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August 18, 1992

Ms. W. F. Perrin, Technical Information Officer
U. S. Department of Energy
Savannah River Operations Office
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Document No. WSRC-TR-92-179

Author's Name M. Paller, et al. Address 773-42A

Document Title "ICHTHYOPLANKTON ENTRAINMENT STUDY AT THE SRS SAVANNAH RIVER WATER INTAKES FOR WESTINGHOUSE SAVANNAH RIVER COMPANY (U)"

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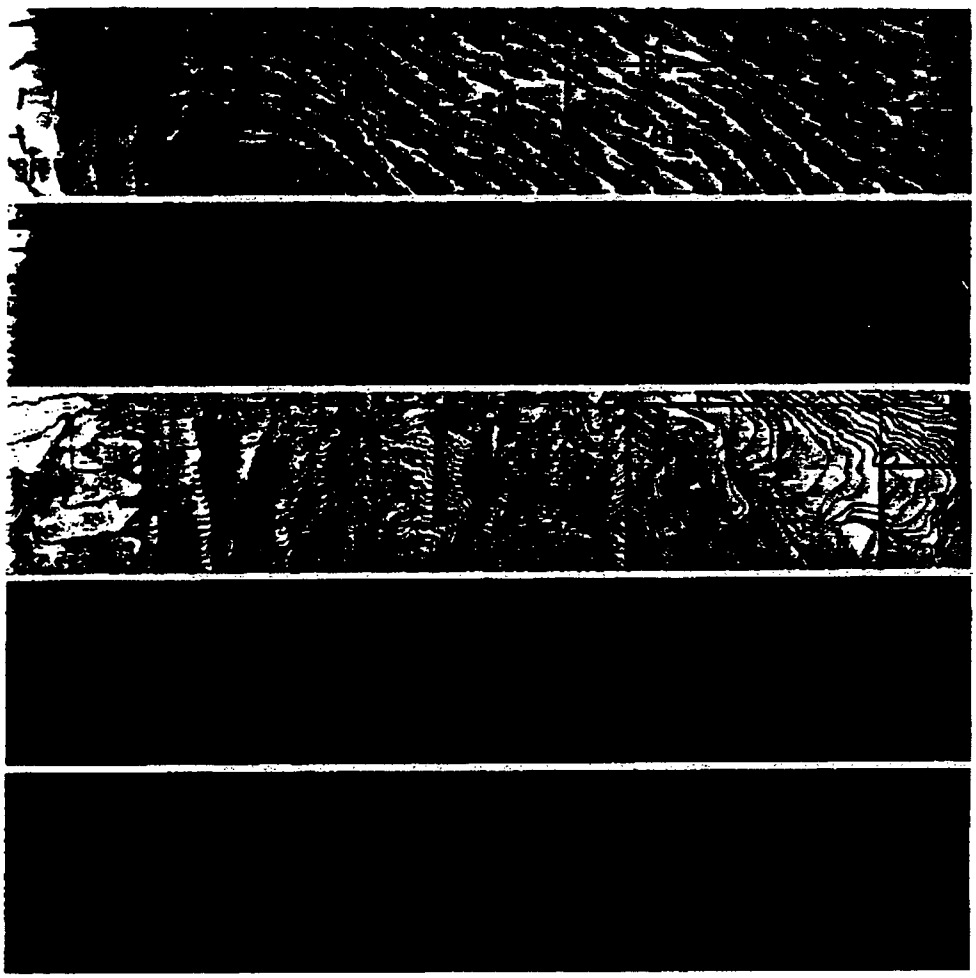

FINAL REPORT
ICHTHYOPLANKTON ENTRAINMENT STUDY
AT THE SRS SAVANNAH RIVER WATER INTAKES
FOR
WESTINGHOUSE SAVANNAH RIVER COMPANY

MARCH 26, 1992

DAMES & MOORE

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1.0 INTRODUCTION

Cooling water for L and K Reactors and makeup water for Par Pond is pumped from the Savannah River at the 1G, 3G, and 5G pump houses. Ichthyoplankton (drifting fish larvae and eggs) from the river are entrained into the reactor cooling systems with the river water and passed through the reactor's heat exchangers where temperatures may reach 70°C during full power operation. Ichthyoplankton mortality under such conditions is assumed to be 100 percent. The number of ichthyoplankton entrained into the cooling system depends on a variety of variables, including time of year, density and distribution of ichthyoplankton in the river, discharge levels in the river, and the volume of water withdrawn by the pumps. Entrainment at the 1G pump house, which is immediately downstream from the confluence of Upper Three Runs Creek and the Savannah River, is also influenced by discharge rates and ichthyoplankton densities in Upper Three Runs Creek.

Because of the anticipated restart of several SRS reactors and the growing concern surrounding striped bass and American shad stocks in the Savannah River, the Department of Energy (DOE) requested that the Environmental Sciences Section (ESS) of the Savannah River Laboratory (SRL) sample ichthyoplankton at the SRS Savannah River intakes. Dames & Moore, Inc., under a contract with Westinghouse Savannah River Company (WSRC), performed the sampling and data analysis for the ESS.

2.0 OBJECTIVES

The objectives of this task were to:

- collect information on the spatial (i.e., horizontal and vertical) and temporal (time of day, or diel) distribution of fish eggs and larvae near the mouths of SRS intake canals;
- collect general information on the relative abundance, species composition, seasonal distribution, and density of ichthyoplankton near the SRS intakes; and,

- assess the extent to which fish larvae avoid a net bridle. A net bridle, used to tow a single plankton net, is made of three lines attached to a ring supporting the net mouth and tied together where a tow rope is attached. If a net bridle does not effect catch rate, then a single net may be used to collect a representative sample and pseudoreplication (as described by Hurlbert 1984) is avoided.

The species of greatest interest in this program, based on their economic importance and likelihood of being entrained, were the American shad (*Alosa sapidissima*) and striped bass (*Morone saxatilis*). Striped bass eggs are semibuoyant and American shad eggs are often found throughout the water column, so they are likely to be entrained. A third species of high importance was the shortnose sturgeon (*Acipenser brevirostrum*), which is on the Federal Endangered Species List. While sturgeon have adhesive and demersal eggs and are therefore not as likely to be entrained as American shad and striped bass, any loss of this species is undesirable because of its rarity.

3.0 METHODS

3.1 SAMPLING LOCATIONS

Ichthyoplankton sampling was conducted along two transects crossing the Savannah River (Figure 3-1). Transect 1 was at RM 157.3 (approximately 15 meters [m] upstream of the 1G intake canal) and Transect 2 was at RM 155.4 (approximately 25 m upstream of the 3G intake canal).

3.2 PHYSICAL CHARACTERIZATION

Physical characterization was conducted once at each sampling transect prior to initiating ichthyoplankton sampling and once after ichthyoplankton sampling was started. Physical characterization consisted of river depth, width, and current velocity measurements. The initial characterization was limited to river depth and width measurements. River width was determined to the nearest meter by use of a measuring tape and depth was determined using a sounding line. Depth (nearest

0.1 m) and current velocity (m/s) were measured at 5-m intervals across the river. Current velocity was measured near the surface and at 1-m intervals to the bottom using a Swoffer Model 2100 current meter. Savannah River stage height was recorded from the staff gauge on the upstream end of the SRS pier (Ellenton Landing).

3.3 DIEL ICHTHYOPLANKTON SAMPLING

Based on the physical characterization data, the WSRC task manager divided the river horizontally and vertically into 4 sectors at each transect (Figure 3-2). These sectors consisted of the South Carolina side (S), mid-channel (M), Georgia side (G), and bottom (B), with Sector B beneath the other three sectors. Randomization plans were developed so that sampling locations would be random within each sector. Each sampling point in the plan was indicated by a distance from the South Carolina bank and a depth. Separate plans were developed for different river stage ranges during each sampling event. When the planned depths for Sector B were deeper than the water depth at the time of sampling, samples were taken as close to the bottom as possible. At least one meter of depth was allotted for Sector B when dimensions were determined from the sampling plan. All horizontal distances were determined from a known, stationary point that was established when transect locations were placed during the physical characterization. These distances were usually estimated; this was done by centering the boat in midstream and mentally dividing the river into sections of appropriate size to estimate the sampling location. For example, if 53 m was the distance from the South Carolina bank required by the random sampling plan at Transect 1, this was calculated to be 78 percent of the 68 m width. We then placed the boat 4/5 of the distance across the river by correcting our position until the relative distances from both banks seemed right. When the required distance was close to either bank, we estimated distance from the bank using the known width of the boat as a guide. An ultrasonic rangefinder was our intended approach to distance measurement, but the device was unreliable. Unreliable readings were obtained under the following conditions: noise from the motor and boat as we tried to maintain position in the current, variable atmospheric moisture content near the water surface, and darkness. One or more of these conditions existed most of the time during

sampling. Based on comparisons with the rangefinder when it worked, we do not believe that the error involved in estimating distances compromised the random sampling plan. It was probably similar to the error involved in attempting to regain a known position after placing an anchor upstream in the current.

Diel ichthyoplankton sampling was conducted weekly during the months of April and May 1991, accounting for nine of the 23 sampling events (Table 3-1). Diel sampling events were separated by 5-7 days, with sampling at each transect continuing for a total of approximately 24 hours. Sampling at the second transect usually began immediately after the first was completed, making a total of 48 hours of sampling for each event. Samples were collected in duplicate from each sector every 2 hours, making a total of 24 samples from each sector on each transect. The designed total number of samples for each diel sampling event was 192, including both transects. During the first diel (April 2-3), equipment problems resulted in missing most of one 2-hour time period at both transects, which represented only 7 percent of the designed total. Severe weather caused missed samples for one 2-hour period at Transect 2 during the second diel (April 8-10); 4 percent of the designed total were missed. High river stage (over 93 feet measured at the SRS pier) forced the cancellation of night work during the sixth diel (May 7-8). However, about two thirds of the designed number of diel samples were collected during daylight for this event. In addition, sampling for Transect 1 was discontinuous during the third diel (April 15-19), due to the illness of a crew member. Sampling for Transect 1 was done from 1300, April 15 to 0100, April 16, and completed from 0100 to 1300, April 17 during the third diel.

Ichthyoplankton was collected with paired, side-by-side 0.505 millimeter (mm) mesh plankton nets (i.e., "bongo nets") measuring 0.5 m in diameter at the net mouth. A General Oceanics Model 2030 mechanical digital flowmeter was suspended in the mouth of each net to record the volume of water filtered for each sample. The nets were fitted with a 1-liter plastic jar at the cod end to receive organisms filtered from the water. The jar was labeled with transect, sector, period, net used (A or B), and date, so that it could be matched with the appropriate field sampling data sheet. Field data sheets were used to record the flowmeter readings associated with each sample,

the names of the personnel that took the sample, general weather conditions, river stage, and field notes.

Each plankton net in the paired net configuration was set for a period sufficient to filter approximately 50 m^3 of water. The length of time needed for the nets to filter 50 m^3 was determined from an initial velocity reading taken at the location where the nets were to be set using a General Oceanics Model 2030 flowmeter. This velocity reading was entered on the field data sheet, as were the initial flowmeter readings from each of the meters mounted in the nets. Samples were collected by suspending the nets in the current at the specified locations and depths until the proper amount of time had passed. The depth of the nets in the water column was measured directly, or through the use of an inclinometer and a measured length of line to the nets.

Filtration occurred only at the specified depth and not while raising and lowering the nets. The nets had two lines, one attached in front and the other to one side. Nets were lowered by the side line, and once at the proper depth, the side line was slackened and the front line held the nets while they were filtering. After sampling was completed, the nets were retrieved by the side line, which closed the nets, and the final readings of the mounted flow meters were noted on the field data sheet. The nets were washed so that the filtrate was flushed into the collecting jar. Sufficient concentrated buffered (pH 7) formalin was added to the jar to bring the formalin concentration to approximately 5 percent. The bottle was sealed, labeled, and stored for return to the laboratory.

River stage height was recorded from the staff gauge at the SRS pier at the end of each 24-hour sampling period. Temperature, dissolved oxygen, pH, and conductivity were measured in conjunction with each pair of samples taken. Conductivity was determined using a YSI Model 33 S-C-T meter. Temperature and dissolved oxygen were measured using a YSI Model 58 dissolved oxygen meter. Measurements of pH were made with a Cole-Parmer Model 5985-80 pH meter. A standard field data sheet was used to record water quality data, including calibration data for pH and dissolved oxygen. Dissolved oxygen and pH were calibrated once per 12-hour shift, and conductivity readings from a standard solution were taken daily. All instruments were

maintained and calibrated according to manufacturers' instructions. Log books for instrument maintenance were maintained in the Dames & Moore, Inc. laboratory throughout the study.

3.4 DAY/NIGHT ICHTHYOPLANKTON SAMPLING

Day/night ichthyoplankton sampling began with one sampling event in the last week in March, and concluded with twice-weekly events during the first 2 weeks of June (Table 3-1). Sampling events were separated by 3-4 days during these periods. Day/night ichthyoplankton sampling was conducted once weekly during the months of April and May. During April and May, most day/night sampling events were separated by 6-8 days and were separated from diel samples by 2-3 days, allowing 48 hours for the diel sampling event. Ichthyoplankton sampling was conducted twice at each transect during each day/night event. Most day sampling started 1-5 hours after sunrise and night sampling started 1-5 hours after sunset (time of sunrise and sunset listed in local papers). Starting times were randomly selected within the 1-5 hour time period. Due to hazardous water conditions (river stage over 93 feet as measured at the SRS pier), night sampling was not performed during the April 5, May 10, May 17, May 24, and May 31 sampling events.

Each transect was sampled at three locations: left side facing upstream, center, and right side. For Transect 1, most right side samples were taken 15-20 m from the SC bank, center samples 30-35 m, and left side samples 45-50 m from the SC bank. At Transect 2 the right side distances were usually 25-30 m, center distances were 50-60 m, and left side distances were 80-85 m from the SC bank. These distances were visually estimated from the reference point using the proportion method described in Section 3.3. Duplicate samples at two depths (0.5 m from the surface and 0.5 m from the bottom) were taken at each location, making a total of 12 samples from each of the two transects during each time period. Therefore, the designed total number of samples for each day/night event was 48. Samples were collected using paired 0.5 m nets as described for the diel program. Jars were labeled with transect, location, net

used (A or B), and date. Location codes were RS, RB, CS, CB, LS, and LB for right bank-surface, right bank-bottom, center-surface, etc.

Temperature, dissolved oxygen, pH, and conductivity were measured during sampling for each pair of ichthyoplankton samples. The point of measurement was at the same depth as the nets, but the distance from shore was changed just enough to avoid interference with ichthyoplankton sampling. River depth was measured at each of the three sampling locations at each transect in order to set the nets for bottom samples.

3.5 MOCK-BRIDLE EXPERIMENTS

To assess the extent to which larvae avoid a net bridle, Dames & Moore, Inc. constructed a mock-up of a bridle system. The mock-up employed three points of attachment to the net frame and simulated the type of bridle used to deploy single plankton nets. It consisted of three 0.7-m-long threaded rods (5 mm thick) with eye bolts at each end for attachment. Braided white nylon line (6 mm thick) was attached to the upstream sides of the rods with small white cable ties.

The mock-up was placed on one of the paired nets and the nets were set as previously specified. Upon retrieval, the mock-up was switched to the other member of the pair. The mock-up was alternated between nets each time the net was deployed. Bridle avoidance was assessed on six day/night sampling dates and was assessed during both day and night, as long as water conditions were safe for night sampling. Bridle avoidance was assessed during the following sampling events: April 16 and 19, May 2-3, May 10, May 24, June 10-11, and June 13-14 (Table 3-1). The experiment consisted of 68 day sample pairs and 47 night sample pairs.

3.6 SAMPLE SORTING AND IDENTIFICATION

Upon arrival in the laboratory, each sample was entered into the Dames & Moore, Inc. Laboratory Logbook, where it was assigned a unique laboratory sample ID number.

This number was recorded on the sample label and in the ichthyoplankton laboratory notebook, which was used to document sorting and sorting efficiency determinations. Ichthyoplankton samples were drained through a 0.5 mm or smaller mesh sieve and rinsed with tap water. All fish eggs and larvae were sorted from associated debris using an eyedropper or other appropriate instrument. Debris in at least one in every nine samples was checked for remaining ichthyoplankton by a qualified technician or scientist. In addition, debris in at least the first four samples that each sorter processed was checked. At any point, if a sorter failed to remove all the ichthyoplankton in a sample, that sorter was required to pass QC checks on the next four samples processed.

All eggs and larvae were identified to the lowest practical taxon, classified by life stage, enumerated, and stored in ethanol. Separate counts were maintained for each life stage, and all counts and taxonomic data were entered on a bench sheet showing the sample's number, laboratory ID number, and the taxonomist's signature. The following references were used in the identification of the various life stages of the fish specimens collected during this study: Auer (1982); Bennett and McFarlane (1983); Cloutman (undated); Conner (1979); Hardy (1978); Hogue, et al. (1976); Holland-Bartels, et al. (1990); Jenkins and Burkhead (1990); Jones, et al. (1978); Lippson and Moran (undated); Menhinick (1991); Wallus, et al. (1990); Wang and Kernehan (1979).

All taxonomists had 10 percent of their samples checked for taxonomic accuracy by a second ichthyoplankton taxonomist. If the comparison indicated that the identifications or enumerations were questionable, the Laboratory Manager (LM) notified the TM and the Coordinator of Quality Assurance (CQA). Resolution of all discrepancies was made and agreed between the LM, TM, CQA, and two taxonomists. If it was determined that the original identifications or enumerations were in error, then they were rejected in favor of the second taxonomist's findings. An error occurred when taxonomic differences indicated a systematic problem. This would include instances where identifications were further apart than one step; for example, *Elassoma* sp. vs. *Elassoma zonatum* was not considered an error. However, systematic problems did not include differences involving closely related taxa where separation (especially in the earliest life stage) was determined by both taxonomists

to be problematic. Following an error, the original taxonomist's samples were checked sequentially until an overall rejection rate of ≤ 10 percent was assured.

3.7 DATA ANALYSIS

Data were entered into electronic spreadsheets from field data sheets and laboratory bench sheets. Each sample had one data record, including fields for sample identification (transect, date, location, etc.), net flow meter counts, water quality data, and counts for each life stage for each taxon. Life stages for American shad and striped bass were entered in four categories: egg, protolarva, mesolarva, and metalarva. The larval stages are described below:

Protolarvae. Distinct median fin ray elements are not yet apparent.

Mesolarvae. At least one, but not the full complement of, distinct median fin rays is apparent. Or, if the full complement is present and the adult possesses pelvic fins, the pelvic buds or fins are not yet apparent.

Metalarvae. The full complement of distinct median rays is apparent, and pelvic fin buds are apparent if they occur in the adult.

All other taxa were entered as egg and/or larva. Net flow meter counts were calculated in the field by subtracting initial readings from final readings.

Except for the net flow meter counts, all other calculations were performed in the Statistical Analysis System (SAS), via program statements or the use of standard SAS statistical procedures. Spreadsheets were output in delimited files which were read by SAS into SAS datasets. Ichthyoplankton densities were calculated as follows:

$$D = 1{,}000 \times C / (F \times 0.026873 \times 0.19635)$$

Where: D = taxon density, organisms per 1,000 m^3
C = taxon count
F = net flow counts
0.026873 = rotor constant for current meter, m
0.19635 = net mouth area, m^2

The density data were characterized by many values near zero and some high values, which is typical of a lognormal distribution. Therefore, statistical testing was performed on the natural logarithms ($\log_e$) of density values. The constant 10 was added to each density before the ln was taken to avoid the skew in the ln-transformed data that occurs as densities approach zero.

Values for time period and actual time of sampling were recorded. The 2-hour time periods for diel samples were intended to keep track of the designed number of samples. Delays caused by equipment problems (2-3 April sampling event) or severe weather (8-10 April, 29-30 April sampling events) resulted in samples being taken for a particular time period after that period had passed. This "catch up" practice was followed unless, for example, samples which were planned for the night would have been collected in daylight. The practice resulted in some lack of correspondence between actual time of sampling and time period values, and occasional lack of balance in the group sizes of data analyzed by time period. The recorded time periods were only used for analyses resulting in descriptive statistics. All time interval groups developed for statistical testing of the diel data were based on actual sampling times.

Descriptive statistics, such as means and standard errors, were determined using standard SAS procedures (e.g., PROC TABULATE, PROC MEANS) using untransformed data. Standard errors for the mean are preceded by the "±" symbol in the text and tables. For analysis of differences among sectors in the diel data, we investigated two approaches to adjusting for observed variation in ichthyoplankton density with time of day. One approach was analysis of covariance (ANCOVA), in which American shad egg densities were tested (SAS PROC GLM) using sector as the main effect and time (t), time^2 (t^2), and time^3 (t^3) as covariates. The time covariates placed in the SAS model statement resulted in a third-order polynomial being fitted to the $\log_e$ of the density data. Separate tests were performed for each diel sampling event at each transect. Multiple comparisons of sector means were made with the least-squares means procedure. The second approach, used for both American shad and total larval densities, was to "dedielize" (as in deseasonalize; Loftis and Taylor 1989) the data. This was accomplished by computing means for each two-hour time interval, subtracting the mean from each datum in the interval, and adding the overall mean for

the sampling event. This was done for each transect and each sampling event, and it adjusted for variability due to time of day without fitting a curve. After the adjustment, a one-way analysis of variance (ANOVA) was performed with sector as the main effect, followed by multiple comparisons with Bonferroni *t* tests. SAS PROC GLM (or general linear models procedure) was used to perform ANOVA as a linear model, which avoids the problems of using the analysis of variance model when data are missing from cells of the design. In tables listing sector means as part of these test results, the means have been back transformed to their original scale (organisms/1,000m^3) by taking the antilog of the $\log_e$ mean and adding 10. In other words, these are geometric means. A significance level of $p = .05$ was used in this report unless stated otherwise. Except for the multiple comparisons, actual probabilities developed for each test are reported, so that other significance levels may be used to interpret the results.

Paired *t* tests were used to test differences among larval fish catch rates when the mock-bridle was used. Each total larval density associated with the mock-bridle was subtracted from the total density of the simultaneously collected control. A *t* test was performed on the differences, where the null hypothesis was that the mean difference was zero. Separate tests were performed on day and night samples.

3.8 QUALITY ASSURANCE AND QUALITY CONTROL

Quality control procedures included control of important project documents (such as the task management plan), maintaining sample chain-of-custody, review of field data sheets, verifying data entry and hand calculations to an error level of less than 1 percent, verifying SAS programming for each set of output, and technical review of the task management plan and report. These are in addition to the procedures already mentioned for instrument calibration, sample sorting, and ichthyoplankton identification. Quality assurance activities included surveillances of field and laboratory practices and an audit of project documentation.

4.0 RESULTS AND DISCUSSION

4.1 PHYSICAL CHARACTERIZATION

The Savannah River was 68 m wide at Transect 1 and 105 m wide at Transect 2 (Table 4-1). Both areas have their deepest points on the South Carolina side of the river's midpoint, with maximum depths of about 7 m when the stage was approximately 91 feet at the SRS pier. Measured current velocities ranged from 0.17 to 1.38 m/sec at Transect 1 and from 0.05 to 1.33 m/sec at Transect 2.

Transect 2 has a section about 40 m long on the Georgia side which is relatively shallow - less than 2.5 m deep at a river stage of 91.5 feet (Table 4-1). When the river was at a low stage during day/night sampling it was not possible to obtain separate top and bottom samples in this area. The velocities in this section are generally lower than in the other part of the river - the main current flows toward the South Carolina bank at this transect. Low velocities occasionally resulted in net sets of one half hour or longer in this section during diel sampling. On rare occasions sampling had to be halted before the target flow counts were reached in order to avoid falling behind in the sampling schedule.

Savannah River stages measured during ichthyoplankton sampling varied from 84.4 to 95.5 feet at the SRS pier (Table 4-2). Generation of power, and release of water, at J. Strom Thurmond Dam is generally halted on the weekends and resumes on Monday morning. Travel time to the SRS pier for releases from this dam is about two days. This resulted in typically lower stages during the diel events, which were usually done on Mondays and Tuesdays, than during the day/night events done on Thursdays and/or Fridays. An exception occurred during the week of May 6, when flood waters were released from J. Strom Thurmond Dam over the preceding weekend. No night sampling was done that week because the stage was always over 93 feet. Table 4-3 lists the sector dimensions from the diel sampling plans.

4.2 BIOLOGICAL CHARACTERIZATION

A total of 11,225 fish eggs and 6,576 fish larvae were collected during the study. Thirty-three (33) distinct taxa were identified representing 15 families (Table 4-4). Distinct taxa means that only the taxon identified to the lowest level in a phylogenetic series was counted. For example, *Pomoxis* sp. and *Pomoxis nigromaculatus* were on the species list, but only *Pomoxis nigromaculatus* was a distinct taxon. Most of the taxa were identified as larvae; five distinctly different taxa of eggs were recognized.

The primary species of concern for this study were American shad, striped bass, and shortnose sturgeon. Four (4) larval sturgeon were collected during the study, and no sturgeon eggs were collected. Taxonomic resolution to species level for Atlantic and shortnose sturgeon in the larval life stages is difficult, and the study specimens were unable to be accurately identified to species level. A total of 8,564 American shad eggs were found during the study, representing 76 percent of all the fish eggs collected (Appendix Table 1). Larval American shad were less numerous (87 counted), and they comprised only about 1 percent of fish larvae collected. Striped bass were found only as eggs in the samples; no other life stages were collected. A total of 580 striped bass eggs were counted, representing about 5 percent of the total number of fish eggs.

The four larval sturgeon were all collected in April (Table 4-5). American shad were collected throughout the study, but the highest mean densities occurred in April (Figure 4-1). Maximal American shad egg densities, 123.10 eggs/1,000m^3 at Transect 1 and 193.31 eggs/1,000m^3 at Transect 2, were collected during the April 25-26 sampling event (Table 4-5) when water temperatures measured 16.9-17.5°C (Appendix Table 8). These temperatures are comparable to historically optimal spawning temperatures in the Savannah River of approximately 18°C (R. Eager [USFWS], personal communication). The means of temperature measurements taken in April, May, and June at Transect 1 were 17.53 ± 0.08, 19.25 ± 0.07, and 21.77 ± 0.10, respectively (Table 4-6). Temperature data for Transect 2 were very similar. American shad larvae were collected sporadically throughout the study period, with mean densities ranging from 0 to 1.81 larvae/1,000m^3 (Table 4-5). Striped bass eggs

were collected only on six sampling events, during a period beginning with the April 8-10 event and ending with the June 3 event. The greatest mean density, 43.89 eggs/1,000m^3, occurred at Transect 2 on June 3. The water temperatures during the sampling events when striped bass eggs were taken ranged from 15.2-26.2°C (Appendix Table 8), which encompasses the optimal spawning temperatures of 16.7-19.4°C reported for striped bass (Calhoun, et al. 1950, Farley 1966, Talbut 1966). Mean densities of all other fish eggs peaked during the April 25-26 sampling event, when densities were 63.75 eggs/1,000m^3 at Transect 1 and 63.91 eggs/1,000m^3 at Transect 2 (Table 4-4). Fish larvae other than American shad exhibited elevated values (greater than 100 larvae/1,000m^3 at Transect 1) in April (April 22-24), May (May 2-3), and June (June 6).

4.2.1 Diel Sampling

4.2.1.1 Descriptive Statistics

Relative Abundance

A total of 9,090 fish eggs and 5,359 fish larvae were collected during 9 diel sampling events (Appendix Table 1). For the diel data, 77.96 percent of the fish eggs were American shad and 5.32 percent were striped bass. Relative abundances of eggs collected for other groups were below 1 percent, except unknown/unidentifiable fish eggs, which constituted 15.63 percent of all the eggs collected. Three of the four sturgeon larvae collected during the study were taken during diel sampling.

Only 1.40 percent of all fish larvae collected during diel sampling were American shad larvae (Appendix Table 1). The bulk of the remaining larvae collected were cyprinidae (29.46 percent) and spotted sucker, *Minytrema melanops* (20.40 percent).

Spatial Distribution

Mean densities of American shad eggs over all diel sampling events at Transect 1 were somewhat higher at Sectors B and G (67.61 ±9.17 and 61.39 ±5.99 eggs/1,000m^3, respectively; Table 4-7) than at Sectors M and S (40.02 ±4.76 and 30.77 ±4.97 eggs/1,000m^3). At Transect 2 American shad egg densities were considerably higher at Sector B (mean = 77.28 ±7.63 eggs/1,000m^3) than the other sectors (range of means: 21.76 ±2.04 to 51.84 ±4.77 eggs/1,000m^3). Sector B, the sector located along the bottom of the river channel, would likely contain more American shad eggs, because they are demersal (Chittendon, 1976; R. Eager, personal communication). Although demersal, American shad eggs are nonadhesive (Mackenzie et al. 1985) and easily scattered by river currents (Lippson and Moran 1974), so they are found throughout the water column as well as along the bottom. A statistical treatment of the differences in American shad egg densities among sectors is described in Section 4.2.1.2.

American shad larvae generally exhibited low mean densities in most sectors of both transects (0.22 ±0.14 to 0.58 ±0.19 larvae/1,000m^3; Table 4-7), except in Sector S at Transect 1, which had a mean density of 1.74 ±0.32 larvae/1,000m^3. Mean densities of striped bass eggs were somewhat lower at Transect 1, where they ranged from 1.79 ±0.68 eggs/1,000m^3 in Sector M to 4.04 ±1.47 eggs/1,000m^3 in Sector G, than at Transect 2 where the range was 3.83 ±1.40 to 5.02 ±1.71 eggs/1,000m^3. The overall mean striped bass egg density at Transect 2 (4.42 ±0.76) was higher than the overall mean for Transect 1 (2.68 ±0.55). This indicates that striped bass spawning may occur between the two transects. Sector means for striped bass eggs were similar at Transect 2; the greater variability among the sector means for Transect 1 was considered to be due the overall low numbers and sporadic occurrence of striped bass eggs rather than predictable sector differences. Fish larvae other than American shad collected at Transect 1 exhibited similar mean densities across Sectors B, G, and M (24.50 ±2.58 to 34.24 ±4.82 larvae/1,000m^3), but considerably higher densities at Sector S (106.47 ±18.66 larvae/1,000m^3). (A statistical treatment of the differences in total larval densities among sectors at Transect 1 is described in Section 4.2.1.2.) At Transect 2, mean densities of the other

fish larvae ranged from 14.38 ±1.19 larvae/1,000m^3 in Sector M to 55.55 ±10.89 larvae/1,000m^3 in Sector G.

Temporal Distribution

Mean densities of American shad eggs collected between 2300 and 0300 hours are mostly higher (86.48 ±16.45 to 169.43 ±21.69 eggs/1,000m^3) than those collected during other time periods (6.79 ±1.19 to 89.33 ±15.59 eggs/1,000m^3; Table 4-8). This is not unexpected, because American shad spawn primarily at night (Chittendon, 1976). Mr. Rick Eager (personal communication) of the United States Fish and Wildlife Service, who specializes in anadromous fish species (i.e., American shad and striped bass) in the Savannah River, reports that he has not found any American shad spawning to occur during daylight hours. Differences between transects are apparent in the distribution of American shad egg means by time period - variability is greater at Transect 1 (range: 6.79 ±1.19 to 169.43 ±21.69 eggs/1,000m^3) than at Transect 2 (range: 21.30 ±3.37 to 105.13 ±12.82 eggs/1,000m^3; Table 4-8). As previously discussed, densities of American shad larvae were generally low, and they were distributed without apparent pattern across time periods.

Striped bass eggs were collected in the highest mean densities (11.53 ±4.64 and 13.86 ±5.32 eggs/1,000m^3) during the 0100-0300 time period, although some afternoon mean densities were nearly as high (Table 4-8). The distribution of striped bass eggs among time periods was not similar between transects. For example, mean densities were about 11 eggs/1,000m^3 for the 1500-1900 interval at Transect 2, while they were zero for the same interval at Transect 1. Striped bass eggs were collected during four of the nine diel sampling events, and on only two of these events were they taken at both transects (Figures 4-2 and 4-3). The occurrence of eggs was usually restricted to part of the day, and this was most obvious during the April events. Striped bass are reportedly night/evening spawners; recent studies on the Congaree River in South Carolina indicated that 80 percent of the striped bass spawning occurs between late afternoon and early morning (Bulak, 1988). The restricted occurrence of striped bass eggs in time may indicate local spawning events,

and the existence of more than one spawning location may be inferred from the varied times at which they arrived at each transect. (More detailed statistics for American shad and striped bass ichthyoplankton densities are listed in Appendix Tables 2 and 3.)

Fish eggs other than American shad and striped bass had most of their highest mean densities (greater than 18 eggs/1,000m^3) during the 2100-0100 sampling periods (Table 4-8). Fish larvae other than American shad were collected in their highest mean density (150.76 $\pm$60.21 larvae/1,000m^3) during the 2300-0100 time period.

Water temperature, dissolved oxygen (DO), pH, and conductivity were measured during diel ichthyoplankton sampling. Temperatures ranged from 15.10 to 26.20°C, DO from 3.94 to 9.71 mg/l, pH from 5.10 to 8.05, and conductivity from 27 to 98 μmhos (Table 4-9). Although the lowest DO and pH values fall below South Carolina and Georgia water quality criteria (individual DO > 4 mg/l, 6 < pH < 8.5), the median and mean values for all water quality parameters were well within acceptable levels. Values for pH were below 6.0 only on Transect 1, and may indicate the influence of Upper Three Runs, a blackwater stream flowing into the Savannah River about 75 m upstream of Transect 1. Otherwise, Transect 2 and Transect 1 had very similar water quality values. The 3.94 mg/l value was the only DO measurement below 4 mg/l; it occurred in Sector M of Transect 2 at 0234 hours on 1 May. (More detailed statistics for diel water quality data are listed in Appendix Table 4.)

4.2.1.2 Statistical Testing

<u>American Shad Egg Density</u>

As described previously, American shad eggs were typically present in the Savannah River during the study period, and were more dense at night than during the day. This diel change was seen as a source of variability which could be eliminated to improve determination of the differences among river sectors, which are of concern for estimating entrainment. The ANCOVA model adjusted $\log_e$ transformed egg densities

by fitting a third order polynomial to the data, with time of day as the predictor variable. For Transect 1, the ANCOVA model was significant ($p < .0001$) in all but one of the sampling events, and the significant models explained from 38 percent to 69 percent ($r^2 = 0.38$ to 0.69) of the variability in the data (Table 4-10). The coefficients for the time variables in these models indicated that the shapes of the fitted curves changed considerably among sampling events. Type III F values are determined without regard for the order in which the effects enter the model, and the Type III F values for sector were significant in seven of the nine models for Transect 1. Sector means adjusted for time of day were most often highest for Sector G, ranging from 10.2 to 73.8 eggs/1,000m^3. Sector B was highest for two sampling events, and the adjusted means for Sector S (0.9 to 35.7 eggs/1,000m^3) was usually significantly lower than the highest mean.

Models for Transect 2 were significant ($p < .001$) in all cases, and they explained from 27 percent to 57 percent of the variation in the data (Table 4-11). As with Transect 1, the change in coefficients for the powers of t for Transect 2 models indicated that the shapes of the curves varied from sampling event to sampling event. The main effect, sector, was significant in all but one of the nine models. Adjusted means were highest in Sector B (range: 5.0 to 141.1 eggs/1,000m^3) in all save one of the sampling events. The means adjusted for time of day at Sector M were not significantly different from the adjusted Sector B means in all cases. Sector G typically had the lowest means, ranging from 1.9 to 34.3 eggs/1,000m^3. This contrasts with the results for Transect 1, where Sector G means were usually the highest (Table 4-10).

Dedielization followed by ANOVA on American shad egg densities yielded only slightly different results from the ANCOVA for Transect 1. Seven of the nine dedielized models were significant ($p < .01$), and the significant models accounted for 16 percent to 36 percent of the variability remaining after adjustment (Table 4-12). Sector means adjusted by dedielization (Table 4-12) were very similar to the sector means adjusted by ANCOVA (Table 4-10) for Transect 1.

For Transect 2, there were more differences between the two approaches than was apparent for Transect 1. Two dedielized models were not significant at $p = .05$ and

two others had $p > .01$ (Table 4-13), while all the ANCOVA models were significant ($p < .01$) for Transect 2 (Table 4-11). Significant ANOVA models following dedielization explained 11 percent to 36 percent of the remaining variation in the data (Table 4-13). Although still quite similar, sector means derived from dedielization and ANCOVA for Transect 2 were more disparate than for Transect 1.

Larval Density

Taken as a group, fish larvae were fairly abundant in the Savannah River during the study and showed some diel changes in density. Therefore, total larval density was analyzed by the technique of dedielization followed by ANOVA. Preliminary viewing of data plots indicated very little difference among sectors for Transect 2, so it was not included in this analysis. For Transect 1, dedielized models were significant for all but one sampling event (7-8 May; Table 4-14), and that was when no nighttime samples were taken. The significant models explained from 10 percent to 29 percent of the variability remaining after adjustment for time of day. In every case Sector S had the highest mean (range: 18.8 to 79.5 larvae/1,000m^3), and in four cases it was significantly higher than all the other sector means. Sector B had the lowest mean most often, and all of the Sector B means ranged from 8.5 to 37.6 larvae/1,000m^3. The same four larval taxa accounted for most of the relative abundance at all four sectors (Table 4-15). However, Sector S had the lowest relative abundance of Cyprinidae, *Minytrema melanops*, and *Cyprinus carpio*, and the highest relative abundance of *Pomoxis* sp. and *Notemigonus chrysoleucas*. These differences may reflect the influence of Upper Three Runs, or the somewhat lower water velocities and higher amounts of cover in Sector S at Transect 1.

4.2.2 Day/Night Sampling

Relative Abundance

Fourteen (14) day/night sampling events yielded 542 samples containing a total of 2,128 fish eggs and 1,217 larvae (Appendix Table 1). During day/night sampling, 69.4 percent of the fish eggs collected were from American shad, and 4.5 percent were striped bass eggs. These proportions were similar to those obtained during diel sampling. The bulk of the remaining eggs were unknown/unidentifiable eggs (22.9 percent) and percidae eggs (2.9 percent).

As during diel sampling, cyprinid larvae dominated the day/night samples (34.8 percent; Appendix Table 1). Larval *Lepomis* sp. comprised 23.3 percent of the samples collected, and 14.6 percent were *Minytrema melanops*. While *Lepomis* sp. constituted 23.3 percent of the total day/night catch, it made up only 4.7 percent of the diel catch. This discrepancy was caused by an unusually high number of *Lepomis* sp. collected at both transects on June 6 during day/night sampling (Appendix Table 5). Similarly, the overall relative abundance of *Micropterus salmoides* was considerably higher during day/night sampling than during diel sampling (6.27 percent versus 0.17 percent, respectively) due to high numbers collected on this same date. A single sturgeon was collected during day/night sampling.

Spatial Distribution

At both Transects 1 and 2, mean densities of American shad eggs were greatest at the bottom locations (CB, LB, and RB; Table 4-16). This is consistent with both the diel data and the previously referenced finding that the eggs are demersal. The means for all bottom locations at Transect 2 are comparable to means at Transect 1 locations LB and CB (range: 36.37 to 48.12 eggs/1,000m^3). However, the American shad egg mean for location RB at Transect 1 is much lower, 19.82 eggs/1,000m^3. Similar findings were described for the diel data, where Sector S (South Carolina side, which is equivalent to R [Right] side) had the lowest mean American shad egg density of the

sectors at Transect 1. Mean densities of American shad larvae were low at all locations and transects, ranging from 0 to 0.74 larvae/1,000m^3. At Transect 1, no striped bass eggs were collected at any location except CB, where a single egg was collected over all day/night sampling events. In contrast, striped bass eggs were collected at Locations CB, CS, LB, and LS at Transect 2, reaching a maximum mean density of 8.33 eggs/1,000m^3.

Fish eggs other than American shad and striped bass had mean densities at Transect 1 ranging from 3.79 eggs/1,000m^3 at CS to 18.79 eggs/1,000m^3 at RS (Table 4-16), with no consistent differences among locations. At Transect 2, fairly equitable distribution of the means for other fish eggs across sampling locations was observed, with values varying from 8.39 to 15.11 eggs/1,000m^3. Mean densities of fish larvae other than American shad collected at Transect 1 had a wide range - from 8.63 larvae/1,000m^3 at CB to 101.07 larvae/1,000m^3 at RS. Again, this is similar to the diel data, where Sector S at Transect 1 had a considerably higher mean than all other sectors. Relative abundances for most of the numerically important larval taxa were comparable among the sampling locations at Transect 1 (Table 4-17). However, locations RS and RB had much higher densities and relative abundances of *Lepomis* sp. and *Micropterus salmoides*. At Transect 2, mean densities of other fish larvae were somewhat less variable, with the lowest mean occurring at Location CB (8.70 larvae/1,000m^3; Table 4-16) and the highest means occurring at Locations LB and LS (24.01 and 23.09 larvae/1,000m^3).

Temporal Distribution

Mean densities of American shad eggs increased from daytime values of 11.18 and 14.81 eggs/1,000m^3 at Transects 1 and 2, respectively, to nighttime levels of 45.15 and 64.70 eggs/1,000m^3 (Table 4-18). Similar increases were seen in the diel data and can be attributed to the American shad's nocturnal spawning habits.

Mean densities of fish eggs and larvae other than American shad and striped bass also increased dramatically in night samples at both transects. Transect 1 had the highest

nighttime mean for other larvae, 69.85/1,000m^3 (Table 4-18). Nocturnal increases in drift rates have been reported for a variety of freshwater larvae (Lindsey and Northcote, 1963; Green, et al. 1966; Clifford, 1972; Gale and Mohr, 1978). Lathrop (1981) reported 80-85 percent of the total study catch was collected at night. Few striped bass eggs were collected during day/night sampling, and a time of day comparison did not appear to be meaningful. (More detailed statistics for day/night densities of ichthyoplankton are listed in Appendix Table 6.)

No meaningful differences in water temperature, DO, and conductivity appeared to exist between transects (Table 4-19). The minimum pH value at Transect 1, 4.20, was considerably lower than the minimum at Transect 2, 5.80, but the other pH statistics were similar between the transects. Although the lowest pH values fell below South Carolina and Georgia water quality criteria ($6 < pH < 8.5$), all mean and median values were well within acceptable levels. (More detailed statistics for day/night water quality data are listed in Appendix Table 7.)

4.2.3 Mock-Bridle Experiments

Paired *t* tests indicated that there was no effect of the mock bridle on catch rates of fish larvae in day or night samples (Table 4-20).

5.0 SUMMARY

Thirty-three distinct taxa were identified during the study. American shad accounted for 76 percent of all the fish eggs collected, and striped bass represented 5 percent. Four larval sturgeon were taken, but these could not be identified to the species level. No sturgeon eggs nor larval striped bass were collected. Larvae identified as minnows (cyprinids) and spotted suckers made up most of the larvae taken; American shad larvae were about 1 percent of the total.

