NEMERTEA SP. A (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Decapoda	OGYRIDES ALPHAEROSTRIS	100.46	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Polychaeta	PARAPRIONOSPPIO SP.	57.41	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Polychaeta	POLYCHAETA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Polychaeta	STREBLOSPIO SP.	1076.39	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Oligochaeta	TECTIDRILUS SP.	43.06	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Bivalvia	TELLINA SP.	43.06	
Ponar Dredge	CFBC	CFBC-03	12-Oct-07	Oligochaeta	TUBIFICIDAE (LPIL)	444.91	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Cumacea	Cumacea (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Cumacea	Cyclaspis varians	229.63	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Polychaeta	Galathowenia oculata	57.41	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Polychaeta	Glycera americana	14.35	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Polychaeta	Glycinde solitaria	14.35	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Cnidaria	Hydrozoa (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Polychaeta	Leitoscoloplos foliosus	775.00	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Polychaeta	Leitoscoloplos fragilis	387.50	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Polychaeta	Leitoscoloplos sp.	918.52	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Cumacea	Leucon americanus	473.61	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Polychaeta	Lumbrineris sp.	43.06	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Polychaeta	Mediomastus ambiseta	502.32	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Polychaeta	Mediomastus sp.	889.82	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Amphipoda	Melita nitida	14.35	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Nemertea	Nemertea sp. A (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Bivalvia	Nuculana acuta	14.35	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Decapoda	Ogyrides alphaerostriis	143.52	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Polychaeta	Paraprionospio sp.	71.76	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Polychaeta	Sabellinae (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Polychaeta	Streblospio sp.	731.95	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Oligochaeta	Tectidrilus sp.	71.76	
Ponar Dredge	CFBC	CFBC-03	06-Dec-07	Oligochaeta	Tubificidae (LPIL)	775.00	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	ARICIDEA PHILBINA	14.35	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	BOCCARDIELLA SP.	28.70	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Cumacea	CYCLASPIS VARIANS	86.11	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	ETEONE HETEROPODA	28.70	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	GALATHOWENIA OCULATA	114.82	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Echinodermata	HOLOTHUROIDEA (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	LEITOSCOLOPLOS FOLIOSUS	143.52	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	LEITOSCOLOPLOS FRAGILIS	143.52	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	LEITOSCOLOPLOS SP.	28.70	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Cumacea	LEUCON SP.	28.70	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Cumacea	LEUCON SP. B HEARD	100.46	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	LYSILLA SP.	28.70	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	MEDIOMASTUS AMBISETA	588.43	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	MEDIOMASTUS SP.	186.57	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	MINUSPIO DELTA	86.11	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	MONTICELLINA DORSOBANCHIALIS	28.70	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Nemertea	NEMERTEA (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Nemertea	NEMERTEA SP. D (STROM)	28.70	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	PARANDALIA TRICUSPIS	28.70	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	PARAPRIONOSPPIO SP.	57.41	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	PODARKEOPSIS LEVIFUSCINA	28.70	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Gastropoda	RICTAXIS PUNCTOSTRIATUS	28.70	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	SCOLOPLOS RUBRA	14.35	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Polychaeta	STREBLOSPIO SP.	430.56	
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Bivalvia	TELLINIDAE (LPIL)	28.70	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-03	19-Jun-08	Oligochaeta	TUBIFICOID NAIDIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Decapoda	ALPHEUS SP.	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Mysida	AMERICAMYSIS SP.	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	AONIDES SP.	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Bivalvia	BIVALVIA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	BOCCARDIA SP.	473.61	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Cnidaria	CNIDARIA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Cumacea	CYCLASPIS VARIANS	243.98	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	GALATHOWENIA OCULATA	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	GLYCERA AMERICANA	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	GLYCIDINDE SOLITARIA	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Amphipoda	HOUSTONIA SP.	28.70	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	LEITOSCOLOPLOS FOLIATUS	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	LEITOSCOLOPLOS FRAGILIS	43.06	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	LEITOSCOLOPLOS SP.	990.28	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Cumacea	LEUCON AMERICANUS	57.41	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Cumacea	LEUCON SP.	43.06	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Cumacea	LEUCON SP. A HEARD	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Amphipoda	LILJEBORGHII (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	MALDANIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	MEDIOMASTUS AMBISETA	1105.09	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	MEDIOMASTUS SP.	5224.08	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	MEGALOMMA PIGMENTUM	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	MINUSPIO SP.	129.17	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	MONTICELLINA DORSOBRANCHIALIS	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Mysida	MYSIDACEA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Nemertea	NEMERTEA (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	NEREIS MICROMMA	28.70	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Gastropoda	ODOSTOMIA SP.	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Decapoda	OGYRIDES ALPHAEROSTRIS	71.76	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Cumacea	OXYUROSTYLIS SMITHI	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	PARAPRIONOSPION SP.	918.52	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	STREBLOSPIO SP.	2468.52	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Polychaeta	SYLLIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Oligochaeta	TECTIDRILUS SP.	57.41	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Bivalvia	TELLINA SP.	57.41	
Ponar Dredge	CFBC	CFBC-03	31-Oct-08	Oligochaeta	TUBIFICOID NAIDIDAE (LPIL)	4004.17	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Cnidaria	ACTINIARIA (LPIL)	71.76	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Decapoda	ALPHEIDAE (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Mysida	AMERICAMYSIS SP.	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Amphipoda	AMPELISCA HOLMESI	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Amphipoda	AMPELISCA SP.	143.52	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Amphipoda	AMPELISCA SP. C	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Amphipoda	AORIDAE (LPIL)	100.46	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	APHELOCHAETA SP.	143.52	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Amphipoda	APOCOROPHIUM SP.	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	ARICIDEA TAYLORI	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Gastropoda	ASTYRIS LUNATA	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Amphipoda	BEMLOS UNICORNIS	129.17	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Bivalvia	BIVALVIA (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Bivalvia	BIVALVIA SP. A	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Amphipoda	CERAPUS SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Amphipoda	CERAPUS SP. C	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	CF. AUTOLYTUS DENTALINS	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	CF. MYXICOLA SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	CF. PSEUDOPOTAMILLA SP.	43.06	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Decapoda	CF. RHITHROPANOPEUS HARRISII	71.76	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	CIRRATULIDAE (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Gastropoda	CREPIDULA PLANA	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Cumacea	CYCLASPIS VARIANS	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Decapoda	DECAPODA (ZOEAE)	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	DIOPATRA CUPREA	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	DIPOLYDORA SOCIALIS	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Amphipoda	DULICHIELLA SP.	14.35	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Isopoda	EDOTIA TRILOBA	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	EXOGONE SP.	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	FABRICINUDA TRILOBATA	71.76	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	GALATHOWENIA OCULATA	1506.95	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	GLYCERA CF. AMERICANA	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	HAPLOSULLIS SPONGICOLA COMPLEX	114.82	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Mysida	HETEROMYSIS SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	LANGERHANSIA SP. A	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	LEITOSCOLOPLOS FOLIOSUS	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	LEITOSCOLOPLOS SP.	86.11	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	LUMBRINERIS SP.	358.80	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	LUMBRINERIS VERRILLI	358.80	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	MEDIOMASTUS AMBISSETA	200.93	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	MEDIOMASTUS CALIFORNIENSIS	688.89	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	MEDIOMASTUS SP.	129.17	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	MEGALOMMA PIGMENTUM	114.82	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Amphipoda	MELITA LONGISETOSA	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Amphipoda	MELITA SP.	114.82	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	MINUSPIO SP.	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Amphipoda	MONOCOROPHIUM SP.	57.41	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	MONTICELLINA DORSOBRANCHIALIS	373.15	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	MOOREONUPHIS SP.	43.06	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Amphipoda	NASAGENEIA BACESCUI	243.98	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Gastropoda	NASSARIUS VIBEX	43.06	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Nemertea	NEMERTEA (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Nemertea	NEMERTEA SP. A (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Nemertea	NEMERTEA SP. B (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Bivalvia	NUCULA CRENUATA	43.06	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Bivalvia	NUCULANA ACUTA	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Bivalvia	NUCULANA SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Oligochaeta	OLIGOCHAETA (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	ONUPHIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Echinodermata	OPHIUROIDEA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	OWENIA FUSIFORMIS	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Cumacea	OXYUROSTYLIS SMITHI	114.82	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Decapoda	PALAEMONIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	PARANDALIA SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	PARAPRIONOSPION SP.	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Phoronida	PHORONIDA (LPIL)	272.69	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	PHYLLODOCIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	PIROMIS SP.	114.82	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	PISTA SP.	129.17	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	PLATYNEREIS DUMERILII	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Decapoda	PORCELLANIDAE	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	PRIONOSPION SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Gastropoda	RISSOINA CANCELLATA	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	SABELLIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	SPHAEROSYLLIS SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	SPHAEROSYLLIS TAYLORI	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	SPIONIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	SYLLIS SP.	43.06	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Oligochaeta	TECTIDRILUS SP.	114.82	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Bivalvia	TELLINA SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Polychaeta	TEREBELLIDAE (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Gastropoda	THALA FLORIDANA	114.82	
Ponar Dredge	CFBC	CFBC-04	12-Oct-07	Oligochaeta	TUBIFICIDAE (LPIL)	100.46	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Amphipoda	Ampelisca sp.	172.22	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Amphipoda	Amphipoda (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Echinodermata	Amphipodidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Amphipoda	Aoridae (LPIL)	157.87	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Aphelochaeta sp.	57.41	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Aricidea fauveli	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Aricidea philibinae	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Autolytinae (LPIL)	14.35	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Axiiothella sp.	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Axiiothella sp. A Vittor	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Sessilia	Balanus sp.	28.70	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Amphipoda	Caprellidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Amphipoda	Cerapus sp.	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	cf. Dipolydora sp.	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	cf. Mooreonumphis sp.	243.98	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Chone sp.	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Chone sp. A Vittor	43.06	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Cirratulidae (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Amphipoda	Corophiidae (LPIL)	330.09	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Gastropoda	Crepidula plana	100.46	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Gastropoda	Crepidula sp.	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Cumacea	Cumacea (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Cumacea	Cyclaspis varians	129.17	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Diopatra cuprea	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Dipolydora socialis	287.04	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Oligochaeta	Duridrilus sp.	459.26	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Eteone heteropoda	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Exogone sp.	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Exogoninae (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Fabriciinae (LPIL)	71.76	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Fabricinuda trilobata	516.67	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Galathowenia oculata	1593.06	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Gastropoda	Gastropoda (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Glycera americana	28.70	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Glycera sp. C Vittor	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Glycinde solitaria	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Amphipoda	Grandierella bonnieroides	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Cnidaria	Hydrozoa (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Tanaidacea	Kalliapseudes macsweenyi	28.70	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Kinbergonuphis sp.	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Leitoscoloplos foliosus	43.06	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Leitoscoloplos sp.	172.22	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Lumbrineris verrilli	487.96	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Mediomastus sp.	832.41	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Megalomma pigmentum	272.69	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Minuspio multibranchiata	28.70	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Minuspio sp.	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Minuspio sp. A Vittor	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Gastropoda	Mitrella lunata	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Amphipoda	Monocorophium sp.	444.91	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Monticellina dorsobranchialis	358.80	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Mooreonuphis pallidula	28.70	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Nemertea	Nemertea (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Nemertea	Nemertea sp. B (LPIL)	114.82	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Nemertea	Nemertea sp. C (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Bivalvia	Nucula crenulata	43.06	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Bivalvia	Nucula sp.	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Bivalvia	Nuculana acuta	100.46	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Echinodermata	Ophiuroidea (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Owenia fusciformis	28.70	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Cumacea	Oxyurostylis smithi	28.70	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Paraprionospio sp.	43.06	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Phoronida	Phoronida (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Prionospio cristata	57.41	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Tanaidacea	Pseudonototanaia sp. B Heard	157.87	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Decapoda	Rhithropanopeus harrisi	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Sabellidae (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Spionidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Streblospio sp.	14.35	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Bivalvia	Tellina sp.	57.41	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Terebellidae (LPIL)	143.52	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Polychaeta	Tharyx ocutus	43.06	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Oligochaeta	Tubificidae (LPIL)	545.37	
Ponar Dredge	CFBC	CFBC-04	06-Dec-07	Isopoda	Xenanthura brevitelson	28.70	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	AGLAOPHAMUS SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Amphipoda	AMPELISCA SP.	28.70	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Echinodermata	AMPHIURIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	APHELOCHAETA SP.	143.52	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Amphipoda	APOCOROPHIUM SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	ARICIDEA TAYLORI	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	AXIOHELLA MUCOSA	57.41	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Bivalvia	BIVALVIA (LPIL)	114.82	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	CAULLERIELLA SP.	43.06	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	CHAETOZONE SP.	57.41	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	CIRRATULIDAE (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	CIRROPHORUS FURCATUS	57.41	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	CIRROPHORUS SP.	71.76	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Amphipoda	COROPHIIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Gastropoda	CREPIDULA FORNICATA	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Cumacea	CYCLASPIS VARIANS	28.70	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Diptera	DICROTENDIPES LOBUS	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	EUPOLYMNIA SP.	28.70	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	GALATHOWENIA OCULATA	2827.32	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	GLYCERA SP. B VITTOR	28.70	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	GLYCINDE SOLITARIA	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Echinodermata	HOLOTHUROIDEA (LPIL)	200.93	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Tanaidacea	KALLIAPSEUDES MACSWEENYI	57.41	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Oligochaeta	LIMNODRILOIDES SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	LUMBRINERIS SP.	157.87	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	LUMBRINERIS SP. D VITTOR	301.39	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	LUMBRINERIS VERRILLI	703.24	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	LYSILLA SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	MALMGRENIELLA SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	MALMGRENIELLA TAYLORI	28.70	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	MEDIOMASTUS AMBISSETA	272.69	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	MEDIOMASTUS SP.	358.80	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	MELINNA CRISTATA	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	MINUSPIO DELTA	86.11	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	MONTICELLINA DORSOBRANCHIALIS	1693.52	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	MOOREONUPHIS SP.	114.82	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Nemertea	NEMERTEA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Nemertea	NEMERTEA SP. G (STROM)	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Bivalvia	NUCULA CRENUATA	114.82	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Bivalvia	NUCULANA ACUTA	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	OPHIOLYGCERA SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Echinodermata	OPHIOPHRAGMUS FILOGRANEUS	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Echinodermata	OPHIUROIDEA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	OWENIA FUSCIFORMIS	86.11	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Tanaidacea	PARAPSEUDIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	PETTIBONEIA BLAKEI	57.41	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Phoronida	PHORONIDA (LPIL)	717.59	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	PHYLLODOCE ARENAE	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Decapoda	PINNOTHERIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	SPIOCHAETOPTERUS COSTARUM	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	STREBLOSPIO SP.	28.70	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Bivalvia	TELLINIDAE (LPIL)	746.30	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Polychaeta	TEREBELLIDES STROEMI	14.35	
Ponar Dredge	CFBC	CFBC-04	20-Jun-08	Oligochaeta	TUBIFICOID NAIDIDAE (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Gastropoda	ACTEOCINA CANALICULATA	57.41	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Mysida	AMERICAMYSIS SP.	43.06	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Amphipoda	AMPELISCA HOLMESI	57.41	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Amphipoda	AMPELISCA SP.	143.52	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Gastropoda	ANACHIS FLORIDANA	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Amphipoda	AORIDAE (LPIL)	100.46	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	APHELOCHAETA SP.	272.69	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Aplacophora	APLACOPHORA (LPIL)	86.11	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Amphipoda	APOCOROPHIUM SP.	114.82	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	ARICIDEA PHILBINA	28.70	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	ARICIDEA TAYLORI	43.06	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Gastropoda	ASTYRIS LUNATA	43.06	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	AUTOLYTUS SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	AUTOLYTUS SP. A VITTOR	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Gastropoda	BITTIUM ALTERNATUM	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Bivalvia	BIVALVIA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	BOCCARDIA SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Amphipoda	CAPRELLIDAE (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Decapoda	CARIDEA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Amphipoda	CERAPUS CUDJOE	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	CHONE SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	CIRRATULIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	CIRROPHORUS SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	CLYMENELLA TORQUATA	86.11	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Gastropoda	CREPIDULA PLANA	28.70	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Cumacea	CYCLASPIS VARIANS	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Decapoda	DECAPODA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Decapoda	DECAPODA (MEGALOPA LARVAE)	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	DIPOLYDORA SOCIALIS	100.46	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	DRILONEREIS LONGA	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Oligochaeta	DURIDRILUS TARDUS	287.04	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Bivalvia	ENNUCULA AEGEENSIS	57.41	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	GALATHOWENIA OCULATA	1004.63	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Gastropoda	GASTROPODA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	GLYCERA SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	GLYCIDINDE SOLITARIA	86.11	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	GONIADIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Cnidaria	HYDROZOA (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	LEITOSCOLOPLOS FOLIOSUS	129.17	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	LEITOSCOLOPLOS SP.	172.22	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Oligochaeta	LIMNODRILOIDES SP.	272.69	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Amphipoda	LISTRIELLA BARNARDI	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	LUMBRINERIS SP.	43.06	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	LUMBRINERIS VERRILLI	71.76	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Bivalvia	LYONSIA FLORIDANA	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Bivalvia	MACOMA SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	MALDANE SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	MEDIOMASTUS AMBISETA	157.87	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	MEDIOMASTUS SP.	1894.45	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	MEGALOMMA PIGMENTUM	57.41	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Amphipoda	MELITIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	MINUSPIO SP.	71.76	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	MONTICELLINA DORSOBRANCHIALIS	1349.08	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	MOOREONUPHIS SP.	43.06	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Gastropoda	NASSARIUS VIBEX	28.70	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Nemertea	NEMERTEA (LPIL)	71.76	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Nemertea	NEMERTEA SP. A (STROM)	28.70	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Nemertea	NEMERTEA SP. D (STROM)	129.17	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Nemertea	NEMERTEA SP. I (STROM)	28.70	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	NEREIS MICROMMA	71.76	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Bivalvia	NUCULANA ACUTA	43.06	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Echinodermata	OPHIOPHRAGMUS FILOGRANEUS	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Echinodermata	OPHIUROIDEA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	OWENIA FUSIFORMIS	100.46	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Cumacea	OXYUROSTYLIS SMITHI	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Cumacea	OXYUROSTYLIS SP.	28.70	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	PARAPRIONOSPION SP.	516.67	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Decapoda	PETROLISTHES SP.	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Sipuncula	PHASCOLION SP.	43.06	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Phoronida	PHORONIDA (LPIL)	157.87	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	PHYLLODOCE ARENAE	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Decapoda	PINNIXA SP.	14.35	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Platyhelminthes	PLATYHELMINTHES (LPIL)	100.46	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	PRIONOSPION HETEROBRANCHIA	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	SABELLARIA SP.	574.08	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	SABELLARIA SP. A VITTOR	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	SPHAEROSYLLIS TAYLORI	43.06	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	SPIOCHAETOPTERUS COSTARUM	71.76	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Polychaeta	STREBLOSPIO SP.	86.11	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Bivalvia	TELLINIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Oligochaeta	TUBIFICOID NAIDIDAE (LPIL)	832.41	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Gastropoda	TURBONILLA CONRADI	129.17	
Ponar Dredge	CFBC	CFBC-04	31-Oct-08	Decapoda	XANTHIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Cnidaria	ACTINIARIA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Decapoda	ALPHEIDAE (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Isopoda	AMAKUSANTHURA SIGNATA	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Amphipoda	AMPELISCA SP.	157.87	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Amphipoda	AMPHIPODA (LPIL)	215.28	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Echinodermata	AMPHIURIDAE (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Amphipoda	AORIDAE (LPIL)	143.52	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	AMPELOCHAETA SP.	172.22	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Amphipoda	APOCOROPHIUM LOUISIANUM	387.50	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	ARICIDEA PHILBINAE	71.76	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	ARICIDEA SP.	71.76	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	AXIOHELLA SP.	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Amphipoda	BEMLOS SP.	717.59	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	BISPIRA MELANOSTIGMA	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Bivalvia	BIVALVIA (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Bivalvia	BIVALVIA SP. A	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Isopoda	CF. AMAKUSANTHURA SIGNATA	71.76	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	CF. BRANCHIOSYLLIS EXILIS	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	CF. PISTA SP.	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Chaetognatha	CHAETOGNATHA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	CHAETOZONE SP.	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	CHONE SP.	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Cnidaria	CNIDARIA (LPIL) MEDUSA	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Amphipoda	COLOMASTIX HALICHRONDRIAE	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Bivalvia	CORBULA SP.	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Bivalvia	CORBULA SWIFTIANA	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Amphipoda	COROPHIIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Cumacea	CYCLASPIS PLATYMERUS	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Decapoda	DECAPODA (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Decapoda	DECAPODA (MEGALOPA LARVAE)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Decapoda	DECAPODA (ZOEAE)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Amphipoda	DEUTELLA INCERTA	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	DIPOLYDORA SOCIALIS	57.41	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	DIPOLYDORA SP. A	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Amphipoda	ELASMOPUS SP.	114.82	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	EUSYLLINAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	EXOGONE LOUREI	57.41	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	EXOGONE SP.	301.39	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Isopoda	EXOSPHEROMA DIMINUTA	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	FABRICIINAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	FABRICINUDA TRILOBATA	617.13	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	GALATHOWENIA OCULATA	703.24	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Gastropoda	GASTROPODA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Amphipoda	GLOBOSOLEMBOS SMITHI	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Amphipoda	GLOBOSOLEMBOS SP.	43.06	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	GLYCERA CF. AMERICANA	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	GRUBEOSYLLIS CLAVATA	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	GRUBEOSYLLIS RUGULOSA	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	HAPLOSYLLIS SPONGICOLA COMPLEX	57.41	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Porifera	HEXACTINELLIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Cnidaria	HYDROZOA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	KINBERGONUPHIS SP. A VITTOR	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	LANGERHANSIA FERRUGINA	28.70	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	LEITOSCOLOPLOS FRAGILIS	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Tanaidacea	LEPTOCHELIIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	LOIMIA MEDUSA	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Decapoda	LUCIFER FAXON I	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	LUMBRINERIS SP.	1148.15	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	LUMBRINERIS VERRILLI	344.45	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	MALDANIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	MEDIOMASTUS AMBISSETA	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	MEDIOMASTUS CALIFORNIENSIS	459.26	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	MEDIOMASTUS SP.	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	MINUSPIO MULTIBRANCHIATA	258.33	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	MINUSPIO SP.	287.04	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Amphipoda	MONOCOROPHIUM SP.	57.41	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Amphipoda	MONOCOROPHIUM TUBERCULATUM	129.17	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Nemertea	NEMERTEA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Nemertea	NEMERTEA SP. C (LPIL)	86.11	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	NEREIS MICROMMA	373.15	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Bivalvia	NUCULA CRENUATA	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Bivalvia	NUCULANA ACUTA	86.11	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	ODONTOSYLLIS SP.	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	ONUPHIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Cumacea	OXYUROSTYLIS SMITHI	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Decapoda	PAGURIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Decapoda	PAGURISTES SP.	43.06	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Amphipoda	PARAMICRODEUTOPUS MYERSI	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Decapoda	PETROLISTHES ARMATUS	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	PIONOSYLLIS CF. GESAE	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	PLATYNEREIS DUMERILII	43.06	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	PLATYNEREIS SP.	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	PODARKEOPSIS LEVIFUSCINA	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	POLYNOIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polyplacophora	POLYPLACOPHORA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	PRIONOSPPIO CRISTATA	645.83	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	PRIONOSPPIO SP.	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Decapoda	PROCESSA CF. BERMUDENSIS	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Gastropoda	PRUNUM LAVALLEANA	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Tanaidacea	PSEUDOTANAIIS SP. B	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	RHAMPHOBRACHIUM DIVERSOSETOSUM	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Decapoda	RHITHROPANOPEUS HARRISII	71.76	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	SABELLARIA FLORIDENSIS	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	SABELLARIA SP.	43.06	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	SABELLINAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Cnidaria	SCLERACTINIA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Sipuncula	SIPUNCULA (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	SPIO PETTIBONEAE	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	SPIONIDAE (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	TEREBELLIDAE (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Polychaeta	THARYX SP.	143.52	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Decapoda	TRAPEZIOPLAX TRIDENTATA	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Oligochaeta	TUBIFICIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Bivalvia	VENERIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	11-Oct-07	Decapoda	XANTHIDAE (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Isopoda	Amakusanthura signata	243.98	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Isopoda	Amakusanthura sp.	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Ampelisca sp.	315.74	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Ampharetidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Amphipoda (LPIL)	473.61	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Echinodermata	Amphiuridae (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Gastropoda	Anachis obesa	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Aoridae (LPIL)	1191.21	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Aphelocheata sp.	157.87	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Apocorophium sp.	186.57	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Aricidea (Acmira) sp. A Vittor	71.76	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Aricidea philbinae	157.87	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Aricidea sp.	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Autolytus sp.	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Autolytus sp. A Vittor	43.06	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Axiiothella sp.	487.96	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Bemlos sp.	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Bivalvia	Bivalvia (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Boccardiella sp. A Vittor	71.76	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Brachiopoda	Brachiopoda (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Gastropoda	Caecum pulchellum	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Decapoda	Caridea (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Cerapus sp.	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Cerapus sp. B Lecroy	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	cf. Axiiothella sp.	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	cf. Parapionosyllis floridana	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Decapoda	cf. Pinnotheridae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Platyhelminthes	cf. Turbellaria (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Chone sp.	71.76	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Colomastix ircinia	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Gastropoda	Columbellidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Bivalvia	Corbula sp.	71.76	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Corophiidae (LPIL)	114.82	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Gastropoda	Crepidula plana	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Cumacea	Cyclaspis sp.	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Decapoda	Decapoda (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Dipolydora socialis	344.45	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Decapoda	Ebalia cariosa	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Oligochaeta	Enchytraeidae (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Erichthonius brasiliensis	100.46	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Eteone heteropoda	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Eupolymnia sp.	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Exogone pseudolourei	157.87	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Exogone sp.	1894.45	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Isopoda	Exosphaeroma sp.	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Fabriciinae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Fabricinuda trilobata	1420.84	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Galathowenia oculata	918.52	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Gastropoda	Gastropoda (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Globosolembos smithi	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Glycera americana	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Glycinde solitaria	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Grubeosyllis cf. clavata	100.46	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Haplosyllis spongicola complex	4004.17	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Echinodermata	Holothuroidea (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Cnidaria	Hydridae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Cnidaria	Hydrozoa (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Iphimedia zora	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Leitoscoloplos sp.	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Tanaidacea	Leptocheliidae (LPIL)	215.28	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Leucothoe cf. spinicarpa complex Thomas	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Listriella sp.	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Lumbrineris sp.	229.63	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Lumbrineris verrilli	1105.09	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Bivalvia	Lyonsia hyalina floridana	71.76	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Decapoda	Majidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Maldanidae (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Mediomastus sp.	660.19	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Megalomma pigmentum	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Melitidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Metatiron triocellatus	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Metharpinia floridana	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Minuspio sp.	444.91	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Monocorophium sp.	344.45	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Monocorophium tuberculatum	172.22	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Monticellina dorsobranchialis	43.06	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Cumacea	Nannastacidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Nemertea	Nemertea (LPIL)	215.28	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Nereis micromma	100.46	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Nereis sp.	215.28	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Neries grayi	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Notaulax nudicollis	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Bivalvia	Nuculana acuta	143.52	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Odontosyllis enopla	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Oedicerotidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Onuphidae/Eunicidae (LPIL)	617.13	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Onuphis sp. A Vittor	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Echinodermata	Ophiuroidea (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Orbiniidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Cumacea	Oxyurostylis smithi	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Decapoda	Paguristes sp.	129.17	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Amphipoda	Paracaprella tenuis	43.06	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Paraonidae (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Gastropoda	Parvanachis obesa	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Decapoda	Petrolisthes sp.	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Decapoda	Pinnixa sp.	43.06	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Decapoda	Pinnotheridae (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Polychaeta (LPIL)	143.52	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polyplacophora	Polyplacophora (LPIL)	86.11	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Porifera	Porifera (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Prionospio cristata	459.26	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Tanaidacea	Pseudonototanaeis sp. B Heard	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Gastropoda	Rissoina cancellata	57.41	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Sabellaria floridensis	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Sabellaria sp. A Vittor	43.06	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Sabellinae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Cnidaria	Scleractinia (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Serpulidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Bivalvia	Sphaerium sp.	100.46	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Sphaerosyllis perkinsi	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Sphaerosyllis taylori	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Spionidae (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Streptosyllis pettiboneae	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Syllis gracilis	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Syllis sp.	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Bivalvia	Tagelus sp.	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Bivalvia	Tellina sp.	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Terebellidae (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Gastropoda	Thala floridana	86.11	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Polychaeta	Tharyx ocutus	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Bivalvia	Trachycardium egmontianum	43.06	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Oligochaeta	Tubificidae (LPIL)	86.11	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Gastropoda	Turbonilla conradi	14.35	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Isopoda	Uromunna reynoldsi	28.70	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Isopoda	Uromunna sp.	43.06	
Ponar Dredge	CFBC	CFBC-05	06-Dec-07	Decapoda	Xanthidae (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Isopoda	AMAKUSANTHURUS MAGNIFICA	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Mysida	AMERICAMYSIS SP.	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Amphipoda	AMERICHELIDIUM SP.	43.06	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Amphipoda	AMPELISCA SP.	330.09	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Amphipoda	AMPELISCA SP. C	43.06	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Amphipoda	AMPELISCA SP. D	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	AMPHICTEIS SP.	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	APHELOCHAETA SP.	330.09	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	ARICIDEA TAYLORI	43.06	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Bivalvia	BIVALVIA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Brachiopoda	BRACHIOPODA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Cephalochordata	BRANCHIOSTOMA SP	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Amphipoda	CERAPUS SP. C	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	CERATONEREIS IRRITABILIS	28.70	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Chaetognatha	CHAETOGNATHA (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	CHONE SP.	100.46	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	CIRRATULIDAE (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Bivalvia	CORBULA SWIFTIANA	57.41	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Gastropoda	CREPIDULA PLANA	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Cumacea	CUMELLA GARRITYI	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Cumacea	CYCLASPIS PLATYMERUS	43.06	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Cumacea	CYCLASPIS SP. C	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Decapoda	DECAPODA (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Decapoda	DECAPODA (MEGALOPA LARVAE)	43.06	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Oligochaeta	DURIDRILUS TARDUS	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Oligochaeta	ENCHYTRAEIDAE (LPIL)	71.76	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	EUNICIDAE (LPIL)	100.46	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	EUPOLYMNIA NEBULOSA	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	EXOGONE SP.	86.11	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	FABRICIINAE (LPIL)	114.82	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	FABRICINUDA TRILOBATA	186.57	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	GALATHOWENIA OCULATA	172.22	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Amphipoda	GLOBOSOLEMBOS SMITHI	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	GLYCERA SP.	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	GONIADIDES CAROLINAE	114.82	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Amphipoda	HORNELLIA SP.	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Cnidaria	HYDROZOA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	LANGERHANSIA SP. A	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	LEITOSCOLOPLOS FOLIOSUS	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Amphipoda	IISTRIELLA BARNARDI	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Decapoda	LUCIFER FAXON I	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	LUMBRINERIS SP.	301.39	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Bivalvia	LYONSIA HYALINA FLORIDANA	57.41	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	MEDIOMASTUS AMBISETA	215.28	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	MEDIOMASTUS CALIFORNIENSIS	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	MEDIOMASTUS SP.	100.46	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	MEGALOMMA PIGMENTUM	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Amphipoda	MELITIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	MICROSPPIO PIGMENTATA	57.41	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	MONTICELLINA DORSOBRANCHIALIS	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	MOOREONUPHIS SP.	86.11	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Gastropoda	NATICIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Nemertea	NEMERTEA (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Nemertea	NEMERTEA SP. A (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Nemertea	NEMERTEA SP. C (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	NEREIS MICROMMA	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Bivalvia	NUCULANA ACUTA	157.87	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Bivalvia	NUCULANA AEGEENSIS	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Echinodermata	OPHIUROIDEA (LPIL)	71.76	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Cumacea	OXYUROSSTYLIS SMITHI	86.11	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Decapoda	PAGURISTES SP.	71.76	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Sipuncula	PHASCOLION SP.	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Amphipoda	PHOTIS SP.	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Porifera	PORIFERA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	PRIONOSPPIO CRISTATA	1119.45	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	SCOLOPLOS RUBRA	43.06	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	SPHAEROSYLLIS ACICULATA	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	SPHAEROSYLLIS TAYLORI	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	SPIO PETTIBONEAE	57.41	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	STREPTOSYLLIS PETTIBONEAE	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Oligochaeta	TECTIDRILUS SP.	28.70	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Bivalvia	TELLINA SP.	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Bivalvia	TELLINIDAE (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Polychaeta	TEREBELLIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Amphipoda	TIBURONELLA VISCANA	14.35	
Ponar Dredge	CFBC	CFBC-06	11-Oct-07	Oligochaeta	TUBIFICIDAE (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Isopoda	Amakusanthura magnifica	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Isopoda	Amakusanthura signata	14.35	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Amphipoda	Ampelisca sp.	243.98	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Amphipoda	Amphipoda (LPIL)	114.82	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Echinodermata	Amphiuridae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Annelida	Annelida (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Amphipoda	Aoridae (LPIL)	186.57	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Amphipoda	Apocorophium sp.	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Aricidea (Acnira) cf. sp. A Vittor	86.11	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Aricidea sp.	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Armandia maculata	43.06	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Axiiothella sp.	71.76	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Amphipoda	Bemlos mackinneyi	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Decapoda	Brachyura (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Cephalochordata	Branchiostoma sp.	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Cephalochordata	Cephalochordata (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Bivalvia	cf. Lyonsia hyalina floridana	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Decapoda	cf. Pinnixa sp.	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Chaetozone sp.	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Chone sp.	114.82	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Cirrophorus sp.	43.06	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Clymenella torquata	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Bivalvia	Corbula sp.	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Cumacea	Cyclaspis platymerus	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Cumacea	Cyclaspis sp.	57.41	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Oligochaeta	Enchytraeidae (LPIL)	387.50	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Eupolymnia sp.	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Exogone sp.	157.87	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Fabricinuda trilobata	703.24	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Galathowenia oculata	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Brachiopoda	Glottidia sp.	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Goniadides carolinae	631.48	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Grubeosyllis sp.	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Oligochaeta	Heterodrilus sp.	43.06	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Amphipoda	Ischyroceridae (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Isolda pulchella	43.06	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Tanaidacea	Kalliapseudes macsweenyi	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Leitoscoloplos sp.	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Decapoda	Leptochela sp.	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Amphipoda	Listriella barnardi	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Lumbrineris verrilli	287.04	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Maldanidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Mediomastus sp.	258.33	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Megalomma pigmentum	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Minuspis sp.	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Monticellina dorsobranchialis	129.17	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Mooreonuphis sp.	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Nemertea	Nemertea (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Nereididae (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Nereis micromma	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Bivalvia	Nuculana sp.	86.11	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Gastropoda	Olivella perplexa	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Onuphidae/Eunicidae (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Echinodermata	Ophiuroidea (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Cumacea	Oxyurostylis sp.	43.06	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Decapoda	Paguristes sp.	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Paraonidae (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Phyllodocidae (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Decapoda	Pinnixa sp.	71.76	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Amphipoda	Platyschnopidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Platynereis dumerilii	57.41	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Prionospio cristata	932.87	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Pseudopotamilla sp.	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Sabellaria floridensis	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Sabellaria sp. A Vittor	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Scoloplos sp.	28.70	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Sphaerosyllis sp.	71.76	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Bivalvia	Sphenia antillensis	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Spio pettiboneae	86.11	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Spionidae (LPIL)	71.76	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Spiophanes sp.	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Streptosyllis pettiboneae	28.70	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Polychaeta	Syllidae (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Bivalvia	Tagelus sp.	71.76	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Oligochaeta	Tectidrilus sp.	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Bivalvia	Tellinidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Oligochaeta	Tubificidae (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Isopoda	Uromunna reynoldsi	14.35	
Ponar Dredge	CFBC	CFBC-06	06-Dec-07	Isopoda	Xenanthura brevitelson	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Cnidaria	ACTINIARIA (LPIL)	2554.63	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Decapoda	ALPHEIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Isopoda	AMAKUSANTHURA SIGNATA	272.69	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Mysida	AMERICAMYSIS SP.	28.70	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Amphipoda	AMPELISCA SP.	100.46	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	AMPHICTEIS SP.	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Amphipoda	AMPHIPODA (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Echinodermata	AMPHIURIDAE (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Amphipoda	AORIDAE (LPIL)	71.76	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	APHELOCHAETA SP.	100.46	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	ARICIDEA SUECICA	28.70	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	ARICIDEA TAYLORI	43.06	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	ARICIDEA WASSI	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	AXIOTHELLA SP.	28.70	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Amphipoda	BEMLOS SP.	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Bivalvia	BIVALVIA (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	BRANCHIOSYLLIS EXILIS	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	CERATONEREIS LONGICIRRATA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Isopoda	CF. AMAKUSANTHURA SP.	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Decapoda	CF. PINNOTHERIDAE (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	CF. PSEUDOPOTAMILLA SP.	57.41	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Chaetognatha	CHAETOGNATHA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	CHONE SP.	129.17	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Isopoda	CIROLANA PARVA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	CIRRATULIDAE (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	CIRROPHORUS CF. PERDIDOENSIS	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	CIRROPHORUS SP.	43.06	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Bivalvia	CRASSINELLA SP.	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Gastropoda	CREPIDULA PLANA	57.41	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Cumacea	CYCLASPIS UNICORNIS	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Cumacea	CYCLASPIS VARIANS	28.70	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Decapoda	DECAPODA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Decapoda	DECAPODA (MEGALOPA LARVAE)	43.06	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	DIOPATRA CUPREA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	DIPOLYDORA SP. A	287.04	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	DORVILLEA RUDOLPHI	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Oligochaeta	DURIDRILUS TARDUS	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Amphipoda	ELASMOPUS SP.	57.41	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Oligochaeta	ENCHYTRAEIDAE (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	EUPOLYMNIA NEBULOSA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	EUPOLYMNIA SP.	28.70	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	EXOgone ARENOSA	28.70	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	EXOgone LOUREI	315.74	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	EXOgone PSEUDOLOUREI	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	EXOgone SP.	258.33	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	FABRICINUDA TRILOBATA	71.76	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	GALATHOWENIA OCULATA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Amphipoda	GAMMARIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Bivalvia	GLYCYMERUS PECTINATA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	GONIADIDES CAROLINAE	86.11	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	HAPLOSULLIS SPONGICOLA COMPLEX	57.41	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	HESIONIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Cnidaria	HYDROZOA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Decapoda	HYPOCONCHA ARCUATA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	ISOLDA PULCHELLA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	LANGERHANSIA CORNUTA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	LANGERHANSIA SP. A	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	LEITOSCOLOPLOS FOLIOSUS	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	LEPIDONOTUS VARIABILIS	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Decapoda	LEPTOCHELA CARINATA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Tanaidacea	LEPTOCHELIA CF. LONGIMANA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Tanaidacea	LEPTOCHELIIDAE (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	LUMBRINERIS SP.	114.82	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	MACROCHAETA SP.	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	MAGELONA SP. I VITTOR	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	MALDANIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	MEDIOMASTUS AMBISETA	100.46	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	MEDIOMASTUS CALIFORNIENSIS	258.33	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	MEDIOMASTUS SP.	143.52	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	MEGALOMMA PIGMENTUM	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Amphipoda	MELITA SP.	86.11	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Amphipoda	MELITIDAE (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	MINUSPIO MULTIBRANCHIATA	387.50	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	MINUSPIO SP.	86.11	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	MONTICELLINA DORSOBRANCHIALIS	71.76	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Gastropoda	NATICIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Nemertea	NEMERTEA (LPIL)	143.52	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Nemertea	NEMERTEA SP. A (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Nemertea	NEMERTEA SP. C (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Nemertea	NEMERTEA SP. D (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	NEPHTYS PICTA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	NEREIDIDAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	NEREIS MICROMMA	28.70	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Bivalvia	NUCULA CRENULATA	86.11	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Bivalvia	NUCULANA ACUTA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Gastropoda	OLIVELLA PERPLEXA	43.06	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Echinodermata	OPHIUROIDEA (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Decapoda	PAGURISTES SP.	86.11	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	PARAMPHINOME SP. B VITTOR	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Sipuncula	PHASCOLION SP.	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	PISTA SP.	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	POECILOCHAETUS JOHNSONI	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polyplacophora	POLYPLACOPHORA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Porifera	PORIFERA (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	PRIONOSPION CRISTATA	1248.61	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Decapoda	PROCESSA SP.	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	SABELLIDAE (LPIL)	71.76	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	SABELLINAE (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Cnidaria	SCLERACTINIA (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	SCOLOPLOS RUBRA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Sipuncula	SIPUNCULA (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	SPHAEROSYLLIS ACICULATA	28.70	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	SPHAEROSYLLIS CF. BILOBATA	57.41	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	SPHAEROSYLLIS PIRIFEROPSIS	43.06	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	SPHAEROSYLLIS TAYLORI	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	STREBLOSOMA HARTMANAE	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	SYLLIS HYALINA	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	SYLLIS SP.	43.06	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Bivalvia	TELLINA SP.	28.70	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Bivalvia	TELLINIDAE (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	TEREBELLIDES CF. STROEMI	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Bivalvia	TRACHYCARDIUM EGMONTIANUM	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Oligochaeta	TUBIFICIDAE (LPIL)	71.76	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	TYPOSYLLIS SP.	14.35	
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Bivalvia	VENERIDAE (LPIL)	14.35	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-07	11-Oct-07	Polychaeta	XENOSYLLIS CF. SCABRA VITTOR	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Arachnida	Acariformes (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Cnidaria	Actiniaria (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Decapoda	Alpheidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Isopoda	Amakusanthura signata	272.69	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Amphipoda	Ampelisca sp.	157.87	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Amphipoda	Amphipoda (LPIL)	114.82	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Echinodermata	Amphiuridae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Cnidaria	Anthozoa (LPIL)	86.11	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Amphipoda	Aoridae (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Aphelocheata sp.	157.87	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Aplacophora	Aplacophora (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Aricidea (Acмира) sp. A Vittor	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Aricidea sp.	71.76	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Aricidea taylori	86.11	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Armandia maculata	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Autolytus sp.	71.76	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Axiiothella sp.	674.54	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	Bivalvia (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Cephalochordata	Branchiostoma sp.	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Branchiosyllis exilis	172.22	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Branchiosyllis oculata	602.78	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Gastropoda	Calyptrea centralis	114.82	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Caulieriella sp.	71.76	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	cf. Cardiidae (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Amphipoda	cf. Globosolembos smithi	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	cf. Macoma sp.	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Gastropoda	cf. Mangelia sp.	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	cf. Potamethus sp.	71.76	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Chaetognatha	Chaetognatha (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Chaetozone sp.	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	Chione grus	57.41	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Chone sp.	287.04	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Cirratulidae (LPIL)	129.17	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Cirrophorus sp.	143.52	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Amphipoda	Colomastix sp.	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	Corbula sp.	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	Crassinella sp.	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Cumacea	Cumacea (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Cumacea	Cyclaspis pustulata	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	Cyrenoidea floridana	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Decapoda	Decapoda (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Gastropoda	Dentimargo aureocinctus	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Decapoda	Diogenidae (LPIL)	71.76	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Dipolydora socialis	502.32	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Oligochaeta	Duridrilus tardus	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Decapoda	Ebalia cariosa	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Oligochaeta	Enchytraeidae (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Eteone heteropoda	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Eupolymnia sp.	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Exogone sp.	459.26	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Exogoninae (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Fabriciinae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Fabricinuda trilobata	143.52	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Galathowenia oculata	57.41	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Gastropoda	Gastropoda (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Goniadides carolinae	330.09	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Haplosyllis spongicola complex	1593.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Isopoda	Heteroserolis mgrayi	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Echinodermata	Holothuroidea (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Cnidaria	Hydrozoa (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Amphipoda	Laticorophium baconi	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Leitoscoloplos foliosus	57.41	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Leitoscoloplos sp.	14.35	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Amphipoda	Lembos unifasciatus	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Lepidonotus variabilis	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Amphipoda	Leucothoe spinicarpa complex Thomas	114.82	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Loimia medusa	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Lumbrineris sp.	272.69	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Lumbrineris verrilli	71.76	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	Lyonsia hyalina floridana	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Lysilla sp.	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Magelona sp. I Vittor	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Maldanidae (LPIL)	157.87	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Mediomastus ambiseta	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Mediomastus sp.	172.22	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Megalomma pigmentum	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Gastropoda	Melanella sp.	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Melinna sp.	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Amphipoda	Melitidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Minuspia delta	143.52	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Minuspia sp.	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Monticellina dorsobranchialis	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	Mytilidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Cumacea	Nannastacidae (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Nemertea	Nemertea (LPIL)	86.11	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Nemertea	Nemertea sp. A (LPIL)	86.11	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Nemertea	Nemertea sp. B (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Nereididae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Nereis micromma	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	Nucula crenulata	100.46	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	Nuculana sp.	330.09	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Gastropoda	Olivella perplexa	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Onuphidae (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Opheliidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Echinodermata	Ophiactis savignyi	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Echinodermata	Ophiotrichidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Opisthodonta sp. A Vittor	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Orbinidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Owenia fusciformis	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Gastropoda	Parvanachis obesa	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Pettiboneia blakei	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Pholoides dorsipapillatus	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Phyllodocidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Decapoda	Pilumnus sp.	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Amphipoda	Platyschnopidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Gastropoda	Pleurocera sp.	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Podarkeopsis levifuscina	71.76	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polyplacophora	Polyplacophora (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Prionospio cristata	588.43	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Proceraea sp.	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Tanaidacea	Pseudonototanaid sp.	71.76	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Tanaidacea	Pseudonototanaid sp. A Heard	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Sabellaria floridensis	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Sabellaria sp.	416.20	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Sabellinae (LPIL)	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Scoloplos rubra	57.41	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Sipuncula	Sipuncula (LPIL)	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	Sphaerium sp.	57.41	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Sphaerosyllis aciculata	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Sphaerosyllis sp.	114.82	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Spionidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Sthenelais sp. A Vittor	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Syllinae (LPIL)	57.41	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	Tagelus sp.	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	Tellina sp.	71.76	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Polychaeta	Terebellidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	Trachycardium egmontianum	14.35	

A-4 CFBC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Bivalvia	Transennella stimpsoni	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Gastropoda	Trochidae (LPIL)	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Oligochaeta	Tubificidae (LPIL)	401.85	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Oligochaeta	Tubificoides sp.	14.35	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Gastropoda	Turbonilla conradi	28.70	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Isopoda	Uromunna reynoldsi	43.06	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Gastropoda	Vermicularia knorrii	57.41	
Ponar Dredge	CFBC	CFBC-07	06-Dec-07	Decapoda	Xanthoidea (LPIL)	28.70	
Trawl	CFBC	CFBC-02	30-Oct-07	Blue Crab	Callinectes sapidus		1.0
Trawl	CFBC	CFBC-02	30-Oct-07	Brown shrimp	Farfantepenaeus aztecus		1.0
Trawl	CFBC	CFBC-03	31-Oct-07	Atlantic Brief Squid	Lolliguncula brevis		0.5
Trawl	CFBC	CFBC-04	31-Oct-07	Decorator Crab	Stenocionops furcata		1.0
Trawl	CFBC	CFBC-02	11-Dec-07	Blue Crab	Callinectes sapidus		1.0
Trawl	CFBC	CFBC-03	04-Dec-07	Atlantic Brief Squid	Lolliguncula brevis		4.0
Trawl	CFBC	CFBC-03	04-Dec-07	Brown shrimp	Farfantepenaeus aztecus		0.5
Trawl	CFBC	CFBC-04	04-Dec-07	Flat-clawed Hermit Crab	Pagurus pollicaris		0.5
Trawl	CFBC	CFBC-04	04-Dec-07	Long-clawed Hermit Crab	Pagurus longicarpus		2.0
Trawl	CFBC	CFBC-04	04-Dec-07	No Common Name	Pagurus annulipes		0.5
Trawl	CFBC	CFBC-04	10-Dec-07	Ragged Sea Hare	Bursatella leachii		0.5
Trawl	CFBC	CFBC-02	15-May-08	Blue Crab	Callinectes sapidus		2.5
Trawl	CFBC	CFBC-02	15-May-08	Jellyfish	Cyaneidae		1.5
Trawl	CFBC	CFBC-02	15-May-08	Mud crab	Panopeidae		1.0
Trawl	CFBC	CFBC-02	15-May-08	Pink shrimp	Farfantepenaeus duorarum		0.5
Trawl	CFBC	CFBC-03	14-May-08	Blue Crab	Callinectes sapidus		4.0
Trawl	CFBC	CFBC-03	14-May-08	Pink shrimp	Farfantepenaeus duorarum		2.0
Trawl	CFBC	CFBC-04	14-May-08	Pink shrimp	Farfantepenaeus duorarum		0.3
Trawl	CFBC	CFBC-01	25-Aug-08	No invertebrates			0.0
Trawl	CFBC	CFBC-03	26-Aug-08	Atlantic Brief Squid	Lolliguncula brevis		0.5
Trawl	CFBC	CFBC-04	26-Aug-08	Brown shrimp	Farfantepenaeus aztecus		0.5
Trawl	CFBC	CFBC-04	26-Aug-08	Mud crab	Panopeidae		3.5
Crab Trap	CFBC	CFBC-02	31-Oct-07	Blue Crab	Callinectes sapidus		1.1
Crab Trap	CFBC	CFBC-03	31-Oct-07	Blue Crab	Callinectes sapidus		1.3
Crab Trap	CFBC	CFBC-04	31-Oct-07	Blue Crab	Callinectes sapidus		0.3
Crab Trap	CFBC	CFBC-02	07-Dec-07	Blue Crab	Callinectes sapidus		0.3
Crab Trap	CFBC	CFBC-03	07-Dec-07	Blue Crab	Callinectes sapidus		0.7
Crab Trap	CFBC	CFBC-04	07-Dec-07	Blue Crab	Callinectes sapidus		0.8
Crab Trap	CFBC	CFBC-02	15-May-08	Blue Crab	Callinectes sapidus		0.5
Crab Trap	CFBC	CFBC-03	15-May-08	Blue Crab	Callinectes sapidus		1.1
Crab Trap	CFBC	CFBC-04	15-May-08	Blue Crab	Callinectes sapidus		0.2
Crab Trap	CFBC	CFBC-01	29-Aug-08	Blue crab	Callinectes sapidus		0.1
Crab Trap	CFBC	CFBC-02	29-Aug-08	Blue crab	Callinectes sapidus		0.6
Crab Trap	CFBC	CFBC-03	29-Aug-08	Blue crab	Callinectes sapidus		1.2
Crab Trap	CFBC	CFBC-04	29-Aug-08	Blue crab	Callinectes sapidus		0.0

A-5

CFBC Plankton Data

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-01	A	Day	October 18-19, 2007	1	Holoplankton	Chaetognatha			1.59
CFBC	CFBC-01	A	Day	October 18-19, 2007	1	Holoplankton	Copepoda			6.35
CFBC	CFBC-01	A	Day	October 18-19, 2007	1	Ichthyoplankton	Blenniidae		Yolk-sac larvae	1.59
CFBC	CFBC-01	A	Day	October 18-19, 2007	1	Meroplankton	Cirripedia			1.59
CFBC	CFBC-01	A	Day	October 18-19, 2007	1	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	58.74
CFBC	CFBC-01	A	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Hexapanopeus sp.	Zoea	4.76
CFBC	CFBC-01	A	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Rhithropanopeus harrisii	Zoea	581.04
CFBC	CFBC-01	A	Day	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Pinnixa sp.	Megalopae	3.18
CFBC	CFBC-01	A	Day	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Tumidotheres maculatus	Zoea	1.59
CFBC	CFBC-01	A	Day	October 18-19, 2007	1	Meroplankton	Sesamidae	Armases cinereum	Zoea	4.76
CFBC	CFBC-01	A	Day	October 18-19, 2007	1	Meroplankton	Sesamidae	Armases sp.	Zoea	4.76
CFBC	CFBC-01	A	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Isopoda			6.35
CFBC	CFBC-01	A	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Isopoda			4.76
CFBC	CFBC-01	B	Day	October 18-19, 2007	1	Holoplankton	Copepoda			5.09
CFBC	CFBC-01	B	Day	October 18-19, 2007	1	Holoplankton	Mysida			1.70
CFBC	CFBC-01	B	Day	October 18-19, 2007	1	Meroplankton	Cirripedia			1.70
CFBC	CFBC-01	B	Day	October 18-19, 2007	1	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	47.51
CFBC	CFBC-01	B	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Rhithropanopeus harrisii	Zoea	641.33
CFBC	CFBC-01	B	Day	October 18-19, 2007	1	Meroplankton	Panopeidae		Megalopae	1.70
CFBC	CFBC-01	B	Day	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Pinnixa cylindrica	Zoea	3.39
CFBC	CFBC-01	B	Day	October 18-19, 2007	1	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	1.70
CFBC	CFBC-01	B	Day	October 18-19, 2007	1	Meroplankton	Sesamidae	Armases sp.	Zoea	6.79
CFBC	CFBC-01	B	Day	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Zoea	1.70
CFBC	CFBC-01	B	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Isopoda			5.09
CFBC	CFBC-01	B	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Polychaeta			1.70
Sample not preserved in the field; could not process										
CFBC	CFBC-01	A	Night	October 18-19, 2007	1	Holoplankton	Copepoda			70.79
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Holoplankton	Mysida			26.97
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	657.34
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Ichthyoplankton	Gerreidae	Eucinostomus sp.	Post yolk-sac larvae	8.43
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	13.48
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	13.48
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Meroplankton	Caridea		Post-larval	10.11
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	43.82
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	6.74
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Meroplankton	Panopeidae		Zoea	370.81
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Meroplankton	Panopeidae		Megalopae	60.68
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Meroplankton	Portunidae		Juvenile	10.11
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Meroplankton	Unidentified crab		Zoea	20.23
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Meroplankton	Unidentified crab		Megalopae	10.11
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Zoea	13.48
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Amphipoda			5.06
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Branchiura			1.69
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Cumacea			10.11
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Meroplankton	Gastropoda			1.69
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Insecta		Larvae	3.37
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Isopoda			21.91
CFBC	CFBC-01	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Polychaeta			1.69
CFBC	CFBC-01	A	Day	December 7-8, 2007	2	Holoplankton	Copepoda			11.16
CFBC	CFBC-01	A	Day	December 7-8, 2007	2	Meroplankton	Cirripedia			9.57
CFBC	CFBC-01	A	Day	December 7-8, 2007	2	Holoplankton	Chaetognatha			1.59
CFBC	CFBC-01	A	Day	December 7-8, 2007	2	Meroplankton	Panopeidae		Zoea	1.59
CFBC	CFBC-01	B	Day	December 7-8, 2007	2	Holoplankton	Copepoda			19.81
CFBC	CFBC-01	B	Day	December 7-8, 2007	2	Meroplankton	Cirripedia			37.97
CFBC	CFBC-01	B	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Branchiura			1.65
CFBC	CFBC-01	A	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Polychaeta			1.76
CFBC	CFBC-01	A	Night	December 7-8, 2007	2	Holoplankton	Copepoda			734.88
CFBC	CFBC-01	A	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Amphipoda			14.06
CFBC	CFBC-01	A	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Isopoda			1.76
CFBC	CFBC-01	A	Night	December 7-8, 2007	2	Holoplankton	Mysida			1.76
CFBC	CFBC-01	A	Night	December 7-8, 2007	2	Holoplankton	Cladocera			22953.59
CFBC	CFBC-01	A	Night	December 7-8, 2007	2	Meroplankton	Cirripedia			35.16
CFBC	CFBC-01	A	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Cumacea			7.03
CFBC	CFBC-01	A	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Ostracoda			5.27
CFBC	CFBC-01	A	Night	December 7-8, 2007	2	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	1.76
CFBC	CFBC-01	A	Night	December 7-8, 2007	2	Meroplankton	Portunidae	Callinectes sp.	Juvenile	1.76
CFBC	CFBC-01	B	Night	December 7-8, 2007	2	Holoplankton	Copepoda			626.28
CFBC	CFBC-01	B	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Amphipoda			29.82
CFBC	CFBC-01	B	Night	December 7-8, 2007	2	Holoplankton	Mysida			149.11
CFBC	CFBC-01	B	Night	December 7-8, 2007	2	Holoplankton	Cladocera			8976.70
CFBC	CFBC-01	B	Night	December 7-8, 2007	2	Meroplankton	Cirripedia			59.65
CFBC	CFBC-01	B	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Cumacea			29.82
CFBC	CFBC-01	B	Night	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Adult	29.82
CFBC	CFBC-01	B	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Juvenile	3.73
CFBC	CFBC-01	B	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	1.86
CFBC	CFBC-01	A	Day	April 11, 2008	3	Holoplankton	Copepoda			442.66
CFBC	CFBC-01	A	Day	April 11, 2008	3	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	15.09
CFBC	CFBC-01	A	Day	April 11, 2008	3	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	3.35
CFBC	CFBC-01	A	Day	April 11, 2008	3	Ichthyoplankton	Clupeiformes		Yolk-sac larvae	6.71
CFBC	CFBC-01	A	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	41.92
CFBC	CFBC-01	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	1.68
CFBC	CFBC-01	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	3.35

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)	
CFBC	CFBC-01	A	Day	April 11, 2008	3	Ichthyoplankton	UnID (damaged)	N/A	1.68	
CFBC	CFBC-01	A	Day	April 11, 2008	3	Meroplankton	Cirripedia		43.59	
CFBC	CFBC-01	A	Day	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	16.77
CFBC	CFBC-01	A	Day	April 11, 2008	3	Meroplankton	Panopeidae		Zoea	503.02
CFBC	CFBC-01	A	Day	April 11, 2008	3	Pseudoplankton/ Benthos	Insecta			3.35
CFBC	CFBC-01	A	Day	April 11, 2008	3	Pseudoplankton/ Benthos	Isopoda			10.06
CFBC	CFBC-01	A	Day	April 11, 2008	3	Pseudoplankton/ Benthos	Nemata			3.35
CFBC	CFBC-01	B	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Egg	9.62
CFBC	CFBC-01	B	Day	April 11, 2008	3	Ichthyoplankton	UnID (damaged)		Egg	1.60
CFBC	CFBC-01	B	Day	April 11, 2008	3	Holoplankton	Copepoda			214.92
CFBC	CFBC-01	B	Day	April 11, 2008	3	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	9.62
CFBC	CFBC-01	B	Day	April 11, 2008	3	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	1.60
CFBC	CFBC-01	B	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	216.52
CFBC	CFBC-01	B	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Yolk-sac larvae	3.21
CFBC	CFBC-01	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	11.23
CFBC	CFBC-01	B	Day	April 11, 2008	3	Meroplankton	Cirripedia			436.25
CFBC	CFBC-01	B	Day	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	28.87
CFBC	CFBC-01	B	Day	April 11, 2008	3	Meroplankton	Panopeidae		Zoea	2713.71
CFBC	CFBC-01	B	Day	April 11, 2008	3	Pseudoplankton/ Benthos	Branchiura			3.21
CFBC	CFBC-01	A	Night	April 11, 2008	3	Holoplankton	Copepoda			51612.90
CFBC	CFBC-01	A	Night	April 11, 2008	3	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	57.68
CFBC	CFBC-01	A	Night	April 11, 2008	3	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	29.91
CFBC	CFBC-01	A	Night	April 11, 2008	3	Ichthyoplankton	Clupeiformes		N/A	76.91
CFBC	CFBC-01	A	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	636.62
CFBC	CFBC-01	A	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Yolk-sac larvae	12.82
CFBC	CFBC-01	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	2.14
CFBC	CFBC-01	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	2.14
CFBC	CFBC-01	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	34.18
CFBC	CFBC-01	A	Night	April 11, 2008	3	Meroplankton	Brachyura	Amases/Uca complex	Zoea	42.73
CFBC	CFBC-01	A	Night	April 11, 2008	3	Meroplankton	Brachyura	Amases/Uca complex	Megalopae	25.64
CFBC	CFBC-01	A	Night	April 11, 2008	3	Meroplankton	Cirripedia			1230.51
CFBC	CFBC-01	A	Night	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	384.53
CFBC	CFBC-01	A	Night	April 11, 2008	3	Meroplankton	Panopeidae		Zoea	4101.69
CFBC	CFBC-01	A	Night	April 11, 2008	3	Meroplankton	Panopeidae		Megalopae	42.73
CFBC	CFBC-01	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Insecta			68.36
CFBC	CFBC-01	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Amphipoda			478.53
CFBC	CFBC-01	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Collembola			410.17
CFBC	CFBC-01	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Cumacea			136.72
CFBC	CFBC-01	B	Night	April 11, 2008	3	Ichthyoplankton	Carangidae/ Haemulidae/ Labridae/ Sciaenidae egg complex		Egg	5.97
CFBC	CFBC-01	B	Night	April 11, 2008	3	Holoplankton	Copepoda			5377.15
CFBC	CFBC-01	B	Night	April 11, 2008	3	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	29.87
CFBC	CFBC-01	B	Night	April 11, 2008	3	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	53.77
CFBC	CFBC-01	B	Night	April 11, 2008	3	Ichthyoplankton	Clupeiformes		N/A	203.14
CFBC	CFBC-01	B	Night	April 11, 2008	3	Ichthyoplankton	Cyprinodontidae		Yolk-sac larvae	5.97
CFBC	CFBC-01	B	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	1129.20
CFBC	CFBC-01	B	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Yolk-sac larvae	47.80
CFBC	CFBC-01	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	23.90
CFBC	CFBC-01	B	Night	April 11, 2008	3	Meroplankton	Brachyura		Megalopae	11.95
CFBC	CFBC-01	B	Night	April 11, 2008	3	Meroplankton	Cirripedia			23.90
CFBC	CFBC-01	B	Night	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	47.80
CFBC	CFBC-01	B	Night	April 11, 2008	3	Meroplankton	Panopeidae		Zoea	2951.46
CFBC	CFBC-01	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Polychaeta			23.90
CFBC	CFBC-01	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Insecta			23.90
CFBC	CFBC-01	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Amphipoda			310.68
CFBC	CFBC-01	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Collembola			47.80
CFBC	CFBC-01	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Cumacea			47.80
CFBC	CFBC-01	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Isopoda			47.80
CFBC	CFBC-01	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Ostracoda			23.90
CFBC	CFBC-01	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Tanaidacea			47.80
CFBC	CFBC-01	A	Day	April 21-22, 2008	4	Ichthyoplankton	Atheriniformes		Post yolk-sac larvae	2.37
CFBC	CFBC-01	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	14.22
CFBC	CFBC-01	A	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Amases/Uca complex	Zoea	265.53
CFBC	CFBC-01	A	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Amases/Uca complex	Megalopae	37.93
CFBC	CFBC-01	A	Day	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	227.60
CFBC	CFBC-01	A	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		Zoea	5500.24
CFBC	CFBC-01	A	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		Megalopae	37.93
CFBC	CFBC-01	A	Day	April 21-22, 2008	4	Holoplankton	Copepoda			1782.84
CFBC	CFBC-01	A	Day	April 21-22, 2008	4	Meroplankton	Cirripedia			8990.04
CFBC	CFBC-01	A	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Amphipoda			75.87
CFBC	CFBC-01	A	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Isopoda			37.93
CFBC	CFBC-01	B	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Amases/Uca complex	Zoea	81.82
CFBC	CFBC-01	B	Day	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	16.36
CFBC	CFBC-01	B	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		Zoea	7608.92
CFBC	CFBC-01	B	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		Megalopae	32.73
CFBC	CFBC-01	B	Day	April 21-22, 2008	4	Holoplankton	Copepoda			1030.89
CFBC	CFBC-01	B	Day	April 21-22, 2008	4	Meroplankton	Cirripedia			4025.36
CFBC	CFBC-01	B	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Amphipoda			16.36
CFBC	CFBC-01	B	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Cumacea			16.36
CFBC	CFBC-01	B	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Isopoda			16.36
CFBC	CFBC-01	B	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Ostracoda			65.45
CFBC	CFBC-01	B	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Polychaeta			49.09
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	15.67
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	9.40

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	9.40
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	15.67
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	97.18
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	3.13
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	3.13
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Ichthyoplankton	UnID (fragment)			3.13
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	Zoea	175.55
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	3335.42
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	275.86
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Meroplankton	Panopeidae		Zoea	8050.16
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Holoplankton	Copepoda			2808.78
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Meroplankton	Cirripedia			18658.31
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Amphipoda			601.88
CFBC	CFBC-01	A	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Isopoda			200.63
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	22.97
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	4.05
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	21.62
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	1.35
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	1.35
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	14.86
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	1.35
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	91.89
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	4.05
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	2.70
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Ichthyoplankton	UnID (fragment)			4.05
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	Zoea	32.43
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	427.03
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	70.27
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Meroplankton	Panopeidae		Zoea	1556.76
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Meroplankton	Panopeidae		Megalopae	16.22
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Holoplankton	Chaetognatha			5.41
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Holoplankton	Copepoda			389.19
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Holoplankton	Mysida			5.41
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Meroplankton	Cirripedia			1427.03
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Chironomidae			5.41
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Collembola			5.41
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Amphipoda			32.43
CFBC	CFBC-01	B	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Isopoda			10.81
CFBC	CFBC-01	A	Day	May 7-8, 2008	5	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	15.68
CFBC	CFBC-01	A	Day	May 7-8, 2008	5	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	15.68
CFBC	CFBC-01	A	Day	May 7-8, 2008	5	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	15.68
CFBC	CFBC-01	A	Day	May 7-8, 2008	5	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	15.68
CFBC	CFBC-01	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	15.68
CFBC	CFBC-01	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	62.72
CFBC	CFBC-01	A	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Zoea	47.04
CFBC	CFBC-01	A	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	62.72
CFBC	CFBC-01	A	Day	May 7-8, 2008	5	Meroplankton	Panopeidae		Zoea	4923.56
CFBC	CFBC-01	A	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Amphipoda			15.68
CFBC	CFBC-01	A	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Isopoda			62.72
CFBC	CFBC-01	B	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	34.95
CFBC	CFBC-01	B	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Zoea	34.95
CFBC	CFBC-01	B	Day	May 7-8, 2008	5	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	69.90
CFBC	CFBC-01	B	Day	May 7-8, 2008	5	Meroplankton	Panopeidae		Zoea	11253.82
CFBC	CFBC-01	B	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Amphipoda			34.95
CFBC	CFBC-01	B	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Isopoda			139.80
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	9.87
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	3.29
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	9.87
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	128.25
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	3.29
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	29.60
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	6.58
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	157.84
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Meroplankton	Panopeidae		Zoea	13258.80
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Holoplankton	Copepoda			368.30
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Holoplankton	Mysida			157.84
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Amphipoda			1736.27
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Cumacea			52.61
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Ostracoda			52.61
CFBC	CFBC-01	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Tanaidacea			263.07
CFBC	CFBC-01	B	Night	May 7-8, 2008	5	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	38.63
CFBC	CFBC-01	B	Night	May 7-8, 2008	5	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	231.77
CFBC	CFBC-01	B	Night	May 7-8, 2008	5	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	502.17
CFBC	CFBC-01	B	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	38.63
CFBC	CFBC-01	B	Night	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Zoea	772.57
CFBC	CFBC-01	B	Night	May 7-8, 2008	5	Meroplankton	Panopeidae		Zoea	65359.73
CFBC	CFBC-01	B	Night	May 7-8, 2008	5	Meroplankton	Panopeidae		Megalopae	154.51
CFBC	CFBC-01	B	Night	May 7-8, 2008	5	Holoplankton	Copepoda			5562.53
CFBC	CFBC-01	B	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Amphipoda			154.51
CFBC	CFBC-01	B	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Isopoda			309.03
CFBC	CFBC-01	B	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Polychaeta			463.54
CFBC	CFBC-01	A	Day	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	3018.87
CFBC	CFBC-01	A	Day	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	57924.53
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.50

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)	
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Post yolk-sac larvae	13.48	
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Post yolk-sac larvae	1.50	
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Ichthyoplankton	Sciaenidae	Post yolk-sac larvae	1.50	
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Ichthyoplankton	UnID (fragment)		1.50	
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	311.56
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	11.98
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Meroplankton	Callinassidae	Callianassa sp.	Zoea	5.99
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	17.97
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	2899.94
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Holoplankton	Copepoda			29.96
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Holoplankton	Mysida			5.99
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Meroplankton	Cirripedia			1.50
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Meroplankton	Gastropoda			1.50
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Amphipoda			1.50
CFBC	CFBC-01	B	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Isopoda			5.99
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Ichthyoplankton	Achiridae	Achirus lineatus	Juvenile	1.45
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	1.45
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Ichthyoplankton	Clupeidae	Brevortia sp.	Post yolk-sac larvae	29.01
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	194.40
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiesocidae	Gobiosox strumosus	Post yolk-sac larvae	4.35
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	182.79
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	2.90
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	185.70
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	185.70
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	185.70
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	38996.08
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Megalopae	371.39
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Holoplankton	Copepoda			278.54
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Holoplankton	Mysida			139.27
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Meroplankton	Cirripedia			46.42
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Insecta			46.42
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Amphipoda			835.63
CFBC	CFBC-01	A	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Isopoda			46.42
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.79
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Ichthyoplankton	Clupeidae	Brevortia sp.	Post yolk-sac larvae	16.08
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	48.25
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	57.18
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	228.73
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	114.37
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	228.73
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	20872.05
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Megalopae	114.37
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Holoplankton	Copepoda			157.26
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Holoplankton	Mysida			14.30
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Meroplankton	Cirripedia			57.18
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Meroplankton	Gastropoda			14.30
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Amphipoda			42.89
CFBC	CFBC-01	B	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Isopoda			42.89
CFBC	CFBC-01	A	Day	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	80.53
CFBC	CFBC-01	A	Day	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	86.73
CFBC	CFBC-01	A	Day	June 4-5, 2008	7	Meroplankton	Panopeidae		Zoea	960.20
CFBC	CFBC-01	A	Day	June 4-5, 2008	7	Holoplankton	Copepoda			3.10
CFBC	CFBC-01	A	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Collembola			1.55
CFBC	CFBC-01	A	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda			1.55
CFBC	CFBC-01	A	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Isopoda			27.88
CFBC	CFBC-01	A	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Ostracoda			1.55
CFBC	CFBC-01	B	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1.42
CFBC	CFBC-01	B	Day	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	354.91
CFBC	CFBC-01	B	Day	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	2.84
CFBC	CFBC-01	B	Day	June 4-5, 2008	7	Meroplankton	Hippolytidae	Lysmata sp.	Zoea	2.84
CFBC	CFBC-01	B	Day	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	144.80
CFBC	CFBC-01	B	Day	June 4-5, 2008	7	Meroplankton	Panopeidae		Zoea	397.50
CFBC	CFBC-01	B	Day	June 4-5, 2008	7	Holoplankton	Copepoda			45.43
CFBC	CFBC-01	B	Day	June 4-5, 2008	7	Meroplankton	Cirripedia			7.10
CFBC	CFBC-01	B	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Collembola			1.42
CFBC	CFBC-01	B	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda			15.62
CFBC	CFBC-01	B	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Branchiura			1.42
CFBC	CFBC-01	B	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Isopoda			14.20
CFBC	CFBC-01	B	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Pycnogonida			1.42
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Ichthyoplankton	UnID (no embryo)		Egg	3.47
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	32.37
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Ichthyoplankton	Clupeidae	Brevortia sp.	Post yolk-sac larvae	9.25
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	286.67
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	13.87
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	152.58
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	28.90
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	4.62
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	64.73
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	15.03
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Meroplankton	Panopeidae		Zoea	32.37
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Meroplankton	Panopeidae		Megalopae	5.78
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Holoplankton	Copepoda			32.37
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Holoplankton	Mysida			11.56
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Meroplankton	Gastropoda			9.25

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda			34.68
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Isopoda			25.43
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Ostracoda			5.78
CFBC	CFBC-01	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Tanaidacea			2.31
CFBC	CFBC-01	B	Night	June 4-5, 2008	7	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	4.75
CFBC	CFBC-01	B	Night	June 4-5, 2008	7	Ichthyoplankton	Clupeidae	Brevortia sp.	Post yolk-sac larvae	20.57
CFBC	CFBC-01	B	Night	June 4-5, 2008	7	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	375.00
CFBC	CFBC-01	B	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	17.41
CFBC	CFBC-01	B	Night	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	42.72
CFBC	CFBC-01	B	Night	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	22.15
CFBC	CFBC-01	B	Night	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	6.33
CFBC	CFBC-01	B	Night	June 4-5, 2008	7	Meroplankton	Panopeidae		Zoea	23.73
CFBC	CFBC-01	B	Night	June 4-5, 2008	7	Meroplankton	Penaedidae	Farfantepenaeus sp.	Juvenile	1.58
CFBC	CFBC-01	B	Night	June 4-5, 2008	7	Holoplankton	Copepoda			80.70
CFBC	CFBC-01	B	Night	June 4-5, 2008	7	Holoplankton	Mysida			1.58
CFBC	CFBC-01	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda			3.16
CFBC	CFBC-01	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Isopoda			31.65
CFBC	CFBC-01	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Polychaeta			3.16
CFBC	CFBC-01	A	Day	June 20-21, 2008	8	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.06
CFBC	CFBC-01	A	Day	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	8.45
CFBC	CFBC-01	A	Day	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1.06
CFBC	CFBC-01	A	Day	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	1.06
CFBC	CFBC-01	A	Day	June 20-21, 2008	8	Meroplankton	Panopeidae		Zoea	107.80
CFBC	CFBC-01	A	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Isopoda			1.06
CFBC	CFBC-01	B	Day	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	33.73
CFBC	CFBC-01	B	Day	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	11.24
CFBC	CFBC-01	B	Day	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	1.25
CFBC	CFBC-01	B	Day	June 20-21, 2008	8	Meroplankton	Panopeidae		Zoea	319.84
CFBC	CFBC-01	B	Day	June 20-21, 2008	8	Holoplankton	Copepoda			2.50
CFBC	CFBC-01	B	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Branchiura			1.25
CFBC	CFBC-01	B	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Isopoda			19.99
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	1.31
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Ichthyoplankton	Clupeidae	Brevortia sp.	Post yolk-sac larvae	1.31
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	228.20
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	78.69
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1.31
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Meroplankton	Callinassidae	Callinassa sp.	Zoea	2.62
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	360.66
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Juvenile	5.25
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Meroplankton	Panopeidae		Zoea	241.31
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Holoplankton	Copepoda			154.75
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Meroplankton	Cirripedia			13.11
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Amphipoda			3.93
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Isopoda			30.16
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Polychaeta			10.49
CFBC	CFBC-01	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Tanaidacea			1.31
CFBC	CFBC-01	B	Night	June 20-21, 2008	8	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	3.21
CFBC	CFBC-01	B	Night	June 20-21, 2008	8	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	210.34
CFBC	CFBC-01	B	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	33.72
CFBC	CFBC-01	B	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	3.21
CFBC	CFBC-01	B	Night	June 20-21, 2008	8	Meroplankton	Callinassidae	Callinassa sp.	Zoea	3.21
CFBC	CFBC-01	B	Night	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	197.50
CFBC	CFBC-01	B	Night	June 20-21, 2008	8	Meroplankton	Panopeidae		Zoea	346.82
CFBC	CFBC-01	B	Night	June 20-21, 2008	8	Holoplankton	Copepoda			6.42
CFBC	CFBC-01	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Amphipoda			1.61
CFBC	CFBC-01	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Isopoda			83.49
CFBC	CFBC-01	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Polychaeta			17.66
CFBC	CFBC-01	A	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	166.20
CFBC	CFBC-01	A	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	13.85
CFBC	CFBC-01	A	Day	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	554.02
CFBC	CFBC-01	A	Day	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	1468.14
CFBC	CFBC-01	A	Day	July 21-22, 2008	9	Holoplankton	Copepoda			90.03
CFBC	CFBC-01	A	Day	July 21-22, 2008	9	Meroplankton	Cirripedia			408.59
CFBC	CFBC-01	A	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Amphipoda			13.85
CFBC	CFBC-01	B	Day	July 21-22, 2008	9	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	1.87
CFBC	CFBC-01	B	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	196.30
CFBC	CFBC-01	B	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	11.22
CFBC	CFBC-01	B	Day	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	394.47
CFBC	CFBC-01	B	Day	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	499.16
CFBC	CFBC-01	B	Day	July 21-22, 2008	9	Holoplankton	Copepoda			67.30
CFBC	CFBC-01	B	Day	July 21-22, 2008	9	Meroplankton	Cirripedia			140.21
CFBC	CFBC-01	B	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Amphipoda			3.74
CFBC	CFBC-01	B	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Isopoda			1.87
CFBC	CFBC-01	B	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Ostracoda			1.87
CFBC	CFBC-01	A	Night	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	4880.17
CFBC	CFBC-01	A	Night	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	1647.85
CFBC	CFBC-01	A	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	25731.83
CFBC	CFBC-01	A	Night	July 21-22, 2008	9	Holoplankton	Copepoda			126.76
CFBC	CFBC-01	A	Night	July 21-22, 2008	9	Holoplankton	Mysida			63.38
CFBC	CFBC-01	A	Night	July 21-22, 2008	9	Meroplankton	Cirripedia			1140.82
CFBC	CFBC-01	A	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Amphipoda			63.38
CFBC	CFBC-01	B	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	17.54
CFBC	CFBC-01	B	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	17.54
CFBC	CFBC-01	B	Night	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	1824.16

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-01	B	Night	July 21-22, 2008	9	Meroplankton	Brachyura	Amases/Sesarma/Uca complex	Megalopae	105.24
CFBC	CFBC-01	B	Night	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	596.36
CFBC	CFBC-01	B	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	10980.05
CFBC	CFBC-01	B	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Megalopae	35.08
CFBC	CFBC-01	B	Night	July 21-22, 2008	9	Holoplankton	Cladocera			17.54
CFBC	CFBC-01	B	Night	July 21-22, 2008	9	Holoplankton	Copepoda			473.58
CFBC	CFBC-01	B	Night	July 21-22, 2008	9	Meroplankton	Cirripedia			2087.26
CFBC	CFBC-01	A	Day	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	1383.23
CFBC	CFBC-01	A	Day	August 6-7, 2008	10	Meroplankton	Cirripedia			3.92
CFBC	CFBC-01	A	Day	August 6-7, 2008	10	Pseudoplankton/ Benthos	Collembola			1.96
CFBC	CFBC-01	A	Day	August 6-7, 2008	10	Pseudoplankton/ Benthos	Acari			3.92
CFBC	CFBC-01	A	Day	August 6-7, 2008	10	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	5.88
CFBC	CFBC-01	A	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	1.96
CFBC	CFBC-01	A	Day	August 6-7, 2008	10	Ichthyoplankton	UnID		Post yolk-sac larvae	1.96
CFBC	CFBC-01	A	Day	August 6-7, 2008	10	Ichthyoplankton	UnID		Yolk-sac larvae	3.92
CFBC	CFBC-01	A	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Amases/Sesarma/Uca complex	Zoea	129.31
CFBC	CFBC-01	A	Day	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	15.67
CFBC	CFBC-01	B	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1.72
CFBC	CFBC-01	B	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Amases/Sesarma/Uca complex	Zoea	46.40
CFBC	CFBC-01	B	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Amases/Sesarma/Uca complex	Megalopae	6.87
CFBC	CFBC-01	B	Day	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	91.08
CFBC	CFBC-01	B	Day	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	628.97
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.59
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	6.38
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	125.96
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	33.48
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	27.10
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Meroplankton	Brachyura	Amases/Sesarma/Uca complex	Zoea	1479.59
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Meroplankton	Brachyura	Amases/Sesarma/Uca complex	Megalopae	102.04
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Meroplankton	Callinassidae		Zoea	127.55
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	1607.14
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	51.02
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Adult	25.51
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	1811.22
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Meroplankton	Portunidae	Callinectes sp.	Juvenile	25.51
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Holoplankton	Copepoda			39.86
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Meroplankton	Bivalvia			4.78
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Meroplankton	Gastropoda			3.19
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Collembola			3.19
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Insecta			114.80
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Acari			6.38
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Amphipoda			6.38
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Isopoda			6.38
CFBC	CFBC-01	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Ostracoda			4.78
CFBC	CFBC-01	B	Night	August 6-7, 2008	10	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.93
CFBC	CFBC-01	B	Night	August 6-7, 2008	10	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	1.93
CFBC	CFBC-01	B	Night	August 6-7, 2008	10	Ichthyoplankton	Cyprinodontidae		Juvenile	1.93
CFBC	CFBC-01	B	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	152.66
CFBC	CFBC-01	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	40.58
CFBC	CFBC-01	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	57.97
CFBC	CFBC-01	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	5.80
CFBC	CFBC-01	B	Night	August 6-7, 2008	10	Meroplankton	Brachyura	Amases/Sesarma/Uca complex	Zoea	2504.35
CFBC	CFBC-01	B	Night	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	154.59
CFBC	CFBC-01	B	Night	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	5967.15
CFBC	CFBC-01	B	Night	August 6-7, 2008	10	Holoplankton	Copepoda			371.01
CFBC	CFBC-01	B	Night	August 6-7, 2008	10	Meroplankton	Cirripedia			30.92
CFBC	CFBC-01	A	Day	September 3-4, 2008	11	Meroplankton	Brachyura	Amases/Sesarma/Uca complex	Megalopae	5.54
CFBC	CFBC-01	A	Day	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	70.15
CFBC	CFBC-01	A	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Amphipoda			1.85
CFBC	CFBC-01	B	Day	September 3-4, 2008	11	Ichthyoplankton	Atherinopsidae	Menidia sp. A	Post yolk-sac larvae	1.87
CFBC	CFBC-01	B	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1.87
CFBC	CFBC-01	B	Day	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	141.84
CFBC	CFBC-01	B	Day	September 3-4, 2008	11	Meroplankton	Bivalvia			1.87
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.86
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Ichthyoplankton	Clupeidae	Brevoortia spp.	Post yolk-sac larvae	7.42
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	176.25
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	3.71
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1.86
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Meroplankton	Brachyura	Amases/Sesarma/Uca complex	Zoea	1.86
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Meroplankton	Brachyura	Amases/Sesarma/Uca complex	Megalopae	3.71
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Meroplankton	Diogenidae	Clibanarius spp.	Zoea	1.86
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Meroplankton	Palaemonidae	Palaemonetes spp.	Post-larval	1.86
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Meroplankton	Palaemonidae	Palaemonetes spp.	Adult	1.86
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	7.42
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Meroplankton	Penaidae	Farfantepenaeus duorarum	Juvenile	1.86
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Meroplankton	Portunidae	Callinectes sapidus	Juvenile	25.97
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Holoplankton	Chaetognatha			1.86
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Holoplankton	Copepoda			3.71
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Holoplankton	Mysida			1.86
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Meroplankton	Gastropoda			5.57
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Insecta			22.26
CFBC	CFBC-01	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Isopoda			9.28
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	5.99
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	195.53

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	3.99
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	7.98
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	3.99
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	11.97
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Meroplankton	Hippolytidae	Hippolyte spp.	Adult	2.00
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	3.99
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	2.00
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Megalopae	2.00
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Meroplankton	Pennaeidae		Juvenile	2.00
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Meroplankton	Portunidae	Callinectes spp.	Juvenile	37.91
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Holoplankton	Copepoda			45.89
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Holoplankton	Mysida			7.98
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Meroplankton	Cirripedia			2.00
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Meroplankton	Gastropoda			3.99
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Insecta			17.96
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Amphipoda			2.00
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Isopoda			3.99
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Ostracoda			17.96
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Polychaeta			3.99
CFBC	CFBC-01	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Tanaidacea			2.00
CFBC	CFBC-01	A	Day	September 15, 2008	12	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	3.70
CFBC	CFBC-01	A	Day	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	5.55
CFBC	CFBC-01	A	Day	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	20.34
CFBC	CFBC-01	A	Day	September 15, 2008	12	Meroplankton	Panopeidae		Zoea	164.57
CFBC	CFBC-01	A	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Isopoda			1.85
CFBC	CFBC-01	A	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Ostracoda			1.85
CFBC	CFBC-01	B	Day	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	9.30
CFBC	CFBC-01	B	Day	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	1.86
CFBC	CFBC-01	B	Day	September 15, 2008	12	Meroplankton	Panopeidae		Zoea	9.30
CFBC	CFBC-01	B	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Acari			1.86
CFBC	CFBC-01	A	Night	September 15, 2008	12	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.69
CFBC	CFBC-01	A	Night	September 15, 2008	12	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	545.15
CFBC	CFBC-01	A	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	3.38
CFBC	CFBC-01	A	Night	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.	Juvenile	1.69
CFBC	CFBC-01	A	Night	September 15, 2008	12	Meroplankton	Panopeidae		Zoea	6.75
CFBC	CFBC-01	A	Night	September 15, 2008	12	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	1.69
CFBC	CFBC-01	A	Night	September 15, 2008	12	Holoplankton	Copepoda			3.38
CFBC	CFBC-01	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Acari			1.69
CFBC	CFBC-01	B	Night	September 15, 2008	12	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	659.44
CFBC	CFBC-01	B	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	1.87
CFBC	CFBC-01	B	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1.87
CFBC	CFBC-01	B	Night	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes pugio	Adult	3.74
CFBC	CFBC-01	B	Night	September 15, 2008	12	Meroplankton	Panopeidae		Zoea	7.47
CFBC	CFBC-01	B	Night	September 15, 2008	12	Holoplankton	Copepoda			22.42
CFBC	CFBC-01	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Insecta			3.74
CFBC	CFBC-01	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Isopoda			3.74
CFBC	CFBC-01	A	Day	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	9.88
CFBC	CFBC-01	A	Day	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	4.94
CFBC	CFBC-01	A	Day	October 28, 2008	13	Holoplankton	Copepoda			1.65
CFBC	CFBC-01	A	Day	October 28, 2008	13	Meroplankton	Cirripedia			1.65
CFBC	CFBC-01	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Amphipoda			1.65
CFBC	CFBC-01	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Branchiura			1.65
CFBC	CFBC-01	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Isopoda			14.82
CFBC	CFBC-01	B	Day	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	3.39
CFBC	CFBC-01	A	Night	October 28, 2008	13	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	3.87
CFBC	CFBC-01	A	Night	October 28, 2008	13	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	237.73
CFBC	CFBC-01	A	Night	October 28, 2008	13	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	15.46
CFBC	CFBC-01	A	Night	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	1.93
CFBC	CFBC-01	A	Night	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	5.80
CFBC	CFBC-01	A	Night	October 28, 2008	13	Holoplankton	Copepoda			40.59
CFBC	CFBC-01	A	Night	October 28, 2008	13	Meroplankton	Bivalvia			5.80
CFBC	CFBC-01	A	Night	October 28, 2008	13	Meroplankton	Cirripedia			1.93
CFBC	CFBC-01	A	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Collembola			1.93
CFBC	CFBC-01	A	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Amphipoda			1.93
CFBC	CFBC-01	A	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Branchiura			1.93
CFBC	CFBC-01	A	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Isopoda			38.65
CFBC	CFBC-01	B	Night	October 28, 2008	13	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	222.50
CFBC	CFBC-01	B	Night	October 28, 2008	13	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	7.24
CFBC	CFBC-01	B	Night	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Post-larval	1.81
CFBC	CFBC-01	B	Night	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	1.81
CFBC	CFBC-01	B	Night	October 28, 2008	13	Meroplankton	Pennaeidae	Farfantepenaeus spp.	Juvenile	1.81
CFBC	CFBC-01	B	Night	October 28, 2008	13	Holoplankton	Copepoda			28.94
CFBC	CFBC-01	B	Night	October 28, 2008	13	Holoplankton	Mysida			1.81
CFBC	CFBC-01	B	Night	October 28, 2008	13	Meroplankton	Bivalvia			7.24
CFBC	CFBC-01	B	Night	October 28, 2008	13	Meroplankton	Cirripedia			18.09
CFBC	CFBC-01	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Collembola			5.43
CFBC	CFBC-01	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Insecta			7.24
CFBC	CFBC-01	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Amphipoda			1.81
CFBC	CFBC-01	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Ectoprocta			1.81
CFBC	CFBC-01	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Cumacea			1.81
CFBC	CFBC-01	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Isopoda			19.90
CFBC	CFBC-01	A	Day	November 13-14, 2008	14	Ichthyoplankton	Clupeidae		Egg	53.78
CFBC	CFBC-01	A	Day	November 13-14, 2008	14	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.85
CFBC	CFBC-01	A	Day	November 13-14, 2008	14	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	1.85

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-01	A	Day	November 13-14, 2008	14	Ichthyoplankton	Clupeidae		Yolk-sac larvae	248.52
CFBC	CFBC-01	A	Day	November 13-14, 2008	14	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	1.85
CFBC	CFBC-01	A	Day	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	1.85
CFBC	CFBC-01	A	Day	November 13-14, 2008	14	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	27.82
CFBC	CFBC-01	A	Day	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	272.63
CFBC	CFBC-01	A	Day	November 13-14, 2008	14	Holoplankton	Chaetognatha			237.39
CFBC	CFBC-01	A	Day	November 13-14, 2008	14	Holoplankton	Copepoda			8308.61
CFBC	CFBC-01	A	Day	November 13-14, 2008	14	Meroplankton	Bivalvia			3.71
CFBC	CFBC-01	A	Day	November 13-14, 2008	14	Meroplankton	Cirripedia			33471.81
CFBC	CFBC-01	A	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Polychaeta			237.39
CFBC	CFBC-01	B	Day	November 13-14, 2008	14	Ichthyoplankton	Clupeidae		Egg	18.03
CFBC	CFBC-01	B	Day	November 13-14, 2008	14	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.80
CFBC	CFBC-01	B	Day	November 13-14, 2008	14	Ichthyoplankton	Clupeidae		Yolk-sac larvae	232.60
CFBC	CFBC-01	B	Day	November 13-14, 2008	14	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	1.80
CFBC	CFBC-01	B	Day	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	7.21
CFBC	CFBC-01	B	Day	November 13-14, 2008	14	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	19.83
CFBC	CFBC-01	B	Day	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	423.73
CFBC	CFBC-01	B	Day	November 13-14, 2008	14	Holoplankton	Cladocera			7.21
CFBC	CFBC-01	B	Day	November 13-14, 2008	14	Holoplankton	Copepoda			3937.97
CFBC	CFBC-01	B	Day	November 13-14, 2008	14	Meroplankton	Cirripedia			8827.98
CFBC	CFBC-01	B	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Polychaeta			7.21
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Ichthyoplankton	Clupeidae		Egg	53.26
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Ichthyoplankton	UnID (damaged)		Egg	159.79
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Ichthyoplankton	UnID (no embryo)		Egg	3941.41
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	6.66
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Ichthyoplankton	Clupeidae		Yolk-sac larvae	905.46
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	66.58
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	6.66
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	53.26
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Meroplankton	Paguridae	Pagurus spp.	Zoea	6.66
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	33.29
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	645.81
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Meroplankton	Panopeidae		Megalopae	6.66
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Holoplankton	Copepoda			207509.99
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Meroplankton	Cirripedia			9374.17
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Amphipoda			426.10
CFBC	CFBC-01	A	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Polychaeta			852.20
CFBC	CFBC-01	B	Night	November 13-14, 2008	14	Ichthyoplankton	Clupeidae		Egg	277.83
CFBC	CFBC-01	B	Night	November 13-14, 2008	14	Ichthyoplankton	UnID (no embryo)		Egg	202.25
CFBC	CFBC-01	B	Night	November 13-14, 2008	14	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	4.09
CFBC	CFBC-01	B	Night	November 13-14, 2008	14	Ichthyoplankton	Clupeidae		Yolk-sac larvae	463.74
CFBC	CFBC-01	B	Night	November 13-14, 2008	14	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	10.21
CFBC	CFBC-01	B	Night	November 13-14, 2008	14	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	2.04
CFBC	CFBC-01	B	Night	November 13-14, 2008	14	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	4.09
CFBC	CFBC-01	B	Night	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	46.99
CFBC	CFBC-01	B	Night	November 13-14, 2008	14	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	12.26
CFBC	CFBC-01	B	Night	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	212.46
CFBC	CFBC-01	B	Night	November 13-14, 2008	14	Holoplankton	Copepoda			41903.98
CFBC	CFBC-01	B	Night	November 13-14, 2008	14	Meroplankton	Cirripedia			7321.76
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Holoplankton	Copepoda			22.85
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	3.51
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.76
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	3.51
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	1.76
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Adult	12.30
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Hexapanopeus sp.	Zoea	65.03
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Hexapanopeus sp.	Megalopae	1.76
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Rhithropanopeus harrisi	Zoea	866.43
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Meroplankton	Panopeidae		Megalopae	1.76
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Pinnixa sp.	Zoea	15.82
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Tumidotheres maculatus	Zoea	1.76
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	14.06
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Meroplankton	Sesamidae	Armases cinereum	Megalopae	8.79
CFBC	CFBC-02	A	Day	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Zoea	21.09
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Holoplankton	Copepoda			3.61
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.80
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	3.61
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	3.61
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Hippolytidae	Thor sp.	Zoea	5.41
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Adult	9.02
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	1.80
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	1.80
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Eurypanopeus depressus	Zoea	10.83
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Hexapanopeus angustifrons	Zoea	7.22
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Hexapanopeus angustifrons	Megalopae	1.80
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Panopeus sp.	Megalopae	5.41
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Rhithropanopeus harrisi	Zoea	483.67
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Pinnixa sp.	Zoea	23.46
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Tumidotheres maculatus	Zoea	1.80
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	7.22
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Sesamidae	Armases sp.	Zoea	1.80
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Sesamidae	Armases sp.	Megalopae	9.02
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Post-larval	19.85
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Amphipoda			1.80

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-02	B	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Isopoda			3.61
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Holoplankton	Copepoda			1977.32
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Holoplankton	Mysida			128.66
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	128.66
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Ichthyoplankton	Gerreidae	Eucinostomus sp.	Post yolk-sac larvae	11.85
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	6.77
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma sp.	Post yolk-sac larvae	1.69
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	1.69
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Brachyura	Armases/Uca complex	Zoea	3.39
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	13.54
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Cirripedia			6.77
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Latreutes sp.	Zoea	3.39
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Thor spp.	Zoea	10.16
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	10.16
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Adult	77.87
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	6.77
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Panopeidae		Zoea	1097.00
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Panopeidae		Megalopae	23.70
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Penaeidae	Farfantepenaeus sp.	Post-larval	10.16
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Pinnotheridae		Zoea	10.16
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	6.77
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Portunidae		Juvenile	3.39
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Amphipoda			27.09
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Cumacea			196.38
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Meroplankton	Gastropoda			6.77
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Isopoda			28.78
CFBC	CFBC-02	A	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Polychaeta			16.93
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Holoplankton	Copepoda			1741.47
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Holoplankton	Mysida			147.29
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	1.73
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.73
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	136.89
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Ichthyoplankton	Engraulidae	Anchoa sp.	Post yolk-sac larvae	8.66
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Ichthyoplankton	Gerreidae	Eucinostomus sp.	Post yolk-sac larvae	8.66
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	6.93
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma sp.	Post yolk-sac larvae	5.20
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Brachyura	Damaged	Megalopae	17.33
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Caridea		Zoea	19.06
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Caridea		Post-larval	1.73
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Cirripedia			24.26
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	5.20
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Thor sp.	Zoea	10.40
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	13.86
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Adult	93.57
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Ogyrididae	Ogyrides alphaerostis	Adult	1.73
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	10.40
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Panopeidae	Rhithropanopeus harrisii	Zoea	618.61
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Panopeidae		Zoea	121.30
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Panopeidae		Megalopae	19.06
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Pinnixa sp.	Zoea	6.93
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Tumidotheres maculatus	Zoea	5.20
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	1.73
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Sesamidae	Armases sp.	Zoea	1.73
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Post-larval	15.60
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Amphipoda			27.72
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Cumacea			318.84
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Meroplankton	Gastropoda			20.79
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Isopoda			19.06
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Oligochaeta			1.73
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Ostracoda			8.66
CFBC	CFBC-02	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Polychaeta			10.40
CFBC	CFBC-02	A	Day	December 7-8, 2007	2	Holoplankton	Copepoda			18.23
CFBC	CFBC-02	A	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Amphipoda			4.97
CFBC	CFBC-02	A	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Isopoda			9.94
CFBC	CFBC-02	A	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Chironomidae			1.66
CFBC	CFBC-02	A	Day	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Adult	33.14
CFBC	CFBC-02	A	Day	December 7-8, 2007	2	Meroplankton	Panopeidae		Zoea	13.26
CFBC	CFBC-02	A	Day	December 7-8, 2007	2	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	1.66
CFBC	CFBC-02	A	Day	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	1.66
CFBC	CFBC-02	A	Day	December 7-8, 2007	2	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	1.66
CFBC	CFBC-02	B	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Polychaeta			3.46
CFBC	CFBC-02	B	Day	December 7-8, 2007	2	Meroplankton	Gastropoda			3.46
CFBC	CFBC-02	B	Day	December 7-8, 2007	2	Holoplankton	Copepoda			133.08
CFBC	CFBC-02	B	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Amphipoda			3.46
CFBC	CFBC-02	B	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Isopoda			3.46
CFBC	CFBC-02	B	Day	December 7-8, 2007	2	Meroplankton	Cirripedia			15.55
CFBC	CFBC-02	B	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Branchiura			1.73
CFBC	CFBC-02	B	Day	December 7-8, 2007	2	Meroplankton	Tunicata			60.49
CFBC	CFBC-02	B	Day	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Adult	27.65
CFBC	CFBC-02	B	Day	December 7-8, 2007	2	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	1.73
CFBC	CFBC-02	B	Day	December 7-8, 2007	2	Meroplankton	Panopeidae	Rhithropanopeus harrisii	Zoea	32.84
CFBC	CFBC-02	B	Day	December 7-8, 2007	2	Meroplankton	Panopeidae	Panopeus sp.	Zoea	1.73
CFBC	CFBC-02	B	Day	December 7-8, 2007	2	Meroplankton	Hippolytidae	Thor sp.	Zoea	1.73
CFBC	CFBC-02	B	Day	December 7-8, 2007	2	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	1.73

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Polychaeta			329.90
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Holoplankton	Copepoda			1924.40
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Amphipoda			82.47
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Holoplankton	Mysida			219.93
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Holoplankton	Cladocera			1429.55
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Meroplankton	Cirripedia			137.46
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Cumacea			3903.78
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Meroplankton	Bivalvia			27.49
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Meroplankton	Panopeidae		Zoea	37.80
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Meroplankton	Ogyrididae	Ogyrides sp.	Adult	72.16
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Adult	3.44
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Meroplankton	Caridea		Adult	6.87
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Meroplankton	Portunidae		Juvenile	1.72
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	1.72
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Meroplankton	Brachyura		Megalopae	1.72
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	1.72
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Juvenile	8.59
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	17.18
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Ichthyoplankton	Congridae		Juvenile	1.72
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Ichthyoplankton	Gerreidae	Eucinostomus sp.	Post yolk-sac larvae	1.72
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Ichthyoplankton	Blenniidae		Yolk-sac larvae	15.46
CFBC	CFBC-02	A	Night	December 7-8, 2007	2	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	1.72
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Polychaeta			194.76
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Holoplankton	Copepoda			5243.45
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Amphipoda			119.85
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Isopoda			14.98
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Holoplankton	Mysida			569.29
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Holoplankton	Cladocera			89.89
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Cumacea			2846.44
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Meroplankton	Cirripedia			149.81
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Adult	33.71
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Meroplankton	Panopeidae		Zoea	39.33
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Meroplankton	Hippolytidae	Thor sp.	Zoea	3.75
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Meroplankton	Ogyrididae	Ogyrides alphaerostris	Adult	59.93
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Juvenile	26.22
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	14.98
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Ichthyoplankton	Gobiidae	Microgobius gulosus	Juvenile	1.87
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	18.73
CFBC	CFBC-02	B	Night	December 7-8, 2007	2	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	1.87
CFBC	CFBC-02	A	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Egg	2821.06
CFBC	CFBC-02	A	Day	April 11, 2008	3	Holoplankton	Copepoda			1874.62
CFBC	CFBC-02	A	Day	April 11, 2008	3	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	27.39
CFBC	CFBC-02	A	Day	April 11, 2008	3	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	15.22
CFBC	CFBC-02	A	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	538.65
CFBC	CFBC-02	A	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Yolk-sac larvae	24.35
CFBC	CFBC-02	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	15.22
CFBC	CFBC-02	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	629.95
CFBC	CFBC-02	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	63.91
CFBC	CFBC-02	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	12.17
CFBC	CFBC-02	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	88.25
CFBC	CFBC-02	A	Day	April 11, 2008	3	Ichthyoplankton	Sparidae		Post yolk-sac larvae	3.04
CFBC	CFBC-02	A	Day	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Zoea	73.04
CFBC	CFBC-02	A	Day	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	24.35
CFBC	CFBC-02	A	Day	April 11, 2008	3	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	2069.39
CFBC	CFBC-02	A	Day	April 11, 2008	3	Meroplankton	Cirripedia			24.35
CFBC	CFBC-02	A	Day	April 11, 2008	3	Pseudoplankton/ Benthos	Collembola			24.35
CFBC	CFBC-02	A	Day	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes paludosus	Juvenile	24.35
CFBC	CFBC-02	A	Day	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	194.77
CFBC	CFBC-02	A	Day	April 11, 2008	3	Meroplankton	Panopeidae		Zoea	10176.51
CFBC	CFBC-02	A	Day	April 11, 2008	3	Meroplankton	UnID Caridea		Zoea	97.38
CFBC	CFBC-02	A	Day	April 11, 2008	3	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	24.35
CFBC	CFBC-02	A	Day	April 11, 2008	3	Pseudoplankton/ Benthos	Amphipoda			146.07
CFBC	CFBC-02	A	Day	April 11, 2008	3	Pseudoplankton/ Benthos	Isopoda			24.35
CFBC	CFBC-02	B	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Egg	3595.11
CFBC	CFBC-02	B	Day	April 11, 2008	3	Ichthyoplankton	UnID (damaged)		Egg	41.88
CFBC	CFBC-02	B	Day	April 11, 2008	3	Holoplankton	Chaetognatha			27.92
CFBC	CFBC-02	B	Day	April 11, 2008	3	Holoplankton	Cnidaria			27.92
CFBC	CFBC-02	B	Day	April 11, 2008	3	Holoplankton	Copepoda			3713.79
CFBC	CFBC-02	B	Day	April 11, 2008	3	Ichthyoplankton	Atherinopsidae	Menidia sp.	Yolk-sac larvae	20.94
CFBC	CFBC-02	B	Day	April 11, 2008	3	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	6.98
CFBC	CFBC-02	B	Day	April 11, 2008	3	Ichthyoplankton	Blenniidae		Yolk-sac larvae	6.98
CFBC	CFBC-02	B	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	495.64
CFBC	CFBC-02	B	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Yolk-sac larvae	55.85
CFBC	CFBC-02	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	27.92
CFBC	CFBC-02	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	76.79
CFBC	CFBC-02	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	265.27
CFBC	CFBC-02	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	27.92
CFBC	CFBC-02	B	Day	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Zoea	27.92
CFBC	CFBC-02	B	Day	April 11, 2008	3	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1396.16
CFBC	CFBC-02	B	Day	April 11, 2008	3	Meroplankton	Cirripedia			83.77
CFBC	CFBC-02	B	Day	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	139.62
CFBC	CFBC-02	B	Day	April 11, 2008	3	Meroplankton	Panopeidae		Zoea	8544.50
CFBC	CFBC-02	B	Day	April 11, 2008	3	Pseudoplankton/ Benthos	Polychaeta			27.92
CFBC	CFBC-02	B	Day	April 11, 2008	3	Pseudoplankton/ Benthos	Amphipoda			55.85

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-02	B	Day	April 11, 2008	3	Pseudoplankton/ Benthos	Isopoda			27.92
CFBC	CFBC-02	A	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Egg	2.23
CFBC	CFBC-02	A	Night	April 11, 2008	3	Holoplankton	Copepoda			41593.59
CFBC	CFBC-02	A	Night	April 11, 2008	3	Holoplankton	Mysida			71.22
CFBC	CFBC-02	A	Night	April 11, 2008	3	Ichthyoplankton	Elopidae		Post yolk-sac larvae	8.90
CFBC	CFBC-02	A	Night	April 11, 2008	3	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	26.71
CFBC	CFBC-02	A	Night	April 11, 2008	3	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	8.90
CFBC	CFBC-02	A	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	53.42
CFBC	CFBC-02	A	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Yolk-sac larvae	62.32
CFBC	CFBC-02	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	8.90
CFBC	CFBC-02	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	124.64
CFBC	CFBC-02	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	26.71
CFBC	CFBC-02	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	44.51
CFBC	CFBC-02	A	Night	April 11, 2008	3	Ichthyoplankton	Mullidae		Post yolk-sac larvae	8.90
CFBC	CFBC-02	A	Night	April 11, 2008	3	Ichthyoplankton	Ophichthidae	Myrophis punctatus	Juvenile	8.90
CFBC	CFBC-02	A	Night	April 11, 2008	3	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	26.71
CFBC	CFBC-02	A	Night	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Zoea	8.90
CFBC	CFBC-02	A	Night	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	160.25
CFBC	CFBC-02	A	Night	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	44.51
CFBC	CFBC-02	A	Night	April 11, 2008	3	Meroplankton	Panopeidae		Zoea	1068.33
CFBC	CFBC-02	A	Night	April 11, 2008	3	Meroplankton	Panopeidae		Megalopae	169.15
CFBC	CFBC-02	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Polychaeta			71.22
CFBC	CFBC-02	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Amphipoda			249.28
CFBC	CFBC-02	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Cumacea			1317.61
CFBC	CFBC-02	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Tanaidacea			106.83
CFBC	CFBC-02	B	Night	April 11, 2008	3	Holoplankton	Copepoda			46175.02
CFBC	CFBC-02	B	Night	April 11, 2008	3	Holoplankton	Mysida			78.66
CFBC	CFBC-02	B	Night	April 11, 2008	3	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	9.83
CFBC	CFBC-02	B	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Juvenile	4.92
CFBC	CFBC-02	B	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	54.08
CFBC	CFBC-02	B	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Yolk-sac larvae	83.58
CFBC	CFBC-02	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	24.58
CFBC	CFBC-02	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	4.92
CFBC	CFBC-02	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	103.24
CFBC	CFBC-02	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	4.92
CFBC	CFBC-02	B	Night	April 11, 2008	3	Ichthyoplankton	Mullidae		Juvenile	9.83
CFBC	CFBC-02	B	Night	April 11, 2008	3	Ichthyoplankton	Ophichthidae	Myrophis punctatus	Juvenile	4.92
CFBC	CFBC-02	B	Night	April 11, 2008	3	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	29.50
CFBC	CFBC-02	B	Night	April 11, 2008	3	Ichthyoplankton	Sparidae		Post yolk-sac larvae	9.83
CFBC	CFBC-02	B	Night	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	216.32
CFBC	CFBC-02	B	Night	April 11, 2008	3	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	59.00
CFBC	CFBC-02	B	Night	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes paludosus	Juvenile	9.83
CFBC	CFBC-02	B	Night	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	49.16
CFBC	CFBC-02	B	Night	April 11, 2008	3	Meroplankton	Panopeidae		Zoea	1799.41
CFBC	CFBC-02	B	Night	April 11, 2008	3	Meroplankton	Panopeidae		Megalopae	275.32
CFBC	CFBC-02	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Amphipoda			157.33
CFBC	CFBC-02	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Branchiura			39.33
CFBC	CFBC-02	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Collembola			275.32
CFBC	CFBC-02	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Cumacea			1612.59
CFBC	CFBC-02	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Isopoda			39.33
CFBC	CFBC-02	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Ostracoda			39.33
CFBC	CFBC-02	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Tanaidacea			196.66
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Egg	21.42
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Ichthyoplankton	UnID (damaged)		Egg	3.78
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Ichthyoplankton	UnID (no embryo)		Egg	74.34
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	2.52
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.26
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Ichthyoplankton	Clupeiformes		Post yolk-sac larvae	1.26
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	10.08
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	12.60
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	5.04
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	3.78
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Ichthyoplankton	Syngnathidae	Syngnathus louisianae	Juvenile	1.26
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	Zoea	20.16
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	20.16
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	50.40
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	10.08
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		Zoea	4808.47
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Meroplankton	Pinnotheridae		Zoea	10.08
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Meroplankton	Unidentified shrimp		Zoea	20.16
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	20.16
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Holoplankton	Copepoda			262.10
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Meroplankton	Cirripedia			181.45
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Collembola			5.04
CFBC	CFBC-02	A	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Amphipoda			50.40
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Egg	34.10
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Ichthyoplankton	UnID (damaged)		Egg	13.34
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Ichthyoplankton	UnID		Egg	145.29
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	1.48
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Ichthyoplankton	Belontiidae	Strongylura sp.	Post yolk-sac larvae	1.48
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	2.97
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	48.93
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	11.86
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	4.45

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae	Post yolk-sac larvae	2.97
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	11.86
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	11.86
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Meroplankton	Caridea	Periclimenes/Thor complex	47.44
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	23.72
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		5835.43
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		11.86
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Meroplankton	Pinnotheridae		11.86
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Meroplankton	Unidentified shrimp		11.86
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Holoplankton	Copepoda		628.61
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Meroplankton	Cirripedia		373.61
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Amphipoda		53.37
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Cumacea		5.93
CFBC	CFBC-02	B	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Isopoda		5.93
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Ichthyoplankton	Blenniidae		12.79
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Ichthyoplankton	Clupeidae		19.18
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Ichthyoplankton	Clupeidae	Brevoortia sp.	19.18
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Ichthyoplankton	Clupeidae	Brevoortia sp.	6.39
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		6.39
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae	Anchoa mitchilli	370.90
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae		185.45
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Bathygobius soporator	12.79
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma bosc	198.24
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	12.79
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	6.39
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	25.58
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	2506.79
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	51.16
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Meroplankton	Panopeidae		2378.90
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Meroplankton	Panopeidae		76.74
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Meroplankton	Upogebiidae	Upogebia affinis	76.74
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Holoplankton	Copepoda		10180.66
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Holoplankton	Mysida		230.22
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Meroplankton	Cirripedia		2557.95
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Meroplankton	Gastropoda		102.32
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Amphipoda		486.01
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Cumacea		3734.61
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Isopoda		25.58
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Ostracoda		51.16
CFBC	CFBC-02	A	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Tanaidacea		25.58
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae	Egg	6.27
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		6.27
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae	Anchoa mitchilli	300.89
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae		570.44
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Bathygobius soporator	6.27
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Ichthyoplankton	UnID (fragment)		18.81
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	50.15
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	2206.55
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	100.30
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Meroplankton	Panopeidae		4914.59
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Meroplankton	Panopeidae		150.45
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Holoplankton	Copepoda		12687.67
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Holoplankton	Mysida		150.45
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Meroplankton	Cirripedia		4463.25
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Meroplankton	Gastropoda		150.45
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Amphipoda		351.04
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Cumacea		2056.10
CFBC	CFBC-02	B	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Tanaidacea		50.15
CFBC	CFBC-02	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Post yolk-sac larvae	594.55
CFBC	CFBC-02	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Gobiosoma bosc	660.61
CFBC	CFBC-02	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Microgobius thalassinus	66.06
CFBC	CFBC-02	A	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	264.24
CFBC	CFBC-02	A	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	1849.71
CFBC	CFBC-02	A	Day	May 7-8, 2008	5	Meroplankton	Caridea	Periclimenes/Thor complex	132.12
CFBC	CFBC-02	A	Day	May 7-8, 2008	5	Meroplankton	Panopeidae		24310.49
CFBC	CFBC-02	A	Day	May 7-8, 2008	5	Holoplankton	Copepoda		330.31
CFBC	CFBC-02	A	Day	May 7-8, 2008	5	Meroplankton	Gastropoda		330.31
CFBC	CFBC-02	A	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Polychaeta		66.06
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Ichthyoplankton	Achiridae	Achirus lineatus	32.56
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae		618.64
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Gobiosoma bosc	227.92
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Microgobius thalassinus	32.56
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	260.48
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	520.96
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Meroplankton	Caridea	Periclimenes/Thor complex	195.36
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Meroplankton	Palaemonidae	Palaemonetes sp.	65.12
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Meroplankton	Panopeidae		18103.38
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Meroplankton	Unidentified shrimp		195.36
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Holoplankton	Copepoda		97.68
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Meroplankton	Gastropoda		325.60
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Collembola		32.56
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Amphipoda		32.56
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Cumacea		32.56
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Isopoda		65.12

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)	
CFBC	CFBC-02	B	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Ostracoda		65.12	
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	23.44
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	14.06
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	18.75
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	562.59
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	28.13
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	215.66
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	487.58
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	4.69
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Zoea	75.01
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	637.60
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	337.55
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Meroplankton	Panopeidae		Zoea	7276.14
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Meroplankton	Panopeidae		Megalopae	75.01
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Meroplankton	Upogebidae	Upogebia affinis	Post-larval	37.51
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Holoplankton	Copepoda			1387.72
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Holoplankton	Mysida			975.15
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Meroplankton	Cirripedia			112.52
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Amphipoda			1125.18
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Cumacea			150.02
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Isopoda			150.02
CFBC	CFBC-02	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Tanaidacea			75.01
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	156.07
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	62.43
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	93.64
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	1435.82
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Zoea	156.07
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	749.12
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	249.71
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Meroplankton	Panopeidae		Zoea	12984.78
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Meroplankton	Panopeidae		Megalopae	187.28
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Holoplankton	Copepoda			1997.66
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Holoplankton	Mysida			967.62
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Amphipoda			811.55
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Cumacea			31.21
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Isopoda			62.43
CFBC	CFBC-02	B	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Tanaidacea			312.13
CFBC	CFBC-02	A	Day	May 22-23, 2008	6	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	1.29
CFBC	CFBC-02	A	Day	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	19.29
CFBC	CFBC-02	A	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	5.14
CFBC	CFBC-02	A	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	20.58
CFBC	CFBC-02	A	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	9.00
CFBC	CFBC-02	A	Day	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	41.16
CFBC	CFBC-02	A	Day	May 22-23, 2008	6	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	164.63
CFBC	CFBC-02	A	Day	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	9136.98
CFBC	CFBC-02	A	Day	May 22-23, 2008	6	Holoplankton	Copepoda			946.62
CFBC	CFBC-02	A	Day	May 22-23, 2008	6	Meroplankton	Cirripedia			46.30
CFBC	CFBC-02	A	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Collembola			10.29
CFBC	CFBC-02	A	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Amphipoda			10.29
CFBC	CFBC-02	A	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Isopoda			41.16
CFBC	CFBC-02	B	Day	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	22.17
CFBC	CFBC-02	B	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	5.54
CFBC	CFBC-02	B	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	11.08
CFBC	CFBC-02	B	Day	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	44.33
CFBC	CFBC-02	B	Day	May 22-23, 2008	6	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	66.50
CFBC	CFBC-02	B	Day	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	4876.70
CFBC	CFBC-02	B	Day	May 22-23, 2008	6	Meroplankton	Panopeidae		Megalopae	22.17
CFBC	CFBC-02	B	Day	May 22-23, 2008	6	Holoplankton	Copepoda			72.04
CFBC	CFBC-02	B	Day	May 22-23, 2008	6	Meroplankton	Gastropoda			11.08
CFBC	CFBC-02	B	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Amphipoda			60.96
CFBC	CFBC-02	B	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Isopoda			11.08
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	8.60
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	6.88
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	6.88
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	18.93
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	5.16
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	225.43
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	1.72
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	182.41
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	3.44
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	120.46
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	1.72
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Ichthyoplankton	Perciformes		Post yolk-sac larvae	8.60
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	25.81
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Ichthyoplankton	Synodontidae		Post yolk-sac larvae	1.72
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	881.09
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	881.09
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	1762.18
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	311905.01
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Megalopae	5286.53
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Holoplankton	Copepoda			24229.91
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Holoplankton	Mysida			2202.72
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Meroplankton	Cirripedia			660.82
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Amphipoda			3083.81

A-5 CFBC Plankton Data

		Replic	Day or						Developmental	Density (#/100
Site	Station	ate	Night	Date		Plankton Type	Taxon	Genus Species	Stage	cubic meters)
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Cumacea			1541.90
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Isopoda			220.27
CFBC	CFBC-02	A	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Ostracoda			440.54
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	2.83
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	11.32
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	8.49
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	7.08
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	209.48
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiesocidae	Gobiosox strumosus	Post yolk-sac larvae	1.42
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	89.17
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	21.23
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	83.51
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Ichthyoplankton	Perciformes		Post yolk-sac larvae	1.42
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	18.40
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	1.42
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	2536.45
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	71020.52
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Megalopae	2898.80
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Holoplankton	Copepoda			11142.25
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Holoplankton	Mysida			1177.64
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Meroplankton	Cirripedia			1177.64
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Meroplankton	Gastropoda			90.59
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Amphipoda			724.70
CFBC	CFBC-02	B	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Cumacea			90.59
CFBC	CFBC-02	A	Day	June 4-5, 2008	7	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	5.29
CFBC	CFBC-02	A	Day	June 4-5, 2008	7	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	100.42
CFBC	CFBC-02	A	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	10.57
CFBC	CFBC-02	A	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	10.57
CFBC	CFBC-02	A	Day	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	116.28
CFBC	CFBC-02	A	Day	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	21.14
CFBC	CFBC-02	A	Day	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	42.28
CFBC	CFBC-02	A	Day	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	74.00
CFBC	CFBC-02	A	Day	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	31.71
CFBC	CFBC-02	A	Day	June 4-5, 2008	7	Meroplankton	Panopeidae		Zoea	3520.08
CFBC	CFBC-02	A	Day	June 4-5, 2008	7	Holoplankton	Copepoda			137.42
CFBC	CFBC-02	A	Day	June 4-5, 2008	7	Meroplankton	Cirripedia			459.83
CFBC	CFBC-02	A	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda			26.43
CFBC	CFBC-02	A	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Isopoda			31.71
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	7.12
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	14.25
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	14.25
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	56.99
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	28.50
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	163.85
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Meroplankton	Panopeidae		Zoea	2714.16
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Meroplankton	Unidentified shrimp		Zoea	21.37
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Holoplankton	Copepoda			28.50
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Meroplankton	Cirripedia			56.99
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Meroplankton	Gastropoda			7.12
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Collembola			7.12
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda			14.25
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Isopoda			14.25
CFBC	CFBC-02	B	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Ostracoda			7.12
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	132.07
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Ichthyoplankton	Cynoglossidae	Symphurus plagiosa	Post yolk-sac larvae	528.27
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	660.34
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	132.07
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1056.54
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae		Yolk-sac larvae	132.07
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	1188.61
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	132.07
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Ichthyoplankton	Syngnathidae	Syngnathus scovelli	Post yolk-sac larvae	132.07
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	528.27
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	132.07
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	264.14
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Meroplankton	Panopeidae		Zoea	9112.67
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Meroplankton	Panopeidae		Megalopae	1056.54
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	660.34
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Meroplankton	Pinnotheridae		Megalopae	132.07
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Meroplankton	Porcellanidae	Polyonyx gibbesi	Megalopae	264.14
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	132.07
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Holoplankton	Copepoda			20074.29
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Holoplankton	Mysida			8716.47
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Meroplankton	Bivalvia			264.14
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Meroplankton	Cirripedia			2245.15
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Meroplankton	Gastropoda			132.07
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda			10565.41
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Cumacea			132.07
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Isopoda			1320.68
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Polychaeta			132.07
CFBC	CFBC-02	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Tanaidacea			132.07
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	17.98
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	11.99
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Ichthyoplankton	Cynoglossidae	Symphurus plagiosa	Post yolk-sac larvae	38.96

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)	
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	11.99
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	7.49
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Ctenogobius boleosoma	Post yolk-sac larvae	1.50
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	113.89
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	1.50
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	1.50
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Ichthyoplankton	Perciformes		Post yolk-sac larvae	1.50
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	1.50
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	4.50
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Ichthyoplankton	Triglidae		Post yolk-sac larvae	1.50
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	23.98
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	113.89
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Meroplankton	Callianassidae	Callianassa sp.	Zoea	5.99
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	11.99
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Meroplankton	Ogyrididae	Ogyrides sp.	Juvenile	5.99
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Adult	5.99
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Meroplankton	Panopeidae		Zoea	629.40
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Meroplankton	Panopeidae		Megalopae	89.91
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	5.99
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Holoplankton	Copepoda			7337.03
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Holoplankton	Mysida			671.36
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Meroplankton	Cirripedia			143.86
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Meroplankton	Gastropoda			191.82
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Collembola			47.95
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda			1534.54
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Cumacea			47.95
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Isopoda			95.91
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Polychaeta			95.91
CFBC	CFBC-02	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Tanaidacea			47.95
CFBC	CFBC-02	A	Day	June 20-21, 2008	8	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	1.16
CFBC	CFBC-02	A	Day	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	5.80
CFBC	CFBC-02	A	Day	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	2.32
CFBC	CFBC-02	A	Day	June 20-21, 2008	8	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	3.48
CFBC	CFBC-02	A	Day	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	1.16
CFBC	CFBC-02	A	Day	June 20-21, 2008	8	Meroplankton	Panopeidae		Zoea	71.92
CFBC	CFBC-02	A	Day	June 20-21, 2008	8	Meroplankton	Panopeidae		Megalopae	1.16
CFBC	CFBC-02	A	Day	June 20-21, 2008	8	Holoplankton	Copepoda			33.64
CFBC	CFBC-02	A	Day	June 20-21, 2008	8	Meroplankton	Cirripedia			4.64
CFBC	CFBC-02	A	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Collembola			1.16
CFBC	CFBC-02	A	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Amphipoda			5.80
CFBC	CFBC-02	A	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Isopoda			2.32
							No organisms present in sample			
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.16
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	5.82
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	86.10
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	5.82
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	1.16
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	1.16
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	74.46
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	51.19
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Meroplankton	Callianassidae	Callianassa sp.	Zoea	32.58
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	148.92
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Meroplankton	Panopeidae		Zoea	828.39
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Holoplankton	Copepoda			521.23
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Holoplankton	Mysida			13.96
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Meroplankton	Cirripedia			4.65
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Amphipoda			93.08
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Cumacea			74.46
CFBC	CFBC-02	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Isopoda			200.12
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	13.29
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Ichthyoplankton	Achiridae	Achirus lineatus	Juvenile	1.33
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	1.33
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.33
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	111.61
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	26.57
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1.33
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	15.94
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	2.66
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	2.66
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	79.72
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	162.10
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Meroplankton	Callianassidae	Callianassa sp.	Zoea	10.63
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	15.94
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	350.78
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	10.63
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Adult	2.66
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Meroplankton	Panopeidae		Zoea	504.92
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Meroplankton	Panopeidae		Megalopae	13.29
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Meroplankton	Penaeidae	Farfantepenaeus duorarum	Post-larval	2.66
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Holoplankton	Copepoda			1745.95
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Holoplankton	Mysida			37.20
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Meroplankton	Cirripedia			2.66
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Collembola			1.33
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Amphipoda			154.13

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Branchiura			1.33
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Cumacea			151.47
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Polychaeta			5.31
CFBC	CFBC-02	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Tanaidacea			21.26
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	2.97
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	4.45
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	1.48
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	1.48
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	4.45
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	37.11
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	2.97
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	109.84
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	1.48
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	213.74
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Meroplankton	Panopeidae		Megalopae	2.97
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Holoplankton	Copepoda			2.97
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Amphipoda			8.91
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Isopoda			13.36
CFBC	CFBC-02	A	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Pycnogonida			1.48
CFBC	CFBC-02	B	Day	July 21-22, 2008	9	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	12.40
CFBC	CFBC-02	B	Day	July 21-22, 2008	9	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	6.20
CFBC	CFBC-02	B	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	18.60
CFBC	CFBC-02	B	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	62.01
CFBC	CFBC-02	B	Day	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	204.62
CFBC	CFBC-02	B	Day	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	880.48
CFBC	CFBC-02	B	Day	July 21-22, 2008	9	Meroplankton	Panopeidae		Megalopae	6.20
CFBC	CFBC-02	B	Day	July 21-22, 2008	9	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	6.20
CFBC	CFBC-02	B	Day	July 21-22, 2008	9	Holoplankton	Copepoda			136.41
CFBC	CFBC-02	B	Day	July 21-22, 2008	9	Meroplankton	Cirripedia			86.81
CFBC	CFBC-02	B	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Amphipoda			12.40
CFBC	CFBC-02	B	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Cumacea			6.20
CFBC	CFBC-02	B	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Isopoda			18.60
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	5.58
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	5.58
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	20.91
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	4.18
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	13.94
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	1.39
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	1.39
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	1.39
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Ichthyoplankton	Triglidae		Post yolk-sac larvae	1.39
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	66.92
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	669.18
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	66.92
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	334.59
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	111.53
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	2208.28
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Megalopae	66.92
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	22.31
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	44.61
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Meroplankton	UnID Thalassinidea		Post-larval	133.84
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Holoplankton	Copepoda			2342.12
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Holoplankton	Mysida			44.61
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Meroplankton	Cirripedia			22.31
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Collembola			22.31
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Amphipoda			156.14
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Cumacea			111.53
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Isopoda			66.92
CFBC	CFBC-02	A	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Tanaidacea			22.31
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	52.07
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	26.03
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	78.10
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	52.07
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Ichthyoplankton	Perciformes		Post yolk-sac larvae	52.07
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	208.27
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	572.73
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	78.10
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	52.07
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	208.27
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	3722.75
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Megalopae	26.03
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	52.07
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Meroplankton	UnID Thalassinidea		Post-larval	26.03
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Holoplankton	Copepoda			8799.22
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Holoplankton	Mysida			52.07
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Meroplankton	Cirripedia			2707.45
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Collembola			52.07
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Amphipoda			104.13
CFBC	CFBC-02	B	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Cumacea			208.27
CFBC	CFBC-02	A	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Egg	29.13
CFBC	CFBC-02	A	Day	August 6-7, 2008	10	Ichthyoplankton	UnID (no embryo)		Egg	14.56
CFBC	CFBC-02	A	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	14.56
CFBC	CFBC-02	A	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	14.56
CFBC	CFBC-02	A	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	320.41