American shad eggs were collected on all sampling events, which spanned an interval from 28 March to 14 June 1991. Striped bass eggs were first collected during the 8-10 April sampling event, last collected 3 June, and occurred on only 4 of the 15 intervening sampling events. All sturgeon larvae were taken in April.

Ichthyoplankton were more abundant at night, and densities tended to rise in the evening and fall in the morning. Two approaches, ANCOVA and dedielization, were used to adjust densities of American shad eggs for the variation due to time of day, and thereby improve the determination of differences within river sectors. Similar results were obtained with the two approaches, but dedielization has an advantage in not forcing assumptions about the distribution of densities through time. Means adjusted for time of day indicated that American shad egg densities were highest in Sectors G and B and lowest in Sector S at Transect 1 (upstream of the 1G pump house). At Transect 2 (upstream of the 3G pump house), adjusted American shad egg densities were highest in Sectors B and M, and lowest in Sector G. Total larval densities did not appear to differ among sectors at Transect 2, but at Transect 1 mean larval densities adjusted by dedielization were always highest in Sector S and lowest most often in Sector B.

Striped bass egg densities did not appear to have meaningful differences among sectors of the river. They were more abundant at Transect 2, they were often collected over relatively short (4 to 8 hour) time intervals, and the time of day during which they occurred changed between sampling events at each transect. More than one local spawning area for striped bass may be inferred from these observations.

Paired *t* tests indicated that there was no effect of the mock bridle on catch rates of fish larvae in day or night samples.

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TABLE 3-1

ICHTHYOPLANKTON SAMPLING EVENTS
ON THE SAVANNAH RIVER, 1991

Event No.	Dates	Sampling Program
1	March 28-29	Day/Night
2	April 2-3	Diel
3	April 5	Day/Night
4	April 8-10	Diel
5	April 11-12	Day/Night
6	April 15, 17-19	Diel
7	April 16, 19	Day/Night
8	April 22-24	Diel
9	April 25-26	Day/Night
10	April 29-30	Diel
11	May 2-3	Day/Night
12	May 7-8	Diel
13	May 10	Day/Night
14	May 13-14	Diel
15	May 17	Day/Night
16	May 20-22	Diel
17	May 24	Day/Night
18	May 28-29	Diel
19	May 31	Day/Night
20	June 3	Day/Night
21	June 6	Day/Night
22	June 10-11	Day/Night
23	June 13-14	Day/Night

TABLE 4-1

SAVANNAH RIVER PHYSICAL CHARACTERIZATION AT WATER INTAKES
TRANSECT 1
Current Velocity: (m/sec)

DATE: 4-11-91

Personnel: M. Breiner, M. Shields, R. Steffen

Gage Height: 91.0

DEPTH (m)	DISTANCE FROM S.C. BANK: METERS													
	5	10	15	20	25	30	35	40	45	50	55	60	65	68
Surface	.54	.75	1.16	1.21	1.25	1.24	1.22	1.27	1.28	1.22	1.01	0.85	0.31	
1	.54	.80	1.17	1.23	1.24	1.32	1.38	1.25	1.26	1.29	1.07	0.90	0.71	
2	.59	.96	1.22	1.28	1.25	1.26	1.12	1.20	1.18	1.19	1.01	0.83	0.75	
3	.60	.94	1.25	1.26	1.19	1.17	1.24	1.18	1.09	1.19	0.94	0.64	0.33	
4	.20	.87	1.19	1.30	1.12	1.03	1.02	1.09	1.07	0.99	0.99	0.50	0.17	
5		.81	1.07	1.22	0.98	0.89	1.11	0.90	1.11	1.05	0.91	0.38		
6		.25	0.99	1.10	0.97	0.91	1.04	0.84	0.86	0.85	0.77			
7			0.69	1.13	0.88	0.20	0.74							
8			0.24	1.04	0.51									
9				0.64										
10														
Depth to Bottom (m)	3.6	5.5	7.5	7.0	7.2	7.2	6.5	6.3	6.1	5.9	5.5	5.0	4.0	

METER: Swoffer Mod. 2100

Note: Depth may be less than last velocity reading due to angle of current meter cable. Final depth measured accurately with separate weight.

TABLE 4-1 (Continued)

SAVANNAH RIVER PHYSICAL CHARACTERIZATION AT WATER INTAKES
TRANSECT 2
Current Velocity: (m/sec)

DATE: 4-17-91

Personnel: S. Mills, M. Shields, W. Starkel

Gage Height: 91.5 ft. @ 1415
91.5 ft. @ 1815

DEPTH (m)	DISTANCE FROM S.C. BANK: METERS																				
	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
Surface	.31	.53	1.13	1.31	1.21	1.30	1.23	1.17	1.33	1.25	1.27	1.30	1.05	1.11	1.16	.81	.64	.64	.41	.34	.12
1	.33	.83	1.14	1.19	1.25	1.12	1.19	1.31	1.01	1.32	1.06	1.15	1.10	1.23	.81	.69	.66	.72	.41	.33	.25
2	.40	1.06	1.20	1.15	1.07	1.17	1.25	1.11	1.18	1.08	1.14	1.05	.98	1.17	.70	.71	.64	.61	.42	.32	.05
3	.6	1.07	1.09	1.13	1.10	1.20	1.19	1.05	1.14	.95	.84	.95	.91	.63		.67	.59	.58			
4		1.08	1.00	0.87	.95	1.02	1.18	.85	.87	.93	.94										
5		1.02	0.72	1.11	.76	.74	.66	.69													
6		0.96	0.81	.69	.43																
7		0.82		.68																	
8																					
9																					
10																					
Depth to Bottom (m)	2.5	6.5	5.5	7.0	6.0	5.0	5.0	5.0	3.5	4.0	3.3	2.45	2.4	2.3	2.1	2.3	2.5	2.3	2.1	2.0	1.5

METER: Swoffer Mod. 2100

Note: Depth may be less than last velocity reading due to angle of current meter cable. Final depth measured accurately with separate weight.

TABLE 4-2

SAVANNAH RIVER STAGES FOR EACH SAMPLING EVENT, 1991

Sampling Event	Program	Date	Time	Transect	Stage Feet
1	Day/Night	28-29 Mar	2000		87.0
2	Diel	2-3 Apr	1900	1	90.8
			0500	1	89.4
			0630	2	89.9
3	Day/Night	5 Apr	0830		94.1
4	Diel	8-10 Apr	1300	1	90.7
			0148	1	90.7
			1320	2	87.0
			0429	2	87.6
5	Day/Night	11-12 Apr	2053		91.4
6	Diel	15,17-19 Apr	1444	1	86.2
			0100	1	91.5
			1330	2	91.9
			0100	2	91.8
7	Day/Night	16 Apr	1518		90.0
7	Day/Night	19 Apr	2035		91.8
8	Diel	22-24 Apr	1300	1	84.8
			0142	1	84.9
			1300	2	85.9
			0142	2	87.2
9	Day/Night	24-26 Apr	2000		87.0
10	Diel	29-30 Apr	1400	1	84.4
			0200	1	86.1
			1300	2	88.6
			0200	2	89.8
11	Day/Night	2-3 May	0031		92.5
12	Diel	7-8 May	0726	1	94.4
			0800	2	95.1
13	Day/Night	10 May	0841		95.5
14	Diel	13-14 May	0200	1	93.0
			1230	1	92.2
			0200	2	90.9
			1300	2	91.8
15	Day/Night	17 May	0908		92.6
16	Diel	20-22 May	1330	1	91.1
			0200	1	92.0
			1300	2	92.4
			0200	2	92.7
17	Day/Night	24 May	0957		93.1
18	Diel	28-29 May	0100	1	90.0
			1315	1	91.5
			0200	2	92.2
			1300	2	92.6
19	Day/Night	31 May	1350		92.9
20	Day/Night	3 Jun	1622		89.2
21	Day/Night	6 Jun	1630		85.9
22	Day/Night	10-11 Jun	1553		84.7
23	Day/Night	13-14 Jun	1609		85.7

TABLE 4-3

SECTOR DIMENSIONS, WIDTH x DEPTH (METERS)

Sampling Event		SECTOR			
		S	M	G	B
TRANSECT 1					
2-3 Apr		22.7 x 4.0	22.7 x 4.0	22.7 x 3.2	40 x 2.2
8-10 Apr		22.7 x 5.0	22.7 x 5.0	22.7 x 4.2	40 x 1.6
15, 17-19 Apr	L	22.7 x 4.0	22.7 x 4.0	22.7 x 3.2	40 x 1.2
	H	22.7 x 5.0	22.7 x 5.0	22.7 x 4.2	40 x 1.9
22-24 Apr		22.7 x 3.8	22.7 x 3.8	22.7 x 3.2	40 x 1.0
29-30 Apr	L	22.7 x 3.0	22.7 x 3.0	22.7 x 2.2	40 x 1.7
	H	22.7 x 4.0	22.7 x 4.0	22.7 x 3.2	40 x 1.2
7-8 May		22.7 x 6.0	22.7 x 6.0	22.7 x 5.2	40 x 1.7
13-14 May		22.7 x 6.0	22.7 x 6.0	22.7 x 5.2	40 x 1.3
20-22 May		22.7 x 5.7	22.7 x 5.7	22.7 x 5.2	40 x 1.0
28-29 May		22.7 x 5.0	22.7 x 5.0	22.7 x 4.2	40 x 1.4
TRANSECT 2					
2-3 Apr		35 x 3.4	35 x 2.8	35 x 1.6	40 x 1.0
8-10 Apr		35 x 2.5	35 x 1.9	35 x 0.7	40 x 1.0
15, 17-19 Apr		35 x 4.0	35 x 3.4	35 x 2.2	40 x 1.0
22-24 Apr		35 x 2.1	35 x 1.6	35 x 0.4	40 x 1.0
29-30 Apr		35 x 2.9	35 x 2.4	35 x 1.2	40 x 1.0
7-8 May		35 x 4.9	35 x 4.4	35 x 3.2	40 x 1.0
13-14 May		35 x 3.7	35 x 3.1	35 x 1.9	40 x 1.0
20-22 May		35 x 4.1	35 x 3.6	35 x 2.4	40 x 1.0
28-29 May		35 x 4.1	35 x 3.5	35 x 2.3	40 x 1.0

TABLE 4-4

SPECIES LIST OF ICHTHYOPLANKTON (EGG AND LARVA) IDENTIFIED FROM THE SAVANNAH RIVER, 1991

COMMON NAME	SCIENTIFIC NAME	EGG	LARVA
American shad	*Alosa sapidissima*	x	x
Atlantic needlefish	*Strongylura marina*		x
Banded pygmy sunfish	*Elassoma zonatum*		x
Black crappie	*Pomoxis nigromaculatus*		x
Blueback herring	*Alosa aestivalis*		x
Bluegill	*Lepomis macrochirus*		x
Bowfin	*Amia calva*		x
Brook silverside	*Labidesthes sicculus*		x
Bullhead/catfish family	Ictaluridae		x
Channel catfish	*Ictalurus punctatus*		x
Chubsucker species	*Erimyzon sp.*		x
Coastal shiner	*Notropis pattersoni*		x
Common carp	*Cyprinus carpio*		x
Crappie species	*Pomoxis sp.*		x
Eastern mudminnow	*Umbra pygmaea*		x
Flat bullhead	*Ameiurus platycephalus*		x
Flier	*Centrarchus macropterus*		x
Gar family	*Lepistosteus sp.*		x
Gizzard shad	*Dorosoma cepedianum*		x
Golden shiner	*Notemigonus crysoleucas*		x
Herring/shad family	Clupeidae		x
Hickory shad	*Alosa mediocris*	x	x
Highfin carpsucker	*Carpiodes velifer*	x	x
Largemouth bass	*Micropterus salmoides*		x
Minnow family	Cyprinidae	x	x
Perch family	Percidae	x	x
Pike/pickerel	*Esox sp.*		x
Pirate perch	*Aphredoderus sayanus*		x
Pygmy sunfish	*Elassoma sp.*		x
Redbreast sunfish	*Lepomis auritus*		x
Shad species	*Dorosoma sp.*		x
Spotted sucker	*Minytrema melanops*		x
Striped bass	*Morone saxatilis*	x	
Sturgeon	*Acipenser sp.*		x
Sunfish species	*Lepomis sp.*		x
Sunfish family	Centrarchidae		x
Swampfish	*Chologaster cornuta*		x
Tessellated darter	*Etheostoma olmstedi*		x
White catfish	*Ameiurus catus*		x
Whitefin shiner	*Cyprinella nivea*		x
Yellow perch	*Perca flavescens*		x

TABLE 4-5

MEAN ICHTHYOPLANKTON DENSITIES (NO./1000m^3) BY TRANSECT AND SAMPLING EVENT

SAMPLING EVENT	Alosa sapidissima eggs	Alosa sapidissima larvae	Morone saxatilis eggs	Other eggs	Other larvae	Acipenser sp. larvae
TRANSECT 1						
28-29 MAR	25.43	0.00	0.00	5.76	5.79	0.00
02-03 APR	11.46	0.27	0.00	3.66	19.64	0.00
05 APR	0.76	0.00	0.00	0.00	10.42	0.00
08-10 APR	68.62	0.55	5.79	10.48	89.49	0.00
11-12 APR	13.80	0.00	0.00	2.16	7.17	0.00
15,17-19 APR	75.05	0.00	0.00	8.24	34.43	0.15
16,19 APR	30.01	0.00	0.00	23.06	13.99	0.00
22-24 APR	88.41	0.21	0.00	8.85	118.33	0.09
25-26 APR	123.10	0.00	0.57	63.75	13.23	0.00
29-30 APR	99.54	1.17	0.00	12.89	45.54	0.00
02-03 MAY	36.56	0.42	0.00	12.77	103.05	0.00
07-08 MAY	9.06	0.33	0.00	6.34	22.59	0.00
10 MAY	3.97	0.00	0.00	0.00	22.69	0.00
13-14 MAY	34.08	0.71	5.79	11.59	53.72	0.00
17 MAY	4.77	0.00	0.00	3.87	3.53	0.00
20-22 MAY	28.47	1.79	0.00	6.29	17.65	0.00
24 MAY	10.29	0.99	0.00	3.89	2.85	0.00
28-29 MAY	20.93	1.09	11.62	11.51	17.27	0.00
31 MAY	6.54	0.00	0.00	0.00	0.00	0.00
03 JUN	2.73	1.81	0.00	0.47	38.93	0.00
06 JUN	22.80	0.42	0.00	3.74	156.13	0.00
10-11 JUN	7.86	0.40	0.00	0.00	8.25	0.00
13-14 JUN	6.03	0.00	0.00	0.00	4.66	0.00

TABLE 4-5 (Continued)

SAMPLING EVENT	Alosa sapidissima eggs	Alosa sapidissima larvae	Morone saxatilis eggs	Other eggs	Other larvae	Acipenser sp. larvae
TRANSECT 2						
28-29 MAR	13.58	0.00	0.00	6.15	2.40	0.00
02-03 APR	24.37	0.00	0.00	8.37	16.56	0.18
05 APR	0.00	0.00	0.00	1.75	14.58	0.00
08-10 APR	111.16	0.00	19.44	18.89	49.81	0.00
11-12 APR	4.27	0.00	0.00	9.40	7.92	0.00
15,17-19 APR	12.59	0.00	0.00	7.66	16.78	0.00
16,19 APR	34.50	0.00	0.00	6.01	9.70	0.43
22-24 APR	93.05	0.00	0.00	19.07	46.07	0.00
25-26 APR	193.31	0.00	0.00	63.91	17.36	0.00
29-30 APR	65.09	0.80	7.80	31.79	58.05	0.00
02-03 MAY	55.72	0.32	0.00	10.08	22.78	0.00
07-08 MAY	4.68	0.21	0.00	2.52	21.14	0.00
10 MAY	5.76	0.68	0.00	6.18	22.87	0.00
13-14 MAY	60.73	0.63	12.03	12.51	37.51	0.00
17 MAY	8.72	0.00	0.00	4.00	8.61	0.00
20-22 MAY	26.51	0.68	0.00	3.91	11.34	0.00
24 MAY	13.47	0.89	0.00	5.50	0.87	0.00
28-29 MAY	8.55	0.80	0.00	4.94	6.35	0.00
31 MAY	5.89	1.10	0.00	0.00	3.03	0.00
03 JUN	16.78	0.00	43.89	30.36	10.00	0.00
06 JUN	28.64	0.00	0.00	1.04	65.95	0.00
10-11 JUN	13.70	0.00	0.00	2.11	14.70	0.00
13-14 JUN	7.55	0.00	0.00	0.00	4.11	0.00

TABLE 4-6

MEAN WATER QUALITY VALUES BY TRANSECT AND MONTH

Month	Temperature (°C)	Dissolved Oxygen (mg/l)	pH	Conductivity (μmhos/cm)
TRANSECT 1				
March	16.14 ±0.04[a]	9.22 ±0.06	6.94 ±0.07	63.33 ±1.00
April	17.53 ±0.08	7.69 ±0.05	6.71 ±0.02	67.40 ±0.93
May	19.25 ±0.07	7.52 ±0.05	6.98 ±0.01	60.50 ±0.57
June	21.77 ±0.10	7.66 ±0.08	6.75 ±0.03	78.40 ±1.58
TRANSECT 2				
March	16.30 ±0.06	9.04 ±0.07	6.87 ±0.11	63.20 ±0.96
April	17.56 ±0.10	7.97 ±0.06	6.87 ±0.01	58.65 ±0.76
May	18.86 ±0.06	7.77 ±0.04	6.92 ±0.01	57.38 ±0.53
June	21.73 ±0.10	7.67 ±0.08	6.82 ±0.01	78.42 ±1.41

[a] Standard error of the mean

TABLE 4-7

MEAN ICHTHYOPLANKTON DENSITIES (NO./1000m^3) BY TRANSECT AND SECTOR OVER ALL DIEL SAMPLING EVENTS

Transect	Sector	*Alosa sapidissima* eggs	*Alosa sapidissima* larvae	*Morone saxatilis* eggs	Other eggs	Other larvae
1	B	67.61 ±9.17[a]	0.58 ±0.19	2.42 ±0.96	8.03 ±1.10	24.50 ±2.58
	G	61.39 ±5.99	0.22 ±0.14	4.04 ±1.47	8.53 ±1.16	25.56 ±2.16
	M	40.02 ±4.76	0.25 ±0.13	1.79 ±0.68	7.14 ±0.85	34.24 ±4.82
	S	30.77 ±4.97	1.74 ±0.32	2.49 ±1.14	12.34 ±2.43	106.47 ±18.66
2	B	77.28 ±7.63	0.28 ±0.12	3.83 ±1.40	16.16 ±1.82	19.70 ±1.60
	G	21.76 ±2.04	0.40 ±0.19	5.02 ±1.71	9.84 ±1.58	55.55 ±10.89
	M	51.84 ±4.77	0.31 ±0.14	4.43 ±1.55	11.95 ±1.35	14.38 ±1.19
	S	34.36 ±3.37	0.44 ±0.17	4.40 ±1.40	12.15 ±1.35	28.46 ±2.53
1	All Sectors	49.99 ±3.27	0.70 ±0.11	2.68 ±0.55	9.00 ±0.76	47.55 ±4.99
2	All Sectors	46.28 ±2.56	0.36 ±0.08	4.42 ±0.76	12.52 ±0.77	29.52 ±2.88

[a] Standard error of the mean

TABLE 4-8

MEAN ICHTHYOPLANKTON DENSITIES (NO./1000m^3) BY TRANSECT AND TIME PERIOD OVER ALL DIEL SAMPLING EVENTS

TIME PERIOD	Alosa sapidissima eggs	Alosa sapidissima larvae	Morone saxatilis eggs	Other eggs	Other larvae
TRANSECT 1					
0100-0300	136.99 ±21.38[a]	0.88 ±0.41	11.53 ±4.64	6.55 ±1.63	54.10 ±10.83
0300-0500	63.60 ±8.41	0.93 ±0.50	1.54 ±0.73	10.46 ±2.70	77.76 ±18.23
0500-0700	38.55 ±6.56	0.75 ±0.37	0.00 ±0.00	7.60 ±1.35	88.45 ±19.62
0700-0900	30.48 ±4.34	0.53 ±0.39	0.00 ±0.00	6.33 ±1.21	37.77 ±6.20
0900-1100	32.88 ±5.65	0.98 ±0.36	1.81 ±1.62	5.63 ±0.89	24.25 ±2.92
1100-1300	33.17 ±6.77	0.00 ±0.00	7.89 ±2.72	9.58 ±2.29	22.72 ±2.86
1300-1500	12.51 ±1.64	0.27 ±0.19	0.27 ±0.19	5.45 ±1.14	21.87 ±3.36
1500-1700	11.52 ±1.56	0.58 ±0.35	0.00 ±0.00	5.38 ±1.19	21.19 ±2.67
1700-1900	6.79 ±1.19	1.09 ±0.46	0.00 ±0.00	5.64 ±1.06	19.02 ±2.00
1900-2100	15.72 ±3.53	1.25 ±0.46	1.14 ±0.86	13.57 ±6.82	30.23 ±4.87
2100-2300	89.33 ±15.59	0.65 ±0.41	6.84 ±2.90	18.19 ±3.54	56.78 ±14.77
2300-0100	169.43 ±21.69	0.38 ±0.28	2.56 ±2.11	18.44 ±3.80	150.76 ±60.21

TABLE 4-8 (Continued)

TIME PERIOD	Alosa sapidissima eggs	Alosa sapidissima larvae	Morone saxatilis eggs	Other eggs	Other larvae
TRANSECT 2					
0100-0300	105.13 ±12.82	1.38 ±0.58	13.86 ±5.32	18.98 ±3.28	51.76 ±14.30
0300-0500	55.83 ±7.34	0.49 ±0.28	0.85 ±0.46	18.19 ±3.58	32.87 ±4.94
0500-0700	53.27 ±11.31	0.44 ±0.31	0.10 ±0.10	10.17 ±2.23	36.47 ±7.69
0700-0900	29.45 ±4.88	0.00 ±0.00	0.70 ±0.49	9.98 ±2.12	16.53 ±2.26
0900-1100	35.86 ±6.35	0.18 ±0.18	1.27 ±0.82	13.10 ±2.22	12.73 ±1.85
1100-1300	21.30 ±3.37	0.47 ±0.33	0.00 ±0.00	3.74 ±1.00	10.87 ±1.82
1300-1500	34.78 ±5.67	0.31 ±0.22	2.28 ±1.08	6.54 ±1.48	20.47 ±2.51
1500-1700	26.71 ±5.36	0.18 ±0.18	11.07 ±4.55	6.80 ±1.23	15.89 ±2.42
1700-1900	29.98 ±6.45	0.00 ±0.00	11.32 ±4.18	5.82 ±1.20	17.62 ±2.73
1900-2100	30.34 ±4.00	0.78 ±0.38	7.93 ±2.64	12.51 ±2.20	26.97 ±5.08
2100-2300	47.37 ±6.47	0.19 ±0.19	2.03 ±0.97	21.73 ±3.82	34.29 ±17.05
2300-0100	86.48 ±16.45	0.00 ±0.00	0.99 ±0.99	22.03 ±3.97	78.86 ±22.93

[a] Standard error of the mean

TABLE 4-9

WATER QUALITY DATA OVER ALL DIEL SAMPLING EVENTS, SAVANNAH RIVER

		TRANSECT	
		1	2
TEMPERATURE (°C)	MEDIAN	18.30	17.90
	MEAN	18.43	18.23
	MAX	23.10	26.20
	MIN	15.20	15.10
	N	414.00	409.00
DISSOLVED OXYGEN (mg/l)	MEDIAN	7.49	7.90
	MEAN	7.48	7.79
	MAX	9.58	9.71
	MIN	4.08	3.94
	N	414.00	409.00
pH	MEDIAN	6.90	6.91
	MEAN	6.84	6.91
	MAX	8.05	7.72
	MIN	5.10	6.27
	N	389.00	407.00
CONDUCTIVITY (μmhos/cm)	MEDIAN	62.50	57.00
	MEAN	65.74	58.23
	MAX	98.00	81.00
	MIN	28.00	27.00
	N	414.00	409.00

TABLE 4-10

ANCOVA APPROACH TO SECTOR DIFFERENCES IN AMERICAN SHAD EGG DENSITY

TRANSECT 1

Sampling Events	Model Pr>F	r^2	Pr> |T| t	Pr> |T| t^2	Pr> |T| t^3	Coefficients t	Coefficients t^2	Coefficients t^3	Sector Type III Pr>F	Sector Means (geometric; eggs/1,000m³) B	G	M	S
2-3 Apr 91	0.3434	0.08	0.1409	0.0875	0.0798	$1.2\ E^{-3}$	$-1.5\ E^{-6}$	$<1\ E^{-9}$	0.4754	9.5[b]	10.2[a]	8.6[b]	5.9[b]
8-10 Apr 91	0.0001	0.38	0.4384	0.0408	0.0041	$1.4\ E^{-3}$	$-3.2E^{-6}$	$1\ E^{-9}$	0.0079	21.4	59.0[a]	21.3	35.7[b]
15, 17-19 Apr 91	0.0001	0.58	0.0507	0.5744	0.0167	$-2.1\ E^{-3}$	$-5.9\ E^{-7}$	$1\ E^{-9}$	0.0809	33.9[b]	38.9[a]	25.3[b]	17.9
22-24 Apr 91	0.0001	0.68	0.0133	0.0001	0.0001	$3.2\ E^{-3}$	$-5.6\ E^{-6}$	$2\ E^{-9}$	0.0001	70.6[a]	49.6[b]	42.8	20.9
29-30 Apr 91	0.0001	0.69	0.3842	0.0246	0.0002	$-8.4\ E^{-4}$	$-2.1\ E^{-6}$	$1\ E^{-9}$	0.0001	72.7[b]	73.8[a]	46.7[b]	17.5
7-8 May 91	0.0001	0.40	0.0160	0.0226	0.0362	$2.2\ E^{-2}$	$-1.7\ E^{-5}$	$4\ E^{-9}$	0.0003	6.7	12.6[a]	6.1	0.9
13-14 May 91	0.0001	0.43	0.7622	0.2175	0.0380	$4.8\ E^{-4}$	$-1.7\ E^{-6}$	$1\ E^{-9}$	0.0030	20.7[b]	29.0[a]	13.2	9.1
20-22 May 91	0.0001	0.48	0.0005	0.0985	0.6911	$-3.9\ E^{-3}$	$1.7\ E^{-6}$	$<1\ E^{-9}$	0.0413	15.0[b]	24.2[a]	18.6[b]	10.0
28-29 May 91	0.0001	0.40	0.3004	0.7072	0.2550	$-9.7\ E^{-4}$	$3.3\ E^{-7}$	$<1\ E^{-9}$	0.0009	22.8[a]	16.5[b]	14.2[b]	6.8

[a] Highest sector mean
[b] Not significantly different from the highest sector mean at p = 0.05

TABLE 4-11

ANCOVA APPROACH TO SECTOR DIFFERENCES IN AMERICAN SHAD EGG DENSITY

TRANSECT 2

Sampling Events	Model Pr>F	r^2	Pr> |T| t	t^2	t^3	Coefficients t	t^2	t^3	Sector Type III Pr>F	Sector Means (geometric; eggs/1,000m³) B	G	M	S
2-3 Apr 91	0.0001	0.32	0.2006	0.0112	0.0017	$1.2\ E^{-3}$	$-2.6\ E^{-6}$	$1\ E^{-9}$	0.0167	22.5[a]	8.5	20.8[b]	11.7
8-10 Apr 91	0.0001	0.57	0.8369	0.1605	0.0263	$-2.6\ E^{-4}$	$-1.5E^{-6}$	$1\ E^{-9}$	0.0001	141.1[a]	34.3	94.9[b]	54.1
15, 17-19 Apr 91	0.0001	0.39	0.0292	0.7029	0.4529	$-1.6\ E^{-3}$	$2.7\ E^{-7}$	$<1\ E^{-9}$	0.0372	12.5[a]	4.4	8.2[b]	7.7[b]
22-24 Apr 91	0.0001	0.33	0.0177	0.2327	0.6798	$-2.7\ E^{-3}$	$1.3\ E^{-6}$	$>-1\ E^{-9}$	0.0004	101.2[a]	32.7	71.7[b]	53.1
29-30 Apr 91	0.0001	0.49	0.0001	0.0001	0.0001	$-4.1\ E^{-3}$	$4.4\ E^{-6}$	$-1\ E^{-9}$	0.0001	79.7[a]	27.1	61.4[b]	21.8
7-8 May 91	0.0049	0.27	0.1561	0.1120	0.0811	$1.5\ E^{-2}$	$-1.3\ E^{-5}$	$4\ E^{-9}$	0.0087	5.0[b]	1.9	6.7[a]	1.4
13-14 May 91	0.0001	0.42	0.0550	0.3378	0.7026	$-2.8\ E^{-3}$	$1.2\ E^{-6}$	$>-1\ E^{-9}$	0.0001	66.8[a]	13.5	47.5[b]	34.5
20-22 May 91	0.0001	0.35	0.0087	0.0427	0.2066	$-3.0\ E^{-3}$	$2.2\ E^{-6}$	$>-1\ E^{-9}$	0.1512	25.2[a]	13.3	17.9[b]	14.7[b]
28-29 May 91	0.0001	0.33	0.0037	0.0117	0.0228	$-2.9\ E^{-3}$	$2.3\ E^{-6}$	$-1\ E^{-9}$	0.0001	11.7[a]	2.6	8.9[b]	2.1

[a] Highest sector mean
[b] Not significantly different from the highest sector mean at p = 0.05

TABLE 4-12

DEDIELIZATION APPROACH TO SECTOR DIFFERENCES IN AMERICAN SHAD EGG DENSITY

TRANSECT 1

Sampling Events	Model Pr>F	r^2	Sector Means (geometric; eggs/1,000m^3) B	G	M	S
2-3 Apr 91	0.3439	0.04	10.0[b]	10.1[a]	8.5[b]	5.7[b]
8-10 Apr 91	0.0006	0.17	20.0	58.8[a]	24.5	33.5[b]
15, 17-19 Apr 91	0.0785	0.07	33.1[b]	39.1[a]	24.6[b]	18.9[b]
22-24 Apr 91	0.0001	0.29	75.9[a]	39.7	45.8	22.8
29-30 Apr 91	0.0001	0.36	73.3[a]	72.6[b]	46.1[b]	18.0
7-8 May 91	0.0001	0.30	6.9[b]	13.2[a]	4.9	1.4
13-14 May 91	0.0009	0.16	19.4[b]	29.5[a]	13.1	9.8
20-22 May 91	0.0013	0.16	13.4	25.3[a]	18.2[b]	11.1
28-29 May 91	0.0001	0.20	23.1[a]	16.5[b]	13.4[b]	7.2

[a] Highest sector mean
[b] Not significantly different from the highest sector mean at p = 0.05

TABLE 4-13

DEDIELIZATION APPROACH TO SECTOR DIFFERENCES IN AMERICAN SHAD EGG DENSITY

TRANSECT 2

Sampling Events	Model Pr>F	r^2	Sector Means (geometric; eggs/1,000m^3) B	G	M	S
2-3 Apr 91	0.0128	0.12	21.8[a]	8.9	19.6[b]	12.6[b]
8-10 Apr 91	0.0001	0.36	129.9[a]	37.3	100.2[b]	51.9
15, 17-19 Apr 91	0.0105	0.11	12.7[a]	4.4	8.0[b]	7.8[b]
22-24 Apr 91	0.0001	0.26	100.8[a]	31.3	68.8[b]	57.8
29-30 Apr 91	0.0001	0.31	75.5[a]	28.7	58.0[b]	23.6
7-8 May 91	0.1469	0.08	8.3[a]	2.2[b]	6.6[b]	1.7[b]
13-14 May 91	0.0001	0.28	59.8[a]	15.9	48.0[b]	34.1[b]
20-22 May 91	0.2025	0.05	23.6[a]	14.1[b]	16.6[b]	16.2[b]
28-29 May 91	0.0001	0.28	12.3[a]	2.4	8.4[b]	2.3

[a] Highest sector mean
[b] Not significantly different from the highest sector mean at $p = 0.05$

TABLE 4-14

DEDIELIZATION APPROACH TO SECTOR DIFFERENCES IN TOTAL LARVAL DENSITY

TRANSECT 1

Sampling Events	Model Pr>F	r^2	Sector Means (geometric; larvae/1,000m^3) B	G	M	S
2-3 Apr 91	0.0005	0.19	8.5	9.7	9.3	28.3[a]
8-10 Apr 91	0.0191	0.10	37.6	42.9[b]	38.5	77.2[a]
15, 17-19 Apr 91	0.0008	0.17	13.5	9.4	9.9	33.9[a]
22-24 Apr 91	0.0001	0.20	20.1	48.1[b]	31.9	79.5[a]
29-30 Apr 91	0.0002	0.19	13.5	25.1[b]	21.1	52.1[a]
7-8 May 91	0.4279	0.04	16.7[b]	10.5[b]	17.8[b]	18.8[a]
13-14 May 91	0.0001	0.24	19.2	20.1	36.2[b]	56.1[a]
20-22 May 91	0.0001	0.29	12.6	3.7	12.5	24.7[a]
28-29 May 91	0.0008	0.17	11.3	8.9	9.0	22.2[a]

[a] Highest sector mean
[b] Not significantly different from the highest sector mean at $p = 0.05$

TABLE 4-15

MEAN DENSITY AND RELATIVE ABUNDANCE OF SELECTED LARVAL FISH AT TRANSECT 1 - DIEL SAMPLING

LARVAE/1,000 m^3
(%)

Taxon	SECTOR			
	B	G	M	S
Cyprinidae	7.39 (29.5)	8.79 (34.1)	8.24 (23.9)	23.87 (22.1)
Minytrema melanops	4.68 (18.7)	5.14 (19.9)	7.55 (21.9)	18.51 (17.1)
Cyprinus carpio	3.52 (14.1)	3.10 (12.0)	5.36 (15.5)	7.53 (7.0)
Pomoxis sp.	3.21 (12.8)	2.40 (9.3)	6.01 (17.4)	19.06 (17.6)
Notemigonus chrysoleucas	0.33 (1.3)	0.46 (1.8)	1.09 (3.2)	10.79 (10.0)
Sums	19.13 (76.4)	19.89 (77.1)	28.25 (81.9)	79.76 (73.8)

TABLE 4-16

MEAN ICHTHYOPLANKTON DENSITIES (NO./1,000m^3) BY TRANSECT AND LOCATION OVER ALL DAY/NIGHT SAMPLING EVENTS

		Alosa sapidissima eggs	Alosa sapidissima larvae	Morone saxatilis eggs	Other eggs	Other larvae
Transect	Location					
1	CB	36.37	0.45	0.30	9.90	8.63
	CS	17.72	0.22	0.00	3.79	30.86
	LB	39.49	0.00	0.00	10.06	10.69
	LS	21.26	0.00	0.00	8.90	13.42
	RB	19.82	0.44	0.00	8.87	28.88
	RS	12.20	0.74	0.00	18.79	101.07
2	CB	48.12	0.17	8.33	15.11	8.70
	CS	28.42	0.00	4.71	11.43	13.20
	LB	46.76	0.00	5.51	14.38	24.01
	LS	17.65	0.29	5.54	11.02	23.09
	RB	47.01	0.41	0.00	14.06	15.75
	RS	20.62	0.00	0.00	8.39	13.35
1	All locations	24.48	0.31	0.05	10.05	32.26
2	All locations	34.31	0.15	3.96	12.32	16.06

TABLE 4-17

MEAN DENSITY AND RELATIVE ABUNDANCE OF SELECTED LARVAL FISH AT TRANSECT 1 - DAY/NIGHT SAMPLING

LARVAE/1,000 m^3
(%)

Taxon	Sampling Location					
	LS	LB	CS	CB	RS	RB
Cyprinidae	0.35 (30.8)	0.30 (31.1)	2.04 (69.1)	0.17 (20.5)	3.07 (31.8)	0.76 (28.2)
Minytrema melanops	0.33 (28.9)	0.22 (22.2)	0.30 (10.3)	0.13 (15.4)	0.65 (6.8)	0.54 (20.2)
Carpiodes velifer	0.13 (11.5)	0.09 (8.9)	0.30 (10.3)	0.07 (7.7)	1.09 (11.3)	0.09 (3.2)
Cyprinus carpio	0.11 (9.6)	0.11 (11.1)	0.07 (2.2)	0.13 (15.4)	0.17 (1.8)	0.11 (4.6)
Lepomis sp.	0.11 (9.6)	0.07 (6.7)	0.13 (4.4)	0.13 (15.4)	3.41 (35.4)	0.67 (25.0)
Micropterus salmoides	0.00 (0.0)	0.02 (2.2)	0.02 (0.7)	0.00 (0.0)	0.93 (9.7)	0.28 (10.5)
Sums	1.03 (90.4)	0.81 (82.2)	2.86 (97)	0.63 (74.4)	9.32 (96.8)	2.45 (91.1)

TABLE 4-18

MEAN ICHTHYOPLANKTON DENSITIES (NO./1,000m^3) BY TRANSECT DURING DAY AND DURING NIGHT SAMPLING PERIODS

		TRANSECT 1		TRANSECT 2	
		Time Period		Time Period	
		Day	Night	Day	Night
Alosa sapidissima eggs	Mean	11.18	45.15	14.81	64.70
Morone saxatilis eggs	Mean	0.08	0.00	0.00	10.13
Other eggs	Mean	3.74	19.87	4.86	23.95
Alosa sapidissima larvae	Mean	0.25	0.40	0.25	0.00
Other larvae	Mean	8.09	69.85	8.60	27.70

TABLE 4-19

WATER QUALITY DATA OVER ALL DAY/NIGHT SAMPLING EVENTS, SAVANNAH RIVER

		TRANSECT	
		1	2
TEMPERATURE (°C)	MEDIAN	18.15	18.30
	MEAN	18.86	18.90
	MAX	22.60	22.60
	MIN	14.30	14.30
	N	138.00	133.00
DISSOLVED OXYGEN (mg/l)	MEDIAN	7.88	8.13
	MEAN	8.18	8.19
	MAX	10.66	9.82
	MIN	6.54	6.50
	N	138.00	133.00
pH	MEDIAN	6.80	6.81
	MEAN	6.79	6.80
	MAX	7.23	7.25
	MIN	4.20	5.80
	N	122.00	103.00
CONDUCTIVITY (μmhos/cm)	MEDIAN	65.00	65.00
	MEAN	65.11	64.92
	MAX	99.00	96.00
	MIN	45.00	45.00
	N	138.00	133.00

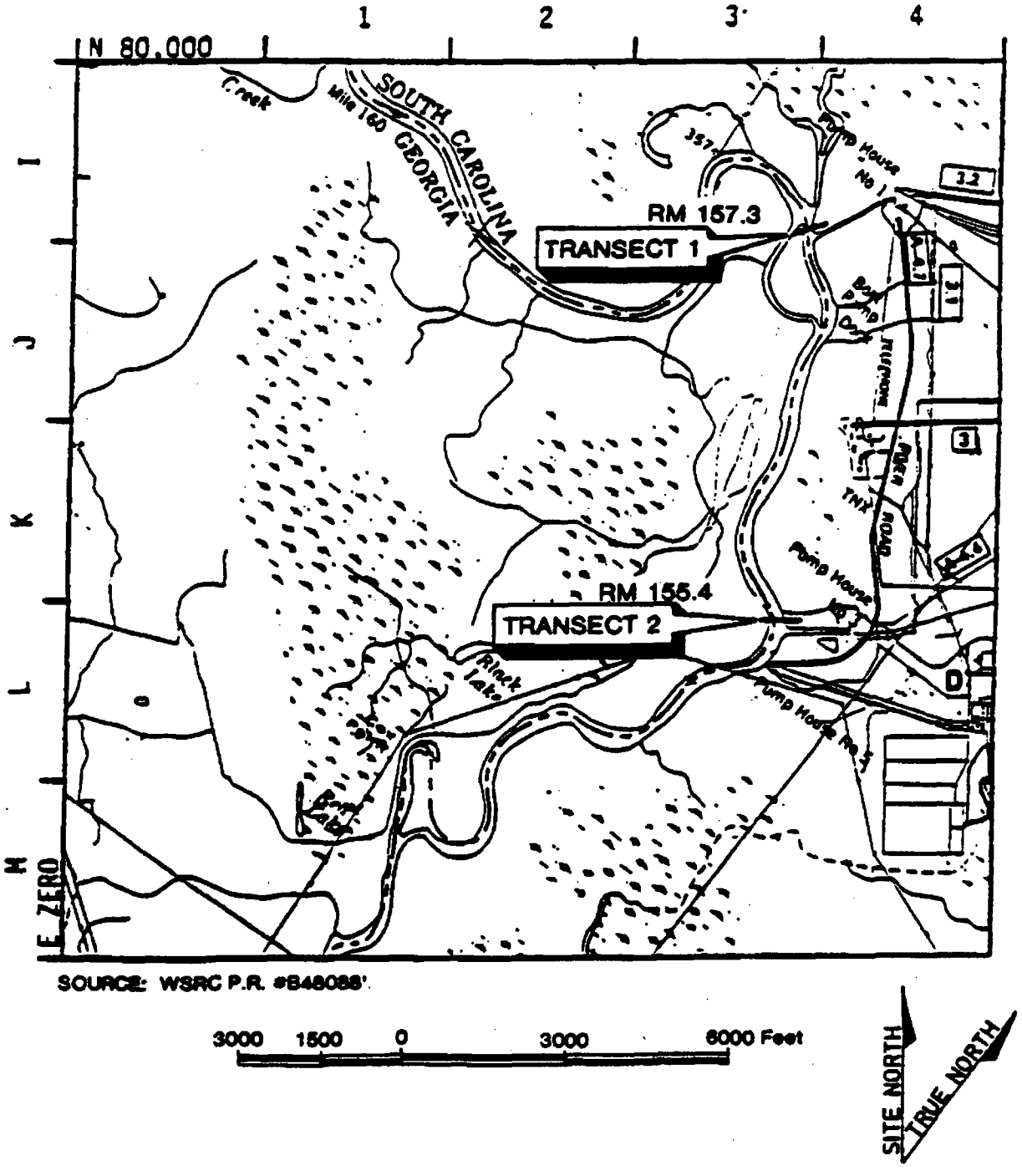
TABLE 4-20

PAIRED COMPARISONS *t* TEST OF BRIDLE EFFECT ON LARVAL FISH CATCH

	Day Samples	Night Samples
Mean Density Without Bridle (geometric; larvae/1,000 m^3)	5.33	17.49
Mean Density With Bridle (geometric; larvae/1,000 m^3)	6.75	14.23
N	68.0	47.0
Mean Difference (transformed)	-0.0887	0.1263
Standard Error (transformed)	0.0750	0.1054
T	-1.1821	1.1986
Prob. > |T|	0.2414	0.2368

Figure 3-1

LOCATION OF THE ICHTHYOPLANKTON SAMPLING TRANSECTS

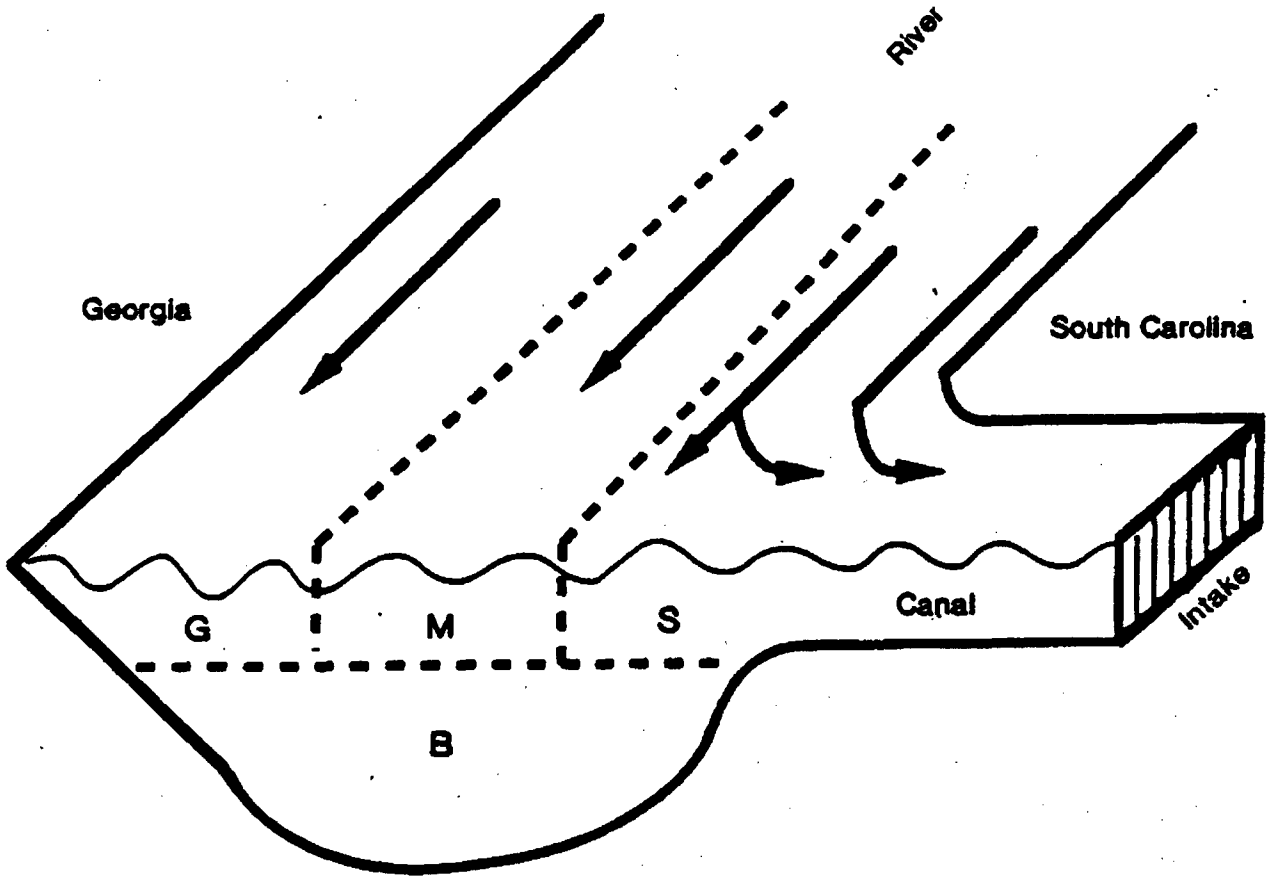


SOURCE: WSRC P.R. #B48088'.

Figure 3-2

THREE-DIMENSIONAL IDEALIZED VIEW OF THE SAVANNAH RIVER SHOWING THE FOUR SECTORS IN WHICH DIEL SAMPLING OCCURRED

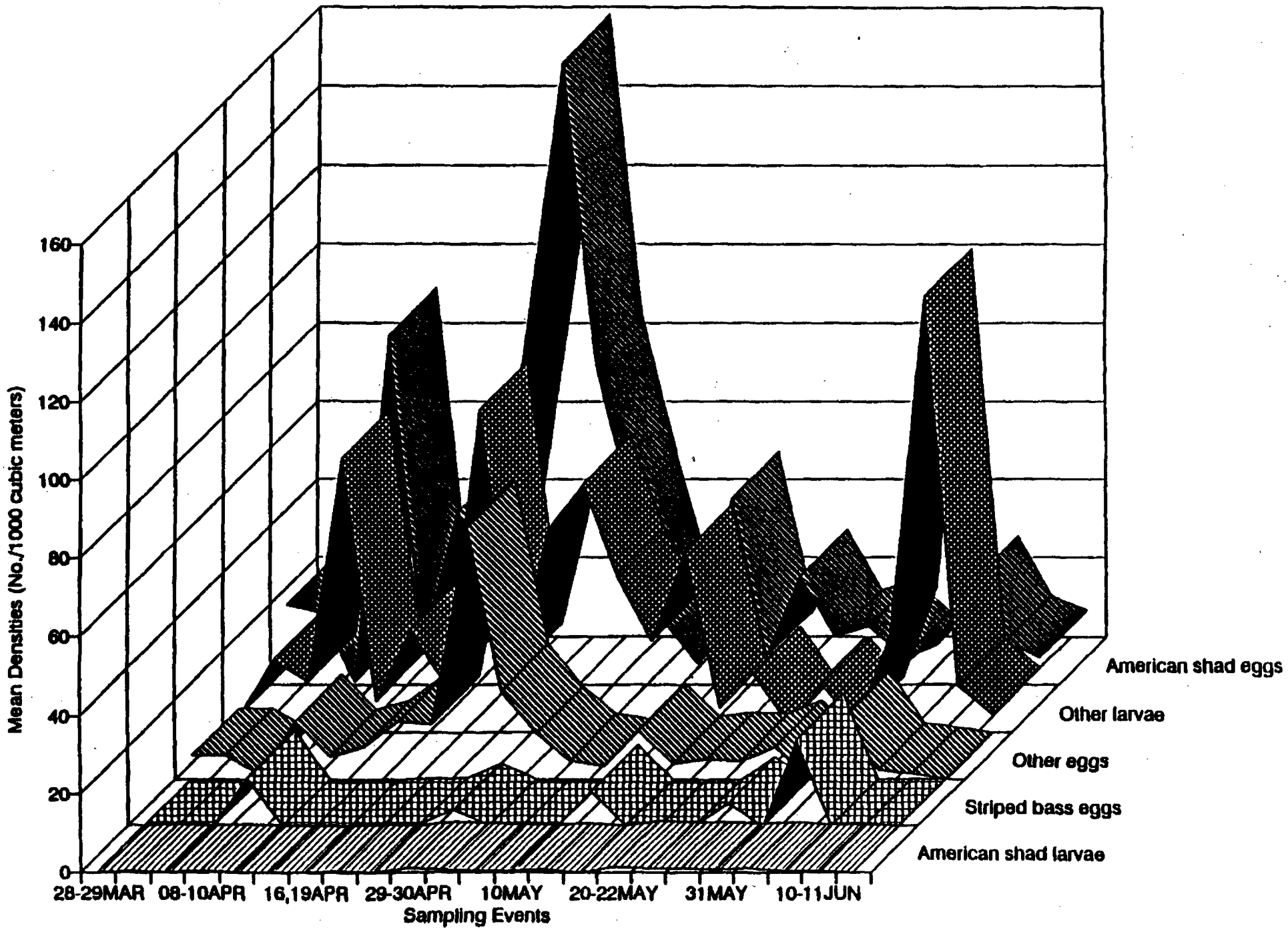
G: GEORGIA BANK, M: MID-RIVER TOP, B: BOTTOM, AND S: SOUTH CAROLINA BANK

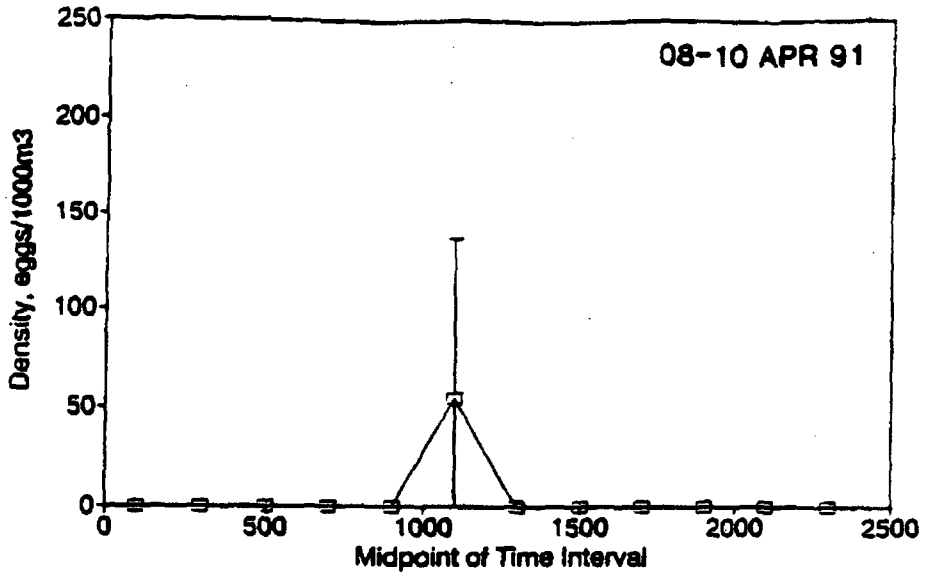


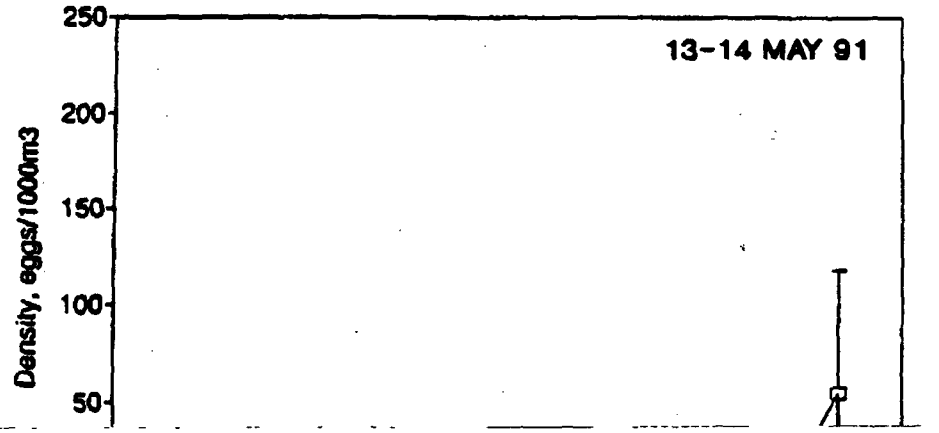
SOURCE: Tuckfield, 1990

Figure 4-1

MEAN ICHTHYOPLANKTON DENSITIES FOR ALL SAMPLING EVENTS




08-10 APR 91
Density, eggs/1000m3
250
200
150
100
50
0
0
500
1000
1500
2000
2500
Midpoint of Time Interval


13-14 MAY 91
Density, eggs/1000m3
250
200
150
100
50

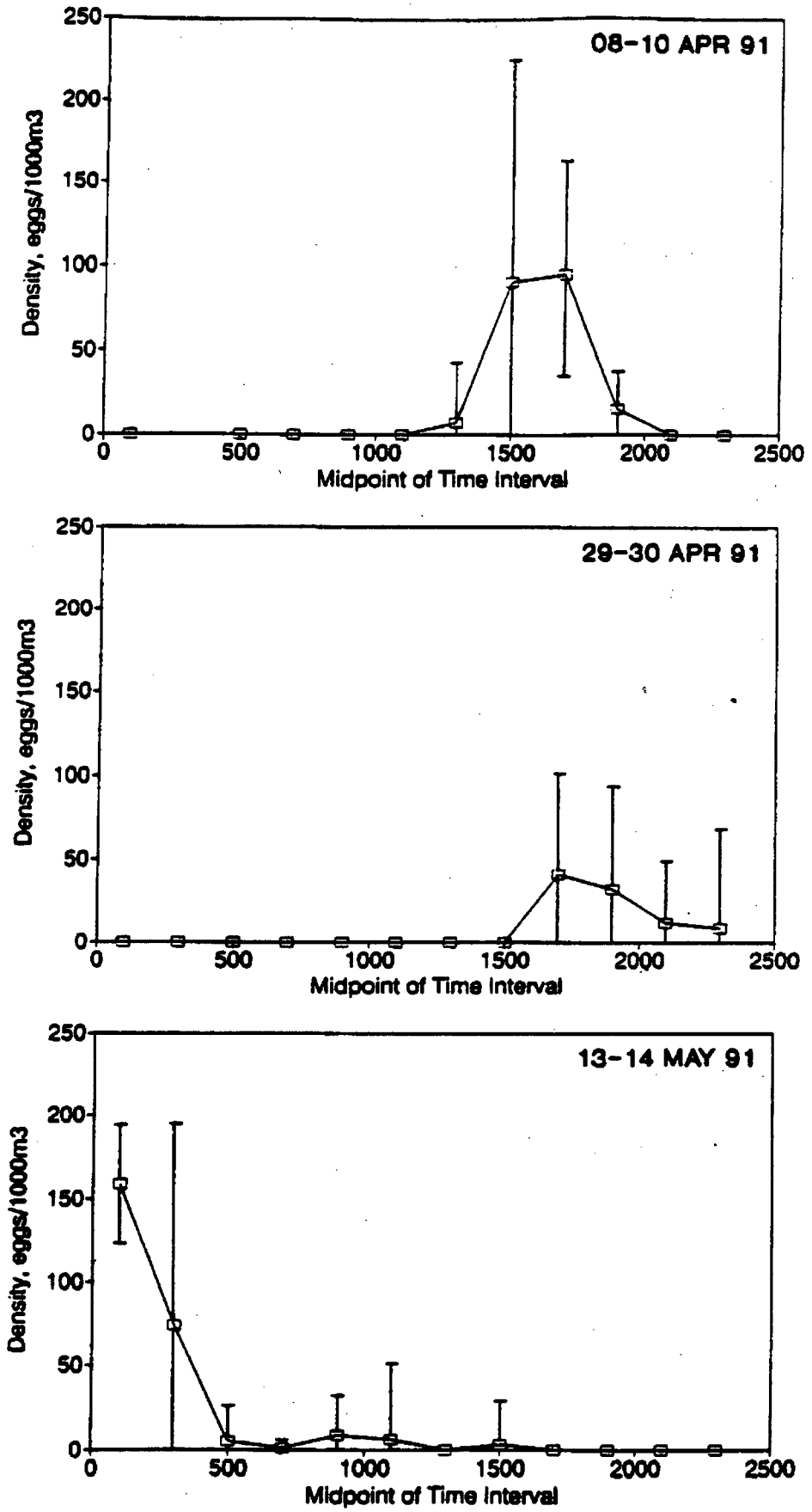


Figure 4-3
M. SAXATILIS EGG DENSITY-
MIN, MEAN, MAX-Transect 2
Westinghouse Savannah River Company
Aiken, SC
Dames & Moore

Number and Relative Abundance of Eggs

TABLE 1		Program	
		Diel Sampling	Day/Night Sampling
Alosa sapidissima eggs	Number	7087.00	1477.00
	Relative Abundance	77.96	69.41
Morone saxatilis eggs	Number	484.00	96.00
	Relative Abundance	5.32	4.51
Cyprinidae eggs	Number	7.00	4.00
	Relative Abundance	0.08	0.19
Unknown eggs	Number	1421.00	488.00
	Relative Abundance	15.63	22.93
Carpiodes velifer eggs	Number	3.00	0.00
	Relative Abundance	0.03	0.00
Percidae eggs	Number	88.00	62.00
	Relative Abundance	0.97	2.91
Alosa mediocris eggs	Number	0.00	1.00
	Relative Abundance	0.00	0.05
Total Number of Eggs	Number	9090.00	2128.00
	Relative Abundance	100.00	100.00

Number and relative abundance of larvae
Over all sampling events

TABLE 1		Program	
		Diel Sampling	Day/Night Sampling
Alosa sapidissima protolarvae	Number	67.00	11.00
	Relative Abundance	1.25	0.90
Alosa sapidissima mesolarvae	Number	8.00	1.00
	Relative Abundance	0.15	0.08
Alosa sapidissima metalarvae	Number	0.00	0.00
	Relative Abundance	0.00	0.00
Morone saxatilis protolarvae	Number	0.00	0.00
	Relative Abundance	0.00	0.00
Morone saxatilis mesolarvae	Number	0.00	0.00
	Relative Abundance	0.00	0.00
Morone saxatilis metalarvae	Number	0.00	0.00
	Relative Abundance	0.00	0.00
Cyprinidae larvae	Number	1579.00	424.00
	Relative Abundance	29.46	34.84
Minytrema melanops larvae	Number	1093.00	178.00

(CONTINUED)

Number and relative abundance of larvae
Over all sampling events

TABLE 1		Program	
		Diel Sampling	Day/Night Sampling
Minytrema melanops larvae	Relative Abundance	20.40	14.63
Carpiodes velifer larvae	Number	405.00	106.00
	Relative Abundance	7.56	8.71
Cyprinus carpio larvae	Number	521.00	52.00
	Relative Abundance	9.72	4.27
Lepomis sp. larvae	Number	250.00	283.00
	Relative Abundance	4.67	23.25
Pomoxis sp. larvae	Number	683.00	12.00
	Relative Abundance	12.74	0.99
Perca flavescens larvae	Number	108.00	8.00
	Relative Abundance	2.02	0.66
Notimegonus crysoleucas larvae	Number	215.00	18.00
	Relative Abundance	4.01	1.48
Percidae larvae	Number	30.00	5.00
	Relative Abundance	0.56	0.41

(CONTINUED)

Number and relative abundance of larvae
Over all sampling events

TABLE 1		Program	
		Diel Sampling	Day/Night Sampling
Dorosoma cepedianum larvae	Number	57.00	3.00
	Relative Abundance	1.06	0.25
Pomoxis nigromaculatus larvae	Number	97.00	3.00
	Relative Abundance	1.81	0.25
Elassoma zonatum larvae	Number	65.00	3.00
	Relative Abundance	1.21	0.25
Aphredoderus sayanus larvae	Number	38.00	3.00
	Relative Abundance	0.71	0.25
Unidentified/damaged larvae	Number	44.00	9.00
	Relative Abundance	0.82	0.74
Centrarchus macropterus larvae	Number	17.00	0.00
	Relative Abundance	0.32	0.00
Elassoma sp. larvae	Number	39.00	0.00
	Relative Abundance	0.73	0.00
Alosa mediocris larvae	Number	7.00	1.00

(CONTINUED)

Number and relative abundance of larvae
Over all sampling events

TABLE 1		Program	
		Diel Sampling	Day/Night Sampling
Alosa mediocris larvae	Relative Abundance	0.13	0.08
Micropterus salmoides larvae	Number	5.00	75.00
	Relative Abundance	0.09	6.16
Clupeidae larvae	Number	3.00	0.00
	Relative Abundance	0.06	0.00
Acipenser sp. larvae	Number	3.00	1.00
	Relative Abundance	0.06	0.08
Labidesthes sicculus larvae	Number	3.00	1.00
	Relative Abundance	0.06	0.08
Ictalurus punctatus larvae	Number	0.00	4.00
	Relative Abundance	0.00	0.33
Cyprinella (Notropis) nivea larvae	Number	1.00	0.00
	Relative Abundance	0.02	0.00
Amia calva larvae	Number	1.00	0.00
	Relative Abundance	0.02	0.00

(CONTINUED)

Number and relative abundance of larvae
Over all sampling events

TABLE 1		Program	
		Diel Sampling	Day/Night Sampling
Esox sp. larvae	Number	1.00	0.00
	Relative Abundance	0.02	0.00
Erimyzon sp. larvae	Number	1.00	0.00
	Relative Abundance	0.02	0.00
Centrarchidae larvae	Number	6.00	0.00
	Relative Abundance	0.11	0.00
Chologaster cornuta larvae	Number	1.00	0.00
	Relative Abundance	0.02	0.00
Lepomis macrochirus larvae	Number	0.00	0.00
	Relative Abundance	0.00	0.00
Dorosoma sp. larvae	Number	3.00	0.00
	Relative Abundance	0.06	0.00
Etheostoma olmstedi larvae	Number	1.00	0.00
	Relative Abundance	0.02	0.00
Lepomis auritus larvae	Number	1.00	0.00

(CONTINUED)

Number and relative abundance of larvae
Over all sampling events

TABLE 1		Program	
		Diel Sampling	Day/Night Sampling
Lepomis auritus larvae	Relative Abundance	0.02	0.00
Notropis pettersoni larvae	Number	2.00	0.00
	Relative Abundance	0.04	0.00
Umbra pygmaea larvae	Number	1.00	0.00
	Relative Abundance	0.02	0.00
Ictaluridae larvae	Number	1.00	1.00
	Relative Abundance	0.02	0.08
Lepisosteus larvae	Number	1.00	0.00
	Relative Abundance	0.02	0.00
Ameiurus catus larvae	Number	0.00	10.00
	Relative Abundance	0.00	0.82
Strongylura marina larvae	Number	0.00	1.00
	Relative Abundance	0.00	0.08
Ameiurus platycephalus larvae	Number	0.00	2.00
	Relative Abundance	0.00	0.16

(CONTINUED)

Number and relative abundance of larvae
Over all sampling events

TABLE 1		Program	
		Diel Sampling	Day/Night Sampling
Alosa aestivalis larvae	Number	1.00	2.00
	Relative Abundance	0.02	0.16
Total Number of Larvae	Number	5359.00	1217.00
	Relative Abundance	100.00	100.00

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 02-03APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	27.49	0.00	0.00	0.00	27.49	0.00	0.00
	G	11.44	0.00	0.00	0.00	11.44	0.00	0.00
	S	15.94	0.00	0.00	0.00	15.94	0.00	0.00
0300-0500	B	5.44	0.00	0.00	0.00	5.44	0.00	0.00
	G	22.99	0.00	0.00	0.00	22.99	0.00	0.00
	M	6.30	0.00	0.00	0.00	6.30	0.00	0.00
0500-0700	B	29.96	0.00	0.00	0.00	29.96	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	17.22	0.00	0.00	0.00	17.22	0.00	0.00
	S	7.00	0.00	0.00	0.00	7.00	0.00	0.00
0700-0900	B	4.61	0.00	0.00	0.00	4.61	0.00	0.00
	G	17.88	0.00	0.00	0.00	17.88	0.00	0.00
	M	18.36	0.00	0.00	0.00	18.36	0.00	0.00
	S	14.46	0.00	0.00	0.00	14.46	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 02-03APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0900-1100	B	9.76	0.00	0.00	0.00	9.76	0.00	0.00
	G	13.30	0.00	0.00	0.00	13.30	0.00	0.00
	M	12.28	0.00	0.00	0.00	12.28	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1100-1300	B	7.98	0.00	0.00	0.00	7.98	0.00	0.00
	G	21.70	0.00	0.00	0.00	21.70	0.00	0.00
	M	4.94	0.00	0.00	0.00	4.94	0.00	0.00
	S	9.37	0.00	0.00	0.00	9.37	0.00	0.00
1300-1500	B	11.01	0.00	0.00	0.00	11.01	0.00	0.00
	G	14.22	0.00	0.00	0.00	14.22	0.00	0.00
	M	9.38	0.00	0.00	0.00	9.38	0.00	0.00
	S	5.84	0.00	0.00	0.00	5.84	0.00	0.00
1500-1700	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 02-03APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1500-1700	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	5.31	0.00	0.00	0.00	5.31	0.00	0.00
	S	5.22	0.00	0.00	0.00	5.22	0.00	0.00
1700-1900	B	11.90	0.00	0.00	0.00	11.90	0.00	0.00
	G	12.12	0.00	0.00	0.00	12.12	0.00	0.00
	M	7.07	0.00	0.00	0.00	7.07	0.00	0.00
	S	11.31	5.85	0.00	0.00	17.16	0.00	0.00
1900-2100	B	23.83	0.00	0.00	0.00	23.83	0.00	0.00
	G	46.26	0.00	0.00	0.00	46.26	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	4.82	3.06	0.00	0.00	7.87	0.00	0.00
2100-2300	B	.	.	.	.	.	.	.
	G	6.84	0.00	0.00	0.00	6.84	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 02-03APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	N	12.59	0.00	0.00	0.00	12.59	0.00	0.00
	S	.	.	.	.	.	.	.
2300-0100	B	.	.	.	.	.	.	.
	G	.	.	.	.	.	.	.
	N	27.86	0.00	0.00	0.00	27.86	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 02-03APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	0.00	0.00	0.00	57.22	0.00	0.00	0.00
	G	0.00	0.00	0.00	14.92	0.00	0.00	0.00
	S	0.00	0.00	0.00	46.31	0.00	0.00	0.00
0300-0500	B	0.00	0.00	0.00	15.06	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	48.45	0.00	0.00	0.00
0500-0700	B	0.00	0.00	0.00	.	.	.	.
	G	0.00	0.00	0.00	.	.	.	.
	M	0.00	0.00	0.00	18.48	0.00	0.00	0.00
	S	0.00	0.00	0.00	10.26	0.00	0.00	0.00
0700-0900	B	0.00	0.00	0.00	48.85	0.00	0.00	0.00
	G	0.00	0.00	0.00	32.35	0.00	0.00	0.00
	M	0.00	0.00	0.00	41.54	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 02-03APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0900-1100	B	0.00	0.00	0.00	37.31	0.00	0.00	0.00
	G	0.00	0.00	0.00	11.79	0.00	0.00	0.00
	N	0.00	0.00	0.00	.	.	.	.
	S	0.00	0.00	0.00	10.79	0.00	0.00	0.00
1100-1300	B	0.00	0.00	0.00	25.29	0.00	0.00	0.00
	G	0.00	0.00	0.00	22.52	0.00	0.00	0.00
	N	0.00	0.00	0.00	38.02	0.00	0.00	0.00
	S	0.00	0.00	0.00	24.72	0.00	0.00	0.00
1300-1500	B	0.00	0.00	0.00	5.31	0.00	0.00	0.00
	G	0.00	0.00	0.00	6.26	0.00	0.00	0.00
	N	0.00	0.00	0.00	15.95	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500-1700	B	0.00	0.00	0.00	4.66	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 02-03APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1500-1700	G	0.00	0.00	0.00	3.36	0.00	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	.	.	.	.
1700-1900	B	0.00	0.00	0.00	4.89	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	.	.	.	.
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1900-2100	B	0.00	0.00	0.00	18.76	0.00	0.00	0.00
	G	0.00	0.00	0.00	14.75	0.00	0.00	0.00
	M	0.00	0.00	0.00	7.07	0.00	0.00	0.00
	S	0.00	0.00	0.00	7.93	0.00	0.00	0.00
2100-2300	B	.	.	.	53.51	0.00	0.00	0.00
	G	0.00	0.00	0.00	18.58	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 02-03APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	M	0.00	0.00	0.00	53.28	0.00	0.00	0.00
	S	.	.	.	50.31	0.00	0.00	0.00
2300-0100	B	.	.	.	111.20	0.00	0.00	0.00
	G	.	.	.	14.81	0.00	0.00	0.00
	M	0.00	0.00	0.00	41.84	0.00	0.00	0.00
	S	0.00	0.00	0.00	72.08	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 02-03APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0100-0300	B	57.22	0.00	0.00	0.00	0.00	0.00
	G	14.92	0.00	0.00	0.00	0.00	0.00
	S	46.31	0.00	0.00	0.00	0.00	0.00
0300-0500	B	15.06	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	48.45	0.00	0.00	0.00	0.00	0.00
0500-0700	B	.	.	.	.	.	.
	G	.	.	.	.	.	.
	M	18.48	0.00	0.00	0.00	0.00	0.00
	S	10.26	0.00	0.00	0.00	0.00	0.00
0700-0900	B	48.85	0.00	0.00	0.00	0.00	0.00
	G	32.35	0.00	0.00	0.00	0.00	0.00
	M	41.54	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 02-03APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0900-1100	B	37.31	0.00	0.00	0.00	0.00	0.00
	G	11.79	0.00	0.00	0.00	0.00	0.00
	M	.	.	.	.	.	.
	S	10.79	0.00	0.00	0.00	0.00	0.00
1100-1300	B	25.29	0.00	0.00	0.00	0.00	0.00
	G	22.52	0.00	0.00	0.00	0.00	0.00
	M	38.02	0.00	0.00	0.00	0.00	0.00
	S	24.72	0.00	0.00	0.00	0.00	0.00
1300-1500	B	5.31	0.00	0.00	0.00	0.00	0.00
	G	6.26	0.00	0.00	0.00	0.00	0.00
	M	15.95	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
1500-1700	B	4.66	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 02-03APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
1500-1700	G	3.36	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00
	S	.	.	.	.	.	.
1700-1900	B	4.89	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	.	.	.	.	.	.
	S	0.00	0.00	0.00	0.00	0.00	0.00
1900-2100	B	18.76	0.00	0.00	0.00	0.00	0.00
	G	14.75	0.00	0.00	0.00	0.00	0.00
	M	7.07	0.00	0.00	0.00	0.00	0.00
	S	7.93	0.00	0.00	0.00	0.00	0.00
2100-2300	B	53.51	0.00	0.00	0.00	0.00	0.00
	G	18.58	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 02-03APR

TABLE 2		Transect					
		2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
2100-2300	N	53.28	0.00	0.00	0.00	0.00	0.00
	S	50.31	0.00	0.00	0.00	0.00	0.00
2300-0100	B	111.20	0.00	0.00	0.00	0.00	0.00
	G	14.81	0.00	0.00	0.00	0.00	0.00
	M	41.84	0.00	0.00	0.00	0.00	0.00
	S	72.08	0.00	0.00	0.00	0.00	0.00

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 08-10APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	.	.	.	.	.	.	.
	G	139.46	0.00	0.00	0.00	139.46	0.00	0.00
	M	111.26	0.00	0.00	0.00	111.26	0.00	0.00
	S	114.04	4.26	0.00	0.00	118.30	0.00	0.00
0300-0500	B	49.76	2.39	0.00	0.00	52.15	0.00	0.00
	G	124.47	0.00	0.00	0.00	124.47	0.00	0.00
	M	70.30	0.00	0.00	0.00	70.30	0.00	0.00
	S	19.85	0.00	0.00	0.00	19.85	0.00	0.00
0500-0700	B	14.64	0.00	0.00	0.00	14.64	0.00	0.00
	G	141.23	0.00	0.00	0.00	141.23	0.00	0.00
	M	17.17	0.00	0.00	0.00	17.17	0.00	0.00
	S	27.47	0.00	0.00	0.00	27.47	0.00	0.00
0700-0900	B	25.54	0.00	0.00	0.00	25.54	0.00	0.00
	G	35.22	0.00	0.00	0.00	35.22	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 08-10APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	M	34.93	0.00	0.00	0.00	34.93	0.00	0.00
	S	26.31	0.00	0.00	0.00	26.31	0.00	0.00
0900-1100	B	0.00	6.80	0.00	0.00	6.80	0.00	0.00
	G	178.26	0.00	0.00	0.00	178.26	38.97	0.00
	M	49.97	0.00	0.00	0.00	49.97	0.00	0.00
	S	17.02	0.00	0.00	0.00	17.02	0.00	0.00
1100-1300	B	253.69	0.00	0.00	0.00	253.69	91.46	0.00
	M	51.70	0.00	0.00	0.00	51.70	68.21	0.00
	S	35.85	0.00	0.00	0.00	35.85	40.30	0.00
1300-1500	B	6.05	0.00	0.00	0.00	6.05	0.00	0.00
	G	19.29	0.00	0.00	0.00	19.29	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	8.15	0.00	0.00	0.00	8.15	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 08-10APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1500-1700	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	30.51	0.00	0.00	0.00	30.51	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	6.24	0.00	0.00	0.00	6.24	0.00	0.00
1700-1900	B	0.00	4.81	0.00	0.00	4.81	0.00	0.00
	G	23.15	0.00	0.00	0.00	23.15	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	5.60	5.60	0.00	0.00	11.20	0.00	0.00
1900-2100	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	21.70	0.00	0.00	0.00	21.70	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	8.16	0.00	0.00	0.00	8.16	0.00	0.00
2100-2300	B	75.23	0.00	0.00	0.00	75.23	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 08-10APR

TABLE 2		Transect						
		1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	G	84.95	0.00	0.00	0.00	84.95	0.00	0.00
	M	53.40	0.00	0.00	0.00	53.40	0.00	0.00
	S	542.45	0.00	0.00	0.00	542.45	0.00	0.00
2300-0100	B	289.23	0.00	0.00	0.00	289.23	0.00	0.00
	G	34.28	0.00	0.00	0.00	34.28	0.00	0.00
	M	25.54	0.00	0.00	0.00	25.54	0.00	0.00
	S	293.66	0.00	0.00	0.00	293.66	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 08-10APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	.	.	.	189.24	0.00	0.00	0.00
	G	0.00	0.00	0.00	73.24	0.00	0.00	0.00
	M	0.00	0.00	0.00	311.40	0.00	0.00	0.00
	S	0.00	0.00	0.00	178.69	0.00	0.00	0.00
0300-0500	B	0.00	0.00	0.00	150.54	0.00	0.00	0.00
	G	0.00	0.00	0.00	75.84	0.00	0.00	0.00
	M	0.00	0.00	0.00	165.68	0.00	0.00	0.00
	S	0.00	0.00	0.00	47.53	0.00	0.00	0.00
0500-0700	B	0.00	0.00	0.00	344.75	0.00	0.00	0.00
	G	0.00	0.00	0.00	44.11	0.00	0.00	0.00
	M	0.00	0.00	0.00	310.54	0.00	0.00	0.00
	S	0.00	0.00	0.00	136.34	0.00	0.00	0.00
0700-0900	B	0.00	0.00	0.00	194.76	0.00	0.00	0.00
	G	0.00	0.00	0.00	83.08	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 08-10APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	M	0.00	0.00	0.00	112.97	0.00	0.00	0.00
	S	0.00	0.00	0.00	27.74	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	66.47	0.00	0.00	0.00
	G	0.00	0.00	38.97	53.89	0.00	0.00	0.00
	M	0.00	0.00	0.00	45.41	0.00	0.00	0.00
	S	0.00	0.00	0.00	118.37	0.00	0.00	0.00
1100-1300	B	0.00	0.00	91.46	.	.	.	.
	M	0.00	0.00	68.21	.	.	.	.
	S	0.00	0.00	40.30	.	.	.	.
1300-1500	B	0.00	0.00	0.00	98.16	0.00	0.00	0.00
	G	0.00	0.00	0.00	32.54	0.00	0.00	0.00
	M	0.00	0.00	0.00	26.71	0.00	0.00	0.00
	S	0.00	0.00	0.00	31.88	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 08-10APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1500-1700	B	0.00	0.00	0.00	32.80	0.00	0.00	0.00
	G	0.00	0.00	0.00	5.93	0.00	0.00	0.00
	M	0.00	0.00	0.00	71.49	0.00	0.00	0.00
	S	0.00	0.00	0.00	15.72	0.00	0.00	0.00
1700-1900	B	0.00	0.00	0.00	243.13	0.00	0.00	0.00
	G	0.00	0.00	0.00	6.83	0.00	0.00	0.00
	M	0.00	0.00	0.00	44.69	0.00	0.00	0.00
	S	0.00	0.00	0.00	96.21	0.00	0.00	0.00
1900-2100	B	0.00	0.00	0.00	105.60	0.00	0.00	0.00
	G	0.00	0.00	0.00	35.21	0.00	0.00	0.00
	M	0.00	0.00	0.00	45.50	0.00	0.00	0.00
	S	0.00	0.00	0.00	59.42	0.00	0.00	0.00
2100-2300	B	0.00	0.00	0.00	226.76	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 08-10APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	G	0.00	0.00	0.00	11.31	0.00	0.00	0.00
	M	0.00	0.00	0.00	88.99	0.00	0.00	0.00
	S	0.00	0.00	0.00	47.28	0.00	0.00	0.00
2300-0100	B	0.00	0.00	0.00	534.94	0.00	0.00	0.00
	G	0.00	0.00	0.00	86.86	0.00	0.00	0.00
	M	0.00	0.00	0.00	198.75	0.00	0.00	0.00
	S	0.00	0.00	0.00	13.66	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 08-10APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0100-0300	B	189.24	0.00	0.00	0.00	0.00	0.00
	G	73.24	0.00	0.00	0.00	0.00	0.00
	M	311.40	0.00	0.00	0.00	0.00	0.00
	S	178.69	0.00	0.00	0.00	0.00	0.00
0300-0500	B	150.54	0.00	0.00	0.00	0.00	0.00
	G	75.84	0.00	0.00	0.00	0.00	0.00
	M	165.68	0.00	0.00	0.00	0.00	0.00
	S	47.53	0.00	0.00	0.00	0.00	0.00
0500-0700	B	344.75	0.00	0.00	0.00	0.00	0.00
	G	44.11	0.00	0.00	0.00	0.00	0.00
	M	310.54	0.00	0.00	0.00	0.00	0.00
	S	136.34	0.00	0.00	0.00	0.00	0.00
0700-0900	B	194.76	0.00	0.00	0.00	0.00	0.00
	G	83.08	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 08-10APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0700-0900	N	112.97	0.00	0.00	0.00	0.00	0.00
	S	27.74	0.00	0.00	0.00	0.00	0.00
0900-1100	B	66.47	0.00	0.00	0.00	0.00	0.00
	G	53.89	0.00	0.00	0.00	0.00	0.00
	N	45.41	0.00	0.00	0.00	0.00	0.00
	S	118.37	0.00	0.00	0.00	0.00	0.00
1100-1300	B	.	.	.	.	.	.
	N	.	.	.	.	.	.
	S	.	.	.	.	.	.
1300-1500	B	98.16	29.20	0.00	0.00	0.00	29.20
	G	32.54	10.70	0.00	0.00	0.00	10.70
	N	26.71	0.00	0.00	0.00	0.00	0.00
	S	31.88	32.33	0.00	0.00	0.00	32.33

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 08-10APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
1500-1700	B	32.80	73.54	0.00	0.00	0.00	73.54
	G	5.93	174.30	0.00	0.00	0.00	174.30
	M	71.49	121.49	0.00	0.00	0.00	121.49
	S	15.72	39.94	0.00	0.00	0.00	39.94
1700-1900	B	243.13	14.50	0.00	0.00	0.00	14.50
	G	6.83	142.33	0.00	0.00	0.00	142.33
	M	44.69	104.28	0.00	0.00	0.00	104.28
	S	96.21	63.76	0.00	0.00	0.00	63.76
1900-2100	B	105.60	0.00	0.00	0.00	0.00	0.00
	G	35.21	0.00	0.00	0.00	0.00	0.00
	M	45.50	19.38	0.00	0.00	0.00	19.38
	S	59.42	29.82	0.00	0.00	0.00	29.82
2100-2300	B	226.76	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 08-10APR

TABLE 2		Transect					
		2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
2100-2300	G	11.31	0.00	0.00	0.00	0.00	0.00
	M	88.99	0.00	0.00	0.00	0.00	0.00
	S	47.28	0.00	0.00	0.00	0.00	0.00
2300-0100	B	534.94	0.00	0.00	0.00	0.00	0.00
	G	86.86	0.00	0.00	0.00	0.00	0.00
	M	198.75	0.00	0.00	0.00	0.00	0.00
	S	13.66	0.00	0.00	0.00	0.00	0.00