A-5 CFBC Plankton Data

		Replic	Day or						Developmental	Density (#/100
Site	Station	ate	Night	Date		Plankton Type	Taxon	Genus Species	Stage	cubic meters)
CFBC	CFBC-02	A	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	43.69
CFBC	CFBC-02	A	Day	August 6-7, 2008	10	Meroplankton	Callianassidae		Zoea	14.56
CFBC	CFBC-02	A	Day	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	29.13
CFBC	CFBC-02	A	Day	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	3626.43
CFBC	CFBC-02	A	Day	August 6-7, 2008	10	Meroplankton	Copepoda			233.02
CFBC	CFBC-02	A	Day	August 6-7, 2008	10	Meroplankton	Cirripedia			2665.21
CFBC	CFBC-02	A	Day	August 6-7, 2008	10	Pseudoplankton/ Benthos	Isopoda			29.13
CFBC	CFBC-02	A	Day	August 6-7, 2008	10	Pseudoplankton/ Benthos	Polychaeta			29.13
CFBC	CFBC-02	B	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Egg	14.13
CFBC	CFBC-02	B	Day	August 6-7, 2008	10	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	5.30
CFBC	CFBC-02	B	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	5.30
CFBC	CFBC-02	B	Day	August 6-7, 2008	10	Ichthyoplankton	Ephippidae	Chaetodipterus faber	Juvenile	1.77
CFBC	CFBC-02	B	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	226.07
CFBC	CFBC-02	B	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	211.94
CFBC	CFBC-02	B	Day	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	98.90
CFBC	CFBC-02	B	Day	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	4634.40
CFBC	CFBC-02	B	Day	August 6-7, 2008	10	Meroplankton	Panopeidae		Megalopae	28.26
CFBC	CFBC-02	B	Day	August 6-7, 2008	10	Holoplankton	Chaetognatha			28.26
CFBC	CFBC-02	B	Day	August 6-7, 2008	10	Holoplankton	Copepoda			141.29
CFBC	CFBC-02	B	Day	August 6-7, 2008	10	Meroplankton	Cirripedia			1737.90
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Egg	4.08
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	14.29
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	2.04
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	36.75
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	14.29
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	63.29
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	8.17
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	2.04
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	2.04
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae	Sciaenops ocellatus	Post yolk-sac larvae	2.04
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Ichthyoplankton	UnID		Yolk-sac larvae	4.08
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	5357.29
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	979.99
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Meroplankton	Callianassidae		Zoea	32.67
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	98.00
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	2776.64
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Meroplankton	Panopeidae		Megalopae	65.33
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Meroplankton	UnID Thalassinidea		Post-larval	98.00
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Holoplankton	Copepoda			1927.32
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Holoplankton	Mysida			32.67
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Meroplankton	Cirripedia			6565.95
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Meroplankton	Gastropoda			130.67
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Amphipoda			163.33
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Cumacea			130.67
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Isopoda			32.67
CFBC	CFBC-02	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Ostracoda			32.67
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	19.76
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	25.14
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	50.29
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	25.14
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	71.84
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	1.80
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	5.39
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Ichthyoplankton	UnID		Post yolk-sac larvae	1.80
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	5114.94
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	344.83
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	13275.86
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	57.47
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Meroplankton	UnID Thalassinidea		Post-larval	57.47
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Holoplankton	Copepoda			1149.43
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Holoplankton	Mysida			57.47
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Meroplankton	Cirripedia			3160.92
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Amphipoda			57.47
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Cumacea			402.30
CFBC	CFBC-02	B	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Isopoda			172.41
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Ichthyoplankton	Engraulidae		Egg	30.69
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.92
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1.92
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	7.67
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae	Sciaenops ocellatus	Post yolk-sac larvae	1.92
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Meroplankton	Anomura		Megalopae	3.84
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	161.14
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	126.61
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	3.84
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	15.35
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	744.29
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Meroplankton	Panopeidae		Megalopae	34.53
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Holoplankton	Chaetognatha			1.92
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Holoplankton	Copepoda			117.02
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Holoplankton	Mysida			7.67
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Meroplankton	Cirripedia			283.91
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Meroplankton	Gastropoda			90.16
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Amphipoda			63.30
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Isopoda			1.92

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)	
CFBC	CFBC-02	A	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Polychaeta		1.92	
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Ichthyoplankton	Engraulidae	Egg	26.66	
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	7.62
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	3.81
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	5.71
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	1.90
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	11.43
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	60.94
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	121.88
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Adult	7.62
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	91.41
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	2551.89
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Meroplankton	Panopeidae		Megalopae	38.09
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Zoea	7.62
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Holoplankton	Copepoda			30.47
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Meroplankton	Cirripedia			281.85
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Meroplankton	Gastropoda			38.09
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Amphipoda			83.79
CFBC	CFBC-02	B	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Isopoda			22.85
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	13.73
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	5.88
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	1.96
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	41.19
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	11.77
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	5.88
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	13.73
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	51.00
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	1.96
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	1.96
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae	Sciaenops ocellatus	Post yolk-sac larvae	3.92
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Ichthyoplankton	UnID		Yolk-sac larvae	3.92
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	7.85
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1020.01
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Callinassidae		Zoea	31.38
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	7.85
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	7.85
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Adult	39.23
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Ogyrididae	Ogyrides alphaerostris	Post-larval	7.85
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Paguridae	Pagurus longicarpus	Zoea	7.85
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	39.23
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Palaemonidae	Palaemonetes spp.	Post-larval	7.85
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	784.62
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Megalopae	125.54
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	15.69
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Juvenile	3.92
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	54.92
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Portunidae	Callinectes spp.	Juvenile	141.23
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	UnID Thalassinidea		Post-larval	141.23
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	7.85
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Holoplankton	Copepoda			1388.78
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Holoplankton	Mysida			706.16
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Bivalvia			23.54
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Cirripedia			1294.63
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Gastropoda			313.85
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Meroplankton	Tunicata			54.92
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Insecta			133.39
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Amphipoda			408.00
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Cumacea			447.23
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Isopoda			7.85
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Ostracoda			23.54
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Polychaeta			31.38
CFBC	CFBC-02	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Tanaidacea			70.62
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	6.41
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	47.02
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Ichthyoplankton	Ephippidae	Chaetodipterus faber	Post yolk-sac larvae	2.14
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	6.41
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	59.84
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	2.14
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	4.27
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae	Sciaenops ocellatus	Post yolk-sac larvae	14.96
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Ichthyoplankton	Syngnathidae	Syngnathus scovelli	Post yolk-sac larvae	2.14
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	632.61
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	17.10
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	17.10
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	786.49
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Megalopae	102.59
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Meroplankton	Penaeidae	Farfantepenaeus duorarum	Post-larval	17.10
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Megalopae	34.20
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	34.20
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Meroplankton	Portunidae	Callinectes spp.	Juvenile	102.59
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Meroplankton	UnID Thalassinidea		Post-larval	34.20
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	17.10
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Holoplankton	Copepoda			1025.86
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Holoplankton	Mysida			957.47

A-5 CFBC Plankton Data

		Replic	Day or						Developmental	Density (#/100
Site	Station	ate	Night	Date		Plankton Type	Taxon	Genus Species	Stage	cubic meters)
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Meroplankton	Cirripedia			1384.91
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Meroplankton	Gastropoda			239.37
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Meroplankton	Tunicata			102.59
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Insecta			119.68
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Amphipoda			410.34
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Cumacea			341.95
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Isopoda			17.10
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Ostracoda			34.20
CFBC	CFBC-02	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Polychaeta			17.10
CFBC	CFBC-02	A	Day	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	67.68
CFBC	CFBC-02	A	Day	September 15, 2008	12	Meroplankton	Panopeidae		Zoea	213.20
CFBC	CFBC-02	A	Day	September 15, 2008	12	Holoplankton	Copepoda			57.53
CFBC	CFBC-02	A	Day	September 15, 2008	12	Meroplankton	Bivalvia			6.77
CFBC	CFBC-02	A	Day	September 15, 2008	12	Meroplankton	Cirripedia			159.05
CFBC	CFBC-02	A	Day	September 15, 2008	12	Meroplankton	Gastropoda			3.38
CFBC	CFBC-02	A	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Polychaeta			33.84
CFBC	CFBC-02	B	Day	September 15, 2008	12	Ichthyoplankton	Atherinopsidae	Menidia sp. A	Post yolk-sac larvae	1.75
CFBC	CFBC-02	B	Day	September 15, 2008	12	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.75
CFBC	CFBC-02	B	Day	September 15, 2008	12	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	1.75
CFBC	CFBC-02	B	Day	September 15, 2008	12	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1.75
CFBC	CFBC-02	B	Day	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	38.59
CFBC	CFBC-02	B	Day	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	3.51
CFBC	CFBC-02	B	Day	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	3.51
CFBC	CFBC-02	B	Day	September 15, 2008	12	Meroplankton	Panopeidae		Zoea	347.31
CFBC	CFBC-02	B	Day	September 15, 2008	12	Holoplankton	Cladocera			3.51
CFBC	CFBC-02	B	Day	September 15, 2008	12	Holoplankton	Copepoda			547.27
CFBC	CFBC-02	B	Day	September 15, 2008	12	Meroplankton	Bivalvia			10.52
CFBC	CFBC-02	B	Day	September 15, 2008	12	Meroplankton	Cirripedia			571.83
CFBC	CFBC-02	B	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Amphipoda			3.51
CFBC	CFBC-02	B	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Oligochaeta			3.51
CFBC	CFBC-02	B	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Ostracoda			3.51
CFBC	CFBC-02	B	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Polychaeta			98.23
CFBC	CFBC-02	A	Night	September 15, 2008	12	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	23.58
CFBC	CFBC-02	A	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	1.81
CFBC	CFBC-02	A	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	16.32
CFBC	CFBC-02	A	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	119.70
CFBC	CFBC-02	A	Night	September 15, 2008	12	Meroplankton	Callianassidae		Zoea	1.81
CFBC	CFBC-02	A	Night	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	9.07
CFBC	CFBC-02	A	Night	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.	Post-larval	1.81
CFBC	CFBC-02	A	Night	September 15, 2008	12	Meroplankton	Panopeidae		Zoea	219.44
CFBC	CFBC-02	A	Night	September 15, 2008	12	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	3.63
CFBC	CFBC-02	A	Night	September 15, 2008	12	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	1.81
CFBC	CFBC-02	A	Night	September 15, 2008	12	Holoplankton	Copepoda			88.86
CFBC	CFBC-02	A	Night	September 15, 2008	12	Holoplankton	Mysida			12.69
CFBC	CFBC-02	A	Night	September 15, 2008	12	Meroplankton	Cirripedia			12.69
CFBC	CFBC-02	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Insecta			9.07
CFBC	CFBC-02	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Amphipoda			5.44
CFBC	CFBC-02	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Cumacea			3.63
CFBC	CFBC-02	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Isopoda			12.69
CFBC	CFBC-02	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Polychaeta			9.07
CFBC	CFBC-02	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Tanaidacea			3.63
CFBC	CFBC-02	B	Night	September 15, 2008	12	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	7.14
CFBC	CFBC-02	B	Night	September 15, 2008	12	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	17.85
CFBC	CFBC-02	B	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	1.79
CFBC	CFBC-02	B	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	3.57
CFBC	CFBC-02	B	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	12.50
CFBC	CFBC-02	B	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	110.67
CFBC	CFBC-02	B	Night	September 15, 2008	12	Meroplankton	Callianassidae		Zoea	1.79
CFBC	CFBC-02	B	Night	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	1.79
CFBC	CFBC-02	B	Night	September 15, 2008	12	Meroplankton	Panopeidae		Zoea	287.40
CFBC	CFBC-02	B	Night	September 15, 2008	12	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Megalopae	1.79
CFBC	CFBC-02	B	Night	September 15, 2008	12	Meroplankton	Portunidae	Callinectes sapidus	Post-larval	1.79
CFBC	CFBC-02	B	Night	September 15, 2008	12	Holoplankton	Copepoda			128.53
CFBC	CFBC-02	B	Night	September 15, 2008	12	Holoplankton	Mysida			12.50
CFBC	CFBC-02	B	Night	September 15, 2008	12	Meroplankton	Cirripedia			12.50
CFBC	CFBC-02	B	Night	September 15, 2008	12	Meroplankton	Gastropoda			1.79
CFBC	CFBC-02	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Insecta			10.71
CFBC	CFBC-02	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Amphipoda			7.14
CFBC	CFBC-02	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Isopoda			12.50
CFBC	CFBC-02	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Ostracoda			1.79
CFBC	CFBC-02	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Polychaeta			26.78
CFBC	CFBC-02	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Tanaidacea			5.36
CFBC	CFBC-02	A	Day	October 28, 2008	13	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	8.36
CFBC	CFBC-02	A	Day	October 28, 2008	13	Ichthyoplankton	Sciaenidae	Sciaenops ocellatus	Post yolk-sac larvae	2.09
CFBC	CFBC-02	A	Day	October 28, 2008	13	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	4.18
CFBC	CFBC-02	A	Day	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	183.87
CFBC	CFBC-02	A	Day	October 28, 2008	13	Holoplankton	Copepoda			175.51
CFBC	CFBC-02	A	Day	October 28, 2008	13	Holoplankton	Mysida			2.09
CFBC	CFBC-02	A	Day	October 28, 2008	13	Meroplankton	Cirripedia			50.15
CFBC	CFBC-02	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Amphipoda			6.27
CFBC	CFBC-02	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Isopoda			6.27
CFBC	CFBC-02	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Oligochaeta			2.09
CFBC	CFBC-02	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Polychaeta			83.58

A-5 CFBC Plankton Data

		Replic	Day or						Developmental	Density (#/100
Site	Station	ate	Night	Date		Plankton Type	Taxon	Genus Species	Stage	cubic meters)
CFBC	CFBC-02	B	Day	October 28, 2008	13	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	5.36
CFBC	CFBC-02	B	Day	October 28, 2008	13	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	1.79
CFBC	CFBC-02	B	Day	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	141.27
CFBC	CFBC-02	B	Day	October 28, 2008	13	Holoplankton	Copepoda			8.94
CFBC	CFBC-02	B	Day	October 28, 2008	13	Meroplankton	Cirripedia			1.79
CFBC	CFBC-02	B	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Amphipoda			3.58
CFBC	CFBC-02	B	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Isopoda			7.15
CFBC	CFBC-02	B	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Polychaeta			1.79
CFBC	CFBC-02	A	Night	October 28, 2008	13	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	11.17
CFBC	CFBC-02	A	Night	October 28, 2008	13	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	31.91
CFBC	CFBC-02	A	Night	October 28, 2008	13	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	9.57
CFBC	CFBC-02	A	Night	October 28, 2008	13	Ichthyoplankton	Triglidae	Prionotus spp.	Juvenile	1.60
CFBC	CFBC-02	A	Night	October 28, 2008	13	Ichthyoplankton	UnID		Yolk-sac larvae	1.60
CFBC	CFBC-02	A	Night	October 28, 2008	13	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	6.38
CFBC	CFBC-02	A	Night	October 28, 2008	13	Meroplankton	Hippolytidae	Hippolyte spp.	Post yolk-sac larvae	6.38
CFBC	CFBC-02	A	Night	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Juvenile	6.38
CFBC	CFBC-02	A	Night	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	606.25
CFBC	CFBC-02	A	Night	October 28, 2008	13	Holoplankton	Copepoda			1461.39
CFBC	CFBC-02	A	Night	October 28, 2008	13	Holoplankton	Mysida			6.38
CFBC	CFBC-02	A	Night	October 28, 2008	13	Meroplankton	Cirripedia			89.34
CFBC	CFBC-02	A	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Amphipoda			89.34
CFBC	CFBC-02	A	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Cumacea			12.76
CFBC	CFBC-02	A	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Polychaeta			44.67
CFBC	CFBC-02	B	Night	October 28, 2008	13	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	74.60
CFBC	CFBC-02	B	Night	October 28, 2008	13	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	3.32
CFBC	CFBC-02	B	Night	October 28, 2008	13	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	1.66
CFBC	CFBC-02	B	Night	October 28, 2008	13	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	9.95
CFBC	CFBC-02	B	Night	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	9.95
CFBC	CFBC-02	B	Night	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	656.50
CFBC	CFBC-02	B	Night	October 28, 2008	13	Meroplankton	Panopeidae		Megalopae	6.63
CFBC	CFBC-02	B	Night	October 28, 2008	13	Meroplankton	Penaeidae	Farfantepenaeus duorarum	Post-larval	9.95
CFBC	CFBC-02	B	Night	October 28, 2008	13	Meroplankton	Pinnotheridae		Zoea	3.32
CFBC	CFBC-02	B	Night	October 28, 2008	13	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	3.32
CFBC	CFBC-02	B	Night	October 28, 2008	13	Holoplankton	Copepoda			3660.48
CFBC	CFBC-02	B	Night	October 28, 2008	13	Holoplankton	Mysida			26.53
CFBC	CFBC-02	B	Night	October 28, 2008	13	Meroplankton	Cirripedia			265.25
CFBC	CFBC-02	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Collembola			26.53
CFBC	CFBC-02	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Amphipoda			185.68
CFBC	CFBC-02	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Cumacea			132.63
CFBC	CFBC-02	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Isopoda			53.05
CFBC	CFBC-02	A	Day	November 13-14, 2008	14	Ichthyoplankton	Clupeidae		Egg	1.59
CFBC	CFBC-02	A	Day	November 13-14, 2008	14	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	11.13
CFBC	CFBC-02	A	Day	November 13-14, 2008	14	Ichthyoplankton	Clupeidae		Yolk-sac larvae	9.54
CFBC	CFBC-02	A	Day	November 13-14, 2008	14	Ichthyoplankton	Gobiesocidae	Gobiosox strumosus	Post yolk-sac larvae	1.59
CFBC	CFBC-02	A	Day	November 13-14, 2008	14	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	9.54
CFBC	CFBC-02	A	Day	November 13-14, 2008	14	Meroplankton	Hippolytidae	Lysmata rathbunae	Adult	1.59
CFBC	CFBC-02	A	Day	November 13-14, 2008	14	Meroplankton	Laomedidae	Naushonia crangonoides	Zoea	1.59
CFBC	CFBC-02	A	Day	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	6.36
CFBC	CFBC-02	A	Day	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	66.78
CFBC	CFBC-02	A	Day	November 13-14, 2008	14	Meroplankton	Unidentified shrimp		Zoea	14.31
CFBC	CFBC-02	A	Day	November 13-14, 2008	14	Holoplankton	Copepoda			1221.18
CFBC	CFBC-02	A	Day	November 13-14, 2008	14	Meroplankton	Cirripedia			954.05
CFBC	CFBC-02	A	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Polychaeta			12.72
CFBC	CFBC-02	B	Day	November 13-14, 2008	14	Ichthyoplankton	Clupeidae		Egg	3.59
CFBC	CFBC-02	B	Day	November 13-14, 2008	14	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.79
CFBC	CFBC-02	B	Day	November 13-14, 2008	14	Ichthyoplankton	Clupeidae		Yolk-sac larvae	7.18
CFBC	CFBC-02	B	Day	November 13-14, 2008	14	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	1.79
CFBC	CFBC-02	B	Day	November 13-14, 2008	14	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	3.59
CFBC	CFBC-02	B	Day	November 13-14, 2008	14	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	7.18
CFBC	CFBC-02	B	Day	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	3.59
CFBC	CFBC-02	B	Day	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	62.80
CFBC	CFBC-02	B	Day	November 13-14, 2008	14	Holoplankton	Copepoda			23.33
CFBC	CFBC-02	B	Day	November 13-14, 2008	14	Meroplankton	Cirripedia			59.21
CFBC	CFBC-02	B	Day	November 13-14, 2008	14	Meroplankton	Gastropoda			5.38
CFBC	CFBC-02	B	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Amphipoda			3.59
CFBC	CFBC-02	B	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Isopoda			10.77
CFBC	CFBC-02	B	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Polychaeta			1.79
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Ichthyoplankton	Clupeidae		Egg	1.59
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	14.33
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Ichthyoplankton	Clupeidae		Yolk-sac larvae	9.55
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Ichthyoplankton	Engraulidae		Yolk-sac larvae	1.59
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	9.55
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	1.59
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1.59
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	4.78
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	1.59
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	4.78
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	1.59
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	31.84
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Meroplankton	Penaeidae	Farfantepenaeus duorarum	Juvenile	1.59
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Meroplankton	Pinnotheridae		Zoea	1.59
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Holoplankton	Copepoda			11514.09
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Holoplankton	Mysida			101.89
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Meroplankton	Cirripedia			101.89

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)	
CFBC	CFBC-02	A	Night	November 13-14, 2008	14	Meroplankton	Gastropoda		203.79	
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Ichthyoplankton	Clupeidae	Egg	3.41	
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Ichthyoplankton	Blenniidae	Post yolk-sac larvae	8.52	
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Ichthyoplankton	Clupeidae	Yolk-sac larvae	3.41	
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	8.52
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1.70
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	3.41
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	1.70
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	20.44
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Meroplankton	Penaeidae	Farfantepenaeus duorarum	Post-larval	1.70
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Holoplankton	Chaetognatha			27.26
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Holoplankton	Copepoda			3120.95
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Holoplankton	Mysida			27.26
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Meroplankton	Cirripedia			81.77
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Amphipoda			54.51
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Cumacea			13.63
CFBC	CFBC-02	B	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Isopoda			13.63
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Holoplankton	Chaetognatha			6.38
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Holoplankton	Copepoda			79.69
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Chasmodes saburrae	Yolk-sac larvae	3.19
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Chasmodes saburrae	Post yolk-sac larvae	3.19
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	1.59
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Anomura		Post-larval	6.38
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Brachyura		Megalopae	6.38
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	12.75
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Hippolytidae	Thor sp.	Zoea	102.01
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Loliginidae	Lolliguncula brevis	Juvenile	1.59
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Adult	191.27
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	31.88
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Hexapanopeus angustifrons	Megalopae	12.75
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Panopeus sp.	Zoea	293.27
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Panopeus sp.	Megalopae	153.01
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Rhithropanopeus harrisii	Zoea	956.33
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Pinnixa sp.	Zoea	204.02
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	25.50
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Sesamidae	Armases sp.	Megalopae	172.14
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Post-larval	63.76
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	6.38
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Amphipoda			11.16
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Branchiura			1.59
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Meroplankton	Gastropoda			1.59
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Isopoda			7.97
CFBC	CFBC-03	A	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Polychaeta			6.38
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Holoplankton	Chaetognatha			1.51
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Holoplankton	Copepoda			213.95
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Holoplankton	Mysida			1.51
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	3.01
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Yolk-sac larvae	3.01
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Ichthyoplankton	Blenniidae		Yolk-sac larvae	4.52
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	1.51
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	3.01
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Ichthyoplankton	Perciformes			1.51
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Brachyura		Megalopae	18.08
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Cirripedia			7.53
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	12.05
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	18.08
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Hippolytidae	Lysmata sp.	Zoea	6.03
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Hippolytidae	Thor sp.	Zoea	84.38
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Adult	198.89
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Ocypodidae	Uca sp.	Zoea	6.03
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Ocypodidae	Uca sp.	Megalopae	132.59
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	24.11
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Panopeus sp.	Zoea	337.50
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Panopeus sp.	Megalopae	186.83
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Rhithropanopeus harrisii	Zoea	427.90
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Pinnixa sp.	Zoea	337.50
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Pinnotheridae		Zoea	6.03
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	30.13
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Sergestidae		Zoea	24.11
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Post-larval	186.83
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Amphipoda			4.52
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Branchiura			1.51
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Meroplankton	Gastropoda			6.03
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Isopoda			1.51
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Ostracoda			7.53
CFBC	CFBC-03	B	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Polychaeta			4.52
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Holoplankton	Copepoda			1249.79
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Holoplankton	Mysida			61.13
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Chasmodes saburrae	Yolk-sac larvae	3.40
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Chasmodes saburrae	Post yolk-sac larvae	3.40
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Yolk-sac larvae	1.70
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	1.70
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	101.88
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Ichthyoplankton	Gerreidae	Eucinostomus sp.	Post yolk-sac larvae	10.19

A-5 CFBC Plankton Data

Replic ate				Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	13.58
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma sp.	Post yolk-sac larvae	1.70
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	6.79
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Anomura		Post-larval	1.70
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	244.52
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Brachyura		Megalopae	118.87
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Caridea		Post-larval	1.70
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	3.40
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	6.79
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Thor sp.	Zoea	10.19
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Adult	154.53
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Ogyrididae	Ogyrides sp.	Juvenile	3.40
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Panopeidae	Hexapanopeus angustifrons	Megalopae	5.09
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Panopeidae	Panopeus sp.	Zoea	142.64
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Panopeidae	Panopeus sp.	Megalopae	54.34
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Panopeidae	Rhithropanopeus harrisi	Zoea	22.08
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Pinnixa sp.	Zoea	54.34
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Tumidotherea maculatus	Zoea	3.40
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	18.68
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Portunidae	Callinectes sp.	Megalopae	15.28
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Post-larval	3.40
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Post-larval	8.49
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Amphipoda			142.64
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Branchiura			6.79
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Cumacea			210.56
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Meroplankton	Gastropoda			489.05
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Isopoda			6.79
CFBC	CFBC-03	A	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Polychaeta			40.75
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Holoplankton	Chaetognatha			56.40
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Holoplankton	Copepoda			5780.75
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Holoplankton	Mysida			1381.74
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Chasmodes saburrae	Yolk-sac larvae	12.34
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	1.76
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Ichthyoplankton	Blenniidae		Yolk-sac larvae	12.34
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	84.60
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Ichthyoplankton	Engraulidae	Anchoa sp.	Post yolk-sac larvae	14.10
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	3.52
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Ichthyoplankton	Gerreidae	Eucinostomus sp.	Post yolk-sac larvae	7.05
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	10.57
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	5.29
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	246.74
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Caridea		Juvenile	7.05
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Caridea		Juvenile	7.05
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Cirripedia			28.20
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	28.20
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Thor spp.	Zoea	91.65
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	21.15
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	401.83
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Adult	430.03
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Palaeomonidae	Palaeomonetes sp.	Zoea	49.35
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Panopeidae		Zoea	451.18
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Panopeidae		Megalopae	246.74
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Pinnotheridae		Zoea	140.99
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Pinnotheridae		Juvenile	42.30
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	21.15
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	7.05
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Post-larval	42.30
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Post-larval	7.05
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Amphipoda			84.60
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Cumacea			225.59
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Meroplankton	Gastropoda			1353.54
CFBC	CFBC-03	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Polychaeta			84.60
CFBC	CFBC-03	A	Day	December 7-8, 2007	2	Meroplankton	Gastropoda			28.63
CFBC	CFBC-03	A	Day	December 7-8, 2007	2	Holoplankton	Copepoda			966.18
CFBC	CFBC-03	A	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Amphipoda			7.16
CFBC	CFBC-03	A	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Isopoda			7.16
CFBC	CFBC-03	A	Day	December 7-8, 2007	2	Holoplankton	Cladocera			987.65
CFBC	CFBC-03	A	Day	December 7-8, 2007	2	Holoplankton	Chaetognatha			71.57
CFBC	CFBC-03	A	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Ostracoda			7.16
CFBC	CFBC-03	A	Day	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Adult	26.84
CFBC	CFBC-03	A	Day	December 7-8, 2007	2	Meroplankton	Hippolytidae	Thor sp.	Zoea	7.16
CFBC	CFBC-03	A	Day	December 7-8, 2007	2	Meroplankton	Pinnotheridae		Zoea	3.58
CFBC	CFBC-03	A	Day	December 7-8, 2007	2	Meroplankton	Paguridae	Pagurus sp.	Zoea	3.58
CFBC	CFBC-03	A	Day	December 7-8, 2007	2	Meroplankton	Panopeidae		Zoea	1.79
CFBC	CFBC-03	A	Day	December 7-8, 2007	2	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	1.79
CFBC	CFBC-03	A	Day	December 7-8, 2007	2	Ichthyoplankton	Paralichthyidae/Sparidae complex		Egg	1.79
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Gastropoda			1391.56
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Holoplankton	Copepoda			6725.86
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Isopoda			57.98
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Cirripedia			57.98
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Holoplankton	Chaetognatha			1855.41
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Tunicata			115.96
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Polychaeta			1.81
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Ostracoda			3.62

A-5 CFBC Plankton Data

Replic				Day or	Developmental					Density (#/100
Site	Station	ate	Night	Date	Plankton Type	Taxon	Genus Species	Stage	cubic meters)	
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Bivalvia		3.62	
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Opisthobranchia		1.81	
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	16.31
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Adult	32.61
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	3.62
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Menippidae	Menippe mercenaria	Zoea	1.81
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	5.44
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	14.50
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Pinnotheridae		Zoea	12.68
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Panopeidae		Zoea	9.06
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Paguridae	Pagurus sp.	Zoea	3.62
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Brachyura		Zoea	9.06
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Hippolytidae	Thor sp.	Zoea	63.42
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Hippolytidae	Thor sp.	Post-larval	3.62
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	7.25
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Brachyura		Megalopae	1.81
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Meroplankton	Brachyura		Megalopae	1.81
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	21.74
CFBC	CFBC-03	B	Day	December 7-8, 2007	2	Ichthyoplankton	UnID (no embryo)		Egg	3.62
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Polychaeta			821.83
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Gastropoda			2670.95
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Holoplankton	Copepoda			31845.91
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Amphipoda			410.91
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Holoplankton	Mysida			821.83
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Cumacea			2670.95
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Holoplankton	Chaetognatha			205.46
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Juvenile	3.21
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Adult	33.71
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	6.42
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	4.82
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Caridea		Adult	4.82
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Ogyrididae	Ogyrides sp.	Post-larval	1.61
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Panopeidae		Megalopae	16.05
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	1.61
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Pinnotheridae		Zoea	1.61
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Pinnotheridae		Megalopae	1.61
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Pinnotheridae		Juvenile	1.61
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Hippolytidae	Thor sp.	Zoea	9.63
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Unidentified shrimp		Juvenile	3.21
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	1.61
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Meroplankton	Brachyura		Megalopae	1.61
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Adult	12.84
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Juvenile	16.05
CFBC	CFBC-03	A	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	19.26
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Polychaeta			128.70
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Meroplankton	Gastropoda			360.36
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Holoplankton	Copepoda			18198.20
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Amphipoda			180.18
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Holoplankton	Mysida			180.18
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Holoplankton	Chaetognatha			205.92
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Ostracoda			51.48
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Cumacea			1081.08
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Meroplankton	Tunicata			25.74
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Adult	19.31
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	1.61
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	3.22
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	1.61
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Meroplankton	Hippolytidae	Thor sp.	Zoea	8.04
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Meroplankton	Panopeidae		Zoea	1.61
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Meroplankton	Panopeidae		Megalopae	3.22
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Meroplankton	Penaeidae	Farfantepenaeus duorarum	Post-larval	3.22
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Meroplankton	Caridea		Zoea	3.22
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Meroplankton	Caridea		Juvenile	1.61
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Adult	4.83
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Juvenile	4.83
CFBC	CFBC-03	B	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	1.61
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	Merlucciidae/ Paralichthyidae/ Carangidae/ Haemulidae/ Sciaenidae/ Serranidae egg complex	Egg		7.46
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Egg	7.46
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	UnID (no embryo)		Egg	791.07
CFBC	CFBC-03	A	Day	April 11, 2008	3	Holoplankton	Chaetognatha			7.46
CFBC	CFBC-03	A	Day	April 11, 2008	3	Holoplankton	Copepoda			134.42
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	Atheriniformes		Post yolk-sac larvae	6317.56
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	59.70
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	52.24
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	231.35
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Yolk-sac larvae	149.26
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiesocidae	Gobiosox strumosus	Post yolk-sac larvae	7.46
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	7.46
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	14.93
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	22.39
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	74.63
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	328.37

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Count	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-03	A	Day	April 11, 2008	3	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	7.46
CFBC	CFBC-03	A	Day	April 11, 2008	3	Meroplankton	Brachyura	Amases/Uca complex	Zoea	492.86
CFBC	CFBC-03	A	Day	April 11, 2008	3	Meroplankton	Brachyura	Amases/Uca complex	Megalopae	380.85
CFBC	CFBC-03	A	Day	April 11, 2008	3	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	2195.46
CFBC	CFBC-03	A	Day	April 11, 2008	3	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	67.21
CFBC	CFBC-03	A	Day	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	156.82
CFBC	CFBC-03	A	Day	April 11, 2008	3	Meroplankton	Panopeidae		Zoea	5421.45
CFBC	CFBC-03	A	Day	April 11, 2008	3	Meroplankton	Panopeidae		Megalopae	89.61
CFBC	CFBC-03	A	Day	April 11, 2008	3	Meroplankton	Pinnotheridae		Zoea	224.03
CFBC	CFBC-03	A	Day	April 11, 2008	3	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	134.42
CFBC	CFBC-03	A	Day	April 11, 2008	3	Pseudoplankton/ Benthos	Amphipoda			44.81
CFBC	CFBC-03	B	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Egg	1026.02
CFBC	CFBC-03	B	Day	April 11, 2008	3	Holoplankton	Appendicularia			58.63
CFBC	CFBC-03	B	Day	April 11, 2008	3	Holoplankton	Chaetognatha			469.04
CFBC	CFBC-03	B	Day	April 11, 2008	3	Holoplankton	Cnidaria			117.26
CFBC	CFBC-03	B	Day	April 11, 2008	3	Holoplankton	Copepoda			18585.56
CFBC	CFBC-03	B	Day	April 11, 2008	3	Ichthyoplankton	Atheriniformes		Post yolk-sac larvae	7.33
CFBC	CFBC-03	B	Day	April 11, 2008	3	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	14.66
CFBC	CFBC-03	B	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	219.86
CFBC	CFBC-03	B	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Yolk-sac larvae	124.59
CFBC	CFBC-03	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma strumosus	Post yolk-sac larvae	36.64
CFBC	CFBC-03	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	14.66
CFBC	CFBC-03	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	7.33
CFBC	CFBC-03	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	894.10
CFBC	CFBC-03	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	513.01
CFBC	CFBC-03	B	Day	April 11, 2008	3	Meroplankton	Brachyura	Amases/Uca complex	Zoea	527.67
CFBC	CFBC-03	B	Day	April 11, 2008	3	Meroplankton	Brachyura	Amases/Uca complex	Megalopae	234.52
CFBC	CFBC-03	B	Day	April 11, 2008	3	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	9028.95
CFBC	CFBC-03	B	Day	April 11, 2008	3	Meroplankton	Cirripedia			644.92
CFBC	CFBC-03	B	Day	April 11, 2008	3	Meroplankton	Gastropoda			820.81
CFBC	CFBC-03	B	Day	April 11, 2008	3	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	117.26
CFBC	CFBC-03	B	Day	April 11, 2008	3	Meroplankton	Menippidae	Menippe mercenaria	Zoea	58.63
CFBC	CFBC-03	B	Day	April 11, 2008	3	Meroplankton	Paguridae	Pagurus sp.	Zoea	58.63
CFBC	CFBC-03	B	Day	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	410.41
CFBC	CFBC-03	B	Day	April 11, 2008	3	Meroplankton	Panopeidae		Zoea	11550.02
CFBC	CFBC-03	B	Day	April 11, 2008	3	Meroplankton	Panopeidae		Megalopae	58.63
CFBC	CFBC-03	B	Day	April 11, 2008	3	Meroplankton	Pinnotheridae		Zoea	1231.22
CFBC	CFBC-03	B	Day	April 11, 2008	3	Meroplankton	Unidentified shrimp		Zoea	117.26
CFBC	CFBC-03	B	Day	April 11, 2008	3	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	410.41
CFBC	CFBC-03	A	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Egg	970.55
CFBC	CFBC-03	A	Night	April 11, 2008	3	Holoplankton	Copepoda			4036.70
CFBC	CFBC-03	A	Night	April 11, 2008	3	Holoplankton	Mysida			96.57
CFBC	CFBC-03	A	Night	April 11, 2008	3	Ichthyoplankton	Atheriniformes		Post yolk-sac larvae	4.83
CFBC	CFBC-03	A	Night	April 11, 2008	3	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	4.83
CFBC	CFBC-03	A	Night	April 11, 2008	3	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	16.90
CFBC	CFBC-03	A	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	26.56
CFBC	CFBC-03	A	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	12.07
CFBC	CFBC-03	A	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Yolk-sac larvae	24.14
CFBC	CFBC-03	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma strumosus	Post yolk-sac larvae	7.24
CFBC	CFBC-03	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	9.66
CFBC	CFBC-03	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	21.73
CFBC	CFBC-03	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	33.80
CFBC	CFBC-03	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	33.80
CFBC	CFBC-03	A	Night	April 11, 2008	3	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	50.70
CFBC	CFBC-03	A	Night	April 11, 2008	3	Ichthyoplankton	Synodontidae	Synodus foetens	Post yolk-sac larvae	2.41
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Alpheidae	Alpheus sp.	Post-larval	14.49
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Brachyura	Amases/Uca complex	Zoea	1965.23
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Brachyura	Amases/Uca complex	Megalopae	1178.17
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	318.69
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Gastropoda			77.26
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	4.83
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	24.14
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	4.83
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Panopeidae		Zoea	1318.20
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Panopeidae		Megalopae	434.57
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Pinnotheridae		Zoea	4.83
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Pinnotheridae		Megalopae	106.23
CFBC	CFBC-03	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Polychaeta			115.89
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	4.83
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	19.31
CFBC	CFBC-03	A	Night	April 11, 2008	3	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	96.57
CFBC	CFBC-03	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Amphipoda			38.63
CFBC	CFBC-03	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Cumacea			772.57
CFBC	CFBC-03	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Ostracoda			656.69
CFBC	CFBC-03	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Tanaidacea			19.31
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Egg	4072.68
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	UnID (damaged)		Egg	228.26
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	UnID (no embryo)		Egg	12.01
CFBC	CFBC-03	B	Night	April 11, 2008	3	Holoplankton	Chaetognatha			96.11
CFBC	CFBC-03	B	Night	April 11, 2008	3	Holoplankton	Copepoda			28544.83
CFBC	CFBC-03	B	Night	April 11, 2008	3	Holoplankton	Mysida			961.11
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	24.03
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	120.14
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	252.29

A-5 CFBC Plankton Data

Replic ate				Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	12.01
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Yolk-sac larvae	108.12
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	24.03
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	24.03
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	192.22
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	36.04
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	24.03
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	336.39
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	48.06
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Syngnathidae	Syngnathus scovelli	Juvenile	12.01
CFBC	CFBC-03	B	Night	April 11, 2008	3	Ichthyoplankton	Synodontidae	Synodus foetens	Juvenile	12.01
CFBC	CFBC-03	B	Night	April 11, 2008	3	Meroplankton	Alpheidae	Alpheus sp.	Zoea	48.06
CFBC	CFBC-03	B	Night	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Zoea	48.06
CFBC	CFBC-03	B	Night	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	1009.16
CFBC	CFBC-03	B	Night	April 11, 2008	3	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1153.33
CFBC	CFBC-03	B	Night	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	48.06
CFBC	CFBC-03	B	Night	April 11, 2008	3	Meroplankton	Panopeidae		Zoea	2546.93
CFBC	CFBC-03	B	Night	April 11, 2008	3	Meroplankton	Panopeidae		Megalopae	48.06
CFBC	CFBC-03	B	Night	April 11, 2008	3	Meroplankton	Panopeidae		Juvenile	48.06
CFBC	CFBC-03	B	Night	April 11, 2008	3	Meroplankton	Pinnotheridae		Megalopae	48.06
CFBC	CFBC-03	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Polychaeta			192.22
CFBC	CFBC-03	B	Night	April 11, 2008	3	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	96.11
CFBC	CFBC-03	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Amphipoda			480.55
CFBC	CFBC-03	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Cumacea			19894.88
CFBC	CFBC-03	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Ostracoda			4132.75
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Egg	1325.14
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Ichthyoplankton	UnID (no embryo)		Egg	11.99
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	6.00
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	23.98
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	221.86
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	47.97
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1546.99
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	29.98
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	6.00
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	11.99
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	125.92
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	Zoea	1199.22
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	479.69
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	959.38
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Meroplankton	Paguridae	Pagurus sp.	Zoea	95.94
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	287.81
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		Zoea	13191.43
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		Megalopae	95.94
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Meroplankton	Pinnotheridae		Zoea	191.88
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Meroplankton	Unidentified shrimp		Zoea	239.84
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	383.75
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Holoplankton	Chaetognatha			191.88
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Holoplankton	Copepoda			16741.12
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Meroplankton	Gastropoda			383.75
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Cumacea			95.94
CFBC	CFBC-03	A	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Nudibranchia			47.97
							Carangidae/ Haemulidae/ Sciaenidae/ Serranidae egg			
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Ichthyoplankton	complex		Egg	12.48
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Egg	1291.73
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	6.24
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	305.77
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	24.96
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1273.01
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	49.92
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	31.20
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	12.48
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	87.36
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Ichthyoplankton	Microdesmidae	Microdesmus sp.	Post yolk-sac larvae	6.24
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	Zoea	948.52
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	848.67
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Meroplankton	Callinassidae	Callinassa sp.	Zoea	49.92
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	2146.65
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	349.45
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		Zoea	14876.76
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		Megalopae	99.84
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Meroplankton	Pinnotheridae		Zoea	449.30
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Meroplankton	Unidentified shrimp		Zoea	99.84
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	848.67
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Holoplankton	Chaetognatha			848.67
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Holoplankton	Copepoda			17422.78
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Meroplankton	Gastropoda			249.61
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Amphipoda			49.92
CFBC	CFBC-03	B	Day	April 21-22, 2008	4	Pseudoplankton/ Benthos	Nudibranchia			99.84
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Egg	213.40
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	UnID (no embryo)		Egg	225.25
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	11.86
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	35.57

A-5 CFBC Plankton Data

		Replic	Day or						Developmental	Density (#/100
Site	Station	ate	Night	Date		Plankton Type	Taxon	Genus Species	Stage	cubic meters)
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	35.57
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	11.86
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	23.71
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	35.57
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	723.18
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	23.71
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	284.53
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	11.86
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	11.86
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	35.57
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	11.86
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Amases/Uca complex	Zoea	225.25
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Amases/Uca complex	Megalopae	829.88
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	438.65
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	94.84
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	35.57
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Meroplankton	Panopeidae		Zoea	1861.29
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Meroplankton	Panopeidae		Megalopae	106.70
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	47.42
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	47.42
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Holoplankton	Copepoda			120260.82
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Holoplankton	Mysida			189.69
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Meroplankton	Cirripedia			32436.28
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Meroplankton	Gastropoda			379.37
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Amphipoda			189.69
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Cumacea			1517.49
CFBC	CFBC-03	A	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Tanaidacea			189.69
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Egg	351.77
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	UnID		Egg	11.92
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	UnID (no embryo)		Egg	238.49
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	5.96
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	26.83
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	8.94
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	11.92
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	8.94
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	38.75
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	411.39
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	17.89
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	381.58
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	11.92
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	14.91
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	8.94
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	5.96
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Amases/Uca complex	Zoea	1073.19
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Amases/Uca complex	Megalopae	548.52
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1359.37
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	119.24
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	23.85
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Meroplankton	Panopeidae		Zoea	2933.37
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Meroplankton	Panopeidae		Megalopae	119.24
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Meroplankton	UnID Caridea		Post-larval	23.85
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Meroplankton	Unidentified shrimp		Zoea	23.85
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	23.85
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	47.70
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Holoplankton	Copepoda			42355.05
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Holoplankton	Mysida			381.58
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Meroplankton	Cirripedia			5914.44
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Meroplankton	Gastropoda			381.58
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Amphipoda			190.79
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Cumacea			2098.67
CFBC	CFBC-03	B	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Ostracoda			381.58
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	4.70
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	4.70
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	61.15
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Ichthyoplankton	Engraulidae		Yolk-sac larvae	4.70
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	4.70
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	503.35
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	75.27
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	18.82
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	9.41
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	178.76
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	4.70
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Ichthyoplankton	Syngnathidae	Syngnathus louisianae	Juvenile	4.70
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Amases/Uca complex	Zoea	150.54
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Amases/Uca complex	Megalopae	1166.65
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Meroplankton	Callianassidae	Callianassa sp.	Zoea	37.63
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	188.17
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	37.63
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Meroplankton	Leucosiidae	Persephona mediterranea	Zoea	37.63
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Meroplankton	Menippidae	Menippe mercenaria	Zoea	37.63
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Meroplankton	Panopeidae		Zoea	6548.28
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Meroplankton	Panopeidae		Megalopae	112.90
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Meroplankton	Pinnotheridae		Zoea	1430.08
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Meroplankton	Unidentified shrimp		Zoea	37.63

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)	
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Holoplankton	Chaetognatha		37.63	
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Holoplankton	Copepoda		4892.39	
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Meroplankton	Bivalvia		413.97	
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Meroplankton	Cirripedia		112.90	
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Meroplankton	Gastropoda		1580.62	
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Cumacea		75.27	
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Isopoda		37.63	
CFBC	CFBC-03	A	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Ostracoda		112.90	
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Ichthyoplankton	Engraulidae		24.55	
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	9.82
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiioscidae	Gobiosox strumosus	Post yolk-sac larvae	4.91
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	73.64
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	29.46
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	14.73
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	103.09
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Zoea	39.27
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	643.10
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	29.46
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	14.73
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Leucosiidae	Persephona mediterranea	Zoea	4.91
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	4.91
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Menippidae	Menippe mercenaria	Zoea	9.82
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Paguridae	Pagurus sp.	Zoea	4.91
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Panopeidae		Zoea	1099.66
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Panopeidae		Megalopae	73.64
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Pinnotheridae		Zoea	432.01
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Unidentified shrimp		Zoea	58.91
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	4.91
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Holoplankton	Copepoda			1315.66
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Cirripedia			39.27
CFBC	CFBC-03	B	Day	May 7-8, 2008	5	Meroplankton	Gastropoda			1669.12
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	41.97
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	13.99
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	139.88
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	391.68
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	41.97
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	951.22
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	13.99
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	13.99
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Ichthyoplankton	UnID (fragment)			13.99
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Zoea	447.63
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	3189.37
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	615.49
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Meroplankton	Panopeidae		Zoea	5539.43
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Meroplankton	Panopeidae		Megalopae	223.82
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	55.95
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Holoplankton	Copepoda			8337.12
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Holoplankton	Mysida			615.49
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Meroplankton	Gastropoda			111.91
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Amphipoda			167.86
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Cumacea			391.68
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Ostracoda			55.95
CFBC	CFBC-03	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Polychaeta			55.95
CFBC	CFBC-03	B	Night	May 7-8, 2008	5	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	315.52
CFBC	CFBC-03	B	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	599.49
CFBC	CFBC-03	B	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	31.55
CFBC	CFBC-03	B	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	1672.25
CFBC	CFBC-03	B	Night	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	3407.61
CFBC	CFBC-03	B	Night	May 7-8, 2008	5	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	126.21
CFBC	CFBC-03	B	Night	May 7-8, 2008	5	Meroplankton	Panopeidae		Zoea	16785.64
CFBC	CFBC-03	B	Night	May 7-8, 2008	5	Meroplankton	Panopeidae		Megalopae	504.83
CFBC	CFBC-03	B	Night	May 7-8, 2008	5	Meroplankton	Unidentified shrimp		Zoea	126.21
CFBC	CFBC-03	B	Night	May 7-8, 2008	5	Holoplankton	Copepoda			16154.60
CFBC	CFBC-03	B	Night	May 7-8, 2008	5	Holoplankton	Mysida			2019.33
CFBC	CFBC-03	B	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Cumacea			504.83
CFBC	CFBC-03	B	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Ostracoda			126.21
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Ichthyoplankton	Engraulidae		Egg	41.76
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	20.88
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1503.52
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	2923.52
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	125.29
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	20.88
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Ichthyoplankton	Syngnathidae	Syngnathus scovelli	Post yolk-sac larvae	20.88
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	208.82
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	2338.81
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	334.12
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	41.76
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Meroplankton	Leucosiidae	Persephona mediterranea	Zoea	41.76
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Meroplankton	Luciferidae	Lucifer faxoni	Adult	41.76
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	11151.14
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Meroplankton	Panopeidae		Megalopae	167.06
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	41.76
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Holoplankton	Copepoda			24891.67
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Meroplankton	Cirripedia			334.12

A-5 CFBC Plankton Data

		Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Meroplankton	Gastropoda			12028.19
CFBC	CFBC-03	A	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Isopoda			167.06
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Ichthyoplankton	Engraulidae		Egg	69.63
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	6.63
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	6.63
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiesocidae	Gobiosox strumosus	Post yolk-sac larvae	6.63
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	331.56
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	782.49
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	6.63
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	6.63
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Ichthyoplankton	Syngnathidae	Syngnathus louisianae	Juvenile	6.63
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	53.05
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1379.31
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	106.10
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	10185.68
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Meroplankton	Panopeidae		Megalopae	159.15
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Meroplankton	UnID Caridea		Zoea	53.05
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Meroplankton	Copepoda			3607.43
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Meroplankton	Cirripedia			53.05
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Meroplankton	Gastropoda			2068.97
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Collembola			106.10
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Amphipoda			106.10
CFBC	CFBC-03	B	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Polychaeta			53.05
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Ichthyoplankton	UnID (no embryo)		Egg	3.35
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.67
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	1.67
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	1.67
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	180.72
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiesocidae	Gobiosox strumosus	Post yolk-sac larvae	1.67
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	326.31
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	804.89
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Ichthyoplankton	Perciformes		Post yolk-sac larvae	1.67
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	20.08
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	1231.59
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	26.77
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	53.55
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	26.77
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	696.12
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Meroplankton	Hippolytidae	Hippolyte sp.	Juvenile	26.77
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	1499.33
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Megalopae	1017.40
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Meroplankton	Pinnotheridae		Megalopae	214.19
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Holoplankton	Copepoda			285729.59
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Holoplankton	Mysida			3855.42
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Meroplankton	Gastropoda			428.38
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Amphipoda			1713.52
CFBC	CFBC-03	A	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Cumacea			1285.14
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Ichthyoplankton	UnID (no embryo)		Egg	1.81
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	57.88
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	405.14
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	651.11
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	43.41
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	2025.68
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	14.47
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	14.47
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	43.41
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1157.53
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	144.69
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	144.69
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	376.20
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Meroplankton	Ogyrididae	Ogyrides sp.	Post-larval	289.38
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	72.35
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	1533.73
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Megalopae	607.70
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Meroplankton	Pinnotheridae		Megalopae	144.69
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	14.47
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Holoplankton	Copepoda			151405.32
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Holoplankton	Mysida			2778.08
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Amphipoda			463.01
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Cumacea			926.03
CFBC	CFBC-03	B	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Ostracoda			926.03
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Ichthyoplankton	Clupeidae		Egg	1.50
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	13.53
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	1.50
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	3.01
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	12.03
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Ichthyoplankton	Ephippidae	Chaetodipterus faber	Post yolk-sac larvae	1.50
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	84.20
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	9.02
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	112.76
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	6.01
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	1.50
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Ichthyoplankton	Syngnathidae	Syngnathus louisianae	Juvenile	3.01
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Ichthyoplankton	Syngnathidae	Syngnathus scovelli	Post yolk-sac larvae	1.50

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Ichthyoplankton	UnID (damaged)		Post yolk-sac larvae	1.50
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Anomura		Zoea	6.01
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	78.18
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	198.47
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	330.78
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	108.25
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	6.01
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Laomedidae	Naushonia crangonoides	Zoea	6.01
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Luciferidae	Lucifer faxoni	Juvenile	6.01
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	24.06
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Panopeidae		Zoea	896.11
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Panopeidae		Megalopae	24.06
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Squillidae		Post-larval	12.03
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	24.06
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Holoplankton	Chaetognatha			6.01
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Holoplankton	Copepoda			757.78
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Cirripedia			42.10
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Gastropoda			60.14
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Collembola			6.01
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda			420.99
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Isopoda			42.10
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Ostracoda			6.01
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Polychaeta			6.01
CFBC	CFBC-03	A	Day	June 4-5, 2008	7	Meroplankton	Tunicata			6.01
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Ichthyoplankton	UnID (no embryo)		Egg	27.45
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	27.45
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	274.54
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	41.18
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	233.36
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	13.73
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	13.73
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Ichthyoplankton	Syngnathidae	Syngnathus louisianae	Post yolk-sac larvae	13.73
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	27.45
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	274.54
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	123.54
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	164.72
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	452.99
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	13.73
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Meroplankton	Panopeidae		Zoea	1290.32
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Meroplankton	Panopeidae		Megalopae	54.91
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	13.73
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Meroplankton	Pinnotheridae		Zoea	13.73
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	109.81
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Holoplankton	Copepoda			5051.48
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Meroplankton	Gastropoda			219.63
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda			1153.05
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Polychaeta			54.91
CFBC	CFBC-03	B	Day	June 4-5, 2008	7	Meroplankton	Tunicata			54.91
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	12.97
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Ichthyoplankton	Cynoglossidae	Symphurus plagiosa	Post yolk-sac larvae	12.97
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	2.59
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	75.22
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	5.19
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	46.69
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	5.19
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	70.03
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	5.19
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	25.94
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	5.19
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	41.50
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	186.75
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	145.25
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	31.12
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Ogyrididae	Ogyrides sp.	Adult	10.37
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	51.87
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Adult	10.37
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Panopeidae		Zoea	1483.59
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Panopeidae		Megalopae	62.25
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	31.12
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Pinnotheridae		Megalopae	31.12
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Porcellanidae	Polyonyx gibbesi	Megalopae	10.37
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	20.75
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Unidentified shrimp		Zoea	31.12
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Holoplankton	Copepoda			18508.62
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Holoplankton	Mysida			2323.95
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Meroplankton	Cirripedia			124.50
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda			580.99
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Cumacea			207.50
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Isopoda			41.50
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Ostracoda			41.50
CFBC	CFBC-03	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Tanaidacea			41.50
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	13.27
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Ichthyoplankton	Blenniidae		Juvenile	13.27
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Ichthyoplankton	Cynoglossidae	Symphurus plagiosa	Post yolk-sac larvae	26.54

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	212.31
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	159.23
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	66.35
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	13.27
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	159.23
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	53.08
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Meroplankton	Ogyrididae	Ogyrides sp.	Post-larval	53.08
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	53.08
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Meroplankton	Panopeidae		Zoea	1326.92
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Meroplankton	Panopeidae		Megalopae	53.08
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	106.15
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Meroplankton	Unidentified shrimp		Zoea	159.23
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Holoplankton	Copepoda			28024.55
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Holoplankton	Mysida			1486.15
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda			1910.76
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Cumacea			424.61
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Isopoda			212.31
CFBC	CFBC-03	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Ostracoda			212.31
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Ichthyoplankton	Engraulidae		Egg	29.00
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Ichthyoplankton	Carangidae	Oligoplites saurus	Post yolk-sac larvae	2.42
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	4.83
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	2.42
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	2.42
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	2.42
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	31.42
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	19.34
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	118.43
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	31.42
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	4.83
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	2.42
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Meroplankton	Panopeidae		Zoea	263.44
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Meroplankton	Pinnotheridae		Zoea	2.42
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	4.83
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	38.67
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Holoplankton	Copepoda			570.39
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Meroplankton	Cirripedia			38.67
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Meroplankton	Gastropoda			9.67
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Collembola			9.67
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Amphipoda			48.34
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Isopoda			19.34
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Polychaeta			9.67
CFBC	CFBC-03	A	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Pycnogonida			9.67
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Ichthyoplankton	Engraulidae		Egg	20.42
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.28
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Ichthyoplankton	Carangidae	Oligoplites saurus	Post yolk-sac larvae	1.28
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	3.83
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Ichthyoplankton	Gobiesocidae	Gobiosox strumosus	Post yolk-sac larvae	1.28
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	3.83
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	1.28
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Ichthyoplankton	Ostracidae	Lactophrys triqueter	Post yolk-sac larvae	1.28
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	3.83
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	6.38
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Meroplankton	Callinassidae	Callinassa sp.	Zoea	1.28
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	162.05
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	48.49
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	5.10
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Meroplankton	Laomedidae	Naushonia crangonoides	Zoea	1.28
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	11.48
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Meroplankton	Panopeidae		Zoea	255.20
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	40.83
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Holoplankton	Chaetognatha			2.55
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Holoplankton	Copepoda			117.39
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Holoplankton	Mysida			1.28
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Meroplankton	Cirripedia			1.28
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Meroplankton	Gastropoda			1.28
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Collembola			1.28
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Amphipoda			105.91
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Branchiura			1.28
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Isopoda			28.07
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Polychaeta			5.10
CFBC	CFBC-03	B	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Pycnogonida			2.55
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	11.18
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	17.38
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.24
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Ichthyoplankton	Carangidae	Oligoplites saurus	Post yolk-sac larvae	1.24
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	2.48
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	158.95
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	4.97
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	54.64
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	1.24
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	136.60
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	3.73
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	16.14
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	1.24

A-5 CFBC Plankton Data

		Replic	Day or						Developmental	Density (#/100
Site	Station	ate	Night	Date		Plankton Type	Taxon	Genus Species	Stage	cubic meters)
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	89.41
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	496.71
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Meroplankton	Callianassidae	Callianassa sp.	Zoea	49.67
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	437.10
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	79.47
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Meroplankton	Panopeidae		Zoea	198.68
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Meroplankton	Panopeidae		Megalopae	99.34
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	19.87
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Holoplankton	Copepoda			7251.96
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Holoplankton	Mysida			158.95
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Meroplankton	Gastropoda			19.87
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Collembola			19.87
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Amphipoda			79.47
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Cumacea			59.61
CFBC	CFBC-03	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Isopoda			178.82
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Ichthyoplankton	Engraulidae		Egg	8.59
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	22.91
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	4.30
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Ichthyoplankton	Cynoglossidae	Symphurus plagiatus	Post yolk-sac larvae	1.43
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	30.07
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	4.30
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	27.21
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	93.08
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	2.86
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	17.18
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	4.30
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Ichthyoplankton	Sciaenidae	Menticirrhus sp.	Post yolk-sac larvae	1.43
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	80.19
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	973.79
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Meroplankton	Callianassidae	Callianassa sp.	Zoea	22.91
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	343.69
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	103.11
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Meroplankton	Ogyrididae	Ogyrides alphaerostris	Post-larval	11.46
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	80.19
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Meroplankton	Panopeidae		Zoea	103.11
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Meroplankton	Panopeidae		Megalopae	469.71
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	34.37
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Meroplankton	Pinnotheridae		Megalopae	22.91
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	11.46
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	45.83
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Holoplankton	Copepoda			6048.98
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Holoplankton	Mysida			687.38
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Amphipoda			320.78
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Cumacea			274.95
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Isopoda			274.95
CFBC	CFBC-03	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Ostracoda			45.83
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Ichthyoplankton	Engraulidae		Egg	50.56
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.40
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	2.81
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	32.30
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	12.64
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	2.81
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	5.62
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	112.36
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Meroplankton	Callianassidae	Callianassa sp.	Zoea	11.24
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	28.09
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	28.09
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	1252.81
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Meroplankton	Panopeidae		Megalopae	22.47
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	11.24
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Meroplankton	UnID Brachyura		Megalopae	5.62
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Holoplankton	Chaetognatha			4.21
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Holoplankton	Copepoda			19.66
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Meroplankton	Gastropoda			18.26
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Amphipoda			8.43
CFBC	CFBC-03	A	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Ostracoda			1.40
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Ichthyoplankton	Engraulidae		Egg	38.89
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	2.78
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	5.56
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	43.06
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	54.17
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	2.78
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	2.78
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	36.11
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	1.39
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	244.44
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	233.33
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	33.33
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	88.89
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	11.11
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	11.11
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	33.33
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	2488.89
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Meroplankton	Panopeidae		Megalopae	33.33