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1500-1700	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	19.12	0.00	0.00	0.00	19.12	0.00	0.00
1700-1900	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	21.59	0.00	0.00	0.00	21.59	0.00	0.00
	N	9.62	0.00	0.00	0.00	9.62	0.00	0.00
	S	9.43	0.00	0.00	0.00	9.43	0.00	0.00
1900-2100	B	4.64	0.00	0.00	0.00	4.64	0.00	0.00
	G	.	.	.	.	.	.	.
	N	4.33	0.00	0.00	0.00	4.33	0.00	0.00
	S	5.36	0.00	0.00	0.00	5.36	0.00	0.00
2100-2300	B	108.68	0.00	0.00	0.00	108.68	0.00	0.00
	G	142.62	0.00	0.00	0.00	142.62	0.00	0.00
	N	15.64	0.00	0.00	0.00	15.64	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2300-0100	B	345.56	0.00	0.00	0.00	345.56	0.00	0.00
	G	.	.	.	.	.	.	.
	M	320.41	0.00	0.00	0.00	320.41	0.00	0.00
	S	193.93	0.00	0.00	0.00	193.93	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	427.33	0.00	0.00	0.00	427.33	0.00	0.00
	G	175.20	0.00	0.00	0.00	175.20	0.00	0.00
	M	22.95	0.00	0.00	0.00	22.95	0.00	0.00
	S	61.69	0.00	0.00	0.00	61.69	0.00	0.00
0300-0500	B	40.70	0.00	0.00	0.00	40.70	0.00	0.00
	G	17.32	0.00	0.00	0.00	17.32	0.00	0.00
	M	55.66	0.00	0.00	0.00	55.66	0.00	0.00
	S	25.33	0.00	0.00	0.00	25.33	0.00	0.00
0500-0700	B	19.02	0.00	0.00	0.00	19.02	0.00	0.00
	G	20.00	0.00	0.00	0.00	20.00	0.00	0.00
	M	11.92	0.00	0.00	0.00	11.92	0.00	0.00
	S	3.58	0.00	0.00	0.00	3.58	0.00	0.00
0700-0900	B	17.28	0.00	0.00	0.00	17.28	0.00	0.00
	G	29.05	0.00	0.00	0.00	29.05	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	M	14.76	0.00	0.00	0.00	14.76	0.00	0.00
	S	31.91	0.00	0.00	0.00	31.91	0.00	0.00
0900-1100	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	5.90	0.00	0.00	0.00	5.90	0.00	0.00
	M	29.91	0.00	0.00	0.00	29.91	0.00	0.00
	S	5.79	0.00	0.00	0.00	5.79	0.00	0.00
1100-1300	B	36.97	0.00	0.00	0.00	36.97	0.00	0.00
	G	9.49	0.00	0.00	0.00	9.49	0.00	0.00
	M	25.27	0.00	0.00	0.00	25.27	0.00	0.00
	S	12.70	0.00	0.00	0.00	12.70	0.00	0.00
1300-1500	S	.	.	.	.	.	.	.
1500-1700	B	4.78	0.00	0.00	0.00	4.78	0.00	0.00
	G	16.07	0.00	0.00	0.00	16.07	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	0.00	0.00	0.00	56.92	0.00	0.00	0.00
	G	0.00	0.00	0.00	23.25	0.00	0.00	0.00
	M	0.00	0.00	0.00	57.72	0.00	0.00	0.00
	S	0.00	0.00	0.00	25.43	0.00	0.00	0.00
0300-0500	B	0.00	0.00	0.00	48.48	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	16.56	0.00	0.00	0.00
	S	0.00	0.00	0.00	23.14	0.00	0.00	0.00
0500-0700	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	4.36	0.00	0.00	0.00
	M	0.00	0.00	0.00	14.79	0.00	0.00	0.00
	S	0.00	0.00	0.00	13.14	0.00	0.00	0.00
0700-0900	B	0.00	0.00	0.00	10.82	0.00	0.00	0.00
	G	0.00	0.00	0.00	7.15	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	N	0.00	0.00	0.00	4.28	0.00	0.00	0.00
	S	0.00	0.00	0.00	8.38	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	0.00	0.00	0.00	4.93	0.00	0.00	0.00
	S	0.00	0.00	0.00	4.54	0.00	0.00	0.00
1100-1300	B	0.00	0.00	0.00	10.25	0.00	0.00	0.00
	G	0.00	0.00	0.00	18.09	0.00	0.00	0.00
	N	0.00	0.00	0.00	4.62	0.00	0.00	0.00
	S	0.00	0.00	0.00	3.05	0.00	0.00	0.00
1300-1500	S	.	.	.	4.04	0.00	0.00	0.00
1500-1700	B	0.00	0.00	0.00	7.72	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1500-1700	N	0.00	0.00	0.00	6.83	0.00	0.00	0.00
	S	0.00	0.00	0.00	.	.	.	.
1700-1900	B	0.00	0.00	0.00	.	.	.	.
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	0.00	0.00	0.00	.	.	.	.
	S	0.00	0.00	0.00	5.02	0.00	0.00	0.00
1900-2100	B	0.00	0.00	0.00	11.29	0.00	0.00	0.00
	G	.	.	.	0.00	0.00	0.00	0.00
	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	.	.	.	.
2100-2300	B	0.00	0.00	0.00	14.65	0.00	0.00	0.00
	G	0.00	0.00	0.00	.	.	.	.
	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	S	0.00	0.00	0.00	1.67	0.00	0.00	0.00
2300-0100	B	0.00	0.00	0.00	51.85	0.00	0.00	0.00
	G	.	.	.	17.45	0.00	0.00	0.00
	M	0.00	0.00	0.00	17.43	0.00	0.00	0.00
	S	0.00	0.00	0.00	35.73	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect					
		2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0100-0300	B	56.92	0.00	0.00	0.00	0.00	0.00
	G	23.25	0.00	0.00	0.00	0.00	0.00
	M	57.72	0.00	0.00	0.00	0.00	0.00
	S	25.43	0.00	0.00	0.00	0.00	0.00
0300-0500	B	48.48	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	16.56	0.00	0.00	0.00	0.00	0.00
	S	23.14	0.00	0.00	0.00	0.00	0.00
0500-0700	B	0.00	0.00	0.00	0.00	0.00	0.00
	G	4.36	0.00	0.00	0.00	0.00	0.00
	M	14.79	0.00	0.00	0.00	0.00	0.00
	S	13.14	0.00	0.00	0.00	0.00	0.00
0700-0900	B	10.82	0.00	0.00	0.00	0.00	0.00
	G	7.15	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0700-0900	M	4.28	0.00	0.00	0.00	0.00	0.00
	S	8.38	0.00	0.00	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	4.93	0.00	0.00	0.00	0.00	0.00
	S	4.54	0.00	0.00	0.00	0.00	0.00
1100-1300	B	10.25	0.00	0.00	0.00	0.00	0.00
	G	18.09	0.00	0.00	0.00	0.00	0.00
	M	4.62	0.00	0.00	0.00	0.00	0.00
	S	3.05	0.00	0.00	0.00	0.00	0.00
1300-1500	S	4.04	0.00	0.00	0.00	0.00	0.00
1500-1700	B	7.72	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
1500-1700	M	6.83	0.00	0.00	0.00	0.00	0.00
	S	.	.	.	.	.	.
1700-1900	B	.	.	.	.	.	.
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	.	.	.	.	.	.
	S	5.02	0.00	0.00	0.00	0.00	0.00
1900-2100	B	11.29	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00
	S	.	.	.	.	.	.
2100-2300	B	14.65	0.00	0.00	0.00	0.00	0.00
	G	.	.	.	.	.	.
	M	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect					
		2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
2100-2300	S	1.67	0.00	0.00	0.00	0.00	0.00
2300-0100	B	51.85	0.00	0.00	0.00	0.00	0.00
	G	17.45	0.00	0.00	0.00	0.00	0.00
	M	17.43	0.00	0.00	0.00	0.00	0.00
	S	35.73	0.00	0.00	0.00	0.00	0.00

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	404.14	0.00	0.00	0.00	404.14	0.00	0.00
	G	408.76	0.00	0.00	0.00	408.76	0.00	0.00
	M	270.89	0.00	0.00	0.00	270.89	0.00	0.00
	S	102.39	0.00	0.00	0.00	102.39	0.00	0.00
0300-0500	B	152.69	0.00	0.00	0.00	152.69	0.00	0.00
	G	148.09	0.00	0.00	0.00	148.09	0.00	0.00
	M	135.28	0.00	0.00	0.00	135.28	0.00	0.00
	S	26.04	0.00	0.00	0.00	26.04	0.00	0.00
0500-0700	B	233.11	0.00	0.00	0.00	233.11	0.00	0.00
	G	53.81	0.00	0.00	0.00	53.81	0.00	0.00
	M	70.40	0.00	0.00	0.00	70.40	0.00	0.00
	S	49.03	0.00	0.00	0.00	49.03	0.00	0.00
0700-0900	B	191.89	0.00	0.00	0.00	191.89	0.00	0.00
	G	75.19	0.00	0.00	0.00	75.19	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	N	97.41	0.00	0.00	0.00	97.41	0.00	0.00
	S	50.93	0.00	0.00	0.00	50.93	0.00	0.00
0900-1100	B	136.15	0.00	0.00	0.00	136.15	0.00	0.00
	G	109.39	0.00	0.00	0.00	109.39	0.00	0.00
	N	66.40	0.00	0.00	0.00	66.40	0.00	0.00
	S	17.77	0.00	0.00	0.00	17.77	0.00	0.00
1100-1300	B	90.18	0.00	0.00	0.00	90.18	0.00	0.00
	G	129.21	0.00	0.00	0.00	129.21	0.00	0.00
	N	45.41	0.00	0.00	0.00	45.41	0.00	0.00
	S	19.38	0.00	0.00	0.00	19.38	0.00	0.00
1300-1500	B	16.12	5.37	0.00	0.00	21.49	0.00	0.00
	G	6.14	0.00	0.00	0.00	6.14	0.00	0.00
	N	15.42	0.00	0.00	0.00	15.42	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1300-1500	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500-1700	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	20.37	0.00	0.00	0.00	20.37	0.00	0.00
	M	29.62	0.00	0.00	0.00	29.62	0.00	0.00
	S	16.94	0.00	0.00	0.00	16.94	0.00	0.00
1700-1900	B	7.21	0.00	0.00	0.00	7.21	0.00	0.00
	G	24.33	0.00	0.00	0.00	24.33	0.00	0.00
	M	4.48	0.00	0.00	0.00	4.48	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1900-2100	B	24.76	0.00	0.00	0.00	24.76	0.00	0.00
	G	6.60	0.00	0.00	0.00	6.60	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	4.68	4.68	0.00	0.00	9.36	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect						
		1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	B	30.39	0.00	0.00	0.00	30.39	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	6.12	0.00	0.00	0.00	6.12	0.00	0.00
	S	6.36	0.00	0.00	0.00	6.36	0.00	0.00
2300-0100	B	416.81	0.00	0.00	0.00	416.81	0.00	0.00
	G	230.15	0.00	0.00	0.00	230.15	0.00	0.00
	M	168.00	0.00	0.00	0.00	168.00	0.00	0.00
	S	125.45	0.00	0.00	0.00	125.45	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	0.00	0.00	0.00	299.46	0.00	0.00	0.00
	G	0.00	0.00	0.00	101.28	0.00	0.00	0.00
	M	0.00	0.00	0.00	209.12	0.00	0.00	0.00
	S	0.00	0.00	0.00	232.86	0.00	0.00	0.00
0300-0500	B	0.00	0.00	0.00	237.41	0.00	0.00	0.00
	G	0.00	0.00	0.00	142.28	0.00	0.00	0.00
	M	0.00	0.00	0.00	88.30	0.00	0.00	0.00
	S	0.00	0.00	0.00	10.34	0.00	0.00	0.00
0500-0700	B	0.00	0.00	0.00	162.07	0.00	0.00	0.00
	G	0.00	0.00	0.00	32.43	0.00	0.00	0.00
	M	0.00	0.00	0.00	127.12	0.00	0.00	0.00
	S	0.00	0.00	0.00	80.13	0.00	0.00	0.00
0700-0900	B	0.00	0.00	0.00	89.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	N	0.00	0.00	0.00	46.23	0.00	0.00	0.00
	S	0.00	0.00	0.00	52.67	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	12.53	0.00	0.00	0.00
	G	0.00	0.00	0.00	15.76	0.00	0.00	0.00
	N	0.00	0.00	0.00	18.76	0.00	0.00	0.00
	S	0.00	0.00	0.00	13.82	0.00	0.00	0.00
1100-1300	B	0.00	0.00	0.00	47.85	0.00	0.00	0.00
	G	0.00	0.00	0.00	19.62	0.00	0.00	0.00
	N	0.00	0.00	0.00	39.03	0.00	0.00	0.00
	S	0.00	0.00	0.00	36.58	0.00	0.00	0.00
1300-1500	B	0.00	0.00	0.00	163.29	0.00	0.00	0.00
	G	0.00	0.00	0.00	51.38	0.00	0.00	0.00
	N	0.00	0.00	0.00	73.85	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1300-1500	S	0.00	0.00	0.00	26.38	0.00	0.00	0.00
1500-1700	B	0.00	0.00	0.00	180.64	0.00	0.00	0.00
	G	0.00	0.00	0.00	48.91	0.00	0.00	0.00
	M	0.00	0.00	0.00	81.81	0.00	0.00	0.00
	S	0.00	0.00	0.00	120.41	0.00	0.00	0.00
1700-1900	B	0.00	0.00	0.00	6.43	0.00	0.00	0.00
	G	0.00	0.00	0.00	32.95	0.00	0.00	0.00
	M	0.00	0.00	0.00	106.94	0.00	0.00	0.00
	S	0.00	0.00	0.00	82.05	0.00	0.00	0.00
1900-2100	B	0.00	0.00	0.00	89.68	0.00	0.00	0.00
	G	0.00	0.00	0.00	15.01	0.00	0.00	0.00
	M	0.00	0.00	0.00	43.73	0.00	0.00	0.00
	S	0.00	0.00	0.00	60.22	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	B	0.00	0.00	0.00	70.17	0.00	0.00	0.00
	G	0.00	0.00	0.00	49.98	0.00	0.00	0.00
	M	0.00	0.00	0.00	44.13	0.00	0.00	0.00
	S	0.00	0.00	0.00	28.90	0.00	0.00	0.00
2300-0100	B	0.00	0.00	0.00	582.17	0.00	0.00	0.00
	G	0.00	0.00	0.00	56.41	0.00	0.00	0.00
	M	0.00	0.00	0.00	224.83	0.00	0.00	0.00
	S	0.00	0.00	0.00	111.38	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0100-0300	B	299.46	0.00	0.00	0.00	0.00	0.00
	G	101.28	0.00	0.00	0.00	0.00	0.00
	M	209.12	0.00	0.00	0.00	0.00	0.00
	S	232.86	0.00	0.00	0.00	0.00	0.00
0300-0500	B	237.41	0.00	0.00	0.00	0.00	0.00
	G	142.28	0.00	0.00	0.00	0.00	0.00
	M	88.30	0.00	0.00	0.00	0.00	0.00
	S	10.36	0.00	0.00	0.00	0.00	0.00
0500-0700	B	162.07	0.00	0.00	0.00	0.00	0.00
	G	32.43	0.00	0.00	0.00	0.00	0.00
	M	127.12	0.00	0.00	0.00	0.00	0.00
	S	80.13	0.00	0.00	0.00	0.00	0.00
0700-0900	B	89.00	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0700-0900	N	46.23	0.00	0.00	0.00	0.00	0.00
	S	52.67	0.00	0.00	0.00	0.00	0.00
0900-1100	B	12.53	0.00	0.00	0.00	0.00	0.00
	G	15.76	0.00	0.00	0.00	0.00	0.00
	N	18.76	0.00	0.00	0.00	0.00	0.00
	S	13.82	0.00	0.00	0.00	0.00	0.00
1100-1300	B	47.85	0.00	0.00	0.00	0.00	0.00
	G	19.62	0.00	0.00	0.00	0.00	0.00
	N	39.03	0.00	0.00	0.00	0.00	0.00
	S	36.58	0.00	0.00	0.00	0.00	0.00
1300-1500	B	163.29	0.00	0.00	0.00	0.00	0.00
	G	51.38	0.00	0.00	0.00	0.00	0.00
	N	73.85	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
1300-1500	S	26.38	0.00	0.00	0.00	0.00	0.00
1500-1700	B	180.64	0.00	0.00	0.00	0.00	0.00
	G	48.91	0.00	0.00	0.00	0.00	0.00
	N	81.81	0.00	0.00	0.00	0.00	0.00
	S	120.41	0.00	0.00	0.00	0.00	0.00
1700-1900	B	6.43	0.00	0.00	0.00	0.00	0.00
	G	32.95	0.00	0.00	0.00	0.00	0.00
	N	106.94	0.00	0.00	0.00	0.00	0.00
	S	82.05	0.00	0.00	0.00	0.00	0.00
1900-2100	B	89.68	0.00	0.00	0.00	0.00	0.00
	G	15.01	0.00	0.00	0.00	0.00	0.00
	N	43.73	0.00	0.00	0.00	0.00	0.00
	S	60.22	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect					
		2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
2100-2300	B	70.17	0.00	0.00	0.00	0.00	0.00
	G	49.98	0.00	0.00	0.00	0.00	0.00
	M	44.13	0.00	0.00	0.00	0.00	0.00
	S	28.90	0.00	0.00	0.00	0.00	0.00
2300-0100	B	582.17	0.00	0.00	0.00	0.00	0.00
	G	56.41	0.00	0.00	0.00	0.00	0.00
	M	224.83	0.00	0.00	0.00	0.00	0.00
	S	111.38	0.00	0.00	0.00	0.00	0.00

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	455.86	0.00	0.00	0.00	455.86	0.00	0.00
	G	179.10	0.00	0.00	0.00	179.10	0.00	0.00
	M	216.97	0.00	0.00	0.00	216.97	0.00	0.00
	S	82.27	0.00	0.00	0.00	82.27	0.00	0.00
0300-0500	B	325.57	0.00	0.00	0.00	325.57	0.00	0.00
	G	78.78	0.00	0.00	0.00	78.78	0.00	0.00
	M	175.10	0.00	0.00	0.00	175.10	0.00	0.00
	S	57.91	0.00	0.00	0.00	57.91	0.00	0.00
0500-0700	B	160.75	0.00	0.00	0.00	160.75	0.00	0.00
	G	106.79	5.04	0.00	0.00	111.83	0.00	0.00
	M	80.63	0.00	0.00	0.00	80.63	0.00	0.00
	S	0.00	6.80	7.27	0.00	14.08	0.00	0.00
0700-0900	B	88.46	0.00	0.00	0.00	88.46	0.00	0.00
	G	51.88	13.22	0.00	0.00	65.10	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	N	65.01	0.00	0.00	0.00	65.01	0.00	0.00
	S	13.64	6.82	0.00	0.00	20.46	0.00	0.00
0900-1100	B	119.00	0.00	0.00	0.00	119.00	0.00	0.00
	G	105.46	0.00	0.00	0.00	105.46	0.00	0.00
	N	70.99	0.00	0.00	0.00	70.99	0.00	0.00
	S	17.98	5.79	0.00	0.00	23.77	0.00	0.00
1100-1300	B	35.65	0.00	0.00	0.00	35.65	0.00	0.00
	G	134.22	0.00	0.00	0.00	134.22	0.00	0.00
	N	6.30	0.00	0.00	0.00	6.30	0.00	0.00
	S	31.44	0.00	0.00	0.00	31.44	0.00	0.00
1300-1500	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	26.64	0.00	0.00	0.00	26.64	0.00	0.00
	N	23.50	0.00	0.00	0.00	23.50	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1300-1500	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500-1700	B	15.94	0.00	0.00	0.00	15.94	0.00	0.00
	G	17.18	0.00	0.00	0.00	17.18	0.00	0.00
	N	19.79	0.00	0.00	0.00	19.79	0.00	0.00
	S	0.00	6.04	0.00	0.00	6.04	0.00	0.00
1700-1900	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	15.27	0.00	0.00	0.00	15.27	0.00	0.00
	S	6.81	0.00	0.00	0.00	6.81	0.00	0.00
1900-2100	B	25.09	5.09	0.00	0.00	30.18	0.00	0.00
	G	92.60	0.00	0.00	0.00	92.60	0.00	0.00
	N	20.75	0.00	0.00	0.00	20.75	0.00	0.00
	S	12.07	0.00	0.00	0.00	12.07	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	B	115.72	0.00	0.00	0.00	115.72	0.00	0.00
	G	271.49	0.00	0.00	0.00	271.49	0.00	0.00
	M	20.64	0.00	0.00	0.00	20.64	0.00	0.00
	S	138.00	0.00	0.00	0.00	138.00	0.00	0.00
2300-0100	B	564.22	0.00	0.00	0.00	564.22	0.00	0.00
	G	381.23	0.00	0.00	0.00	381.23	0.00	0.00
	M	316.45	0.00	0.00	0.00	316.45	0.00	0.00
	S	34.91	0.00	0.00	0.00	34.91	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	0.00	0.00	0.00	98.14	5.85	0.00	0.00
	G	0.00	0.00	0.00	74.42	0.00	0.00	0.00
	M	0.00	0.00	0.00	52.77	0.00	0.00	0.00
	S	0.00	0.00	0.00	49.02	0.00	0.00	0.00
0300-0500	B	0.00	0.00	0.00	61.43	0.00	0.00	0.00
	G	0.00	0.00	0.00	.	.	.	.
	M	0.00	0.00	0.00	46.22	2.98	0.00	0.00
	S	0.00	0.00	0.00	12.27	6.13	0.00	0.00
0500-0700	B	0.00	0.00	0.00	68.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	13.85	0.00	0.00	0.00
	M	0.00	0.00	0.00	42.15	0.00	0.00	0.00
	S	0.00	0.00	0.00	9.75	3.76	0.00	0.00
0700-0900	B	0.00	0.00	0.00	76.59	0.00	0.00	0.00
	G	0.00	0.00	0.00	24.94	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	M	0.00	0.00	0.00	48.48	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	251.35	0.00	0.00	0.00
	G	0.00	0.00	0.00	78.28	0.00	0.00	0.00
	M	0.00	0.00	0.00	83.30	0.00	0.00	0.00
	S	0.00	0.00	0.00	147.68	0.00	0.00	0.00
1100-1300	B	0.00	0.00	0.00	.	.	.	.
	G	0.00	0.00	0.00	.	.	.	.
	M	0.00	0.00	0.00	.	.	.	.
	S	0.00	0.00	0.00	.	.	.	.
1300-1500	B	0.00	0.00	0.00	217.62	0.00	0.00	0.00
	G	0.00	0.00	0.00	33.23	0.00	0.00	0.00
	M	0.00	0.00	0.00	137.74	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1300-1500	S	0.00	0.00	0.00	25.08	0.00	0.00	0.00
1500-1700	B	0.00	0.00	0.00	71.40	0.00	0.00	0.00
	G	0.00	0.00	0.00	13.21	6.82	0.00	0.00
	M	0.00	0.00	0.00	185.28	0.00	0.00	0.00
	S	0.00	0.00	0.00	.	.	.	.
1700-1900	B	0.00	0.00	0.00	.	.	.	.
	G	0.00	0.00	0.00	.	.	.	.
	M	0.00	0.00	0.00	.	.	.	.
	S	0.00	0.00	0.00	48.17	0.00	0.00	0.00
1900-2100	B	0.00	0.00	0.00	91.31	0.00	0.00	0.00
	G	0.00	0.00	0.00	17.63	5.91	0.00	0.00
	M	0.00	0.00	0.00	68.93	0.00	0.00	0.00
	S	0.00	0.00	0.00	42.40	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	B	0.00	0.00	0.00	62.48	0.00	0.00	0.00
	G	0.00	0.00	0.00	44.02	0.00	0.00	0.00
	M	0.00	0.00	0.00	24.68	0.00	0.00	0.00
	S	0.00	0.00	0.00	11.26	0.00	0.00	0.00
2300-0100	B	0.00	0.00	0.00	155.19	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	86.06	0.00	0.00	0.00
	S	0.00	0.00	0.00	45.89	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1500-1700	N	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	19.12	0.00	0.00	0.00	19.12	0.00	0.00
1700-1900	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	21.59	0.00	0.00	0.00	21.59	0.00	0.00
	M	9.62	0.00	0.00	0.00	9.62	0.00	0.00
	S	9.43	0.00	0.00	0.00	9.43	0.00	0.00
1900-2100	B	4.64	0.00	0.00	0.00	4.64	0.00	0.00
	G	.	.	.	.	.	.	.
	M	4.33	0.00	0.00	0.00	4.33	0.00	0.00
	S	5.36	0.00	0.00	0.00	5.36	0.00	0.00
2100-2300	B	108.68	0.00	0.00	0.00	108.68	0.00	0.00
	G	142.62	0.00	0.00	0.00	142.62	0.00	0.00
	M	15.64	0.00	0.00	0.00	15.64	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect						
		1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2300-0100	B	345.56	0.00	0.00	0.00	345.56	0.00	0.00
	G	.	.	.	.	.	.	.
	M	320.41	0.00	0.00	0.00	320.41	0.00	0.00
	S	193.93	0.00	0.00	0.00	193.93	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	0.00	0.00	0.00	56.92	0.00	0.00	0.00
	G	0.00	0.00	0.00	23.25	0.00	0.00	0.00
	M	0.00	0.00	0.00	57.72	0.00	0.00	0.00
	S	0.00	0.00	0.00	25.43	0.00	0.00	0.00
0300-0500	B	0.00	0.00	0.00	48.48	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	16.56	0.00	0.00	0.00
	S	0.00	0.00	0.00	23.14	0.00	0.00	0.00
0500-0700	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	4.36	0.00	0.00	0.00
	M	0.00	0.00	0.00	14.79	0.00	0.00	0.00
	S	0.00	0.00	0.00	13.14	0.00	0.00	0.00
0700-0900	B	0.00	0.00	0.00	10.82	0.00	0.00	0.00
	G	0.00	0.00	0.00	7.15	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	N	0.00	0.00	0.00	4.28	0.00	0.00	0.00
	S	0.00	0.00	0.00	8.38	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	0.00	0.00	0.00	4.93	0.00	0.00	0.00
	S	0.00	0.00	0.00	4.54	0.00	0.00	0.00
1100-1300	B	0.00	0.00	0.00	10.25	0.00	0.00	0.00
	G	0.00	0.00	0.00	18.09	0.00	0.00	0.00
	N	0.00	0.00	0.00	4.62	0.00	0.00	0.00
	S	0.00	0.00	0.00	3.05	0.00	0.00	0.00
1300-1500	S	.	.	.	4.04	0.00	0.00	0.00
1500-1700	B	0.00	0.00	0.00	7.72	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1500-1700	M	0.00	0.00	0.00	6.83	0.00	0.00	0.00
	S	0.00	0.00	0.00	.	.	.	.
1700-1900	B	0.00	0.00	0.00	.	.	.	.
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	.	.	.	.
	S	0.00	0.00	0.00	5.02	0.00	0.00	0.00
1900-2100	B	0.00	0.00	0.00	11.29	0.00	0.00	0.00
	G	.	.	.	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	.	.	.	.
2100-2300	B	0.00	0.00	0.00	14.65	0.00	0.00	0.00
	G	0.00	0.00	0.00	.	.	.	.
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	S	0.00	0.00	0.00	1.67	0.00	0.00	0.00
2300-0100	B	0.00	0.00	0.00	51.85	0.00	0.00	0.00
	G	.	.	.	17.45	0.00	0.00	0.00
	M	0.00	0.00	0.00	17.43	0.00	0.00	0.00
	S	0.00	0.00	0.00	35.73	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect					
		2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0100-0300	B	56.92	0.00	0.00	0.00	0.00	0.00
	G	23.25	0.00	0.00	0.00	0.00	0.00
	N	57.72	0.00	0.00	0.00	0.00	0.00
	S	25.43	0.00	0.00	0.00	0.00	0.00
0300-0500	B	48.48	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	N	16.56	0.00	0.00	0.00	0.00	0.00
	S	23.14	0.00	0.00	0.00	0.00	0.00
0500-0700	B	0.00	0.00	0.00	0.00	0.00	0.00
	G	4.36	0.00	0.00	0.00	0.00	0.00
	N	14.79	0.00	0.00	0.00	0.00	0.00
	S	13.14	0.00	0.00	0.00	0.00	0.00
0700-0900	B	10.82	0.00	0.00	0.00	0.00	0.00
	G	7.15	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0700-0900	M	4.28	0.00	0.00	0.00	0.00	0.00
	S	8.38	0.00	0.00	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	4.93	0.00	0.00	0.00	0.00	0.00
	S	4.54	0.00	0.00	0.00	0.00	0.00
1100-1300	B	10.25	0.00	0.00	0.00	0.00	0.00
	G	18.09	0.00	0.00	0.00	0.00	0.00
	M	4.62	0.00	0.00	0.00	0.00	0.00
	S	3.05	0.00	0.00	0.00	0.00	0.00
1300-1500	S	4.04	0.00	0.00	0.00	0.00	0.00
1500-1700	B	7.72	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
1500-1700	N	6.83	0.00	0.00	0.00	0.00	0.00
	S	.	.	.	.	.	.
1700-1900	B	.	.	.	.	.	.
	G	0.00	0.00	0.00	0.00	0.00	0.00
	N	.	.	.	.	.	.
	S	5.02	0.00	0.00	0.00	0.00	0.00
1900-2100	B	11.29	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	N	0.00	0.00	0.00	0.00	0.00	0.00
	S	.	.	.	.	.	.
2100-2300	B	14.65	0.00	0.00	0.00	0.00	0.00
	G	.	.	.	.	.	.
	N	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 15,17-19APR

TABLE 2		Transect					
		2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
2100-2300	S	1.67	0.00	0.00	0.00	0.00	0.00
2300-0100	B	51.85	0.00	0.00	0.00	0.00	0.00
	G	17.45	0.00	0.00	0.00	0.00	0.00
	M	17.43	0.00	0.00	0.00	0.00	0.00
	S	35.73	0.00	0.00	0.00	0.00	0.00

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	404.14	0.00	0.00	0.00	404.14	0.00	0.00
	G	408.76	0.00	0.00	0.00	408.76	0.00	0.00
	M	270.89	0.00	0.00	0.00	270.89	0.00	0.00
	S	102.39	0.00	0.00	0.00	102.39	0.00	0.00
0300-0500	B	152.69	0.00	0.00	0.00	152.69	0.00	0.00
	G	148.09	0.00	0.00	0.00	148.09	0.00	0.00
	M	135.28	0.00	0.00	0.00	135.28	0.00	0.00
	S	26.04	0.00	0.00	0.00	26.04	0.00	0.00
0500-0700	B	233.11	0.00	0.00	0.00	233.11	0.00	0.00
	G	53.81	0.00	0.00	0.00	53.81	0.00	0.00
	M	70.40	0.00	0.00	0.00	70.40	0.00	0.00
	S	49.03	0.00	0.00	0.00	49.03	0.00	0.00
0700-0900	B	191.89	0.00	0.00	0.00	191.89	0.00	0.00
	G	75.19	0.00	0.00	0.00	75.19	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect						
		1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	N	97.41	0.00	0.00	0.00	97.41	0.00	0.00
	S	50.93	0.00	0.00	0.00	50.93	0.00	0.00
0900-1100	B	136.15	0.00	0.00	0.00	136.15	0.00	0.00
	G	109.39	0.00	0.00	0.00	109.39	0.00	0.00
	M	66.40	0.00	0.00	0.00	66.40	0.00	0.00
	S	17.77	0.00	0.00	0.00	17.77	0.00	0.00
1100-1300	B	90.18	0.00	0.00	0.00	90.18	0.00	0.00
	G	129.21	0.00	0.00	0.00	129.21	0.00	0.00
	M	45.41	0.00	0.00	0.00	45.41	0.00	0.00
	S	19.38	0.00	0.00	0.00	19.38	0.00	0.00
1300-1500	B	16.12	5.37	0.00	0.00	21.49	0.00	0.00
	G	6.14	0.00	0.00	0.00	6.14	0.00	0.00
	M	15.42	0.00	0.00	0.00	15.42	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1300-1500	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500-1700	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	20.37	0.00	0.00	0.00	20.37	0.00	0.00
	M	29.62	0.00	0.00	0.00	29.62	0.00	0.00
	S	16.94	0.00	0.00	0.00	16.94	0.00	0.00
1700-1900	B	7.21	0.00	0.00	0.00	7.21	0.00	0.00
	G	24.33	0.00	0.00	0.00	24.33	0.00	0.00
	M	4.48	0.00	0.00	0.00	4.48	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1900-2100	B	24.76	0.00	0.00	0.00	24.76	0.00	0.00
	G	6.60	0.00	0.00	0.00	6.60	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	4.68	4.68	0.00	0.00	9.36	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	B	30.39	0.00	0.00	0.00	30.39	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	6.12	0.00	0.00	0.00	6.12	0.00	0.00
	S	6.36	0.00	0.00	0.00	6.36	0.00	0.00
2300-0100	B	416.81	0.00	0.00	0.00	416.81	0.00	0.00
	G	230.15	0.00	0.00	0.00	230.15	0.00	0.00
	M	168.00	0.00	0.00	0.00	168.00	0.00	0.00
	S	125.45	0.00	0.00	0.00	125.45	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	0.00	0.00	0.00	299.46	0.00	0.00	0.00
	G	0.00	0.00	0.00	101.28	0.00	0.00	0.00
	M	0.00	0.00	0.00	209.12	0.00	0.00	0.00
	S	0.00	0.00	0.00	232.86	0.00	0.00	0.00
0300-0500	B	0.00	0.00	0.00	237.41	0.00	0.00	0.00
	G	0.00	0.00	0.00	142.28	0.00	0.00	0.00
	M	0.00	0.00	0.00	88.30	0.00	0.00	0.00
	S	0.00	0.00	0.00	10.34	0.00	0.00	0.00
0500-0700	B	0.00	0.00	0.00	162.07	0.00	0.00	0.00
	G	0.00	0.00	0.00	32.43	0.00	0.00	0.00
	M	0.00	0.00	0.00	127.12	0.00	0.00	0.00
	S	0.00	0.00	0.00	80.13	0.00	0.00	0.00
0700-0900	B	0.00	0.00	0.00	89.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	N	0.00	0.00	0.00	46.23	0.00	0.00	0.00
	S	0.00	0.00	0.00	52.67	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	12.53	0.00	0.00	0.00
	G	0.00	0.00	0.00	15.76	0.00	0.00	0.00
	N	0.00	0.00	0.00	18.76	0.00	0.00	0.00
	S	0.00	0.00	0.00	13.82	0.00	0.00	0.00
1100-1300	B	0.00	0.00	0.00	47.85	0.00	0.00	0.00
	G	0.00	0.00	0.00	19.62	0.00	0.00	0.00
	N	0.00	0.00	0.00	39.03	0.00	0.00	0.00
	S	0.00	0.00	0.00	36.58	0.00	0.00	0.00
1300-1500	B	0.00	0.00	0.00	163.29	0.00	0.00	0.00
	G	0.00	0.00	0.00	51.38	0.00	0.00	0.00
	N	0.00	0.00	0.00	73.85	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1300-1500	S	0.00	0.00	0.00	26.38	0.00	0.00	0.00
1500-1700	B	0.00	0.00	0.00	180.64	0.00	0.00	0.00
	G	0.00	0.00	0.00	48.91	0.00	0.00	0.00
	M	0.00	0.00	0.00	81.81	0.00	0.00	0.00
	S	0.00	0.00	0.00	120.41	0.00	0.00	0.00
1700-1900	B	0.00	0.00	0.00	6.43	0.00	0.00	0.00
	G	0.00	0.00	0.00	32.95	0.00	0.00	0.00
	M	0.00	0.00	0.00	106.94	0.00	0.00	0.00
	S	0.00	0.00	0.00	82.05	0.00	0.00	0.00
1900-2100	B	0.00	0.00	0.00	89.68	0.00	0.00	0.00
	G	0.00	0.00	0.00	15.01	0.00	0.00	0.00
	M	0.00	0.00	0.00	43.73	0.00	0.00	0.00
	S	0.00	0.00	0.00	60.22	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	B	0.00	0.00	0.00	70.17	0.00	0.00	0.00
	G	0.00	0.00	0.00	49.98	0.00	0.00	0.00
	M	0.00	0.00	0.00	44.13	0.00	0.00	0.00
	S	0.00	0.00	0.00	28.90	0.00	0.00	0.00
2300-0100	B	0.00	0.00	0.00	582.17	0.00	0.00	0.00
	G	0.00	0.00	0.00	56.41	0.00	0.00	0.00
	M	0.00	0.00	0.00	224.83	0.00	0.00	0.00
	S	0.00	0.00	0.00	111.38	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0100-0300	B	299.46	0.00	0.00	0.00	0.00	0.00
	G	101.28	0.00	0.00	0.00	0.00	0.00
	M	209.12	0.00	0.00	0.00	0.00	0.00
	S	232.86	0.00	0.00	0.00	0.00	0.00
0300-0500	B	237.41	0.00	0.00	0.00	0.00	0.00
	G	142.28	0.00	0.00	0.00	0.00	0.00
	M	88.30	0.00	0.00	0.00	0.00	0.00
	S	10.34	0.00	0.00	0.00	0.00	0.00
0500-0700	B	162.07	0.00	0.00	0.00	0.00	0.00
	G	32.43	0.00	0.00	0.00	0.00	0.00
	M	127.12	0.00	0.00	0.00	0.00	0.00
	S	80.13	0.00	0.00	0.00	0.00	0.00
0700-0900	B	89.00	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0700-0900	N	46.23	0.00	0.00	0.00	0.00	0.00
	S	52.67	0.00	0.00	0.00	0.00	0.00
0900-1100	B	12.53	0.00	0.00	0.00	0.00	0.00
	G	15.76	0.00	0.00	0.00	0.00	0.00
	N	18.76	0.00	0.00	0.00	0.00	0.00
	S	13.82	0.00	0.00	0.00	0.00	0.00
1100-1300	B	47.85	0.00	0.00	0.00	0.00	0.00
	G	19.62	0.00	0.00	0.00	0.00	0.00
	N	39.03	0.00	0.00	0.00	0.00	0.00
	S	36.58	0.00	0.00	0.00	0.00	0.00
1300-1500	B	163.29	0.00	0.00	0.00	0.00	0.00
	G	51.38	0.00	0.00	0.00	0.00	0.00
	N	73.85	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect					
		2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
1300-1500	S	26.38	0.00	0.00	0.00	0.00	0.00
1500-1700	B	180.64	0.00	0.00	0.00	0.00	0.00
	G	48.91	0.00	0.00	0.00	0.00	0.00
	M	81.81	0.00	0.00	0.00	0.00	0.00
	S	120.41	0.00	0.00	0.00	0.00	0.00
1700-1900	B	6.43	0.00	0.00	0.00	0.00	0.00
	G	32.95	0.00	0.00	0.00	0.00	0.00
	M	106.94	0.00	0.00	0.00	0.00	0.00
	S	82.05	0.00	0.00	0.00	0.00	0.00
1900-2100	B	89.68	0.00	0.00	0.00	0.00	0.00
	G	15.01	0.00	0.00	0.00	0.00	0.00
	M	43.73	0.00	0.00	0.00	0.00	0.00
	S	60.22	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 22-24APR

TABLE 2		Transect					
		2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
2100-2300	B	70.17	0.00	0.00	0.00	0.00	0.00
	G	49.98	0.00	0.00	0.00	0.00	0.00
	M	44.13	0.00	0.00	0.00	0.00	0.00
	S	28.90	0.00	0.00	0.00	0.00	0.00
2300-0100	B	582.17	0.00	0.00	0.00	0.00	0.00
	G	56.41	0.00	0.00	0.00	0.00	0.00
	M	224.83	0.00	0.00	0.00	0.00	0.00
	S	111.38	0.00	0.00	0.00	0.00	0.00

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	455.86	0.00	0.00	0.00	455.86	0.00	0.00
	G	179.10	0.00	0.00	0.00	179.10	0.00	0.00
	M	216.97	0.00	0.00	0.00	216.97	0.00	0.00
	S	82.27	0.00	0.00	0.00	82.27	0.00	0.00
0300-0500	B	325.57	0.00	0.00	0.00	325.57	0.00	0.00
	G	78.78	0.00	0.00	0.00	78.78	0.00	0.00
	M	175.10	0.00	0.00	0.00	175.10	0.00	0.00
	S	57.91	0.00	0.00	0.00	57.91	0.00	0.00
0500-0700	B	160.75	0.00	0.00	0.00	160.75	0.00	0.00
	G	106.79	5.04	0.00	0.00	111.83	0.00	0.00
	M	80.63	0.00	0.00	0.00	80.63	0.00	0.00
	S	0.00	6.80	7.27	0.00	14.08	0.00	0.00
0700-0900	B	88.46	0.00	0.00	0.00	88.46	0.00	0.00
	G	51.88	13.22	0.00	0.00	65.10	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	M	65.01	0.00	0.00	0.00	65.01	0.00	0.00
	S	13.64	6.82	0.00	0.00	20.46	0.00	0.00
0900-1100	B	119.00	0.00	0.00	0.00	119.00	0.00	0.00
	G	105.46	0.00	0.00	0.00	105.46	0.00	0.00
	M	70.99	0.00	0.00	0.00	70.99	0.00	0.00
	S	17.98	5.79	0.00	0.00	23.77	0.00	0.00
1100-1300	B	35.65	0.00	0.00	0.00	35.65	0.00	0.00
	G	134.22	0.00	0.00	0.00	134.22	0.00	0.00
	M	6.30	0.00	0.00	0.00	6.30	0.00	0.00
	S	31.44	0.00	0.00	0.00	31.44	0.00	0.00
1300-1500	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	26.64	0.00	0.00	0.00	26.64	0.00	0.00
	M	23.50	0.00	0.00	0.00	23.50	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1300-1500	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500-1700	B	15.94	0.00	0.00	0.00	15.94	0.00	0.00
	G	17.18	0.00	0.00	0.00	17.18	0.00	0.00
	M	19.79	0.00	0.00	0.00	19.79	0.00	0.00
	S	0.00	6.04	0.00	0.00	6.04	0.00	0.00
1700-1900	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	15.27	0.00	0.00	0.00	15.27	0.00	0.00
	S	6.81	0.00	0.00	0.00	6.81	0.00	0.00
1900-2100	B	25.09	5.09	0.00	0.00	30.18	0.00	0.00
	G	92.60	0.00	0.00	0.00	92.60	0.00	0.00
	M	20.75	0.00	0.00	0.00	20.75	0.00	0.00
	S	12.07	0.00	0.00	0.00	12.07	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	B	115.72	0.00	0.00	0.00	115.72	0.00	0.00
	G	271.49	0.00	0.00	0.00	271.49	0.00	0.00
	M	20.64	0.00	0.00	0.00	20.64	0.00	0.00
	S	138.00	0.00	0.00	0.00	138.00	0.00	0.00
2300-0100	B	564.22	0.00	0.00	0.00	564.22	0.00	0.00
	G	381.23	0.00	0.00	0.00	381.23	0.00	0.00
	M	316.45	0.00	0.00	0.00	316.45	0.00	0.00
	S	34.91	0.00	0.00	0.00	34.91	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	0.00	0.00	0.00	98.14	5.85	0.00	0.00
	G	0.00	0.00	0.00	74.42	0.00	0.00	0.00
	M	0.00	0.00	0.00	52.77	0.00	0.00	0.00
	S	0.00	0.00	0.00	49.02	0.00	0.00	0.00
0300-0500	B	0.00	0.00	0.00	61.43	0.00	0.00	0.00
	G	0.00	0.00	0.00	.	.	.	.
	M	0.00	0.00	0.00	46.22	2.98	0.00	0.00
	S	0.00	0.00	0.00	12.27	6.13	0.00	0.00
0500-0700	B	0.00	0.00	0.00	68.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	13.85	0.00	0.00	0.00
	M	0.00	0.00	0.00	42.15	0.00	0.00	0.00
	S	0.00	0.00	0.00	9.75	3.76	0.00	0.00
0700-0900	B	0.00	0.00	0.00	76.59	0.00	0.00	0.00
	G	0.00	0.00	0.00	24.94	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	M	0.00	0.00	0.00	48.48	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	251.35	0.00	0.00	0.00
	G	0.00	0.00	0.00	78.28	0.00	0.00	0.00
	M	0.00	0.00	0.00	83.30	0.00	0.00	0.00
	S	0.00	0.00	0.00	147.68	0.00	0.00	0.00
1100-1300	B	0.00	0.00	0.00	.	.	.	.
	G	0.00	0.00	0.00	.	.	.	.
	M	0.00	0.00	0.00	.	.	.	.
	S	0.00	0.00	0.00	.	.	.	.
1300-1500	B	0.00	0.00	0.00	217.62	0.00	0.00	0.00
	G	0.00	0.00	0.00	33.23	0.00	0.00	0.00
	M	0.00	0.00	0.00	137.74	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1300-1500	S	0.00	0.00	0.00	25.08	0.00	0.00	0.00
1500-1700	B	0.00	0.00	0.00	71.40	0.00	0.00	0.00
	G	0.00	0.00	0.00	13.21	6.82	0.00	0.00
	M	0.00	0.00	0.00	185.28	0.00	0.00	0.00
	S	0.00	0.00	0.00	.	.	.	.
1700-1900	B	0.00	0.00	0.00	.	.	.	.
	G	0.00	0.00	0.00	.	.	.	.
	M	0.00	0.00	0.00	.	.	.	.
	S	0.00	0.00	0.00	48.17	0.00	0.00	0.00
1900-2100	B	0.00	0.00	0.00	91.31	0.00	0.00	0.00
	G	0.00	0.00	0.00	17.63	5.91	0.00	0.00
	M	0.00	0.00	0.00	68.93	0.00	0.00	0.00
	S	0.00	0.00	0.00	42.40	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	B	0.00	0.00	0.00	62.48	0.00	0.00	0.00
	G	0.00	0.00	0.00	44.02	0.00	0.00	0.00
	M	0.00	0.00	0.00	24.68	0.00	0.00	0.00
	S	0.00	0.00	0.00	11.26	0.00	0.00	0.00
2300-0100	B	0.00	0.00	0.00	155.19	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	86.06	0.00	0.00	0.00
	S	0.00	0.00	0.00	45.89	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0100-0300	B	103.99	0.00	0.00	0.00	0.00	0.00
	G	74.42	0.00	0.00	0.00	0.00	0.00
	M	52.77	0.00	0.00	0.00	0.00	0.00
	S	49.02	0.00	0.00	0.00	0.00	0.00
0300-0500	B	61.43	0.00	0.00	0.00	0.00	0.00
	G	.	.	.	.	.	.
	M	49.21	0.00	0.00	0.00	0.00	0.00
	S	18.40	0.00	0.00	0.00	0.00	0.00
0500-0700	B	68.00	0.00	0.00	0.00	0.00	0.00
	G	13.85	0.00	0.00	0.00	0.00	0.00
	M	42.15	0.00	0.00	0.00	0.00	0.00
	S	13.51	0.00	0.00	0.00	0.00	0.00
0700-0900	B	76.59	0.00	0.00	0.00	0.00	0.00
	G	24.94	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0700-0900	M	[illegible].48	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
0900-1100	B	251.35	0.00	0.00	0.00	0.00	0.00
	G	78.28	0.00	0.00	0.00	0.00	0.00
	M	83.30	0.00	0.00	0.00	0.00	0.00
	S	147.68	0.00	0.00	0.00	0.00	0.00
1100-1300	B	.	.	.	.	.	.
	G	.	.	.	.	.	.
	M	.	.	.	.	.	.
	S	.	.	.	.	.	.
1300-1500	B	217.62	0.00	0.00	0.00	0.00	0.00
	G	33.23	0.00	0.00	0.00	0.00	0.00
	M	137.74	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
1300-1500	S	25.08	0.00	0.00	0.00	0.00	0.00
1500-1700	B	71.40	11.41	0.00	0.00	0.00	11.41
	G	20.03	0.00	0.00	0.00	0.00	0.00
	M	185.28	0.00	0.00	0.00	0.00	0.00
	S	.	.	.	.	.	.
1700-1900	B	.	.	.	.	.	.
	G	.	.	.	.	.	.
	M	.	.	.	.	.	.
	S	48.17	48.69	0.00	0.00	0.00	48.69
1900-2100	B	91.31	68.79	0.00	0.00	0.00	68.79
	G	23.53	64.82	0.00	0.00	0.00	64.82
	M	68.93	37.32	0.00	0.00	0.00	37.32
	S	42.40	41.51	0.00	0.00	0.00	41.51

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 29-30APR

TABLE 2		Transect					
		2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
2100-2300	B	62.48	10.50	0.00	0.00	0.00	10.50
	G	44.02	20.62	0.00	0.00	0.00	20.62
	M	24.68	24.73	0.00	0.00	0.00	24.73
	S	11.26	11.26	0.00	0.00	0.00	11.26
2300-0100	B	155.19	0.00	0.00	0.00	0.00	0.00
	G	0.00	17.28	0.00	0.00	0.00	17.28
	M	86.06	0.00	0.00	0.00	0.00	0.00
	S	45.89	0.00	0.00	0.00	0.00	0.00

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 07-08MAY

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	B	7.89	0.00	0.00	0.00	7.89	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	15.92	0.00	0.00	0.00	15.92	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0900-1100	B	18.32	0.00	0.00	0.00	18.32	0.00	0.00
	G	28.41	0.00	0.00	0.00	28.41	0.00	0.00
	M	19.67	0.00	0.00	0.00	19.67	0.00	0.00
	S	5.47	3.85	0.00	0.00	9.32	0.00	0.00
1100-1300	B	15.79	0.00	0.00	0.00	15.79	0.00	0.00
	G	15.75	0.00	0.00	0.00	15.75	0.00	0.00
	M	.	.	.	.	.	.	.
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1300-1500	B	4.70	0.00	0.00	0.00	4.70	0.00	0.00
	G	13.13	0.00	0.00	0.00	13.13	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 07-08MAY

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1300-1500	N	4.52	0.00	0.00	0.00	4.52	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500-1700	B	8.39	0.00	0.00	0.00	8.39	0.00	0.00
	G	23.02	0.00	0.00	0.00	23.02	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1700-1900	B	2.61	0.00	0.00	0.00	2.61	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1900-2100	S	.	.	.	.	.	.	.

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 07-08MAY

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	B	0.00	0.00	0.00	6.73	0.00	0.00	0.00
	G	0.00	0.00	0.00	10.47	0.00	0.00	0.00
	M	0.00	0.00	0.00	9.24	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	6.52	6.77	0.00	0.00
	M	0.00	0.00	0.00	14.42	0.00	0.00	0.00
	S	0.00	0.00	0.00	7.29	0.00	0.00	0.00
1100-1300	B	0.00	0.00	0.00	5.36	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	.	.	.	8.50	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1300-1500	B	0.00	0.00	0.00	5.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 07-08MAY

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1300-1500	N	0.00	0.00	0.00	5.59	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500-1700	B	0.00	0.00	0.00	15.27	0.00	0.00	0.00
	G	0.00	0.00	0.00	3.01	0.00	0.00	0.00
	N	0.00	0.00	0.00	3.03	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1700-1900	B	0.00	0.00	0.00	11.65	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	0.00	0.00	0.00	8.07	0.00	0.00	0.00
1900-2100	S	.	.	.	10.44	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 07-08MAY

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0700-0900	B	6.73	0.00	0.00	0.00	0.00	0.00
	G	10.47	0.00	0.00	0.00	0.00	0.00
	M	9.24	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	0.00	0.00	0.00
	G	13.29	0.00	0.00	0.00	0.00	0.00
	M	14.42	0.00	0.00	0.00	0.00	0.00
	S	7.29	0.00	0.00	0.00	0.00	0.00
1100-1300	B	5.36	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	8.50	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
1300-1500	B	5.00	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 07-08MAY

TABLE 2		Transect					
		2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
1300-1500	M	5.59	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
1500-1700	B	15.27	0.00	0.00	0.00	0.00	0.00
	G	3.01	0.00	0.00	0.00	0.00	0.00
	M	3.03	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
1700-1900	B	11.65	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	8.07	0.00	0.00	0.00	0.00	0.00
1900-2100	S	10.44	0.00	0.00	0.00	0.00	0.00

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 13-14MAY

TABLE 2		Transect						
		1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	43.65	0.00	0.00	0.00	43.65	0.00	0.00
	G	19.45	0.00	0.00	0.00	19.45	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	24.06	3.99	0.00	0.00	28.06	0.00	0.00
0300-0500	B	.	.	.	.	.	.	.
	G	99.36	0.00	0.00	0.00	99.36	0.00	0.00
	M	35.83	0.00	0.00	0.00	35.83	0.00	0.00
	S	7.53	0.00	0.00	0.00	7.53	0.00	0.00
0500-0700	B	19.88	0.00	0.00	0.00	19.88	0.00	0.00
	G	9.78	0.00	0.00	0.00	9.78	0.00	0.00
	M	16.06	0.00	0.00	0.00	16.06	0.00	0.00
	S	20.07	0.00	0.00	0.00	20.07	0.00	0.00
0700-0900	B	36.17	0.00	0.00	0.00	36.17	0.00	0.00
	G	.	.	.	.	.	.	.

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 13-14MAY

TABLE 2		Transect						
		1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	M	14.27	0.00	0.00	0.00	14.27	0.00	0.00
0900-1100	B	5.68	0.00	0.00	0.00	5.68	0.00	0.00
	G	12.21	0.00	0.00	0.00	12.21	0.00	0.00
	M	9.18	0.00	0.00	0.00	9.18	0.00	0.00
	S	0.00	2.99	0.00	0.00	2.99	0.00	0.00
1100-1300	B	10.80	0.00	0.00	0.00	10.80	0.00	0.00
	G	5.90	0.00	0.00	0.00	5.90	0.00	0.00
	M	5.93	0.00	0.00	0.00	5.93	0.00	0.00
	S	5.77	0.00	0.00	0.00	5.77	0.00	0.00
1300-1500	B	15.71	0.00	0.00	0.00	15.71	0.00	0.00
	G	20.27	0.00	0.00	0.00	20.27	0.00	0.00
	M	22.89	0.00	0.00	0.00	22.89	0.00	0.00
	S	7.36	0.00	0.00	0.00	7.36	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 13-14MAY

TABLE 2		Transect						
		1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1500-1700	B	7.46	0.00	0.00	0.00	7.46	0.00	0.00
	G	40.22	5.06	0.00	0.00	45.28	0.00	0.00
	M	6.68	0.00	0.00	0.00	6.68	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1700-1900	B	18.53	6.18	0.00	0.00	24.71	0.00	0.00
	G	15.04	0.00	0.00	0.00	15.04	0.00	0.00
	M	6.68	0.00	0.00	0.00	6.68	0.00	0.00
	S	3.64	0.00	0.00	0.00	3.64	0.00	0.00
1900-2100	B	25.21	0.00	0.00	0.00	25.21	0.00	0.00
	G	.	.	.	.	.	.	.
	M	12.63	6.25	0.00	0.00	18.88	0.00	0.00
	S	108.43	6.84	0.00	0.00	115.27	0.00	0.00
2100-2300	B	61.50	0.00	0.00	0.00	61.50	89.45	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 13-14MAY

TABLE 2		Transect						
		1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	G	311.71	0.00	0.00	0.00	311.71	45.54	0.00
	M	99.64	0.00	0.00	0.00	99.64	25.51	0.00
	S	.	.	.	.	.	.	.
2300-0100	S	15.27	0.00	0.00	0.00	15.27	71.72	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 13-14MAY

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	0.00	0.00	0.00	353.59	0.00	6.48	0.00
	G	0.00	0.00	0.00	25.95	0.00	0.00	0.00
	M	0.00	0.00	0.00	335.62	0.00	5.93	0.00
	S	0.00	0.00	0.00	199.93	0.00	0.00	0.00
0300-0500	B	.	.	.	114.92	2.49	0.00	0.00
	G	0.00	0.00	0.00	.	.	.	.
	M	0.00	0.00	0.00	102.50	0.00	0.00	0.00
	S	0.00	0.00	0.00	30.33	0.00	0.00	0.00
0500-0700	B	0.00	0.00	0.00	51.99	0.00	0.00	0.00
	G	0.00	0.00	0.00	8.44	0.00	0.00	0.00
	M	0.00	0.00	0.00	.	.	.	.
	S	0.00	0.00	0.00	29.68	0.00	0.00	0.00
0700-0900	B	0.00	0.00	0.00	.	.	.	.
	G	.	.	.	18.97	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 13-14MAY

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	M	0.00	0.00	0.00	21.80	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	55.80	0.00	0.00	0.00
	G	0.00	0.00	0.00	8.24	0.00	0.00	0.00
	M	0.00	0.00	0.00	38.02	0.00	0.00	0.00
	S	0.00	0.00	0.00	72.03	0.00	0.00	0.00
1100-1300	B	0.00	0.00	0.00	.	.	.	.
	G	0.00	0.00	0.00	.	.	.	.
	M	0.00	0.00	0.00	60.14	6.03	0.00	0.00
	S	0.00	0.00	0.00	105.75	0.00	0.00	0.00
1300-1500	B	0.00	0.00	0.00	66.82	0.00	0.00	0.00
	G	0.00	0.00	0.00	19.98	0.00	0.00	0.00
	M	0.00	0.00	0.00	35.16	0.00	0.00	0.00
	S	0.00	0.00	0.00	14.93	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 13-14MAY

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1500-1700	B	0.00	0.00	0.00	18.36	0.00	0.00	0.00
	G	0.00	0.00	0.00	.	.	.	.
	M	0.00	0.00	0.00	24.41	0.00	0.00	0.00
	S	0.00	0.00	0.00	4.44	0.00	0.00	0.00
1700-1900	B	0.00	0.00	0.00	57.21	0.00	0.00	0.00
	G	0.00	0.00	0.00	18.67	0.00	0.00	0.00
	M	0.00	0.00	0.00	23.02	0.00	0.00	0.00
	S	0.00	0.00	0.00	37.34	0.00	0.00	0.00
1900-2100	B	0.00	0.00	0.00	31.05	0.00	0.00	0.00
	G	.	.	.	8.77	0.00	0.00	0.00
	M	0.00	0.00	0.00	15.88	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	6.65	0.00	0.00
2100-2300	B	0.00	0.00	89.45	132.64	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 13-14MAY

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	G	0.00	0.00	45.54	14.10	0.00	0.00	0.00
	M	0.00	0.00	25.51	107.24	0.00	0.00	0.00
	S	.	.	.	113.09	0.00	0.00	0.00
2300-0100	S	0.00	0.00	71.72	.	.	.	.

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 13-14MAY

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0100-0300	B	360.06	158.98	0.00	0.00	0.00	158.98
	G	25.95	17.57	0.00	0.00	0.00	17.57
	M	341.55	93.32	0.00	0.00	0.00	93.32
	S	199.93	169.79	0.00	0.00	0.00	169.79
0300-0500	B	117.41	9.08	0.00	0.00	0.00	9.08
	G	.	.	.	.	.	.
	M	102.50	5.81	0.00	0.00	0.00	5.81
	S	30.33	0.00	0.00	0.00	0.00	0.00
0500-0700	B	51.99	0.00	0.00	0.00	0.00	0.00
	G	8.44	3.10	0.00	0.00	0.00	3.10
	M	.	.	.	.	.	.
	S	29.68	0.00	0.00	0.00	0.00	0.00
0700-0900	B	.	.	.	.	.	.
	G	18.97	6.12	0.00	0.00	0.00	6.12

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 13-14MAY

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0700-0900	M	21.80	6.87	0.00	0.00	0.00	6.87
0900-1100	B	55.80	2.60	0.00	0.00	0.00	2.60
	G	8.24	0.00	0.00	0.00	0.00	0.00
	M	38.02	25.65	0.00	0.00	0.00	25.65
	S	72.03	8.03	0.00	0.00	0.00	8.03
1100-1300	B	.	.	.	.	.	.
	G	.	.	.	.	.	.
	M	66.18	0.00	0.00	0.00	0.00	0.00
	S	105.75	0.00	0.00	0.00	0.00	0.00
1300-1500	B	66.82	0.00	0.00	0.00	0.00	0.00
	G	19.98	7.25	0.00	0.00	0.00	7.25
	M	35.16	0.00	0.00	0.00	0.00	0.00
	S	14.93	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 13-14MAY

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
1500-1700	B	18.36	0.00	0.00	0.00	0.00	0.00
	G	.	.	.	.	.	.
	M	24.41	0.00	0.00	0.00	0.00	0.00
	S	4.44	0.00	0.00	0.00	0.00	0.00
1700-1900	B	57.21	0.00	0.00	0.00	0.00	0.00
	G	18.67	0.00	0.00	0.00	0.00	0.00
	M	23.02	0.00	0.00	0.00	0.00	0.00
	S	37.34	0.00	0.00	0.00	0.00	0.00
1900-2100	B	31.05	0.00	0.00	0.00	0.00	0.00
	G	8.77	0.00	0.00	0.00	0.00	0.00
	M	15.88	0.00	0.00	0.00	0.00	0.00
	S	6.65	0.00	0.00	0.00	0.00	0.00
2100-2300	B	132.64	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 13-14MAY

TABLE 2		Transect					
		2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
2100-2300	G	14.10	0.00	0.00	0.00	0.00	0.00
	M	107.24	0.00	0.00	0.00	0.00	0.00
	S	113.09	0.00	0.00	0.00	0.00	0.00
2300-0100	S	.	.	.	.	.	.

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 20-22MAY

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	72.42	0.00	0.00	0.00	72.42	0.00	0.00
	G	122.86	0.00	0.00	0.00	122.86	0.00	0.00
	M	59.31	9.64	0.00	0.00	68.96	0.00	0.00
	S	67.60	5.66	5.60	0.00	78.86	0.00	0.00
0300-0500	B	92.13	0.00	0.00	0.00	92.13	0.00	0.00
	G	76.97	0.00	0.00	0.00	76.97	0.00	0.00
	M	37.12	0.00	0.00	0.00	37.12	0.00	0.00
	S	26.96	20.12	0.00	0.00	47.08	0.00	0.00
0500-0700	B	5.07	0.00	0.00	0.00	5.07	0.00	0.00
	G	26.30	0.00	0.00	0.00	26.30	0.00	0.00
	M	17.32	0.00	0.00	0.00	17.32	0.00	0.00
	S	11.42	0.00	5.68	0.00	17.10	0.00	0.00
0700-0900	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	10.04	0.00	0.00	0.00	10.04	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 20-22MAY

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	N	9.53	0.00	0.00	0.00	9.53	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	6.33	0.00	0.00	0.00	6.33	0.00	0.00
	N	9.66	0.00	0.00	0.00	9.66	0.00	0.00
	S	6.54	6.54	0.00	0.00	13.09	0.00	0.00
1100-1300	B	5.24	0.00	0.00	0.00	5.24	0.00	0.00
	G	17.70	0.00	0.00	0.00	17.70	0.00	0.00
	N	43.43	0.00	0.00	0.00	43.43	0.00	0.00
	S	7.09	0.00	0.00	0.00	7.09	0.00	0.00
1300-1500	B	19.25	0.00	0.00	0.00	19.25	0.00	0.00
	G	30.20	0.00	0.00	0.00	30.20	0.00	0.00
	N	47.99	0.00	4.01	0.00	51.99	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 20-22MAY

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	72.42	0.00	0.00	0.00	72.42	0.00	0.00
	G	122.86	0.00	0.00	0.00	122.86	0.00	0.00
	M	59.31	9.64	0.00	0.00	68.96	0.00	0.00
	S	67.60	5.66	5.60	0.00	78.86	0.00	0.00
0300-0500	B	92.13	0.00	0.00	0.00	92.13	0.00	0.00
	G	76.97	0.00	0.00	0.00	76.97	0.00	0.00
	M	37.12	0.00	0.00	0.00	37.12	0.00	0.00
	S	26.96	20.12	0.00	0.00	47.08	0.00	0.00
0500-0700	B	5.07	0.00	0.00	0.00	5.07	0.00	0.00
	G	26.30	0.00	0.00	0.00	26.30	0.00	0.00
	M	17.32	0.00	0.00	0.00	17.32	0.00	0.00
	S	11.42	0.00	5.68	0.00	17.10	0.00	0.00
0700-0900	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	10.04	0.00	0.00	0.00	10.04	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 20-22MAY

TABLE 2		Transect						
		1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	M	9.53	0.00	0.00	0.00	9.53	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	6.33	0.00	0.00	0.00	6.33	0.00	0.00
	M	9.66	0.00	0.00	0.00	9.66	0.00	0.00
	S	6.54	6.54	0.00	0.00	13.09	0.00	0.00
1100-1300	B	5.24	0.00	0.00	0.00	5.24	0.00	0.00
	G	17.70	0.00	0.00	0.00	17.70	0.00	0.00
	M	43.43	0.00	0.00	0.00	43.43	0.00	0.00
	S	7.09	0.00	0.00	0.00	7.09	0.00	0.00
1300-1500	B	19.25	0.00	0.00	0.00	19.25	0.00	0.00
	G	30.20	0.00	0.00	0.00	30.20	0.00	0.00
	M	47.99	0.00	4.01	0.00	51.99	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 20-22MAY

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1300-1500	S	24.30	0.00	0.00	0.00	24.30	0.00	0.00
1500-1700	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	19.92	0.00	0.00	0.00	19.92	0.00	0.00
	M	4.73	0.00	0.00	0.00	4.73	0.00	0.00
	S	10.50	10.35	0.00	0.00	20.85	0.00	0.00
1700-1900	B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	G	5.36	0.00	0.00	0.00	5.36	0.00	0.00
	M	5.85	0.00	0.00	0.00	5.85	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1900-2100	B	14.11	0.00	0.00	0.00	14.11	0.00	0.00
	G	5.54	0.00	0.00	0.00	5.54	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 20-22MAY

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	B	72.06	0.00	0.00	0.00	72.06	0.00	0.00
	G	16.55	0.00	0.00	0.00	16.55	0.00	0.00
	M	17.36	0.00	0.00	0.00	17.36	0.00	0.00
	S	3.69	11.05	3.69	0.00	18.42	0.00	0.00
2300-0100	B	60.31	3.77	0.00	0.00	64.09	0.00	0.00
	G	127.74	0.00	0.00	0.00	127.74	0.00	0.00
	M	42.91	0.00	0.00	0.00	42.91	0.00	0.00
	S	107.23	0.00	0.00	0.00	107.23	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 20-22MAY

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0100-0300	B	50.63	0.00	0.00	0.00	0.00	0.00
	G	28.22	0.00	0.00	0.00	0.00	0.00
	M	43.06	0.00	0.00	0.00	0.00	0.00
	S	61.99	0.00	0.00	0.00	0.00	0.00
0300-0500	B	50.00	0.00	0.00	0.00	0.00	0.00
	G	6.72	0.00	0.00	0.00	0.00	0.00
	M	18.24	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
0500-0700	B	4.99	0.00	0.00	0.00	0.00	0.00
	G	6.84	0.00	0.00	0.00	0.00	0.00
	M	6.65	0.00	0.00	0.00	0.00	0.00
	S	28.67	0.00	0.00	0.00	0.00	0.00
0700-0900	B	20.22	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 20-22MAY

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	M	0.00	0.00	0.00	5.95	0.00	0.00	0.00
	S	0.00	0.00	0.00	6.70	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	6.99	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1100-1300	B	0.00	0.00	0.00	17.79	0.00	0.00	0.00
	G	0.00	0.00	0.00	37.48	0.00	0.00	0.00
	M	0.00	0.00	0.00	16.13	0.00	0.00	0.00
	S	0.00	0.00	0.00	13.50	6.75	0.00	0.00
1300-1500	B	0.00	0.00	0.00	39.37	0.00	0.00	0.00
	G	0.00	0.00	0.00	37.73	0.00	0.00	0.00
	M	0.00	0.00	0.00	49.27	6.99	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 20-22MAY

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1300-1500	S	0.00	0.00	0.00	13.28	0.00	0.00	0.00
1500-1700	B	0.00	0.00	0.00	24.11	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	19.67	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1700-1900	B	0.00	0.00	0.00	15.49	0.00	0.00	0.00
	G	0.00	0.00	0.00	13.80	0.00	0.00	0.00
	M	0.00	0.00	0.00	18.81	0.00	0.00	0.00
	S	0.00	0.00	0.00	5.90	0.00	0.00	0.00
1900-2100	B	0.00	0.00	0.00	38.14	6.33	0.00	0.00
	G	0.00	0.00	0.00	54.65	0.00	0.00	0.00
	M	0.00	0.00	0.00	42.22	0.00	0.00	0.00
	S	0.00	0.00	0.00	41.19	0.00	6.91	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 20-22MAY

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	B	0.00	0.00	0.00	84.99	0.00	0.00	0.00
	G	0.00	0.00	0.00	30.29	0.00	0.00	0.00
	M	0.00	0.00	0.00	74.33	0.00	0.00	0.00
	S	0.00	0.00	0.00	65.95	0.00	0.00	0.00
2300-0100	B	0.00	0.00	0.00	61.41	0.00	0.00	0.00
	G	0.00	0.00	0.00	21.36	0.00	0.00	0.00
	M	0.00	0.00	0.00	24.01	0.00	0.00	0.00
	S	0.00	0.00	0.00	71.59	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 20-22MAY

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0100-0300	B	50.63	0.00	0.00	0.00	0.00	0.00
	G	28.22	0.00	0.00	0.00	0.00	0.00
	M	43.06	0.00	0.00	0.00	0.00	0.00
	S	61.99	0.00	0.00	0.00	0.00	0.00
0300-0500	B	50.00	0.00	0.00	0.00	0.00	0.00
	G	6.72	0.00	0.00	0.00	0.00	0.00
	M	18.24	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
0500-0700	B	4.99	0.00	0.00	0.00	0.00	0.00
	G	6.84	0.00	0.00	0.00	0.00	0.00
	M	6.65	0.00	0.00	0.00	0.00	0.00
	S	28.67	0.00	0.00	0.00	0.00	0.00
0700-0900	B	20.22	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 20-22MAY

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0700-0900	N	5.95	0.00	0.00	0.00	0.00	0.00
	S	6.70	0.00	0.00	0.00	0.00	0.00
0900-1100	B	6.99	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	N	0.00	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
1100-1300	B	17.79	0.00	0.00	0.00	0.00	0.00
	G	37.48	0.00	0.00	0.00	0.00	0.00
	N	16.13	0.00	0.00	0.00	0.00	0.00
	S	20.26	0.00	0.00	0.00	0.00	0.00
1300-1500	B	39.37	0.00	0.00	0.00	0.00	0.00
	G	37.73	0.00	0.00	0.00	0.00	0.00
	N	56.26	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 20-22MAY

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
1300-1500	S	13.28	0.00	0.00	0.00	0.00	0.00
1500-1700	B	24.11	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	19.67	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
1700-1900	B	15.49	0.00	0.00	0.00	0.00	0.00
	G	13.80	0.00	0.00	0.00	0.00	0.00
	M	18.81	0.00	0.00	0.00	0.00	0.00
	S	5.90	0.00	0.00	0.00	0.00	0.00
1900-2100	B	44.47	0.00	0.00	0.00	0.00	0.00
	G	54.65	0.00	0.00	0.00	0.00	0.00
	M	42.22	0.00	0.00	0.00	0.00	0.00
	S	48.10	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 20-22MAY

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
2100-2300	B	86.99	0.00	0.00	0.00	0.00	0.00
	G	30.29	0.00	0.00	0.00	0.00	0.00
	M	74.33	0.00	0.00	0.00	0.00	0.00
	S	65.95	0.00	0.00	0.00	0.00	0.00
2300-0100	B	61.41	0.00	0.00	0.00	0.00	0.00
	G	21.36	0.00	0.00	0.00	0.00	0.00
	M	24.01	0.00	0.00	0.00	0.00	0.00
	S	71.59	0.00	0.00	0.00	0.00	0.00

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 28-29MAY

TABLE 2		Transect						
		1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	48.02	0.00	0.00	0.00	48.02	32.01	0.00
	G	93.97	0.00	0.00	0.00	93.97	164.66	0.00
	M	45.54	0.00	0.00	0.00	45.54	60.69	0.00
	S	50.44	0.00	0.00	0.00	50.44	123.03	0.00
0300-0500	B	43.02	0.00	0.00	0.00	43.02	5.40	0.00
	G	34.45	0.00	0.00	0.00	34.45	28.94	0.00
	M	34.33	5.66	0.00	0.00	39.99	5.66	0.00
	S	10.67	0.00	0.00	0.00	10.67	10.67	0.00
0500-0700	B	38.65	0.00	0.00	0.00	38.65	0.00	0.00
	G	9.52	0.00	0.00	0.00	9.52	0.00	0.00
	M	24.46	0.00	0.00	0.00	24.46	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0700-0900	B	40.75	0.00	0.00	0.00	40.75	0.00	0.00
	G	27.12	0.00	0.00	0.00	27.12	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 28-29MAY

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	M	5.87	0.00	0.00	0.00	5.87	0.00	0.00
	S	11.62	0.00	0.00	0.00	11.62	0.00	0.00
0900-1100	B	8.56	0.00	0.00	0.00	8.56	0.00	0.00
	G	26.28	0.00	0.00	0.00	26.28	0.00	0.00
	M	37.19	0.00	0.00	0.00	37.19	0.00	0.00
	S	5.34	5.34	0.00	0.00	10.67	0.00	0.00
1100-1300	B	14.10	0.00	0.00	0.00	14.10	27.58	0.00
	G	20.82	0.00	0.00	0.00	20.82	26.84	0.00
	M	10.80	0.00	0.00	0.00	10.80	21.61	0.00
	S	4.73	0.00	0.00	0.00	4.73	0.00	0.00
1300-1500	B	22.61	0.00	0.00	0.00	22.61	0.00	0.00
	G	19.04	0.00	0.00	0.00	19.04	4.84	0.00
	M	5.67	0.00	0.00	0.00	5.67	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 28-29MAY

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1300-1500	S	9.12	0.00	0.00	0.00	9.12	4.50	0.00
1500-1700	B	43.88	0.00	0.00	0.00	43.88	0.00	0.00
	G	14.10	0.00	0.00	0.00	14.10	0.00	0.00
	M	10.95	0.00	0.00	0.00	10.95	0.00	0.00
	S	6.31	0.00	0.00	0.00	6.31	0.00	0.00
1700-1900	B	0.00	12.82	0.00	0.00	12.82	0.00	0.00
	G	6.25	0.00	0.00	0.00	6.25	0.00	0.00
	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	S	0.00	6.12	0.00	0.00	6.12	0.00	0.00
1900-2100	B	10.84	5.42	0.00	0.00	16.26	5.42	0.00
	G	0.00	0.00	0.00	0.00	0.00	25.82	0.00
	M	0.00	0.00	0.00	0.00	0.00	4.23	0.00
	S	0.00	4.44	0.00	0.00	4.44	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 28-29MAY

TABLE 2		Transect 1						
		Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density	All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	B	43.47	5.41	0.00	0.00	48.88	0.00	0.00
	G	4.80	0.00	0.00	0.00	4.80	0.00	0.00
	M	28.80	0.00	0.00	0.00	28.80	0.00	0.00
	S	24.19	0.00	0.00	0.00	24.19	6.02	0.00
2300-0100	B	35.88	0.00	0.00	0.00	35.88	0.00	0.00
	G	35.81	0.00	0.00	0.00	35.81	0.00	0.00
	M	31.19	0.00	0.00	0.00	31.19	0.00	0.00
	S	5.57	6.93	0.00	0.00	12.49	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 28-29MAY

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0100-0300	B	0.00	0.00	32.01	59.17	0.00	0.00	0.00
	G	0.00	0.00	164.66	6.89	21.28	0.00	0.00
	M	0.00	0.00	60.69	.	.	.	.
	S	0.00	0.00	123.03	6.12	6.12	0.00	0.00
0300-0500	B	0.00	0.00	5.40	29.50	0.00	0.00	0.00
	G	0.00	0.00	28.94	24.07	0.00	0.00	0.00
	M	0.00	0.00	5.66	16.45	0.00	0.00	0.00
	S	0.00	0.00	10.67	0.00	0.00	0.00	0.00
0500-0700	B	0.00	0.00	0.00	4.97	0.00	0.00	0.00
	G	0.00	0.00	0.00	5.78	0.00	0.00	0.00
	M	0.00	0.00	0.00	6.83	0.00	0.00	0.00
	S	0.00	0.00	0.00	6.84	0.00	0.00	0.00
0700-0900	B	0.00	0.00	0.00	4.90	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 28-29MAY

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
0700-0900	M	0.00	0.00	0.00	9.14	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0900-1100	B	0.00	0.00	0.00	5.40	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	9.26	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1100-1300	B	0.00	0.00	27.58	3.59	0.00	0.00	0.00
	G	0.00	0.00	26.84	0.00	0.00	0.00	0.00
	M	0.00	0.00	21.61	8.64	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1300-1500	B	0.00	0.00	0.00	23.95	4.88	0.00	0.00
	G	0.00	0.00	4.84	9.51	0.00	0.00	0.00
	M	0.00	0.00	0.00	26.99	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 28-29MAY

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
1300-1500	S	0.00	0.00	4.50	0.00	0.00	0.00	0.00
1500-1700	B	0.00	0.00	0.00	14.78	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	11.38	0.00	0.00	0.00
	S	0.00	0.00	0.00	5.61	0.00	0.00	0.00
1700-1900	B	0.00	0.00	0.00	15.89	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	5.28	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1900-2100	B	0.00	0.00	5.42	10.87	0.00	0.00	0.00
	G	0.00	0.00	25.82	6.02	0.00	0.00	0.00
	M	0.00	0.00	4.23	7.45	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 28-29MAY

TABLE 2		Transect						
		1			2			
		Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed	Alosa sapidissima egg density	Alosa sapidissima protolarvae density	Alosa sapidissima mesolarvae density	Alosa sapidissima metalarvae density
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector							
2100-2300	B	0.00	0.00	0.00	10.44	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	6.30	6.30	0.00	0.00
	S	0.00	0.00	6.02	5.65	0.00	0.00	0.00
2300-0100	B	0.00	0.00	0.00	11.80	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M	0.00	0.00	0.00	5.21	0.00	0.00	0.00
	S	0.00	0.00	0.00	9.03	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 28-29MAY

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0100-0300	B	59.17	0.00	0.00	0.00	0.00	0.00
	G	28.17	0.00	0.00	0.00	0.00	0.00
	M	.	.	.	.	.	.
	S	12.23	0.00	0.00	0.00	0.00	0.00
0300-0500	B	29.50	0.00	0.00	0.00	0.00	0.00
	G	24.07	0.00	0.00	0.00	0.00	0.00
	M	16.45	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
0500-0700	B	4.97	0.00	0.00	0.00	0.00	0.00
	G	5.78	0.00	0.00	0.00	0.00	0.00
	M	6.83	0.00	0.00	0.00	0.00	0.00
	S	6.84	0.00	0.00	0.00	0.00	0.00
0700-0900	B	4.90	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 28-29MAY

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0700-0900	M	9.14	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
0900-1100	B	5.40	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	9.26	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
1100-1300	B	3.59	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	8.64	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
1300-1500	B	28.83	0.00	0.00	0.00	0.00	0.00
	G	9.51	0.00	0.00	0.00	0.00	0.00
	M	26.99	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 28-29MAY

TABLE 2		Transect 2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
0700-0900	N	9.14	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
0900-1100	B	5.40	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	N	9.26	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
1100-1300	B	3.59	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	N	8.64	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
1300-1500	B	28.83	0.00	0.00	0.00	0.00	0.00
	G	9.51	0.00	0.00	0.00	0.00	0.00
	N	26.99	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 28-29MAY

TABLE 2		Transect					
		2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
1300-1500	S	0.00	0.00	0.00	0.00	0.00	0.00
1500-1700	B	14.78	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	11.38	0.00	0.00	0.00	0.00	0.00
	S	5.61	0.00	0.00	0.00	0.00	0.00
1700-1900	B	15.89	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	5.28	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00
1900-2100	B	10.87	0.00	0.00	0.00	0.00	0.00
	G	6.02	0.00	0.00	0.00	0.00	0.00
	M	7.45	0.00	0.00	0.00	0.00	0.00
	S	0.00	0.00	0.00	0.00	0.00	0.00

(CONTINUED)

Densities of American shad and striped bass
By sampling event, time period, sector, and transect

Sampling Event 28-29MAY

TABLE 2		Transect					
		2					
		All Alosa sapidissima life stages summed	Morone saxatilis egg density	Morone saxatilis protolarvae density	Morone saxatilis mesolarvae density	Morone saxatilis metalarvae density	All Morone saxatilis life stages summed
		Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates	Average of both replicates
Time Period	Sector						
2100-2300	B	10.44	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	12.59	0.00	0.00	0.00	0.00	0.00
	S	5.65	0.00	0.00	0.00	0.00	0.00
2300-0100	B	11.80	0.00	0.00	0.00	0.00	0.00
	G	0.00	0.00	0.00	0.00	0.00	0.00
	M	5.21	0.00	0.00	0.00	0.00	0.00
	S	9.03	0.00	0.00	0.00	0.00	0.00

Densities of American shad in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect						
		1						
		Egg density			Protolarvae density			Mesolarvae density
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sector							
0100-0300	B	216.65	279.22	18.00	0.00	0.00	18.00	0.00
	G	147.27	124.17	18.00	0.00	0.00	18.00	0.00
	M	103.85	102.79	14.00	1.38	5.16	14.00	0.00
	S	64.81	38.04	16.00	1.74	3.80	16.00	0.70
0300-0500	B	84.95	101.16	18.00	0.53	2.25	18.00	0.00
	G	75.30	49.60	16.00	0.00	0.00	16.00	0.00
	M	68.74	57.33	16.00	0.71	2.83	16.00	0.00
	S	22.73	19.63	16.00	2.52	7.28	16.00	0.00
0500-0700	B	65.13	83.07	16.00	0.00	0.00	16.00	0.00
	G	41.91	49.81	18.00	0.56	2.38	18.00	0.00
	M	31.90	28.80	16.00	0.00	0.00	16.00	0.00
	S	14.82	18.24	16.00	0.85	3.40	16.00	1.62
0700-0900	B	41.51	56.22	22.00	0.00	0.00	22.00	0.00
	G	30.80	27.46	16.00	1.65	6.61	16.00	0.00
	M	27.84	30.08	22.00	0.00	0.00	22.00	0.00
	S	18.61	19.16	16.00	0.85	3.41	16.00	0.00

(CONTINUED)

Densities of American shad in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect						
		1						
		Egg density			Protolarvae density			Mesolarvae density
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sector							
0900-1100	B	33.05	56.98	18.00	0.76	3.20	18.00	0.00
	G	58.70	75.38	24.00	0.00	0.00	24.00	0.00
	M	32.49	26.97	20.00	0.00	0.00	20.00	0.00
	S	7.24	9.95	24.00	2.93	5.23	24.00	0.00
1100-1300	B	52.27	93.08	18.00	0.00	0.00	18.00	0.00
	G	41.17	51.50	18.00	0.00	0.00	18.00	0.00
	M	24.22	25.37	16.00	0.00	0.00	16.00	0.00
	S	14.04	14.22	18.00	0.00	0.00	18.00	0.00
1300-1500	B	11.13	11.13	18.00	0.60	2.53	18.00	0.00
	G	18.62	12.81	16.00	0.00	0.00	16.00	0.00
	M	14.88	16.33	18.00	0.00	0.00	18.00	0.45
	S	6.09	11.81	18.00	0.00	0.00	18.00	0.00
1500-1700	B	8.94	14.69	18.00	0.00	0.00	18.00	0.00
	G	20.44	13.11	20.00	0.51	2.26	20.00	0.00
	M	8.57	12.98	18.00	0.00	0.00	18.00	0.00
	S	7.15	8.08	18.00	1.82	5.50	18.00	0.00

(CONTINUED)

Densities of American shad in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect						
		1						
		Egg density			Protolarvae density			Mesolarvae density
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sector							
1700-1900	B	4.29	9.20	20.00	2.38	6.45	20.00	0.00
	G	12.94	13.34	20.00	0.00	0.00	20.00	0.00
	M	4.90	8.64	20.00	0.00	0.00	20.00	0.00
	S	4.60	6.52	16.00	2.20	4.72	16.00	0.00
1900-2100	B	16.06	14.91	16.00	1.31	3.59	16.00	0.00
	G	28.78	38.54	12.00	0.00	0.00	12.00	0.00
	M	4.71	10.83	16.00	0.78	3.12	16.00	0.00
	S	16.48	35.70	18.00	2.45	4.82	18.00	0.00
2100-2300	B	72.44	37.69	14.00	0.77	2.89	14.00	0.00
	G	129.33	131.59	20.00	0.00	0.00	20.00	0.00
	M	31.77	30.72	16.00	0.00	0.00	16.00	0.00
	S	119.12	204.15	12.00	1.84	4.58	12.00	0.61
2300-0100	B	285.34	204.53	12.00	0.63	2.18	12.00	0.00
	G	161.84	141.85	10.00	0.00	0.00	10.00	0.00
	M	156.60	149.90	16.00	0.00	0.00	16.00	0.00
	S	107.77	117.10	18.00	0.77	3.27	18.00	0.00

(CONTINUED)

Densities of American shad in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect						
		1					2	
		Mesolarvae density		Metalarvae density			Egg density	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sector							
0100-0300	B	0.00	18.00	0.00	0.00	18.00	145.54	120.39
	G	0.00	18.00	0.00	0.00	18.00	44.85	37.80
	M	0.00	14.00	0.00	0.00	14.00	168.28	130.64
	S	2.80	16.00	0.00	0.00	16.00	94.07	85.25
0300-0500	B	0.00	18.00	0.00	0.00	18.00	88.37	77.30
	G	0.00	16.00	0.00	0.00	16.00	41.48	56.18
	M	0.00	16.00	0.00	0.00	16.00	60.69	53.46
	S	0.00	16.00	0.00	0.00	16.00	19.24	20.31
0500-0700	B	0.00	16.00	0.00	0.00	16.00	90.97	125.46
	G	0.00	18.00	0.00	0.00	18.00	16.54	15.87
	M	0.00	16.00	0.00	0.00	16.00	75.22	108.93
	S	4.46	16.00	0.00	0.00	16.00	35.44	48.23
0700-0900	B	0.00	22.00	0.00	0.00	22.00	56.48	65.93
	G	0.00	16.00	0.00	0.00	16.00	20.08	28.64
	M	0.00	22.00	0.00	0.00	22.00	32.14	34.04
	S	0.00	16.00	0.00	0.00	16.00	11.94	18.91
0900-1100	B	0.00	18.00	0.00	0.00	18.00	49.17	74.24

(CONTINUED)

Densities of American shad in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect						
		1					2	
		Mesolarvae density		Metalarvae density			Egg density	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sector							
0900-1100	G	0.00	24.00	0.00	0.00	24.00	19.39	30.31
	M	0.00	20.00	0.00	0.00	20.00	26.76	29.00
	S	0.00	24.00	0.00	0.00	24.00	44.66	62.31
1100-1300	B	0.00	18.00	0.00	0.00	18.00	18.35	16.68
	G	0.00	18.00	0.00	0.00	18.00	16.29	14.68
	M	0.00	16.00	0.00	0.00	16.00	22.95	22.05
	S	0.00	18.00	0.00	0.00	18.00	26.23	38.20
1300-1500	B	0.00	18.00	0.00	0.00	18.00	82.41	78.33
	G	0.00	16.00	0.00	0.00	16.00	21.06	19.42
	M	1.89	18.00	0.00	0.00	18.00	46.41	42.92
	S	0.00	18.00	0.00	0.00	18.00	11.56	17.26
1500-1700	B	0.00	18.00	0.00	0.00	18.00	37.75	54.31
	G	0.00	20.00	0.00	0.00	20.00	8.60	16.38
	M	0.00	18.00	0.00	0.00	18.00	34.48	54.80
	S	0.00	18.00	0.00	0.00	18.00	20.88	42.60
1700-1900	B	0.00	20.00	0.00	0.00	20.00	51.49	86.38
	G	0.00	20.00	0.00	0.00	20.00	10.10	15.30

(CONTINUED)

Densities of American shad in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect						
		1					2	
		Mesolarvae density		Metalarvae density			Egg density	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sector							
1700-1900	M	0.00	20.00	0.00	0.00	20.00	34.47	42.20
	S	0.00	16.00	0.00	0.00	16.00	27.97	38.67
1900-2100	B	0.00	16.00	0.00	0.00	16.00	49.59	45.75
	G	0.00	12.00	0.00	0.00	12.00	16.89	19.52
	M	0.00	16.00	0.00	0.00	16.00	28.85	27.81
	S	0.00	18.00	0.00	0.00	18.00	27.70	25.65
2100-2300	B	0.00	14.00	0.00	0.00	14.00	74.48	75.94
	G	0.00	20.00	0.00	0.00	20.00	24.04	23.76
	M	0.00	16.00	0.00	0.00	16.00	49.87	39.26
	S	2.13	12.00	0.00	0.00	12.00	36.20	40.71
2300-0100	B	0.00	12.00	0.00	0.00	12.00	207.97	233.90
	G	0.00	10.00	0.00	0.00	10.00	23.82	34.48
	M	0.00	16.00	0.00	0.00	16.00	74.35	78.04
	S	0.00	18.00	0.00	0.00	18.00	50.66	36.21

(CONTINUED)