A-5 CFBC Plankton Data

		Replic	Day or						Developmental	Density (#/100
Site	Station	ate	Night	Date	Plankton Type	Taxon	Genus Species	Stage	cubic meters)	
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Meroplankton	Pinnotheridae	Zoea		44.44
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Meroplankton	Pinnotheridae	Megalopae		11.11
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	11.11
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	22.22
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Holoplankton	Chaetognatha			11.11
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Holoplankton	Copepoda			177.78
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Meroplankton	Gastropoda			33.33
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Amphipoda			33.33
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Branchiura			11.11
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Isopoda			11.11
CFBC	CFBC-03	B	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Polychaeta			11.11
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Ichthyoplankton	Engraulidae		Egg	804.05
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	74.32
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	13.51
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	20.27
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	6.76
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	6.76
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Meroplankton	Alpheidae	Alpheus sp.	Post-larval	27.03
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	567.57
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Meroplankton	Callianassidae	Callianassa sp.	Zoea	27.03
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Meroplankton	Ogyrididae	Ogyrides alphaerostis	Post-larval	27.03
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Meroplankton	Palaemonidae	Periclimenes sp.	Post-larval	81.08
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	783.78
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Megalopae	189.19
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	108.11
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Meroplankton	Pinnotheridae		Megalopae	27.03
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Meroplankton	UnID Thalassinidea		Post-larval	27.03
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	54.05
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Holoplankton	Copepoda			47027.03
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Holoplankton	Mysida			432.43
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Meroplankton	Bivalvia			324.32
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Meroplankton	Cirripedia			216.22
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Meroplankton	Gastropoda			108.11
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Amphipoda			108.11
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Cumacea			972.97
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Isopoda			108.11
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Ostracoda			108.11
CFBC	CFBC-03	A	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Tanaidacea			108.11
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Ichthyoplankton	Engraulidae		Egg	2320.11
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Ichthyoplankton	UnID (no embryo)		Egg	13.45
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	47.07
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	26.90
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	33.62
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	6.72
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	6.72
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Ichthyoplankton	Syngnathidae	Syngnathus scovelli	Post yolk-sac larvae	6.72
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	282.45
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	497.65
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Callianassidae	Callianassa sp.	Zoea	6.72
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	40.35
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	87.42
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	26.90
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	269.00
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Hippolytidae	Hippolyte sp.	Juvenile	13.45
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Ogyrididae	Ogyrides sp.	Post-larval	20.17
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	6.72
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	477.47
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Megalopae	141.22
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Penaeidae	Farfantepenaeus duorarum	Post-larval	73.97
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Pinnotheridae		Zoea	20.17
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Pinnotheridae		Megalopae	20.17
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	60.52
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Portunidae	Callinectes sp.	Megalopae	6.72
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	UnID Caridea		Post-larval	6.72
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	UnID Thalassinidea		Post-larval	26.90
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	13.45
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	6.72
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Holoplankton	Copepoda			28298.59
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Holoplankton	Mysida			322.80
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Bivalvia			322.80
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Cirripedia			322.80
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Meroplankton	Gastropoda			215.20
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Cumacea			322.80
CFBC	CFBC-03	B	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Isopoda			107.60
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Egg	83.06
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	7.38
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	22.15
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Yolk-sac larvae	7.38
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	42.45
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	40.61
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	1.85
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	1.85
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	177.19
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	177.19

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Meroplankton	Callianassidae		Zoea	59.06
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	236.25
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	531.56
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	29354.01
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Meroplankton	Panopeidae		Megalopae	177.19
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Meroplankton	Pinnotheridae		Juvenile	59.06
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	59.06
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Holoplankton	Copepoda			265.78
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Meroplankton	Cirripedia			1122.19
CFBC	CFBC-03	A	Day	August 6-7, 2008	10	Pseudoplankton/ Benthos	Amphipoda			88.59
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Egg	227.47
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	122.48
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	87.49
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	69.99
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	17.50
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	17.50
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	17.50
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Ichthyoplankton	UnID		Yolk-sac larvae	17.50
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	909.89
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1469.82
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Meroplankton	Callianassidae		Zoea	69.99
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	279.97
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	69.99
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	209.97
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	19247.59
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Meroplankton	Panopeidae		Megalopae	139.98
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	69.99
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Meroplankton	Portunidae	Callinectes sp.	Juvenile	69.99
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Holoplankton	Copepoda			6719.16
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Holoplankton	Mysida			209.97
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Meroplankton	Bivalvia			139.98
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Meroplankton	Cirripedia			12458.44
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Meroplankton	Gastropoda			349.96
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Pseudoplankton/ Benthos	Amphipoda			69.99
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Pseudoplankton/ Benthos	Isopoda			209.97
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Pseudoplankton/ Benthos	Nudibranchia			69.99
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Pseudoplankton/ Benthos	Ostracoda			69.99
CFBC	CFBC-03	B	Day	August 6-7, 2008	10	Pseudoplankton/ Benthos	Polychaeta			209.97
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Egg	1059.48
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	3.38
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	27.04
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Cynoglossidae	Symphurus plagiosa	Post yolk-sac larvae	3.38
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	42.24
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Yolk-sac larvae	1.69
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	386.96
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	15.21
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	114.90
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	96.32
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Ctenogobius boleosoma	Post yolk-sac larvae	1.69
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	64.21
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	5.07
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	20.28
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	3.38
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae	Sciaenops ocellatus	Post yolk-sac larvae	1.69
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	UnID		Yolk-sac larvae	23.66
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Ichthyoplankton	UnID (fragment)			5.07
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	2703.62
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	2325.11
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Callianassidae		Zoea	270.36
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1243.66
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	54.07
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	108.14
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	13301.79
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Panopeidae		Megalopae	216.29
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Penaeidae		Post-larval	54.07
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	108.14
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Pinnotheridae		Megalopae	54.07
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	54.07
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Porcellanidae	Polyonyx gibbesi	Megalopae	54.07
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	540.72
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	54.07
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Holoplankton	Copepoda			13734.37
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Holoplankton	Mysida			1243.66
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Cirripedia			4704.29
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Meroplankton	Gastropoda			108.14
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Amphipoda			162.22
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Cumacea			757.01
CFBC	CFBC-03	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Isopoda			54.07
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Egg	2253.91
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	8.59
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	46.38
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Cynoglossidae	Symphurus plagiosa	Post yolk-sac larvae	1.72
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	30.92
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Yolk-sac larvae	10.31

A-5 CFBC Plankton Data

Replic ate						Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Anchoa mitchilli		Post yolk-sac larvae	180.38
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gerreidae				Post yolk-sac larvae	51.54
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae				Post yolk-sac larvae	176.95
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Bathygobius soporator		Post yolk-sac larvae	154.61
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Gobiosoma bosc		Post yolk-sac larvae	54.97
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Microgobius gulosus		Post yolk-sac larvae	29.20
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Microgobius thalassinus		Post yolk-sac larvae	36.08
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Paralichthyidae				Post yolk-sac larvae	1.72
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Perciformes				Post yolk-sac larvae	1.72
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae				Post yolk-sac larvae	5.15
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae		Cynoscion nebulosus		Post yolk-sac larvae	3.44
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	Triglidae				Post yolk-sac larvae	1.72
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	UnID				Yolk-sac larvae	56.69
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Ichthyoplankton	UnID (fragment)					5.15
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Meroplankton	Brachyura		Armases/Sesarma/Uca complex		Zoea	1264.39
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Meroplankton	Brachyura		Armases/Sesarma/Uca complex		Megalopae	494.76
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Meroplankton	Caridea		Periclimenes/Thor complex		Zoea	384.81
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Meroplankton	Palaemonidae		Palaemonetes sp.		Zoea	54.97
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Meroplankton	Panopeidae				Zoea	2803.64
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Meroplankton	Panopeidae				Megalopae	54.97
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Meroplankton	Pinnotheridae				Zoea	54.97
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Meroplankton	Porcellanidae		Polyonyx gibbesi		Zoea	329.84
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Meroplankton	Upogebidae		Upogebia affinis		Zoea	164.92
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Holoplankton	Copepoda					3683.22
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Holoplankton	Mysida					384.81
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Meroplankton	Cirripedia					439.79
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Meroplankton	Gastropoda					54.97
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Amphipoda					54.97
CFBC	CFBC-03	B	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Cumacea					164.92
Achloridae/Carangidae/ Haemulidae/Paralichthyidae/Sciaenidae/Serranidae complex												
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Ichthyoplankton	Engraulidae				Egg	12.99
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Ichthyoplankton	Engraulidae				Egg	59.37
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Ichthyoplankton	Engraulidae				Post yolk-sac larvae	50.09
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae				Post yolk-sac larvae	83.49
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Bathygobius soporator		Post yolk-sac larvae	3.71
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Gobiosoma bosc		Post yolk-sac larvae	9.28
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Microgobius gulosus		Post yolk-sac larvae	3.71
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Microgobius thalassinus		Post yolk-sac larvae	1.86
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae		Cynoscion nebulosus		Post yolk-sac larvae	11.13
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae		Sciaenops ocellatus		Post yolk-sac larvae	1.86
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Anomura				Zoea	14.84
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Brachyura		Armases/Sesarma/Uca complex		Zoea	860.85
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Brachyura		Armases/Sesarma/Uca complex		Megalopae	356.22
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Callianassidae				Zoea	14.84
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Caridea		Periclimenes/Thor complex		Zoea	133.58
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Caridea		Periclimenes/Thor complex		Post-larval	118.74
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Luciferidae		Lucifer faxoni		Zoea	59.37
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Luciferidae		Lucifer faxoni		Post-larval	14.84
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Luciferidae		Lucifer faxoni		Adult	133.58
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Palaemonidae		Palaemonetes spp.		Zoea	89.05
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Panopeidae				Zoea	1380.33
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Panopeidae				Megalopae	148.42
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Pinnotheridae				Zoea	237.48
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Pinnotheridae				Juvenile	14.84
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Porcellanidae		Polyonyx gibbesi		Zoea	14.84
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Holoplankton	Chaetognatha					59.37
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Holoplankton	Copepoda					1053.80
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Cirripedia					44.53
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Meroplankton	Gastropoda					118.74
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Amphipoda					29.68
CFBC	CFBC-03	A	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Polychaeta					14.84
Achloridae/Carangidae/ Haemulidae/Sciaenidae/ Serranidae complex												
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Ichthyoplankton					Egg	3.65
Carangidae/Haemulidae/ Merlucciidae/Paralichthyidae/Sciaenidae/Serranidae complex												
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Ichthyoplankton	Engraulidae				Egg	5.47
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Ichthyoplankton	Engraulidae				Egg	29.19
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Ichthyoplankton	Engraulidae				Post yolk-sac larvae	31.01
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Ichthyoplankton	Ephippidae		Chaetodipterus faber		Post yolk-sac larvae	1.82
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiesocidae		Gobiesox strumosus		Post yolk-sac larvae	1.82
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae				Post yolk-sac larvae	40.13
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Bathygobius soporator		Post yolk-sac larvae	1.82
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Gobiosoma bosc		Post yolk-sac larvae	7.30
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Microgobius thalassinus		Post yolk-sac larvae	3.65
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae				Post yolk-sac larvae	1.82
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae		Cynoscion nebulosus		Post yolk-sac larvae	5.47
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Ichthyoplankton	Syngnathidae		Syngnathus louisianae		Juvenile	1.82
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Ichthyoplankton	Syngnathidae		Syngnathus scovelli		Post yolk-sac larvae	1.82
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Brachyura		Armases/Sesarma/Uca complex		Zoea	1021.52
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Brachyura		Armases/Sesarma/Uca complex		Megalopae	1722.00
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Callianassidae				Zoea	116.75
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Caridea		Periclimenes/Thor complex		Zoea	58.37

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	116.75
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	87.56
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	116.75
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Adult	262.68
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	175.12
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	4611.46
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Panopeidae		Megalopae	437.80
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Zoea	291.86
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Megalopae	29.19
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Unidentified shrimp		Zoea	379.42
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Holoplankton	Chaetognatha			27.36
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Holoplankton	Copepoda			304.63
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Meroplankton	Gastropoda			14.59
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Collembola			1.82
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Amphipoda			18.24
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Branchiura			1.82
CFBC	CFBC-03	B	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Isopoda			3.65
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Ichthyoplankton	Engraulidae		Egg	14.73
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Ichthyoplankton	UnID (no embryo)		Egg	7.36
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	228.28
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	7.36
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	51.55
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	88.37
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	29.46
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	7.36
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	7.36
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	7.36
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Ichthyoplankton	UnID		Yolk-sac larvae	51.55
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	88.37
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1325.48
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Callinassidae		Zoea	88.37
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	117.82
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	29.46
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	235.64
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	117.82
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Adult	29.46
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Ogyrididae	Ogyrides alphaerostris	Post-larval	58.91
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Paguridae	Pagurus spp.	Zoea	29.46
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	29.46
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	1443.30
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Megalopae	29.46
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Post-larval	29.46
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Megalopae	88.37
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Porcellanidae	Polyonyx gibbesi	Megalopae	29.46
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Portunidae	Callinectes spp.	Juvenile	58.91
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	UnID Thalassinidea		Post-larval	58.91
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	29.46
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	29.46
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Holoplankton	Copepoda			43711.34
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Holoplankton	Mysida			2592.05
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Bivalvia			2474.23
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Cirripedia			471.28
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Gastropoda			1531.66
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Meroplankton	Tunicata			4005.89
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Amphipoda			471.28
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Cumacea			1767.30
CFBC	CFBC-03	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Polychaeta			1178.20
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Ichthyoplankton	UnID (no embryo)		Egg	39.37
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	7.87
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	7.87
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	7.87
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	94.49
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	15.75
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	7.87
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	15.75
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	7.87
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Ichthyoplankton	Triglidae		Post yolk-sac larvae	7.87
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Ichthyoplankton	UnID		Yolk-sac larvae	31.50
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Anomura		Zoea	157.48
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Anomura		Megalopae	31.50
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	2267.72
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Callinassidae		Zoea	188.98
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	157.48
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	251.97
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	31.50
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	31.50
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	503.94
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	188.98
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Adult	125.98
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Ogyrididae	Ogyrides spp.	Post-larval	94.49
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Ogyrididae	Ogyrides spp.	Adult	125.98
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	2929.13
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Megalopae	314.96
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Zoea	188.98

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Megalopae	220.47
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	157.48
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Portunidae	Callinectes spp.	Juvenile	31.50
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	188.98
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Holoplankton	Copepoda			37795.28
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Holoplankton	Mysida			1259.84
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Bivalvia			251.97
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Gastropoda			1637.80
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Meroplankton	Tunicata			4913.39
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Amphipoda			629.92
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Branchiura			125.98
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Cumacea			3779.53
CFBC	CFBC-03	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Polychaeta			629.92
CFBC	CFBC-03	A	Day	September 15, 2008	12	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1.83
CFBC	CFBC-03	A	Day	September 15, 2008	12	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	5.48
CFBC	CFBC-03	A	Day	September 15, 2008	12	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	3.66
CFBC	CFBC-03	A	Day	September 15, 2008	12	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	1.83
CFBC	CFBC-03	A	Day	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	43.87
CFBC	CFBC-03	A	Day	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	87.74
CFBC	CFBC-03	A	Day	September 15, 2008	12	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Post-larval	58.49
CFBC	CFBC-03	A	Day	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	14.62
CFBC	CFBC-03	A	Day	September 15, 2008	12	Meroplankton	Panopeidae		Zoea	1915.55
CFBC	CFBC-03	A	Day	September 15, 2008	12	Meroplankton	Panopeidae		Megalopae	58.49
CFBC	CFBC-03	A	Day	September 15, 2008	12	Meroplankton	Cirripedia			14.62
CFBC	CFBC-03	A	Day	September 15, 2008	12	Meroplankton	Gastropoda			14.62
CFBC	CFBC-03	B	Day	September 15, 2008	12	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	6.91
CFBC	CFBC-03	B	Day	September 15, 2008	12	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	13.81
CFBC	CFBC-03	B	Day	September 15, 2008	12	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	13.81
CFBC	CFBC-03	B	Day	September 15, 2008	12	Ichthyoplankton	Gobiidae	Gobiosoma gulosus	Post yolk-sac larvae	6.91
CFBC	CFBC-03	B	Day	September 15, 2008	12	Ichthyoplankton	Sciaenidae	Sciaenops ocellatus	Post yolk-sac larvae	6.91
CFBC	CFBC-03	B	Day	September 15, 2008	12	Ichthyoplankton	UnID		Yolk-sac larvae	13.81
CFBC	CFBC-03	B	Day	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	1104.97
CFBC	CFBC-03	B	Day	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	89.78
CFBC	CFBC-03	B	Day	September 15, 2008	12	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	41.44
CFBC	CFBC-03	B	Day	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	6.91
CFBC	CFBC-03	B	Day	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.	Post-larval	27.62
CFBC	CFBC-03	B	Day	September 15, 2008	12	Meroplankton	Panopeidae		Zoea	1146.41
CFBC	CFBC-03	B	Day	September 15, 2008	12	Meroplankton	Panopeidae		Megalopae	75.97
CFBC	CFBC-03	B	Day	September 15, 2008	12	Holoplankton	Copepoda			752.76
CFBC	CFBC-03	B	Day	September 15, 2008	12	Meroplankton	Cirripedia			331.49
CFBC	CFBC-03	B	Day	September 15, 2008	12	Meroplankton	Gastropoda			13.81
CFBC	CFBC-03	B	Day	September 15, 2008	12	Meroplankton	Tunicata			55.25
CFBC	CFBC-03	B	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Amphipoda			6.91
CFBC	CFBC-03	B	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Isopoda			6.91
CFBC	CFBC-03	B	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Oligochaeta			6.91
CFBC	CFBC-03	B	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Polychaeta			6.91
CFBC	CFBC-03	A	Night	September 15, 2008	12	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.65
CFBC	CFBC-03	A	Night	September 15, 2008	12	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.65
CFBC	CFBC-03	A	Night	September 15, 2008	12	Ichthyoplankton	Engraulidae		Yolk-sac larvae	1.65
CFBC	CFBC-03	A	Night	September 15, 2008	12	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	6.60
CFBC	CFBC-03	A	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	18.14
CFBC	CFBC-03	A	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	1.65
CFBC	CFBC-03	A	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	3.30
CFBC	CFBC-03	A	Night	September 15, 2008	12	Ichthyoplankton	Sciaenidae	Menticirhus americanus	Post yolk-sac larvae	1.65
CFBC	CFBC-03	A	Night	September 15, 2008	12	Ichthyoplankton	UnID		Yolk-sac larvae	1.65
CFBC	CFBC-03	A	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	13.19
CFBC	CFBC-03	A	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1741.71
CFBC	CFBC-03	A	Night	September 15, 2008	12	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	52.78
CFBC	CFBC-03	A	Night	September 15, 2008	12	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	13.19
CFBC	CFBC-03	A	Night	September 15, 2008	12	Meroplankton	Panopeidae		Zoea	395.84
CFBC	CFBC-03	A	Night	September 15, 2008	12	Meroplankton	Panopeidae		Megalopae	79.17
CFBC	CFBC-03	A	Night	September 15, 2008	12	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	26.39
CFBC	CFBC-03	A	Night	September 15, 2008	12	Holoplankton	Copepoda			1794.49
CFBC	CFBC-03	A	Night	September 15, 2008	12	Holoplankton	Mysida			501.40
CFBC	CFBC-03	A	Night	September 15, 2008	12	Meroplankton	Bivalvia			52.78
CFBC	CFBC-03	A	Night	September 15, 2008	12	Meroplankton	Cirripedia			329.87
CFBC	CFBC-03	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Amphipoda			26.39
CFBC	CFBC-03	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Branchiura			13.19
CFBC	CFBC-03	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Cumacea			26.39
CFBC	CFBC-03	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Ostracoda			13.19
CFBC	CFBC-03	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Polychaeta			26.39
CFBC	CFBC-03	B	Night	September 15, 2008	12	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	7.46
CFBC	CFBC-03	B	Night	September 15, 2008	12	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	7.46
CFBC	CFBC-03	B	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	16.79
CFBC	CFBC-03	B	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	1.87
CFBC	CFBC-03	B	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	18.66
CFBC	CFBC-03	B	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	365.67
CFBC	CFBC-03	B	Night	September 15, 2008	12	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	175.37
CFBC	CFBC-03	B	Night	September 15, 2008	12	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Post-larval	7.46
CFBC	CFBC-03	B	Night	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.	Post-larval	11.19
CFBC	CFBC-03	B	Night	September 15, 2008	12	Meroplankton	Panopeidae		Zoea	279.85
CFBC	CFBC-03	B	Night	September 15, 2008	12	Meroplankton	Panopeidae		Megalopae	29.85
CFBC	CFBC-03	B	Night	September 15, 2008	12	Meroplankton	Panopeidae	Farfantepenaeus aztecus	Post-larval	3.73
CFBC	CFBC-03	B	Night	September 15, 2008	12	Meroplankton	Pinnotheridae		Megalopae	29.85

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-03	B	Night	September 15, 2008	12	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	3.73
CFBC	CFBC-03	B	Night	September 15, 2008	12	Holoplankton	Copepoda			1044.78
CFBC	CFBC-03	B	Night	September 15, 2008	12	Holoplankton	Mysida			78.36
CFBC	CFBC-03	B	Night	September 15, 2008	12	Meroplankton	Bivalvia			11.19
CFBC	CFBC-03	B	Night	September 15, 2008	12	Meroplankton	Cirripedia			208.96
CFBC	CFBC-03	B	Night	September 15, 2008	12	Meroplankton	Gastropoda			3.73
CFBC	CFBC-03	B	Night	September 15, 2008	12	Meroplankton	Tunicata			3.73
CFBC	CFBC-03	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Amphipoda			22.39
CFBC	CFBC-03	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Cumacea			11.19
CFBC	CFBC-03	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Isopoda			7.46
CFBC	CFBC-03	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Ostracoda			3.73
CFBC	CFBC-03	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Polychaeta			3.73
CFBC	CFBC-03	A	Day	October 28, 2008	13	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	3.81
CFBC	CFBC-03	A	Day	October 28, 2008	13	Ichthyoplankton	UnID		Yolk-sac larvae	22.84
CFBC	CFBC-03	A	Day	October 28, 2008	13	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	3.81
CFBC	CFBC-03	A	Day	October 28, 2008	13	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	15.22
CFBC	CFBC-03	A	Day	October 28, 2008	13	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	83.73
CFBC	CFBC-03	A	Day	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	15.22
CFBC	CFBC-03	A	Day	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	190.29
CFBC	CFBC-03	A	Day	October 28, 2008	13	Meroplankton	Panopeidae		Megalopae	26.64
CFBC	CFBC-03	A	Day	October 28, 2008	13	Meroplankton	Pinnotheridae		Zoea	3.81
CFBC	CFBC-03	A	Day	October 28, 2008	13	Holoplankton	Copepoda			707.90
CFBC	CFBC-03	A	Day	October 28, 2008	13	Holoplankton	Mysida			15.22
CFBC	CFBC-03	A	Day	October 28, 2008	13	Meroplankton	Cirripedia			487.16
CFBC	CFBC-03	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Insecta			7.61
CFBC	CFBC-03	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Amphipoda			144.62
CFBC	CFBC-03	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Isopoda			38.06
CFBC	CFBC-03	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Ostracoda			30.45
CFBC	CFBC-03	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Polychaeta			7.61
CFBC	CFBC-03	B	Day	October 28, 2008	13	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	7.69
CFBC	CFBC-03	B	Day	October 28, 2008	13	Ichthyoplankton	UnID		Yolk-sac larvae	52.29
CFBC	CFBC-03	B	Day	October 28, 2008	13	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	3.08
CFBC	CFBC-03	B	Day	October 28, 2008	13	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	26.15
CFBC	CFBC-03	B	Day	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	53.83
CFBC	CFBC-03	B	Day	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Post-larval	1.54
CFBC	CFBC-03	B	Day	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	36.91
CFBC	CFBC-03	B	Day	October 28, 2008	13	Meroplankton	Panopeidae		Megalopae	12.30
CFBC	CFBC-03	B	Day	October 28, 2008	13	Meroplankton	Pinnotheridae		Zoea	1.54
CFBC	CFBC-03	B	Day	October 28, 2008	13	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	3.08
CFBC	CFBC-03	B	Day	October 28, 2008	13	Holoplankton	Copepoda			273.76
CFBC	CFBC-03	B	Day	October 28, 2008	13	Holoplankton	Mysida			10.77
CFBC	CFBC-03	B	Day	October 28, 2008	13	Meroplankton	Cirripedia			66.13
CFBC	CFBC-03	B	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Collembola			1.54
CFBC	CFBC-03	B	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Amphipoda			115.35
CFBC	CFBC-03	B	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Branchiura			1.54
CFBC	CFBC-03	B	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Isopoda			12.30
CFBC	CFBC-03	B	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Polychaeta			3.08
CFBC	CFBC-03	A	Night	October 28, 2008	13	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	17.00
CFBC	CFBC-03	A	Night	October 28, 2008	13	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	1.55
CFBC	CFBC-03	A	Night	October 28, 2008	13	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	1.55
CFBC	CFBC-03	A	Night	October 28, 2008	13	Ichthyoplankton	Gobiidae	Microgobius spp.	Post yolk-sac larvae	1.55
CFBC	CFBC-03	A	Night	October 28, 2008	13	Ichthyoplankton	UnID		Yolk-sac larvae	27.83
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	7.73
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	3.09
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	61.83
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Post-larval	1.55
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Adult	7.73
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	32.46
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	6.18
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Hippolytidae	Hippolyte spp.	Adult	1.55
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Hippolytidae	Tozeuma spp.	Post-larval	1.55
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	1.55
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	1.55
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	43.28
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Post-larval	4.64
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	63.38
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Panopeidae		Megalopae	29.37
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Penaeidae	Farfantepenaeus duorarum	Post-larval	4.64
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Penaeidae	Farfantepenaeus spp.	Juvenile	3.09
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Pinnotheridae		Zoea	15.46
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Pinnotheridae		Megalopae	3.09
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	6.18
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Portunidae	Callinectes spp.	Juvenile	1.55
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	7.73
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	1.55
CFBC	CFBC-03	A	Night	October 28, 2008	13	Holoplankton	Chaetognatha			395.73
CFBC	CFBC-03	A	Night	October 28, 2008	13	Holoplankton	Copepoda			33637.35
CFBC	CFBC-03	A	Night	October 28, 2008	13	Meroplankton	Gastropoda			593.60
CFBC	CFBC-03	A	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Amphipoda			593.60
CFBC	CFBC-03	A	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Branchiura			197.87
CFBC	CFBC-03	A	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Cumacea			197.87
CFBC	CFBC-03	B	Night	October 28, 2008	13	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	11.55
CFBC	CFBC-03	B	Night	October 28, 2008	13	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	12.99
CFBC	CFBC-03	B	Night	October 28, 2008	13	Ichthyoplankton	Gobiesocidae	Gobiosox strumosus	Post yolk-sac larvae	1.44

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-03	B	Night	October 28, 2008	13	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	4.33
CFBC	CFBC-03	B	Night	October 28, 2008	13	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	1.44
CFBC	CFBC-03	B	Night	October 28, 2008	13	Ichthyoplankton	Syngnathidae	Syngnathus scovelli	Post yolk-sac larvae	1.44
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	24.55
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	40.43
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	4.33
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	54.87
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Hippolytidae	Hippolyte spp.	Juvenile	5.78
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Luciferidae	Lucifer faxoni	Juvenile	1.44
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	15.88
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Post-larval	1.44
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Juvenile	2.89
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	23.10
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Panopeidae		Megalopae	57.75
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Penaidea		Post-larval	4.33
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Pinnotheridae		Zoea	10.11
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	1.44
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Portunidae	Arenaeus cribrarius	Megalopae	1.44
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	4.33
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	4.33
CFBC	CFBC-03	B	Night	October 28, 2008	13	Holoplankton	Chaetognatha			369.62
CFBC	CFBC-03	B	Night	October 28, 2008	13	Holoplankton	Copepoda			37886.23
CFBC	CFBC-03	B	Night	October 28, 2008	13	Holoplankton	Mysida			369.62
CFBC	CFBC-03	B	Night	October 28, 2008	13	Meroplankton	Cirripedia			184.81
CFBC	CFBC-03	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Amphipoda			739.24
CFBC	CFBC-03	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Branchiura			184.81
CFBC	CFBC-03	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Cumacea			184.81
CFBC	CFBC-03	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Isopoda			369.62
CFBC	CFBC-03	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Platyhelminthes			184.81
CFBC	CFBC-03	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Polychaeta			184.81
CFBC	CFBC-03	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Tanaidacea			184.81
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	6.98
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	1.75
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	1.75
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	3.49
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	3.49
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	8.73
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Meroplankton	Paguridae	Pagurus longicarpus	Zoea	5.24
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	10.47
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	54.12
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Meroplankton	Pinnotheridae		Zoea	12.22
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Meroplankton	UnID Brachyura		Zoea	1.75
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Holoplankton	Chaetognatha			71.58
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Holoplankton	Copepoda			427.72
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Meroplankton	Cirripedia			31.42
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Meroplankton	Gastropoda			10.47
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Meroplankton	Tunicata			1.75
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Collembola			1.75
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Amphipoda			15.71
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Branchiura			1.75
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Hydrozoa			1.75
CFBC	CFBC-03	A	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Polychaeta			5.24
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	5.16
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	3.44
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	3.44
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	3.44
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	8.60
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	10.32
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	60.22
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Meroplankton	Penaidea	Farfantepenaeus duorarum	Post-larval	1.72
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Meroplankton	Pinnotheridae		Zoea	5.16
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	3.44
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Holoplankton	Chaetognatha			84.31
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Holoplankton	Copepoda			215.07
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Meroplankton	Cirripedia			13.76
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Amphipoda			17.21
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Isopoda			1.72
CFBC	CFBC-03	B	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Polychaeta			6.88
CFBC	CFBC-03	A	Night	November 13-14, 2008	14	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	8.93
CFBC	CFBC-03	A	Night	November 13-14, 2008	14	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	2.98
CFBC	CFBC-03	A	Night	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	2.98
CFBC	CFBC-03	A	Night	November 13-14, 2008	14	Meroplankton	Paguridae	Pagurus spp.	Zoea	1.49
CFBC	CFBC-03	A	Night	November 13-14, 2008	14	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	1.49
CFBC	CFBC-03	A	Night	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	7.44
CFBC	CFBC-03	A	Night	November 13-14, 2008	14	Holoplankton	Chaetognatha			571.60
CFBC	CFBC-03	A	Night	November 13-14, 2008	14	Holoplankton	Copepoda			3191.43
CFBC	CFBC-03	A	Night	November 13-14, 2008	14	Holoplankton	Euphausiacea			23.82
CFBC	CFBC-03	A	Night	November 13-14, 2008	14	Meroplankton	Cirripedia			47.63
CFBC	CFBC-03	A	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Amphipoda			23.82
CFBC	CFBC-03	A	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Cumacea			23.82
CFBC	CFBC-03	B	Night	November 13-14, 2008	14	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.90
CFBC	CFBC-03	B	Night	November 13-14, 2008	14	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	7.58
CFBC	CFBC-03	B	Night	November 13-14, 2008	14	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1.90
CFBC	CFBC-03	B	Night	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	5.69

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-03	B	Night	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	5.69
CFBC	CFBC-03	B	Night	November 13-14, 2008	14	Meroplankton	Panopeidae	Farfantepenaeus duorarum	Post-larval	1.90
CFBC	CFBC-03	B	Night	November 13-14, 2008	14	Meroplankton	Pinnotheridae		Zoea	1.90
CFBC	CFBC-03	B	Night	November 13-14, 2008	14	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	1.90
CFBC	CFBC-03	B	Night	November 13-14, 2008	14	Holoplankton	Chaetognatha			727.82
CFBC	CFBC-03	B	Night	November 13-14, 2008	14	Holoplankton	Copepoda			5140.26
CFBC	CFBC-03	B	Night	November 13-14, 2008	14	Meroplankton	Cirripedia			45.49
CFBC	CFBC-03	B	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Amphipoda			60.65
CFBC	CFBC-03	B	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Polychaeta			30.33
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Holoplankton	Copepoda			71.14
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.65
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Ichthyoplankton	Anchoa mitchilli		Adult	1.65
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	4.96
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	1.65
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Brachyura		Megalopae	6.62
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Cirripedia			11.58
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	205.16
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Hippolytidae	Thor sp.	Zoea	92.65
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Loliginidae	Lolliguncula brevis	Juvenile	3.31
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Adult	443.41
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Hexapanopeus angustifrons	Megalopae	6.62
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Panopeus sp.	Zoea	430.18
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Panopeus sp.	Megalopae	26.47
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Rhithropanopeus harrisi	Zoea	191.93
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Pinnixa sp.	Zoea	840.50
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Tumidotheres maculatus	Zoea	26.47
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	52.95
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Sergestidae		Zoea	39.71
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Sesamidae	Armases sp.	Zoea	6.62
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Sesamidae	Armases sp.	Megalopae	52.95
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Zoea	622.10
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	19.85
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	6.62
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Amphipoda			1.65
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Branchiura			4.96
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Isopoda			1.65
CFBC	CFBC-04	A	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Polychaeta			11.58
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Holoplankton	Chaetognatha			18.41
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Holoplankton	Copepoda			153.97
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Holoplankton	Mysida			36.82
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	38.49
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	6.69
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	1.67
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma sp.	Post yolk-sac larvae	3.35
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	3.35
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Brachyura		Megalopae	6.69
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Brachyura		Megalopae	6.69
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Cirripedia			10.04
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	13.39
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	80.33
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Hippolytidae	Thor sp.	Zoea	120.50
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Adult	1117.99
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Paguridae	Pagurus sp.	Zoea	13.39
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Panopeus sp.	Zoea	448.54
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Panopeus sp.	Megalopae	6.69
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Panopeidae	Rhithropanopeus harrisi	Zoea	60.25
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Pinnixa sp.	Zoea	769.87
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Tumidotheres maculatus	Zoea	26.78
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	20.08
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	1.67
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Sergestidae		Zoea	6.69
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Sesamidae	Armases sp.	Zoea	13.39
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Sesamidae	Armases sp.	Megalopae	40.17
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Post-larval	756.49
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	33.47
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Xanthidae	Menippe mercenaria	Zoea	5.02
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Loliginidae	Lolliguncula brevis	Juvenile	1.67
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Amphipoda			5.02
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Branchiura			1.67
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Cumacea			3.35
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Meroplankton	Gastropoda			63.60
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Isopoda			8.37
CFBC	CFBC-04	B	Day	October 18-19, 2007	1	Pseudoplankton/ Benthos	Polychaeta			13.39
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Holoplankton	Copepoda			7935.25
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Holoplankton	Euphausiidae			82.66
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	8.61
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	8.61
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	3.44
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	10.33
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Brachyura		Megalopae	110.21
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	55.11
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	110.21
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Ocyrodidae	Uca sp.	Zoea	27.55
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	165.32

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Sesamidae	Armas sp.	Megalopae	110.21
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Post-larval	27.55
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	137.76
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Cumacea			192.87
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Polychaeta			82.66
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Holoplankton	Mysida			4628.90
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Yolk-sac larvae	8.61
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	180.82
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiesocidae		Post yolk-sac larvae	1.72
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Callianassidae	Callianassa sp.	Zoea	27.55
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	192.87
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Thor spp.	Zoea	743.93
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	385.74
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Adult	716.38
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Paguridae	Pagurus sp.	Zoea	27.55
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	551.06
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Panopeidae	Hexapanopeus sp.	Zoea	633.72
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Panopeidae		Zoea	1625.62
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Panopeidae		Megalopae	137.76
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Dissodactylus sp.	Zoea	523.51
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Pinnixa sp.	Zoea	2094.02
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Tumidotheres maculatus	Zoea	220.42
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Meroplankton	Sesamidae	Armas sp.	Zoea	82.66
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Amphipoda			110.21
CFBC	CFBC-04	A	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Ostracoda			27.55
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Holoplankton	Chaetognatha			25.97
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Holoplankton	Copepoda			7610.39
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Holoplankton	Mysida			935.06
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	1.62
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	149.35
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Ichthyoplankton	Engraulidae	Anchoa sp.	Post yolk-sac larvae	69.81
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	3.25
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiesocidae		Post yolk-sac larvae	1.62
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	8.12
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	6.49
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	4.87
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Callianassidae	Callianassa sp.	Zoea	51.95
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Cirripedia			25.97
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	675.32
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	285.71
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Hippolytidae	Thor sp.	Zoea	493.51
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	1610.39
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Ocyropidae	Uca sp.	Zoea	25.97
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Panopeidae	Hexapanopeus angustifrons	Megalopae	51.95
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Panopeidae	Panopeus sp.	Zoea	2363.64
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Panopeidae	Panopeus sp.	Megalopae	155.84
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Panopeidae	Rhithropanopeus harrisi	Zoea	51.95
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Pinnixa sp.	Zoea	1454.55
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Pinnotheridae	Tumidotheres maculatus	Zoea	1168.83
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	155.84
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Sergestidae		Zoea	51.95
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Sesamidae	Armas sp.	Zoea	25.97
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Sesamidae	Armas sp.	Megalopae	51.95
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Post-larval	207.79
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Unidentified shrimp		Juvenile	25.97
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	389.61
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	25.97
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Cumacea			259.74
CFBC	CFBC-04	B	Night	October 18-19, 2007	1	Pseudoplankton/ Benthos	Ostracoda			51.95
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Gastropoda			121.11
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Holoplankton	Copepoda			4602.19
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Isopoda			26.91
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Holoplankton	Cladocera			80.74
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Holoplankton	Cirripedia			107.65
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Holoplankton	Chaetognatha			592.09
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Tunicata			26.91
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	60.56
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Adult	26.91
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	18.50
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Paguridae	Pagurus sp.	Zoea	10.09
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Hippolytidae	Thor sp.	Zoea	48.78
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Pinnotheridae		Zoea	20.19
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Panopeidae		Zoea	23.55
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Panopeidae		Megalopae	1.68
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	16.82
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	5.05
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Brachyura	Armas/Uca complex	Zoea	1.68
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	5.05
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	3.36
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Caridea		Post-larval	1.68
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Brachyura		Zoea	5.05
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Meroplankton	Brachyura		Zoea	1.68
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	3.36
CFBC	CFBC-04	A	Day	December 7-8, 2007	2	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	13.46

A-5 CFBC Plankton Data

Replic ate				Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Gastropoda			436.71
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Holoplankton	Copepoda			4749.23
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Pseudoplankton/ Benthos	Isopoda			54.59
CFBC	CFBC-04	B	Day	December 7-8, 2007	2		Holoplankton	Cladocera		
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Cirripedia			272.94
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Holoplankton	Chaetognatha			873.42
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Tunicata			109.18
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	42.65
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Adult	17.06
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Pinnotheridae		Zoea	40.94
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	8.53
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	1.71
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	5.12
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Hippolytidae	Thor sp.	Zoea	59.71
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Brachyura	Armases/Uca complex	Zoea	5.12
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	3.41
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	1.71
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Panopeidae		Zoea	5.12
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Panopeidae		Megalopae	3.41
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Meroplankton	Paguridae		Zoea	1.71
CFBC	CFBC-04	B	Day	December 7-8, 2007	2	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	6.82
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Polychaeta			102.22
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Gastropoda			357.77
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Holoplankton	Copepoda			16201.88
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Amphipoda			255.55
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Holoplankton	Mysida			613.32
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Holoplankton	Chaetognatha			2657.72
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Cumacea			919.98
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Portunidae	Callinectes sapidus	Juvenile	1.60
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	4.79
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Adult	31.94
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Ogyrididae	Ogyrides sp.	Adult	1.60
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Pinnotheridae		Zoea	14.37
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Hippolytidae	Thor sp.	Zoea	14.37
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Paguridae	Pagurus sp.	Zoea	19.17
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	1.60
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	4.79
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	1.60
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Panopeidae		Megalopae	9.58
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Xanthidae	Menippe mercenaria	Zoea	1.60
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Brachyura		Megalopae	11.18
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Brachyura		Zoea	1.60
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	11.18
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Hippolytidae	Hippolyte sp.	Adult	1.60
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Meroplankton	Unidentified shrimp		Juvenile	1.60
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Juvenile	1.60
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	3.19
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Ichthyoplankton	Gerreidae	Eucinostomus sp.	Post yolk-sac larvae	3.19
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	3.19
CFBC	CFBC-04	A	Night	December 7-8, 2007	2	Ichthyoplankton	Paralichthyidae/Sparidae complex		Egg	1.60
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Gastropoda			1540.31
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Holoplankton	Copepoda			14504.61
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Amphipoda			256.72
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Isopoda			256.72
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Holoplankton	Mysida			898.52
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Holoplankton	Chaetognatha			2182.11
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Cumacea			1026.88
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Cirripedia			128.36
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Pseudoplankton/ Benthos	Ostracoda			128.36
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	30.08
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Luciferidae	Lucifer faxoni	Adult	88.25
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Ogyrididae	Ogyrides sp.	Adult	10.03
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Hippolytidae	Thor sp.	Zoea	24.07
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Hippolytidae	Thor sp.	Post-larval	2.01
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Pinnotheridae		Zoea	16.04
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Xanthidae	Menippe mercenaria	Zoea	4.01
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Paguridae	Pagurus sp.	Zoea	10.03
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Panopeidae		Zoea	8.02
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Panopeidae		Megalopae	6.02
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	4.01
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Anomura		Post-larval	4.01
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	4.01
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	6.02
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	12.03
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Hippolytidae	Hippolyte spp.	Adult	2.01
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	2.01
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Brachyura		Zoea	2.01
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Meroplankton	Brachyura		Megalopae	18.05
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	8.02
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Ichthyoplankton	Blenniidae	Chasmodes saburrae	Post yolk-sac larvae	2.01
CFBC	CFBC-04	B	Night	December 7-8, 2007	2	Ichthyoplankton	Paralichthyidae/Sparidae complex		Egg	4.01
CFBC	CFBC-04	A	Day	April 11, 2008	3	Ichthyoplankton	Merlucciidae/ Paralichthyidae/		Egg	26.56

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)	
C	CFBC-04	A	Day	April 11, 2008	3	Ichthyoplankton	Carangidae/ Haemulidae/ Sciaenidae/ Serranidae egg complex	Egg	13.28	
							Engraulidae	Egg	1102.07	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Holoplankton	Chaetognatha		2974.27	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Holoplankton	Copepoda		259186.72	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Ichthyoplankton	Atheriniformes		Post yolk-sac larvae 66.39	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae 13.28	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Ichthyoplankton	Blenniidae	Hypsoblennius sp.	Post yolk-sac larvae 26.56	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Ichthyoplankton	Blenniidae		Post yolk-sac larvae 106.22	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae 199.17	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Yolk-sac larvae 119.50	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae 13.28	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae 39.83	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae 929.46	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae 424.90	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae 26.56	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Ichthyoplankton	Syngnathidae	Syngnathus scovelli	Juvenile 13.28	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Zoea 265.56	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Megalopae 371.78	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea 6798.34	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Cirripedia			1062.24
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Gastropoda			5523.65
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea 424.90	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Loliginidae		Juvenile 26.56	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Luciferidae	Lucifer faxoni	Adult 53.11	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Menippidae	Menippe mercenaria	Zoea 53.11	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Paguridae	Pagurus sp.	Zoea 371.78	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea 106.22	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Panopeidae		Zoea 15986.72	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Panopeidae		Megalopae 53.11	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Pinnotheridae		Zoea 1115.35	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea 106.22	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	UnID Brachyura		Zoea 106.22	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Unidentified shrimp		Zoea 265.56	
CFBC	CFBC-04	A	Day	April 11, 2008	3	Meroplankton	Upogebiidae	Upogebia affinis	Zoea 2708.71	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Egg 1034.30	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Holoplankton	Appendicularia			344.77
CFBC	CFBC-04	B	Day	April 11, 2008	3	Holoplankton	Chaetognatha			5861.02
C	CFBC-04	B	Day	April 11, 2008	3	Holoplankton	Copepoda			29764.77
dC	CFBC-04	B	Day	April 11, 2008	3	Ichthyoplankton	Atheriniformes		Post yolk-sac larvae 28.73	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Ichthyoplankton	Atheriniformes		Yolk-sac larvae 14.37	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Ichthyoplankton	Blenniidae		Post yolk-sac larvae 57.46	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae 215.48	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Ichthyoplankton	Engraulidae		Yolk-sac larvae 229.84	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiesocidae	Gobiosox strumosus	Post yolk-sac larvae 57.46	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae 14.37	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae 71.83	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae 28.73	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae 1896.21	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae 833.18	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Ichthyoplankton	UnID		Yolk-sac larvae 14.37	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Anomura		Juvenile 57.46	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Zoea 402.23	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Megalopae 344.77	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Callinassidae	Callianassa sp.	Zoea 172.38	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea 14135.39	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Cirripedia			114.92
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Gastropoda			1264.14
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea 402.23	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Loliginidae		Juvenile 28.73	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Luciferidae	Lucifer faxoni	Adult 57.46	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Paguridae	Pagurus sp.	Zoea 287.30	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea 57.46	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Panopeidae		Zoea 24708.21	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Pinnotheridae		Zoea 1321.60	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea 114.92	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Unidentified shrimp		Zoea 459.69	
CFBC	CFBC-04	B	Day	April 11, 2008	3	Meroplankton	Upogebiidae	Upogebia affinis	Zoea 1034.30	
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Egg 5834.67	
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	UnID (no embryo)		Egg 354.81	
CFBC	CFBC-04	A	Night	April 11, 2008	3	Holoplankton	Chaetognatha			157.69
CFBC	CFBC-04	A	Night	April 11, 2008	3	Holoplankton	Copepoda			22234.82
CFBC	CFBC-04	A	Night	April 11, 2008	3	Holoplankton	Mysida			709.62
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae 2.46	
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae 20.94	
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Blenniidae		Post yolk-sac larvae 50.51	
C	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Callionymidae	Diplogrammus pauciradiatus	Post yolk-sac larvae 1.23	
dC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Clupeidae	Brevoortia sp.	Juvenile 12.32	
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Clupeidae		Post yolk-sac larvae 12.32	
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae 76.38	
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae 102.25	
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiesocidae	Gobiosox strumosus	Post yolk-sac larvae 9.86	

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)	
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	13.55
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	72.69
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	43.12
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	8.62
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	44.35
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Perciformes		Post yolk-sac larvae	1.23
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	25.87
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	1.23
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	Synodontidae	Synodus foetens	Post yolk-sac larvae	1.23
CFBC	CFBC-04	A	Night	April 11, 2008	3	Ichthyoplankton	UnID		Yolk-sac larvae	43.12
CFBC	CFBC-04	A	Night	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Zoea	3311.57
CFBC	CFBC-04	A	Night	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	118.27
CFBC	CFBC-04	A	Night	April 11, 2008	3	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	3075.03
CFBC	CFBC-04	A	Night	April 11, 2008	3	Meroplankton	Gastropoda			39.42
CFBC	CFBC-04	A	Night	April 11, 2008	3	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	39.42
CFBC	CFBC-04	A	Night	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	78.85
CFBC	CFBC-04	A	Night	April 11, 2008	3	Meroplankton	Panopeidae		Zoea	8081.80
CFBC	CFBC-04	A	Night	April 11, 2008	3	Meroplankton	Panopeidae		Megalopae	118.27
CFBC	CFBC-04	A	Night	April 11, 2008	3	Meroplankton	Pinnotheridae		Zoea	39.42
CFBC	CFBC-04	A	Night	April 11, 2008	3	Meroplankton	Pinnotheridae		Megalopae	275.96
CFBC	CFBC-04	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Polychaeta			78.85
CFBC	CFBC-04	A	Night	April 11, 2008	3	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	39.42
CFBC	CFBC-04	A	Night	April 11, 2008	3	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	157.69
CFBC	CFBC-04	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Amphipoda			197.12
CFBC	CFBC-04	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Cumacea			1064.43
CFBC	CFBC-04	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Ostracoda			1458.67
CFBC	CFBC-04	A	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Tanaidacea			78.85
CFBC	CFBC-04	B	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Egg	2036.25
CFBC	CFBC-04	B	Night	April 11, 2008	3	Holoplankton	Copepoda			67463.68
CFBC	CFBC-04	B	Night	April 11, 2008	3	Holoplankton	Mysida			493.64
CFBC	CFBC-04	B	Night	April 11, 2008	3	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	82.27
CFBC	CFBC-04	B	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	185.11
CFBC	CFBC-04	B	Night	April 11, 2008	3	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	329.09
CFBC	CFBC-04	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	20.57
CFBC	CFBC-04	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	20.57
CFBC	CFBC-04	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	164.55
CFBC	CFBC-04	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	164.55
CFBC	CFBC-04	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	20.57
CFBC	CFBC-04	B	Night	April 11, 2008	3	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	534.77
CFBC	CFBC-04	B	Night	April 11, 2008	3	Ichthyoplankton	Perciformes		Post yolk-sac larvae	41.14
CFBC	CFBC-04	B	Night	April 11, 2008	3	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	61.70
CFBC	CFBC-04	B	Night	April 11, 2008	3	Meroplankton	Alpheidae	Alpheus sp.	Zoea	20.57
CFBC	CFBC-04	B	Night	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Zoea	884.43
CFBC	CFBC-04	B	Night	April 11, 2008	3	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	431.93
CFBC	CFBC-04	B	Night	April 11, 2008	3	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1480.91
CFBC	CFBC-04	B	Night	April 11, 2008	3	Meroplankton	Gastropoda			658.18
CFBC	CFBC-04	B	Night	April 11, 2008	3	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	20.57
CFBC	CFBC-04	B	Night	April 11, 2008	3	Meroplankton	Panopeidae		Zoea	4360.46
CFBC	CFBC-04	B	Night	April 11, 2008	3	Meroplankton	Panopeidae		Megalopae	143.98
CFBC	CFBC-04	B	Night	April 11, 2008	3	Meroplankton	Pinnotheridae		Megalopae	82.27
CFBC	CFBC-04	B	Night	April 11, 2008	3	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	82.27
CFBC	CFBC-04	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Amphipoda			329.09
CFBC	CFBC-04	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Cumacea			658.18
CFBC	CFBC-04	B	Night	April 11, 2008	3	Pseudoplankton/ Benthos	Ostracoda			1480.91
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Merlucciidae/ Paralichthyidae/		Egg	118.66
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Egg	4495.72
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	13.18
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	13.18
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	85.70
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	224.13
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Yolk-sac larvae	59.33
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	19.78
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	309.82
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	19.78
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	6.59
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	39.55
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	13.18
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	283.45
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Microdesmidae		Post yolk-sac larvae	13.18
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	6.59
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	Zoea	1160.18
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	843.77
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	2953.20
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	316.41
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Meroplankton	Menippidae	Menippe mercenaria	Zoea	210.94
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Meroplankton	Paguridae	Pagurus sp.	Zoea	316.41
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	421.89
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		Zoea	14976.93
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		Megalopae	105.47
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Meroplankton	Pinnotheridae		Zoea	1054.71
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	210.94
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Meroplankton	Unidentified shrimp		Zoea	527.36
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	10863.55
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Holoplankton	Chaetognatha			9281.48

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Holoplankton	Copepoda			17824.65
CFBC	CFBC-04	A	Day	April 21-22, 2008	4	Meroplankton	Gastropoda			1054.71
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Ichthyoplankton	Merlucciidae/ Paralichthyidae/ Carangidae/ Haemulidae/ Scaenidae/ Serranidae egg		Egg	56.20
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Ichthyoplankton	complex		Egg	168.60
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Egg	8795.22
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	28.10
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	365.30
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	618.19
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Yolk-sac larvae	112.40
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	84.30
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	899.19
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	28.10
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	196.70
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	730.59
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Ichthyoplankton	Microdesmidae		Post yolk-sac larvae	28.10
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Anomura		Juvenile	449.60
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Brachyura		Zoea	224.80
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Armas/Uca complex	Zoea	2472.78
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Brachyura	Armas/Uca complex	Megalopae	449.60
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	6743.94
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	224.80
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Loliginidae		Juvenile	224.80
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Menippidae	Menippe mercenaria	Zoea	449.60
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Paguridae	Pagurus sp.	Zoea	899.19
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	224.80
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		Zoea	80702.49
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Panopeidae		Megalopae	224.80
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Pilumnidae	Pilumnus sp.	Zoea	224.80
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Pinnotheridae		Zoea	1348.79
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	224.80
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Squillidae		Post-larval	224.80
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Unidentified shrimp		Zoea	1348.79
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	33270.11
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Holoplankton	Appendicularia			112.40
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Holoplankton	Chaetognatha			12363.89
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Holoplankton	Copepoda			48781.17
CFBC	CFBC-04	B	Day	April 21-22, 2008	4	Meroplankton	Gastropoda			2360.38
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Egg	72.21
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Ichthyoplankton	UnID (no embryo)		Egg	41.26
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	10.32
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	20.63
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Ichthyoplankton	Clupeidae	Brevortia sp.	Post yolk-sac larvae	41.26
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Juvenile	10.32
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	92.84
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	123.79
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	41.26
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	41.26
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	10.32
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	10.32
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	41.26
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Ichthyoplankton	Syngnathidae	Syngnathus scovelli	Post yolk-sac larvae	10.32
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Armas/Uca complex	Zoea	2352.03
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Armas/Uca complex	Megalopae	949.07
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	2269.50
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	288.85
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	41.26
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Meroplankton	Panopeidae		Zoea	13617.02
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Meroplankton	Pinnotheridae		Zoea	41.26
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	82.53
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	41.26
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Holoplankton	Copepoda			192123.79
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Holoplankton	Mysida			3301.10
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Meroplankton	Cirripedia			990.33
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Meroplankton	Gastropoda			1320.44
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Amphipoda			990.33
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Cumacea			4951.64
CFBC	CFBC-04	A	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Tanaidacea			330.11
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Egg	64.03
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	UnID (no embryo)		Egg	75.67
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	5.82
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Atherinopsidae	Menidia menidia	Adult	5.82
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	75.67
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	29.10
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	11.64
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	75.67
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	5.82
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	256.11
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	81.49
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	40.75
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	5.82
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	17.46

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)	
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	34.92
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Haemulidae		Post yolk-sac larvae	5.82
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	23.28
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Ichthyoplankton	UnID			5.82
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Meroplankton	Alpheidae	Alpheus sp.	Post-larval	23.28
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	Zoea	2002.33
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	535.51
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	2072.18
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	116.41
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	46.57
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Meroplankton	Panopeidae		Zoea	10360.88
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	139.70
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	23.28
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Holoplankton	Chaetognatha			186.26
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Holoplankton	Copepoda			113806.75
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Holoplankton	Mysida			1490.10
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Meroplankton	Gastropoda			931.32
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Amphipoda			558.79
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Cumacea			2980.21
CFBC	CFBC-04	B	Night	April 21-22, 2008	4	Pseudoplankton/ Benthos	Polychaeta			186.26
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Ichthyoplankton	Carangidae		Post yolk-sac larvae	6.49
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	12.97
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	25.95
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	19.46
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1628.28
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	1115.80
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	77.85
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	6.49
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	38.92
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Ichthyoplankton	Syngnathidae	Syngnathus louisianae	Juvenile	6.49
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Zoea	1245.54
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	3529.03
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	415.18
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	415.18
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Meroplankton	Paguridae	Pagurus sp.	Zoea	207.59
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	207.59
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Meroplankton	Panopeidae		Zoea	38819.33
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Meroplankton	Panopeidae		Megalopae	415.18
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Meroplankton	Pinnotheridae		Zoea	5189.75
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	207.59
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Meroplankton	Squillidae		Post-larval	207.59
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Holoplankton	Chaetognatha			622.77
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Holoplankton	Copepoda			4151.80
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Holoplankton	Mysida			207.59
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Meroplankton	Bivalvia			7058.06
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Meroplankton	Gastropoda			4566.98
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Collembola			207.59
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Amphipoda			207.59
CFBC	CFBC-04	A	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Isopoda			207.59
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	98.39
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	10.93
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	10.93
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	349.82
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	76.52
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	10.93
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	185.84
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Zoea	174.91
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Brachyura	Armases/Uca complex	Megalopae	1377.43
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	262.37
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Callianassidae	Callianassa sp.	Zoea	54.66
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	10.93
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Leucosiidae	Persephona mediterranea	Zoea	32.80
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	10.93
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Luciferidae	Lucifer faxoni	Adult	10.93
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Majidae		Zoea	10.93
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Menippidae	Menippe mercenaria	Zoea	76.52
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Paguridae	Pagurus sp.	Zoea	10.93
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	32.80
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Panopeidae		Zoea	3159.33
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Panopeidae		Megalopae	87.46
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Pinnotheridae		Zoea	1803.77
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	131.18
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Unidentified shrimp		Zoea	251.43
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	10.93
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Holoplankton	Chaetognatha			918.28
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Holoplankton	Copepoda			3541.95
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Bivalvia			43.73
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Cirripedia			218.64
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Meroplankton	Gastropoda			2230.12
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Cumacea			349.82
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Isopoda			43.73
CFBC	CFBC-04	B	Day	May 7-8, 2008	5	Pseudoplankton/ Benthos	Polychaeta			43.73
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	92.24
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Ichthyoplankton	Callionymidae	Diplogrammus pauciradiatus	Post yolk-sac larvae	30.75

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Ichthyoplankton	Clupeidae	Post yolk-sac larvae	61.49
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Ichthyoplankton	Engraulidae	Post yolk-sac larvae	584.17
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Post yolk-sac larvae	614.91
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Post yolk-sac larvae	830.13
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Ichthyoplankton	Sciaenidae	Post yolk-sac larvae	30.75
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Ichthyoplankton	Sciaenidae	Post yolk-sac larvae	30.75
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Alpheidae	Post-larval	30.75
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Brachyura	Zoea	3627.98
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Brachyura	Megalopae	491.93
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Caridea	Adult	30.75
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Caridea	Zoea	3013.07
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Hippolytidae	Zoea	61.49
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Luciferidae	Adult	30.75
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Palaemonidae	Zoea	92.24
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Panopeidae	Zoea	4519.60
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Panopeidae	Megalopae	184.47
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Porcellanidae	Juvenile	30.75
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Portunidae	Zoea	30.75
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Portunidae	Juvenile	30.75
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Upogebiidae	Post-larval	122.98
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Holoplankton	Copepoda		76986.93
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Holoplankton	Mysida		9838.59
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Meroplankton	Gastropoda		491.93
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Holoplankton	Chaetognatha		245.96
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Amphipoda		491.93
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Cumacea		7624.90
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Isopoda		245.96
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Ostracoda		1229.82
CFBC	CFBC-04	A	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Tanaidacea		245.96
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Ichthyoplankton	Blenniidae	Post yolk-sac larvae	16.70
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Ichthyoplankton	Callionymidae	Post yolk-sac larvae	16.70
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Ichthyoplankton	Brevoortia sp.	Post yolk-sac larvae	16.70
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Ichthyoplankton	Anchoa mitchilli	Post yolk-sac larvae	334.10
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Post yolk-sac larvae	684.90
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Post yolk-sac larvae	16.70
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Post yolk-sac larvae	935.48
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Post yolk-sac larvae	50.11
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Ichthyoplankton	Gobiidae	Post yolk-sac larvae	16.70
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Ichthyoplankton	Sciaenidae	Post yolk-sac larvae	50.11
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Meroplankton	Brachyura	Zoea	2405.51
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Meroplankton	Brachyura	Megalopae	668.20
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Meroplankton	Caridea	Zoea	4811.03
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Meroplankton	Palaemonidae	Zoea	66.82
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Meroplankton	Panopeidae	Zoea	4476.93
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Meroplankton	Panopeidae	Megalopae	133.64
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Meroplankton	Pinnotheridae	Zoea	66.82
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Meroplankton	Portunidae	Juvenile	66.82
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Meroplankton	Upogebiidae	Zoea	66.82
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Meroplankton	Upogebiidae	Post-larval	133.64
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Holoplankton	Chaetognatha		668.20
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Holoplankton	Copepoda		60004.18
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Holoplankton	Mysida		11092.09
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Meroplankton	Bivalvia		400.92
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Meroplankton	Gastropoda		400.92
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Amphipoda		1202.76
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Cumacea		7884.74
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Ostracoda		534.56
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Polychaeta		267.28
CFBC	CFBC-04	B	Night	May 7-8, 2008	5	Pseudoplankton/ Benthos	Tanaidacea		133.64
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Ichthyoplankton	Merlucciidae/ Paralichthyidae/	Egg	4.67
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Egg	26.46
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Yolk-sac larvae	24.91
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Post yolk-sac larvae	1270.24
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Post yolk-sac larvae	2241.59
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Post yolk-sac larvae	24.91
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Ichthyoplankton	Syngnathidae	Juvenile	24.91
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Ichthyoplankton	UnID	Yolk-sac larvae	24.91
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Anomura	Juvenile	24.91
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Brachyura	Zoea	49.81
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Brachyura	Megalopae	1344.96
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Callinassidae	Zoea	124.53
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Caridea	Zoea	298.88
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Hippolytidae	Zoea	99.63
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Luciferidae	Adult	24.91
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Menippidae	Zoea	24.91
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Paguridae	Zoea	24.91
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Palaemonidae	Zoea	49.81
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Panopeidae	Zoea	10136.99
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Panopeidae	Megalopae	124.53
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Pinnotheridae	Zoea	747.20
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Porcellanidae	Zoea	74.72
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Squillidae	Post-larval	24.91
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Upogebiidae	Zoea	74.72
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Holoplankton	Appendicularia		199.25

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)	
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Holoplankton	Chaetognatha		448.32	
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Holoplankton	Copepoda		5080.95	
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Holoplankton	Mysida		24.91	
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Cirripedia		199.25	
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Meroplankton	Gastropoda		498.13	
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Amphipoda		49.81	
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Cumacea		74.72	
CFBC	CFBC-04	A	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Polychaeta		24.91	
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Egg	60.81	
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	6.76
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	6.76
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Ichthyoplankton	Engraulidae		Yolk-sac larvae	13.51
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	13.51
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	628.38
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	6.76
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	932.43
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Microgobius thalassius	Post yolk-sac larvae	13.51
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Microgobius thalassius	Post yolk-sac larvae	81.08
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	13.51
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	13.51
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Ichthyoplankton	UnID		Yolk-sac larvae	13.51
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Brachyura	Armas/Sesarma/Uca complex	Zoea	648.65
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Brachyura	Armas/Sesarma/Uca complex	Megalopae	864.86
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1297.30
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Callinassidae	Callinassa sp.	Zoea	108.11
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	216.22
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Hippolytidae	Tozeuma sp.	Post-larval	108.11
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Menippidae	Menippe mercenaria	Zoea	216.22
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	432.43
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	10378.38
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Panopeidae		Megalopae	432.43
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Pinnotheridae		Zoea	1081.08
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Pinnotheridae		Megalopae	108.11
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	432.43
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Holoplankton	Appendicularia			432.43
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Holoplankton	Chaetognatha			1297.30
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Holoplankton	Copepoda			9081.08
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Holoplankton	Mysida			108.11
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Bivalvia			324.32
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Cirripedia			108.11
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Meroplankton	Gastropoda			432.43
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Collembola			108.11
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Cumacea			648.65
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Ostracoda			432.43
CFBC	CFBC-04	B	Day	May 22-23, 2008	6	Pseudoplankton/ Benthos	Polychaeta			324.32
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	5.66
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	73.58
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Ichthyoplankton	Atherinopsidae		Yolk-sac larvae	5.66
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	33.96
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	475.45
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	379.23
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	28.30
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	283.01
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Microgobius thalassius	Post yolk-sac larvae	79.24
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Microgobius thalassius	Post yolk-sac larvae	124.52
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	62.26
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	11.32
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Ichthyoplankton	Syngnathidae	Syngnathus scovelli	Post yolk-sac larvae	11.32
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Ichthyoplankton	UnID		Yolk-sac larvae	28.30
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Meroplankton	Anomura		Juvenile	90.56
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armas/Sesarma/Uca complex	Zoea	2354.61
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armas/Sesarma/Uca complex	Megalopae	2264.04
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	3350.79
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	271.69
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	90.56
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	5252.58
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Megalopae	1177.30
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Meroplankton	Pinnotheridae		Zoea	90.56
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Meroplankton	Pinnotheridae		Megalopae	90.56
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Meroplankton	Unidentified shrimp		Post-larval	90.56
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	271.69
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Holoplankton	Copepoda			233287.11
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Holoplankton	Mysida			3984.72
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Amphipoda			1086.74
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Cumacea			1086.74
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Isopoda			362.25
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Ostracoda			2173.48
CFBC	CFBC-04	A	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Polychaeta			362.25
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	14.20
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	7.10
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	440.34
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	7.10
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	234.38
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	14.20

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)	
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	490.06
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	71.02
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	85.23
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	71.02
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	7.10
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Ichthyoplankton	Syngnathidae	Syngnathus scovelli	Post yolk-sac larvae	7.10
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	653.41
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1988.64
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1278.41
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	113.64
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	85.23
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Meroplankton	Palaemonidae	Palaemonetes sp.	Juvenile	28.41
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Zoea	767.05
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Meroplankton	Panopeidae		Megalopae	568.18
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Meroplankton	Pinnotheridae		Megalopae	198.86
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	28.41
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Meroplankton	Unidentified shrimp		Post-larval	28.41
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	85.23
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Holoplankton	Copepoda			49772.73
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Holoplankton	Mysida			5454.55
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Amphipoda			2272.73
CFBC	CFBC-04	B	Night	May 22-23, 2008	6	Pseudoplankton/ Benthos	Ostracoda			909.09
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Ichthyoplankton	Merlucciidae/ Paralichthyidae/		Egg	5.98
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	17.93
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	5.98
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	274.87
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	352.55
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	23.90
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	5.98
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Ichthyoplankton	Syngnathidae	Syngnathus louisianae	Juvenile	5.98
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	1003.88
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	23.90
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	370.48
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	83.66
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	179.27
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	47.80
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	23.90
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Meroplankton	Panopeidae		Zoea	2629.22
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Meroplankton	Pinnotheridae		Zoea	11.95
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Meroplankton	Squillidae		Post-larval	11.95
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	95.61
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Holoplankton	Copepoda			370.48
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Meroplankton	Cirripedia			5.98
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda			185.24
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Cumacea			5.98
CFBC	CFBC-04	A	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Isopoda			17.93
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Engraulidae		Egg	1.85
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	UnID (no embryo)		Egg	1.85
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	3.70
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.85
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	7.40
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	1.85
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	185.05
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	3.70
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	190.60
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	3.70
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	14.80
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Labrisomidae		Post yolk-sac larvae	1.85
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Monacanthidae	Stephanolepis hispidus	Post yolk-sac larvae	1.85
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	5.55
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	1.85
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Syngnathidae	Syngnathus louisianae	Juvenile	1.85
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Ichthyoplankton	Syngnathidae	Syngnathus scovelli	Post yolk-sac larvae	1.85
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	518.13
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	148.04
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1643.23
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Meroplankton	Callianassidae	Callianassa sp.	Zoea	29.61
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Meroplankton	Leucosiidae	Persephona mediterranea	Zoea	59.22
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Meroplankton	Paguridae	Pagurus sp.	Zoea	14.80
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	207.25
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Meroplankton	Panopeidae		Zoea	1954.11
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Meroplankton	Pinnotheridae		Zoea	88.82
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	148.04
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Meroplankton	Squillidae	Squilla sp.	Post-larval	44.41
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	103.63
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Holoplankton	Chaetognatha			14.80
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Holoplankton	Copepoda			947.45
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Meroplankton	Cirripedia			14.80
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda			29.61
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Cumacea			14.80
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Pseudoplankton/ Benthos	Polychaeta			14.80
CFBC	CFBC-04	B	Day	June 4-5, 2008	7	Meroplankton	Tunicata			177.65
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Ichthyoplankton	Cynoglossidae	Symphurus plagiosa	Post yolk-sac larvae	13.48
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	101.13

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Post yolk-sac larvae	94.39
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Bathygobius soporator	6.74
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Gobiosoma bosc	161.81
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Microgobius thalassinus	87.65
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Ichthyoplankton	Sciaenidae	Cynoscion sp.	6.74
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Ichthyoplankton	Triglidae		6.74
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	728.13
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	566.32
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	26.97
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Meroplankton	Ogyrididae	Ogyrides sp.	26.97
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	53.94
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	26.97
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Meroplankton	Panopeidae		1159.62
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Meroplankton	Panaeidae	Farfantepenaeus aztecus	53.94
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Meroplankton	Pinnotheridae		134.84
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Meroplankton	Pinnotheridae		26.97
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Meroplankton	Portunidae	Callinectes sp.	26.97
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Holoplankton	Copepoda		64506.99
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Holoplankton	Mysida		2157.42
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Meroplankton	Bivalvia		107.87
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Meroplankton	Cirripedia		107.87
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Meroplankton	Gastropoda		215.74
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda		862.97
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Cumacea		755.10
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Ostracoda		1402.33
CFBC	CFBC-04	A	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Polychaeta		107.87
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Ichthyoplankton	Atherinopsidae		7.64
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Ichthyoplankton	Blenniidae		15.28
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Ichthyoplankton	Bythitidae		7.64
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Ichthyoplankton	Cynoglossidae	Symphurus plagiosa	22.93
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Ichthyoplankton	Engraulidae	Anchoa mitchilli	61.14
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Ichthyoplankton	Gerreidae		7.64
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae		53.50
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Bathygobius soporator	22.93
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Gobiosoma bosc	114.64
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Ichthyoplankton	Gobiidae	Microgobius thalassinus	30.57
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Ichthyoplankton	Tetraodontidae		7.64
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	672.53
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	168.13
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	886.51
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Meroplankton	Caridea	Periclimenes/Thor complex	45.85
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Meroplankton	Hippolytidae	Hippolyte sp.	15.28
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	15.28
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Meroplankton	Palaemonidae	Palaemonetes sp.	15.28
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Meroplankton	Panopeidae		2231.56
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Meroplankton	Pinnotheridae		45.85
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Meroplankton	Upogebiidae	Upogebia affinis	15.28
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Holoplankton	Copepoda		32036.68
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Holoplankton	Mysida		2445.55
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Amphipoda		244.55
CFBC	CFBC-04	B	Night	June 4-5, 2008	7	Pseudoplankton/ Benthos	Ostracoda		978.22
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Ichthyoplankton	Engraulidae	Egg	43.36
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Ichthyoplankton	UnID (no embryo)	Egg	4.82
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Ichthyoplankton	Engraulidae		9.64
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Ichthyoplankton	Gobiidae		57.82
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Bathygobius soporator	33.73
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Ichthyoplankton	Syngnathidae	Syngnathus louisianae	4.82
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	3603.95
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	19.27
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Meroplankton	Caridea	Periclimenes/Thor complex	1599.61
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Meroplankton	Menippidae	Menippe mercenaria	19.27
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	674.54
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Meroplankton	Panopeidae		11621.30
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Meroplankton	Pinnotheridae		38.54
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Meroplankton	Porcellanidae	Polyonyx gibbesi	327.63
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Meroplankton	Upogebiidae	Upogebia affinis	558.90
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Holoplankton	Copepoda		173.45
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Meroplankton	Gastropoda		4.82
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Amphipoda		33.73
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Isopoda		19.27
CFBC	CFBC-04	A	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Polychaeta		4.82
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Ichthyoplankton	Engraulidae	Egg	78.76
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Ichthyoplankton	Achiridae	Achirus lineatus	1.21
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Ichthyoplankton	Carangidae	Oligoplites saurus	2.42
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Ichthyoplankton	Carangidae	Oligoplites saurus	1.21
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Ichthyoplankton	Engraulidae		3.64
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Ichthyoplankton	Engraulidae		2.42
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Ichthyoplankton	Gobiidae		27.87
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Bathygobius soporator	3.64
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Microgobius thalassinus	2.42
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Ichthyoplankton	UnID		2.42
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	242.34
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	135.71
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Meroplankton	Callinassidae	Callinassa sp.	19.39

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	261.72
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	29.08
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Meroplankton	Luciferidae	Lucifer faxoni	Adult	9.69
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	87.24
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Meroplankton	Panopeidae		Zoea	2064.70
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Meroplankton	Panopeidae		Megalopae	19.39
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Meroplankton	Pinnotheridae		Zoea	19.39
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	387.74
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	193.87
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Holoplankton	Appendicularia			2.42
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Holoplankton	Chaetognatha			2.42
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Holoplankton	Copepoda			12.12
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Collembola			2.42
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Amphipoda			13.33
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Branchiura			1.21
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Isopoda			4.85
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Pycnogonida			1.21
CFBC	CFBC-04	B	Day	June 20-21, 2008	8	Pseudoplankton/ Benthos	Tanaidacea			1.21
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	Engraulidae		Egg	16.61
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	UnID (no embryo)		Egg	3.32
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	14.95
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	4.98
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	1.66
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	48.16
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	4.98
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	1.66
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	11.63
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	4.98
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	6.64
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	4.98
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	9.97
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	1.66
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Ichthyoplankton	Syngnathidae	Syngnathus scovelli	Post yolk-sac larvae	1.66
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	6483.97
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1381.83
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	1488.12
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Hippolytidae	Hippolyte sp.	Adult	106.29
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Hippolytidae	Latreutes sp.	Zoea	212.59
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Ogyrididae	Ogyrides alphaerostris	Post-larval	106.29
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Ogyrididae	Ogyrides alphaerostris	Adult	106.29
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	212.59
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Palaemonidae	Periclimenes sp.	Post-larval	425.18
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Panopeidae		Zoea	2657.37
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Panopeidae		Megalopae	9885.40
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Panopeidae		Juvenile	106.29
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Pinnotheridae		Zoea	106.29
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Processidae	Processa sp.	Zoea	212.59
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	425.18
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	106.29
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Holoplankton	Copepoda			23491.11
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Holoplankton	Mysida			531.47
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Amphipoda			744.06
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Cumacea			850.36
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Isopoda			212.59
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Ostracoda			531.47
CFBC	CFBC-04	A	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Polychaeta			212.59
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Ichthyoplankton	UnID (no embryo)		Egg	7.02
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	19.64
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	16.84
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.40
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	60.33
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Ichthyoplankton	Ephippidae	Chaetodipterus faber	Post yolk-sac larvae	2.81
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	9.82
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	12.63
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	11.22
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	8.42
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	8.42
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	4.21
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Ichthyoplankton	Sparidae		Post yolk-sac larvae	1.40
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	44.90
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1930.69
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Meroplankton	Callinassidae	Callinassa sp.	Zoea	44.90
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	269.40
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	269.40
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Meroplankton	Palaemonidae	Periclimenes sp.	Post-larval	44.90
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Meroplankton	Panopeidae		Zoea	1481.69
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Meroplankton	Panopeidae		Megalopae	1975.59
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Meroplankton	Pinnotheridae		Zoea	44.90
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Meroplankton	Porcellanidae	Polyonyx gibbesi	Megalopae	44.90
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Holoplankton	Chaetognatha			179.60
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Holoplankton	Copepoda			42385.30
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Holoplankton	Mysida			718.39
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Meroplankton	Gastropoda			538.80
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Amphipoda			179.60

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)	
CFBC	CFBC-04	B	Night	June 20-21, 2008	8	Pseudoplankton/ Benthos	Cumacea		1436.79	
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Ichthyoplankton	Engraulidae	Egg	858.69	
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.51
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.51
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	33.14
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Ichthyoplankton	Engraulidae		Yolk-sac larvae	6.03
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	13.56
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	3.01
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	3.01
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	228.98
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	102.44
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Callianassidae	Callianassa sp.	Zoea	12.05
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	54.23
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	30.13
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Luciferidae	Lucifer faxoni	Juvenile	24.10
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Menippidae	Menippe mercenaria	Zoea	72.31
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	36.16
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Post-larval	6.03
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	1663.15
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Panopeidae		Megalopae	18.08
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Pinnotheridae		Zoea	78.34
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	24.10
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	18.08
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Holoplankton	Chaetognatha			12.05
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Holoplankton	Copepoda			48.21
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Meroplankton	Gastropoda			9.04
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Amphipoda			3.01
CFBC	CFBC-04	A	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Pycnogonida			1.51
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Ichthyoplankton	Engraulidae		Egg	431.65
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	15.83
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Ichthyoplankton	Carangidae	Oligoplites saurus	Post yolk-sac larvae	1.44
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	27.34
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Ichthyoplankton	Engraulidae		Yolk-sac larvae	5.76
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	12.95
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	2.88
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	2.88
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	230.22
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	126.62
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Callianassidae	Callianassa sp.	Zoea	11.51
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	230.22
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	11.51
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Laomedidae	Naushonia crangonoides	Zoea	11.51
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	11.51
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	23.02
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Menippidae	Menippe mercenaria	Zoea	161.15
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	195.68
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	1600.00
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Panopeidae		Megalopae	11.51
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Pinnotheridae		Zoea	138.13
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Pinnotheridae		Megalopae	11.51
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	34.53
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Holoplankton	Chaetognatha			23.02
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Holoplankton	Copepoda			2.88
CFBC	CFBC-04	B	Day	July 21-22, 2008	9	Pseudoplankton/ Benthos	Amphipoda			1.44
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	UnID (no embryo)		Egg	7.76
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	3.88
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.29
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	Carangidae	Oligoplites saurus	Post yolk-sac larvae	1.29
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	Cynoglossidae	Symphurus plagiatus	Post yolk-sac larvae	2.59
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	41.37
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	29.73
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	1.29
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	5.17
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	25.86
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	5.17
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	6.46
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	3.88
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	Syngnathidae	Syngnathus scovelli	Post yolk-sac larvae	1.29
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Ichthyoplankton	Triglidae		Post yolk-sac larvae	1.29
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	455.07
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Callianassidae	Callianassa sp.	Zoea	20.69
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	41.37
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	568.84
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Menippidae	Menippe mercenaria	Zoea	10.34
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	20.69
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Palaemonidae	Periclimenes sp.	Post-larval	31.03
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	661.93
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Megalopae	113.77
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	72.40
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Pinnotheridae		Megalopae	51.71
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	51.71
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	20.69
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	10.34
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Holoplankton	Chaetognatha			41.37

A-5 CFBC Plankton Data

		Replic	Day or						Developmental	Density (#/100
Site	Station	ate	Night	Date		Plankton Type	Taxon	Genus Species	Stage	cubic meters)
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Holoplankton	Copepoda			7943.12
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Holoplankton	Mysida			455.07
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Bivalvia			41.37
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Meroplankton	Gastropoda			41.37
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Amphipoda			82.74
CFBC	CFBC-04	A	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Cumacea			496.44
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Engraulidae		Egg	3.12
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	UnID (damaged)		Egg	3.12
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	UnID (no embryo)		Egg	9.37
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	34.37
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Atherinopsidae	Menidia sp.	Post yolk-sac larvae	6.25
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	3.12
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Cynoglossidae	Symphurus plagiusa	Post yolk-sac larvae	15.62
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	12.50
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	68.74
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	74.99
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	3.12
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Ctenogobius boleosoma	Post yolk-sac larvae	3.12
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	12.50
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	28.12
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Microgobius sp.	Post yolk-sac larvae	15.62
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	3.12
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	9.37
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	6.25
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Ichthyoplankton	UnID		Yolk-sac larvae	6.25
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	6.25
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	349.95
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Callianassidae	Callianassa sp.	Zoea	6.25
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	31.25
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	443.68
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Hippolytidae	Latreutes sp.	Zoea	12.50
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Ogyrididae	Ogyrides alphaerostis	Post-larval	37.49
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	31.25
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Palaemonidae	Periclimenes sp.	Post-larval	62.49
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Zoea	806.12
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Megalopae	156.23
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Panopeidae		Post-larval	12.50
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Panopeidae	Farfantepenaeus aztecus	Post-larval	49.99
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Pinnotheridae		Megalopae	18.75
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Pinnotheridae		Juvenile	18.75
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	25.00
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Porcellanidae	Polyonyx gibbesi	Megalopae	6.25
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	37.49
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	25.00
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Unidentified shrimp		Zoea	168.72
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	UnID Thalassinidea		Post-larval	31.25
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Holoplankton	Chaetognatha			49.99
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Holoplankton	Copepoda			11398.22
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Holoplankton	Mysida			599.91
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Bivalvia			49.99
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Meroplankton	Gastropoda			149.98
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Amphipoda			99.98
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Cumacea			749.88
CFBC	CFBC-04	B	Night	July 21-22, 2008	9	Pseudoplankton/ Benthos	Ostracoda			49.99
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Egg	265.77
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	57.19
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Yolk-sac larvae	40.37
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	215.31
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	80.74
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	3.36
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Ichthyoplankton	UnID		Yolk-sac larvae	6.73
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Ichthyoplankton	UnID (fragment)			6.73
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	2906.64
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	430.61
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Meroplankton	Callianassidae		Zoea	215.31
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	322.96
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	23468.46
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Meroplankton	Panopeidae		Megalopae	107.65
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	107.65
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Holoplankton	Copepoda			8719.93
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Meroplankton	Cirripedia			3983.18
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Meroplankton	Gastropoda			107.65
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Pseudoplankton/ Benthos	Amphipoda			215.31
CFBC	CFBC-04	A	Day	August 6-7, 2008	10	Pseudoplankton/ Benthos	Polychaeta			430.61
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Egg	539.25
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Ichthyoplankton	UnID (no embryo)		Egg	31.72
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	15.86
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	126.88
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Yolk-sac larvae	111.02
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	285.49
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	31.72
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	15.86
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	15.86
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Ichthyoplankton	UnID		Yolk-sac larvae	15.86

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Count	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	6090.40
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1015.07
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	634.42
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Meroplankton	Leucosidae	Persephona mediterranea	Zoea	126.88
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	253.77
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	35400.48
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Meroplankton	Panopeidae		Megalopae	380.65
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Holoplankton	Copepoda			20935.77
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Meroplankton	Bivalvia			253.77
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Meroplankton	Cirripedia			2664.55
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Meroplankton	Gastropoda			634.42
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Pseudoplankton/ Benthos	Polychaeta			507.53
CFBC	CFBC-04	B	Day	August 6-7, 2008	10	Pseudoplankton/ Benthos	Pycnogonida			126.88
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Egg	11.97
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	5.13
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	18.81
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	92.32
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Yolk-sac larvae	22.23
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	201.74
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	1.71
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	225.68
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	34.19
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	119.68
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	18.81
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	27.36
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	5.13
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	3.42
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	8.55
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae	Menticirrhus americanus	Post yolk-sac larvae	3.42
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	Triglidae		Post yolk-sac larvae	1.71
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Ichthyoplankton	UnID		Yolk-sac larvae	63.26
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	3446.74
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	547.10
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Callinassidae		Zoea	382.97
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1860.15
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	492.39
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	10613.78
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Panopeidae		Megalopae	164.13
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Penaeidae		Post-larval	54.71
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	1313.04
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Porcellanidae	Polyonyx gibbesi	Megalopae	109.42
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Processidae	Processa sp.	Zoea	54.71
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Unidentified shrimp		Zoea	218.84
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	UnID Thalassinidea		Post-larval	54.71
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	1203.62
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Holoplankton	Copepoda			2106.34
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Holoplankton	Mysida			2735.51
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Cirripedia			246.20
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Meroplankton	Gastropoda			109.42
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Amphipoda			820.65
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Cumacea			1039.49
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Isopoda			27.36
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Ostracoda			27.36
CFBC	CFBC-04	A	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Polychaeta			27.36
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Egg	73.02
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	26.21
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Atherinopsidae	Menidia sp.	Yolk-sac larvae	1.87
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	7.49
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Cynoglossidae	Symphurus plagiatus	Post yolk-sac larvae	1.87
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	181.61
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae		Yolk-sac larvae	16.85
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	400.67
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	9.36
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	200.34
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	20.60
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Ctenogobius boleosoma	Post yolk-sac larvae	7.49
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	136.68
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	3.74
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	14.98
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	74.89
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	22.47
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae	Cynoscion arenarius	Post yolk-sac larvae	3.74
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	1.87
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Sciaenidae	Menticirrhus americanus	Post yolk-sac larvae	14.98
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Syngnathidae	Syngnathus louisianae	Juvenile	1.87
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Ichthyoplankton	Triglidae		Post yolk-sac larvae	1.87
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	3954.32
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	11982.77
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Meroplankton	Callinassidae		Zoea	2276.73
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	5512.08
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	1677.59
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Meroplankton	Panopeidae		Zoea	21209.51
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Meroplankton	Panopeidae		Megalopae	3115.52
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Meroplankton	Pinnotheridae		Megalopae	119.83

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	718.97
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	718.97
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Meroplankton	Unidentified shrimp		Zoea	958.62
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Holoplankton	Copepoda			31035.39
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Holoplankton	Mysida			4313.80
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Meroplankton	Cirripedia			239.66
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Meroplankton	Gastropoda			1797.42
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Collembola			119.83
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Amphipoda			1318.11
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Cumacea			7668.98
CFBC	CFBC-04	B	Night	August 6-7, 2008	10	Pseudoplankton/ Benthos	Isopoda			119.83
Carangidae/Haemulidae/Paralichthyidae/Sciaenidae/Serrani										
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Ichthyoplankton	dae complex		Egg	6.79
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Ichthyoplankton	Engraulidae		Egg	47.56
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	129.10
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	135.89
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	6.79
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	217.43
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	6.79
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	244.61
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae	Sciaenops ocellatus	Post yolk-sac larvae	13.59
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Ichthyoplankton	Syngnathidae	Syngnathus louisianae	Juvenile	6.79
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Ichthyoplankton	UnID		Yolk-sac larvae	13.59
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Anomura		Zoea	54.36
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	1848.14
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	298.96
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Callianassidae		Zoea	54.36
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1087.14
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	679.46
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Caridea	Periclimenes/Thor complex	Adult	27.18
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	217.43
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	27.18
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Hippolytidae	Tozeuma spp.	Post-larval	27.18
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Loliginidae	Lolliguncula brevis	Juvenile	27.18
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	54.36
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	380.50
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Adult	190.25
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	163.07
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	4103.96
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Panopeidae		Megalopae	163.07
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	27.18
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Zoea	597.93
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Megalopae	108.71
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Portunidae	Callinectes spp.	Megalopae	27.18
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	81.54
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	54.36
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Holoplankton	Chaetognatha			163.07
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Holoplankton	Copepoda			2772.21
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Holoplankton	Mysida			190.25
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Bivalvia			54.36
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Cirripedia			81.54
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Meroplankton	Gastropoda			1195.86
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Amphipoda			81.54
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Branchiura			54.36
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Cumacea			163.07
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Isopoda			54.36
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Ostracoda			271.79
CFBC	CFBC-04	A	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Polychaeta			27.18
Achloridae/Carangidae/Haemulidae/Sciaenidae/ Serranidae										
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Ichthyoplankton	complex		Egg	7.61
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Ichthyoplankton	Engraulidae		Egg	34.23
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	3.80
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	76.06
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	154.02
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	45.64
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	81.76
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	3.80
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	549.53
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	1.90
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae	Sciaenops ocellatus	Post yolk-sac larvae	1.90
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Ichthyoplankton	UnID (fragment)			3.80
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	11561.13
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	182.54
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1642.90
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	182.54
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Loliginidae	Lolliguncula brevis	Juvenile	3.80
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	243.39
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Adult	547.63
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	365.09
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	7301.77
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Panopeidae		Megalopae	243.39
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	60.85

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Zoea	1156.11
7C	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Megalopae	304.24
C	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	60.85
BC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Unidentified shrimp		Zoea	851.87
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	304.24
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	182.54
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Holoplankton	Chaetognatha			608.48
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Holoplankton	Copepoda			43567.22
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Holoplankton	Mysida			2555.62
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Cirripedia			486.78
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Meroplankton	Gastropoda			851.87
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Amphipoda			121.70
CFBC	CFBC-04	B	Day	September 3-4, 2008	11	Pseudoplankton/ Benthos	Cumacea			973.57
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Ichthyoplankton	UnID (no embryo)		Egg	356.16
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Ichthyoplankton	Achiroidae	Achirus lineatus	Post yolk-sac larvae	7.83
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	7.83
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Ichthyoplankton	Clupeidae	Brevoortia spp.	Post yolk-sac larvae	1.96
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	39.14
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	3.91
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	70.45
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	35.23
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	7.83
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	19.57
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	15.66
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	3.91
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae	Sciaenops ocellatus	Post yolk-sac larvae	15.66
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Alpheidae	Alpheus spp.	Post-larval	62.62
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Anomura		Zoea	125.24
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	2191.78
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	2317.03
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Callianassidae		Zoea	313.11
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1064.58
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	250.49
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	125.24
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	125.24
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	563.60
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	187.87
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Adult	125.24
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	313.11
C	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	5009.78
7C	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Megalopae	626.22
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	62.62
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Zoea	125.24
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Megalopae	438.36
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Adult	62.62
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Portunidae	Callinectes spp.	Megalopae	187.87
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Unidentified shrimp		Post-larval	187.87
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	125.24
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	62.62
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Holoplankton	Copepoda			76649.71
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Holoplankton	Mysida			3256.36
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Bivalvia			250.49
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Cirripedia			1001.96
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Gastropoda			3005.87
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Meroplankton	Tunicata			6262.23
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Amphipoda			500.98
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Cumacea			751.47
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Isopoda			250.49
CFBC	CFBC-04	A	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Polychaeta			1001.96
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Ichthyoplankton	UnID (no embryo)		Egg	343.91
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	16.38
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	49.13
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	65.51
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	16.38
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	16.38
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	16.38
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	98.26
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	982.60
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Callianassidae		Zoea	65.51
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	491.30
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	32.75
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	98.26
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	65.51
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	163.77
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Luciferidae	Lucifer faxoni	Adult	98.26
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Zoea	2063.46
7C	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Panopeidae		Megalopae	294.78
C	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Zoea	65.51
BC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Pinnotheridae		Megalopae	98.26
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Portunidae	Callinectes spp.	Megalopae	32.75
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	UnID		Zoea	131.01
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	UnID Brachyura		Megalopae	32.75
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Unidentified shrimp		Post-larval	98.26
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	32.75

A-5 CFBC Plankton Data

		Replic	Day or							Developmental	Density (#/100
Site	Station	ate	Night	Date		Plankton Type	Taxon	Genus Species		Stage	cubic meters)
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Holoplankton	Copepoda				70223.13
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Holoplankton	Mysida				1834.19
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Bivalvia				786.08
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Cirripedia				262.03
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Gastropoda				4716.48
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Meroplankton	Tunicata				4716.48
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Insecta				262.03
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Amphipoda				262.03
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Cumacea				524.05
CFBC	CFBC-04	B	Night	September 3-4, 2008	11	Pseudoplankton/ Benthos	Ostracoda				262.03
CFBC	CFBC-04	A	Day	September 15, 2008	12	Ichthyoplankton	Blenniidae			Post yolk-sac larvae	1.68
CFBC	CFBC-04	A	Day	September 15, 2008	12	Ichthyoplankton	Clupeidae			Yolk-sac larvae	1.68
CFBC	CFBC-04	A	Day	September 15, 2008	12	Ichthyoplankton	Gobiidae			Post yolk-sac larvae	6.72
CFBC	CFBC-04	A	Day	September 15, 2008	12	Ichthyoplankton	Gobiidae	Bathygobius soporator		Post yolk-sac larvae	16.80
CFBC	CFBC-04	A	Day	September 15, 2008	12	Ichthyoplankton	Gobiidae	Gobiosoma bosc		Post yolk-sac larvae	1.68
CFBC	CFBC-04	A	Day	September 15, 2008	12	Ichthyoplankton	UnID			Yolk-sac larvae	57.13
CFBC	CFBC-04	A	Day	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex		Zoea	5162.16
CFBC	CFBC-04	A	Day	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex		Megalopae	53.77
CFBC	CFBC-04	A	Day	September 15, 2008	12	Meroplankton	Callianassidae			Zoea	53.77
CFBC	CFBC-04	A	Day	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.		Zoea	53.77
CFBC	CFBC-04	A	Day	September 15, 2008	12	Meroplankton	Panopeidae			Zoea	3333.89
CFBC	CFBC-04	A	Day	September 15, 2008	12	Meroplankton	Panopeidae			Megalopae	53.77
CFBC	CFBC-04	A	Day	September 15, 2008	12	Holoplankton	Chaetognatha				5.04
CFBC	CFBC-04	A	Day	September 15, 2008	12	Holoplankton	Copepoda				45.37
CFBC	CFBC-04	A	Day	September 15, 2008	12	Meroplankton	Cirripedia				42.01
CFBC	CFBC-04	A	Day	September 15, 2008	12	Meroplankton	Gastropoda				35.29
CFBC	CFBC-04	A	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Amphipoda				3.36
CFBC	CFBC-04	A	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Isopoda				3.36
CFBC	CFBC-04	A	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Polychaeta				1.68
CFBC	CFBC-04	B	Day	September 15, 2008	12	Ichthyoplankton	Blenniidae			Post yolk-sac larvae	1.79
CFBC	CFBC-04	B	Day	September 15, 2008	12	Ichthyoplankton	Engraulidae			Post yolk-sac larvae	10.72
CFBC	CFBC-04	B	Day	September 15, 2008	12	Ichthyoplankton	Gobiidae			Post yolk-sac larvae	3.57
CFBC	CFBC-04	B	Day	September 15, 2008	12	Ichthyoplankton	Gobiidae	Bathygobius soporator		Post yolk-sac larvae	21.43
CFBC	CFBC-04	B	Day	September 15, 2008	12	Ichthyoplankton	Gobiidae	Microgobius gulosus		Post yolk-sac larvae	5.36
CFBC	CFBC-04	B	Day	September 15, 2008	12	Ichthyoplankton	UnID			Yolk-sac larvae	80.37
CFBC	CFBC-04	B	Day	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex		Zoea	3472.05
CFBC	CFBC-04	B	Day	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex		Megalopae	28.58
CFBC	CFBC-04	B	Day	September 15, 2008	12	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex		Zoea	42.86
CFBC	CFBC-04	B	Day	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.		Zoea	28.58
CFBC	CFBC-04	B	Day	September 15, 2008	12	Meroplankton	Panopeidae			Zoea	1828.90
CFBC	CFBC-04	B	Day	September 15, 2008	12	Meroplankton	Panopeidae			Megalopae	28.58
CFBC	CFBC-04	B	Day	September 15, 2008	12	Holoplankton	Chaetognatha				3.57
CFBC	CFBC-04	B	Day	September 15, 2008	12	Holoplankton	Copepoda				194.68
CFBC	CFBC-04	B	Day	September 15, 2008	12	Meroplankton	Cirripedia				176.82
CFBC	CFBC-04	B	Day	September 15, 2008	12	Meroplankton	Gastropoda				16.07
CFBC	CFBC-04	B	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Amphipoda				1.79
CFBC	CFBC-04	B	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Isopoda				10.72
CFBC	CFBC-04	B	Day	September 15, 2008	12	Pseudoplankton/ Benthos	Ostracoda				1.79
CFBC	CFBC-04	A	Night	September 15, 2008	12	Ichthyoplankton	Blenniidae			Post yolk-sac larvae	17.93
CFBC	CFBC-04	A	Night	September 15, 2008	12	Ichthyoplankton	Engraulidae			Post yolk-sac larvae	1.99
CFBC	CFBC-04	A	Night	September 15, 2008	12	Ichthyoplankton	Engraulidae			Yolk-sac larvae	23.90
CFBC	CFBC-04	A	Night	September 15, 2008	12	Ichthyoplankton	Engraulidae	Anchoa mitchilli		Post yolk-sac larvae	19.92
CFBC	CFBC-04	A	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae			Post yolk-sac larvae	11.95
CFBC	CFBC-04	A	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Bathygobius soporator		Post yolk-sac larvae	7.97
CFBC	CFBC-04	A	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Gobiosoma bosc		Post yolk-sac larvae	5.98
CFBC	CFBC-04	A	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Microgobius gulosus		Post yolk-sac larvae	3.98
CFBC	CFBC-04	A	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Microgobius thalassinus		Post yolk-sac larvae	23.90
CFBC	CFBC-04	A	Night	September 15, 2008	12	Ichthyoplankton	UnID			Yolk-sac larvae	33.86
CFBC	CFBC-04	A	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex		Zoea	1657.37
CFBC	CFBC-04	A	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex		Megalopae	478.09
CFBC	CFBC-04	A	Night	September 15, 2008	12	Meroplankton	Callianassidae			Zoea	63.75
CFBC	CFBC-04	A	Night	September 15, 2008	12	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex		Zoea	509.96
CFBC	CFBC-04	A	Night	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.		Zoea	63.75
CFBC	CFBC-04	A	Night	September 15, 2008	12	Meroplankton	Panopeidae			Zoea	2486.06
CFBC	CFBC-04	A	Night	September 15, 2008	12	Meroplankton	Panopeidae			Megalopae	254.98
CFBC	CFBC-04	A	Night	September 15, 2008	12	Meroplankton	Pinnotheridae			Megalopae	63.75
CFBC	CFBC-04	A	Night	September 15, 2008	12	Meroplankton	Unidentified shrimp			Zoea	63.75
CFBC	CFBC-04	A	Night	September 15, 2008	12	Meroplankton	Upogebiidae	Upogebia affinis		Zoea	63.75
CFBC	CFBC-04	A	Night	September 15, 2008	12	Meroplankton	Upogebiidae	Upogebia affinis		Post-larval	31.87
CFBC	CFBC-04	A	Night	September 15, 2008	12	Holoplankton	Copepoda				2454.18
CFBC	CFBC-04	A	Night	September 15, 2008	12	Holoplankton	Euphausiacea				31.87
CFBC	CFBC-04	A	Night	September 15, 2008	12	Holoplankton	Mysida				1625.50
CFBC	CFBC-04	A	Night	September 15, 2008	12	Meroplankton	Cirripedia				95.62
CFBC	CFBC-04	A	Night	September 15, 2008	12	Meroplankton	Tunicata				191.24
CFBC	CFBC-04	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Amphipoda				95.62
CFBC	CFBC-04	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Cumacea				318.73
CFBC	CFBC-04	A	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Polychaeta				31.87
CFBC	CFBC-04	B	Night	September 15, 2008	12	Ichthyoplankton	Achiridae	Achirus lineatus		Post yolk-sac larvae	1.99
CFBC	CFBC-04	B	Night	September 15, 2008	12	Ichthyoplankton	Blenniidae			Post yolk-sac larvae	11.92
CFBC	CFBC-04	B	Night	September 15, 2008	12	Ichthyoplankton	Engraulidae			Yolk-sac larvae	37.75
CFBC	CFBC-04	B	Night	September 15, 2008	12	Ichthyoplankton	Engraulidae	Anchoa mitchilli		Post yolk-sac larvae	9.93
CFBC	CFBC-04	B	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae			Post yolk-sac larvae	9.93
CFBC	CFBC-04	B	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Bathygobius soporator		Post yolk-sac larvae	3.97
CFBC	CFBC-04	B	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Gobiosoma bosc		Post yolk-sac larvae	15.90

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date	Count	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-04	B	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	1.99
CFBC	CFBC-04	B	Night	September 15, 2008	12	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	19.87
CFBC	CFBC-04	B	Night	September 15, 2008	12	Ichthyoplankton	Sciaenidae	Menticirhus americanus	Post yolk-sac larvae	1.99
CFBC	CFBC-04	B	Night	September 15, 2008	12	Ichthyoplankton	UnID		Yolk-sac larvae	27.82
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	1907.41
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	524.54
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Callinassidae		Zoea	15.90
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	1653.09
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	15.90
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Panopeidae		Zoea	1557.72
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Panopeidae		Megalopae	143.06
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	15.90
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Penaeidae		Juvenile	15.90
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Pinnotheridae		Zoea	15.90
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Pinnotheridae		Megalopae	158.95
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	31.79
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	31.79
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	15.90
CFBC	CFBC-04	B	Night	September 15, 2008	12	Holoplankton	Chaetognatha			15.90
CFBC	CFBC-04	B	Night	September 15, 2008	12	Holoplankton	Copepoda			2861.12
CFBC	CFBC-04	B	Night	September 15, 2008	12	Holoplankton	Euphausiacea			95.37
CFBC	CFBC-04	B	Night	September 15, 2008	12	Holoplankton	Mysida			1446.45
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Bivalvia			15.90
CFBC	CFBC-04	B	Night	September 15, 2008	12	Meroplankton	Cirripedia			15.90
CFBC	CFBC-04	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Amphipoda			79.48
CFBC	CFBC-04	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Cumacea			206.64
CFBC	CFBC-04	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Ostracoda			15.90
CFBC	CFBC-04	B	Night	September 15, 2008	12	Pseudoplankton/ Benthos	Polychaeta			31.79
CFBC	CFBC-04	A	Day	October 28, 2008	13	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.83
CFBC	CFBC-04	A	Day	October 28, 2008	13	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	1.83
CFBC	CFBC-04	A	Day	October 28, 2008	13	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	401.90
CFBC	CFBC-04	A	Day	October 28, 2008	13	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	1.83
CFBC	CFBC-04	A	Day	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	42.02
CFBC	CFBC-04	A	Day	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	189.99
CFBC	CFBC-04	A	Day	October 28, 2008	13	Meroplankton	Panopeidae		Megalopae	1.83
CFBC	CFBC-04	A	Day	October 28, 2008	13	Meroplankton	Pinnotheridae		Zoea	10.96
CFBC	CFBC-04	A	Day	October 28, 2008	13	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	7.31
CFBC	CFBC-04	A	Day	October 28, 2008	13	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	3.65
CFBC	CFBC-04	A	Day	October 28, 2008	13	Holoplankton	Chaetognatha			7.31
CFBC	CFBC-04	A	Day	October 28, 2008	13	Holoplankton	Copepoda			31.06
CFBC	CFBC-04	A	Day	October 28, 2008	13	Meroplankton	Cirripedia			1.83
CFBC	CFBC-04	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Insecta			1.83
CFBC	CFBC-04	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Amphipoda			1.83
CFBC	CFBC-04	A	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Isopoda			10.96
CFBC	CFBC-04	B	Day	October 28, 2008	13	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	17.91
CFBC	CFBC-04	B	Day	October 28, 2008	13	Ichthyoplankton	Blenniidae	Lupinoblennius nicholsi	Post yolk-sac larvae	1.79
CFBC	CFBC-04	B	Day	October 28, 2008	13	Ichthyoplankton	Gobioidae	Gobiesox strumosus	Post yolk-sac larvae	1.79
CFBC	CFBC-04	B	Day	October 28, 2008	13	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	528.39
CFBC	CFBC-04	B	Day	October 28, 2008	13	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	1.79
CFBC	CFBC-04	B	Day	October 28, 2008	13	Meroplankton	Luciferidae	Lucifer faxoni	Adult	7.16
CFBC	CFBC-04	B	Day	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	94.93
CFBC	CFBC-04	B	Day	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	394.05
CFBC	CFBC-04	B	Day	October 28, 2008	13	Meroplankton	Pinnotheridae		Zoea	21.49
CFBC	CFBC-04	B	Day	October 28, 2008	13	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	12.54
CFBC	CFBC-04	B	Day	October 28, 2008	13	Meroplankton	UnID Brachyura		Zoea	5.37
CFBC	CFBC-04	B	Day	October 28, 2008	13	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	16.12
CFBC	CFBC-04	B	Day	October 28, 2008	13	Holoplankton	Chaetognatha			14.33
CFBC	CFBC-04	B	Day	October 28, 2008	13	Holoplankton	Copepoda			69.85
CFBC	CFBC-04	B	Day	October 28, 2008	13	Meroplankton	Cirripedia			7.16
CFBC	CFBC-04	B	Day	October 28, 2008	13	Meroplankton	Gastropoda			1.79
CFBC	CFBC-04	B	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Amphipoda			14.33
CFBC	CFBC-04	B	Day	October 28, 2008	13	Pseudoplankton/ Benthos	Isopoda			14.33
CFBC	CFBC-04	A	Night	October 28, 2008	13	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	16.56
CFBC	CFBC-04	A	Night	October 28, 2008	13	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	3.31
CFBC	CFBC-04	A	Night	October 28, 2008	13	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	3.31
CFBC	CFBC-04	A	Night	October 28, 2008	13	Meroplankton	Anomura		Zoea	6.63
CFBC	CFBC-04	A	Night	October 28, 2008	13	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	165.65
CFBC	CFBC-04	A	Night	October 28, 2008	13	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Juvenile	13.25
CFBC	CFBC-04	A	Night	October 28, 2008	13	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	39.75
CFBC	CFBC-04	A	Night	October 28, 2008	13	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	72.88
CFBC	CFBC-04	A	Night	October 28, 2008	13	Meroplankton	Hippolytidae	Hippolyte spp.	Juvenile	13.25
CFBC	CFBC-04	A	Night	October 28, 2008	13	Meroplankton	Leucosidae	Persephona mediterranea	Zoea	6.63
CFBC	CFBC-04	A	Night	October 28, 2008	13	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	6.63
CFBC	CFBC-04	A	Night	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	145.77
CFBC	CFBC-04	A	Night	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	357.79
CFBC	CFBC-04	A	Night	October 28, 2008	13	Meroplankton	Penaeidae	Farfantepenaeus spp.	Post-larval	6.63
CFBC	CFBC-04	A	Night	October 28, 2008	13	Meroplankton	Pinnotheridae		Zoea	33.13
CFBC	CFBC-04	A	Night	October 28, 2008	13	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	19.88
CFBC	CFBC-04	A	Night	October 28, 2008	13	Holoplankton	Chaetognatha			1802.22
CFBC	CFBC-04	A	Night	October 28, 2008	13	Holoplankton	Copepoda			44525.43
CFBC	CFBC-04	A	Night	October 28, 2008	13	Holoplankton	Mysida			1166.14
CFBC	CFBC-04	A	Night	October 28, 2008	13	Meroplankton	Gastropoda			106.01
CFBC	CFBC-04	A	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Cumacea			212.03
CFBC	CFBC-04	A	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Isopoda			212.03

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-04	B	Night	October 28, 2008	13	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	30.83
CFBC	CFBC-04	B	Night	October 28, 2008	13	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	1.71
CFBC	CFBC-04	B	Night	October 28, 2008	13	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	1.71
CFBC	CFBC-04	B	Night	October 28, 2008	13	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	6.85
CFBC	CFBC-04	B	Night	October 28, 2008	13	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1.71
CFBC	CFBC-04	B	Night	October 28, 2008	13	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	1.71
CFBC	CFBC-04	B	Night	October 28, 2008	13	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	1.71
CFBC	CFBC-04	B	Night	October 28, 2008	13	Ichthyoplankton	Sciaenidae	Sciaenops ocellatus	Post yolk-sac larvae	1.71
CFBC	CFBC-04	B	Night	October 28, 2008	13	Ichthyoplankton	Triglidae		Post yolk-sac larvae	1.71
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	13.70
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	41.10
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	95.91
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Post-larval	13.70
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	287.72
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	68.50
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Hippolytidae	Hippolyte spp.	Adult	13.70
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	27.40
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	27.40
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	137.01
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Palaemonidae	Palaemonetes spp.	Post-larval	27.40
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Panopeidae		Zoea	835.76
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Panopeidae		Megalopae	41.10
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Panaeidae		Juvenile	27.40
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Panaeidae	Farfantepenaeus duorarum	Post-larval	27.40
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Pinnotheridae		Zoea	164.41
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Pinnotheridae		Megalopae	41.10
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Porcellanidae		Adult	13.70
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Portunidae	Callinectes sapidus	Juvenile	27.40
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	UnID Brachyura		Megalopae	13.70
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	219.22
CFBC	CFBC-04	B	Night	October 28, 2008	13	Holoplankton	Chaetognatha			3726.67
CFBC	CFBC-04	B	Night	October 28, 2008	13	Holoplankton	Copepoda			32224.70
CFBC	CFBC-04	B	Night	October 28, 2008	13	Holoplankton	Mysida			548.04
CFBC	CFBC-04	B	Night	October 28, 2008	13	Meroplankton	Cirripedia			548.04
CFBC	CFBC-04	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Amphipoda			876.86
CFBC	CFBC-04	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Cumacea			548.04
CFBC	CFBC-04	B	Night	October 28, 2008	13	Pseudoplankton/ Benthos	Polychaeta			109.61
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Ichthyoplankton	Clupeidae/Ostraciidae egg complex		Egg	3.09
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1.55
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	3.09
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	4.64
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	Laomedidae	Naushonia crangonoides	Zoea	1.55
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	1.55
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	6.19
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	Paguridae	Pagurus spp.	Zoea	1.55
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	6.19
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	64.99
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	Pinnotheridae		Zoea	6.19
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	Pinnotheridae		Juvenile	1.55
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	UnID Brachyura		Zoea	1.55
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Holoplankton	Chaetognatha			99.03
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Holoplankton	Copepoda			977.87
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	Cirripedia			37.13
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	Gastropoda			12.38
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Meroplankton	Tunicata			12.38
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Isopoda			12.38
CFBC	CFBC-04	A	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Polychaeta			37.13
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.67
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	1.67
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	8.33
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	5.00
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Meroplankton	Paguridae	Pagurus spp.	Zoea	1.67
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	10.00
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	74.98
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Meroplankton	Pinnotheridae		Zoea	11.66
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Meroplankton	Pinnotheridae		Juvenile	1.67
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	1.67
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Holoplankton	Chaetognatha			81.64
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Holoplankton	Copepoda			559.81
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Holoplankton	Mysida			6.66
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Meroplankton	Cirripedia			31.66
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Meroplankton	Gastropoda			3.33
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Meroplankton	Tunicata			5.00
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Amphipoda			11.66
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Branchiura			1.67
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Cumacea			3.33
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Hydrozoa			1.67
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Ostracoda			5.00
CFBC	CFBC-04	B	Day	November 13-14, 2008	14	Pseudoplankton/ Benthos	Polychaeta			19.99
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.39
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	5.54
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	4.16
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	9.70

A-5 CFBC Plankton Data

Site	Station	Replicate	Day or Night	Date		Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	9.70
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	2.77
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	5.54
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	16.63
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	34.65
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Meroplankton	Pinnotheridae		Zoea	9.70
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	1.39
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Holoplankton	Chaetognatha			1751.91
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Holoplankton	Copepoda			3503.81
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Holoplankton	Euphausiacea			22.18
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Meroplankton	Bivalvia			22.18
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Meroplankton	Cirripedia			66.53
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Amphipoda			133.06
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Cumacea			155.23
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Ostracoda			44.35
CFBC	CFBC-04	A	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Polychaeta			88.70
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	4.99
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	3.33
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	9.99
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	4.99
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	1.66
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Meroplankton	Luciferidae	Lucifer faxoni	Adult	8.32
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	23.30
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Meroplankton	Panopeidae		Zoea	31.62
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Meroplankton	Penaeidae	Farfantepenaeus duorarum	Post-larval	1.66
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Meroplankton	Penaeidae	Farfantepenaeus duorarum	Juvenile	1.66
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Meroplankton	Pinnotheridae		Zoea	14.98
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	3.33
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Meroplankton	Unidentified shrimp		Zoea	1.66
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Holoplankton	Chaetognatha			1411.22
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Holoplankton	Copepoda			4100.52
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Holoplankton	Euphausiacea			26.63
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Meroplankton	Cirripedia			26.63
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Amphipoda			26.63
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Branchiura			26.63
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Cumacea			159.76
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Ostracoda			26.63
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Polychaeta			26.63
CFBC	CFBC-04	B	Night	November 13-14, 2008	14	Pseudoplankton/ Benthos	Tanaidacea			26.63

A-6

CFBC Fish Data

A-6 CFBC Fish Data

Equipment Type	Site	Station	Date	Common Name	Organism Name	Number Collected	Catch per Unit Effort
Beach Seine	CFBC	CFBC-01	03-Dec-07	Atlantic needlefish	Strongylura marina	4	2.0
Beach Seine	CFBC	CFBC-01	03-Dec-07	Spotfin Mojarra	Eucinostomus argenteus	57	28.5
Beach Seine	CFBC	CFBC-01	19-Jun-08	Bay anchovy	Anchoa mitchilli	86	43.0
Beach Seine	CFBC	CFBC-01	19-Jun-08	Gray Snapper	Lutjanus griseus	1	0.5
Beach Seine	CFBC	CFBC-01	19-Jun-08	Gulf Menhaden	Brevoortia patronus	591	296.0
Beach Seine	CFBC	CFBC-01	19-Jun-08	Pinfish	Lagodon rhomboides	1	0.5
Beach Seine	CFBC	CFBC-01	19-Jun-08	Sheepshead minnow	Cyprinodon variegatus	2	1.0
Beach Seine	CFBC	CFBC-01	19-Jun-08	Spotfin Mojarra	Eucinostomus argenteus	1	0.5
Beach Seine	CFBC	CFBC-01	19-Jun-08	Striped Anchovy	Anchoa hepsetus	2	1.0
Beach Seine	CFBC	CFBC-01	26-Aug-08	Goldspotted killifish	Floridichthys carpio	2	1.0
Beach Seine	CFBC	CFBC-01	26-Aug-08	Longnose killifish	Fundulus similis	1	0.5
Beach Seine	CFBC	CFBC-01	26-Aug-08	Spotfin Mojarra	Eucinostomus argenteus	25	12.5
Beach Seine	CFBC	CFBC-01	26-Aug-08	Sunfish	Lepomis sp.	1	0.5
Beach Seine	CFBC	CFBC-01	04-Sep-08	Gulf killifish	Fundulus grandis	1	0.5
Beach Seine	CFBC	CFBC-01	04-Sep-08	Sheepshead minnow	Cyprinodon variegatus	5	2.5
Cast Net	CFBC	CFBC-01	30-Oct-07	Gray Snapper	Lutjanus griseus	4	2.6
Cast Net	CFBC	CFBC-01	30-Oct-07	Ladyfish	Elops saurus	1	0.6
Cast Net	CFBC	CFBC-01	30-Oct-07	Pinfish	Lagodon rhomboides	8	5.1
Cast Net	CFBC	CFBC-01	30-Oct-07	Red Drum	Sciaenops ocellatus	1	0.6
Cast Net	CFBC	CFBC-01	30-Oct-07	Striped Mullet	Mugil cephalus	7	4.5
Cast Net	CFBC	CFBC-01	02-Nov-07	Atlantic Needlefish	Strongylura marina	1	0.6
Cast Net	CFBC	CFBC-01	02-Nov-07	Scaled Sardine	Harengula jaguana	24	15.4
Cast Net	CFBC	CFBC-01	02-Nov-07	Spotfin Mojarra	Eucinostomus argenteus	14	9.0
Cast Net	CFBC	CFBC-01	02-Nov-07	White Mullet	Mugil curema	5	3.2
Cast Net	CFBC	CFBC-01	03-Dec-07	Pinfish	Lagodon rhomboides	1	0.6
Cast Net	CFBC	CFBC-01	03-Dec-07	Red Drum	Sciaenops ocellatus	1	0.6
Cast Net	CFBC	CFBC-01	03-Dec-07	Spotfin Mojarra	Eucinostomus argenteus	51	31.9
Cast Net	CFBC	CFBC-01	03-Dec-07	White Mullet	Mugil curema	3	1.9
Cast Net	CFBC	CFBC-01	12-May-08	Atlantic needlefish	Strongylura marina	2	1.0
Cast Net	CFBC	CFBC-01	12-May-08	Bay anchovy	Anchoa mitchilli	12	6.0
Cast Net	CFBC	CFBC-01	12-May-08	Herring sp.	Clupeidae	4	2.0
Cast Net	CFBC	CFBC-01	12-May-08	Pinfish	Lagodon rhomboides	1	0.5
Cast Net	CFBC	CFBC-01	25-Aug-08	Goldspotted killifish	Floridichthys carpio	5	3.1
Cast Net	CFBC	CFBC-01	25-Aug-08	Pinfish	Lagodon rhomboides	2	1.3
Cast Net	CFBC	CFBC-01	25-Aug-08	Redfin needlefish	Strongylura notata	2	1.3
Cast Net	CFBC	CFBC-01	25-Aug-08	Sheepshead	Archosargus probatocephalus	1	0.6
Cast Net	CFBC	CFBC-01	25-Aug-08	Spotfin Mojarra	Eucinostomus argenteus	5	3.1
Cast Net	CFBC	CFBC-01	25-Aug-08	Striped mullet	Mugil cephalus	1	0.6
Gill Net	CFBC	CFBC-01	06-Nov-07	Gray Snapper	Lutjanus griseus	1	4.4
Gill Net	CFBC	CFBC-01	06-Nov-07	Ladyfish	Elops saurus	3	13.1
Gill Net	CFBC	CFBC-01	06-Nov-07	Spotfin Mojarra	Eucinostomus argenteus	5	21.8
Gill Net	CFBC	CFBC-01	06-Jun-08	Gafftopsail catfish	Bagre marinus	2	8.0
Gill Net	CFBC	CFBC-01	06-Jun-08	Ladyfish	Elops saurus	5	20.0
Gill Net	CFBC	CFBC-01	06-Jun-08	Longnose gar	Lepisosteus osseus	1	4.0
Gill Net	CFBC	CFBC-01	25-Aug-08	Largemouth bass	Micropterus salmoides	1	4.0
Gill Net	CFBC	CFBC-01	25-Aug-08	Longnose gar	Lepisosteus osseus	1	4.0
Minnow Trap	CFBC	CFBC-01	07-Nov-07	Spotfin Mojarra	Eucinostomus argenteus	14	1.6
Minnow Trap	CFBC	CFBC-01	04-Dec-07	Spotfin Mojarra	Eucinostomus argenteus	3	0.4
Minnow Trap	CFBC	CFBC-01	26-Aug-08	Bluegill	Lepomis macrochirus	3	0.3
Minnow Trap	CFBC	CFBC-01	26-Aug-08	Naked goby	Gobiosoma bosc	4	0.4
Minnow Trap	CFBC	CFBC-01	26-Aug-08	Spotfin Mojarra	Eucinostomus argenteus	20	1.8
Trawl	CFBC	CFBC-01	30-Oct-07	Bay Anchovy	Anchoa mitchilli	2	1.0
Trawl	CFBC	CFBC-01	30-Oct-07	Black Drum	Pogonias cromis	1	0.5
Trawl	CFBC	CFBC-01	30-Oct-07	Gray Snapper	Lutjanus griseus	2	1.0
Trawl	CFBC	CFBC-01	30-Oct-07	Sheepshead	Archosargus probatocephalus	1	0.5
Trawl	CFBC	CFBC-01	30-Oct-07	Spotfin Mojarra	Eucinostomus argenteus	2	1.0
Trawl	CFBC	CFBC-01	03-Dec-07	Black Drum	Pogonias cromis	3	1.5
Trawl	CFBC	CFBC-01	03-Dec-07	Spotfin Mojarra	Eucinostomus argenteus	1	0.5
Beach Seine	CFBC	CFBC-02	30-Oct-07	Gray Snapper	Lutjanus griseus	1	0.5
Beach Seine	CFBC	CFBC-02	30-Oct-07	Ladyfish	Elops saurus	1	0.5
Beach Seine	CFBC	CFBC-02	30-Oct-07	Pinfish	Lagodon rhomboides	3	1.5

A-6 CFBC Fish Data

Equipment Type	Site	Station	Date	Common Name	Organism Name	Number Collected	Catch per Unit Effort
Beach Seine	CFBC	CFBC-02	30-Oct-07	Red Drum	Sciaenops ocellatus	1	0.5
Beach Seine	CFBC	CFBC-02	30-Oct-07	Spotfin Mojarra	Eucinostomus argenteus	28	14.0
Beach Seine	CFBC	CFBC-02	11-Dec-07	Bay Anchovy	Anchoa mitchilli	2	1.0
Beach Seine	CFBC	CFBC-02	11-Dec-07	Goby	Gobiidae	1	0.5
Beach Seine	CFBC	CFBC-02	11-Dec-07	Gray Snapper	Lutjanus griseus	4	2.0
Beach Seine	CFBC	CFBC-02	11-Dec-07	Gulf Menhaden	Brevoortia patronus	1	0.5
Beach Seine	CFBC	CFBC-02	11-Dec-07	Scaled Sardine	Harengula jaguana	18	9.0
Beach Seine	CFBC	CFBC-02	11-Dec-07	Spotfin Mojarra	Eucinostomus argenteus	2	1.0
Beach Seine	CFBC	CFBC-02	11-Dec-07	Striped Anchovy	Anchoa hepsetus	1	0.5
Beach Seine	CFBC	CFBC-02	19-Jun-08	Pinfish	Lagodon rhomboides	1	0.5
Beach Seine	CFBC	CFBC-02	05-Sep-08	Atlantic needlefish	Strongylura marina	1	0.5
Beach Seine	CFBC	CFBC-02	05-Sep-08	Pinfish	Lagodon rhomboides	3	1.5
Beach Seine	CFBC	CFBC-02	05-Sep-08	Spotfin Mojarra	Eucinostomus argenteus	12	6.0
Cast Net	CFBC	CFBC-02	29-Oct-07	Bay Anchovy	Anchoa mitchilli	18	7.8
Cast Net	CFBC	CFBC-02	29-Oct-07	Common Snook	Centropomus undecimalis	1	0.4
Cast Net	CFBC	CFBC-02	29-Oct-07	Gray Snapper	Lutjanus griseus	10	4.3
Cast Net	CFBC	CFBC-02	29-Oct-07	Mullet	Mugil sp.	9	3.9
Cast Net	CFBC	CFBC-02	29-Oct-07	Pinfish	Lagodon rhomboides	7	3.0
Cast Net	CFBC	CFBC-02	29-Oct-07	Sheepshead	Archosargus probatocephalus	2	0.9
Cast Net	CFBC	CFBC-02	29-Oct-07	Spot	Leiostomus xanthurus	3	1.3
Cast Net	CFBC	CFBC-02	31-Oct-07	Ladyfish	Elops saurus	5	2.2
Cast Net	CFBC	CFBC-02	31-Oct-07	Spotfin Mojarra	Eucinostomus argenteus	28	12.1
Cast Net	CFBC	CFBC-02	02-Nov-07	White Mullet	Mugil curema	2	0.9
Cast Net	CFBC	CFBC-02	11-Dec-07	Atlantic needlefish	Strongylura marina	1	0.6
Cast Net	CFBC	CFBC-02	11-Dec-07	Bull Shark	Carcharhinus leucas	2	1.3
Cast Net	CFBC	CFBC-02	11-Dec-07	Gray Snapper	Lutjanus griseus	2	1.3
Cast Net	CFBC	CFBC-02	11-Dec-07	Gulf Menhaden	Brevoortia patronus	5	3.1
Cast Net	CFBC	CFBC-02	11-Dec-07	Hardhead catfish	Ariopsis felis	1	0.6
Cast Net	CFBC	CFBC-02	11-Dec-07	Ladyfish	Elops saurus	3	1.9
Cast Net	CFBC	CFBC-02	11-Dec-07	Pinfish	Lagodon rhomboides	2	1.3
Cast Net	CFBC	CFBC-02	11-Dec-07	Scaled Sardine	Harengula jaguana	22	13.8
Cast Net	CFBC	CFBC-02	11-Dec-07	Sheepshead	Archosargus probatocephalus	1	0.6
Cast Net	CFBC	CFBC-02	11-Dec-07	Silver Perch	Bairdiella chrysoura	1	0.6
Cast Net	CFBC	CFBC-02	11-Dec-07	Spotfin Mojarra	Eucinostomus argenteus	7	4.4
Cast Net	CFBC	CFBC-02	11-Dec-07	Striped Anchovy	Anchoa hepsetus	1	0.6
Cast Net	CFBC	CFBC-02	11-Dec-07	Striped Mullet	Mugil cephalus	4	2.5
Cast Net	CFBC	CFBC-02	11-Dec-07	White Mullet	Mugil curema	12	7.5
Cast Net	CFBC	CFBC-02	13-May-08	Black Drum	Pogonias cromis	3	1.5
Cast Net	CFBC	CFBC-02	13-May-08	Common mojarra	Eucinostomus gula	1	0.5
Cast Net	CFBC	CFBC-02	13-May-08	Common Snook	Centropomus undecimalis	1	0.5
Cast Net	CFBC	CFBC-02	13-May-08	Ladyfish	Elops saurus	1	0.5
Cast Net	CFBC	CFBC-02	13-May-08	Pinfish	Lagodon rhomboides	4	2.0
Cast Net	CFBC	CFBC-02	13-May-08	Skilletfish	Gobiesox strumosus	1	0.5
Cast Net	CFBC	CFBC-02	13-May-08	Striped Mullet	Mugil cephalus	1	0.5
Cast Net	CFBC	CFBC-02	13-May-08	White Mullet	Mugil curema	13	6.5
Cast Net	CFBC	CFBC-02	25-Aug-08	Black drum	Pogonias cromis	1	0.6
Cast Net	CFBC	CFBC-02	25-Aug-08	Pinfish	Lagodon rhomboides	2	1.3
Cast Net	CFBC	CFBC-02	25-Aug-08	Sheepshead	Archosargus probatocephalus	2	1.3
Cast Net	CFBC	CFBC-02	25-Aug-08	Skilletfish	Gobiesox strumosus	2	1.3
Gill Net	CFBC	CFBC-02	06-Nov-07	Bull Shark	Carcharhinus leucas	6	22.9
Gill Net	CFBC	CFBC-02	06-Nov-07	Crevalle Jack	Caranx hippos	1	3.8
Gill Net	CFBC	CFBC-02	06-Nov-07	Gafftopsail Catfish	Bagre marinus	1	3.8
Gill Net	CFBC	CFBC-02	06-Nov-07	Gizzard Shad	Dorosoma cepedianum	1	3.8
Gill Net	CFBC	CFBC-02	06-Nov-07	Gulf Menhaden	Brevoortia patronus	3	11.5
Gill Net	CFBC	CFBC-02	06-Nov-07	Ladyfish	Elops saurus	3	11.5
Gill Net	CFBC	CFBC-02	06-Nov-07	Sheepshead	Archosargus probatocephalus	1	3.8
Gill Net	CFBC	CFBC-02	06-Nov-07	Spotfin Mojarra	Eucinostomus argenteus	36	138.0
Gill Net	CFBC	CFBC-02	11-Dec-07	Common Snook	Centropomus undecimalis	2	36.5
Gill Net	CFBC	CFBC-02	11-Dec-07	Crevalle jack	Caranx hippos	1	18.2
Gill Net	CFBC	CFBC-02	11-Dec-07	Ladyfish	Elops saurus	1	18.2