Densities of American shad in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect						
		2						
		Egg density	Protolarvae density			Mesolarvae density		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sector							
0100-0300	B	16.00	0.73	2.92	16.00	0.81	3.24	16.00
	G	20.00	2.13	6.86	20.00	0.00	0.00	20.00
	M	12.00	0.00	0.00	12.00	0.99	3.42	12.00
	S	18.00	0.68	2.88	18.00	0.00	0.00	18.00
0300-0500	B	20.00	0.50	2.23	20.00	0.00	0.00	20.00
	G	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	M	22.00	0.54	2.54	22.00	0.00	0.00	22.00
	S	16.00	0.77	3.07	16.00	0.00	0.00	16.00
0500-0700	B	14.00	0.00	0.00	14.00	0.00	0.00	14.00
	G	14.00	0.00	0.00	14.00	0.00	0.00	14.00
	M	14.00	0.00	0.00	14.00	0.00	0.00	14.00
	S	18.00	1.46	4.30	18.00	0.00	0.00	18.00
0700-0900	B	16.00	0.00	0.00	16.00	0.00	0.00	16.00
	G	22.00	0.00	0.00	22.00	0.00	0.00	22.00
	M	20.00	0.00	0.00	20.00	0.00	0.00	20.00
	S	16.00	0.00	0.00	16.00	0.00	0.00	16.00
0900-1100	B	20.00	0.00	0.00	20.00	0.00	0.00	20.00

(CONTINUED)

Densities of American shad in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect						
		2						
		Egg density	Protolarvae density			Mesolarvae density		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sector							
0900-1100	G	18.00	0.75	3.19	18.00	0.00	0.00	18.00
	M	16.00	0.00	0.00	16.00	0.00	0.00	16.00
	S	20.00	0.00	0.00	20.00	0.00	0.00	20.00
1100-1300	B	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	G	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	M	16.00	0.75	3.02	16.00	0.00	0.00	16.00
	S	14.00	0.96	3.61	14.00	0.00	0.00	14.00
1300-1500	B	20.00	0.49	2.18	20.00	0.00	0.00	20.00
	G	20.00	0.00	0.00	20.00	0.00	0.00	20.00
	M	16.00	0.87	3.49	16.00	0.00	0.00	16.00
	S	20.00	0.00	0.00	20.00	0.00	0.00	20.00
1500-1700	B	20.00	0.00	0.00	20.00	0.00	0.00	20.00
	G	18.00	0.76	3.21	18.00	0.00	0.00	18.00
	M	24.00	0.00	0.00	24.00	0.00	0.00	24.00
	S	14.00	0.00	0.00	14.00	0.00	0.00	14.00
1700-1900	B	16.00	0.00	0.00	16.00	0.00	0.00	16.00
	G	18.00	0.00	0.00	18.00	0.00	0.00	18.00

(CONTINUED)

Densities of American shad in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect						
		2						
		Egg density	Protolarvae density			Mesolarvae density		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sector							
1700-1900	M	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	S	20.00	0.00	0.00	20.00	0.00	0.00	20.00
1900-2100	B	16.00	0.79	3.17	16.00	0.00	0.00	16.00
	G	18.00	0.66	2.78	18.00	0.00	0.00	18.00
	M	16.00	0.00	0.00	16.00	0.00	0.00	16.00
	S	16.00	0.83	3.33	16.00	0.86	3.46	16.00
2100-2300	B	18.00	0.00	0.00	18.00	0.00	0.00	18.00
	G	14.00	0.00	0.00	14.00	0.00	0.00	14.00
	M	16.00	0.79	3.15	16.00	0.00	0.00	16.00
	S	18.00	0.00	0.00	18.00	0.00	0.00	18.00
2300-0100	B	16.00	0.00	0.00	16.00	0.00	0.00	16.00
	G	18.00	0.00	0.00	18.00	0.00	0.00	18.00
	M	20.00	0.00	0.00	20.00	0.00	0.00	20.00
	S	16.00	0.00	0.00	16.00	0.00	0.00	16.00

(CONTINUED)

Densities of American shad in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect		
		2		
		Metalarvae density		
		MEAN	STD	N
Time Period	Sector			
0100-0300	B	0.00	0.00	16.00
	G	0.00	0.00	20.00
	M	0.00	0.00	12.00
	S	0.00	0.00	18.00
0300-0500	B	0.00	0.00	20.00
	G	0.00	0.00	12.00
	M	0.00	0.00	22.00
	S	0.00	0.00	16.00
0500-0700	B	0.00	0.00	14.00
	G	0.00	0.00	14.00
	M	0.00	0.00	14.00
	S	0.00	0.00	18.00
0700-0900	B	0.00	0.00	16.00
	G	0.00	0.00	22.00
	M	0.00	0.00	20.00
	S	0.00	0.00	16.00
0900-1100	B	0.00	0.00	20.00

(CONTINUED)

Densities of American shad in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect		
		2		
		Metalarvae density		
		MEAN	STD	N
Time Period	Sector			
0900-1100	G	0.00	0.00	18.00
	M	0.00	0.00	16.00
	S	0.00	0.00	20.00
1100-1300	B	0.00	0.00	12.00
	G	0.00	0.00	12.00
	M	0.00	0.00	16.00
	S	0.00	0.00	14.00
1300-1500	B	0.00	0.00	20.00
	G	0.00	0.00	20.00
	M	0.00	0.00	16.00
	S	0.00	0.00	20.00
1500-1700	B	0.00	0.00	20.00
	G	0.00	0.00	18.00
	M	0.00	0.00	24.00
	S	0.00	0.00	14.00
1700-1900	B	0.00	0.00	16.00
	G	0.00	0.00	18.00

(CONTINUED)

Densities of American shad in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect		
		2		
		Metalarvae density		
		MEAN	STD	N
Time Period	Sector			
1700-1900	M	0.00	0.00	12.00
	S	0.00	0.00	20.00
1900-2100	B	0.00	0.00	16.00
	G	0.00	0.00	18.00
	M	0.00	0.00	16.00
	S	0.00	0.00	16.00
2100-2300	B	0.00	0.00	18.00
	G	0.00	0.00	14.00
	M	0.00	0.00	16.00
	S	0.00	0.00	18.00
2300-0100	B	0.00	0.00	16.00
	G	0.00	0.00	18.00
	M	0.00	0.00	20.00
	S	0.00	0.00	16.00

Densities of striped bass in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect					
		1			2		
		Egg density			Egg density		
		MEAN	STD	N	MEAN	STD	N
Time Period	Sector						
0100-0300	B	3.56	10.93	18.00	19.87	55.81	16.00
	G	18.30	53.41	18.00	3.51	9.66	20.00
	M	8.67	23.41	14.00	15.55	39.61	12.00
	S	15.38	46.43	16.00	18.87	55.58	18.00
0300-0500	B	0.60	2.55	18.00	1.82	6.21	20.00
	G	3.62	10.14	16.00	0.00	0.00	12.00
	M	0.71	2.83	16.00	1.06	3.42	22.00
	S	1.33	5.33	16.00	0.00	0.00	16.00
0500-0700	B	0.00	0.00	16.00	0.00	0.00	14.00
	G	0.00	0.00	18.00	0.44	1.66	14.00
	M	0.00	0.00	16.00	0.00	0.00	14.00
	S	0.00	0.00	16.00	0.00	0.00	18.00
0700-0900	B	0.00	0.00	22.00	0.00	0.00	16.00
	G	0.00	0.00	16.00	1.11	5.22	22.00
	M	0.00	0.00	22.00	1.37	6.14	20.00
	S	0.00	0.00	16.00	0.00	0.00	16.00
0900-1100	B	0.00	0.00	18.00	0.52	2.32	20.00

(CONTINUED)

Densities of striped bass in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect					
		1			2		
		Egg density			Egg density		
		MEAN	STD	N	MEAN	STD	N
Time Period	Sector						
0900-1100	G	6.49	28.27	24.00	0.00	0.00	18.00
	M	0.00	0.00	20.00	3.21	12.82	16.00
	S	0.00	0.00	24.00	1.61	7.18	20.00
1100-1300	B	13.23	33.74	18.00	0.00	0.00	12.00
	G	2.98	9.75	18.00	0.00	0.00	12.00
	M	11.23	23.75	16.00	0.00	0.00	16.00
	S	4.48	17.12	18.00	0.00	0.00	14.00
1300-1500	B	0.00	0.00	18.00	2.92	13.06	20.00
	G	0.61	2.42	16.00	2.52	7.86	20.00
	M	0.00	0.00	18.00	0.00	0.00	16.00
	S	0.50	2.12	18.00	3.23	10.59	20.00
1500-1700	B	0.00	0.00	18.00	8.49	25.89	20.00
	G	0.00	0.00	20.00	19.37	59.03	18.00
	M	0.00	0.00	18.00	10.12	41.85	24.00
	S	0.00	0.00	18.00	5.71	17.43	14.00
1700-1900	B	0.00	0.00	20.00	1.81	7.25	16.00
	G	0.00	0.00	20.00	15.81	46.07	18.00

(CONTINUED)

Densities of striped bass in each sector at each transect
During each time period over all diel sampling events

TABLE 3		Transect					
		1			2		
		Egg density			Egg density		
		MEAN	STD	N	MEAN	STD	N
Time Period	Sector						
1700-1900	M	0.00	0.00	20.00	17.38	47.88	12.00
	S	0.00	0.00	16.00	11.25	23.66	20.00
1900-2100	B	0.68	2.71	16.00	8.60	26.33	16.00
	G	4.30	14.91	12.00	7.20	23.30	18.00
	M	0.53	2.11	16.00	7.09	17.70	16.00
	S	0.00	0.00	18.00	8.92	19.13	16.00
2100-2300	B	12.78	32.56	14.00	1.17	4.95	18.00
	G	9.11	28.18	20.00	2.95	7.81	14.00
	M	3.19	10.00	16.00	3.09	12.36	16.00
	S	1.00	3.48	12.00	1.25	5.31	18.00
2300-0100	B	0.00	0.00	12.00	0.00	0.00	16.00
	G	0.00	0.00	10.00	3.84	16.29	18.00
	M	0.00	0.00	16.00	0.00	0.00	20.00
	S	7.97	27.59	18.00	0.00	0.00	16.00

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 0100-0300

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Temperature	MEAN	18.54	18.19	18.31	18.54	18.63	18.32	18.44
	STD	1.39	1.49	1.37	1.58	1.28	1.46	1.50
	MAX	20.50	20.50	20.50	20.30	20.50	20.30	20.60
	MIN	16.30	16.30	16.30	16.30	16.70	16.80	15.90
	N	9.00	8.00	9.00	10.00	7.00	6.00	8.00
Dissolved Oxygen	MEAN	7.67	7.43	7.29	7.59	7.73	6.95	7.37
	STD	0.67	1.23	1.08	0.67	0.79	1.56	1.07
	MAX	9.34	8.24	9.40	8.35	9.38	8.01	9.40
	MIN	7.18	4.60	5.17	6.48	7.01	3.94	5.89
	N	9.00	8.00	9.00	10.00	7.00	6.00	8.00
pH	MEAN	6.92	6.94	6.96	6.98	6.92	6.88	6.77
	STD	0.16	0.10	0.10	0.28	0.16	0.16	0.33
	MAX	7.10	7.09	7.09	7.72	7.13	7.10	7.10
	MIN	6.65	6.82	6.81	6.76	6.70	6.66	6.17
	N	8.00	8.00	8.00	10.00	6.00	6.00	7.00
Conductivity	MEAN	69.33	63.75	69.56	64.70	71.57	66.33	61.50
	STD	12.91	10.22	12.83	9.66	12.99	10.35	18.13

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 0100-0300

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Conductivity	MAX	88.00	81.00	88.00	80.00	88.00	80.00	85.00
	MIN	51.00	53.00	52.00	52.00	51.00	53.00	28.00
	N	9.00	8.00	9.00	10.00	7.00	6.00	8.00

(CONTINUED)

Table 4		Sector
		S
		Transect
		2
Temperature	MEAN	17.98
	STD	1.54
	MAX	20.30
	MIN	16.20
	N	9.00
Dissolved Oxygen	MEAN	7.35
	STD	1.27
	MAX	8.44

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Table 4		Sector S Transect 2
Dissolved Oxygen	MIN	4.24
	N	9.00
pH	MEAN	6.94
	STD	0.09
	MAX	7.07
	MIN	6.76
	N	9.00
Conductivity	MEAN	62.67
	STD	9.80
	MAX	81.00
	MIN	52.00
	N	9.00

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 0300-0500

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Temperature	MEAN	17.92	18.44	18.26	17.38	18.32	18.50	18.85
	STD	1.47	1.56	1.62	0.98	1.47	1.53	1.20
	MAX	20.60	20.20	20.70	19.00	20.60	20.30	20.60
	MIN	16.20	16.60	16.30	16.50	16.40	16.40	16.80
	N	9.00	10.00	8.00	6.00	8.00	11.00	8.00
Dissolved Oxygen	MEAN	7.40	7.57	7.78	8.04	7.77	7.62	7.43
	STD	0.86	0.68	0.75	0.25	0.73	0.61	0.87
	MAX	9.38	8.58	9.46	8.30	9.39	8.55	9.35
	MIN	6.27	6.40	7.18	7.67	7.04	6.52	6.73
	N	9.00	10.00	8.00	6.00	8.00	11.00	8.00
pH	MEAN	6.89	6.81	6.94	6.87	6.90	6.94	6.82
	STD	0.16	0.20	0.11	0.14	0.12	0.13	0.26
	MAX	7.08	7.03	7.10	7.00	7.04	7.17	7.00
	MIN	6.60	6.38	6.80	6.67	6.73	6.75	6.30
	N	8.00	9.00	7.00	5.00	7.00	11.00	7.00
Conductivity	MEAN	66.67	63.30	68.75	61.50	68.62	64.45	68.00
	STD	12.71	7.29	12.06	8.73	11.58	8.56	10.94

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 0300-0500

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Conductivity	MAX	83.00	75.00	81.00	79.00	81.00	79.00	83.00
	MIN	51.00	55.00	51.00	55.00	51.00	55.00	50.00
	N	9.00	10.00	8.00	6.00	8.00	11.00	8.00

(CONTINUED)

Table 4		Sector
		S
		Transect
		2
Temperature	MEAN	18.50
	STD	1.45
	MAX	20.30
	MIN	16.70
	N	8.00
Dissolved Oxygen	MEAN	7.43
	STD	0.71
	MAX	8.16

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Table 4		Sector S Transect 2
Dissolved Oxygen	MIN	6.36
	N	8.00
pH	MEAN	6.82
	STD	0.11
	MAX	7.00
	MIN	6.67
	N	8.00
Conductivity	MEAN	64.87
	STD	6.94
	MAX	71.00
	MIN	56.00
	N	8.00

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 0500-0700

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Temperature	MEAN	18.28	18.16	18.40	18.17	18.21	17.60	18.28
	STD	1.58	1.42	1.61	1.48	1.62	1.44	1.67
	MAX	20.80	19.90	20.80	20.20	20.70	20.00	20.80
	MIN	16.10	16.50	16.00	16.50	16.00	16.00	16.00
	N	8.00	7.00	9.00	7.00	8.00	7.00	8.00
Dissolved Oxygen	MEAN	7.72	7.71	7.78	7.70	7.70	7.96	7.63
	STD	0.72	0.56	0.69	0.68	0.77	0.45	0.83
	MAX	9.38	8.35	9.46	8.47	9.44	8.44	9.46
	MIN	7.18	6.84	7.26	6.58	7.07	7.14	6.80
	N	8.00	7.00	9.00	7.00	8.00	7.00	8.00
pH	MEAN	6.89	6.92	6.94	6.93	6.92	6.84	6.90
	STD	0.23	0.11	0.08	0.10	0.16	0.21	0.09
	MAX	7.10	7.10	7.02	7.05	7.07	7.00	7.00
	MIN	6.40	6.80	6.80	6.81	6.60	6.40	6.80
	N	7.00	7.00	8.00	7.00	7.00	7.00	7.00
Conductivity	MEAN	70.75	64.14	71.67	64.29	70.00	62.57	68.00
	STD	10.29	7.20	10.11	5.82	10.38	6.13	10.14

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 0500-0700

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Conductivity	MAX	82.00	72.00	82.00	71.00	82.00	70.00	82.00
	MIN	52.00	55.00	52.00	57.00	52.00	56.00	52.00
	N	8.00	7.00	9.00	7.00	8.00	7.00	8.00

(CONTINUED)

Table 4		Sector
		S
		Transect
		2
Temperature	MEAN	18.19
	STD	1.64
	MAX	20.10
	MIN	16.10
	N	9.00
Dissolved Oxygen	MEAN	7.72
	STD	0.54
	MAX	8.30

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Table 4		Sector S Transect 2
Dissolved Oxygen	MIN	6.94
	N	9.00
pH	MEAN	6.92
	STD	0.07
	MAX	7.03
	MIN	6.84
	N	9.00
Conductivity	MEAN	64.89
	STD	6.94
	MAX	75.00
	MIN	55.00
	N	9.00

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 0700-0900

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Temperature	MEAN	18.19	17.50	18.10	18.19	18.31	17.98	17.95
	STD	1.41	1.18	1.51	1.58	1.46	1.58	1.50
	MAX	20.40	19.60	20.60	20.10	20.60	20.10	20.40
	MIN	16.20	16.10	16.30	16.00	16.20	15.80	16.10
	N	11.00	8.00	8.00	11.00	10.00	10.00	8.00
Dissolved Oxygen	MEAN	7.72	7.80	7.84	7.61	7.73	7.69	7.33
	STD	0.67	0.44	0.64	0.57	0.72	0.54	1.00
	MAX	9.40	8.35	8.99	8.50	9.49	8.70	9.58
	MIN	6.79	7.21	6.91	6.97	6.87	6.95	6.26
	N	11.00	8.00	8.00	11.00	10.00	10.00	8.00
pH	MEAN	6.93	6.94	7.00	6.95	6.93	6.92	6.99
	STD	0.14	0.07	0.15	0.08	0.24	0.08	0.49
	MAX	7.12	7.00	7.28	7.10	7.23	7.02	8.05
	MIN	6.68	6.85	6.83	6.82	6.40	6.80	6.60
	N	10.00	8.00	7.00	11.00	9.00	10.00	7.00
Conductivity	MEAN	63.91	59.13	60.38	63.45	64.10	61.90	54.00
	STD	11.15	5.14	15.04	9.67	9.67	9.39	9.24

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 0700-0900

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Conductivity	MAX	80.00	65.00	80.00	79.00	78.00	79.00	65.00
	MIN	49.00	51.00	31.00	51.00	52.00	51.00	39.00
	N	11.00	8.00	8.00	11.00	10.00	10.00	8.00

(CONTINUED)

Table 4		Sector
		S
		Transect
		2
Temperature	MEAN	17.55
	STD	1.26
	MAX	19.70
	MIN	15.90
	N	8.00
Dissolved Oxygen	MEAN	7.90
	STD	0.43
	MAX	8.42

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Table 4		Sector S Transect 2
Dissolved Oxygen	MIN	7.27
	N	8.00
pH	MEAN	6.95
	STD	0.08
	MAX	7.04
	MIN	6.80
	N	8.00
Conductivity	MEAN	58.88
	STD	5.87
	MAX	67.00
	MIN	51.00
	N	8.00

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 0900-1100

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Temperature	MEAN	18.69	18.09	18.17	18.11	18.10	18.22	18.56
	STD	1.57	1.57	1.38	1.45	1.45	1.27	1.58
	MAX	21.00	20.40	20.20	20.30	20.20	20.10	20.80
	MIN	16.70	15.70	16.20	16.10	16.00	16.30	15.80
	N	9.00	10.00	12.00	9.00	10.00	8.00	12.00
Dissolved Oxygen	MEAN	7.83	7.88	7.79	7.70	7.77	7.72	7.08
	STD	0.53	0.61	0.37	0.49	0.41	0.37	0.92
	MAX	8.74	8.69	8.40	8.52	8.25	8.25	8.75
	MIN	6.92	6.88	7.28	7.05	7.21	7.27	5.61
	N	9.00	10.00	12.00	9.00	10.00	8.00	12.00
pH	MEAN	6.93	6.83	6.93	6.96	6.91	6.88	6.71
	STD	0.13	0.22	0.11	0.14	0.10	0.10	0.22
	MAX	7.07	7.05	7.09	7.25	7.05	7.00	7.05
	MIN	6.72	6.27	6.80	6.82	6.74	6.70	6.42
	N	8.00	10.00	11.00	9.00	9.00	8.00	11.00
Conductivity	MEAN	62.00	61.00	63.33	60.22	64.10	61.88	54.08
	STD	11.97	11.43	13.49	10.72	10.73	9.42	9.95

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 0900-1100

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Conductivity	MAX	79.00	79.00	81.00	78.00	81.00	79.00	79.00
	MIN	39.00	49.00	37.00	49.00	51.00	51.00	40.00
	N	9.00	10.00	12.00	9.00	10.00	8.00	12.00

(CONTINUED)

Table 4		Sector
		S
		Transect
		2
Temperature	MEAN	18.32
	STD	1.60
	MAX	20.10
	MIN	15.80
	N	10.00
Dissolved Oxygen	MEAN	7.87
	STD	0.59
	MAX	8.81

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Table 4		Sector S Transect 2
Dissolved Oxygen	MIN	6.97
	N	10.00
pH	MEAN	6.88
	STD	0.20
	MAX	7.16
	MIN	6.45
	N	10.00
Conductivity	MEAN	61.80
	STD	10.73
	MAX	79.00
	MIN	51.00
	N	10.00

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 1100-1300

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Temperature	MEAN	18.12	17.43	18.40	17.67	18.34	17.98	18.28
	STD	1.41	1.27	1.47	1.35	1.61	1.52	1.67
	MAX	19.90	19.20	20.30	19.70	20.40	20.60	20.50
	MIN	16.30	15.70	16.30	15.90	16.20	15.80	16.10
	N	9.00	6.00	9.00	6.00	8.00	8.00	9.00
Dissolved Oxygen	MEAN	7.88	8.07	7.65	8.07	7.53	7.95	7.39
	STD	0.37	0.60	0.88	0.49	0.94	0.47	0.68
	MAX	8.54	8.86	8.59	8.90	8.34	8.95	8.00
	MIN	7.32	7.39	5.51	7.59	5.36	7.52	5.74
	N	9.00	6.00	9.00	6.00	8.00	8.00	9.00
pH	MEAN	6.90	6.92	6.88	6.96	6.93	6.95	6.78
	STD	0.14	0.13	0.20	0.09	0.14	0.16	0.18
	MAX	7.08	7.17	7.10	7.10	7.13	7.22	7.02
	MIN	6.71	6.80	6.51	6.86	6.75	6.78	6.44
	N	8.00	6.00	8.00	6.00	7.00	8.00	8.00
Conductivity	MEAN	63.00	56.50	61.00	56.67	63.88	56.75	58.44
	STD	11.95	7.71	8.50	7.97	10.99	7.42	12.74

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 1100-1300

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Conductivity	MAX	80.00	69.00	75.00	71.00	81.00	70.00	80.00
	MIN	51.00	50.00	52.00	49.00	51.00	50.00	41.00
	N	9.00	6.00	9.00	6.00	8.00	8.00	9.00

(CONTINUED)

Table 4		Sector
		S
		Transect
		2
Temperature	MEAN	18.03
	STD	1.59
	MAX	20.20
	MIN	15.80
	N	7.00
Dissolved Oxygen	MEAN	8.08
	STD	0.64
	MAX	9.27

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Table 4		Sector S Transect 2
Dissolved Oxygen	MIN	7.50
	N	7.00
pH	MEAN	6.81
	STD	0.27
	MAX	7.17
	MIN	6.30
	N	7.00
Conductivity	MEAN	56.86
	STD	8.76
	MAX	70.00
	MIN	44.00
	N	7.00

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 1300-1500

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Temperature	MEAN	18.49	18.55	19.47	18.64	19.09	18.54	18.68
	STD	1.38	1.94	1.99	1.52	1.28	1.80	1.44
	MAX	20.20	22.90	23.10	20.80	20.30	21.50	20.00
	MIN	16.60	15.60	17.00	16.10	16.50	15.70	15.90
	N	9.00	10.00	8.00	10.00	9.00	8.00	9.00
Dissolved Oxygen	MEAN	7.56	7.83	7.25	7.92	7.15	8.18	6.79
	STD	0.56	0.76	1.34	0.58	0.93	0.68	0.84
	MAX	8.33	9.21	8.22	9.10	8.05	9.27	7.99
	MIN	6.82	6.76	4.08	7.21	4.97	7.19	5.31
	N	9.00	10.00	8.00	10.00	9.00	8.00	9.00
pH	MEAN	6.85	6.93	6.90	6.94	6.83	6.84	6.50
	STD	0.20	0.14	0.20	0.17	0.31	0.24	0.43
	MAX	7.07	7.14	7.27	7.24	7.15	7.10	7.08
	MIN	6.45	6.73	6.64	6.72	6.12	6.29	5.75
	N	9.00	10.00	8.00	10.00	9.00	8.00	9.00
Conductivity	MEAN	64.00	55.60	71.25	56.60	67.89	54.50	59.22
	STD	10.69	8.64	15.47	13.63	14.25	13.91	11.58

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 1300-1500

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Conductivity	MAX	83.00	75.00	93.00	79.00	92.00	78.00	81.00
	MIN	52.00	48.00	52.00	30.00	53.00	31.00	49.00
	N	9.00	10.00	8.00	10.00	9.00	8.00	9.00

(CONTINUED)

Table 4		Sector
		S
		Transect
		2
Temperature	MEAN	18.94
	STD	2.84
	MAX	26.20
	MIN	15.80
	N	10.00
Dissolved Oxygen	MEAN	7.95
	STD	0.67
	MAX	9.18

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Table 4		Sector S Transect 2
Dissolved Oxygen	MIN	7.10
	N	10.00
pH	MEAN	6.85
	STD	0.29
	MAX	7.18
	MIN	6.30
	N	10.00
Conductivity	MEAN	55.10
	STD	9.98
	MAX	75.00
	MIN	38.00
	N	10.00

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 1500-1700

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Temperature	MEAN	18.54	18.43	18.44	18.26	18.62	18.03	19.07
	STD	1.32	2.37	1.35	1.97	1.34	1.74	1.54
	MAX	20.30	24.00	20.40	22.20	20.50	20.90	21.00
	MIN	16.80	15.40	16.80	15.30	17.00	15.10	16.90
	N	9.00	10.00	10.00	9.00	9.00	12.00	9.00
Dissolved Oxygen	MEAN	7.48	8.27	7.51	8.21	7.58	8.35	7.07
	STD	0.61	0.70	0.51	0.64	0.41	0.86	0.94
	MAX	8.08	9.51	8.03	9.14	8.06	9.64	8.17
	MIN	6.28	7.23	6.47	7.34	7.00	7.17	5.25
	N	9.00	10.00	10.00	9.00	9.00	12.00	9.00
pH	MEAN	6.74	6.84	6.97	6.97	6.83	6.91	6.80
	STD	0.31	0.21	0.20	0.21	0.28	0.25	0.28
	MAX	7.07	7.13	7.31	7.22	7.16	7.24	7.10
	MIN	6.08	6.45	6.62	6.58	6.32	6.45	6.37
	N	9.00	10.00	10.00	9.00	9.00	12.00	9.00
Conductivity	MEAN	66.44	54.30	70.50	52.67	73.00	53.58	66.33
	STD	15.16	11.68	17.23	13.53	16.28	10.92	16.14

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 1500-1700

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Conductivity	MAX	95.00	75.00	97.00	79.00	95.00	75.00	89.00
	MIN	51.00	30.00	49.00	29.00	50.00	30.00	50.00
	N	9.00	10.00	10.00	9.00	9.00	12.00	9.00

(CONTINUED)

Table 4		Sector
		S
		Transect
		2
Temperature	MEAN	18.69
	STD	1.03
	MAX	20.40
	MIN	17.90
	N	7.00
Dissolved Oxygen	MEAN	7.57
	STD	0.49
	MAX	8.46

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Table 4		Sector S Transect 2
Dissolved Oxygen	MIN	7.07
	N	7.00
pH	MEAN	6.97
	STD	0.15
	MAX	7.19
	MIN	6.80
	N	7.00
Conductivity	MEAN	55.00
	STD	12.48
	MAX	75.00
	MIN	35.00
	N	7.00

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 1700-1900

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Temperature	MEAN	18.45	18.23	18.39	18.22	18.44	18.53	18.89
	STD	1.40	1.60	1.42	1.50	1.49	1.07	1.57
	MAX	20.20	20.00	20.50	19.90	20.70	20.00	20.30
	MIN	16.50	15.20	16.50	15.30	16.50	17.40	16.60
	N	10.00	8.00	10.00	9.00	10.00	6.00	8.00
Dissolved Oxygen	MEAN	7.51	8.11	7.76	8.17	7.52	7.88	7.02
	STD	0.46	0.76	0.42	0.78	0.36	0.52	1.02
	MAX	8.33	9.65	8.38	9.65	8.14	8.55	7.87
	MIN	6.76	7.18	7.01	7.16	7.15	7.15	5.27
	N	10.00	8.00	10.00	9.00	10.00	6.00	8.00
pH	MEAN	6.79	6.94	6.84	6.91	6.77	6.99	6.61
	STD	0.34	0.14	0.33	0.18	0.38	0.14	0.48
	MAX	7.12	7.18	7.30	7.22	7.14	7.22	7.11
	MIN	6.19	6.70	6.33	6.65	6.00	6.80	5.67
	N	10.00	8.00	10.00	9.00	10.00	6.00	8.00
Conductivity	MEAN	60.30	53.63	72.60	53.89	69.10	54.00	57.25
	STD	10.12	13.89	15.94	13.41	17.32	16.19	10.55

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 1700-1900

Table 4		Sector						
		B		G		N		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Conductivity	MAX	82.00	79.00	98.00	80.00	95.00	80.00	71.00
	MIN	50.00	30.00	50.00	29.00	50.00	30.00	38.00
	N	10.00	8.00	10.00	9.00	10.00	6.00	8.00

(CONTINUED)

Table 4		Sector
		S
		Transect
		2
Temperature	MEAN	18.20
	STD	2.44
	MAX	23.20
	MIN	15.10
	N	10.00
Dissolved Oxygen	MEAN	8.52
	STD	0.78
	MAX	9.71

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Table 4		Sector S Transect 2
Dissolved Oxygen	MIN	7.23
	N	10.00
pH	MEAN	6.89
	STD	0.18
	MAX	7.10
	MIN	6.61
	N	10.00
Conductivity	MEAN	53.40
	STD	11.79
	MAX	75.00
	MIN	29.00
	N	10.00

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 1900-2100

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Temperature	MEAN	18.37	18.41	18.15	18.17	18.10	18.49	18.13
	STD	1.45	1.53	1.47	1.44	1.82	1.66	1.71
	MAX	20.10	21.00	19.90	20.60	20.10	21.50	20.20
	MIN	16.50	16.40	16.50	16.40	15.20	16.50	16.00
	N	8.00	8.00	6.00	9.00	8.00	8.00	9.00
Dissolved Oxygen	MEAN	7.57	8.15	7.71	7.92	7.55	7.77	7.22
	STD	0.48	0.44	0.30	0.95	0.43	1.08	0.78
	MAX	8.51	8.86	8.19	8.90	8.22	8.88	8.15
	MIN	7.00	7.41	7.35	5.76	7.04	5.31	5.78
	N	8.00	8.00	6.00	9.00	8.00	8.00	9.00
pH	MEAN	6.74	6.85	6.62	6.91	6.84	6.91	6.55
	STD	0.43	0.15	0.48	0.07	0.61	0.08	0.65
	MAX	7.31	7.09	7.21	7.00	7.70	7.04	7.07
	MIN	6.17	6.58	5.85	6.80	5.80	6.80	5.10
	N	8.00	8.00	6.00	9.00	8.00	8.00	8.00
Conductivity	MEAN	70.87	54.88	70.50	54.67	72.00	55.50	59.00
	STD	14.08	12.61	17.07	12.10	15.12	13.96	17.33

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 1900-2100

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Conductivity	MAX	91.00	75.00	90.00	75.00	90.00	80.00	82.00
	MIN	52.00	31.00	52.00	31.00	52.00	31.00	31.00
	N	8.00	8.00	6.00	9.00	8.00	8.00	9.00

(CONTINUED)

Table 4		Sector
		S
		Transect
		2
Temperature	MEAN	18.61
	STD	1.51
	MAX	21.30
	MIN	16.50
	N	8.00
Dissolved Oxygen	MEAN	7.83
	STD	0.54
	MAX	8.52

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Table 4		Sector S Transect 2
Dissolved Oxygen	MIN	6.90
	N	8.00
pH	MEAN	6.89
	STD	0.16
	MAX	7.19
	MIN	6.69
	N	8.00
Conductivity	MEAN	55.00
	STD	13.10
	MAX	76.00
	MIN	30.00
	N	8.00

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 2100-2300

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Temperature	MEAN	18.54	18.09	18.44	18.47	18.41	18.24	18.78
	STD	1.26	1.31	1.33	1.33	1.48	1.33	1.28
	MAX	20.00	20.20	20.00	20.30	20.00	20.20	20.10
	MIN	16.70	16.40	16.40	16.50	16.50	16.40	16.60
	N	7.00	9.00	10.00	7.00	8.00	8.00	6.00
Dissolved Oxygen	MEAN	7.46	7.63	7.48	7.47	7.51	7.61	7.23
	STD	0.48	1.29	0.42	1.23	0.42	1.19	0.79
	MAX	8.20	8.77	8.27	8.38	8.13	8.77	8.25
	MIN	6.82	4.47	6.77	4.85	6.97	4.88	6.00
	N	7.00	9.00	10.00	7.00	8.00	8.00	6.00
pH	MEAN	6.80	6.89	6.95	6.98	6.79	6.92	6.82
	STD	0.44	0.15	0.27	0.08	0.40	0.06	0.35
	MAX	7.31	7.06	7.46	7.10	7.14	7.01	7.23
	MIN	6.02	6.59	6.54	6.89	5.89	6.85	6.29
	N	7.00	9.00	10.00	7.00	8.00	8.00	6.00
Conductivity	MEAN	73.86	54.22	72.00	55.43	66.75	54.25	63.33
	STD	13.81	11.52	13.88	15.43	12.87	12.88	13.88

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 2100-2300

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Conductivity	MAX	90.00	75.00	90.00	80.00	85.00	75.00	84.00
	MIN	52.00	33.00	51.00	29.00	51.00	30.00	52.00
	N	7.00	9.00	10.00	7.00	8.00	8.00	6.00

(CONTINUED)

Table 4		Sector
		S
		Transect
		2
Temperature	MEAN	18.20
	STD	1.41
	MAX	20.60
	MIN	16.40
	N	9.00
Dissolved Oxygen	MEAN	7.85
	STD	0.95
	MAX	8.78

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Table 4		Sector S Transect 2
Dissolved Oxygen	MIN	5.70
	N	9.00
pH	MEAN	6.90
	STD	0.12
	MAX	7.01
	MIN	6.61
	N	9.00
Conductivity	MEAN	54.00
	STD	11.85
	MAX	75.00
	MIN	31.00
	N	9.00

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 2300-0100

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Temperature	MEAN	18.28	18.49	18.54	18.22	18.37	18.02	18.54
	STD	1.17	1.76	1.20	1.54	1.30	1.53	1.36
	MAX	19.40	21.60	19.80	20.50	20.10	20.30	20.00
	MIN	16.70	16.30	16.70	16.30	16.30	16.30	16.30
	N	6.00	8.00	5.00	9.00	8.00	10.00	9.00
Dissolved Oxygen	MEAN	7.36	7.18	7.00	7.34	6.88	7.24	6.76
	STD	0.49	1.51	1.03	1.41	0.95	1.53	1.00
	MAX	8.15	8.47	7.98	8.75	7.95	8.62	8.29
	MIN	6.62	4.42	5.36	5.02	4.86	4.21	4.87
	N	6.00	8.00	5.00	9.00	8.00	10.00	9.00
pH	MEAN	6.85	6.94	6.81	6.96	6.93	6.92	6.67
	STD	0.32	0.09	0.37	0.09	0.37	0.10	0.50
	MAX	7.16	7.05	7.29	7.07	7.57	7.06	7.36
	MIN	6.39	6.79	6.40	6.81	6.32	6.80	5.67
	N	6.00	8.00	5.00	9.00	8.00	10.00	9.00
Conductivity	MEAN	73.50	56.38	71.40	55.89	66.87	55.60	54.22
	STD	15.90	15.28	15.53	15.08	15.66	14.43	14.52

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events

Time Period 2300-0100

Table 4		Sector						
		B		G		M		S
		Transect		Transect		Transect		Transect
		1	2	1	2	1	2	1
Conductivity	MAX	90.00	78.00	89.00	80.00	89.00	80.00	71.00
	MIN	52.00	28.00	52.00	27.00	50.00	27.00	30.00
	N	6.00	8.00	5.00	9.00	8.00	10.00	9.00

(CONTINUED)

Table 4		Sector
		S
		Transect
		2
Temperature	MEAN	18.34
	STD	1.53
	MAX	20.30
	MIN	16.20
	N	8.00
Dissolved Oxygen	MEAN	7.06
	STD	1.64
	MAX	8.48

(CONTINUED)

Water quality in each sector at each transect
During each time period over all diel sampling events.