A-6 CFBC Fish Data

Equipment Type	Site	Station	Date	Common Name	Organism Name	Number Collected	Catch per Unit Effort
Gill Net	CFBC	CFBC-02	06-Jun-08	Black Drum	Pogonias cromis	1	4.6
Gill Net	CFBC	CFBC-02	06-Jun-08	Gafftopsail catfish	Bagre marinus	1	4.6
Gill Net	CFBC	CFBC-02	06-Jun-08	Striped Mullet	Mugil cephalus	1	4.6
Gill Net	CFBC	CFBC-02	26-Aug-08	Ladyfish	Elops saurus	1	3.7
Minnow Trap	CFBC	CFBC-02	29-Oct-07	Goby	Gobiidae	5	0.5
Minnow Trap	CFBC	CFBC-02	31-Oct-07	Naked Goby	Gobiosoma bosc	1	0.1
Minnow Trap	CFBC	CFBC-02	31-Oct-07	Silver Perch	Bairdiella chrysoura	1	0.1
Minnow Trap	CFBC	CFBC-02	31-Oct-07	Spotfin Mojarra	Eucinostomus argenteus	3	0.3
Minnow Trap	CFBC	CFBC-02	12-Dec-07	Goby	Gobiidae	5	0.5
Minnow Trap	CFBC	CFBC-02	12-Dec-07	Spotfin Mojarra	Eucinostomus argenteus	1	0.1
Minnow Trap	CFBC	CFBC-02	14-May-08	Code goby	Gobiosoma robustum	2	0.2
Minnow Trap	CFBC	CFBC-02	14-May-08	Goby	Gobiidae	1	0.1
Minnow Trap	CFBC	CFBC-02	14-May-08	Pigfish	Orthopristis chrysoptera	2	0.2
Minnow Trap	CFBC	CFBC-02	14-May-08	Silver Perch	Bairdiella chrysoura	63	6.1
Minnow Trap	CFBC	CFBC-02	14-May-08	Skilletfish	Gobiesox strumosus	1	0.1
Minnow Trap	CFBC	CFBC-02	27-Aug-08	Gulf toadfish	Opsanus beta	1	0.1
Minnow Trap	CFBC	CFBC-02	27-Aug-08	Naked goby	Gobiosoma bosc	5	0.6
Minnow Trap	CFBC	CFBC-02	27-Aug-08	Spotfin Mojarra	Eucinostomus argenteus	2	0.2
Trawl	CFBC	CFBC-02	30-Oct-07	Atlantic Bumper	Chloroscombrus chrysurus	6	6.0
Trawl	CFBC	CFBC-02	30-Oct-07	Bay Anchovy	Anchoa mitchilli	336	336.0
Trawl	CFBC	CFBC-02	30-Oct-07	Gray Snapper	Lutjanus griseus	1	1.0
Trawl	CFBC	CFBC-02	30-Oct-07	Hardhead Catfish	Ariopsis felis	1	1.0
Trawl	CFBC	CFBC-02	30-Oct-07	Least Puffer	Sphoeroides parvus	1	1.0
Trawl	CFBC	CFBC-02	30-Oct-07	Pinfish	Lagodon rhomboides	22	22.0
Trawl	CFBC	CFBC-02	30-Oct-07	Sand Seatrout	Cynoscion arenarius	6	6.0
Trawl	CFBC	CFBC-02	30-Oct-07	Spotfin Mojarra	Eucinostomus argenteus	56	56.0
Trawl	CFBC	CFBC-02	11-Dec-07	Bay Anchovy	Anchoa mitchilli	337	169.0
Trawl	CFBC	CFBC-02	11-Dec-07	Black Drum	Pogonias cromis	6	3.0
Trawl	CFBC	CFBC-02	11-Dec-07	Gray Snapper	Lutjanus griseus	2	1.0
Trawl	CFBC	CFBC-02	11-Dec-07	Gulf Menhaden	Brevoortia patronus	64	32.0
Trawl	CFBC	CFBC-02	11-Dec-07	Sand Seatrout	Cynoscion arenarius	1	0.5
Trawl	CFBC	CFBC-02	11-Dec-07	Scaled Sardine	Harengula jaguana	1	0.5
Trawl	CFBC	CFBC-02	11-Dec-07	Silver Perch	Bairdiella chrysoura	30	15.0
Trawl	CFBC	CFBC-02	11-Dec-07	Spotfin Mojarra	Eucinostomus argenteus	2	1.0
Trawl	CFBC	CFBC-02	11-Dec-07	Striped Anchovy	Anchoa hepsetus	2	1.0
Trawl	CFBC	CFBC-02	15-May-08	Atlantic croaker	Microponogonias undulatus	8	4.0
Trawl	CFBC	CFBC-02	15-May-08	Atlantic Stingray	Dasyatis sabina	1	0.5
Trawl	CFBC	CFBC-02	15-May-08	Bay Anchovy	Anchoa mitchilli	12	6.0
Trawl	CFBC	CFBC-02	15-May-08	Black Drum	Pogonias cromis	2	1.0
Trawl	CFBC	CFBC-02	15-May-08	Gulf Flounder	Paralichthys albigutta	1	0.5
Trawl	CFBC	CFBC-02	15-May-08	Hardhead catfish	Ariopsis felis	2	1.0
Trawl	CFBC	CFBC-02	15-May-08	Pinfish	Lagodon rhomboides	10	5.0
Trawl	CFBC	CFBC-02	15-May-08	Sand seatrout	Cynoscion arenarius	3	1.5
Trawl	CFBC	CFBC-02	15-May-08	Spot	Leiostomus xanthurus	14	7.0
Trawl	CFBC	CFBC-02	15-May-08	Yellowfin Menhaden	Brevoortia smithi	1	0.5
Trawl	CFBC	CFBC-02	25-Aug-08	Bay anchovy	Anchoa mitchilli	1	0.5
Trawl	CFBC	CFBC-02	25-Aug-08	Hardhead catfish	Ariopsis felis	1	0.5
Trawl	CFBC	CFBC-02	25-Aug-08	Sand seatrout	Cynoscion arenarius	13	6.5
Trawl	CFBC	CFBC-02	25-Aug-08	Spotfin Mojarra	Eucinostomus argenteus	113	56.5
Trawl	CFBC	CFBC-02	25-Aug-08	Sunfish	Lepomis sp.	1	0.5
Beach Seine	CFBC	CFBC-03	07-Nov-07	Atlantic Needlefish	Strongylura marina	4	2.0
Beach Seine	CFBC	CFBC-03	07-Nov-07	Bay Anchovy	Anchoa mitchilli	6	3.0
Beach Seine	CFBC	CFBC-03	07-Nov-07	Ladyfish	Elops saurus	2	1.0
Beach Seine	CFBC	CFBC-03	07-Nov-07	Pinfish	Lagodon rhomboides	2	1.0
Beach Seine	CFBC	CFBC-03	07-Nov-07	Spotfin Mojarra	Eucinostomus argenteus	4	2.0
Beach Seine	CFBC	CFBC-03	11-Dec-07	Atlantic needlefish	Strongylura marina	1	0.5
Beach Seine	CFBC	CFBC-03	11-Dec-07	Atlantic threadfin	Polydactylus octonemus	2	1.0
Beach Seine	CFBC	CFBC-03	11-Dec-07	Florida Blenny	Chasmodes saburrae	1	0.5
Beach Seine	CFBC	CFBC-03	11-Dec-07	Goby	Gobiidae	2	1.0
Beach Seine	CFBC	CFBC-03	11-Dec-07	Pinfish	Lagodon rhomboides	1	0.5

A-6 CFBC Fish Data

Equipment Type	Site	Station	Date	Common Name	Organism Name	Number Collected	Catch per Unit Effort
Beach Seine	CFBC	CFBC-03	11-Dec-07	Scaled Sardine	Harengula jaguana	1	0.5
Beach Seine	CFBC	CFBC-03	11-Dec-07	Silver Perch	Bairdiella chrysoura	2	1.0
Beach Seine	CFBC	CFBC-03	11-Dec-07	Skilletfish	Gobiesox strumosus	1	0.5
Beach Seine	CFBC	CFBC-03	11-Dec-07	Spotfin Mojarra	Eucinostomus argenteus	30	15.0
Beach Seine	CFBC	CFBC-03	18-Jun-08	Redfin needlefish	Strongylura notata	4	2.0
Beach Seine	CFBC	CFBC-03	05-Sep-08	Atlantic needlefish	Strongylura marina	1	0.5
Beach Seine	CFBC	CFBC-03	05-Sep-08	Gulf flounder	Paralichthys albigutta	1	0.5
Beach Seine	CFBC	CFBC-03	05-Sep-08	Leatherjacket	Oligoplites saurus	1	0.5
Beach Seine	CFBC	CFBC-03	05-Sep-08	Pigfish	Orthopristis chrysoptera	1	0.5
Beach Seine	CFBC	CFBC-03	05-Sep-08	Spotfin Mojarra	Eucinostomus argenteus	1	0.5
Cast Net	CFBC	CFBC-03	31-Oct-07	Atlantic Needlefish	Strongylura marina	3	1.8
Cast Net	CFBC	CFBC-03	31-Oct-07	Bay Anchovy	Anchoa mitchilli	5	3.1
Cast Net	CFBC	CFBC-03	31-Oct-07	Gray Snapper	Lutjanus griseus	3	1.8
Cast Net	CFBC	CFBC-03	31-Oct-07	Grunt	Haemulidae	2	1.2
Cast Net	CFBC	CFBC-03	31-Oct-07	Herring sp.	Clupeidae	1	0.6
Cast Net	CFBC	CFBC-03	31-Oct-07	Ladyfish	Elops saurus	5	3.1
Cast Net	CFBC	CFBC-03	31-Oct-07	Mullet	Mugil sp.	30	18.3
Cast Net	CFBC	CFBC-03	31-Oct-07	Pigfish	Orthopristis chrysoptera	2	1.2
Cast Net	CFBC	CFBC-03	31-Oct-07	Pinfish	Lagodon rhomboides	25	15.2
Cast Net	CFBC	CFBC-03	31-Oct-07	Scaled Sardine	Harengula jaguana	1	0.6
Cast Net	CFBC	CFBC-03	31-Oct-07	Spotfin Mojarra	Eucinostomus argenteus	17	10.4
Cast Net	CFBC	CFBC-03	31-Oct-07	Striped Anchovy	Anchoa hepsetus	2	1.2
Cast Net	CFBC	CFBC-03	10-Dec-07	Atlantic croaker	Micropogonias undulatus	2	1.3
Cast Net	CFBC	CFBC-03	10-Dec-07	Bay Anchovy	Anchoa mitchilli	5	3.1
Cast Net	CFBC	CFBC-03	10-Dec-07	Gray Snapper	Lutjanus griseus	7	4.4
Cast Net	CFBC	CFBC-03	10-Dec-07	Hardhead catfish	Ariopsis felis	3	1.9
Cast Net	CFBC	CFBC-03	10-Dec-07	Ladyfish	Elops saurus	9	5.6
Cast Net	CFBC	CFBC-03	10-Dec-07	Pinfish	Lagodon rhomboides	8	5.0
Cast Net	CFBC	CFBC-03	10-Dec-07	Sand Seatrout	Cynoscion arenarius	2	1.3
Cast Net	CFBC	CFBC-03	10-Dec-07	Silver Perch	Bairdiella chrysoura	3	1.9
Cast Net	CFBC	CFBC-03	10-Dec-07	Spotfin Mojarra	Eucinostomus argenteus	48	30.0
Cast Net	CFBC	CFBC-03	10-Dec-07	Striped Anchovy	Anchoa hepsetus	1	0.6
Cast Net	CFBC	CFBC-03	10-Dec-07	Striped Mullet	Mugil cephalus	7	4.4
Cast Net	CFBC	CFBC-03	10-Dec-07	White Mullet	Mugil curema	3	1.9
Cast Net	CFBC	CFBC-03	10-Dec-07	Yellowfin Menhaden	Brevoortia smithi	3	1.9
Cast Net	CFBC	CFBC-03	13-May-08	Common mojarra	Eucinostomus gula	2	1.0
Cast Net	CFBC	CFBC-03	13-May-08	Gray Snapper	Lutjanus griseus	2	1.0
Cast Net	CFBC	CFBC-03	13-May-08	Pinfish	Lagodon rhomboides	13	6.5
Cast Net	CFBC	CFBC-03	13-May-08	Striped Mullet	Mugil cephalus	17	8.5
Cast Net	CFBC	CFBC-03	13-May-08	Tidewater mojarra	Eucinostomus harengulus	6	3.0
Cast Net	CFBC	CFBC-03	13-May-08	White Mullet	Mugil curema	11	5.5
Cast Net	CFBC	CFBC-03	26-Aug-08	Gulf Menhaden	Brevoortia patronus	5	3.1
Cast Net	CFBC	CFBC-03	26-Aug-08	Hardhead catfish	Ariopsis felis	1	0.6
Cast Net	CFBC	CFBC-03	26-Aug-08	Spotfin Mojarra	Eucinostomus argenteus	1	0.6
Gill Net	CFBC	CFBC-03	07-Nov-07	Ladyfish	Elops saurus	1	4.4
Gill Net	CFBC	CFBC-03	10-Dec-07	Florida pompano	Trachinotus carolinus	1	15.3
Gill Net	CFBC	CFBC-03	10-Dec-07	Gulf Menhaden	Brevoortia patronus	1	15.3
Gill Net	CFBC	CFBC-03	10-Dec-07	Hardhead catfish	Ariopsis felis	1	15.3
Gill Net	CFBC	CFBC-03	10-Dec-07	Ladyfish	Elops saurus	7	107.0
Gill Net	CFBC	CFBC-03	10-Dec-07	Longnose Gar	Lepisosteus osseus	1	15.3
Gill Net	CFBC	CFBC-03	10-Dec-07	Scaled Sardine	Harengula jaguana	45	689.0
Gill Net	CFBC	CFBC-03	10-Dec-07	Spanish Mackerel	Scomberomorus maculatus	1	15.3
Gill Net	CFBC	CFBC-03	10-Dec-07	Spanish Sardine	Sardinella aurita	1	15.3
Gill Net	CFBC	CFBC-03	10-Dec-07	Spotfin Mojarra	Eucinostomus argenteus	1	15.3
Gill Net	CFBC	CFBC-03	17-Jun-08	Cownose ray	Rhinoptera bonasus	1	4.0
Gill Net	CFBC	CFBC-03	17-Jun-08	Gafftopsail catfish	Bagre marinus	1	4.0
Gill Net	CFBC	CFBC-03	17-Jun-08	Hardhead catfish	Ariopsis felis	1	4.0
Gill Net	CFBC	CFBC-03	17-Jun-08	Harvestfish	Pepilus alepidotus	1	4.0
Gill Net	CFBC	CFBC-03	26-Aug-08	Whitefin sharksucker	Echeneis neucratoides	1	3.7
Minnow Trap	CFBC	CFBC-03	01-Nov-07	Goby	Gobiidae	2	0.2

A-6 CFBC Fish Data

Equipment Type	Site	Station	Date	Common Name	Organism Name	Number Collected	Catch per Unit Effort
Minnow Trap	CFBC	CFBC-03	01-Nov-07	Naked Goby	Gobiosoma bosc	1	0.1
Minnow Trap	CFBC	CFBC-03	01-Nov-07	Skilletfish	Gobiesox strumosus	1	0.1
Minnow Trap	CFBC	CFBC-03	15-May-08	Goby	Gobiidae	3	0.3
Minnow Trap	CFBC	CFBC-03	15-May-08	Gulf Toadfish	Opsanus beta	1	0.1
Minnow Trap	CFBC	CFBC-03	15-May-08	Pigfish	Orthopristis chrysoptera	3	0.3
Minnow Trap	CFBC	CFBC-03	15-May-08	Pinfish	Lagodon rhomboides	12	1.3
Minnow Trap	CFBC	CFBC-03	28-Aug-08	Naked goby	Gobiosoma bosc	5	0.5
Trawl	CFBC	CFBC-03	31-Oct-07	Atlantic spadefish	Chaetodipterus faber	1	0.5
Trawl	CFBC	CFBC-03	31-Oct-07	Bay Anchovy	Anchoa mitchilli	664	332.0
Trawl	CFBC	CFBC-03	31-Oct-07	Gray Snapper	Lutjanus griseus	1	0.5
Trawl	CFBC	CFBC-03	31-Oct-07	Lane Snapper	Lutjanus synagris	1	0.5
Trawl	CFBC	CFBC-03	31-Oct-07	Silver Perch	Bairdiella chrysoura	6	3.0
Trawl	CFBC	CFBC-03	31-Oct-07	Spanish Mackerel	Scomberomorus maculatus	1	0.5
Trawl	CFBC	CFBC-03	04-Dec-07	Bay Anchovy	Anchoa mitchilli	22	11.0
Trawl	CFBC	CFBC-03	04-Dec-07	Black Cheek Tonguefish	Symphurus plagiusa	1	0.5
Trawl	CFBC	CFBC-03	04-Dec-07	Fringed Flounder	Etropus crossotus	1	0.5
Trawl	CFBC	CFBC-03	04-Dec-07	Gafftopsail Catfish	Bagre marinus	1	0.5
Trawl	CFBC	CFBC-03	04-Dec-07	Gulf Menhaden	Brevoortia patronus	3	1.5
Trawl	CFBC	CFBC-03	04-Dec-07	Hardhead catfish	Ariopsis felis	12	6.0
Trawl	CFBC	CFBC-03	04-Dec-07	Lookdown	Selene vomer	1	0.5
Trawl	CFBC	CFBC-03	04-Dec-07	Sand Seatrout	Cynoscion arenarius	13	6.5
Trawl	CFBC	CFBC-03	04-Dec-07	Silver Perch	Bairdiella chrysoura	380	190.0
Trawl	CFBC	CFBC-03	04-Dec-07	Smooth Butterfly Ray	Gymnura micrura	2	1.0
Trawl	CFBC	CFBC-03	04-Dec-07	Southern Kingfish	Menticirrhus americanus	1	0.5
Trawl	CFBC	CFBC-03	04-Dec-07	Spotfin Mojarra	Eucinostomus argenteus	23	11.5
Trawl	CFBC	CFBC-03	14-May-08	Gulf Toadfish	Opsanus beta	1	0.5
Trawl	CFBC	CFBC-03	14-May-08	Silver Perch	Bairdiella chrysoura	6	3.0
Trawl	CFBC	CFBC-03	15-May-08	Sand Seatrout	Cynoscion arenarius	1	0.5
Trawl	CFBC	CFBC-03	15-May-08	Spot	Leiostomus xanthurus	1	0.5
Trawl	CFBC	CFBC-03	26-Aug-08	Atlantic bumper	Chloroscombrus chrysurus	4	2.0
Trawl	CFBC	CFBC-03	26-Aug-08	Bay anchovy	Anchoa mitchilli	2	1.0
Trawl	CFBC	CFBC-03	26-Aug-08	Silver perch	Bairdiella chrysoura	1	0.5
Cast Net	CFBC	CFBC-04	01-Nov-07	Atlantic Thread Herring	Opisthonema oglinum	2	1.3
Cast Net	CFBC	CFBC-04	01-Nov-07	Bay Anchovy	Anchoa mitchilli	1	0.6
Cast Net	CFBC	CFBC-04	01-Nov-07	Black Drum	Pogonias cromis	1	0.6
Cast Net	CFBC	CFBC-04	01-Nov-07	Inshore Lizardfish	Synodus foetens	1	0.6
Cast Net	CFBC	CFBC-04	01-Nov-07	Puffers	Sphoeroides sp.	1	0.6
Cast Net	CFBC	CFBC-04	01-Nov-07	Scaled Sardine	Harengula jaguana	17	10.6
Cast Net	CFBC	CFBC-04	01-Nov-07	Southern Stingray	Dasyatis americana	1	0.6
Cast Net	CFBC	CFBC-04	01-Nov-07	Spotfin Mojarra	Eucinostomus argenteus	1	0.6
Cast Net	CFBC	CFBC-04	01-Nov-07	Whitefin Sharksucker	Echeneis neucratoides	1	0.6
Cast Net	CFBC	CFBC-04	04-Dec-07	Pinfish	Lagodon rhomboides	8	5.0
Cast Net	CFBC	CFBC-04	04-Dec-07	Scaled Sardine	Harengula jaguana	4	2.5
Cast Net	CFBC	CFBC-04	04-Dec-07	Spotfin Mojarra	Eucinostomus argenteus	23	14.4
Cast Net	CFBC	CFBC-04	04-Dec-07	Striped Mullet	Mugil cephalus	24	15.0
Cast Net	CFBC	CFBC-04	04-Dec-07	White Mullet	Mugil curema	32	20.0
Cast Net	CFBC	CFBC-04	14-May-08	Atlantic needlefish	Strongylura marina	3	1.5
Cast Net	CFBC	CFBC-04	14-May-08	Pigfish	Orthopristis chrysoptera	1	0.5
Cast Net	CFBC	CFBC-04	14-May-08	Pinfish	Lagodon rhomboides	12	6.1
Cast Net	CFBC	CFBC-04	14-May-08	Spotfin mojarra	Eucinostomus argenteus	1	0.5
Cast Net	CFBC	CFBC-04	14-May-08	Striped Mullet	Mugil cephalus	7	3.6
Cast Net	CFBC	CFBC-04	14-May-08	White Mullet	Mugil curema	8	4.1
Cast Net	CFBC	CFBC-04	28-Aug-08	Gulf Menhaden	Brevoortia patronus	225	141.0
Cast Net	CFBC	CFBC-04	28-Aug-08	Leatherjacket	Oligoplites saurus	1	0.6
Cast Net	CFBC	CFBC-04	28-Aug-08	Pinfish	Lagodon rhomboides	1	0.6
Cast Net	CFBC	CFBC-04	28-Aug-08	Spotfin Mojarra	Eucinostomus argenteus	3	1.9
Cast Net	CFBC	CFBC-04	28-Aug-08	White mullet	Mugil curema	11	6.9
Cast Net	CFBC	CFBC-04	29-Aug-08	Atlantic bumper	Chloroscombrus chrysurus	4	2.5
Cast Net	CFBC	CFBC-04	29-Aug-08	Crested blenny	Hypoleurochilus geminatus	1	0.6
Cast Net	CFBC	CFBC-04	29-Aug-08	Ladyfish	Elops saurus	1	0.6

A-6 CFBC Fish Data

Equipment Type	Site	Station	Date	Common Name	Organism Name	Number Collected	Catch per Unit Effort
Cast Net	CFBC	CFBC-04	29-Aug-08	Pigfish	Orthopristis chrysoptera	1	0.6
Cast Net	CFBC	CFBC-04	29-Aug-08	Striped mullet	Mugil cephalus	4	2.5
Gill Net	CFBC	CFBC-04	01-Nov-07	Ladyfish	Elops saurus	1	5.1
Gill Net	CFBC	CFBC-04	01-Nov-07	Southern Stingray	Dasyatis americana	1	5.1
Gill Net	CFBC	CFBC-04	01-Nov-07	Spanish Mackerel	Scomberomorus maculatus	3	15.3
Gill Net	CFBC	CFBC-04	04-Dec-07	Longnose Gar	Lepisosteus osseus	2	30.0
Gill Net	CFBC	CFBC-04	17-Jun-08	Atlantic Stingray	Dasyatis sabina	1	4.0
Gill Net	CFBC	CFBC-04	17-Jun-08	Ladyfish	Elops saurus	1	4.0
Gill Net	CFBC	CFBC-04	17-Jun-08	Spot	Leiostomus xanthurus	1	4.0
Gill Net	CFBC	CFBC-04	28-Aug-08	Bonnethead shark	Sphyrna tiburo	2	8.0
Gill Net	CFBC	CFBC-04	28-Aug-08	Gulf Menhaden	Brevoortia patronus	1	4.0
Gill Net	CFBC	CFBC-04	28-Aug-08	Hardhead catfish	Ariopsis felis	1	4.0
Gill Net	CFBC	CFBC-04	28-Aug-08	Ladyfish	Elops saurus	1	4.0
Gill Net	CFBC	CFBC-04	28-Aug-08	Longnose gar	Lepisosteus osseus	1	4.0
Gill Net	CFBC	CFBC-04	28-Aug-08	Spanish mackerel	Scomberomorus maculatus	1	4.0
Minnow Trap	CFBC	CFBC-04	01-Nov-07	Pinfish	Lagodon rhomboides	1	0.4
Minnow Trap	CFBC	CFBC-04	07-Nov-07	Goby	Gobiidae	1	0.4
Minnow Trap	CFBC	CFBC-04	06-Dec-07	Gulf Toadfish	Opsanus beta	1	0.05
Minnow Trap	CFBC	CFBC-04	18-Jun-08	Code goby	Gobiosoma robustum	1	0.1
Minnow Trap	CFBC	CFBC-04	18-Jun-08	Goby	Gobiidae	5	0.5
Minnow Trap	CFBC	CFBC-04	18-Jun-08	Gulf toadfish	Opsanus beta	1	0.1
Minnow Trap	CFBC	CFBC-04	18-Jun-08	Pigfish	Orthopristis chrysoptera	5	0.5
Minnow Trap	CFBC	CFBC-04	18-Jun-08	Silver Perch	Bairdiella chrysoura	1	0.1
Minnow Trap	CFBC	CFBC-04	29-Aug-08	Bluegill	Lepomis macrochirus	1	0.1
Minnow Trap	CFBC	CFBC-04	29-Aug-08	Pinfish	Lagodon rhomboides	1	0.1
Minnow Trap	CFBC	CFBC-04	29-Aug-08	Silver perch	Bairdiella chrysoura	5	0.5
Trawl	CFBC	CFBC-04	31-Oct-07	Bay Anchovy	Anchoa mitchilli	1	1.0
Trawl	CFBC	CFBC-04	31-Oct-07	Fringed Flounder	Etropus crossotus	1	1.0
Trawl	CFBC	CFBC-04	31-Oct-07	Hardhead Catfish	Ariopsis felis	1	1.0
Trawl	CFBC	CFBC-04	31-Oct-07	Ladyfish	Elops saurus	2	2.0
Trawl	CFBC	CFBC-04	31-Oct-07	Pigfish	Orthopristis chrysoptera	1	1.0
Trawl	CFBC	CFBC-04	31-Oct-07	Sand Seatrout	Cynoscion arenarius	6	6.0
Trawl	CFBC	CFBC-04	31-Oct-07	Silver Perch	Bairdiella chrysoura	204	204.0
Trawl	CFBC	CFBC-04	31-Oct-07	Southern Kingfish	Menticirrhus americanus	2	2.0
Trawl	CFBC	CFBC-04	31-Oct-07	Spot	Leiostomus xanthurus	13	13.0
Trawl	CFBC	CFBC-04	04-Dec-07	Atlantic croaker	Micropogonias undulatus	1	0.5
Trawl	CFBC	CFBC-04	04-Dec-07	Barred searobin	Prionotus martis	1	0.5
Trawl	CFBC	CFBC-04	04-Dec-07	Fringed Flounder	Etropus crossotus	2	1.0
Trawl	CFBC	CFBC-04	04-Dec-07	Hardhead catfish	Ariopsis felis	31	15.5
Trawl	CFBC	CFBC-04	04-Dec-07	Pigfish	Orthopristis chrysoptera	3	1.5
Trawl	CFBC	CFBC-04	04-Dec-07	Pinfish	Lagodon rhomboides	3	1.5
Trawl	CFBC	CFBC-04	04-Dec-07	Polka-dot batfish	Ocgocephalus cubifrons	4	2.0
Trawl	CFBC	CFBC-04	04-Dec-07	Sand Seatrout	Cynoscion arenarius	4	2.0
Trawl	CFBC	CFBC-04	04-Dec-07	Silver Perch	Bairdiella chrysoura	29	14.5
Trawl	CFBC	CFBC-04	04-Dec-07	Southern Kingfish	Menticirrhus americanus	4	2.0
Trawl	CFBC	CFBC-04	04-Dec-07	Spotfin Mojarra	Eucinostomus argenteus	9	4.5
Trawl	CFBC	CFBC-04	10-Dec-07	Grunt	Haemulidae	1	0.5
Trawl	CFBC	CFBC-04	10-Dec-07	Southern flounder	Paralichthys lethostigma	2	1.0
Trawl	CFBC	CFBC-04	10-Dec-07	Spot	Leiostomus xanthurus	3	1.5
Trawl	CFBC	CFBC-04	14-May-08	Bay Anchovy	Anchoa mitchilli	6	2.0
Trawl	CFBC	CFBC-04	14-May-08	Bighead Searobin	Prionotus tribulus	1	0.3
Trawl	CFBC	CFBC-04	14-May-08	Ocellated Flounder	Ancylosetta quadrocellata	1	0.3
Trawl	CFBC	CFBC-04	14-May-08	Silver Perch	Bairdiella chrysoura	1	0.3
Trawl	CFBC	CFBC-04	26-Aug-08	Atlantic bumper	Chloroscombrus chrysurus	20	10.0
Trawl	CFBC	CFBC-04	26-Aug-08	Atlantic spadefish	Chaetodipterus faber	2	1.0
Trawl	CFBC	CFBC-04	26-Aug-08	Bay anchovy	Anchoa mitchilli	117	58.5
Trawl	CFBC	CFBC-04	26-Aug-08	Sand seatrout	Cynoscion arenarius	2	1.0
Trawl	CFBC	CFBC-04	26-Aug-08	Silver perch	Bairdiella chrysoura	6	3.0

Appendix B
Crystal River Energy Complex Analytical and
Biological Source Data

B-1
CREC Sediment Chemistry Data

B-1 Crystal River Energy Complex Sediment Data

Site	Station	Replicate	Date	Note	Parameter	Value	Qualifier	Units
CREC	CREC-03A	1	07/22/08 10:30		Total Organic Carbon	8800	=	mg/Kg
CREC	CREC-03A	1	07/22/08 10:30		GRAVEL	1.2	=	%
CREC	CREC-03A	1	07/22/08 10:30		COARSE SAND	2.8	=	%
CREC	CREC-03A	1	07/22/08 10:30		MEDIUM SAND	4.7	=	%
CREC	CREC-03A	1	07/22/08 10:30		FINE SAND	71.3	=	%
CREC	CREC-03A	1	07/22/08 10:30		SILT	11.7	=	%
CREC	CREC-03A	1	07/22/08 10:30		CLAY	8.4	=	%
CREC	CREC-03A	1	07/22/08 10:30	Field Dup	Total Organic Carbon	6000	=	mg/Kg
CREC	CREC-03A	1	11/14/08 09:45		Total Organic Carbon	1900	=	mg/Kg
CREC	CREC-03A	1	11/14/08 09:45		GRAVEL	0	=	%
CREC	CREC-03A	1	11/14/08 09:45		COARSE SAND	0.1	=	%
CREC	CREC-03A	1	11/14/08 09:45		MEDIUM SAND	2.7	=	%
CREC	CREC-03A	1	11/14/08 09:45		FINE SAND	94.1	=	%
CREC	CREC-03A	1	11/14/08 09:45		SILT	0.7	=	%
CREC	CREC-03A	1	11/14/08 09:45		CLAY	2.4	=	%
CREC	CREC-03B	2	07/22/08 12:20		Total Organic Carbon	7900	=	mg/Kg
CREC	CREC-03B	2	07/22/08 12:20		GRAVEL	31.9	=	%
CREC	CREC-03B	2	07/22/08 12:20		COARSE SAND	8.3	=	%
CREC	CREC-03B	2	07/22/08 12:20		MEDIUM SAND	6.7	=	%
CREC	CREC-03B	2	07/22/08 12:20		FINE SAND	44.8	=	%
CREC	CREC-03B	2	07/22/08 12:20		SILT	6.1	=	%
CREC	CREC-03B	2	07/22/08 12:20		CLAY	2.3	=	%
CREC	CREC-03B	2	11/14/08 10:05		Total Organic Carbon	3500	=	mg/Kg
CREC	CREC-03B	2	11/14/08 10:05		GRAVEL	0	=	%
CREC	CREC-03B	2	11/14/08 10:05		COARSE SAND	1.2	=	%
CREC	CREC-03B	2	11/14/08 10:05		MEDIUM SAND	3.2	=	%
CREC	CREC-03B	2	11/14/08 10:05		FINE SAND	89.9	=	%
CREC	CREC-03B	2	11/14/08 10:05		SILT	2.3	=	%
CREC	CREC-03B	2	11/14/08 10:05		CLAY	3.4	=	%
CREC	CREC-03C	3	07/22/08 11:45		Total Organic Carbon	12000	=	mg/Kg
CREC	CREC-03C	3	07/22/08 11:45		GRAVEL	0.6	=	%
CREC	CREC-03C	3	07/22/08 11:45		COARSE SAND	0.8	=	%
CREC	CREC-03C	3	07/22/08 11:45		MEDIUM SAND	4.3	=	%
CREC	CREC-03C	3	07/22/08 11:45		FINE SAND	78.3	=	%
CREC	CREC-03C	3	07/22/08 11:45		SILT	11	=	%
CREC	CREC-03C	3	07/22/08 11:45		CLAY	5.1	=	%
CREC	CREC-03C	3	11/14/08 10:25		Total Organic Carbon	6400	=	mg/Kg
CREC	CREC-03C	3	11/14/08 10:25		GRAVEL	0	=	%
CREC	CREC-03C	3	11/14/08 10:25		COARSE SAND	0.2	=	%
CREC	CREC-03C	3	11/14/08 10:25		MEDIUM SAND	2.4	=	%
CREC	CREC-03C	3	11/14/08 10:25		FINE SAND	86.8	=	%
CREC	CREC-03C	3	11/14/08 10:25		SILT	4.5	=	%
CREC	CREC-03C	3	11/14/08 10:25		CLAY	6.1	=	%

B-1 Crystal River Energy Complex Sediment Data

Site	Station	Replicate	Date	Note	Parameter	Value	Qualifier	Units
CREC	CREC-04A	1	07/22/08 12:45		Total Organic Carbon	2700 =		mg/Kg
CREC	CREC-04A	1	07/22/08 12:45		GRAVEL	0 =		%
CREC	CREC-04A	1	07/22/08 12:45		COARSE SAND	0.5 =		%
CREC	CREC-04A	1	07/22/08 12:45		MEDIUM SAND	2 =		%
CREC	CREC-04A	1	07/22/08 12:45		FINE SAND	55.4 =		%
CREC	CREC-04A	1	07/22/08 12:45		SILT	32 =		%
CREC	CREC-04A	1	07/22/08 12:45		CLAY	10.1 =		%
CREC	CREC-04A	1	11/13/08 13:50		Total Organic Carbon	9400 =		mg/Kg
CREC	CREC-04A	1	11/13/08 13:50		GRAVEL	0 =		%
CREC	CREC-04A	1	11/13/08 13:50		COARSE SAND	0.9 =		%
CREC	CREC-04A	1	11/13/08 13:50		MEDIUM SAND	3.9 =		%
CREC	CREC-04A	1	11/13/08 13:50		FINE SAND	73 =		%
CREC	CREC-04A	1	11/13/08 13:50		SILT	12.5 =		%
CREC	CREC-04A	1	11/13/08 13:50		CLAY	9.7 =		%
CREC	CREC-04A	1	11/13/08 13:50	Field Dup	Total Organic Carbon	9100 =		mg/Kg
CREC	CREC-04A	1	11/13/08 13:50	Field Dup	GRAVEL	1.4 =		%
CREC	CREC-04A	1	11/13/08 13:50	Field Dup	COARSE SAND	0.9 =		%
CREC	CREC-04A	1	11/13/08 13:50	Field Dup	MEDIUM SAND	3.8 =		%
CREC	CREC-04A	1	11/13/08 13:50	Field Dup	FINE SAND	71.7 =		%
CREC	CREC-04A	1	11/13/08 13:50	Field Dup	SILT	14 =		%
CREC	CREC-04A	1	11/13/08 13:50	Field Dup	CLAY	8.1 =		%
CREC	CREC-04B	2	07/22/08 12:55		Total Organic Carbon	11000 =		mg/Kg
CREC	CREC-04B	2	07/22/08 12:55		GRAVEL	0 =		%
CREC	CREC-04B	2	07/22/08 12:55		COARSE SAND	0.5 =		%
CREC	CREC-04B	2	07/22/08 12:55		MEDIUM SAND	3 =		%
CREC	CREC-04B	2	07/22/08 12:55		FINE SAND	67.1 =		%
CREC	CREC-04B	2	07/22/08 12:55		SILT	19 =		%
CREC	CREC-04B	2	07/22/08 12:55		CLAY	10.5 =		%
CREC	CREC-04B	2	11/13/08 14:45		Total Organic Carbon	10000 =		mg/Kg
CREC	CREC-04B	2	11/13/08 14:45		GRAVEL	0 =		%
CREC	CREC-04B	2	11/13/08 14:45		COARSE SAND	1.5 =		%
CREC	CREC-04B	2	11/13/08 14:45		MEDIUM SAND	7.7 =		%
CREC	CREC-04B	2	11/13/08 14:45		FINE SAND	66.7 =		%
CREC	CREC-04B	2	11/13/08 14:45		SILT	15.4 =		%
CREC	CREC-04B	2	11/13/08 14:45		CLAY	8.6 =		%
CREC	CREC-04C	3	07/22/08 13:05		Total Organic Carbon	15000 =		mg/Kg
CREC	CREC-04C	3	07/22/08 13:05		GRAVEL	1.8 =		%
CREC	CREC-04C	3	07/22/08 13:05		COARSE SAND	2.7 =		%
CREC	CREC-04C	3	07/22/08 13:05		MEDIUM SAND	5.9 =		%
CREC	CREC-04C	3	07/22/08 13:05		FINE SAND	59.5 =		%
CREC	CREC-04C	3	07/22/08 13:05		SILT	23 =		%
CREC	CREC-04C	3	07/22/08 13:05		CLAY	7.1 =		%
CREC	CREC-04C	3	11/13/08 15:10		Total Organic Carbon	12000 =		mg/Kg
CREC	CREC-04C	3	11/13/08 15:10		GRAVEL	4.6 =		%
CREC	CREC-04C	3	11/13/08 15:10		COARSE SAND	5.9 =		%
CREC	CREC-04C	3	11/13/08 15:10		MEDIUM SAND	12.1 =		%
CREC	CREC-04C	3	11/13/08 15:10		FINE SAND	54.1 =		%
CREC	CREC-04C	3	11/13/08 15:10		SILT	14.9 =		%
CREC	CREC-04C	3	11/13/08 15:10		CLAY	8.5 =		%

B-2

CREC Surface Water Field Parameter Data

B-2 Field Sampling Data at Crystal River Energy Complex – CREC-1

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temp (°C)	DO (mg/L)	DO Percent Saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi depth (m)	Total Depth (m)
1	CREC	9/2/2008	11:55	0.15	37.45	5.14	90.0	46.79	29.96	7.97		a
1	CREC	11/17/2008	10:15	0.50	28.05	7.41	110.7	42.11	26.97	7.71		a

Notes:

m = meters

mg/L = milligrams/liter

mS/cm = milli Siemens/centimeter

ppt = parts per thousand

Temp = temperature

Cond = conductivity

°C = degrees Celsius

Blank = no data

CREC = Crystal River Energy Complex

a = Shoreline sample

B-2 Field Sampling Data at Crystal River Energy Complex – CREC-2

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temp (°C)	DO (mg/L)	DO Percent Saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi depth (m)	Total Depth (m)
2	CREC	9/2/2008	12:08	0.15	34.16	4.81	80.0	46.46	29.87	8.06		a
2	CREC	11/17/2008	11:35	0.50	28.43	7.37	109.5	42.04	26.89	7.83		a

Notes:

m = meters

mg/L = milligrams/liter

mS/cm = milli Siemens/centimeter

ppt = parts per thousand

Temp = temperature

Cond = conductivity

°C = degrees Celsius

ND = no data

CREC = Crystal River Energy Complex

a = Shoreline sample

B-2 Field Sampling Data at Crystal River Energy Complex – CREC-3

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (DEG C)	Dissolved oxygen (mg/L)	DO percent saturation (percent)	Conductivity (mS/cm)	Salinity (ppt)	PH (units)	Secchi Depth (m)	Total Depth (m)
3	CREC	4/22/2008	11:45	0.15	31.56	2.69	44.0	47.70	30.86	7.90		4.5
3	CREC	4/22/2008	11:45	1.00	31.55	2.23	35.7	47.73	30.80	7.91		
3	CREC	4/22/2008	11:45	2.00	31.57	2.08	33.6	47.73	30.90	7.92		
3	CREC	4/22/2008	11:45	3.00	31.57	1.97	31.7	47.78	30.92	7.92		
3	CREC	4/22/2008	11:45	4.00	31.56	1.91	30.8	47.78	30.94	7.92		
3	CREC	4/22/2008	23:54	0.15	31.93	1.31	21.3	47.98	31.06	7.99		3.4
3	CREC	4/22/2008	23:54	1.00	31.99	1.23	20.1	47.97	31.05	7.99		
3	CREC	4/22/2008	23:54	2.00	31.98	1.18	19.1	47.95	31.04	7.99		
3	CREC	4/22/2008	23:54	3.00	31.97	1.10	18.0	47.95	31.03	7.98		
3	CREC	6/19/2008	11:30	0.15	33.65	5.45	92.2	52.57	34.37	7.89		4.4
3	CREC	6/19/2008	11:31	1.00	33.61	5.47	92.6	52.79	34.52	7.90		
3	CREC	6/19/2008	11:32	2.00	33.59	5.48	92.8	52.87	34.59	7.91		
3	CREC	6/19/2008	11:32	3.00	33.54	5.51	93.2	52.98	34.66	7.92		
3	CREC	6/19/2008	11:33	4.00	33.51	5.52	93.7	53.08	34.73	7.93		
3	CREC	6/19/2008	23:52	0.15	34.39	4.45	76.8	54.31	35.62	8.10		3.5
3	CREC	6/19/2008	23:53	1.00	34.38	4.46	76.9	54.36	35.64	8.01		
3	CREC	6/19/2008	23:53	2.00	34.38	4.47	76.9	54.39	35.67	8.02		
3	CREC	6/19/2008	23:54	3.00	34.37	4.45	76.7	54.40	35.67	8.01		

**B-2 Field Sampling Data at Crystal River Energy Complex – CREC-3
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (DEG C)	Dissolved oxygen (mg/L)	DO percent saturation (percent)	Conductivity (mS/cm)	Salinity (ppt)	PH (units)	Secchi Depth (m)	Total Depth (m)
3	CREC	9/2/2008	13:00	0.15	34.79	5.84	98.8	47.58	30.66	7.87	0.85	4.1
3	CREC	9/2/2008	13:00	1.00	34.81	5.90	99.4	47.56	30.64	7.86		
3	CREC	9/2/2008	13:00	2.00	34.80	5.86	98.8	47.59	30.67	7.86		
3	CREC	9/2/2008	13:00	3.00	34.76	5.63	94.8	47.59	30.67	7.85		
3	CREC	9/2/2008	13:00	4.00	34.79	5.48	92.7	47.60	30.67	7.85		
3	CREC	9/3/2008	11:16	0.15	34.12	6.26	104.2	46.42	29.91	7.86		3.7
3	CREC	9/3/2008	11:16	1.00	34.13	6.13	102.1	47.03	30.30	7.87		
3	CREC	9/3/2008	11:16	2.00	34.12	6.02	102.0	47.32	30.51	7.87		
3	CREC	9/3/2008	11:16	3.00	34.13	5.87	98.2	47.77	30.82	7.87		
3	CREC	9/3/2008	23:10	0.15	34.07	6.80	114.0	48.58	31.43	7.96		3.4
3	CREC	9/3/2008	23:10	1.00	34.07	6.67	111.9	48.74	31.54	7.95		
3	CREC	9/3/2008	23:10	2.00	34.09	6.60	110.8	48.85	31.62	7.95		
3	CREC	9/3/2008	23:10	3.00	34.08	6.49	108.8	48.91	31.66	7.94		
3	CREC	11/13/2008	9:40	0.15	25.95	7.17	103.9	44.29	28.57	7.45		3.0
3	CREC	11/13/2008	9:40	1.00	25.92	7.23	104.4	44.42	28.66	7.47		
3	CREC	11/13/2008	9:40	2.00	25.91	7.37	106.2	44.46	28.69	7.49		
3	CREC	11/13/2008	9:40	3.00	25.91	7.22	104.4	44.52	28.74	7.51		

**B-2 Field Sampling Data at Crystal River Energy Complex – CREC-3
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (DEG C)	Dissolved oxygen (mg/L)	DO percent saturation (percent)	Conductivity (mS/cm)	Salinity (ppt)	PH (units)	Secchi Depth (m)	Total Depth (m)
3	CREC	11/13/2008	21:10	0.15	26.63	6.46	94.5	44.02	28.35	7.84		4.9
3	CREC	11/13/2008	21:10	1.00	26.42	6.40	93.0	44.10	28.42	7.82		
3	CREC	11/13/2008	21:10	2.00	25.84	6.50	93.7	44.45	28.69	7.80		
3	CREC	11/13/2008	21:10	3.00	24.72	6.59	93.5	44.68	28.88	7.77		
3	CREC	11/13/2008	21:10	4.00	24.47	6.70	94.5	44.71	28.90	7.76		

Notes:

m = meters

mg/L = milligrams/liter

mS/cm = milli Siemens/centimeter

ppt = parts per thousand

Temp = temperature

Cond = conductivity

°C = degrees Celsius

Blank = no data

CREC = Crystal River Energy Complex

B-2 Field Sampling Data at Crystal River Energy Complex – CREC-4

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (DEG C)	Dissolved oxygen (mg/L)	DO percent saturation (percent)	Conductivity (mS/cm)	Salinity (ppt)	PH (units)	Secchi Depth (m)	Total Depth (m)
4	CREC	4/22/2008	13:10	0.15	23.98	2.44	34.1	41.19	26.38	7.60		2.9
4	CREC	4/22/2008	13:10	1.00	23.91	2.29	31.6	41.24	26.42	7.69		
4	CREC	4/22/2008	13:10	2.00	24.08	2.11	29.6	43.22	27.81	7.76		
4	CREC	4/22/2008	22:40	0.15	24.68	2.29	32.3	39.09	24.89	8.01		1.9
4	CREC	4/22/2008	22:40	1.00	24.64	2.07	28.8	39.02	24.86	8.01		
4	CREC	6/19/2008	12:28	0.15	29.84	5.68	89.9	50.91	33.27	7.95		2.6
4	CREC	6/19/2008	12:28	1.00	29.85	5.60	89.0	51.16	33.47	7.95		
4	CREC	6/19/2008	12:29	2.00	29.90	5.54	88.0	51.35	33.58	7.96		
4	CREC	6/19/2008	22:58	0.15	29.77	5.71	88.4	46.22	29.85	7.93		1.6
4	CREC	6/19/2008	22:58	1.00	29.78	5.77	89.5	46.22	29.84	7.93		
4	CREC	9/2/2008	11:00	0.15	29.22	6.08	90.3	40.48	25.76	7.80	0.76	2.1
4	CREC	9/2/2008	11:00	1.00	29.21	5.95	89.7	40.62	25.89	7.80		
4	CREC	9/2/2008	11:00	2.00	28.52	5.43	82.1	45.78	29.58	7.81		
4	CREC	9/3/2008	12:42	0.15	30.41	5.78	90.2	45.49	29.31	7.77		1.5
4	CREC	9/3/2008	12:42	1.00	30.40	5.68	88.9	45.50	29.31	7.79		
4	CREC	9/4/2008	2:23	0.15	30.54	6.57	103.1	45.72	29.47	8.01		1.5
4	CREC	9/4/2008	2:23	1.00	30.52	6.50	101.9	45.76	29.50	8.01		
4	CREC	9/4/2008	2:23	1.70	30.58	6.36	100.1	45.78	29.51	8.01		

**B-2 Field Sampling Data at Crystal River Energy Complex – CREC-4
(continued)**

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temperature (DEG C)	Dissolved oxygen (mg/L)	DO percent saturation (percent)	Conductivity (mS/cm)	Salinity (ppt)	PH (units)	Secchi Depth (m)	Total Depth (m)
4	CREC	11/13/2008	11:25	0.15	17.93	8.07	100.4	43.21	27.88	7.72		2.4
4	CREC	11/13/2008	11:25	1.00	17.86	8.00	99.8	43.22	27.89	7.72		
4	CREC	11/13/2008	11:25	2.00	17.85	7.99	99.3	43.24	27.90	7.74		
4	CREC	11/13/2008	22:03	0.15	19.07	7.83	99.0	41.34	26.55	7.96		3.0
4	CREC	11/13/2008	22:03	1.00	18.18	7.79	96.4	42.99	27.75	7.91		
4	CREC	11/13/2008	22:03	2.00	18.02	7.21	90.3	43.77	28.29	7.88		

Notes:

m = meters

mg/L = milligrams/liter

mS/cm = milli Siemens/centimeter

ppt = parts per thousand

Temp = temperature

Cond = conductivity

°C = degrees Celsius

Blank = no data

CREC = Crystal River Energy Complex

B-3

CREC Surface Water Chemistry Data

B-3 Crystal River Energy Complex Analytical Data

Site	Station	Date	Depth	Note	Parameter	Quality	
						Value	Units
CREC	CREC-01	9/2/08	Middle		Ammonia	0.073 U	mg/L
CREC	CREC-01	9/2/08	Middle	Field Dup	Ammonia	0.063 U	mg/L
CREC	CREC-01	11/17/08	Middle		Ammonia	0.15 U	mg/L
CREC	CREC-01	11/17/08	Middle	Field Dup	Ammonia	0.15 U	mg/L
CREC	CREC-01	9/2/08	Middle		Nitrate Nitrite as N	0.013 J	mg/L
CREC	CREC-01	9/2/08	Middle	Field Dup	Nitrate Nitrite as N	0.012 J	mg/L
CREC	CREC-01	11/17/08	Middle		Nitrate Nitrite as N	0.04 J	mg/L
CREC	CREC-01	11/17/08	Middle	Field Dup	Nitrate Nitrite as N	0.011 J	mg/L
CREC	CREC-01	9/2/08	Middle		Nitrogen, Kjeldahl	1.7 =	mg/L
CREC	CREC-01	9/2/08	Middle	Field Dup	Nitrogen, Kjeldahl	1.4 =	mg/L
CREC	CREC-01	11/17/08	Middle		Nitrogen, Kjeldahl	0.14 J	mg/L
CREC	CREC-01	11/17/08	Middle	Field Dup	Nitrogen, Kjeldahl	0.16 J	mg/L
CREC	CREC-01	9/2/08	Middle		Total Nitrogen (calculation)	1.713	mg/L
CREC	CREC-01	9/2/08	Middle	Field Dup	Total Nitrogen (calculation)	1.412	mg/L
CREC	CREC-01	11/17/08	Middle		Total Nitrogen (calculation)	0.18	mg/L
CREC	CREC-01	11/17/08	Middle	Field Dup	Total Nitrogen (calculation)	0.171	mg/L
CREC	CREC-01	9/2/08	Middle		Orthophosphate	0.03 J	mg/L
CREC	CREC-01	9/2/08	Middle	Field Dup	Orthophosphate	0.029 J	mg/L
CREC	CREC-01	11/17/08	Middle		Orthophosphate	1 U	mg/L
CREC	CREC-01	11/17/08	Middle	Field Dup	Orthophosphate	1 U	mg/L
CREC	CREC-01	9/2/08	Middle		Phosphorus	0.037 =	mg/L
CREC	CREC-01	9/2/08	Middle	Field Dup	Phosphorus	0.031 =	mg/L
CREC	CREC-01	11/17/08	Middle		Phosphorus	0.017 =	mg/L
CREC	CREC-01	11/17/08	Middle	Field Dup	Phosphorus	0.024 =	mg/L
CREC	CREC-01	9/2/08	Middle		Chlorophyll-a, corrected for Pheophytin	3.6 J	mg/m3
CREC	CREC-01	9/2/08	Middle	Field Dup	Chlorophyll-a, corrected for Pheophytin	1.2 J	mg/m3
CREC	CREC-01	11/17/08	Middle		Chlorophyll-a, corrected for Pheophytin	4.9 =	mg/m3
CREC	CREC-01	11/17/08	Middle	Field Dup	Chlorophyll-a, corrected for Pheophytin	4.9 =	mg/m3
CREC	CREC-01	09/02/08	Middle		Total Dissolved Solids	28000 =	mg/L
CREC	CREC-01	09/02/08	Middle	Field Dup	Total Dissolved Solids	22000 =	mg/L
CREC	CREC-01	11/17/08	Middle		Total Dissolved Solids	26000 =	mg/L
CREC	CREC-01	11/17/08	Middle	Field Dup	Total Dissolved Solids	28000 =	mg/L
CREC	CREC-01	09/02/08	Middle		Total Suspended Solids	40 =	mg/L
CREC	CREC-01	09/02/08	Middle	Field Dup	Total Suspended Solids	39 =	mg/L
CREC	CREC-01	11/17/08	Middle		Total Suspended Solids	28 =	mg/L
CREC	CREC-01	11/17/08	Middle	Field Dup	Total Suspended Solids	29 =	mg/L

B-3 Crystal River Energy Complex Analytical Data

Site	Station	Date	Depth	Note	Parameter	Quali	
						Value	fier Units
CREC	CREC-02	9/2/08	Middle		Ammonia	0.069 U	mg/L
CREC	CREC-02	11/17/08	Middle		Ammonia	0.15 U	mg/L
CREC	CREC-02	9/2/08	Middle		Nitrate Nitrite as N	0.014 J	mg/L
CREC	CREC-02	11/17/08	Middle		Nitrate Nitrite as N	0.015 J	mg/L
CREC	CREC-02	9/2/08	Middle		Nitrogen, Kjeldahl	1.4 =	mg/L
CREC	CREC-02	11/17/08	Middle		Nitrogen, Kjeldahl	0.16 J	mg/L
CREC	CREC-02	9/2/08	Middle		Total Nitrogen (calculation)	1.414	mg/L
CREC	CREC-02	11/17/08	Middle		Total Nitrogen (calculation)	0.175	mg/L
CREC	CREC-02	9/2/08	Middle		Orthophosphate	0.03 J	mg/L
CREC	CREC-02	11/17/08	Middle		Orthophosphate	1 U	mg/L
CREC	CREC-02	9/2/08	Middle		Phosphorus	0.03 =	mg/L
CREC	CREC-02	11/17/08	Middle		Phosphorus	0.1 J	mg/L
CREC	CREC-02	9/2/08	Middle		Chlorophyll-a, corrected for Pheophytin	2.4 J	mg/m3
CREC	CREC-02	11/17/08	Middle		Chlorophyll-a, corrected for Pheophytin	3.6 =	mg/m3
CREC	CREC-02	09/02/08	Middle		Total Dissolved Solids	24000 =	mg/L
CREC	CREC-02	11/17/08	Middle		Total Dissolved Solids	27000 =	mg/L
CREC	CREC-02	09/02/08	Middle		Total Suspended Solids	38 =	mg/L
CREC	CREC-02	11/17/08	Middle		Total Suspended Solids	26 =	mg/L

B-3 Crystal River Energy Complex Analytical Data

Site	Station	Date	Depth	Note	Parameter	Quality		
						Value	Qualifier	Units
CREC	CREC-03	9/2/08	Middle		Ammonia	0.071	U	mg/L
CREC	CREC-03	11/17/08	Middle		Ammonia	0.15	U	mg/L
CREC	CREC-03	9/2/08	Middle		Nitrate Nitrite as N	0.017	J	mg/L
CREC	CREC-03	11/17/08	Middle		Nitrate Nitrite as N	0.015	J	mg/L
CREC	CREC-03	9/2/08	Middle		Nitrogen, Kjeldahl	1.4	=	mg/L
CREC	CREC-03	11/17/08	Middle		Nitrogen, Kjeldahl	0.31	=	mg/L
CREC	CREC-03	9/2/08	Middle		Total Nitrogen (calculation)	1.417		mg/L
CREC	CREC-03	11/17/08	Middle		Total Nitrogen (calculation)	0.325		mg/L
CREC	CREC-03	9/2/08	Middle		Orthophosphate	0.025	J	mg/L
CREC	CREC-03	11/17/08	Middle		Orthophosphate	0.015	J	mg/L
CREC	CREC-03	9/2/08	Middle		Phosphorus	0.029	=	mg/L
CREC	CREC-03	11/17/08	Middle		Phosphorus	0.033	=	mg/L
CREC	CREC-03	9/2/08	Middle		Chlorophyll-a, corrected for Pheophytin	2.4	J	mg/m3
CREC	CREC-03	11/17/08	Middle		Chlorophyll-a, corrected for Pheophytin	4.8	=	mg/m3
CREC	CREC-03	09/02/08	Middle		Total Dissolved Solids	23000	=	mg/L
CREC	CREC-03	11/17/08	Middle		Total Dissolved Solids	27000	=	mg/L
CREC	CREC-03	09/02/08	Middle		Total Suspended Solids	40	=	mg/L
CREC	CREC-03	11/17/08	Middle		Total Suspended Solids	24	=	mg/L

B-3 Crystal River Energy Complex Analytical Data

Site	Station	Date	Depth	Note	Parameter	Quality	
						Value	Units
CREC	CREC-04	9/2/08	Middle		Ammonia	0.058 U	mg/L
CREC	CREC-04	11/17/08	Middle		Ammonia	0.15 U	mg/L
CREC	CREC-04	9/2/08	Middle		Nitrate Nitrite as N	0.038 J	mg/L
CREC	CREC-04	11/17/08	Middle		Nitrate Nitrite as N	0.034 J	mg/L
CREC	CREC-04	9/2/08	Middle		Nitrogen, Kjeldahl	1.2 =	mg/L
CREC	CREC-04	11/17/08	Middle		Nitrogen, Kjeldahl	0.22 =	mg/L
CREC	CREC-04	9/2/08	Middle		Total Nitrogen (calculation)	1.238	mg/L
CREC	CREC-04	11/17/08	Middle		Total Nitrogen (calculation)	0.254	mg/L
CREC	CREC-04	9/2/08	Middle		Orthophosphate	0.024 J	mg/L
CREC	CREC-04	11/17/08	Middle		Orthophosphate	0.017 J	mg/L
CREC	CREC-04	9/2/08	Middle		Phosphorus	0.039 =	mg/L
CREC	CREC-04	11/17/08	Middle		Phosphorus	0.016 =	mg/L
CREC	CREC-04	9/2/08	Middle		Chlorophyll-a, corrected for Pheophytin	8.5 =	mg/m3
CREC	CREC-04	11/17/08	Middle		Chlorophyll-a, corrected for Pheophytin	1.2 =	mg/m3
CREC	CREC-04	09/02/08	Middle		Total Dissolved Solids	20000 =	mg/L
CREC	CREC-04	11/17/08	Middle		Total Dissolved Solids	23000 =	mg/L
CREC	CREC-04	09/02/08	Middle		Total Suspended Solids	40 =	mg/L
CREC	CREC-04	11/17/08	Middle		Total Suspended Solids	14 =	mg/L

B-4

CREC Infaunal and Motile Invertebrate Data

B-4 CREC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CREC	CREC-03	22-Jul-08	Gastropoda	ACTEOCINA CANALICULATA	57.41	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Cnidaria	ACTINIARIA (LPIL)	200.93	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Amphipoda	AMPHIPODA (LPIL)	86.11	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	ARICIDEA PHILBINA	631.48	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	ARICIDEA SP.	57.41	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	ARICIDEA TAYLORI	1205.56	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Amphipoda	BEMLOS UNICORNIS	14.35	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Chaetognatha	CHAETOGNATHA (LPIL)	14.35	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	CIRROPHORUS FURCATUS	14.35	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Decapoda	DECAPODA (LPIL)	28.70	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	DIOPATRA CUPREA	28.70	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Gastropoda	EPITONIUM SP.	28.70	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	EXOGONE SP.	43.06	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	FABRICIINAE (LPIL)	28.70	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	FABRICINUDA TRILOBATA	889.82	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Gastropoda	GASTROPODA (LPIL)	43.06	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Amphipoda	HEMIAEGINA MINUTA	14.35	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Cnidaria	HYDROZOA (LPIL)	57.41	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	LAONEREIS CULVERI	14.35	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Tanaidacea	LEPTOCHELIIDAE (LPIL)	28.70	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Oligochaeta	LIMNODRILOIDES SP.	14.35	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	LUMBRINERIS VERRILLI	172.22	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	MARPHYSA SP. B VITTOR	14.35	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	MEDIOMASTUS AMBISSETA	28.70	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	MEDIOMASTUS CALIFORNIENSIS	3659.73	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	MEDIOMASTUS SP.	6113.90	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	MONTICELLINA DORSOBRANCHIALIS	358.80	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Gastropoda	NASSARIUS VIBEX	43.06	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Nemertea	NEMERTEA (LPIL)	43.06	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Nemertea	NEMERTEA SP. A (STROM)	28.70	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Bivalvia	NUCULANA ACUTA	14.35	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Sipuncula	PHASCOLION SP.	57.41	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	PILARGIS BERKLEYAE	28.70	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Porifera	PORIFERA (LPIL)	43.06	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	PRIONOSPION HETEROBRANCHIA	43.06	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	SCOLELEPIS TEXANA	28.70	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	SCOLOPLOS RUBRA	28.70	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Sipuncula	SIPUNCULA (LPIL)	14.35	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	SPIONIDAE (LPIL)	28.70	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	SYLLIS ALTERNATA	14.35	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Polychaeta	SYLLIS SP.	28.70	
Ponar Dredge	CREC	CREC-03	22-Jul-08	Oligochaeta	TUBIFICOID NAIDIDAE (LPIL)	100.46	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Gastropoda	ACTEOCINA CANALICULATA	114.82	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Mysida	AMERICAMYSIS SP.	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Amphipoda	AMPHIPODA (LPIL)	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Amphipoda	AORIDAE (LPIL)	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	ARICIDEA FAUVELI	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	ARICIDEA PHILBINA	2109.73	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	ARICIDEA TAYLORI	28.70	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	ARMANDIA MACULATA	157.87	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	AXIOHELLA SP.	86.11	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Amphipoda	CYMATODA COMPTA	100.46	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	DIPLOYDORA SOCIALIS	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	FABRICINUDA TRILOBATA	129.17	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	GALATHOWENIA OCULATA	86.11	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Gastropoda	GASTROPODA (LPIL)	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	GLYCERA AMERICANA	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	GLYCIDIA SOLITARIA	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Amphipoda	GRANDIDIERELLA BONNIERIDES	200.93	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Tanaidacea	HARGERIA RAPAX	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Tanaidacea	HARGERIA/LEPTOCHELIA COMPLEX	157.87	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Amphipoda	HORNIELLA TEQUESTA	28.70	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	LAONEREIS CULVERI	2927.78	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Bivalvia	LAEVICARDIUM SP.	43.06	