Table 4		Sector S Transect 2
Dissolved Oxygen	MIN	4.24
	N	8.00
pH	MEAN	6.92
	STD	0.08
	MAX	7.03
	MIN	6.81
	N	8.00
Conductivity	MEAN	55.50
	STD	14.05
	MAX	75.00
	MIN	29.00
	N	8.00

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Alosa sapidissima egg			Alosa sapidissima protolarvae			Alosa sapidissima mesolarvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	25.43	31.78	24.00	0.00	0.00	24.00	0.00
02-03APR	11.46	13.30	88.00	0.27	1.79	88.00	0.00
05APR	0.76	2.63	12.00	0.00	0.00	12.00	0.00
08-10APR	68.62	106.78	96.00	0.55	2.38	96.00	0.00
11-12APR	13.80	18.82	24.00	0.00	0.00	24.00	0.00
15,17-19APR	75.05	146.17	96.00	0.00	0.00	96.00	0.00
16,19APR	30.01	26.95	24.00	0.00	0.00	24.00	0.00
22-24APR	88.41	112.17	96.00	0.21	1.45	96.00	0.00
25-26APR	123.10	125.24	24.00	0.00	0.00	24.00	0.00
29-30APR	99.54	129.37	96.00	1.02	3.92	96.00	0.15
02-03MAY	36.56	22.04	24.00	0.42	2.07	24.00	0.00
07-08MAY	9.06	11.57	70.00	0.33	1.96	70.00	0.00
10MAY	3.97	7.38	12.00	0.00	0.00	12.00	0.00
13-14MAY	34.08	65.84	96.00	0.71	2.82	96.00	0.00
17MAY	4.77	9.45	12.00	0.00	0.00	12.00	0.00
20-22MAY	28.47	35.35	96.00	1.40	4.74	96.00	0.40
24MAY	10.29	22.14	12.00	0.99	3.43	12.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Alosa sapidissima egg			Alosa sapidissima protolarvae			Alosa sapidissima mesolarvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAY	20.93	22.03	96.00	1.09	3.90	96.00	0.00
31MAY	6.54	7.34	12.00	0.00	0.00	12.00	0.00
03JUN	2.73	5.73	24.00	1.36	4.81	24.00	0.44
06JUN	22.80	39.02	24.00	0.42	2.08	24.00	0.00
10-11JUN	7.86	12.19	24.00	0.40	1.95	24.00	0.00
13-14JUN	6.03	14.31	24.00	0.00	0.00	24.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Alosa sapidissima mesolarvae		Alosa sapidissima metalarvae			Morone saxatilis eggs	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
28-29MAR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
02-03APR	0.00	88.00	0.00	0.00	88.00	0.00	0.00
05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
08-10APR	0.00	96.00	0.00	0.00	96.00	5.79	23.18
11-12APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
15,17-19APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
16,19APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
22-24APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
25-26APR	0.00	24.00	0.00	0.00	24.00	0.57	2.79
29-30APR	1.48	96.00	0.00	0.00	96.00	0.00	0.00
02-03MAY	0.00	24.00	0.00	0.00	24.00	0.00	0.00
07-08MAY	0.00	70.00	0.00	0.00	70.00	0.00	0.00
10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
13-14MAY	0.00	96.00	0.00	0.00	96.00	5.79	21.85
17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
20-22MAY	1.94	96.00	0.00	0.00	96.00	0.00	0.00
24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
28-29MAY	0.00	96.00	0.00	0.00	96.00	11.62	32.27

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Alosa sapidissima mesolarvae		Alosa sapidissima metalarvae			Morone saxatilis eggs	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
03JUN	2.17	24.00	0.00	0.00	24.00	0.00	0.00
06JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
10-11JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
13-14JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00

(CONTINUED)

TABLE 5	Morone saxatilis eggs	Morone saxatilis protolarvae			Morone saxatilis mesolarvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
02-03APR	88.00	0.00	0.00	88.00	0.00	0.00	88.00
05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
08-10APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
11-12APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
15,17-19APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Morone saxatilis eggs	Morone saxatilis protolarvae			Morone saxatilis mesolarvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
16,19APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
22-24APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
25-26APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
29-30APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
02-03MAY	24.00	0.00	0.00	24.00	0.00	0.00	24.00
07-08MAY	70.00	0.00	0.00	70.00	0.00	0.00	70.00
10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
13-14MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
20-22MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
28-29MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
03JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
06JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
10-11JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
13-14JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Morone saxatilis metalarvae			Cyprinidae eggs			Cyprinidae larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
02-03APR	0.00	0.00	88.00	0.00	0.00	88.00	6.53
05APR	0.00	0.00	12.00	0.00	0.00	12.00	3.58
08-10APR	0.00	0.00	96.00	0.00	0.00	96.00	20.34
11-12APR	0.00	0.00	24.00	0.46	2.25	24.00	0.00
15,17-19APR	0.00	0.00	96.00	0.00	0.00	96.00	1.07
16,19APR	0.00	0.00	24.00	0.49	2.39	24.00	3.79
22-24APR	0.00	0.00	96.00	0.51	2.89	96.00	38.95
25-26APR	0.00	0.00	24.00	0.00	0.00	24.00	4.95
29-30APR	0.00	0.00	96.00	0.00	0.00	96.00	13.88
02-03MAY	0.00	0.00	24.00	0.00	0.00	24.00	73.18
07-08MAY	0.00	0.00	70.00	0.00	0.00	70.00	4.00
10MAY	0.00	0.00	12.00	0.00	0.00	12.00	2.47
13-14MAY	0.00	0.00	96.00	0.00	0.00	96.00	13.29
17MAY	0.00	0.00	12.00	0.00	0.00	12.00	1.77
20-22MAY	0.00	0.00	96.00	0.00	0.00	96.00	4.72
24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
28-29MAY	0.00	0.00	96.00	0.00	0.00	96.00	2.98

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Morone saxatilis metalarvae			Cyprinidae eggs			Cyprinidae larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
03JUN	0.00	0.00	24.00	0.00	0.00	24.00	10.23
06JUN	0.00	0.00	24.00	0.00	0.00	24.00	17.44
10-11JUN	0.00	0.00	24.00	0.00	0.00	24.00	5.73
13-14JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00

(CONTINUED)

TABLE 5	Cyprinidae larvae		Minytrema melanops larvae			Unknown eggs	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
28-29MAR	0.00	24.00	5.08	10.98	24.00	5.76	10.27
02-03APR	11.97	88.00	5.14	8.46	88.00	3.66	6.20
05APR	6.54	12.00	0.98	3.39	12.00	0.00	0.00
08-10APR	34.71	96.00	16.53	31.39	96.00	10.48	26.75
11-12APR	0.00	24.00	4.74	8.39	24.00	1.70	4.73
15,17-19APR	4.02	96.00	15.57	28.14	96.00	8.14	12.60
16,19APR	5.52	24.00	8.76	16.59	24.00	22.57	74.33

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Cyprinidae larvae		Minytrema melanops larvae			Unknown eggs	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
22-24APR	96.08	96.00	22.57	46.30	96.00	7.99	13.94
25-26APR	9.32	24.00	4.92	7.25	24.00	63.75	72.48
29-30APR	25.35	96.00	13.46	24.34	96.00	12.89	17.39
02-03MAY	149.57	24.00	7.83	10.81	24.00	12.45	9.21
07-08MAY	7.53	70.00	1.14	3.22	70.00	5.72	8.00
10MAY	4.51	12.00	1.70	4.04	12.00	0.00	0.00
13-14MAY	32.09	96.00	1.69	4.35	96.00	11.44	44.79
17MAY	4.14	12.00	0.89	3.07	12.00	3.87	7.36
20-22MAY	9.68	96.00	1.01	2.90	96.00	6.08	12.05
24MAY	0.00	12.00	0.92	3.19	12.00	3.89	5.79
28-29MAY	7.38	96.00	1.00	3.52	96.00	8.10	14.26
31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
03JUN	21.23	24.00	2.84	6.16	24.00	0.47	2.32
06JUN	49.49	24.00	5.48	15.15	24.00	0.31	1.50
10-11JUN	9.15	24.00	2.06	4.74	24.00	0.00	0.00
13-14JUN	0.00	24.00	0.92	4.52	24.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Unknown eggs	Carpiodes velifer eggs			Carpiodes velifer larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
02-03APR	88.00	0.00	0.00	88.00	0.00	0.00	88.00
05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
08-10APR	96.00	0.00	0.00	96.00	0.09	0.84	96.00
11-12APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
15,17-19APR	96.00	0.00	0.00	96.00	1.60	5.39	96.00
16,19APR	24.00	0.00	0.00	24.00	1.44	3.90	24.00
22-24APR	96.00	0.09	0.92	96.00	3.54	11.40	96.00
25-26APR	24.00	0.00	0.00	24.00	3.36	5.43	24.00
29-30APR	96.00	0.00	0.00	96.00	14.38	50.77	96.00
02-03MAY	24.00	0.00	0.00	24.00	18.94	36.12	24.00
07-08MAY	70.00	0.17	1.46	70.00	2.86	6.11	70.00
10MAY	12.00	0.00	0.00	12.00	1.87	4.45	12.00
13-14MAY	96.00	0.00	0.00	96.00	2.27	7.18	96.00
17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
20-22MAY	96.00	0.10	0.98	96.00	2.76	6.85	96.00
24MAY	12.00	0.00	0.00	12.00	0.94	3.25	12.00
28-29MAY	96.00	0.00	0.00	96.00	2.05	5.55	96.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Unknown eggs	Carpiodes velifer eggs			Carpiodes velifer larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
03JUN	24.00	0.00	0.00	24.00	2.40	7.56	24.00
06JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
10-11JUN	24.00	0.00	0.00	24.00	0.46	2.25	24.00
13-14JUN	24.00	0.00	0.00	24.00	0.46	2.27	24.00

(CONTINUED)

TABLE 5	Cyprinus carpio larvae			Lepomis sp. larvae			Pomoxis sp. larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
02-03APR	0.00	0.00	88.00	0.92	3.17	88.00	3.22
05APR	0.00	0.00	12.00	2.20	5.25	12.00	3.66
08-10APR	0.00	0.00	96.00	3.96	9.34	96.00	33.27
11-12APR	0.45	2.20	24.00	0.00	0.00	24.00	0.00
15,17-19APR	0.19	1.32	96.00	0.11	1.06	96.00	7.81
16,19APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Cyprinus carpio larvae			Lepomis sp. larvae			Pomoxis sp. larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
22-24APR	0.23	1.61	96.00	0.81	2.91	96.00	21.42
25-26APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
29-30APR	0.00	0.00	96.00	0.37	2.09	96.00	0.12
02-03MAY	0.77	2.61	24.00	0.00	0.00	24.00	0.00
07-08MAY	4.57	8.10	70.00	4.06	9.74	70.00	0.00
10MAY	9.33	10.34	12.00	5.02	5.33	12.00	0.00
13-14MAY	22.58	41.17	96.00	7.31	14.44	96.00	0.13
17MAY	0.00	0.00	12.00	0.87	3.02	12.00	0.00
20-22MAY	6.57	10.25	96.00	0.70	3.11	96.00	0.00
24MAY	0.00	0.00	12.00	0.99	3.43	12.00	0.00
28-29MAY	9.23	14.93	96.00	0.81	3.65	96.00	0.40
31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
03JUN	8.62	11.93	24.00	11.45	24.13	24.00	0.00
06JUN	0.00	0.00	24.00	95.21	268.33	24.00	0.00
10-11JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
13-14JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Pomoxis sp. larvae		Perca flavescens larvae			Notimegonus crysoleucas larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
28-29MAR	0.00	24.00	0.71	2.43	24.00	0.00	0.00
02-03APR	10.06	88.00	0.88	3.09	88.00	0.40	1.90
05APR	7.40	12.00	0.00	0.00	12.00	0.00	0.00
08-10APR	61.68	96.00	3.15	7.89	96.00	1.01	3.47
11-12APR	0.00	24.00	0.88	3.06	24.00	0.00	0.00
15,17-19APR	27.64	96.00	0.60	2.39	96.00	0.61	2.79
16,19APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
22-24APR	104.48	96.00	4.16	20.99	96.00	20.19	126.22
25-26APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
29-30APR	1.14	96.00	0.40	2.26	96.00	0.51	2.99
02-03MAY	0.00	24.00	0.54	2.64	24.00	0.38	1.86
07-08MAY	0.00	70.00	0.50	2.07	70.00	0.60	4.08
10MAY	0.00	12.00	0.00	0.00	12.00	2.31	5.88
13-14MAY	1.23	96.00	0.10	0.93	96.00	3.29	8.35
17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
20-22MAY	0.00	96.00	0.11	1.03	96.00	0.24	1.67
24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
28-29MAY	2.25	96.00	0.10	0.95	96.00	0.56	2.41

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Pomoxis sp. larvae		Perca flavescens larvae			Notimegonus crysoleucas larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
03JUN	0.00	24.00	0.00	0.00	24.00	0.47	2.30
06JUN	0.00	24.00	0.00	0.00	24.00	2.20	6.48
10-11JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
13-14JUN	0.00	24.00	0.00	0.00	24.00	0.56	2.76

(CONTINUED)

TABLE 5	Notimegonus crysoleucas larvae	Percidae eggs			Percidae larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
02-03APR	88.00	0.00	0.00	88.00	0.54	2.96	88.00
05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
08-10APR	96.00	0.00	0.00	96.00	0.55	2.72	96.00
11-12APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
15,17-19APR	96.00	0.10	0.95	96.00	0.13	1.27	96.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Notimagonus crysoleucas larvae	Percidae eggs			Percidae larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
16,19APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
22-24APR	96.00	0.26	1.77	96.00	0.15	1.49	96.00
25-26APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
29-30APR	96.00	0.00	0.00	96.00	1.15	5.82	96.00
02-03MAY	24.00	0.31	1.54	24.00	0.40	1.95	24.00
07-08MAY	70.00	0.44	2.14	70.00	0.32	1.89	70.00
10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
13-14MAY	96.00	0.15	1.45	96.00	0.14	1.40	96.00
17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
20-22MAY	96.00	0.11	1.03	96.00	0.33	1.86	96.00
24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
28-29MAY	96.00	3.40	14.18	96.00	0.00	0.00	96.00
31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
03JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
06JUN	24.00	3.44	9.89	24.00	0.62	3.06	24.00
10-11JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
13-14JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Dorosoma cepedianum larvae			Pomoxis nigromaculatus larvae			Elassoma zonatum larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
02-03APR	0.00	0.00	88.00	0.00	0.00	88.00	1.02
05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
08-10APR	0.24	1.64	96.00	3.25	9.08	96.00	1.83
11-12APR	0.00	0.00	24.00	0.00	0.00	24.00	0.59
15,17-19APR	0.09	0.91	96.00	5.06	15.22	96.00	0.57
16,19APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
22-24APR	0.00	0.00	96.00	0.10	0.96	96.00	3.71
25-26APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
29-30APR	0.00	0.00	96.00	0.27	1.86	96.00	0.42
02-03MAY	0.00	0.00	24.00	0.52	2.57	24.00	0.00
07-08MAY	3.72	19.66	70.00	0.00	0.00	70.00	0.00
10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
13-14MAY	1.21	4.61	96.00	0.15	1.44	96.00	0.00
17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
20-22MAY	0.26	1.82	96.00	0.00	0.00	96.00	0.00
24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Dorosoma cepedianum larvae			Pomoxis nigromaculatus larvae			Elassoma zonatum larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAY	0.00	0.00	96.00	0.16	1.55	96.00	0.00
31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
03JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
06JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
10-11JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
13-14JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Elassoma zonatum larvae		Aphredoderus sayanus larvae			Unidentified/damaged larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
28-29MAR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
02-03APR	3.87	88.00	0.40	2.63	88.00	0.43	2.04
05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
08-10APR	6.58	96.00	0.66	2.86	96.00	0.67	3.02
11-12APR	2.89	24.00	0.51	2.49	24.00	0.00	0.00
15,17-19APR	2.22	96.00	0.56	3.42	96.00	0.18	1.24
16,19APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
22-24APR	20.13	96.00	1.16	7.76	96.00	0.80	3.23
25-26APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
29-30APR	2.37	96.00	0.27	1.86	96.00	0.10	0.94
02-03MAY	0.00	24.00	0.00	0.00	24.00	0.25	1.21
07-08MAY	0.00	70.00	0.00	0.00	70.00	0.26	2.17
10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
13-14MAY	0.00	96.00	0.00	0.00	96.00	0.25	1.72
17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
20-22MAY	0.00	96.00	0.00	0.00	96.00	0.11	1.10
24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
28-29MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Elassoma zonatum larvae		Aphredoderus sayanus larvae			Unidentified/damaged larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
03JUN	0.00	24.00	0.00	0.00	24.00	1.02	3.47
06JUN	0.00	24.00	0.00	0.00	24.00	1.13	5.53
10-11JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
13-14JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00

(CONTINUED)

TABLE 5	Unidentifie-d/damaged larvae	Centrarchus macropterus larvae			Elassoma sp. larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
02-03APR	88.00	0.00	0.00	88.00	0.00	0.00	88.00
05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
08-10APR	96.00	0.00	0.00	96.00	2.85	7.67	96.00
11-12APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
15,17-19APR	96.00	0.00	0.00	96.00	0.17	1.18	96.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Unidentified/damaged larvae	Centrarchus macropterus larvae			Elassoma sp. larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
16,19APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
22-24APR	96.00	0.15	1.49	96.00	0.00	0.00	96.00
25-26APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
29-30APR	96.00	0.11	1.03	96.00	0.12	1.14	96.00
02-03MAY	24.00	0.00	0.00	24.00	0.00	0.00	24.00
07-08MAY	70.00	0.00	0.00	70.00	0.00	0.00	70.00
10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
13-14MAY	96.00	0.73	4.30	96.00	0.33	1.85	96.00
17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
20-22MAY	96.00	0.24	1.73	96.00	0.00	0.00	96.00
24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
28-29MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
03JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
06JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
10-11JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
13-14JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Alosa mediocris larvae			Micropterus salmoides larvae			Clupeidae larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
02-03APR	0.00	0.00	88.00	0.00	0.00	88.00	0.00
05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
08-10APR	0.00	0.00	96.00	0.27	1.86	96.00	0.26
11-12APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
15,17-19APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
16,19APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
22-24APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
25-26APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
29-30APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
02-03MAY	0.00	0.00	24.00	0.00	0.00	24.00	0.00
07-08MAY	0.56	3.47	70.00	0.00	0.00	70.00	0.00
10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
13-14MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
20-22MAY	0.12	1.13	96.00	0.00	0.00	96.00	0.00
24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
28-29MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Alosa mediocris larvae			Micropterus salmoides larvae			Clupeidae larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
03JUN	0.00	0.00	24.00	0.94	3.20	24.00	0.00
06JUN	0.00	0.00	24.00	30.48	84.22	24.00	0.00
10-11JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
13-14JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00

(CONTINUED)

TABLE 5	Clupeidae larvae		Acipenser sp. larvae			Labidesthes sicculus larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
28-29MAR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
02-03APR	0.00	88.00	0.00	0.00	88.00	0.00	0.00
05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
08-10APR	1.89	96.00	0.00	0.00	96.00	0.00	0.00
11-12APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
15,17-19APR	0.00	96.00	0.15	1.46	96.00	0.00	0.00
16,19APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Clupeidae larvae		Acipenser sp. larvae			Labidesthes sicculus larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
22-24APR	0.00	96.00	0.09	0.85	96.00	0.00	0.00
25-26APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
29-30APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
02-03MAY	0.00	24.00	0.00	0.00	24.00	0.00	0.00
07-08MAY	0.00	70.00	0.00	0.00	70.00	0.00	0.00
10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
13-14MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
20-22MAY	0.00	96.00	0.00	0.00	96.00	0.26	1.80
24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
28-29MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
03JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
06JUN	0.00	24.00	0.00	0.00	24.00	0.58	2.82
10-11JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
13-14JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Labidesthes sicculus larvae	Ictalurus punctatus larvae			Cyprinella (Notropis) nivea larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
02-03APR	88.00	0.00	0.00	88.00	0.00	0.00	88.00
05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
08-10APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
11-12APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
15,17-19APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
16,19APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
22-24APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
25-26APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
29-30APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
02-03MAY	24.00	0.25	1.21	24.00	0.00	0.00	24.00
07-08MAY	70.00	0.00	0.00	70.00	0.00	0.00	70.00
10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
13-14MAY	96.00	0.00	0.00	96.00	0.14	1.40	96.00
17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
20-22MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Labidesthes sicculus larvae	Ictalurus punctatus larvae			Cyprinella (Notropis) nivea larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
03JUN	24.00	0.48	2.34	24.00	0.00	0.00	24.00
06JUN	24.00	0.97	3.29	24.00	0.00	0.00	24.00
10-11JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
13-14JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Amia calva larvae			Esox sp. larvae			Erimyzon sp. larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
02-03APR	0.00	0.00	88.00	0.00	0.00	88.00	0.16
05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
08-10APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
11-12APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
15,17-19APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
16,19APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
22-24APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
25-26APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
29-30APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
02-03MAY	0.00	0.00	24.00	0.00	0.00	24.00	0.00
07-08MAY	0.00	0.00	70.00	0.00	0.00	70.00	0.00
10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
13-14MAY	0.12	1.21	96.00	0.00	0.00	96.00	0.00
17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
20-22MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
28-29MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Amia calva larvae			Esox sp. larvae			Erimyzon sp. larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
03JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
06JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
10-11JUN	0.00	0.00	26.00	0.00	0.00	24.00	0.00
13-14JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00

(CONTINUED)

TABLE 5	Erimyzon sp. larvae		Centrarchidae larvae			Chologaster cornuta larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
28-29MAR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
02-03APR	1.49	88.00	0.00	0.00	88.00	0.00	0.00
05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
08-10APR	0.00	96.00	0.34	1.98	96.00	0.00	0.00
11-12APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
15,17-19APR	0.00	96.00	0.00	0.00	96.00	0.10	1.03
16,19APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Erimyzon sp. larvae		Centrarchidae larvae			Chologaster cornuta larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
22-24APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
25-26APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
29-30APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
02-03MAY	0.00	24.00	0.00	0.00	24.00	0.00	0.00
07-08MAY	0.00	70.00	0.00	0.00	70.00	0.00	0.00
10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
13-14MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
20-22MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
28-29MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
03JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
06JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
10-11JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
13-14JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Chologaster cornuta larvae	Lepomis macrochirus larvae			Dorosoma sp. larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
02-03APR	88.00	0.00	0.00	88.00	0.00	0.00	88.00
05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
08-10APR	96.00	0.00	0.00	96.00	0.09	0.87	96.00
11-12APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
15,17-19APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
16,19APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
22-24APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
25-26APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
29-30APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
02-03MAY	24.00	0.00	0.00	24.00	0.00	0.00	24.00
07-08MAY	70.00	0.00	0.00	70.00	0.00	0.00	70.00
10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
13-14MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
20-22MAY	96.00	0.00	0.00	96.00	0.21	2.07	96.00
24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Chologaster cornuta larvae	Lepomis macrochirus larvae			Dorosoma sp. larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
03JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
06JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
10-11JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
13-14JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Etheostoma olmstedi larvae			Lepomis auritus larvae			Notropis pettersoni larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
02-03APR	0.00	0.00	88.00	0.00	0.00	88.00	0.00
05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
08-10APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
11-12APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
15,17-19APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
16,19APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
22-24APR	0.00	0.00	96.00	0.00	0.00	96.00	0.36
25-26APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
29-30APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
02-03MAY	0.00	0.00	24.00	0.00	0.00	24.00	0.00
07-08MAY	0.00	0.00	70.00	0.00	0.00	70.00	0.00
10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
13-14MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
20-22MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Etheostoma olmstedi larvae			Lepomis auritus larvae			Notropis pettersoni larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
03JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
06JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
10-11JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
13-14JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Notropis pattersoni larvae		Umbra pygmaea larvae			Ictaluridae larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
28-29MAR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
02-03APR	0.00	88.00	0.00	0.00	88.00	0.00	0.00
05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
08-10APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
11-12APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
15,17-19APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
16,19APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
22-24APR	3.57	96.00	0.00	0.00	96.00	0.00	0.00
25-26APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
29-30APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
02-03MAY	0.00	24.00	0.00	0.00	24.00	0.00	0.00
07-08MAY	0.00	70.00	0.00	0.00	70.00	0.00	0.00
10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
13-14MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
20-22MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
28-29MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Notropis pettersoni larvae		Umbra pygmaea larvae			Ictaluridae larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
03JUN	0.00	24.00	0.00	0.00	24.00	0.47	2.32
06JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
10-11JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
13-14JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00

(CONTINUED)

TABLE 5	Ictaluridae larvae	Lepistosteus larvae			Ameiurus catus larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
02-03APR	88.00	0.00	0.00	88.00	0.00	0.00	88.00
05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
08-10APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
11-12APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
15,17-19APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
16,19APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Ictaluridae larvae			Lepistosteus larvae			Ameiurus catus larvae		
	N	MEAN	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event									
22-24APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00	0.00	0.00
25-26APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00	0.00	0.00
29-30APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00	0.00	0.00
02-03MAY	24.00	0.00	0.00	24.00	0.00	0.00	24.00	0.00	0.00
07-08MAY	70.00	0.00	0.00	70.00	0.00	0.00	70.00	0.00	0.00
10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	0.00
13-14MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00	0.00	0.00
17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	0.00
20-22MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00	0.00	0.00
24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	0.00
28-29MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00	0.00	0.00
31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	0.00
03JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00	0.00	0.00
06JUN	24.00	0.00	0.00	24.00	0.96	3.27	24.00	0.00	0.00
10-11JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00	0.00	0.00
13-14JUN	24.00	0.00	0.00	24.00	2.72	5.86	24.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Strongylura marina larvae			Ameiurus platycephalus larvae			Alosa aestivalis larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
02-03APR	0.00	0.00	88.00	0.00	0.00	88.00	0.00
05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
08-10APR	0.00	0.00	96.00	0.00	0.00	96.00	0.14
11-12APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
15,17-19APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
16,19APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
22-24APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
25-26APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
29-30APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
02-03MAY	0.00	0.00	24.00	0.00	0.00	24.00	0.00
07-08MAY	0.00	0.00	70.00	0.00	0.00	70.00	0.00
10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
13-14MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
20-22MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Strongylura marina larvae			Ameiurus platycephalus larvae			Alosa aestivalis larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
03JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
06JUN	0.00	0.00	24.00	1.05	3.57	24.00	0.00
10-11JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
13-14JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Alosa aestivalis larvae		Alosa mediocris eggs		
	STD	N	MEAN	STD	N
Sampling Event					
28-29MAR	0.00	24.00	0.00	0.00	24.00
02-03APR	0.00	88.00	0.00	0.00	88.00
05APR	0.00	12.00	0.00	0.00	12.00
08-10APR	1.39	96.00	0.00	0.00	96.00
11-12APR	0.00	24.00	0.00	0.00	24.00
15,17-19APR	0.00	96.00	0.00	0.00	96.00
16,19APR	0.00	24.00	0.00	0.00	24.00
22-24APR	0.00	96.00	0.00	0.00	96.00
25-26APR	0.00	24.00	0.00	0.00	24.00
29-30APR	0.00	96.00	0.00	0.00	96.00
02-03MAY	0.00	24.00	0.00	0.00	24.00
07-08MAY	0.00	70.00	0.00	0.00	70.00
10MAY	0.00	12.00	0.00	0.00	12.00
13-14MAY	0.00	96.00	0.00	0.00	96.00
17MAY	0.00	12.00	0.00	0.00	12.00
20-22MAY	0.00	96.00	0.00	0.00	96.00
24MAY	0.00	12.00	0.00	0.00	12.00
28-29MAY	0.00	96.00	0.00	0.00	96.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 1

TABLE 5	Alosa aestivalis larvae		Alosa mediocris eggs		
	STD	N	MEAN	STD	N
Sampling Event					
31MAY	0.00	12.00	0.00	0.00	12.00
03JUN	0.00	24.00	0.00	0.00	24.00
06JUN	0.00	24.00	0.00	0.00	24.00
10-11JUN	0.00	24.00	0.00	0.00	24.00
13-14JUN	0.00	24.00	0.00	0.00	24.00

Transect 2

TABLE 5	Alosa sapidissima egg			Alosa sapidissima protolarvae			Alosa sapidissima mesolarvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	13.58	15.94	20.00	0.00	0.00	20.00	0.00
02-03APR	24.37	29.21	90.00	0.00	0.00	90.00	0.00
05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
08-10APR	111.16	113.25	88.00	0.00	0.00	88.00	0.00
11-12APR	4.27	6.58	24.00	0.00	0.00	24.00	0.00
15,17-19APR	12.59	17.48	96.00	0.00	0.00	96.00	0.00
16,19APR	34.50	29.80	24.00	0.00	0.00	24.00	0.00

Densities of all species by transect over all
Locations and sectors on each sampling event

(CONTINUED)

Transect 2

TABLE 5	Alosa sapidissima egg			Alosa sapidissima protolarvae			Alosa sapidissima mesolarvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
22-24APR	93.05	102.81	96.00	0.00	0.00	96.00	0.00
25-26APR	193.31	196.82	24.00	0.00	0.00	24.00	0.00
29-30APR	65.09	67.23	96.00	0.80	3.11	96.00	0.00
02-03MAY	55.72	54.85	24.00	0.32	1.57	24.00	0.00
07-08MAY	4.68	6.24	64.00	0.21	1.69	64.00	0.00
10MAY	5.76	7.75	12.00	0.68	2.37	12.00	0.00
13-14MAY	60.73	76.25	96.00	0.37	2.07	96.00	0.26
17MAY	8.72	11.47	12.00	0.00	0.00	12.00	0.00
20-22MAY	26.51	26.91	96.00	0.54	2.59	96.00	0.14
24MAY	13.47	9.96	12.00	0.89	3.07	12.00	0.00
28-29MAY	8.55	12.51	96.00	0.80	3.74	96.00	0.00
31MAY	5.89	9.45	12.00	1.10	3.83	12.00	0.00
03JUN	16.78	22.42	24.00	0.00	0.00	24.00	0.00
06JUN	28.64	38.52	24.00	0.00	0.00	24.00	0.00
10-11JUN	13.70	19.53	22.00	0.00	0.00	22.00	0.00
13-14JUN	7.55	10.34	20.00	0.00	0.00	20.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Alosa sapidissima mesolarvae		Alosa sapidissima metalarvae			Morone saxatilis eggs	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
28-29MAR	0.00	20.00	0.00	0.00	20.00	0.00	0.00
02-03APR	0.00	90.00	0.00	0.00	90.00	0.00	0.00
05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
08-10APR	0.00	88.00	0.00	0.00	88.00	19.44	45.71
11-12APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
15,17-19APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
16,19APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
22-24APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
25-26APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
29-30APR	0.00	96.00	0.00	0.00	96.00	7.80	20.31
02-03MAY	0.00	24.00	0.00	0.00	24.00	0.00	0.00
07-08MAY	0.00	64.00	0.00	0.00	64.00	0.00	0.00
10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
13-14MAY	1.78	96.00	0.00	0.00	96.00	12.03	36.61
17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
20-22MAY	1.41	96.00	0.00	0.00	96.00	0.00	0.00
24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
28-29MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Alosa sapidissima mesolarvae		Alosa sapidissima metalarvae			Morone saxatilis eggs	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
03JUN	0.00	24.00	0.00	0.00	24.00	43.89	73.30
06JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
10-11JUN	0.00	22.00	0.00	0.00	22.00	0.00	0.00
13-14JUN	0.00	20.00	0.00	0.00	20.00	0.00	0.00

(CONTINUED)

TABLE 5	Morone saxatilis eggs	Morone saxatilis protolarvae			Morone saxatilis mesolarvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAR	20.00	0.00	0.00	20.00	0.00	0.00	20.00
02-03APR	90.00	0.00	0.00	90.00	0.00	0.00	90.00
05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
08-10APR	88.00	0.00	0.00	88.00	0.00	0.00	88.00
11-12APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
15,17-19APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Morone saxatilis eggs	Morone saxatilis protolarvae			Morone saxatilis mesolarvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
16,19APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
22-24APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
25-26APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
29-30APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
02-03MAY	24.00	0.00	0.00	24.00	0.00	0.00	24.00
07-08MAY	64.00	0.00	0.00	64.00	0.00	0.00	64.00
10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
13-14MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
20-22MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
28-29MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
03JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
06JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
10-11JUN	22.00	0.00	0.00	22.00	0.00	0.00	22.00
13-14JUN	20.00	0.00	0.00	20.00	0.00	0.00	20.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Morone saxatilis metalarvae			Cyprinidae eggs			Cyprinidae larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	0.00	0.00	20.00	0.00	0.00	20.00	0.00
02-03APR	0.00	0.00	90.00	0.00	0.00	90.00	12.54
05APR	0.00	0.00	12.00	0.00	0.00	12.00	6.21
08-10APR	0.00	0.00	88.00	0.00	0.00	88.00	11.64
11-12APR	0.00	0.00	24.00	0.00	0.00	24.00	0.54
15,17-19APR	0.00	0.00	96.00	0.00	0.00	96.00	6.17
16,19APR	0.00	0.00	24.00	0.00	0.00	24.00	0.91
22-24APR	0.00	0.00	96.00	0.24	1.63	96.00	20.80
25-26APR	0.00	0.00	24.00	0.00	0.00	24.00	4.87
29-30APR	0.00	0.00	96.00	0.00	0.00	96.00	22.44
02-03MAY	0.00	0.00	24.00	0.00	0.00	24.00	12.60
07-08MAY	0.00	0.00	64.00	0.00	0.00	64.00	3.01
10MAY	0.00	0.00	12.00	1.37	4.74	12.00	3.21
13-14MAY	0.00	0.00	96.00	0.00	0.00	96.00	17.52
17MAY	0.00	0.00	12.00	0.00	0.00	12.00	2.45
20-22MAY	0.00	0.00	96.00	0.00	0.00	96.00	2.08
24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
28-29MAY	0.00	0.00	96.00	0.11	1.07	96.00	0.92

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Morone saxatilis metalarvae			Cyprinidae eggs			Cyprinidae larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.92
03JUN	0.00	0.00	24.00	0.00	0.00	24.00	2.36
06JUN	0.00	0.00	24.00	0.00	0.00	24.00	17.46
10-11JUN	0.00	0.00	22.00	0.00	0.00	22.00	9.02
13-14JUN	0.00	0.00	20.00	0.00	0.00	20.00	2.30

(CONTINUED)

TABLE 5	Cyprinidae larvae		Ninytrema melanops larvae			Unknown eggs	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
28-29MAR	0.00	20.00	1.88	4.63	20.00	6.15	8.40
02-03APR	20.63	90.00	1.61	4.06	90.00	8.37	15.48
05APR	9.04	12.00	1.25	4.35	12.00	1.75	4.18
08-10APR	21.96	88.00	12.25	28.64	88.00	18.13	24.49
11-12APR	2.64	24.00	5.93	8.76	24.00	9.40	12.12
15,17-19APR	10.31	96.00	8.58	14.54	96.00	7.49	14.51
16,19APR	4.45	24.00	5.39	7.22	24.00	6.01	8.91

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Cyprinidae larvae		Minytrema melanops larvae			Unknown eggs	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
22-24APR	36.94	96.00	17.94	43.96	96.00	18.26	31.06
25-26APR	8.53	24.00	10.09	13.30	24.00	63.91	58.24
29-30APR	52.37	96.00	25.32	104.44	96.00	30.97	33.23
02-03MAY	14.85	24.00	1.74	4.06	24.00	9.61	9.45
07-08MAY	6.60	64.00	0.20	1.58	64.00	2.32	5.58
10MAY	4.81	12.00	0.74	2.56	12.00	4.82	6.41
13-14MAY	73.39	96.00	1.92	5.41	96.00	8.65	11.22
17MAY	5.74	12.00	2.03	4.74	12.00	4.00	6.08
20-22MAY	5.09	96.00	0.23	1.62	96.00	3.78	7.02
24MAY	0.00	12.00	0.87	3.01	12.00	5.50	7.28
28-29MAY	3.14	96.00	0.59	2.53	96.00	4.83	9.61
31MAY	3.20	12.00	0.99	3.44	12.00	0.00	0.00
03JUN	4.77	24.00	2.33	4.65	24.00	5.40	20.29
06JUN	31.18	24.00	5.60	10.88	24.00	0.00	0.00
10-11JUN	15.87	22.00	1.24	4.03	22.00	2.11	7.30
13-14JUN	6.37	20.00	0.00	0.00	20.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Unknown eggs	Carpiodes velifer eggs			Carpiodes velifer larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAR	20.00	0.00	0.00	20.00	0.00	0.00	20.00
02-03APR	90.00	0.00	0.00	90.00	0.00	0.00	90.00
05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
08-10APR	88.00	0.00	0.00	88.00	0.59	2.74	88.00
11-12APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
15,17-19APR	96.00	0.00	0.00	96.00	1.27	3.68	96.00
16,19APR	24.00	0.00	0.00	24.00	0.47	2.32	24.00
22-24APR	96.00	0.00	0.00	96.00	3.12	8.09	96.00
25-26APR	24.00	0.00	0.00	24.00	1.57	4.44	24.00
29-30APR	96.00	0.00	0.00	96.00	8.14	12.77	96.00
02-03MAY	24.00	0.00	0.00	24.00	6.51	9.68	24.00
07-08MAY	64.00	0.00	0.00	64.00	2.13	4.90	64.00
10MAY	12.00	0.00	0.00	12.00	0.98	3.39	12.00
13-14MAY	96.00	0.00	0.00	96.00	3.28	7.13	96.00
17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
20-22MAY	96.00	0.00	0.00	96.00	0.86	2.90	96.00
24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
28-29MAY	96.00	0.00	0.00	96.00	1.77	7.43	96.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Unknown eggs			Carpiodes velifer eggs			Carpiodes velifer larvae		
	N	MEAN	STD	N	MEAN	STD	N		
Sampling Event									
31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00		
03JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00		
06JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00		
10-11JUN	22.00	0.00	0.00	22.00	2.23	4.86	22.00		
13-14JUN	20.00	0.00	0.00	20.00	0.63	2.80	20.00		

(CONTINUED)

TABLE 5	Cyprinus carpio larvae			Lepomis sp. larvae			Pomoxis sp. larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	0.00	0.00	20.00	0.00	0.00	20.00	0.00
02-03APR	0.00	0.00	90.00	0.00	0.00	90.00	0.38
05APR	0.00	0.00	12.00	0.00	0.00	12.00	6.05
08-10APR	0.73	3.00	88.00	0.69	2.87	88.00	16.99
11-12APR	0.00	0.00	24.00	0.00	0.00	24.00	0.93
15,17-19APR	0.17	1.18	96.00	0.19	1.35	96.00	0.10
16,19APR	0.00	0.00	24.00	0.00	0.00	24.00	0.59

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Cyprinus carpio larvae			Lepomis sp. larvae			Pomoxis sp. larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
22-24APR	0.00	0.00	96.00	1.03	7.74	96.00	0.83
25-26APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
29-30APR	0.11	1.07	96.00	0.86	3.47	96.00	0.09
02-03MAY	0.93	3.18	24.00	0.00	0.00	24.00	0.00
07-08MAY	3.91	6.48	64.00	5.85	9.34	64.00	0.55
10MAY	10.11	11.31	12.00	4.28	7.38	12.00	0.00
13-14MAY	6.55	15.74	96.00	4.74	14.22	96.00	0.25
17MAY	1.07	3.69	12.00	1.10	3.80	12.00	0.00
20-22MAY	5.11	9.54	96.00	0.84	3.28	96.00	0.00
24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
28-29MAY	1.42	7.29	96.00	1.20	5.06	96.00	0.00
31MAY	0.00	0.00	12.00	1.12	3.87	12.00	0.00
03JUN	2.36	4.76	24.00	0.59	2.89	24.00	0.00
06JUN	0.00	0.00	24.00	32.71	44.32	24.00	0.00
10-11JUN	0.00	0.00	22.00	0.58	2.70	22.00	0.00
13-14JUN	0.00	0.00	20.00	0.00	0.00	20.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Pomoxis sp. larvae		Perca flavescens larvae			Notimegonus crysoleucas larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
28-29MAR	0.00	20.00	0.52	2.32	20.00	0.00	0.00
02-03APR	2.71	90.00	1.67	4.27	90.00	0.07	0.64
05APR	12.99	12.00	0.00	0.00	12.00	0.00	0.00
08-10APR	60.38	88.00	0.69	2.85	88.00	0.26	1.76
11-12APR	3.14	24.00	0.53	2.61	24.00	0.00	0.00
15,17-19APR	0.95	96.00	0.09	0.87	96.00	0.00	0.00
16,19APR	2.90	24.00	0.43	2.09	24.00	0.94	3.29
22-24APR	3.73	96.00	0.27	1.90	96.00	0.26	1.85
25-26APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
29-30APR	0.90	96.00	0.00	0.00	96.00	0.25	1.71
02-03MAY	0.00	24.00	0.00	0.00	24.00	0.00	0.00
07-08MAY	2.52	64.00	1.28	4.15	64.00	0.38	2.15
10MAY	0.00	12.00	0.00	0.00	12.00	0.68	2.37
13-14MAY	1.79	96.00	0.00	0.00	96.00	1.18	5.08
17MAY	0.00	12.00	0.00	0.00	12.00	0.87	3.02
20-22MAY	0.00	96.00	0.00	0.00	96.00	1.22	4.78
24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
28-29MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Pomoxis sp. larvae		Perca flavescens larvae			Notimegonus crysoleucas larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
03JUN	0.00	24.00	0.00	0.00	24.00	0.48	2.33
06JUN	0.00	24.00	0.00	0.00	24.00	1.57	4.24
10-11JUN	0.00	22.00	0.00	0.00	22.00	0.00	0.00
13-14JUN	0.00	20.00	0.00	0.00	20.00	0.00	0.00

(CONTINUED)

TABLE 5	Notimegonus crysoleucas larvae	Percidae eggs			Percidae larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAR	20.00	0.00	0.00	20.00	0.00	0.00	20.00
02-03APR	90.00	0.00	0.00	90.00	0.00	0.00	90.00
05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
08-10APR	88.00	0.76	3.61	88.00	0.00	0.00	88.00
11-12APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
15,17-19APR	96.00	0.17	1.18	96.00	0.00	0.00	96.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Notimegonus crysoleucas larvae	Percidae eggs			Percidae larvae			
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
16,19APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
22-24APR	96.00	0.57	2.76	96.00	0.10	0.97	96.00
25-26APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
29-30APR	96.00	0.82	3.96	96.00	0.00	0.00	96.00
02-03MAY	24.00	0.47	2.31	24.00	0.00	0.00	24.00
07-08MAY	64.00	0.20	1.59	64.00	0.21	1.68	64.00
10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
13-14MAY	96.00	3.86	8.51	96.00	0.14	1.33	96.00
17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
20-22MAY	96.00	0.13	1.31	96.00	0.37	2.09	96.00
24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
28-29MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
03JUN	24.00	24.96	46.39	24.00	0.84	2.88	24.00
06JUN	24.00	0.52	2.53	24.00	0.00	0.00	24.00
10-11JUN	22.00	0.00	0.00	22.00	0.00	0.00	22.00
13-14JUN	20.00	0.00	0.00	20.00	0.48	2.16	20.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Dorosoma cepedianum larvae			Pomoxis nigromaculatus larvae			Elassoma zonatum larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	0.00	0.00	20.00	0.00	0.00	20.00	0.00
02-03APR	0.00	0.00	90.00	0.00	0.00	90.00	0.00
05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
08-10APR	0.17	1.59	88.00	1.67	8.88	88.00	0.47
11-12APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
15,17-19APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
16,19APR	0.00	0.00	24.00	0.22	1.10	24.00	0.34
22-24APR	0.16	1.60	96.00	0.00	0.00	96.00	0.38
25-26APR	0.00	0.00	24.00	0.41	2.03	24.00	0.00
29-30APR	0.00	0.00	96.00	0.13	1.27	96.00	0.12
02-03MAY	0.56	2.75	24.00	0.00	0.00	24.00	0.00
07-08MAY	2.63	6.94	64.00	0.45	2.08	64.00	0.00
10MAY	1.91	4.47	12.00	0.00	0.00	12.00	0.00
13-14MAY	0.85	3.79	96.00	0.00	0.00	96.00	0.00
17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
20-22MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Dorosoma cepedianum larvae			Pomoxis nigromaculatus larvae			Elassoma zonatum larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
03JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
06JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
10-11JUN	0.00	0.00	22.00	0.00	0.00	22.00	0.54
13-14JUN	0.00	0.00	20.00	0.00	0.00	20.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Elassoma zonatum larvae		Aphredoderus sayanus larvae			Unidentified/damaged larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
28-29MAR	0.00	20.00	0.00	0.00	20.00	0.00	0.00
02-03APR	0.00	90.00	0.00	0.00	90.00	0.19	1.76
05APR	0.00	12.00	0.00	0.00	12.00	1.07	3.71
08-10APR	2.53	88.00	0.84	4.34	88.00	1.52	7.59
11-12APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
15,17-19APR	0.00	96.00	0.12	1.18	96.00	0.09	0.88
16,19APR	1.68	24.00	0.41	2.02	24.00	0.00	0.00
22-24APR	2.19	96.00	0.54	2.66	96.00	0.30	2.08
25-26APR	0.00	24.00	0.41	2.03	24.00	0.00	0.00
29-30APR	1.21	96.00	0.33	1.86	96.00	0.00	0.00
02-03MAY	0.00	24.00	0.00	0.00	24.00	0.44	2.17
07-08MAY	0.00	64.00	0.00	0.00	64.00	0.15	1.22
10MAY	0.00	12.00	0.00	0.00	12.00	0.96	3.34
13-14MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
20-22MAY	0.00	96.00	0.15	1.45	96.00	0.21	1.48
24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
28-29MAY	0.00	96.00	0.00	0.00	96.00	0.23	1.58

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Elassoma zonatum larvae		Aphredoderus sayanus larvae			Unidentified/damaged larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
03JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
06JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
10-11JUN	2.54	22.00	0.00	0.00	22.00	0.49	2.32
13-14JUN	0.00	20.00	0.00	0.00	20.00	0.00	0.00

(CONTINUED)

TABLE 5	Unidentified/damaged larvae	Centrarchus macropterus larvae			Elassoma sp. larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAR	20.00	0.00	0.00	20.00	0.00	0.00	20.00
02-03APR	90.00	0.00	0.00	90.00	0.00	0.00	90.00
05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
08-10APR	88.00	0.00	0.00	88.00	0.75	3.73	88.00
11-12APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
15,17-19APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Unidentified/damaged larvae	Centrarchus macropterus larvae			Elassoma sp. larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
16,19APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
22-24APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
25-26APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
29-30APR	96.00	0.27	1.89	96.00	0.00	0.00	96.00
02-03MAY	24.00	0.00	0.00	24.00	0.00	0.00	24.00
07-08MAY	64.00	0.00	0.00	64.00	0.00	0.00	64.00
10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
13-14MAY	96.00	0.53	3.18	96.00	0.12	1.15	96.00
17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
20-22MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
28-29MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
03JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
06JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
10-11JUN	22.00	0.00	0.00	22.00	0.00	0.00	22.00
13-14JUN	20.00	0.00	0.00	20.00	0.00	0.00	20.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Alosa mediocris larvae			Micropterus salmoides larvae			Clupeidae larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	0.00	0.00	20.00	0.00	0.00	20.00	0.00
02-03APR	0.00	0.00	90.00	0.00	0.00	90.00	0.00
05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
08-10APR	0.00	0.00	88.00	0.00	0.00	88.00	0.00
11-12APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
15,17-19APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
16,19APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
22-24APR	0.00	0.00	96.00	0.00	0.00	96.00	0.16
25-26APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
29-30APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
02-03MAY	0.00	0.00	24.00	0.00	0.00	24.00	0.00
07-08MAY	0.00	0.00	64.00	0.19	1.53	64.00	0.00
10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
13-14MAY	0.23	1.60	96.00	0.20	1.39	96.00	0.00
17MAY	0.00	0.00	12.00	1.10	3.80	12.00	0.00
20-22MAY	0.12	1.22	96.00	0.00	0.00	96.00	0.00
24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
28-29MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Alosa mediocris larvae			Micropterus salmoides larvae			Clupeidae larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
03JUN	0.59	2.89	24.00	0.00	0.00	24.00	0.00
06JUN	0.00	0.00	24.00	7.28	11.72	24.00	0.00
10-11JUN	0.00	0.00	22.00	0.60	2.79	22.00	0.00
13-14JUN	0.00	0.00	20.00	0.00	0.00	20.00	0.00