B-4 CREC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	LEITOSCOLOPLOS FOLIUSUS	43.06	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	LEITOSCOLOPLOS SP.	57.41	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Bivalvia	LUCINIDAE (LPIL)	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	LUMBRINERIS VERRILLI	143.52	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Amphipoda	LYSIANASSIDAE (LPIL)	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	MAGELONA PETTIBONEAE	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	MEDIOMASTUS AMBISETA	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	MEDIOMASTUS CALIFORNIENSIS	846.76	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	MEDIOMASTUS SP.	229.63	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Oligochaeta	NAIDIDAE (LPIL)	272.69	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Nemertea	NEMERTEA (LPIL)	28.70	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Echinodermata	OPHIUROIDEA (LPIL)	43.06	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	PRIONOSPIO CRISTATA	86.11	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	PRIONOSPIO HETEROBRANCHIA	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Decapoda	PROCESSA SP.	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	PSEUDOPOTAMILLA SP.	1162.50	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	SABELLINAE (LPIL)	258.33	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	SCOLOPLOS SP.	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	SPIO PETTIBONEAE	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Polychaeta	SYLLIS SP.	28.70	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Bivalvia	TAGELUS SP.	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Bivalvia	TRANSENNELLA CONRADINA	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Oligochaeta	TUBIFICOID NAIDIDAE (LPIL)	14.35	
Ponar Dredge	CREC	CREC-03	31-Oct-08	Isopoda	XENANTHURA BREVITELSON	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Mysida	AMERICAMYSIS SP.	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Amphipoda	AMPELISCA SP.	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Amphipoda	AMPHIPODA (LPIL)	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Echinodermata	AMPHIURIDAE (LPIL)	57.41	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	APHELOCHAETA SP.	200.93	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Amphipoda	APOLOCHUS SP. A LECROY	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	ARICIDEA PHILBINAE	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	ARICIDEA TAYLORI	129.17	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	AXIOTHELLA MUCOSA	43.06	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Bivalvia	BIVALVIA (LPIL)	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Bivalvia	BRACHIDONTES EXUSTUS	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	BRANCHIOSYLLIS EXILIS	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Decapoda	CARIDEA (LPIL)	86.11	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	CERATONEREIS IRRITABILIS	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Gastropoda	CERITHIIDAE (LPIL)	57.41	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	CF. PSEUDOPOTAMILLA SP.	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Bivalvia	CF. SEMELIDAE (LPIL)	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	CIRRATULIDAE (LPIL)	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Bivalvia	CORBULIDAE (LPIL)	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Decapoda	DECAPODA (LPIL)	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Hemiptera	DEFLEXILODES? SP. A LECROY	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	DIPOLYDORA SOCIALIS	243.98	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Amphipoda	DULICHIELLA SP.	43.06	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Bivalvia	ENNUCULA AEGEENSIS	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Isopoda	EXOSPHAEROMA DIMINUTA	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	FABRICINUDA TRILOBATA	71.76	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	GALATHOWENIA OCULATA	100.46	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	GLYCERA SP.	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	GLYCERA SP. B VITTOR	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	GLYCIDIN SOLITARIA	86.11	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Cnidaria	HYDROZOA (LPIL)	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	LEITOSCOLOPLOS FRAGILIS	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	LEITOSCOLOPLOS SP.	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	LEPIDONOTUS VARIABILIS	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Oligochaeta	LIMNODRILOIDES SP.	114.82	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Amphipoda	LITRIELLA BARNARDI	86.11	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	LUMBRINERIS SP. D VITTOR	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	LUMBRINERIS VERRILLI	459.26	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	MALDANE SP.	43.06	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	MEDIOMASTUS AMBISETA	186.57	

B-4 CREC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	MEDIOMASTUS CALIFORNIENSIS	229.63	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	MEDIOMASTUS SP.	2325.00	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	MEGALOMMA PIGMENTUM	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	MINUSPIO DELTA	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	MONTICELLINA DORSOBRANCHIALIS	473.61	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	MOOREONUPHIS SP.	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Mysida	MYSIDAE (LPIL)	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Gastropoda	NASSARIUS VIBEX	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Nemertea	NEMERTEA (LPIL)	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Nemertea	NEMERTEA SP. A (STROM)	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	NEPHTYS PICTA	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	NEREIDIDAE (LPIL)	57.41	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	NEREIS MICROMMA	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Bivalvia	NUCULANA ACUTA	157.87	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	ODONTOSYLLIS CF. ENOPLA	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Decapoda	OGYRIDES ALPHAEROSTRIS	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Decapoda	PAGURISTES SP.	57.41	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Amphipoda	PARACAPRELLA TENUIS	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	PARAPRIONOSPIO SP.	71.76	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	PECTINARIA GOULDII	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Sipuncula	PHASCOLION SP.	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Phoronida	PHORONIDA (LPIL)	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Decapoda	PINNIXA SP.	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Platyhelminthes	PLATYHELMINTHES (LPIL)	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	PODARKEOPSIS LEVIFUSCINA	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Porifera	PORIFERA (LPIL)	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	PROTODORVILLEA BIFIDA	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	SABELLINAE (LPIL)	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	SCOLOPLOS RUBRA	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	SPIONIDAE (LPIL)	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	STREBLOSPIO SP.	143.52	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Polychaeta	SYLLIS GRACILIS	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Bivalvia	TELLINIDAE (LPIL)	516.67	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Oligochaeta	TUBIFICOID NAIDIDAE (LPIL)	904.17	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Gastropoda	TURBONILLA SP.	28.70	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Bivalvia	VENERIDAE (LPIL)	14.35	
Ponar Dredge	CREC	CREC-04	22-Jul-08	Decapoda	XANTHOIDEA (LPIL)	43.06	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Gastropoda	ACTEOCINA CANALICULATA	100.46	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Mysida	AMERICAMYSIS SP.	86.11	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Amphipoda	AMPELISCA SP.	43.06	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Amphipoda	AMPELISCA SP. D	14.35	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	APHELOCHAETA SP.	28.70	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	ARICIDEA FAUVELI	71.76	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	ARICIDEA PHILBINAE	43.06	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	ARICIDEA SP.	28.70	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Bivalvia	BIVALVIA (LPIL)	43.06	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	BOCCARDIA SP.	172.22	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Decapoda	CARIDEA (LPIL)	43.06	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Bivalvia	CARYOCORBULA CONTRACTA	57.41	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Amphipoda	CERAPUS SP. C LECROY	14.35	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Bivalvia	CORBULIDAE (LPIL)	43.06	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Bivalvia	CRASSINELLA LUNULATA	43.06	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Cumacea	CYCLASPIS SP.	43.06	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	DIPOLYDORA SOCIALIS	57.41	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	FABRICINUDA TRILOBATA	172.22	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	GALATHOWENIA OCULATA	2970.84	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Gastropoda	GASTROPODA (LPIL)	43.06	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	GLYCERA AMERICANA	28.70	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	GLYCIDAE SOLITARIA	200.93	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	LEITOSCOLOPLOS FOLIOSUS	28.70	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	LEITOSCOLOPLOS SP.	129.17	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Amphipoda	LILJEBORGIIDAE (LPIL)	129.17	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	LUMBRINERIDAE (LPIL)	28.70	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	LUMBRINERIS VERRILLI	2339.36	

B-4 CREC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	MALDANIDAE (LPIL)	114.82	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	MEDIOMASTUS AMBISSETA	818.06	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	MEDIOMASTUS CALIFORNIENSIS	57.41	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	MEDIOMASTUS SP.	1176.85	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	MINUSPIO SP.	43.06	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Gastropoda	MITRELLA LUNATA	28.70	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	MONTICELLINA DORSOBRANCHIALIS	71.76	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Nemertea	NEMERTEA (LPIL)	14.35	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Nemertea	NEMERTEA SP. K (LINE)	14.35	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	NEREIDIDAE (LPIL)	28.70	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	NEREIS MICROMMA	43.06	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	NEREIS SP.	14.35	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Bivalvia	NUCULA CRENULATA	100.46	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Bivalvia	NUCULANA ACUTA	129.17	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Amphipoda	OEDICEROTIDAE (LPIL)	43.06	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Gastropoda	OLIVELLA MUTICA	86.11	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Gastropoda	OLIVELLA PERPLEXA	114.82	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Echinodermata	OPHIUROIDEA (LPIL)	57.41	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	OWENIA FUSIFORMIS	14.35	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	PARAPRIONOSPION SP.	143.52	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Sipuncula	SIPUNCULA SP. M (STROM)	28.70	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Polychaeta	SPIOCHAETOPTERUS COSTARUM	14.35	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Bivalvia	TELLINA SP.	86.11	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Gastropoda	TURBONILLA CONRADI	114.82	
Ponar Dredge	CREC	CREC-04	31-Oct-08	Isopoda	UROMUNNA SP.	43.06	
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Trawl	CREC	CREC-03	17-Apr-08	Atlantic brief squid	Lolliguncula brevis		1.0
Trawl	CREC	CREC-04	17-Apr-08	Hippolyte shrimp	Hippolyte sp.		0.5
Trawl	CREC	CREC-04	17-Apr-08	Palaemonid shrimp	Palaemonidae		0.5
Trawl	CREC	CREC-04	17-Apr-08	Pink or brown shrimp	Farfantepenaeus sp.		0.5
Trawl	CREC	CREC-04	17-Apr-08	Right-handed hermit crab	Paguridae		1.0
Trawl	CREC	CREC-04	17-Apr-08	Sphaeromatid isopod	Paracerceis caudata		0.5
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Trawl	CREC	CREC-03	11-Jun-08	Iridescent swim crab	Portunus gibbesii		0.5
Trawl	CREC	CREC-03	11-Jun-08	Mud crab	Panopeidae		3.0
Trawl	CREC	CREC-03	11-Jun-08	Spider crab	Metoporphaphis sp.		0.5
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Trawl	CREC	CREC-04	11-Jun-08	Portly spider crab	Libinia emarginata		0.5
Trawl	CREC	CREC-04	11-Jun-08	Spider crab	Metoporphaphis sp.		1.0
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Trawl	CREC	CREC-03	28-Aug-08	Sargassum swimming crab	Portunus sayi		0.3
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Trawl	CREC	CREC-04	27-Aug-08	Atlantic brief squid	Lolliguncula brevis		1.0
Trawl	CREC	CREC-04	27-Aug-08	Brown shrimp	Farfantepenaeus aztecus		1.5
Trawl	CREC	CREC-04	27-Aug-08	Common eastern nassa	Nassarius vibex		1.5
Trawl	CREC	CREC-04	27-Aug-08	Mud crab	Panopeidae		0.5
Trawl	CREC	CREC-04	27-Aug-08	Pear whelk	Busycyon spiratum		0.5
Trawl	CREC	CREC-04	27-Aug-08	Snapping shrimp	Alpheus heterochaelis		0.5
Trawl	CREC	CREC-04	27-Aug-08	Yellowline arrow crab	Stenorhynchus seticornis		2.0
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Trawl	CREC	CREC-03	10-Nov-08	Speck-claw decorator crab	Microphrys bicornutus		0.5
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Trawl	CREC	CREC-04	10-Nov-08	Atlantic brief squid	Lolliguncula brevis		1.0
Trawl	CREC	CREC-04	11-Nov-08	Brown shrimp	Farfantepenaeus aztecus		3.5
Trawl	CREC	CREC-04	11-Nov-08	Florida stone crab	Menippe mercenaria		2.0
Trawl	CREC	CREC-04	10-Nov-08	Hippolyte shrimp	Hippolyte sp.		1.0
Trawl	CREC	CREC-04	10-Nov-08	Lined seahorse	Hippocampus erectus		0.5
Trawl	CREC	CREC-04	11-Nov-08	Palaemonid shrimp	Palaemonidae		1.0
Trawl	CREC	CREC-04	10-Nov-08	Portunid crab	Portunus sp.		1.5
Trawl	CREC	CREC-04	11-Nov-08	Speck-claw decorator crab	Microphrys bicornutus		2.0
Trawl	CREC	CREC-04	11-Nov-08	Unspecified snapping shrimp	Alpheus sp.		0.5
Trawl	CREC	CREC-04	10-Nov-08	Yellowline arrow crab	Stenorhynchus seticornis		5.0
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Crab Trap	CREC	CREC-03	22-Apr-08	Crown conch	Melongena corona		0.1
Crab Trap	CREC	CREC-03	22-Apr-08	Florida stone crab	Menippe mercenaria		0.2
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Crab Trap	CREC	CREC-04	22-Apr-08	Blue crab	Callinectes sapidus		0.4
Crab Trap	CREC	CREC-04	22-Apr-08	Florida stone crab	Menippe mercenaria		0.2
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Crab Trap	CREC	CREC-03	13-Jun-08	Florida stone crab	Menippe mercenaria		0.9
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Crab Trap	CREC	CREC-04	13-Jun-08	Blue crab	Callinectes sapidus		0.1
Crab Trap	CREC	CREC-04	13-Jun-08	Florida stone crab	Menippe mercenaria		0.5

B-4 CREC Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Crab Trap	CREC	CREC-03	05-Sep-08	Blue crab	Callinectes sapidus		0.1
Crab Trap	CREC	CREC-03	05-Sep-08	Florida stone crab	Menippe mercenaria		2.0
Crab Trap	CREC	CREC-04	05-Sep-08	Florida stone crab	Menippe mercenaria		0.5
Crab Trap	CREC	CREC-03	14-Nov-08	Blue crab	Callinectes sapidus		0.3
Crab Trap	CREC	CREC-03	14-Nov-08	Florida stone crab	Menippe mercenaria		0.5
Crab Trap	CREC	CREC-04	14-Nov-08	Florida stone crab	Menippe mercenaria		0.4

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CREC Plankton Data

B-5 CREC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CREC	CREC-03	A	Day	April 22-23, 2008	Ichthyoplankton	Carangidae/ Haemulidae/ Merlucciidae/ Paralichthyidae/ Sciaenidae/ Serranidae egg		Egg	4.93
						complex		Egg	3.29
						Engraulidae		Egg	1.64
						Atherinopsidae	Menidia sp.	Post yolk-sac larvae	4.93
CREC	CREC-03	A	Day	April 22-23, 2008	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	9.86
CREC	CREC-03	A	Day	April 22-23, 2008	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	3.29
CREC	CREC-03	A	Day	April 22-23, 2008	Ichthyoplankton	Gobiesocidae	Gobiosoma robustum	Post yolk-sac larvae	228.51
CREC	CREC-03	A	Day	April 22-23, 2008	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	120.01
CREC	CREC-03	A	Day	April 22-23, 2008	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	72.33
CREC	CREC-03	A	Day	April 22-23, 2008	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	13.15
CREC	CREC-03	A	Day	April 22-23, 2008	Ichthyoplankton	Microdesmidae		Post yolk-sac larvae	1.64
CREC	CREC-03	A	Day	April 22-23, 2008	Meroplankton	Perciformes		Zoea	17675.49
CREC	CREC-03	A	Day	April 22-23, 2008	Meroplankton	Brachyura	Armas/Sesarma/Uca complex	Megalopae	841.69
CREC	CREC-03	A	Day	April 22-23, 2008	Meroplankton	Brachyura	Armas/Sesarma/Uca complex	Post-larval	841.69
CREC	CREC-03	A	Day	April 22-23, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Juvenile	420.84
CREC	CREC-03	A	Day	April 22-23, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	420.84
CREC	CREC-03	A	Day	April 22-23, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	841.69
CREC	CREC-03	A	Day	April 22-23, 2008	Meroplankton	Paguridae	Pagurus sp.	Zoea	42084.50
CREC	CREC-03	A	Day	April 22-23, 2008	Meroplankton	Panopeidae		Zoea	5470.98
CREC	CREC-03	A	Day	April 22-23, 2008	Meroplankton	Pinnotheridae		Zoea	841.69
CREC	CREC-03	A	Day	April 22-23, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	23988.16
CREC	CREC-03	A	Day	April 22-23, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	999.51
CREC	CREC-03	A	Day	April 22-23, 2008	Holoplankton	Chaetognatha			5286.87
CREC	CREC-03	A	Day	April 22-23, 2008	Holoplankton	Copepoda			105.21
CREC	CREC-03	A	Day	April 22-23, 2008	Meroplankton	Cirripedia			1841.20
CREC	CREC-03	A	Day	April 22-23, 2008	Meroplankton	Gastropoda			26.30
CREC	CREC-03	A	Day	April 22-23, 2008	Pseudoplankton/ Benthos	Polychaeta			1209.93
CREC	CREC-03	A	Day	April 22-23, 2008	Meroplankton	Tunicata			
CREC	CREC-03	B	Day	April 22-23, 2008	Ichthyoplankton	Clupeidae		Egg	14.11
CREC	CREC-03	B	Day	April 22-23, 2008	Ichthyoplankton	Engraulidae		Egg	84.64
CREC	CREC-03	B	Day	April 22-23, 2008	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	28.21
CREC	CREC-03	B	Day	April 22-23, 2008	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	14.11
CREC	CREC-03	B	Day	April 22-23, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	42.32
CREC	CREC-03	B	Day	April 22-23, 2008	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	14.11
CREC	CREC-03	B	Day	April 22-23, 2008	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	28.21
CREC	CREC-03	B	Day	April 22-23, 2008	Ichthyoplankton	UnID		Yolk-sac larvae	14.11
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Anomura		Zoea	56.43
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Brachyura	Armas/Sesarma/Uca complex	Zoea	11849.76
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Brachyura	Armas/Sesarma/Uca complex	Megalopae	564.27
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Callinassidae	Callinassa sp.	Zoea	56.43
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	169.28
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	112.85
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	789.98
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	56.43
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Leucosiidae	Persephona mediterranea	Zoea	56.43
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Adult	169.28
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	451.42
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Paguridae	Pagurus sp.	Zoea	338.56
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Panopeidae		Zoea	12696.17
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Panopeidae		Megalopae	112.85
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Pinnotheridae		Zoea	564.27
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	338.56
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	UnID Brachyura		Zoea	56.43
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Post-larval	169.28
CREC	CREC-03	B	Day	April 22-23, 2008	Holoplankton	Chaetognatha			1805.68
CREC	CREC-03	B	Day	April 22-23, 2008	Holoplankton	Copepoda			37467.82
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Cirripedia			902.84
CREC	CREC-03	B	Day	April 22-23, 2008	Meroplankton	Gastropoda			225.71
CREC	CREC-03	A	Night	April 22-23, 2008	Ichthyoplankton	Engraulidae		Egg	121.89
CREC	CREC-03	A	Night	April 22-23, 2008	Ichthyoplankton	UnID (no embryo)		Egg	16.47
CREC	CREC-03	A	Night	April 22-23, 2008	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	26.35
CREC	CREC-03	A	Night	April 22-23, 2008	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	3.29
CREC	CREC-03	A	Night	April 22-23, 2008	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	98.83
CREC	CREC-03	A	Night	April 22-23, 2008	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	13.18
CREC	CREC-03	A	Night	April 22-23, 2008	Ichthyoplankton	Engraulidae		Yolk-sac larvae	3.29
CREC	CREC-03	A	Night	April 22-23, 2008	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	230.60
CREC	CREC-03	A	Night	April 22-23, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	29.65
CREC	CREC-03	A	Night	April 22-23, 2008	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	3.29
CREC	CREC-03	A	Night	April 22-23, 2008	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	13.18
CREC	CREC-03	A	Night	April 22-23, 2008	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	26.35
CREC	CREC-03	A	Night	April 22-23, 2008	Ichthyoplankton	Microdesmidae		Post yolk-sac larvae	3.29
CREC	CREC-03	A	Night	April 22-23, 2008	Ichthyoplankton	UnID		Post yolk-sac larvae	3.29
CREC	CREC-03	A	Night	April 22-23, 2008	Meroplankton	Brachyura	Armas/Sesarma/Uca complex	Zoea	9276.89
CREC	CREC-03	A	Night	April 22-23, 2008	Meroplankton	Brachyura	Armas/Sesarma/Uca complex	Megalopae	210.84
CREC	CREC-03	A	Night	April 22-23, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1265.03
CREC	CREC-03	A	Night	April 22-23, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	843.35
CREC	CREC-03	A	Night	April 22-23, 2008	Meroplankton	Majidae		Zoea	421.68
CREC	CREC-03	A	Night	April 22-23, 2008	Meroplankton	Paguridae	Pagurus sp.	Zoea	2108.38

B-5 CREC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CREC	CREC-03	A	Night	April 22-23, 2008	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	210.84
CREC	CREC-03	A	Night	April 22-23, 2008	Meroplankton	Panopeidae		Zoea	46806.13
CREC	CREC-03	A	Night	April 22-23, 2008	Meroplankton	Panopeidae		Megalopae	421.68
CREC	CREC-03	A	Night	April 22-23, 2008	Meroplankton	Pinnotheridae		Zoea	2530.06
CREC	CREC-03	A	Night	April 22-23, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	210.84
CREC	CREC-03	A	Night	April 22-23, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	6325.15
CREC	CREC-03	A	Night	April 22-23, 2008	Holoplankton	Chaetognatha			2319.22
CREC	CREC-03	A	Night	April 22-23, 2008	Holoplankton	Copepoda			22770.55
CREC	CREC-03	A	Night	April 22-23, 2008	Meroplankton	Gastropoda			2530.06
CREC	CREC-03	A	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Amphipoda			1054.19
CREC	CREC-03	B	Night	April 22-23, 2008	Ichthyoplankton	Engraulidae		Egg	67.51
CREC	CREC-03	B	Night	April 22-23, 2008	Ichthyoplankton	UnID (no embryo)		Egg	24.87
CREC	CREC-03	B	Night	April 22-23, 2008	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	3.55
CREC	CREC-03	B	Night	April 22-23, 2008	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	316.22
CREC	CREC-03	B	Night	April 22-23, 2008	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	426.36
CREC	CREC-03	B	Night	April 22-23, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	14.21
CREC	CREC-03	B	Night	April 22-23, 2008	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	7.11
CREC	CREC-03	B	Night	April 22-23, 2008	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	7.11
CREC	CREC-03	B	Night	April 22-23, 2008	Ichthyoplankton	Microdesmidae		Post yolk-sac larvae	7.11
CREC	CREC-03	B	Night	April 22-23, 2008	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	3.55
CREC	CREC-03	B	Night	April 22-23, 2008	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	3.55
CREC	CREC-03	B	Night	April 22-23, 2008	Ichthyoplankton	UnID		Post yolk-sac larvae	7.11
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Albuneidae		Megalopae	56.85
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	3979.39
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	2899.27
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	284.24
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	56.85
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	113.70
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	2046.54
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Adult	56.85
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Majidae		Zoea	227.39
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Majidae		Megalopae	56.85
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Paguridae	Pagurus sp.	Zoea	909.58
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Palaemonidae	Palaemonetes paludosus	Juvenile	56.85
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	56.85
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Panopeidae		Zoea	11540.24
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Panopeidae		Megalopae	568.48
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Pinnotheridae		Zoea	625.33
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Pinnotheridae		Megalopae	170.55
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	227.39
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	UnID Brachyura		Zoea	113.70
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	4149.94
CREC	CREC-03	B	Night	April 22-23, 2008	Holoplankton	Chaetognatha			1733.88
CREC	CREC-03	B	Night	April 22-23, 2008	Holoplankton	Copepoda			11710.78
CREC	CREC-03	B	Night	April 22-23, 2008	Holoplankton	Mysida			198.97
CREC	CREC-03	B	Night	April 22-23, 2008	Meroplankton	Gastropoda			909.58
CREC	CREC-03	B	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Collembola			28.42
CREC	CREC-03	B	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Amphipoda			966.42
CREC	CREC-03	B	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Branchiura			56.85
CREC	CREC-03	B	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Cumacea			511.64
CREC	CREC-03	B	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Isopoda			28.42
CREC	CREC-03	B	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Ostracoda			426.36
CREC	CREC-03	B	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Polychaeta			56.85
CREC	CREC-03	A	Day	June 19, 2008	Ichthyoplankton	Merluccidae/ Paralichthyidae/		Egg	2.79
CREC	CREC-03	A	Day	June 19, 2008	Ichthyoplankton	UnID (no embryo)		Egg	2.79
CREC	CREC-03	A	Day	June 19, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	83.62
CREC	CREC-03	A	Day	June 19, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	19.51
CREC	CREC-03	A	Day	June 19, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	16.72
CREC	CREC-03	A	Day	June 19, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	66.90
CREC	CREC-03	A	Day	June 19, 2008	Meroplankton	Laomediidae	Naushonia crangonoides	Zoea	2.79
CREC	CREC-03	A	Day	June 19, 2008	Meroplankton	Majidae	Libinia dubia	Megalopae	2.79
CREC	CREC-03	A	Day	June 19, 2008	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	2.79
CREC	CREC-03	A	Day	June 19, 2008	Meroplankton	Panopeidae		Zoea	616.03
CREC	CREC-03	A	Day	June 19, 2008	Meroplankton	Panopeidae		Megalopae	5.57
CREC	CREC-03	A	Day	June 19, 2008	Meroplankton	Pinnotheridae		Zoea	30.66
CREC	CREC-03	A	Day	June 19, 2008	Meroplankton	Pinnotheridae		Megalopae	2.79
CREC	CREC-03	A	Day	June 19, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	103.14
CREC	CREC-03	A	Day	June 19, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	27.87
CREC	CREC-03	A	Day	June 19, 2008	Holoplankton	Appendicularia			11.15
CREC	CREC-03	A	Day	June 19, 2008	Holoplankton	Chaetognatha			11.15
CREC	CREC-03	A	Day	June 19, 2008	Holoplankton	Copepoda			1555.40
CREC	CREC-03	A	Day	June 19, 2008	Pseudoplankton/ Benthos	Amphipoda			27.87
CREC	CREC-03	A	Day	June 19, 2008	Pseudoplankton/ Benthos	Ostracoda			5.57
CREC	CREC-03	A	Day	June 19, 2008	Pseudoplankton/ Benthos	Tanaidacea			33.45
CREC	CREC-03	B	Day	June 19, 2008	Ichthyoplankton	Engraulidae		Egg	6.73
CREC	CREC-03	B	Day	June 19, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	127.82
CREC	CREC-03	B	Day	June 19, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	6.73
CREC	CREC-03	B	Day	June 19, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	13.45
CREC	CREC-03	B	Day	June 19, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	33.64
CREC	CREC-03	B	Day	June 19, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	20.18
CREC	CREC-03	B	Day	June 19, 2008	Meroplankton	Panopeidae		Zoea	1096.54

B-5 CREC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CREC	CREC-03	B	Day	June 19, 2008	Meroplankton	Panopeidae		Megalopae	20.18
CREC	CREC-03	B	Day	June 19, 2008	Meroplankton	Pinnotheridae		Zoea	53.82
CREC	CREC-03	B	Day	June 19, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	188.36
CREC	CREC-03	B	Day	June 19, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	26.91
CREC	CREC-03	B	Day	June 19, 2008	Holoplankton	Chaetognatha			40.36
CREC	CREC-03	B	Day	June 19, 2008	Holoplankton	Copepoda			1863.44
CREC	CREC-03	B	Day	June 19, 2008	Meroplankton	Bivalvia			6.73
CREC	CREC-03	B	Day	June 19, 2008	Pseudoplankton/ Benthos	Amphipoda			47.09
CREC	CREC-03	B	Day	June 19, 2008	Pseudoplankton/ Benthos	Ostracoda			6.73
CREC	CREC-03	B	Day	June 19, 2008	Meroplankton	Tunicata			161.45
CREC	CREC-03	A	Night	June 19, 2008	Ichthyoplankton	UnID (no embryo)		Egg	296.60
CREC	CREC-03	A	Night	June 19, 2008	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.43
CREC	CREC-03	A	Night	June 19, 2008	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	10.03
CREC	CREC-03	A	Night	June 19, 2008	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	1.43
CREC	CREC-03	A	Night	June 19, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	4.30
CREC	CREC-03	A	Night	June 19, 2008	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	1.43
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Anomura		Juvenile	5.73
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	120.36
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	406.94
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Callinassidae	Callinassa sp.	Zoea	5.73
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	183.41
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	447.06
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Juvenile	11.46
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Paguridae	Pagurus sp.	Zoea	5.73
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	40.12
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Panopeidae		Zoea	550.22
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Panopeidae		Megalopae	68.78
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Pinnotheridae		Zoea	11.46
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Pinnotheridae		Megalopae	11.46
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Pinnotheridae		Juvenile	5.73
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	22.93
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	5.73
CREC	CREC-03	A	Night	June 19, 2008	Holoplankton	Chaetognatha			17.19
CREC	CREC-03	A	Night	June 19, 2008	Holoplankton	Copepoda			424.13
CREC	CREC-03	A	Night	June 19, 2008	Meroplankton	Bivalvia			5.73
CREC	CREC-03	A	Night	June 19, 2008	Pseudoplankton/ Benthos	Amphipoda			154.75
CREC	CREC-03	A	Night	June 19, 2008	Pseudoplankton/ Benthos	Cumacea			57.31
CREC	CREC-03	A	Night	June 19, 2008	Pseudoplankton/ Benthos	Isopoda			11.46
CREC	CREC-03	A	Night	June 19, 2008	Pseudoplankton/ Benthos	Tanaidacea			28.66
CREC	CREC-03	B	Night	June 19, 2008	Ichthyoplankton	Engraulidae		Egg	3.45
CREC	CREC-03	B	Night	June 19, 2008	Ichthyoplankton	UnID (no embryo)		Egg	107.01
CREC	CREC-03	B	Night	June 19, 2008	Ichthyoplankton	UnID		Yolk-sac larvae	3.45
CREC	CREC-03	B	Night	June 19, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	44.87
CREC	CREC-03	B	Night	June 19, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	27.61
CREC	CREC-03	B	Night	June 19, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	10.36
CREC	CREC-03	B	Night	June 19, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	6.90
CREC	CREC-03	B	Night	June 19, 2008	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	3.45
CREC	CREC-03	B	Night	June 19, 2008	Meroplankton	Panopeidae		Zoea	172.59
CREC	CREC-03	B	Night	June 19, 2008	Meroplankton	Panopeidae		Megalopae	6.90
CREC	CREC-03	B	Night	June 19, 2008	Meroplankton	Pinnotheridae		Zoea	6.90
CREC	CREC-03	B	Night	June 19, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	20.71
CREC	CREC-03	B	Night	June 19, 2008	Holoplankton	Chaetognatha			6.90
CREC	CREC-03	B	Night	June 19, 2008	Holoplankton	Copepoda			345.18
CREC	CREC-03	B	Night	June 19, 2008	Holoplankton	Mysida			6.90
CREC	CREC-03	B	Night	June 19, 2008	Pseudoplankton/ Benthos	Collembola			20.71
CREC	CREC-03	B	Night	June 19, 2008	Pseudoplankton/ Benthos	Amphipoda			82.84
CREC	CREC-03	B	Night	June 19, 2008	Pseudoplankton/ Benthos	Cumacea			13.81
CREC	CREC-03	B	Night	June 19, 2008	Pseudoplankton/ Benthos	Polychaeta			6.90
CREC	CREC-03	B	Night	June 19, 2008	Pseudoplankton/ Benthos	Tanaidacea			6.90
CREC	CREC-03	B	Night	June 19, 2008	Meroplankton	Tunicata			13.81
CREC	CREC-03	A	Day	September 3-4, 2008	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.62
CREC	CREC-03	A	Day	September 3-4, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	452.34
CREC	CREC-03	A	Day	September 3-4, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	12.92
CREC	CREC-03	A	Day	September 3-4, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	38.77
CREC	CREC-03	A	Day	September 3-4, 2008	Meroplankton	Panopeidae		Zoea	1214.86
CREC	CREC-03	A	Day	September 3-4, 2008	Meroplankton	Panopeidae		Megalopae	25.85
CREC	CREC-03	A	Day	September 3-4, 2008	Meroplankton	Pinnotheridae		Zoea	64.62
CREC	CREC-03	A	Day	September 3-4, 2008	Meroplankton	Porcellanidae		Juvenile	12.92
CREC	CREC-03	A	Day	September 3-4, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	64.62
CREC	CREC-03	A	Day	September 3-4, 2008	Meroplankton	Portunidae		Juvenile	12.92
CREC	CREC-03	A	Day	September 3-4, 2008	Meroplankton	Squillidae	Squilla empusa	Post-larval	12.92
CREC	CREC-03	A	Day	September 3-4, 2008	Holoplankton	Copepoda			1072.70
CREC	CREC-03	A	Day	September 3-4, 2008	Meroplankton	Actinaria			12.92
CREC	CREC-03	A	Day	September 3-4, 2008	Meroplankton	Ascidacea			103.39
CREC	CREC-03	A	Day	September 3-4, 2008	Meroplankton	Bivalvia			25.85
CREC	CREC-03	A	Day	September 3-4, 2008	Meroplankton	Cirripedia			90.47
CREC	CREC-03	A	Day	September 3-4, 2008	Pseudoplankton/ Benthos	Amphipoda			555.74
CREC	CREC-03	A	Day	September 3-4, 2008	Pseudoplankton/ Benthos	Nudibranchia			12.92
CREC	CREC-03	A	Day	September 3-4, 2008	Pseudoplankton/ Benthos	Phoronida			12.92
CREC	CREC-03	A	Day	September 3-4, 2008	Pseudoplankton/ Benthos	Polychaeta			64.62
CREC	CREC-03	B	Day	September 3-4, 2008	Ichthyoplankton	Engraulidae		Egg	1.94

B-5 CREC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CREC	CREC-03	B	Day	September 3-4, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	357.77
CREC	CREC-03	B	Day	September 3-4, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	31.11
CREC	CREC-03	B	Day	September 3-4, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	11.67
CREC	CREC-03	B	Day	September 3-4, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	42.78
CREC	CREC-03	B	Day	September 3-4, 2008	Meroplankton	Panopeidae		Zoea	1221.08
CREC	CREC-03	B	Day	September 3-4, 2008	Meroplankton	Panopeidae		Megalopae	3.89
CREC	CREC-03	B	Day	September 3-4, 2008	Meroplankton	Pinnotheridae		Zoea	38.89
CREC	CREC-03	B	Day	September 3-4, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	73.89
CREC	CREC-03	B	Day	September 3-4, 2008	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	3.89
CREC	CREC-03	B	Day	September 3-4, 2008	Holoplankton	Copepoda			116.66
CREC	CREC-03	B	Day	September 3-4, 2008	Meroplankton	Cirripedia			3.89
CREC	CREC-03	B	Day	September 3-4, 2008	Pseudoplankton/ Benthos	Amphipoda			23.33
CREC	CREC-03	B	Day	September 3-4, 2008	Pseudoplankton/ Benthos	Isopoda			1.94
CREC	CREC-03	B	Day	September 3-4, 2008	Pseudoplankton/ Benthos	Nudibranchia			3.89
CREC	CREC-03	B	Day	September 3-4, 2008	Pseudoplankton/ Benthos	Pycnogonida			1.94
CREC	CREC-03	A	Night	September 3-4, 2008	Ichthyoplankton	UnID (no embryo)		Egg	3.75
CREC	CREC-03	A	Night	September 3-4, 2008	Ichthyoplankton	Clupeidae	Brevoortia spp.	Post yolk-sac larvae	3.75
CREC	CREC-03	A	Night	September 3-4, 2008	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	41.21
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	149.84
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	18.73
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	14.98
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	7.49
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	18.73
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	11.24
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Adult	56.19
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	3.75
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Panopeidae		Zoea	138.60
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Panopeidae		Megalopae	11.24
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Pinnotheridae		Zoea	37.46
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	119.87
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	7.49
CREC	CREC-03	A	Night	September 3-4, 2008	Holoplankton	Chaetognatha			22.48
CREC	CREC-03	A	Night	September 3-4, 2008	Holoplankton	Copepoda			1221.20
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Bivalvia			22.48
CREC	CREC-03	A	Night	September 3-4, 2008	Meroplankton	Cirripedia			14.98
CREC	CREC-03	A	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Amphipoda			314.67
CREC	CREC-03	A	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Branchiura			7.49
CREC	CREC-03	A	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Nudibranchia			7.49
CREC	CREC-03	A	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Pycnogonida			59.94
CREC	CREC-03	B	Night	September 3-4, 2008	Ichthyoplankton	UnID (no embryo)		Egg	7.61
CREC	CREC-03	B	Night	September 3-4, 2008	Ichthyoplankton	Clupeidae	Brevoortia spp.	Post yolk-sac larvae	1.90
CREC	CREC-03	B	Night	September 3-4, 2008	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	72.30
CREC	CREC-03	B	Night	September 3-4, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	517.50
CREC	CREC-03	B	Night	September 3-4, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	593.61
CREC	CREC-03	B	Night	September 3-4, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	15.22
CREC	CREC-03	B	Night	September 3-4, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	15.22
CREC	CREC-03	B	Night	September 3-4, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	15.22
CREC	CREC-03	B	Night	September 3-4, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Adult	60.88
CREC	CREC-03	B	Night	September 3-4, 2008	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	91.32
CREC	CREC-03	B	Night	September 3-4, 2008	Meroplankton	Panopeidae		Zoea	410.96
CREC	CREC-03	B	Night	September 3-4, 2008	Meroplankton	Panopeidae		Megalopae	60.88
CREC	CREC-03	B	Night	September 3-4, 2008	Meroplankton	Penaeidae	Farfantepenaeus spp.	Juvenile	15.22
CREC	CREC-03	B	Night	September 3-4, 2008	Meroplankton	Pinnotheridae		Zoea	152.21
CREC	CREC-03	B	Night	September 3-4, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	395.74
CREC	CREC-03	B	Night	September 3-4, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	30.44
CREC	CREC-03	B	Night	September 3-4, 2008	Holoplankton	Copepoda			3683.41
CREC	CREC-03	B	Night	September 3-4, 2008	Holoplankton	Mysida			273.97
CREC	CREC-03	B	Night	September 3-4, 2008	Meroplankton	Cirripedia			121.77
CREC	CREC-03	B	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Amphipoda			639.27
CREC	CREC-03	B	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Isopoda			30.44
CREC	CREC-03	B	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Ostracoda			30.44
CREC	CREC-03	B	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Pycnogonida			30.44
CREC	CREC-03	A	Day	November 13, 2008	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	15.47
CREC	CREC-03	A	Day	November 13, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	73.93
CREC	CREC-03	A	Day	November 13, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Juvenile	29.23
CREC	CREC-03	A	Day	November 13, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	1.72
CREC	CREC-03	A	Day	November 13, 2008	Meroplankton	Paguridae	Pagurus spp.	Zoea	6.88
CREC	CREC-03	A	Day	November 13, 2008	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	10.32
CREC	CREC-03	A	Day	November 13, 2008	Meroplankton	Panopeidae		Zoea	101.44
CREC	CREC-03	A	Day	November 13, 2008	Meroplankton	Pinnotheridae		Zoea	42.98
CREC	CREC-03	A	Day	November 13, 2008	Holoplankton	Chaetognatha			330.12
CREC	CREC-03	A	Day	November 13, 2008	Holoplankton	Copepoda			1086.66
CREC	CREC-03	A	Day	November 13, 2008	Meroplankton	Cirripedia			137.55
CREC	CREC-03	A	Day	November 13, 2008	Meroplankton	Tunicata			1540.58
CREC	CREC-03	A	Day	November 13, 2008	Pseudoplankton/ Benthos	Acari			13.76
CREC	CREC-03	A	Day	November 13, 2008	Pseudoplankton/ Benthos	Amphipoda			82.53
CREC	CREC-03	A	Day	November 13, 2008	Pseudoplankton/ Benthos	Branchiura			13.76
CREC	CREC-03	A	Day	November 13, 2008	Pseudoplankton/ Benthos	Hydrozoa			13.76
CREC	CREC-03	A	Day	November 13, 2008	Pseudoplankton/ Benthos	Ostracoda			41.27
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	7.71
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Post-larval	1.93

B-5 CREC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	142.64
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	57.83
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Hippolytidae	Tozeuma spp.	Zoea	1.93
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Juvenile	1.93
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	171.55
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Palaemonidae	Palaemonetes spp.	Post-larval	21.20
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Paguridae	Pagurus spp.	Zoea	17.35
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Panopeidae		Zoea	21.20
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Pinnotheridae		Zoea	25.06
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	5.78
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	UnID Brachyura		Zoea	1.93
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	7.71
CREC	CREC-03	B	Day	November 13, 2008	Holoplankton	Chaetognatha			1279.88
CREC	CREC-03	B	Day	November 13, 2008	Holoplankton	Copepoda			1341.56
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Cirripedia			154.20
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Gastropoda			30.84
CREC	CREC-03	B	Day	November 13, 2008	Meroplankton	Tunicata			185.04
CREC	CREC-03	B	Day	November 13, 2008	Pseudoplankton/ Benthos	Collembola			15.42
CREC	CREC-03	B	Day	November 13, 2008	Pseudoplankton/ Benthos	Acari			15.42
CREC	CREC-03	B	Day	November 13, 2008	Pseudoplankton/ Benthos	Amphipoda			169.62
CREC	CREC-03	B	Day	November 13, 2008	Pseudoplankton/ Benthos	Ophiuroidea			15.42
CREC	CREC-03	B	Day	November 13, 2008	Pseudoplankton/ Benthos	Polychaeta			77.10
CREC	CREC-03	B	Day	November 13, 2008	Pseudoplankton/ Benthos	Tanaidacea			30.84
CREC	CREC-03	A	Night	November 13, 2008	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	1.88
CREC	CREC-03	A	Night	November 13, 2008	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	1.88
CREC	CREC-03	A	Night	November 13, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	24.46
CREC	CREC-03	A	Night	November 13, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Juvenile	3.76
CREC	CREC-03	A	Night	November 13, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Adult	7.53
CREC	CREC-03	A	Night	November 13, 2008	Meroplankton	Paguridae	Pagurus spp.	Zoea	1.88
CREC	CREC-03	A	Night	November 13, 2008	Meroplankton	Palaemonidae	Periclimenes spp.	Zoea	1.88
CREC	CREC-03	A	Night	November 13, 2008	Meroplankton	Palaemonidae	Periclimenes spp.	Juvenile	1.88
CREC	CREC-03	A	Night	November 13, 2008	Meroplankton	Panopeidae		Zoea	30.10
CREC	CREC-03	A	Night	November 13, 2008	Meroplankton	Pasiphaeidae	Leptochela serratorbita	Adult	1.88
CREC	CREC-03	A	Night	November 13, 2008	Meroplankton	Penaeidae	Farfantepenaeus duorarum	Post-larval	1.88
CREC	CREC-03	A	Night	November 13, 2008	Meroplankton	Pinnotheridae		Zoea	13.17
CREC	CREC-03	A	Night	November 13, 2008	Holoplankton	Chaetognatha			180.62
CREC	CREC-03	A	Night	November 13, 2008	Holoplankton	Copepoda			2272.81
CREC	CREC-03	A	Night	November 13, 2008	Meroplankton	Bivalvia			11.29
CREC	CREC-03	A	Night	November 13, 2008	Pseudoplankton/ Benthos	Collembola			15.05
CREC	CREC-03	A	Night	November 13, 2008	Pseudoplankton/ Benthos	Amphipoda			1143.93
CREC	CREC-03	A	Night	November 13, 2008	Pseudoplankton/ Benthos	Branchiura			15.05
CREC	CREC-03	A	Night	November 13, 2008	Pseudoplankton/ Benthos	Cumacea			45.16
CREC	CREC-03	A	Night	November 13, 2008	Pseudoplankton/ Benthos	Polychaeta			30.10
CREC	CREC-03	A	Night	November 13, 2008	Pseudoplankton/ Benthos	Tanaidacea			15.05
CREC	CREC-03	B	Night	November 13, 2008	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	10.39
CREC	CREC-03	B	Night	November 13, 2008	Meroplankton	Callinassidae		Zoea	1.73
CREC	CREC-03	B	Night	November 13, 2008	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	6.93
CREC	CREC-03	B	Night	November 13, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	122.97
CREC	CREC-03	B	Night	November 13, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	17.32
CREC	CREC-03	B	Night	November 13, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Adult	19.05
CREC	CREC-03	B	Night	November 13, 2008	Meroplankton	Majidae		Zoea	1.73
CREC	CREC-03	B	Night	November 13, 2008	Meroplankton	Palaemonidae	Periclimenes spp.	Juvenile	1.73
CREC	CREC-03	B	Night	November 13, 2008	Meroplankton	Panopeidae		Zoea	31.17
CREC	CREC-03	B	Night	November 13, 2008	Meroplankton	Pinnotheridae		Zoea	24.25
CREC	CREC-03	B	Night	November 13, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	3.46
CREC	CREC-03	B	Night	November 13, 2008	Meroplankton	Unidentified shrimp		Post-larval	3.46
CREC	CREC-03	B	Night	November 13, 2008	Holoplankton	Chaetognatha			138.55
CREC	CREC-03	B	Night	November 13, 2008	Holoplankton	Copepoda			3630.07
CREC	CREC-03	B	Night	November 13, 2008	Meroplankton	Bivalvia			5.20
CREC	CREC-03	B	Night	November 13, 2008	Meroplankton	Cirripedia			83.13
CREC	CREC-03	B	Night	November 13, 2008	Pseudoplankton/ Benthos	Collembola			55.42
CREC	CREC-03	B	Night	November 13, 2008	Pseudoplankton/ Benthos	Amphipoda			1440.94
CREC	CREC-03	B	Night	November 13, 2008	Pseudoplankton/ Benthos	Cumacea			138.55
CREC	CREC-03	B	Night	November 13, 2008	Pseudoplankton/ Benthos	Hydrozoa			27.71
CREC	CREC-03	B	Night	November 13, 2008	Pseudoplankton/ Benthos	Polychaeta			110.84
CREC	CREC-03	B	Night	November 13, 2008	Pseudoplankton/ Benthos	Tanaidacea			27.71
CREC	CREC-04	A	Day	April 22-23, 2008	Ichthyoplankton	Merlucciidae/ Paralichthyidae/ Carangidae/ Haemulidae/ Paralichthyidae/ Sciaenidae/ Serranidae egg complex		Egg	34.25
CREC	CREC-04	A	Day	April 22-23, 2008	Ichthyoplankton	Engraulidae		Egg	65.65
CREC	CREC-04	A	Day	April 22-23, 2008	Ichthyoplankton	UnID (damaged)		Egg	550.88
CREC	CREC-04	A	Day	April 22-23, 2008	Ichthyoplankton	Atherinopsidae		Egg	11.42
CREC	CREC-04	A	Day	April 22-23, 2008	Ichthyoplankton	Atherinopsidae	Menidia sp.	Yolk-sac larvae	5.71
CREC	CREC-04	A	Day	April 22-23, 2008	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	5.71
CREC	CREC-04	A	Day	April 22-23, 2008	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	22.83
CREC	CREC-04	A	Day	April 22-23, 2008	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	282.57
CREC	CREC-04	A	Day	April 22-23, 2008	Ichthyoplankton	Engraulidae		Yolk-sac larvae	94.19
CREC	CREC-04	A	Day	April 22-23, 2008	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	28.54
CREC	CREC-04	A	Day	April 22-23, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	11.42
CREC	CREC-04	A	Day	April 22-23, 2008	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	17.13
CREC	CREC-04	A	Day	April 22-23, 2008	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	42.81

B-5 CREC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CREC	CREC-04	A	Day	April 22-23, 2008	Meroplankton	Anomura		Juvenile	365.35
CREC	CREC-04	A	Day	April 22-23, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	1826.74
CREC	CREC-04	A	Day	April 22-23, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	730.70
CREC	CREC-04	A	Day	April 22-23, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	2374.77
CREC	CREC-04	A	Day	April 22-23, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	182.67
CREC	CREC-04	A	Day	April 22-23, 2008	Meroplankton	Paguridae	Pagurus sp.	Zoea	913.37
CREC	CREC-04	A	Day	April 22-23, 2008	Meroplankton	Panopeidae		Zoea	64849.44
CREC	CREC-04	A	Day	April 22-23, 2008	Meroplankton	Pinnotheridae		Zoea	1096.05
CREC	CREC-04	A	Day	April 22-23, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	548.02
CREC	CREC-04	A	Day	April 22-23, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	13700.59
CREC	CREC-04	A	Day	April 22-23, 2008	Meroplankton	Chaetognatha			9042.39
CREC	CREC-04	A	Day	April 22-23, 2008	Holoplankton	Copepoda			31237.33
CREC	CREC-04	A	Day	April 22-23, 2008	Meroplankton	Cirripedia			91.34
CREC	CREC-04	A	Day	April 22-23, 2008	Meroplankton	Gastropoda			19820.18
CREC	CREC-04	B	Day	April 22-23, 2008	Ichthyoplankton	Merluccidae/ Paralichthyidae/		Egg	123.00
CREC	CREC-04	B	Day	April 22-23, 2008	Ichthyoplankton	Engraulidae		Egg	595.57
CREC	CREC-04	B	Day	April 22-23, 2008	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	19.42
CREC	CREC-04	B	Day	April 22-23, 2008	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	25.89
CREC	CREC-04	B	Day	April 22-23, 2008	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	25.89
CREC	CREC-04	B	Day	April 22-23, 2008	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	239.52
CREC	CREC-04	B	Day	April 22-23, 2008	Ichthyoplankton	Engraulidae		Yolk-sac larvae	213.63
CREC	CREC-04	B	Day	April 22-23, 2008	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	25.89
CREC	CREC-04	B	Day	April 22-23, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	19.42
CREC	CREC-04	B	Day	April 22-23, 2008	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	6.47
CREC	CREC-04	B	Day	April 22-23, 2008	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	38.84
CREC	CREC-04	B	Day	April 22-23, 2008	Ichthyoplankton	Perciformes		Post yolk-sac larvae	6.47
CREC	CREC-04	B	Day	April 22-23, 2008	Ichthyoplankton	UnID		Yolk-sac larvae	6.47
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Anomura		Juvenile	828.61
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	4557.37
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	3728.76
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	7457.52
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	2900.15
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Callianassidae	Callianassa sp.	Zoea	414.31
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Hippolytidae	Tozeuma sp.	Zoea	414.31
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Paguridae	Pagurus sp.	Zoea	6214.60
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Panopeidae		Zoea	257284.35
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Panopeidae		Megalopae	1242.92
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Pinnotheridae		Zoea	12429.20
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	828.61
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Squillidae		Post-larval	414.31
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	68774.88
CREC	CREC-04	B	Day	April 22-23, 2008	Holoplankton	Chaetognatha			48266.71
CREC	CREC-04	B	Day	April 22-23, 2008	Holoplankton	Copepoda			76232.40
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Bivalvia			207.15
CREC	CREC-04	B	Day	April 22-23, 2008	Meroplankton	Gastropoda			48888.17
CREC	CREC-04	B	Day	April 22-23, 2008	Pseudoplankton/ Benthos	Polychaeta			414.31
CREC	CREC-04	A	Night	April 22-23, 2008	Ichthyoplankton	Engraulidae		Egg	3251.11
CREC	CREC-04	A	Night	April 22-23, 2008	Ichthyoplankton	UnID (no embryo)		Egg	227.15
CREC	CREC-04	A	Night	April 22-23, 2008	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	14.20
CREC	CREC-04	A	Night	April 22-23, 2008	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	14.20
CREC	CREC-04	A	Night	April 22-23, 2008	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	113.58
CREC	CREC-04	A	Night	April 22-23, 2008	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	113.58
CREC	CREC-04	A	Night	April 22-23, 2008	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	14.20
CREC	CREC-04	A	Night	April 22-23, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	482.70
CREC	CREC-04	A	Night	April 22-23, 2008	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	56.79
CREC	CREC-04	A	Night	April 22-23, 2008	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	354.92
CREC	CREC-04	A	Night	April 22-23, 2008	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	56.79
CREC	CREC-04	A	Night	April 22-23, 2008	Ichthyoplankton	Synodontidae		Post yolk-sac larvae	14.20
CREC	CREC-04	A	Night	April 22-23, 2008	Ichthyoplankton	UnID		Yolk-sac larvae	28.39
CREC	CREC-04	A	Night	April 22-23, 2008	Meroplankton	Anomura		Juvenile	454.30
CREC	CREC-04	A	Night	April 22-23, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	454.30
CREC	CREC-04	A	Night	April 22-23, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	908.61
CREC	CREC-04	A	Night	April 22-23, 2008	Meroplankton	Callianassidae	Callianassa sp.	Zoea	227.15
CREC	CREC-04	A	Night	April 22-23, 2008	Meroplankton	Caridea		Post-larval	227.15
CREC	CREC-04	A	Night	April 22-23, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	12039.04
CREC	CREC-04	A	Night	April 22-23, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	1135.76
CREC	CREC-04	A	Night	April 22-23, 2008	Meroplankton	Leucosiidae	Persephona mediterranea	Zoea	227.15
CREC	CREC-04	A	Night	April 22-23, 2008	Meroplankton	Loliginidae		Juvenile	14.20
CREC	CREC-04	A	Night	April 22-23, 2008	Meroplankton	Panopeidae		Zoea	22715.17
CREC	CREC-04	A	Night	April 22-23, 2008	Meroplankton	Panopeidae		Megalopae	1135.76
CREC	CREC-04	A	Night	April 22-23, 2008	Meroplankton	Pinnotheridae		Zoea	681.46
CREC	CREC-04	A	Night	April 22-23, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	454.30
CREC	CREC-04	A	Night	April 22-23, 2008	Holoplankton	Chaetognatha			9994.68
CREC	CREC-04	A	Night	April 22-23, 2008	Holoplankton	Copepoda			96312.33
CREC	CREC-04	A	Night	April 22-23, 2008	Meroplankton	Gastropoda			8177.46
CREC	CREC-04	A	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Amphipoda			4543.03
CREC	CREC-04	A	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Cumacea			2271.52
CREC	CREC-04	A	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Ostracoda			2271.52
CREC	CREC-04	A	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Polychaeta			454.30
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Engraulidae		Egg	6311.45
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	6.34

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Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Belontiidae		Post yolk-sac larvae	6.34
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	19.03
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Clupeidae		Post yolk-sac larvae	31.72
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	57.09
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	63.43
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	50.75
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	532.83
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Gobiidae	Gobiosoma robustum	Post yolk-sac larvae	76.12
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	6.34
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	247.38
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Sciaenidae		Post yolk-sac larvae	6.34
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	25.37
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	Sphyraenidae	Sphyraena sp.	Juvenile	1.59
CREC	CREC-04	B	Night	April 22-23, 2008	Ichthyoplankton	UnID (damaged)		Post yolk-sac larvae	6.34
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Albuneidae		Juvenile	101.49
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Anomura		Juvenile	2638.76
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	710.43
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	2029.81
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Callinassidae	Callinassa sp.	Zoea	202.98
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Caridea		Post-larval	202.98
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	13295.27
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	1319.38
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Hippolytidae	Lysmata sp.	Zoea	101.49
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Hippolytidae	Tozeuma sp.	Post-larval	202.98
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Loliginidae		Juvenile	6.34
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Majidae		Zoea	101.49
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Majidae		Megalopae	101.49
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Panopeidae		Zoea	38464.95
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Panopeidae		Megalopae	1522.36
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Pinnotheridae		Zoea	2131.30
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Pinnotheridae		Megalopae	101.49
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Portunidae	Callinectes sapidus	Megalopae	202.98
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Squillidae		Post-larval	101.49
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	2131.30
CREC	CREC-04	B	Night	April 22-23, 2008	Holoplankton	Chaetognatha			9337.14
CREC	CREC-04	B	Night	April 22-23, 2008	Holoplankton	Copepoda			50339.36
CREC	CREC-04	B	Night	April 22-23, 2008	Meroplankton	Gastropoda			7307.33
CREC	CREC-04	B	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Amphipoda			4871.55
CREC	CREC-04	B	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Cumacea			5683.48
CREC	CREC-04	B	Night	April 22-23, 2008	Pseudoplankton/ Benthos	Polychaeta			405.96
CREC	CREC-04	A	Day	June 19, 2008	Ichthyoplankton	Engraulidae		Egg	55.29
CREC	CREC-04	A	Day	June 19, 2008	Ichthyoplankton	UnID		Egg	1.35
CREC	CREC-04	A	Day	June 19, 2008	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	4.05
CREC	CREC-04	A	Day	June 19, 2008	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	5.39
CREC	CREC-04	A	Day	June 19, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	1.35
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	294.00
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Callinassidae	Callinassa sp.	Zoea	1.35
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	2.70
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	63.39
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	2.70
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Majidae		Juvenile	1.35
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	33.72
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Paguridae	Pagurus sp.	Zoea	8.09
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	1.35
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Panopeidae		Zoea	31.02
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Panopeidae		Megalopae	35.06
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Pinnotheridae		Zoea	13.49
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Pinnotheridae		Megalopae	8.09
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	4.05
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Squillidae		Post-larval	1.35
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	14.83
CREC	CREC-04	A	Day	June 19, 2008	Holoplankton	Chaetognatha			6.74
CREC	CREC-04	A	Day	June 19, 2008	Holoplankton	Copepoda			74.17
CREC	CREC-04	A	Day	June 19, 2008	Meroplankton	Gastropoda			1.35
CREC	CREC-04	A	Day	June 19, 2008	Pseudoplankton/ Benthos	Amphipoda			6.74
CREC	CREC-04	A	Day	June 19, 2008	Pseudoplankton/ Benthos	Isopoda			4.05
CREC	CREC-04	A	Day	June 19, 2008	Pseudoplankton/ Benthos	Polychaeta			5.39
						Carangidae/ Haemulidae/ Sciaenidae/ Serranidae egg			
CREC	CREC-04	B	Day	June 19, 2008	Ichthyoplankton	complex		Egg	2.31
CREC	CREC-04	B	Day	June 19, 2008	Ichthyoplankton	Engraulidae		Egg	48.53
CREC	CREC-04	B	Day	June 19, 2008	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	2.31
CREC	CREC-04	B	Day	June 19, 2008	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	4.62
CREC	CREC-04	B	Day	June 19, 2008	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.16
CREC	CREC-04	B	Day	June 19, 2008	Ichthyoplankton	Carangidae	Oligoplites saurus	Post yolk-sac larvae	1.16
CREC	CREC-04	B	Day	June 19, 2008	Ichthyoplankton	Engraulidae		Post yolk-sac larvae	3.47
CREC	CREC-04	B	Day	June 19, 2008	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	1.16
CREC	CREC-04	B	Day	June 19, 2008	Ichthyoplankton	Gobiesocidae	Gobiesox strumosus	Post yolk-sac larvae	1.16
CREC	CREC-04	B	Day	June 19, 2008	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	1.16
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Anomura		Zoea	2.31
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	268.08

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Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	1.16
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Post-larval	1.16
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	1.16
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	86.67
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Juvenile	4.62
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	9.24
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Panopeidae		Zoea	24.27
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Panopeidae		Megalopae	27.73
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Penaeidae	Farfantepenaeus duorarum	Post-larval	2.31
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Pinnotheridae		Zoea	11.56
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Pinnotheridae		Megalopae	5.78
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	6.93
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	2.31
CREC	CREC-04	B	Day	June 19, 2008	Holoplankton	Chaetognatha			4.62
CREC	CREC-04	B	Day	June 19, 2008	Holoplankton	Copepoda			67.02
CREC	CREC-04	B	Day	June 19, 2008	Meroplankton	Cirripedia			6.93
CREC	CREC-04	B	Day	June 19, 2008	Pseudoplankton/ Benthos	Branchiura			1.16
CREC	CREC-04	B	Day	June 19, 2008	Pseudoplankton/ Benthos	Isopoda			1.16
CREC	CREC-04	B	Day	June 19, 2008	Pseudoplankton/ Benthos	Polychaeta			1.16
CREC	CREC-04	B	Day	June 19, 2008	Pseudoplankton/ Benthos	Pycnogonida			2.31
CREC	CREC-04	A	Night	June 19, 2008	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	9.82
CREC	CREC-04	A	Night	June 19, 2008	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	9.82
CREC	CREC-04	A	Night	June 19, 2008	Ichthyoplankton	Clupeidae	Brevoortia sp.	Post yolk-sac larvae	3.27
CREC	CREC-04	A	Night	June 19, 2008	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	68.75
CREC	CREC-04	A	Night	June 19, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	49.11
CREC	CREC-04	A	Night	June 19, 2008	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	6.55
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	157.15
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	484.53
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Zoea	13.10
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	536.91
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Juvenile	65.48
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Hippolytidae	Tozeuma sp.	Post-larval	13.10
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Paguridae	Pagurus sp.	Zoea	13.10
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Palaemonidae	Periclimenes sp.	Post-larval	104.76
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Palaemonidae	Periclimenes sp.	Juvenile	379.77
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Panopeidae		Zoea	2435.75
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Panopeidae		Megalopae	157.15
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Pinnotheridae		Zoea	117.86
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Pinnotheridae		Megalopae	170.24
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Porcellanidae		Megalopae	13.10
CREC	CREC-04	A	Night	June 19, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	65.48
CREC	CREC-04	A	Night	June 19, 2008	Holoplankton	Chaetognatha			2200.03
CREC	CREC-04	A	Night	June 19, 2008	Holoplankton	Copepoda			3483.39
CREC	CREC-04	A	Night	June 19, 2008	Holoplankton	Mysida			52.38
CREC	CREC-04	A	Night	June 19, 2008	Pseudoplankton/ Benthos	Amphipoda			2069.08
CREC	CREC-04	A	Night	June 19, 2008	Pseudoplankton/ Benthos	Branchiura			52.38
CREC	CREC-04	A	Night	June 19, 2008	Pseudoplankton/ Benthos	Cumacea			157.15
CREC	CREC-04	A	Night	June 19, 2008	Pseudoplankton/ Benthos	Isopoda			130.95
CREC	CREC-04	A	Night	June 19, 2008	Pseudoplankton/ Benthos	Ostracoda			759.54
CREC	CREC-04	A	Night	June 19, 2008	Pseudoplankton/ Benthos	Polychaeta			104.76
CREC	CREC-04	A	Night	June 19, 2008	Pseudoplankton/ Benthos	Pycnogonida			26.19
CREC	CREC-04	B	Night	June 19, 2008	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	19.33
CREC	CREC-04	B	Night	June 19, 2008	Ichthyoplankton	Atherinopsidae		Post yolk-sac larvae	110.81
CREC	CREC-04	B	Night	June 19, 2008	Ichthyoplankton	Dionotidae		Juvenile	1.29
CREC	CREC-04	B	Night	June 19, 2008	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	61.85
CREC	CREC-04	B	Night	June 19, 2008	Ichthyoplankton	Gerresidae		Post yolk-sac larvae	1.29
CREC	CREC-04	B	Night	June 19, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	7.73
CREC	CREC-04	B	Night	June 19, 2008	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	2.58
CREC	CREC-04	B	Night	June 19, 2008	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	2.58
CREC	CREC-04	B	Night	June 19, 2008	Ichthyoplankton	Hemiramphidae		Juvenile	2.58
CREC	CREC-04	B	Night	June 19, 2008	Ichthyoplankton	Sciaenidae	Bairdiella chrysoura	Post yolk-sac larvae	1.29
CREC	CREC-04	B	Night	June 19, 2008	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	1.29
CREC	CREC-04	B	Night	June 19, 2008	Ichthyoplankton	Syngnathidae	Syngnathus louisianae	Juvenile	1.29
CREC	CREC-04	B	Night	June 19, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1772.97
CREC	CREC-04	B	Night	June 19, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	164.93
CREC	CREC-04	B	Night	June 19, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Post-larval	3216.08
CREC	CREC-04	B	Night	June 19, 2008	Meroplankton	Hippolytidae	Hippolyte sp.	Juvenile	123.70
CREC	CREC-04	B	Night	June 19, 2008	Meroplankton	Hippolytidae	Tozeuma sp.	Post-larval	41.23
CREC	CREC-04	B	Night	June 19, 2008	Meroplankton	Loliginidae	Lolliguncula brevis	Juvenile	1.29
CREC	CREC-04	B	Night	June 19, 2008	Meroplankton	Palaemonidae	Palaemonetes sp.	Zoea	41.23
CREC	CREC-04	B	Night	June 19, 2008	Meroplankton	Palaemonidae	Periclimenes sp.	Juvenile	123.70
CREC	CREC-04	B	Night	June 19, 2008	Meroplankton	Panopeidae		Zoea	164.93
CREC	CREC-04	B	Night	June 19, 2008	Meroplankton	Panopeidae		Megalopae	494.78
CREC	CREC-04	B	Night	June 19, 2008	Meroplankton	Pinnotheridae		Zoea	41.23
CREC	CREC-04	B	Night	June 19, 2008	Meroplankton	Pinnotheridae		Megalopae	247.39
CREC	CREC-04	B	Night	June 19, 2008	Meroplankton	Portunidae	Callinectes sp.	Juvenile	41.23
CREC	CREC-04	B	Night	June 19, 2008	Holoplankton	Chaetognatha			1731.74
CREC	CREC-04	B	Night	June 19, 2008	Holoplankton	Copepoda			4659.19
CREC	CREC-04	B	Night	June 19, 2008	Holoplankton	Mysida			41.23
CREC	CREC-04	B	Night	June 19, 2008	Pseudoplankton/ Benthos	Amphipoda			494.78
CREC	CREC-04	B	Night	June 19, 2008	Pseudoplankton/ Benthos	Cumacea			247.39

B-5 CREC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CREC	CREC-04	B	Night	June 19, 2008	Pseudoplankton/ Benthos	Isopoda			82.46
CREC	CREC-04	B	Night	June 19, 2008	Pseudoplankton/ Benthos	Pycnogonida			41.23
CREC	CREC-04	A	Day	September 3-4, 2008	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	1.87
CREC	CREC-04	A	Day	September 3-4, 2008	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	1.87
CREC	CREC-04	A	Day	September 3-4, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	93.67
CREC	CREC-04	A	Day	September 3-4, 2008	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	3.75
CREC	CREC-04	A	Day	September 3-4, 2008	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	1.87
CREC	CREC-04	A	Day	September 3-4, 2008	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	1.87
CREC	CREC-04	A	Day	September 3-4, 2008	Ichthyoplankton	Sciaenidae	Menticirrhus americanus	Post yolk-sac larvae	1.87
CREC	CREC-04	A	Day	September 3-4, 2008	Ichthyoplankton	UnID		Yolk-sac larvae	20.61
CREC	CREC-04	A	Day	September 3-4, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	239.79
CREC	CREC-04	A	Day	September 3-4, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	224.80
CREC	CREC-04	A	Day	September 3-4, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	89.92
CREC	CREC-04	A	Day	September 3-4, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	59.95
CREC	CREC-04	A	Day	September 3-4, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	14.99
CREC	CREC-04	A	Day	September 3-4, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	14.99
CREC	CREC-04	A	Day	September 3-4, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	254.78
CREC	CREC-04	A	Day	September 3-4, 2008	Meroplankton	Palaemonidae	Palaemonetes spp.	Post-larval	14.99
CREC	CREC-04	A	Day	September 3-4, 2008	Meroplankton	Panopeidae		Zoea	3297.12
CREC	CREC-04	A	Day	September 3-4, 2008	Meroplankton	Pinnotheridae		Zoea	674.41
CREC	CREC-04	A	Day	September 3-4, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	224.80
CREC	CREC-04	A	Day	September 3-4, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	614.46
CREC	CREC-04	A	Day	September 3-4, 2008	Holoplankton	Chaetognatha			13.11
CREC	CREC-04	A	Day	September 3-4, 2008	Holoplankton	Copepoda			52.45
CREC	CREC-04	A	Day	September 3-4, 2008	Meroplankton	Gastropoda			1.87
CREC	CREC-04	A	Day	September 3-4, 2008	Pseudoplankton/ Benthos	Amphipoda			1.87
CREC	CREC-04	A	Day	September 3-4, 2008	Pseudoplankton/ Benthos	Polychaeta			5.62
CREC	CREC-04	B	Day	September 3-4, 2008	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	3.35
CREC	CREC-04	B	Day	September 3-4, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	15.09
CREC	CREC-04	B	Day	September 3-4, 2008	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	3.35
CREC	CREC-04	B	Day	September 3-4, 2008	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	1.68
CREC	CREC-04	B	Day	September 3-4, 2008	Ichthyoplankton	Sciaenidae	Menticirrhus spp.	Post yolk-sac larvae	1.68
CREC	CREC-04	B	Day	September 3-4, 2008	Ichthyoplankton	UnID		Yolk-sac larvae	1.68
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Alpheidae	Alpheus spp.	Zoea	53.66
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Zoea	429.31
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	375.65
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	268.32
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	160.99
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Hippolytidae	Tozeuma spp.	Post-larval	53.66
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Zoea	53.66
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Post-larval	53.66
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Adult	53.66
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	321.99
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	160.99
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Panopeidae		Zoea	2790.54
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Pinnotheridae		Zoea	268.32
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Pinnotheridae		Megalopae	107.33
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	3005.20
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	6278.72
CREC	CREC-04	B	Day	September 3-4, 2008	Holoplankton	Chaetognatha			31.86
CREC	CREC-04	B	Day	September 3-4, 2008	Holoplankton	Copepoda			40.25
CREC	CREC-04	B	Day	September 3-4, 2008	Meroplankton	Gastropoda			16.77
CREC	CREC-04	B	Day	September 3-4, 2008	Pseudoplankton/ Benthos	Amphipoda			3.35
CREC	CREC-04	A	Night	September 3-4, 2008	Ichthyoplankton	Achiridae	Achirus lineatus	Post yolk-sac larvae	5.83
CREC	CREC-04	A	Night	September 3-4, 2008	Ichthyoplankton	Blenniidae		Post yolk-sac larvae	3.89
CREC	CREC-04	A	Night	September 3-4, 2008	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	101.09
CREC	CREC-04	A	Night	September 3-4, 2008	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	3.89
CREC	CREC-04	A	Night	September 3-4, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	124.42
CREC	CREC-04	A	Night	September 3-4, 2008	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	1.94
CREC	CREC-04	A	Night	September 3-4, 2008	Ichthyoplankton	Gobiidae	Ctenogobius boleosoma	Post yolk-sac larvae	1.94
CREC	CREC-04	A	Night	September 3-4, 2008	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	17.50
CREC	CREC-04	A	Night	September 3-4, 2008	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	1.94
CREC	CREC-04	A	Night	September 3-4, 2008	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	54.43
CREC	CREC-04	A	Night	September 3-4, 2008	Ichthyoplankton	Sciaenidae	Cynoscion nebulosus	Post yolk-sac larvae	1.94
CREC	CREC-04	A	Night	September 3-4, 2008	Ichthyoplankton	Sciaenidae	Sciaenops ocellatus	Post yolk-sac larvae	7.78
CREC	CREC-04	A	Night	September 3-4, 2008	Ichthyoplankton	UnID		Yolk-sac larvae	15.55
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Albuneidae	Lepidopa spp.	Juvenile	124.42
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	248.83
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	622.08
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	2115.09
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Hippolytidae	Tozeuma spp.	Post-larval	248.83
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Adult	124.42
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	124.42
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	124.42
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Panopeidae		Zoea	1990.67
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Panopeidae		Megalopae	248.83
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Pinnotheridae		Zoea	746.50
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Pinnotheridae		Megalopae	373.25
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	248.83
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	26998.44
CREC	CREC-04	A	Night	September 3-4, 2008	Holoplankton	Chaetognatha			93.31

B-5 CREC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CREC	CREC-04	A	Night	September 3-4, 2008	Holoplankton	Copepoda			3421.46
CREC	CREC-04	A	Night	September 3-4, 2008	Holoplankton	Mysida			2332.81
CREC	CREC-04	A	Night	September 3-4, 2008	Meroplankton	Gastropoda			62.21
CREC	CREC-04	A	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Amphipoda			186.63
CREC	CREC-04	A	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Cumacea			217.73
CREC	CREC-04	A	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Isopoda			31.10
CREC	CREC-04	A	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Nudibranchia			31.10
CREC	CREC-04	A	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Ostracoda			31.10
CREC	CREC-04	A	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Polychaeta			31.10
CREC	CREC-04	B	Night	September 3-4, 2008	Ichthyoplankton	Engraulidae	Anchoa mitchilli	Post yolk-sac larvae	74.32
CREC	CREC-04	B	Night	September 3-4, 2008	Ichthyoplankton	Gerreidae		Post yolk-sac larvae	1.86
CREC	CREC-04	B	Night	September 3-4, 2008	Ichthyoplankton	Gobiidae		Post yolk-sac larvae	92.90
CREC	CREC-04	B	Night	September 3-4, 2008	Ichthyoplankton	Gobiidae	Bathygobius soporator	Post yolk-sac larvae	1.86
CREC	CREC-04	B	Night	September 3-4, 2008	Ichthyoplankton	Gobiidae	Gobiosoma bosc	Post yolk-sac larvae	1.86
CREC	CREC-04	B	Night	September 3-4, 2008	Ichthyoplankton	Gobiidae	Microgobius gulosus	Post yolk-sac larvae	13.01
CREC	CREC-04	B	Night	September 3-4, 2008	Ichthyoplankton	Gobiidae	Microgobius thalassinus	Post yolk-sac larvae	22.30
CREC	CREC-04	B	Night	September 3-4, 2008	Ichthyoplankton	Sciaenidae	Menticirrhus spp.	Post yolk-sac larvae	1.86
CREC	CREC-04	B	Night	September 3-4, 2008	Ichthyoplankton	Sciaenidae	Sciaenops ocellatus	Post yolk-sac larvae	3.72
CREC	CREC-04	B	Night	September 3-4, 2008	Ichthyoplankton	Triglidae		Post yolk-sac larvae	1.86
CREC	CREC-04	B	Night	September 3-4, 2008	Ichthyoplankton	UnID		Yolk-sac larvae	1.86
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	891.86
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Caridea	Periclimenes/Thor complex	Zoea	59.46
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	1189.15
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	118.91
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Hippolytidae	Tozeuma spp.	Post-larval	59.46
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	59.46
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	59.46
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Panopeidae		Zoea	178.37
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Panopeidae		Megalopae	594.57
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Penaeidae	Farfantepenaeus aztecus	Post-larval	59.46
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Pinnotheridae		Zoea	59.46
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Pinnotheridae		Megalopae	237.83
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	356.74
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	9751.02
CREC	CREC-04	B	Night	September 3-4, 2008	Holoplankton	Chaetognatha			178.37
CREC	CREC-04	B	Night	September 3-4, 2008	Holoplankton	Copepoda			713.49
CREC	CREC-04	B	Night	September 3-4, 2008	Holoplankton	Euphausiacea			208.10
CREC	CREC-04	B	Night	September 3-4, 2008	Holoplankton	Mysida			2705.31
CREC	CREC-04	B	Night	September 3-4, 2008	Meroplankton	Gastropoda			118.91
CREC	CREC-04	B	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Amphipoda			148.64
CREC	CREC-04	B	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Cumacea			118.91
CREC	CREC-04	B	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Isopoda			118.91
CREC	CREC-04	B	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Ostracoda			29.73
CREC	CREC-04	B	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Polychaeta			59.46
CREC	CREC-04	B	Night	September 3-4, 2008	Pseudoplankton/ Benthos	Pycnogonida			29.73
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1.65
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	9.90
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	21.45
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	13.20
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Hippolytidae	Tozeuma spp.	Zoea	1.65
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Juvenile	1.65
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Menippidae	Menippe mercenaria	Zoea	1.65
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Paguridae	Pagurus spp.	Zoea	4.95
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	28.04
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Palaemonidae	Palaemonetes spp.	Post-larval	1.65
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Panopeidae		Zoea	19.80
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Pinnotheridae		Zoea	54.44
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Pinnotheridae		Juvenile	1.65
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Porcellanidae	Polyonyx gibbesi	Zoea	11.55
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	1.65
CREC	CREC-04	A	Day	November 13, 2008	Holoplankton	Chaetognatha			2481.03
CREC	CREC-04	A	Day	November 13, 2008	Holoplankton	Copepoda			369.52
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Cirripedia			65.98
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Gastropoda			13.20
CREC	CREC-04	A	Day	November 13, 2008	Meroplankton	Tunicata			39.59
CREC	CREC-04	A	Day	November 13, 2008	Pseudoplankton/ Benthos	Collembola			13.20
CREC	CREC-04	A	Day	November 13, 2008	Pseudoplankton/ Benthos	Amphipoda			26.39
CREC	CREC-04	A	Day	November 13, 2008	Pseudoplankton/ Benthos	Branchiura			13.20
CREC	CREC-04	B	Day	November 13, 2008	Meroplankton	Brachyura	Armases/Sesarma/Uca complex	Megalopae	1.62
CREC	CREC-04	B	Day	November 13, 2008	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	1.62
CREC	CREC-04	B	Day	November 13, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	17.81
CREC	CREC-04	B	Day	November 13, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Post-larval	1.62
CREC	CREC-04	B	Day	November 13, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Juvenile	1.62
CREC	CREC-04	B	Day	November 13, 2008	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	8.10
CREC	CREC-04	B	Day	November 13, 2008	Meroplankton	Panopeidae		Zoea	4.86
CREC	CREC-04	B	Day	November 13, 2008	Meroplankton	Penaeidae	Farfantepenaeus duorarum	Post-larval	1.62
CREC	CREC-04	B	Day	November 13, 2008	Meroplankton	Pinnotheridae		Zoea	45.34
CREC	CREC-04	B	Day	November 13, 2008	Holoplankton	Chaetognatha			2059.92
CREC	CREC-04	B	Day	November 13, 2008	Holoplankton	Copepoda			453.44
CREC	CREC-04	B	Day	November 13, 2008	Meroplankton	Cirripedia			25.91
CREC	CREC-04	B	Day	November 13, 2008	Meroplankton	Gastropoda			51.82

B-5 CREC Plankton Data

Site	Station	Replicate	Day or Night	Date	Plankton Type	Taxon	Genus Species	Developmental Stage	Density (#/100 cubic meters)
CREC	CREC-04	B	Day	November 13, 2008	Pseudoplankton/ Benthos	Collembola			12.96
CREC	CREC-04	B	Day	November 13, 2008	Pseudoplankton/ Benthos	Isopoda			12.96
CREC	CREC-04	B	Day	November 13, 2008	Pseudoplankton/ Benthos	Polychaeta			116.60
CREC	CREC-04	B	Day	November 13, 2008	Pseudoplankton/ Benthos	Pycnogonida			12.96
CREC	CREC-04	A	Night	November 13, 2008	Meroplankton	Luciferidae	Lucifer faxoni	Adult	1.54
CREC	CREC-04	A	Night	November 13, 2008	Meroplankton	Majidae		Zoea	1.54
CREC	CREC-04	A	Night	November 13, 2008	Meroplankton	Panopeidae		Zoea	7.68
CREC	CREC-04	A	Night	November 13, 2008	Meroplankton	Pinnotheridae		Zoea	6.15
CREC	CREC-04	A	Night	November 13, 2008	Meroplankton	UnID Caridea		Zoea	3.07
CREC	CREC-04	A	Night	November 13, 2008	Holoplankton	Chaetognatha			816.04
CREC	CREC-04	A	Night	November 13, 2008	Holoplankton	Copepoda			333.49
CREC	CREC-04	A	Night	November 13, 2008	Meroplankton	Cirripedia			1.54
CREC	CREC-04	A	Night	November 13, 2008	Pseudoplankton/ Benthos	Amphipoda			78.38
CREC	CREC-04	A	Night	November 13, 2008	Pseudoplankton/ Benthos	Cumacea			18.44
CREC	CREC-04	A	Night	November 13, 2008	Pseudoplankton/ Benthos	Isopoda			7.68
CREC	CREC-04	A	Night	November 13, 2008	Pseudoplankton/ Benthos	Ostracoda			4.61
CREC	CREC-04	A	Night	November 13, 2008	Pseudoplankton/ Benthos	Polychaeta			12.29
CREC	CREC-04	A	Night	November 13, 2008	Pseudoplankton/ Benthos	Pycnogonida			3.07
CREC	CREC-04	B	Night	November 13, 2008	Meroplankton	Caridea	Alpheus/Periclimenes/Thor complex	Zoea	1.81
CREC	CREC-04	B	Night	November 13, 2008	Meroplankton	Hippolytidae	Hippolyte spp.	Zoea	1.81
CREC	CREC-04	B	Night	November 13, 2008	Meroplankton	Palaemonidae	Palaemonetes spp.	Zoea	3.63
CREC	CREC-04	B	Night	November 13, 2008	Meroplankton	Panopeidae		Zoea	9.07
CREC	CREC-04	B	Night	November 13, 2008	Meroplankton	Pinnotheridae		Zoea	19.96
CREC	CREC-04	B	Night	November 13, 2008	Meroplankton	Upogebiidae	Upogebia affinis	Zoea	1.81
CREC	CREC-04	B	Night	November 13, 2008	Holoplankton	Chaetognatha			743.83
CREC	CREC-04	B	Night	November 13, 2008	Holoplankton	Copepoda			174.17
CREC	CREC-04	B	Night	November 13, 2008	Meroplankton	Cirripedia			3.63
CREC	CREC-04	B	Night	November 13, 2008	Pseudoplankton/ Benthos	Amphipoda			50.80
CREC	CREC-04	B	Night	November 13, 2008	Pseudoplankton/ Benthos	Cumacea			10.89
CREC	CREC-04	B	Night	November 13, 2008	Pseudoplankton/ Benthos	Isopoda			3.63
CREC	CREC-04	B	Night	November 13, 2008	Pseudoplankton/ Benthos	Polychaeta			10.89

B-6

CREC Fish Data

B-6 CREC Fish Data

Equipment Type	Site	Station	Date	Common Name	Organism Name	Number Collected	Catch per Unit Effort
Beach Seine	CREC	CREC-03	02-May-08	Goldspotted killifish	Floridichthys carpio	75	37.5
Beach Seine	CREC	CREC-03	02-May-08	Longnose killifish	Fundulus similis	8	4.0
Beach Seine	CREC	CREC-03	02-May-08	Marsh killifish	Fundulus confluentus	1	0.5
Beach Seine	CREC	CREC-03	02-May-08	Tidewater mojarra	Eucinostomus harengulus	14	7.0
Beach Seine	CREC	CREC-03	23-Jul-08	Goldspotted killifish	Floridichthys carpio	14	14.0
Beach Seine	CREC	CREC-03	23-Jul-08	Gulf killifish	Fundulus grandis	2	2.0
Beach Seine	CREC	CREC-03	23-Jul-08	Leatherjacket	Oligoplites saurus	1	1.0
Beach Seine	CREC	CREC-03	23-Jul-08	Longnose killifish	Fundulus similis	37	37.0
Beach Seine	CREC	CREC-03	23-Jul-08	Tidewater mojarra	Eucinostomus harengulus	24	24.0
Beach Seine	CREC	CREC-03	23-Jul-08	Tidewater silverside	Menidia peninsulae	7	7.0
Beach Seine	CREC	CREC-03	05-Aug-08	Goldspotted killifish	Floridichthys carpio	4	1.3
Beach Seine	CREC	CREC-03	05-Aug-08	Leatherjacket	Oligoplites saurus	3	1.0
Beach Seine	CREC	CREC-03	05-Aug-08	Spotfin Mojarra	Eucinostomus argenteus	70	23.3
Beach Seine	CREC	CREC-03	05-Aug-08	Tidewater silverside	Menidia peninsulae	106	35.3
Beach Seine	CREC	CREC-03	03-Sep-08	Atlantic needlefish	Strongylura marina	2	0.7
Beach Seine	CREC	CREC-03	03-Sep-08	Halfbeak	Hemiramphus sp.	3	1.0
Beach Seine	CREC	CREC-03	03-Sep-08	Longnose killifish	Fundulus similis	9	3.0
Beach Seine	CREC	CREC-03	03-Sep-08	Redfin needlefish	Strongylura notata	2	0.7
Beach Seine	CREC	CREC-03	03-Sep-08	Sheepshead minnow	Cyprinodon variegatus	60	20.0
Beach Seine	CREC	CREC-03	03-Sep-08	White mullet	Mugil curema	15	5.0
Beach Seine	CREC	CREC-03	11-Nov-08	Goldspotted killifish	Floridichthys carpio	192	96.0
Beach Seine	CREC	CREC-03	11-Nov-08	Gulf killifish	Fundulus grandis	2	1.0
Beach Seine	CREC	CREC-03	11-Nov-08	Longnose killifish	Fundulus similis	1	0.5
Beach Seine	CREC	CREC-03	11-Nov-08	Redfin needlefish	Strongylura notata	1	0.5
Beach Seine	CREC	CREC-03	11-Nov-08	Spotfin Mojarra	Eucinostomus argenteus	10	5.0
Beach Seine	CREC	CREC-03	11-Nov-08	White mullet	Mugil curema	1	0.5
Cast Net	CREC	CREC-03	18-Apr-08	Striped mullet	Mugil cephalus	5	3.1
Cast Net	CREC	CREC-03	18-Apr-08	White mullet	Mugil curema	11	6.9
Cast Net	CREC	CREC-03	10-Jun-08	Striped mullet	Mugil cephalus	3	1.5
Cast Net	CREC	CREC-03	10-Jun-08	White mullet	Mugil curema	2	1.0
Cast Net	CREC	CREC-03	11-Jun-08	Black drum	Pogonias cromis	1	0.5
Cast Net	CREC	CREC-03	11-Jun-08	Gray snapper	Lutjanus griseus	1	0.5
Cast Net	CREC	CREC-03	11-Jun-08	Sheepshead	Archosargus probatocephalus	1	0.5
Cast Net	CREC	CREC-03	28-Aug-08	Atlantic silverstripe halfbeak	Hyporhamphus unifasciatus	7	3.5
Cast Net	CREC	CREC-03	28-Aug-08	Pinfish	Lagodon rhomboides	1	0.5
Cast Net	CREC	CREC-03	28-Aug-08	Striped mullet	Mugil cephalus	9	4.5
Cast Net	CREC	CREC-03	11-Nov-08	Red drum	Sciaenops ocellatus	1	0.3
Cast Net	CREC	CREC-03	11-Nov-08	Striped mullet	Mugil cephalus	4	1.0
Cast Net	CREC	CREC-03	11-Nov-08	White mullet	Mugil curema	7	1.8
Cast Net	CREC	CREC-03	12-Nov-08	Crevalle jack	Caranx hippos	1	0.3
Gill Net	CREC	CREC-03	02-May-08	Atlantic spadefish	Chaetodipterus faber	1	3.3
Gill Net	CREC	CREC-03	02-May-08	Black drum	Pogonias cromis	1	3.3
Gill Net	CREC	CREC-03	02-May-08	Bull shark	Carcharhinus leucas	1	3.3
Gill Net	CREC	CREC-03	02-May-08	Hardhead catfish	Ariopsis felis	1	3.3
Gill Net	CREC	CREC-03	05-Aug-08	Black drum	Pogonias cromis	9	31.8
Gill Net	CREC	CREC-03	05-Aug-08	Pinfish	Lagodon rhomboides	1	3.5
Gill Net	CREC	CREC-03	05-Aug-08	Sheepshead	Archosargus probatocephalus	2	7.1
Gill Net	CREC	CREC-03	12-Nov-08	Atlantic spadefish	Chaetodipterus faber	1	6.0
Gill Net	CREC	CREC-03	12-Nov-08	Atlantic stingray	Dasyatis sabina	1	6.0
Gill Net	CREC	CREC-03	12-Nov-08	Spinner shark	Carcharhinus brevipinna	4	24.0
Gill Net	CREC	CREC-03	12-Nov-08	Spotted eagle ray	Aetobatus narinari	2	12.0
Minnow Trap	CREC	CREC-03	04-Sep-08	Naked goby	Gobiosoma bosc	1	0.1
Minnow Trap	CREC	CREC-03	12-Nov-08	Spotfin Mojarra	Eucinostomus argenteus	1	0.2
Trawl	CREC	CREC-03	17-Apr-08	Hardhead catfish	Ariopsis felis	4	4.0
Trawl	CREC	CREC-03	17-Apr-08	Lane snapper	Lutjanus synagris	2	2.0
Trawl	CREC	CREC-03	11-Jun-08	Gray snapper	Lutjanus griseus	1	0.5
Trawl	CREC	CREC-03	11-Jun-08	Pigfish	Orthopristis chrysoptera	3	1.5
Trawl	CREC	CREC-03	11-Jun-08	Silver perch	Bairdiella chrysoura	1	0.5
Trawl	CREC	CREC-03	28-Aug-08	Gray snapper	Lutjanus griseus	1	0.3
Trawl	CREC	CREC-03	28-Aug-08	Hardhead catfish	Ariopsis felis	1	0.3
Trawl	CREC	CREC-03	28-Aug-08	Spotfin Mojarra	Eucinostomus argenteus	3	1.0

B-6 CREC Fish Data

Equipment Type	Site	Station	Date	Common Name	Organism Name	Number Collected	Catch per Unit Effort
Trawl	CREC	CREC-03	10-Nov-08	Common snook	Centropomus undecimalis	1	0.5
Cast Net	CREC	CREC-04	18-Apr-08	Atlantic needlefish	Strongylura marina	1	0.5
Cast Net	CREC	CREC-04	18-Apr-08	Sheepshead	Archosargus probatocephalus	1	0.5
Cast Net	CREC	CREC-04	18-Apr-08	Striped burrfish	Chilomycterus schoepfi	1	0.5
Cast Net	CREC	CREC-04	18-Apr-08	Striped mullet	Mugil cephalus	2	0.9
Cast Net	CREC	CREC-04	13-Jun-08	Atlantic bumper	Chloroscombrus chrysurus	4	2.0
Cast Net	CREC	CREC-04	13-Jun-08	Blue runner	Caranx crysos	4	2.0
Cast Net	CREC	CREC-04	13-Jun-08	Gray snapper	Lutjanus griseus	1	0.5
Cast Net	CREC	CREC-04	13-Jun-08	Pigfish	Orthopristis chrysoptera	1	0.5
Cast Net	CREC	CREC-04	13-Jun-08	Spanish mackerel	Scomberomorus maculatus	1	0.5
Cast Net	CREC	CREC-04	13-Jun-08	Striped mullet	Mugil cephalus	3	1.5
Cast Net	CREC	CREC-04	13-Jun-08	White mullet	Mugil curema	1	0.5
Cast Net	CREC	CREC-04	27-Aug-08	Common mojarra	Eucinostomus gula	1	0.5
Cast Net	CREC	CREC-04	27-Aug-08	Gray snapper	Lutjanus griseus	1	0.5
Cast Net	CREC	CREC-04	27-Aug-08	Polka-dot batfish	Ocgocephalus cubifrons	1	0.5
Cast Net	CREC	CREC-04	27-Aug-08	Sheepshead	Archosargus probatocephalus	1	0.5
Cast Net	CREC	CREC-04	27-Aug-08	Striped mullet	Mugil cephalus	2	1.0
Cast Net	CREC	CREC-04	12-Nov-08	Pinfish	Lagodon rhomboides	3	1.5
Cast Net	CREC	CREC-04	12-Nov-08	Spotfin Mojarra	Eucinostomus argenteus	2	1.0
Cast Net	CREC	CREC-04	12-Nov-08	Striped mullet	Mugil cephalus	2	1.0
Gill Net	CREC	CREC-04	01-May-08	Gafftopsail catfish	Bagre marinus	1	3.4
Gill Net	CREC	CREC-04	01-May-08	Hardhead catfish	Ariopsis felis	1	3.4
Gill Net	CREC	CREC-04	05-Aug-08	Atlantic spadefish	Chaetodipterus faber	1	1.4
Gill Net	CREC	CREC-04	05-Aug-08	Atlantic thread herring	Opisthonema oglinum	2	2.8
Gill Net	CREC	CREC-04	05-Aug-08	Black drum	Pogonias cromis	1	1.4
Gill Net	CREC	CREC-04	05-Aug-08	Blacktip shark	Carcharhinus limbatus	4	5.6
Gill Net	CREC	CREC-04	05-Aug-08	Cownose ray	Rhinoptera bonasus	3	4.2
Gill Net	CREC	CREC-04	05-Aug-08	Crevalle jack	Caranx hippos	1	1.4
Gill Net	CREC	CREC-04	05-Aug-08	Gafftopsail catfish	Bagre marinus	4	5.6
Gill Net	CREC	CREC-04	05-Aug-08	Hardhead catfish	Ariopsis felis	10	14.0
Gill Net	CREC	CREC-04	05-Aug-08	Southern stingray	Dasyatis americana	1	1.4
Gill Net	CREC	CREC-04	05-Aug-08	Spotted eagle ray	Aetobatus narinari	1	1.4
Gill Net	CREC	CREC-04	03-Sep-08	Atlantic stingray	Dasyatis sabina	1	1.4
Gill Net	CREC	CREC-04	03-Sep-08	Longnose gar	Lepisosteus osseus	1	1.4
Gill Net	CREC	CREC-04	03-Sep-08	Spanish mackerel	Scomberomorus maculatus	1	1.4
Gill Net	CREC	CREC-04	04-Sep-08	Pinfish	Lagodon rhomboides	3	4.2
Gill Net	CREC	CREC-04	04-Sep-08	Red drum	Sciaenops ocellatus	1	1.4
Gill Net	CREC	CREC-04	13-Nov-08	Atlantic spadefish	Chaetodipterus faber	1	3.4
Gill Net	CREC	CREC-04	13-Nov-08	Atlantic thread herring	Opisthonema oglinum	8	27.4
Gill Net	CREC	CREC-04	13-Nov-08	Blacktip shark	Carcharhinus limbatus	3	10.3
Gill Net	CREC	CREC-04	13-Nov-08	Bonnethead shark	Sphyrna tiburo	1	3.4
Gill Net	CREC	CREC-04	13-Nov-08	Ladyfish	Elops saurus	1	3.4
Gill Net	CREC	CREC-04	13-Nov-08	Pinfish	Lagodon rhomboides	6	20.6
Gill Net	CREC	CREC-04	13-Nov-08	Puffers	Sphoeroides sp.	1	3.4
Gill Net	CREC	CREC-04	13-Nov-08	Silver perch	Bairdiella chrysoura	2	6.9
Gill Net	CREC	CREC-04	13-Nov-08	Spanish mackerel	Scomberomorus maculatus	3	10.3
Gill Net	CREC	CREC-04	13-Nov-08	Spinner shark	Carcharhinus brevipinna	1	3.4
Gill Net	CREC	CREC-04	13-Nov-08	Spotted seatrout	Cynoscion nebulosus	2	6.9
Gill Net	CREC	CREC-04	13-Nov-08	Yellowfin menhaden	Brevoortia smithi	17	58.3
Minnow Trap	CREC	CREC-04	02-May-08	Gulf toadfish	Opsanus beta	1	0.1
Minnow Trap	CREC	CREC-04	02-May-08	Pigfish	Orthopristis chrysoptera	3	0.3
Minnow Trap	CREC	CREC-04	02-May-08	Pinfish	Lagodon rhomboides	5	0.4
Minnow Trap	CREC	CREC-04	02-May-08	Silver perch	Bairdiella chrysoura	1	0.1
Minnow Trap	CREC	CREC-04	13-Jun-08	Florida blenny	Chasmodes saburrae	1	0.1
Minnow Trap	CREC	CREC-04	13-Jun-08	Pigfish	Orthopristis chrysoptera	4	0.4
Minnow Trap	CREC	CREC-04	13-Jun-08	Pinfish	Lagodon rhomboides	7	0.6
Minnow Trap	CREC	CREC-04	13-Jun-08	Silver perch	Bairdiella chrysoura	1	0.1
Minnow Trap	CREC	CREC-04	11-Nov-08	Goby	Gobiidae	2	0.4
Trawl	CREC	CREC-04	17-Apr-08	Pigfish	Orthopristis chrysoptera	1	0.5
Trawl	CREC	CREC-04	17-Apr-08	Pinfish	Lagodon rhomboides	41	20.5

B-6 CREC Fish Data

Equipment Type	Site	Station	Date	Common Name	Organism Name	Catch per	
						Number Collected	Unit Effort
Trawl	CREC	CREC-04	17-Apr-08	Plainhead filefish	Monacanthus hispidus	1	0.5
Trawl	CREC	CREC-04	17-Apr-08	Polka-dot batfish	Ocgocephalus cubifrons	1	0.5
Trawl	CREC	CREC-04	17-Apr-08	Scrawled cowfish	Lactophrys quadricornis	1	0.5
Trawl	CREC	CREC-04	17-Apr-08	Silver perch	Bairdiella chrysoura	11	5.5
Trawl	CREC	CREC-04	11-Jun-08	Pigfish	Orthopristis chrysoptera	3	1.5
Trawl	CREC	CREC-04	11-Jun-08	Pinfish	Lagodon rhomboides	9	4.5
Trawl	CREC	CREC-04	11-Jun-08	Silver perch	Bairdiella chrysoura	14	7.0
Trawl	CREC	CREC-04	11-Jun-08	Spot	Leiostomus xanthurus	3	1.5
Trawl	CREC	CREC-04	27-Aug-08	Atlantic bumper	Chloroscombrus chrysurus	25	12.5
Trawl	CREC	CREC-04	27-Aug-08	Atlantic croaker	Micropogonias undulatus	2	1.0
Trawl	CREC	CREC-04	27-Aug-08	Atlantic spadefish	Chaetodipterus faber	1	0.5
Trawl	CREC	CREC-04	27-Aug-08	Bay anchovy	Anchoa mitchilli	1	0.5
Trawl	CREC	CREC-04	27-Aug-08	Gulf flounder	Paralichthys albigutta	1	0.5
Trawl	CREC	CREC-04	27-Aug-08	Lookdown	Selene vomer	1	0.5
Trawl	CREC	CREC-04	27-Aug-08	Pigfish	Orthopristis chrysoptera	15	7.5
Trawl	CREC	CREC-04	27-Aug-08	Pinfish	Lagodon rhomboides	14	7.0
Trawl	CREC	CREC-04	27-Aug-08	Sand seatrout	Cynoscion arenarius	4	2.0
Trawl	CREC	CREC-04	27-Aug-08	Silver perch	Bairdiella chrysoura	118	59.0
Trawl	CREC	CREC-04	27-Aug-08	Spotfin Mojarra	Eucinostomus argenteus	9	4.5
Trawl	CREC	CREC-04	27-Aug-08	Spotted seatrout	Cynoscion nebulosus	3	1.5
Trawl	CREC	CREC-04	10-Nov-08	Pigfish	Orthopristis chrysoptera	1	0.5
Trawl	CREC	CREC-04	10-Nov-08	Pinfish	Lagodon rhomboides	3	1.5
Trawl	CREC	CREC-04	10-Nov-08	Spotfin Mojarra	Eucinostomus argenteus	89	44.5
Trawl	CREC	CREC-04	11-Nov-08	Silver perch	Bairdiella chrysoura	2	1.0

Appendix C

Old Withlacoochee River Analytical and Biological Source Data

C-1
OWR Sediment Chemistry Data

C-1 Old Withlacoochee River Sediment Data

Site	Station	Replicate	Date	Note	Parameter	Value	Qualifier	Units
OWR	CFBC-08A	1	07/09/08 11:30		Total Organic Carbon	9700	=	mg/Kg
OWR	CFBC-08A	1	07/09/08 11:30		GRAVEL	20.3	=	%
OWR	CFBC-08A	1	07/09/08 11:30		COARSE SAND	3.2	=	%
OWR	CFBC-08A	1	07/09/08 11:30		MEDIUM SAND	1.1	=	%
OWR	CFBC-08A	1	07/09/08 11:30		FINE SAND	29	=	%
OWR	CFBC-08A	1	07/09/08 11:30		SILT	47.1	=	%
OWR	CFBC-08A	1	07/09/08 11:30		CLAY	-0.7	=	%
OWR	CFBC-08B	2	07/09/08 10:30		Total Organic Carbon	54000	=	mg/Kg
OWR	CFBC-08B	2	07/09/08 10:30		GRAVEL	20.5	=	%
OWR	CFBC-08B	2	07/09/08 10:30		COARSE SAND	8.8	=	%
OWR	CFBC-08B	2	07/09/08 10:30		MEDIUM SAND	7.9	=	%
OWR	CFBC-08B	2	07/09/08 10:30		FINE SAND	7.7	=	%
OWR	CFBC-08B	2	07/09/08 10:30		SILT	52.7	=	%
OWR	CFBC-08B	2	07/09/08 10:30		CLAY	2.5	=	%
OWR	CFBC-08C	3	07/09/08 12:45		Total Organic Carbon	35000	=	mg/Kg
OWR	CFBC-08C	3	07/09/08 12:45		GRAVEL	12.9	=	%
OWR	CFBC-08C	3	07/09/08 12:45		COARSE SAND	14.2	=	%
OWR	CFBC-08C	3	07/09/08 12:45		MEDIUM SAND	4.3	=	%
OWR	CFBC-08C	3	07/09/08 12:45		FINE SAND	40.4	=	%
OWR	CFBC-08C	3	07/09/08 12:45		SILT	27.9	=	%
OWR	CFBC-08C	3	07/09/08 12:45		CLAY	0.3	=	%
OWR	CFBC-09A	1	06/20/08 16:15		Total Organic Carbon	45000	=	mg/Kg
OWR	CFBC-09A	1	06/20/08 16:15		GRAVEL	6.9	=	%
OWR	CFBC-09A	1	06/20/08 16:15		COARSE SAND	3.2	=	%
OWR	CFBC-09A	1	06/20/08 16:15		MEDIUM SAND	8.3	=	%
OWR	CFBC-09A	1	06/20/08 16:15		FINE SAND	57.7	=	%
OWR	CFBC-09A	1	06/20/08 16:15		SILT	20.3	=	%
OWR	CFBC-09A	1	06/20/08 16:15		CLAY	3.6	=	%
OWR	CFBC-09C	3	06/20/08 17:05		Total Organic Carbon	63000	=	mg/Kg
OWR	CFBC-09C	3	06/20/08 17:05		GRAVEL	34.6	=	%
OWR	CFBC-09C	3	06/20/08 17:05		COARSE SAND	6.2	=	%
OWR	CFBC-09C	3	06/20/08 17:05		MEDIUM SAND	15.7	=	%
OWR	CFBC-09C	3	06/20/08 17:05		FINE SAND	31.5	=	%
OWR	CFBC-09C	3	06/20/08 17:05		SILT	8.9	=	%
OWR	CFBC-09C	3	06/20/08 17:05		CLAY	3.3	=	%
OWR	CFBC-10A	1	06/20/08 14:30		Total Organic Carbon	40000	=	mg/Kg
OWR	CFBC-10A	1	06/20/08 14:30		GRAVEL	2.3	=	%
OWR	CFBC-10A	1	06/20/08 14:30		COARSE SAND	1.3	=	%
OWR	CFBC-10A	1	06/20/08 14:30		MEDIUM SAND	3.9	=	%
OWR	CFBC-10A	1	06/20/08 14:30		FINE SAND	46.1	=	%
OWR	CFBC-10A	1	06/20/08 14:30		SILT	44.5	=	%
OWR	CFBC-10A	1	06/20/08 14:30		CLAY	1.8	=	%
OWR	CFBC-10C	3	06/20/08 15:45		Total Organic Carbon	31000	J	mg/Kg
OWR	CFBC-10C	3	06/20/08 15:45		GRAVEL	9.4	=	%
OWR	CFBC-10C	3	06/20/08 15:45		COARSE SAND	9.8	=	%
OWR	CFBC-10C	3	06/20/08 15:45		MEDIUM SAND	35.6	=	%
OWR	CFBC-10C	3	06/20/08 15:45		FINE SAND	34.8	=	%
OWR	CFBC-10C	3	06/20/08 15:45		SILT	10.1	=	%
OWR	CFBC-10C	3	06/20/08 15:45		CLAY	0.3	=	%

C-1 Old Withlacoochee River Sediment Data

Site	Station	Replicate	Date	Note	Parameter	Value	Qualifier	Units
OWR	CFBC-10C	3	06/20/08 14:55	Field Dup	Total Organic Carbon	16000 J		mg/Kg
OWR	CFBC-10C	3	06/20/08 14:55	Field Dup	GRAVEL	7.3 =		%
OWR	CFBC-10C	3	06/20/08 14:55	Field Dup	COARSE SAND	11.1 =		%
OWR	CFBC-10C	3	06/20/08 14:55	Field Dup	MEDIUM SAND	33.5 =		%
OWR	CFBC-10C	3	06/20/08 14:55	Field Dup	FINE SAND	34.3 =		%
OWR	CFBC-10C	3	06/20/08 14:55	Field Dup	SILT	13.6 =		%
OWR	CFBC-10C	3	06/20/08 14:55	Field Dup	CLAY	0.2 =		%

C-2

OWR Surface Water Field Parameter Data

C-2 Field Sampling Data at Old Withlacoochee River Station – CFBC-08

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temp (°C)	DO (mg/L)	DO Percent Saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi depth (m)	Total Depth (m)
8	WITH	6/4/2008	15:27	0.15	29.03	4.86	66.9	0.34	0.16	7.75		2.2
8	WITH	6/4/2008	15:27	1.00	28.52	3.80	49.6	0.59	0.23	7.68		
8	WITH	6/4/2008	15:27	2.00	28.69	4.47	59.8	11.76	6.74	7.20		
8	WITH	6/4/2008	15:49	0.15	29.11	3.62	47.7	0.44	0.21	7.61		3.3
8	WITH	6/4/2008	15:50	1.00	28.68	3.57	36.4	1.61	0.81	7.46		
8	WITH	6/4/2008	15:51	2.00	28.97	5.11	66.3	15.57	9.02	7.30		
8	WITH	6/4/2008	15:52	3.00	28.87	4.08	57.6	16.89	9.88	7.28		
8	WITH	6/25/2008	14:23	0.15	29.05	5.42	72.4	0.878	0.43	7.72	1.84	2.35
8	WITH	6/25/2008	14:25	1	29.04	4.47	58.3	0.963	0.47	7.67		
8	WITH	6/25/2008	14:25	2	29.32	1.93	27	20.58	12.25	6.96		
8	WITH	8/27/2008	12:40	0.15	28.05	8.96	114.4	0.339	0.16	8.35	1.19	
8	WITH	8/27/2008	12:40	1	28.05	8.88	113.6	0.339	0.16	8.37		
8	WITH	8/27/2008	12:40	2	28.04	8.82	112.9	0.339	0.16	8.4		
8	WITH	8/27/2008	12:40	3	28.04	8.78	112.4	0.39	0.16	8.42		

Notes:

m = meters

mg/L = milligrams/liter

mS/cm = milli Siemens/centimeter

ppt = parts per thousand

Temp = temperature

Cond = conductivity

°C = degrees Celsius

Blank = no data

WITH = Old Withlacoochee River Segment

C-2 Field Sampling Data at Old Withlacoochee River Station – CFBC-09

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temp (°C)	DO (mg/L)	DO Percent Saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi depth (m)	Total Depth (m)
9	WITH	6/25/2008	14:01	0.15	28.98	4.88	64.6	0.309	0.15	7.85	1.65	1.65
9	WITH	6/25/2008	14:02	1	28.97	4.35	56.8	0.309	0.15	7.71		
9	WITH	8/27/2008	12:30	0.15	28.04	8.87	113.6	0.34	0.16	8.36	1.32	3.05
9	WITH	8/27/2008	12:30	1	28.01	8.83	112.8	0.339	0.16	8.41		
9	WITH	8/27/2008	12:30	2	28.00	8.77	112.2	0.34	0.16	8.4		
9	WITH	8/27/2008	12:30	2.8	27.98	8.65	110.6	0.34	0.16	8.41		

Notes:

m = meters

mg/L = milligrams/liter

mS/cm = milli Siemens/centimeter

ppt = parts per thousand

Temp = temperature

Cond = conductivity

°C = degrees Celsius

Blank = no data

WITH = Old Withlacoochee River Segment

C-2 Field Sampling Data at Old Withlacoochee River Station – CFBC-10

Station ID	Site	Date Sampled	Time Sampled	Depth (m)	Temp (°C)	DO (mg/L)	DO Percent Saturation (%)	Cond (mS/cm)	Salinity (ppt)	pH (units)	Secchi depth (m)	Total Depth (m)
10	WITH	6/4/2008	15:01	0.15	29.42	4.78	64.6	0.33	0.16	8.09		4.2
10	WITH	6/4/2008	15:02	1	28.56	3.38	44.4	0.32	0.15	7.83		
10	WITH	6/4/2008	15:03	2	28.30	3.16	40.8	0.32	0.15	7.72		
10	WITH	6/4/2008	15:04	3	28.13	4.12	49.9	0.32	0.15	7.76		
10	WITH	6/4/2008	15:11	0.15	28.15	2.51	32.6	0.32	0.15	7.58		4.3
10	WITH	6/4/2008	15:15	1	28.20	3.69	52.4	0.32	0.15	7.60		
10	WITH	6/4/2008	15:16	2	28.15	2.54	33.4	0.32	0.15	7.56		
10	WITH	6/25/2008	13:48	0.5	28.52	4.32	56.8	0.307	0.14	7.93	0.91	0.91
10	WITH	8/27/2008	12:00	0.15	27.97	8.79	111.3	0.34	0.16	8.34	1.18	
10	WITH	8/27/2008	12:00	1	27.81	8.26	105.1	0.341	0.16	8.28		
10	WITH	8/27/2008	12:00	2	27.73	7.97	101.3	0.341	0.16	8.23		

Notes:

m = meters

mg/L = milligrams/liter

mS/cm = milli Siemens/centimeter

ppt = parts per thousand

Temp = temperature

Cond = conductivity

°C = degrees Celsius

Blank = no data

WITH = Old Withlacoochee River Segment

C-3
OWR Surface Water Chemistry Data

C-3 Old Withlacoochee River Analytical Data

Site	Station	Date	Depth	Note	Parameter	Quality		
						Value	Qualifier	Units
OWR	CFBC-08	6/25/08	Middle		Ammonia	0.065	=	mg/L
OWR	CFBC-08	8/27/08	Middle		Ammonia	0.027	J	mg/L
OWR	CFBC-08	06/25/08	Middle		Nitrate Nitrite as N	0.27	=	mg/L
OWR	CFBC-08	08/27/08	Middle		Nitrate Nitrite as N	0.32	=	mg/L
OWR	CFBC-08	6/25/08	Middle		Nitrogen, Kjeldahl	0.48	=	mg/L
OWR	CFBC-08	8/27/08	Middle		Nitrogen, Kjeldahl	1.5	=	mg/L
OWR	CFBC-08	6/25/08	Middle		Total Nitrogen (calculation)	0.75		mg/L
OWR	CFBC-08	8/27/08	Middle		Total Nitrogen (calculation)	1.82		mg/L
OWR	CFBC-08	6/25/08	Middle		Phosphorus	0.013	=	mg/L
OWR	CFBC-08	8/27/08	Middle		Phosphorus	0.026	=	mg/L
OWR	CFBC-08	6/25/08	Middle		Chlorophyll-a, corrected for Pheophytin	37.1	=	mg/m3
OWR	CFBC-08	8/27/08	Middle		Chlorophyll-a, corrected for Pheophytin	27.9	=	mg/m3
OWR	CFBC-08	06/25/08	Middle		Total Dissolved Solids	640	=	mg/L
OWR	CFBC-08	08/27/08	Middle		Total Dissolved Solids	170	=	mg/L
OWR	CFBC-08	06/25/08	Middle		Total Suspended Solids	2.5	J	mg/L
OWR	CFBC-08	08/27/08	Middle		Total Suspended Solids	3.5	J	mg/L

C-3 Old Withlacoochee River Analytical Data

Site	Station	Date	Depth	Note	Parameter	Quality	
						Value	Units
OWR	CFBC-09	6/25/08	Middle		Ammonia	0.033 =	mg/L
OWR	CFBC-09	8/27/08	Middle		Ammonia	0.024 J	mg/L
OWR	CFBC-09	06/25/08	Middle		Nitrate Nitrite as N	0.29 =	mg/L
OWR	CFBC-09	08/27/08	Middle		Nitrate Nitrite as N	0.31 =	mg/L
OWR	CFBC-09	6/25/08	Middle		Nitrogen, Kjeldahl	0.3 =	mg/L
OWR	CFBC-09	8/27/08	Middle		Nitrogen, Kjeldahl	0.65 J	mg/L
OWR	CFBC-09	6/25/08	Middle		Total Nitrogen (calculation)	0.59	mg/L
OWR	CFBC-09	8/27/08	Middle		Total Nitrogen (calculation)	0.96	mg/L
OWR	CFBC-09	6/25/08	Middle		Phosphorus	0.017 =	mg/L
OWR	CFBC-09	8/27/08	Middle		Phosphorus	0.022 =	mg/L
OWR	CFBC-09	6/25/08	Middle		Chlorophyll-a, corrected for Pheophytin	31.5 =	mg/m3
OWR	CFBC-09	8/27/08	Middle		Chlorophyll-a, corrected for Pheophytin	29.1 =	mg/m3
OWR	CFBC-09	06/25/08	Middle		Total Dissolved Solids	150 =	mg/L
OWR	CFBC-09	08/27/08	Middle		Total Dissolved Solids	170 =	mg/L
OWR	CFBC-09	06/25/08	Middle		Total Suspended Solids	5 U	mg/L
OWR	CFBC-09	08/27/08	Middle		Total Suspended Solids	4 J	mg/L

C-3 Old Withlacoochee River Analytical Data

Site	Station	Date	Depth	Note	Parameter	Quality		
						Value	Qualifier	Units
OWR	CFBC-10	6/25/08	Middle		Ammonia	0.029	J	mg/L
OWR	CFBC-10	8/27/08	Middle		Ammonia	0.022	J	mg/L
OWR	CFBC-10	06/25/08	Middle		Nitrate Nitrite as N	0.31	=	mg/L
OWR	CFBC-10	08/27/08	Middle		Nitrate Nitrite as N	0.00099	J	mg/L
OWR	CFBC-10	6/25/08	Middle		Nitrogen, Kjeldahl	0.4	=	mg/L
OWR	CFBC-10	8/27/08	Middle		Nitrogen, Kjeldahl	0.59	=	mg/L
OWR	CFBC-10	6/25/08	Middle		Total Nitrogen (calculation)	0.71		mg/L
OWR	CFBC-10	8/27/08	Middle		Total Nitrogen (calculation)	0.59		mg/L
OWR	CFBC-10	6/25/08	Middle		Phosphorus	0.018	=	mg/L
OWR	CFBC-10	8/27/08	Middle		Phosphorus	0.029	=	mg/L
OWR	CFBC-10	6/25/08	Middle		Chlorophyll-a, corrected for Pheophytin	41.6	=	mg/m3
OWR	CFBC-10	8/27/08	Middle		Chlorophyll-a, corrected for Pheophytin	29.1	=	mg/m3
OWR	CFBC-10	06/25/08	Middle		Total Dissolved Solids	160	=	mg/L
OWR	CFBC-10	08/27/08	Middle		Total Dissolved Solids	170	=	mg/L
OWR	CFBC-10	06/25/08	Middle		Total Suspended Solids	3.5	J	mg/L
OWR	CFBC-10	08/27/08	Middle		Total Suspended Solids	3	J	mg/L

C-4

OWR Infaunal and Motile Invertebrate Data

C-4 OWR Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	OWR	CFBC-08	09-Jul-08	Amphipoda	AMPHIPODA (LPIL)	57.41	
Ponar Dredge	OWR	CFBC-08	09-Jul-08	Amphipoda	AORIDAE (LPIL)	57.41	
Ponar Dredge	OWR	CFBC-08	09-Jul-08	Diptera	CHIRONOMUS SP.	4664.36	
Ponar Dredge	OWR	CFBC-08	09-Jul-08	Diptera	DICROTENDIPES SP.	57.41	
Ponar Dredge	OWR	CFBC-08	09-Jul-08	Hirudinea	HELOBDELLA STAGNALIS	14.35	
Ponar Dredge	OWR	CFBC-08	09-Jul-08	Polychaeta	HOBSONIA FLORIDA	114.82	
Ponar Dredge	OWR	CFBC-08	09-Jul-08	Polychaeta	LAEONEREIS CULVERI	344.45	
Ponar Dredge	OWR	CFBC-08	09-Jul-08	Bivalvia	MYTILOPSIS LEUCOPHAEATA	631.48	
Ponar Dredge	OWR	CFBC-08	09-Jul-08	Diptera	PROCLADIUS (HOLOTANYPUS) SP.	57.41	
Ponar Dredge	OWR	CFBC-08	09-Jul-08	Gastropoda	PYRGOPHORUS PLATYRACHIS	57.41	
Ponar Dredge	OWR	CFBC-08	09-Jul-08	Polychaeta	STENINONEREIS MARTINI	645.83	
Ponar Dredge	OWR	CFBC-08	09-Jul-08	Diptera	TANYTARSUS SP.	229.63	
Ponar Dredge	OWR	CFBC-09	20-Jun-08	Polychaeta	BOCCARDIELLA SP.	200.93	
Ponar Dredge	OWR	CFBC-09	20-Jun-08	Diptera	CHIRONOMUS SP.	416.20	
Ponar Dredge	OWR	CFBC-09	20-Jun-08	Amphipoda	GAMMARUS CF. TIGRINUS LECROY	301.39	
Ponar Dredge	OWR	CFBC-09	20-Jun-08	Polychaeta	HOBSONIA FLORIDA	172.22	
Ponar Dredge	OWR	CFBC-09	20-Jun-08	Gastropoda	HYDROBIIDAE (LPIL)	157.87	
Ponar Dredge	OWR	CFBC-09	20-Jun-08	Polychaeta	LAEONEREIS CULVERI	502.32	
Ponar Dredge	OWR	CFBC-09	20-Jun-08	Polychaeta	LUMBRINERIS SP.	71.76	
Ponar Dredge	OWR	CFBC-09	20-Jun-08	Bivalvia	MYTILOPSIS LEUCOPHAEATA	602.78	
Ponar Dredge	OWR	CFBC-09	20-Jun-08	Nemertea	NEMERTEA (LPIL)	57.41	
Ponar Dredge	OWR	CFBC-09	20-Jun-08	Diptera	PROCLADIUS SP.	57.41	
Ponar Dredge	OWR	CFBC-09	20-Jun-08	Diptera	PSEUDUCHIRONOMUS SP.	57.41	
Ponar Dredge	OWR	CFBC-09	20-Jun-08	Gastropoda	PYRGOPHORUS PLATYRACHIS	373.15	
Ponar Dredge	OWR	CFBC-09	20-Jun-08	Polychaeta	STENINONEREIS MARTINI	57.41	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Oligochaeta	AULODRILUS PIGUETI	114.82	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Polychaeta	BOCCARDIELLA SP.	86.11	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Oligochaeta	BRATISLAVIA UNIDENTATA	287.04	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Isopoda	CAECIDOTEA SP.	516.67	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Gastropoda	CF. PYRGOPHORUS PLATYRACHIS	14.35	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	CHIRONOMIDAE (LPIL)	100.46	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	CHIRONOMIDAE PUPAE (LPIL)	57.41	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	CHIRONOMUS DECORUS GROUP EPLER	272.69	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	CHIRONOMUS SP.	100.46	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	CLADOPELMA SP.	86.11	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	CLADOTANYTARSUS SP.	43.06	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	CLADOTANYTARSUS SP. A EPLER	172.22	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Bivalvia	CORBICULA FLUMINEA	200.93	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	CRYPTOCHIRONOMUS SP.	43.06	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	CRYPTOTENDIPES SP.	57.41	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Oligochaeta	DERO DIGITATA COMPLEX	229.63	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Oligochaeta	DERO SP.	100.46	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	DICROTENDIPES MODESTUS	1679.17	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	DICROTENDIPES SP.	57.41	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	DIPTERA (LPIL)	100.46	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Amphipoda	GAMMARUS SP.	14.35	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Gastropoda	GASTROPODA (LPIL)	57.41	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Hirudinea	GLOIOBDELLA ELONGATA	344.45	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Hirudinea	HELOBDELLA STAGNALIS	186.57	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Polychaeta	HOBSONIA FLORIDA	86.11	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Amphipoda	HYALELLA AZTECA COMPLEX LECROY	1564.35	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Oligochaeta	ILYODRILUS TEMPLETONI	215.28	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Oligochaeta	LIMNODRILUS HOFFMEISTERI	344.45	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Bivalvia	MYTILOPSIS LEUCOPHAEATA	57.41	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Trichoptera	OECETIS INCONSPICUA COMPLEX PESCADOR	57.41	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Bivalvia	PISIDIIDAE (LPIL)	129.17	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	POLYPEDILUM HALTERALE GROUP EPLER	129.17	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	PROCLADIUS (HOLOTANYPUS) SP.	86.11	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	PROCLADIUS BELLUS VAR. 2 EPLER	57.41	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	PSEUDUCHIRONOMUS SP.	789.35	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Gastropoda	PYRGOPHORUS PLATYRACHIS	71.76	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	TANYTARSINI (LPIL)	57.41	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	TANYTARSUS SP.	215.28	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	TANYTARSUS SP. G EPLER	574.08	

C-4 OWR Infaunal and Motile Invertebrate Data

Equipment Type	Site	Station	Date	Major Taxon or Common Name	Organism Name	Pooled Density (#/m ²)	Catch per Unit Effort
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	TANYTARSUS SP. K EPLER	28.70	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Diptera	TANYTARSUS SP. L EPLER	28.70	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Trichoptera	TRICHOPTERA (PUPAE)	28.70	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Oligochaeta	TUBIFICOID NAIDIDAE IMM SP. A (LPIL)	15844.48	
Ponar Dredge	OWR	CFBC-10	20-Jun-08	Oligochaeta	TUBIFICOID NAIDIDAE IMM SP. B (LPIL)	2870.38	
Crab Trap	OWR	CFBC-10	30-May-08	Blue Crab	Callinectes sapidus		0.06

C-5

OWR Fish Data

C-5 OWR Fish Data

Equipment Type	Site	Station	Date	Common Name	Organism Name	Number Collected	Catch per Unit Effort
Beach Seine	OWR	CFBC-08	20-Jun-08	Inland silverside	Menidia beryllina	7	3.5
Beach Seine	OWR	CFBC-08	20-Jun-08	Pinfish	Lagodon rhomboides	1	0.5
Beach Seine	OWR	CFBC-08	20-Jun-08	Spotfin mojarra	Eucinostomus argenteus	4	2.0
Cast Net	OWR	CFBC-08	27-May-08	Bay anchovy	Anchoa mitchilli	1	0.5
Cast Net	OWR	CFBC-08	27-May-08	Largemouth bass	Micropterus salmoides	1	0.5
Cast Net	OWR	CFBC-08	27-May-08	Pinfish	Lagodon rhomboides	1	0.5
Cast Net	OWR	CFBC-08	27-May-08	Scaled sardine	Harengula jaguana	1	0.5
Cast Net	OWR	CFBC-08	27-May-08	Sheepshead	Archosargus probatocephalus	1	0.5
Cast Net	OWR	CFBC-08	27-May-08	Tidewater mojarra	Eucinostomus harengulus	3	1.5
Beach Seine	OWR	CFBC-09	20-Jun-08	Largemouth bass	Micropterus salmoides	2	1.0
Cast Net	OWR	CFBC-09	29-May-08	Bay anchovy	Anchoa mitchilli	2	1.0
Cast Net	OWR	CFBC-09	28-May-08	Sheepshead	Archosargus probatocephalus	1	0.5
Minnow Trap	OWR	CFBC-09	29-May-08	Largemouth bass	Micropterus salmoides	3	0.3
Minnow Trap	OWR	CFBC-09	29-May-08	Redbreast sunfish	Lepomis auritus	1	0.1
Beach Seine	OWR	CFBC-10	18-Jun-08	Black bass	Micropterus sp.	1	0.5
Beach Seine	OWR	CFBC-10	18-Jun-08	Golden shiner		1	0.5
Beach Seine	OWR	CFBC-10	18-Jun-08	Golden shiner	Notemigonus crysoleucas	1	0.5
Beach Seine	OWR	CFBC-10	18-Jun-08	Inland silverside	Menidia beryllina	4	2.0
Beach Seine	OWR	CFBC-10	18-Jun-08	Killifish	NA	3	1.5
Beach Seine	OWR	CFBC-10	18-Jun-08	Largemouth bass	Micropterus salmoides	15	7.5
Beach Seine	OWR	CFBC-10	18-Jun-08	Mosquitofish	Gambusia affinis	1	0.5
Beach Seine	OWR	CFBC-10	18-Jun-08	Sailfin molly	Poecilia latipinna	1	0.5
Beach Seine	OWR	CFBC-10	18-Jun-08	Seminole killifish	Fundulus seminolis	17	8.5
Beach Seine	OWR	CFBC-10	18-Jun-08	Sunfish	Lepomis sp.	2	1.0
Cast Net	OWR	CFBC-10	28-May-08	Catfish	Ameiurus sp.	2	1.0
Cast Net	OWR	CFBC-10	28-May-08	Florida gar	Lepisosteus platyrhinchus	2	1.0
Cast Net	OWR	CFBC-10	28-May-08	Redear sunfish	Lepomis microlophus	1	0.5
Cast Net	OWR	CFBC-10	28-May-08	Sailfin armored catfish	Pterygoplichthys sp.	1	0.5
Cast Net	OWR	CFBC-10	28-May-08	Seminole killifish	Fundulus seminolis	2	1.0
Gill Net	OWR	CFBC-10	29-May-08	Largemouth bass	Micropterus salmoides	1	0.8
Minnow Trap	OWR	CFBC-10	30-May-08	Bluefin Killifish	Lucania goodei	97	9.5
Minnow Trap	OWR	CFBC-10	30-May-08	Sunfish	Lepomis sp.	1	0.1
Minnow Trap	OWR	CFBC-10	30-May-08	Swamp darter	Etheostoma fusiforme	2	0.2