(CONTINUED)

TABLE 5	Clupeidae larvae		Acipenser sp. larvae			Labidesthes sicculus larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
28-29MAR	0.00	20.00	0.00	0.00	20.00	0.00	0.00
02-03APR	0.00	90.00	0.18	1.67	90.00	0.00	0.00
05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
08-10APR	0.00	88.00	0.00	0.00	88.00	0.00	0.00
11-12APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
15,17-19APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
16,19APR	0.00	24.00	0.43	2.11	24.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Clupeidae larvae		Acipenser sp. larvae			Labidesthes sicculus larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
22-24APR	1.56	96.00	0.00	0.00	96.00	0.00	0.00
25-26APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
29-30APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
02-03MAY	0.00	24.00	0.00	0.00	24.00	0.00	0.00
07-08MAY	0.00	64.00	0.00	0.00	64.00	0.00	0.00
10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
13-14MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
20-22MAY	0.00	96.00	0.00	0.00	96.00	0.14	1.40
24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
28-29MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
03JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
06JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
10-11JUN	0.00	22.00	0.00	0.00	22.00	0.00	0.00
13-14JUN	0.00	20.00	0.00	0.00	20.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Labidesthes sicculus larvae	Ictalurus punctatus larvae			Cyprinella (Notropis) nivea larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAR	20.00	0.00	0.00	20.00	0.00	0.00	20.00
02-03APR	90.00	0.00	0.00	90.00	0.00	0.00	90.00
05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
08-10APR	88.00	0.00	0.00	88.00	0.00	0.00	88.00
11-12APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
15,17-19APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
16,19APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
22-24APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
25-26APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
29-30APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
02-03MAY	24.00	0.00	0.00	24.00	0.00	0.00	24.00
07-08MAY	64.00	0.00	0.00	64.00	0.00	0.00	64.00
10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
13-14MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
20-22MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Labidesthes sicculus larvae	Ictalurus punctatus larvae			Cyprinella (Notropis) nivea larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
03JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
06JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
10-11JUN	22.00	0.00	0.00	22.00	0.00	0.00	22.00
13-14JUN	20.00	0.00	0.00	20.00	0.00	0.00	20.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Amia calva larvae			Esox sp. larvae			Erimyzon sp. larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	0.00	0.00	20.00	0.00	0.00	20.00	0.00
02-03APR	0.00	0.00	90.00	0.11	1.03	90.00	0.00
05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
08-10APR	0.00	0.00	88.00	0.00	0.00	88.00	0.00
11-12APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
15,17-19APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
16,19APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
22-24APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
25-26APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
29-30APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
02-03MAY	0.00	0.00	24.00	0.00	0.00	24.00	0.00
07-08MAY	0.00	0.00	64.00	0.00	0.00	64.00	0.00
10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
13-14MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
20-22MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
28-29MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Amia calva larvae			Esox sp. larvae			Erimyzon sp. larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
03JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
06JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
10-11JUN	0.00	0.00	22.00	0.00	0.00	22.00	0.00
13-14JUN	0.00	0.00	20.00	0.00	0.00	20.00	0.00

(CONTINUED)

TABLE 5	Erimyzon sp. larvae		Centrarchidae larvae			Chologaster cornuta larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
28-29MAR	0.00	20.00	0.00	0.00	20.00	0.00	0.00
02-03APR	0.00	90.00	0.00	0.00	90.00	0.00	0.00
05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
08-10APR	0.00	88.00	0.25	2.33	88.00	0.00	0.00
11-12APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
15,17-19APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
16,19APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 5	Erimyzon sp. larvae		Centrarchidae larvae			Chologaster cornuta larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
22-24APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
25-26APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
29-30APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
02-03MAY	0.00	24.00	0.00	0.00	24.00	0.00	0.00
07-08MAY	0.00	64.00	0.20	1.61	64.00	0.00	0.00
10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
13-14MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
20-22MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
28-29MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
03JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
06JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
10-11JUN	0.00	22.00	0.00	0.00	22.00	0.00	0.00
13-14JUN	0.00	20.00	0.00	0.00	20.00	0.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Chologaster cornuta larvae	Lepomis macrochirus larvae			Dorosoma sp. larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAR	20.00	0.00	0.00	20.00	0.00	0.00	20.00
02-03APR	90.00	0.00	0.00	90.00	0.00	0.00	90.00
05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
08-10APR	88.00	0.00	0.00	88.00	0.00	0.00	88.00
11-12APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
15,17-19APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
16,19APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
22-24APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
25-26APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
29-30APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
02-03MAY	24.00	0.00	0.00	24.00	0.00	0.00	24.00
07-08MAY	64.00	0.00	0.00	64.00	0.00	0.00	64.00
10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
13-14MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
20-22MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Chologaster cornuta larvae	Lepomis macrochirus larvae			Dorosoma sp. larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
03JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
06JUN	24.00	0.00	0.00	24.00	0.00	0.00	24.00
10-11JUN	22.00	0.00	0.00	22.00	0.00	0.00	22.00
13-14JUN	20.00	0.00	0.00	20.00	0.00	0.00	20.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Etheostoma olmstedi larvae			Lepomis auritus larvae			Notropis pettersoni larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	0.00	0.00	20.00	0.00	0.00	20.00	0.00
02-03APR	0.00	0.00	90.00	0.00	0.00	90.00	0.00
05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
08-10APR	0.14	1.33	88.00	0.15	1.43	88.00	0.00
11-12APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
15,17-19APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
16,19APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
22-24APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
25-26APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
29-30APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
02-03MAY	0.00	0.00	24.00	0.00	0.00	24.00	0.00
07-08MAY	0.00	0.00	64.00	0.00	0.00	64.00	0.00
10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
13-14MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
20-22MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Etheostoma olmstedi larvae			Lepomis auritus larvae			Notropis pettersoni larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
03JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
06JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
10-11JUN	0.00	0.00	22.00	0.00	0.00	22.00	0.00
13-14JUN	0.00	0.00	20.00	0.00	0.00	20.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Notropis pattersoni larvae		Umbra pygmaea larvae			Ictaluridae larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
28-29MAR	0.00	20.00	0.00	0.00	20.00	0.00	0.00
02-03APR	0.00	90.00	0.00	0.00	90.00	0.00	0.00
05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
08-10APR	0.00	88.00	0.00	0.00	88.00	0.00	0.00
11-12APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
15,17-19APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
16,19APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
22-24APR	0.00	96.00	0.15	1.51	96.00	0.00	0.00
25-26APR	0.00	24.00	0.00	0.00	24.00	0.00	0.00
29-30APR	0.00	96.00	0.00	0.00	96.00	0.00	0.00
02-03MAY	0.00	24.00	0.00	0.00	24.00	0.00	0.00
07-08MAY	0.00	64.00	0.00	0.00	64.00	0.00	0.00
10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
13-14MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
20-22MAY	0.00	96.00	0.00	0.00	96.00	0.00	0.00
24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
28-29MAY	0.00	96.00	0.00	0.00	96.00	0.12	1.15

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Notropis pattersoni larvae		Umbra pygmaea larvae			Ictaluridae larvae	
	STD	N	MEAN	STD	N	MEAN	STD
Sampling Event							
31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
03JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
06JUN	0.00	24.00	0.00	0.00	24.00	0.00	0.00
10-11JUN	0.00	22.00	0.00	0.00	22.00	0.00	0.00
13-14JUN	0.00	20.00	0.00	0.00	20.00	0.00	0.00

(CONTINUED)

TABLE 5	Ictaluridae larvae	Lepistosteus larvae			Amiurus catus larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
28-29MAR	20.00	0.00	0.00	20.00	0.00	0.00	20.00
02-03APR	90.00	0.00	0.00	90.00	0.00	0.00	90.00
05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
08-10APR	88.00	0.00	0.00	88.00	0.00	0.00	88.00
11-12APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
15,17-19APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
16,19APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

TABLE 3	Ictaluridae larvae	Lepistosteus larvae			Amaiurus catus larvae		
	N	MEAN	STD	N	MEAN	STD	N
Sampling Event							
22-24APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
25-26APR	24.00	0.00	0.00	24.00	0.00	0.00	24.00
29-30APR	96.00	0.00	0.00	96.00	0.00	0.00	96.00
02-03MAY	24.00	0.00	0.00	24.00	0.00	0.00	24.00
07-08MAY	64.00	0.00	0.00	64.00	0.00	0.00	64.00
10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
13-14MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
20-22MAY	96.00	0.00	0.00	96.00	0.00	0.00	96.00
24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
28-29MAY	96.00	0.11	1.05	96.00	0.00	0.00	96.00
31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
03JUN	24.00	0.00	0.00	24.00	0.45	2.22	24.00
06JUN	24.00	0.00	0.00	24.00	0.50	2.46	24.00
10-11JUN	22.00	0.00	0.00	22.00	0.00	0.00	22.00
13-14JUN	20.00	0.00	0.00	20.00	0.00	0.00	20.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Strongylura marina larvae			Amsiurus platycephalus larvae			Alosa aestivalis larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAR	0.00	0.00	20.00	0.00	0.00	20.00	0.00
02-03APR	0.00	0.00	90.00	0.00	0.00	90.00	0.00
05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
08-10APR	0.00	0.00	88.00	0.00	0.00	88.00	0.00
11-12APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
15,17-19APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
16,19APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
22-24APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
25-26APR	0.00	0.00	24.00	0.00	0.00	24.00	0.00
29-30APR	0.00	0.00	96.00	0.00	0.00	96.00	0.00
02-03MAY	0.00	0.00	24.00	0.00	0.00	24.00	0.00
07-08MAY	0.00	0.00	64.00	0.00	0.00	64.00	0.00
10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
13-14MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
20-22MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Strongylura marina larvae			Ameiurus platycephalus larvae			Alosa aestivalis larvae
	MEAN	STD	N	MEAN	STD	N	MEAN
Sampling Event							
28-29MAY	0.00	0.00	96.00	0.00	0.00	96.00	0.00
31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
03JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.00
06JUN	0.00	0.00	24.00	0.00	0.00	24.00	0.83
10-11JUN	0.00	0.00	22.00	0.00	0.00	22.00	0.00
13-14JUN	0.70	3.13	20.00	0.00	0.00	20.00	0.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Alosa aestivalis larvae		Alosa mediocris eggs		
	STD	N	MEAN	STD	N
Sampling Event					
28-29MAR	0.00	20.00	0.00	0.00	20.00
02-03APR	0.00	90.00	0.00	0.00	90.00
05APR	0.00	12.00	0.00	0.00	12.00
08-10APR	0.00	88.00	0.00	0.00	88.00
11-12APR	0.00	24.00	0.00	0.00	24.00
15,17-19APR	0.00	96.00	0.00	0.00	96.00
16,19APR	0.00	24.00	0.00	0.00	24.00
22-24APR	0.00	96.00	0.00	0.00	96.00
25-26APR	0.00	24.00	0.00	0.00	24.00
29-30APR	0.00	96.00	0.00	0.00	96.00
02-03MAY	0.00	24.00	0.00	0.00	24.00
07-08MAY	0.00	64.00	0.00	0.00	64.00
10MAY	0.00	12.00	0.00	0.00	12.00
13-14MAY	0.00	96.00	0.00	0.00	96.00
17MAY	0.00	12.00	0.00	0.00	12.00
20-22MAY	0.00	96.00	0.00	0.00	96.00
24MAY	0.00	12.00	0.00	0.00	12.00
28-29MAY	0.00	96.00	0.00	0.00	96.00

(CONTINUED)

Densities of all species by transect over all
Locations and sectors on each sampling event

Transect 2

TABLE 5	Alosa aestivalis larvae		Alosa mediocris eggs		
	STD	N	MEAN	STD	N
Sampling Event					
31MAY	0.00	12.00	0.00	0.00	12.00
03JUN	0.00	24.00	0.00	0.00	24.00
06JUN	2.80	24.00	0.53	2.58	24.00
10-11JUN	0.00	22.00	0.00	0.00	22.00
13-14JUN	0.00	20.00	0.00	0.00	20.00

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Alosa sapidissima egg			Alosa sapidissima protolarvae			Alosa sapidissima mesolarvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	5.85	9.34	12.00	0.00	0.00	12.00	0.00
	05APR	0.76	2.63	12.00	0.00	0.00	12.00	0.00
	11-12APR	3.13	7.80	12.00	0.00	0.00	12.00	0.00
	16,19APR	21.08	14.82	12.00	0.00	0.00	12.00	0.00
	25-26APR	33.56	32.45	12.00	0.00	0.00	12.00	0.00
	02-03MAY	44.34	18.95	12.00	0.00	0.00	12.00	0.00
	10MAY	3.97	7.38	12.00	0.00	0.00	12.00	0.00
	17MAY	4.77	9.45	12.00	0.00	0.00	12.00	0.00
	24MAY	10.29	22.14	12.00	0.99	3.43	12.00	0.00
	31MAY	6.54	7.34	12.00	0.00	0.00	12.00	0.00
	03JUN	4.50	7.11	12.00	0.00	0.00	12.00	0.89
	06JUN	3.76	5.61	12.00	0.85	2.94	12.00	0.00
	10-11JUN	3.08	7.60	12.00	0.79	2.75	12.00	0.00
	13-14JUN	10.95	18.99	12.00	0.00	0.00	12.00	0.00
Night	28-29MAR	45.00	34.47	12.00	0.00	0.00	12.00	0.00
	11-12APR	24.48	20.75	12.00	0.00	0.00	12.00	0.00
	16,19APR	38.93	33.55	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Alosa sapidissima egg			Alosa sapidissima protolarvae			Alosa sapidissima mesolarvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Night	25-26APR	212.65	119.35	12.00	0.00	0.00	12.00	0.00
	02-03MAY	28.78	22.90	12.00	0.84	2.92	12.00	0.00
	03JUN	0.97	3.35	12.00	2.73	6.66	12.00	0.00
	06JUN	41.84	48.60	12.00	0.00	0.00	12.00	0.00
	10-11JUN	12.63	14.25	12.00	0.00	0.00	12.00	0.00
	13-14JUN	1.11	3.86	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Alosa sapidissima mesolarvae		Alosa sapidissima metalarvae			Morone saxatilis eggs	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	28-29MAR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	1.14	3.95
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	3.08	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
Night	28-29MAR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Alosa sapidissima mesolarvae		Alosa sapidissima metalarvae			Morone saxatilis eggs	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Night	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

TABLE 6		Morone saxatilis eggs	Morone saxatilis protolarvae			Morone saxatilis mesolarvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	28-29MAR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Morone saxatilis eggs	Morone saxatilis protolarvae			Morone saxatilis mesolarvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
Night	28-29MAR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by transect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Morone saxatilis metalarvae			Cyprinidae eggs			Cyprinidae larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	05APR	0.00	0.00	12.00	0.00	0.00	12.00	3.58
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	3.47
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	8.20
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	5.12
	10MAY	0.00	0.00	12.00	0.00	0.00	12.00	2.47
	17MAY	0.00	0.00	12.00	0.00	0.00	12.00	1.77
	24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	1.16
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	1.99
	13-14JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
Night	28-29MAR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.92	3.18	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.98	3.38	12.00	4.12
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	1.70

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Morone saxatilis metalarvae			Cyprinidae eggs			Cyprinidae larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Night	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	141.23
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	20.46
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	33.73
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	9.46
	13-14JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

TABLE 6		Cyprinidae larvae		Minytrema melanops larvae			Unknown eggs	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	28-29MAR	0.00	12.00	10.16	13.99	12.00	4.60	10.03
	05APR	6.54	12.00	0.98	3.39	12.00	0.00	0.00
	11-12APR	0.00	12.00	4.83	7.28	12.00	2.52	6.01
	16,19APR	5.13	12.00	3.47	5.19	12.00	0.00	0.00
	25-26APR	11.91	12.00	5.98	8.48	12.00	13.38	9.95
	02-03MAY	6.85	12.00	3.06	4.56	12.00	16.55	9.33
	10MAY	4.51	12.00	1.70	4.04	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Cyprinidae larvae		Minytrema melanops larvae			Unknown eggs	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	17MAY	4.14	12.00	0.89	3.07	12.00	3.87	7.36
	24MAY	0.00	12.00	0.92	3.19	12.00	3.89	5.79
	31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	3.77	5.79	12.00	0.00	0.00
	06JUN	4.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	4.67	12.00	2.09	4.89	12.00	0.00	0.00
	13-14JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
Night	28-29MAR	0.00	12.00	0.00	0.00	12.00	6.92	10.80
	11-12APR	0.00	12.00	4.65	9.70	12.00	0.88	3.04
	16,19APR	6.10	12.00	14.04	22.08	12.00	45.14	102.19
	25-26APR	4.09	12.00	3.86	5.97	12.00	114.11	73.15
	02-03MAY	191.37	12.00	12.60	13.18	12.00	8.36	7.33
	03JUN	26.73	12.00	1.91	6.62	12.00	0.95	3.28
	06JUN	67.28	12.00	10.96	20.36	12.00	0.61	2.12
	10-11JUN	11.08	12.00	2.03	4.80	12.00	0.00	0.00
	13-14JUN	0.00	12.00	1.85	6.39	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Unknown eggs			Carpiodes velifer eggs			Carpiodes velifer larvae		
		N	MEAN	STD	N	MEAN	STD	N		
Time Period	Sampling Event									
Day	28-29MAR	12.00	0.00	0.00	12.00	0.00	0.00	12.00		
	05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00		
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00		
	16,19APR	12.00	0.00	0.00	12.00	1.79	4.17	12.00		
	25-26APR	12.00	0.00	0.00	12.00	4.06	6.03	12.00		
	02-03MAY	12.00	0.00	0.00	12.00	2.94	5.61	12.00		
	10MAY	12.00	0.00	0.00	12.00	1.87	4.45	12.00		
	17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00		
	24MAY	12.00	0.00	0.00	12.00	0.94	3.25	12.00		
	31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00		
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00		
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00		
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00		
	13-14JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00		
Night	28-29MAR	12.00	0.00	0.00	12.00	0.00	0.00	12.00		
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00		
	16,19APR	12.00	0.00	0.00	12.00	1.09	3.76	12.00		
	25-26APR	12.00	0.00	0.00	12.00	2.66	4.93	12.00		

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Unknown eggs			Carpiodes velifer eggs			Carpiodes velifer larvae		
		N	MEAN	STD	N	MEAN	STD	N		
Time Period	Sampling Event									
Night	02-03MAY	12.00	0.00	0.00	12.00	34.96	46.24	12.00		
	03JUN	12.00	0.00	0.00	12.00	4.80	10.34	12.00		
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00		
	10-11JUN	12.00	0.00	0.00	12.00	0.92	3.18	12.00		
	13-14JUN	12.00	0.00	0.00	12.00	0.92	3.20	12.00		

(CONTINUED)

TABLE 6		Cyprinus carpio larvae			Lepomis sp. larvae			Pomoxis sp. larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	05APR	0.00	0.00	12.00	2.20	5.25	12.00	3.66
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	1.53	3.61	12.00	0.00	0.00	12.00	0.00
	10MAY	9.33	10.34	12.00	5.02	5.33	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Cyprinus carpio larvae			Lepomis sp. larvae			Pomoxis sp. larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	17MAY	0.00	0.00	12.00	0.87	3.02	12.00	0.00
	24MAY	0.00	0.00	12.00	0.99	3.43	12.00	0.00
	31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	1.66	3.99	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	5.39	10.52	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-14JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
Night	28-29MAR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.90	3.12	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	15.59	13.25	12.00	22.90	30.51	12.00	0.00
	06JUN	0.00	0.00	12.00	185.04	364.46	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-14JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Pomoxis sp. larvae		Perca flavescens larvae			Notimegonus crysoleucas larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	28-29MAR	0.00	12.00	0.64	2.22	12.00	0.00	0.00
	05APR	7.40	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.70	2.42	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.76	2.63
	10MAY	0.00	12.00	0.00	0.00	12.00	2.31	5.88
	17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
Night	28-29MAR	0.00	12.00	0.78	2.72	12.00	0.00	0.00
	11-12APR	0.00	12.00	1.06	3.69	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Pomoxis sp. larvae		Perca flavescens larvae			Notimegonus crysoleucas larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Night	02-03MAY	0.00	12.00	1.08	3.73	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.94	3.26
	06JUN	0.00	12.00	0.00	0.00	12.00	4.40	8.79
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	12.00	0.00	0.00	12.00	1.13	3.90

(CONTINUED)

TABLE 6		Notimegonus crysoleucas larvae	Percidae eggs			Percidae larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	28-29MAR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.63	2.18	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Notimegonus crysoleucas larvae	Percidae eggs			Percidae larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	6.87	13.37	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
Night	28-29MAR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.80	2.76	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	1.25	4.33	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

ransect 1

TABLE 6		Dorosoma cepedianum larvae			Pomoxis nigromaculatus larvae			Elassoma zonatum larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Night	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	1.05	3.64	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-14JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Dorosoma cepedianum larvae			Pomoxis nigromaculatus larvae			Elassoma zonatum larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-14JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
Night	28-29MAR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	1.18
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Elassoma zonatum larvae		Aphredoderus sayanus larvae			Unidentified/damaged larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Night	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.50	1.72
	03JUN	0.00	12.00	0.00	0.00	12.00	2.04	4.79
	06JUN	0.00	12.00	0.00	0.00	12.00	2.26	7.83
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

TABLE 6		Unidentified/damaged larvae	Centrarchus macropterus larvae			Elassoma sp. larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	28-29MAR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Elassoma zonatum larvae		Aphredoderus sayanus larvae			Unidentified/damaged larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	28-29MAR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
Night	28-29MAR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	4.09	12.00	1.01	3.52	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Alosa mediocris larvae			Micropterus salmoides larvae			Clupeidae larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.99	3.44	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-16JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
Night	28-29MAR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Unidentified/damaged larvae	Centrarchus macropterus larvae			Elassoma sp. larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
Night	28-29MAR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by transect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Clupeidae larvae		Acipenser sp. larvae			Labidesthes sicculus larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
Night	28-29MAR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	1.15	3.99
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Alosa mediocris larvae			Micropterus salmoides larvae			Clupeidae larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Night	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	1.89	4.41	12.00	0.00
	06JUN	0.00	0.00	12.00	59.97	113.67	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-14JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

TABLE 6		Clupeidae larvae		Acipenser sp. larvae			Labidesthes sicculus larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	28-29MAR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

ransect 1

TABLE 6		Labidesthes sicculus larvae	Ictalurus punctatus larvae			Cyprinella (Notropis) nivea larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Night	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.50	1.72	12.00	0.00	0.00	12.00
	03JUN	12.00	0.96	3.31	12.00	0.00	0.00	12.00
	06JUN	12.00	1.94	4.53	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Labidesthes sicculus larvae	Ictalurus punctatus larvae			Cyprinella (Notropis) nivea larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	28-29MAR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
Night	28-29MAR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Amia calva larvae			Esox sp. larvae			Erimyzon sp. larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Night	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-14JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

TABLE 6		Erimyzon sp. larvae		Centrarchidae larvae			Chologaster cornuta larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	28-29MAR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Amia calva larvae			Esox sp. larvae			Erimyzon sp. larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-14JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
Night	28-29MAR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Chologaster cornuta larvae	Lepomis macrochirus larvae			Dorosoma sp. larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	28-29MAR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
Night	28-29MAR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Erimyzon sp. larvae		Centrarchidae larvae			Chologaster cornuta larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
Night	28-29MAR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

ransect 1

TABLE 6		Etheostoma olmstedi larvae			Lepomis auritus larvae			Notropis pettersoni larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-14JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
Night	28-29MAR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Chologaster cornuta larvae	Lepomis macrochirus larvae			Dorosoma sp. larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Night	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Notropis pettersoni larvae		Umbra pygmaea larvae			Ictaluridae larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	28-29MAR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
Night	28-29MAR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Etheostoma olmstedi larvae			Lepomis auritus larvae			Notropis pettersoni larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Night	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-14JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Ictaluridae larvae	Lepistosteus larvae			Ameiurus catus larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
Night	28-29MAR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	1.93	4.51	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	12.00	0.00	0.00	12.00	5.43	7.46	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Notropis pettersoni larvae		Umbra pygmaea larvae			Ictaluridae larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Night	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.95	3.29
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

TABLE 6		Ictaluridae larvae	Lepistosteus larvae			Ameiurus catus larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	28-29MAR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Strongylura marina larvae			Ameiurus platycephalus larvae			Alosa aestivalis larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Night	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	2.10	4.92	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-14JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Strongylura marina larvae			Ameiurus platycephalus larvae			Alosa aestivalis larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-14JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
Night	28-29MAR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Alosa aestivalis larvae			Alosa mediocris eggs		
		STD	N		MEAN	STD	N
Time Period	Sampling Event						
Night	02-03MAY	0.00	12.00		0.00	0.00	12.00
	03JUN	0.00	12.00		0.00	0.00	12.00
	06JUN	0.00	12.00		0.00	0.00	12.00
	10-11JUN	0.00	12.00		0.00	0.00	12.00
	13-14JUN	0.00	12.00		0.00	0.00	12.00

Transect 2

TABLE 6		Alosa sapidissima egg			Alosa sapidissima protolarvae			Alosa sapidissima mesolarvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	11.65	15.85	10.00	0.00	0.00	10.00	0.00
	05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	4.69	7.58	12.00	0.00	0.00	12.00	0.00
	16,19APR	44.82	34.40	12.00	0.00	0.00	12.00	0.00
	25-26APR	38.32	19.92	12.00	0.00	0.00	12.00	0.00
	02-03MAY	57.87	54.37	12.00	0.64	2.22	12.00	0.00
	10MAY	5.76	7.75	12.00	0.68	2.37	12.00	0.00

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 1

TABLE 6		Alosa aestivalis larvae		Alosa mediocris eggs		
		STD	N	MEAN	STD	N
Time Period	Sampling Event					
Day	28-29MAR	0.00	12.00	0.00	0.00	12.00
	05APR	0.00	12.00	0.00	0.00	12.00
	11-12APR	0.00	12.00	0.00	0.00	12.00
	16,19APR	0.00	12.00	0.00	0.00	12.00
	25-26APR	0.00	12.00	0.00	0.00	12.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00
	10MAY	0.00	12.00	0.00	0.00	12.00
	17MAY	0.00	12.00	0.00	0.00	12.00
	24MAY	0.00	12.00	0.00	0.00	12.00
	31MAY	0.00	12.00	0.00	0.00	12.00
	03JUN	0.00	12.00	0.00	0.00	12.00
	06JUN	0.00	12.00	0.00	0.00	12.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00
	13-14JUN	0.00	12.00	0.00	0.00	12.00
Night	28-29MAR	0.00	12.00	0.00	0.00	12.00
	11-12APR	0.00	12.00	0.00	0.00	12.00
	16,19APR	0.00	12.00	0.00	0.00	12.00
	25-26APR	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Alosa sapidissima mesolarvae		Alosa sapidissima metalarvae			Morone saxatilis eggs	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	28-29MAR	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	13-14JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00
Night	28-29MAR	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

(CONTINUED)

Transect 2

TABLE 6		Alosa sapidissima egg			Alosa sapidissima protolarvae			Alosa sapidissima mesolarvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	17MAY	8.72	11.47	12.00	0.00	0.00	12.00	0.00
	24MAY	13.47	9.96	12.00	0.89	3.07	12.00	0.00
	31MAY	5.89	9.45	12.00	1.10	3.83	12.00	0.00
	03JUN	2.87	5.19	12.00	0.00	0.00	12.00	0.00
	06JUN	2.08	4.87	12.00	0.00	0.00	12.00	0.00
	10-11JUN	1.04	3.29	10.00	0.00	0.00	10.00	0.00
	13-14JUN	5.76	8.32	10.00	0.00	0.00	10.00	0.00
Night	28-29MAR	15.52	16.65	10.00	0.00	0.00	10.00	0.00
	11-12APR	3.86	5.72	12.00	0.00	0.00	12.00	0.00
	16,19APR	24.17	21.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	348.29	167.89	12.00	0.00	0.00	12.00	0.00
	02-03MAY	53.58	57.67	12.00	0.00	0.00	12.00	0.00
	03JUN	30.69	24.53	12.00	0.00	0.00	12.00	0.00
	06JUN	55.19	39.25	12.00	0.00	0.00	12.00	0.00
	10-11JUN	24.25	21.27	12.00	0.00	0.00	12.00	0.00
	13-14JUN	9.34	12.23	10.00	0.00	0.00	10.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Morone saxatilis eggs	Morone saxatilis protolarvae			Morone saxatilis mesolarvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	13-14JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00
Night	28-29MAR	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Alosa sapidissima mesolarvae		Alosa sapidissima metalarvae			Morone saxatilis eggs	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Night	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	87.78	83.86
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00

(CONTINUED)

TABLE 6		Morone saxatilis eggs	Morone saxatilis protolarvae			Morone saxatilis mesolarvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	28-29MAR	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

ransect 2

TABLE 6		Morone saxatilis metalarvae			Cyprinidae eggs			Cyprinidae larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Night	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	18.03
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	2.84
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	34.91
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	16.54
	13-14JUN	0.00	0.00	10.00	0.00	0.00	10.00	3.47

(CONTINUED)

TABLE 6		Cyprinidae larvae		Minytrema melanops larvae			Unknown eggs	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	28-29MAR	0.00	10.00	3.76	6.11	10.00	5.17	8.83
	05APR	9.04	12.00	1.25	4.35	12.00	1.75	4.18
	11-12APR	0.00	12.00	1.92	4.50	12.00	6.06	8.36
	16,19APR	6.30	12.00	6.71	7.96	12.00	4.18	5.18
	25-26APR	10.40	12.00	10.58	17.33	12.00	21.40	17.65
	02-03MAY	9.60	12.00	1.66	4.03	12.00	7.57	9.29
	10MAY	4.81	12.00	0.74	2.56	12.00	4.82	6.41

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Morone saxatilis metalarvae			Cyprinidae eggs			Cyprinidae larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	05APR	0.00	0.00	12.00	0.00	0.00	12.00	6.21
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	1.82
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	8.91
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	7.17
	10MAY	0.00	0.00	12.00	1.37	4.74	12.00	3.21
	17MAY	0.00	0.00	12.00	0.00	0.00	12.00	2.45
	24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.92
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	1.88
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	13-14JUN	0.00	0.00	10.00	0.00	0.00	10.00	1.14
Night	28-29MAR	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	1.08
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.84

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Unknown eggs			Carpiodes velifer eggs			Carpiodes velifer larvae		
		N	MEAN	STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event									
Day	28-29MAR	10.00	0.00	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	12.00	0.00	0.00	12.00	0.95	3.28	12.00	0.00	0.00
	25-26APR	12.00	0.00	0.00	12.00	1.48	5.14	12.00	0.00	0.00
	02-03MAY	12.00	0.00	0.00	12.00	6.77	9.21	12.00	0.00	0.00
	10MAY	12.00	0.00	0.00	12.00	0.98	3.39	12.00	0.00	0.00
	17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	10.00	0.00	0.00	10.00	1.15	3.64	10.00	0.00	0.00
	13-14JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00	0.00	0.00
Night	28-29MAR	10.00	0.00	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	12.00	0.00	0.00	12.00	1.65	3.85	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Cyprinidae larvae		Minytrema melanops larvae			Unknown eggs	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	17MAY	5.74	12.00	2.03	4.74	12.00	4.00	6.08
	24MAY	0.00	12.00	0.87	3.01	12.00	5.50	7.28
	31MAY	3.20	12.00	0.99	3.44	12.00	0.00	0.00
	03JUN	4.39	12.00	3.72	5.49	12.00	2.52	4.59
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	13-14JUN	3.59	10.00	0.00	0.00	10.00	0.00	0.00
Night	28-29MAR	0.00	10.00	0.00	0.00	10.00	7.14	8.30
	11-12APR	3.74	12.00	9.93	10.26	12.00	12.73	14.60
	16,19APR	0.00	12.00	4.06	6.46	12.00	7.84	11.48
	25-26APR	2.89	12.00	9.60	8.31	12.00	106.41	53.27
	02-03MAY	17.45	12.00	1.82	4.28	12.00	11.65	9.56
	03JUN	5.27	12.00	0.95	3.29	12.00	8.27	28.67
	06JUN	36.98	12.00	11.21	13.38	12.00	0.00	0.00
	10-11JUN	18.57	12.00	2.27	5.34	12.00	3.87	9.71
	13-14JUN	8.36	10.00	0.00	0.00	10.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Unknown eggs	Carpiodes velifer eggs			Carpiodes velifer larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Night	02-03MAY	12.00	0.00	0.00	12.00	6.24	10.53	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	3.14	5.68	12.00
	13-14JUN	10.00	0.00	0.00	10.00	1.25	3.96	10.00

(CONTINUED)

TABLE 6		Cyprinus carpio larvae			Lepomis sp. larvae			Pomoxis sp. larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	05APR	0.00	0.00	12.00	0.00	0.00	12.00	6.05
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	1.03	3.55	12.00	0.00	0.00	12.00	0.00
	10MAY	10.11	11.31	12.00	4.28	7.38	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Cyprinus carpio larvae			Lepomis sp. larvae			Pomoxis sp. larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	17MAY	1.07	3.69	12.00	1.10	3.80	12.00	0.00
	24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	31MAY	0.00	0.00	12.00	1.12	3.87	12.00	0.00
	03JUN	1.68	3.95	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	2.25	5.25	12.00	0.00
	10-11JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	13-14JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00
Night	28-29MAR	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	1.85
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	1.19
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.84	2.92	12.00	0.00	0.00	12.00	0.00
	03JUN	3.04	5.55	12.00	1.18	4.08	12.00	0.00
	06JUN	0.00	0.00	12.00	63.17	45.34	12.00	0.00
	10-11JUN	0.00	0.00	12.00	1.06	3.66	12.00	0.00
	13-14JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Pomoxis sp. larvae		Perca flavescens larvae			Notimegonus crysoleucas larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	28-29MAR	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	05APR	12.99	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.85	2.95	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10MAY	0.00	12.00	0.00	0.00	12.00	0.68	2.37
	17MAY	0.00	12.00	0.00	0.00	12.00	0.87	3.02
	24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	13-14JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00
Night	28-29MAR	0.00	10.00	1.04	3.29	10.00	0.00	0.00
	11-12APR	4.33	12.00	1.07	3.69	12.00	0.00	0.00
	16,19APR	4.11	12.00	0.00	0.00	12.00	1.87	4.55
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Pomoxis sp. larvae		Perca flavescens larvae			Notimegonus crysoleucas larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Night	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.95	3.29
	06JUN	0.00	12.00	0.00	0.00	12.00	3.14	5.68
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00

(CONTINUED)

TABLE 6		Notimegonus crysoleucas larvae	Percidae eggs			Percidae larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	28-29MAR	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Notimegonus crysoleucas larvae	Percidae eggs			Percidae larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	1.03	3.58	12.00	0.00	0.00	12.00
	10-11JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	13-14JUN	10.00	0.00	0.00	10.00	0.97	3.06	10.00
Night	28-29MAR	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.94	3.26	12.00	0.00	0.00	12.00
	03JUN	12.00	49.92	56.04	12.00	1.68	3.97	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Dorosoma cepedianum larvae			Pomoxis nigromaculatus larvae			Elassoma zonatum larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10MAY	1.91	4.47	12.00	0.00	0.00	12.00	0.00
	17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	13-14JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00
Night	28-29MAR	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.45	1.55	12.00	0.68

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Dorosoma cepedianum larvae			Pomoxis nigromaculatus larvae			Elassoma zonatum larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Night	25-26APR	0.00	0.00	12.00	0.83	2.87	12.00	0.00
	02-03MAY	1.12	3.89	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.99
	13-14JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Elassoma zonatum larvae		Aphredoderus sayanus larvae			Unidentified/damaged larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	28-29MAR	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	05APR	0.00	12.00	0.00	0.00	12.00	1.07	3.71
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10MAY	0.00	12.00	0.00	0.00	12.00	0.96	3.34
	17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	13-14JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00
Night	28-29MAR	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	2.37	12.00	0.83	2.86	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.83	2.87	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Elassoma zonatum larvae		Aphredoderus sayanus larvae			Unidentified/damaged larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Night	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.88	3.07
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	3.44	12.00	0.00	0.00	12.00	0.91	3.14
	13-14JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00

(CONTINUED)

TABLE 6		Unidentifie-d/damaged larvae	Centrarchus macropterus larvae			Elassoma sp. larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	28-29MAR	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Unidentified/damaged larvae	Centrarchus macropterus larvae			Elassoma sp. larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	13-14JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00
Night	28-29MAR	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Alosa mediocris larvae			Micropterus salmoides larvae			Clupeidae larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	17MAY	0.00	0.00	12.00	1.10	3.80	12.00	0.00
	24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	13-14JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00
Night	28-29MAR	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Alosa mediocris larvae			Micropterus salmoides larvae			Clupeidae larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Night	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	1.18	4.08	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	14.57	13.10	12.00	0.00
	10-11JUN	0.00	0.00	12.00	1.09	3.78	12.00	0.00
	13-14JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00

(CONTINUED)

TABLE 6		Clupeidae larvae		Acipenser sp. larvae			Labidesthes sicculus larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	28-29MAR	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.86	2.99	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Clupeidae larvae		Acipenser sp. larvae			Labidesthes sicculus larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	13-14JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00
Night	28-29MAR	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Labidesthes sicculus larvae	Ictalurus punctatus larvae			Cyprinella (Notropis) nivea larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	28-29MAR	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	13-14JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00
Night	28-29MAR	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Labidesthes sicculus larvae	Ictalurus punctatus larvae			Cyprinella (Notropis) nivea larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Night	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Amia calva larvae			Esox sp. larvae			Erimyzon sp. larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	13-14JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00
Night	28-29MAR	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Amia calva larvae			Esox sp. larvae			Erimyzon sp. larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Night	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-14JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00

(CONTINUED)

TABLE 6		Erimyzon sp. larvae		Centrarchidae larvae			Chologaster cornuta larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	28-29MAR	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Erimyzon sp. larvae		Centrarchidae larvae			Chologaster cornuta larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	13-14JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00
Night	28-29MAR	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Chologaster cornuta larvae	Lepomis macrochirus larvae			Dorosoma sp. larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	28-29MAR	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	13-14JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00
Night	28-29MAR	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Chologaster cornuta larvae	Lepomis macrochirus larvae			Dorosoma sp. larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Night	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Etheostoma olmstedi larvae			Lepomis auritus larvae			Notropis pettersoni larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	13-14JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00
Night	28-29MAR	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Etheostoma olmstedi larvae			Lepomis auritus larvae			Notropis pettersoni larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Night	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-14JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Notropis pettersoni larvae		Umbra pygmaea larvae			Ictaluridae larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Day	28-29MAR	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	05APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	17MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	24MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	31MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	13-14JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00
Night	28-29MAR	0.00	10.00	0.00	0.00	10.00	0.00	0.00
	11-12APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	16,19APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	25-26APR	0.00	12.00	0.00	0.00	12.00	0.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Notropis pettersoni larvae		Umbra pygmaea larvae			Ictaluridae larvae	
		STD	N	MEAN	STD	N	MEAN	STD
Time Period	Sampling Event							
Night	02-03MAY	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	03JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	06JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00	0.00	0.00
	13-14JUN	0.00	10.00	0.00	0.00	10.00	0.00	0.00

(CONTINUED)

TABLE 6		Ictaluridae larvae	Lepistosteus larvae			Ameiurus catus larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	28-29MAR	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	05APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

TABLE 6		Ictaluridae larvae	Lepistosteus larvae			Ameiurus catus larvae		
		N	MEAN	STD	N	MEAN	STD	N
Time Period	Sampling Event							
Day	17MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	24MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	31MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	06JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	10-11JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	13-14JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00
Night	28-29MAR	10.00	0.00	0.00	10.00	0.00	0.00	10.00
	11-12APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	16,19APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	25-26APR	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	02-03MAY	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	03JUN	12.00	0.00	0.00	12.00	0.91	3.14	12.00
	06JUN	12.00	0.00	0.00	12.00	1.01	3.49	12.00
	10-11JUN	12.00	0.00	0.00	12.00	0.00	0.00	12.00
	13-14JUN	10.00	0.00	0.00	10.00	0.00	0.00	10.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Strongylura marina larvae			Ameiurus platycephalus larvae			Alosa aestivalis larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Day	28-29MAR	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	05APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	17MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	24MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	31MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	10-11JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	13-14JUN	0.00	0.00	10.00	0.00	0.00	10.00	0.00
Night	28-29MAR	0.00	0.00	10.00	0.00	0.00	10.00	0.00
	11-12APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	16,19APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Strongylura marina larvae			Ameiurus platycephalus larvae			Alosa aestivalis larvae
		MEAN	STD	N	MEAN	STD	N	MEAN
Time Period	Sampling Event							
Night	25-26APR	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	02-03MAY	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	03JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	06JUN	0.00	0.00	12.00	0.00	0.00	12.00	1.65
	10-11JUN	0.00	0.00	12.00	0.00	0.00	12.00	0.00
	13-14JUN	1.40	4.42	10.00	0.00	0.00	10.00	0.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Alosa aestivalis larvae		Alosa mediocris eggs		
		STD	N	MEAN	STD	N
Time Period	Sampling Event					
Day	28-29MAR	0.00	10.00	0.00	0.00	10.00
	05APR	0.00	12.00	0.00	0.00	12.00
	11-12APR	0.00	12.00	0.00	0.00	12.00
	16,19APR	0.00	12.00	0.00	0.00	12.00
	25-26APR	0.00	12.00	0.00	0.00	12.00
	02-03MAY	0.00	12.00	0.00	0.00	12.00
	10MAY	0.00	12.00	0.00	0.00	12.00
	17MAY	0.00	12.00	0.00	0.00	12.00
	24MAY	0.00	12.00	0.00	0.00	12.00
	31MAY	0.00	12.00	0.00	0.00	12.00
	03JUN	0.00	12.00	0.00	0.00	12.00
	06JUN	0.00	12.00	1.05	3.65	12.00
	10-11JUN	0.00	10.00	0.00	0.00	10.00
	13-14JUN	0.00	10.00	0.00	0.00	10.00
Night	28-29MAR	0.00	10.00	0.00	0.00	10.00
	11-12APR	0.00	12.00	0.00	0.00	12.00
	16,19APR	0.00	12.00	0.00	0.00	12.00
	25-26APR	0.00	12.00	0.00	0.00	12.00

(CONTINUED)

Densities of all species by tansect over all locations during
The day and the night on each day/night sampling event

Transect 2

TABLE 6		Alosa aestivalis larvae		Alosa mediocris eggs		
		STD	N	MEAN	STD	N
Time Period	Sampling Event					
Night	02-03MAY	0.00	12.00	0.00	0.00	12.00
	03JUN	0.00	12.00	0.00	0.00	12.00
	06JUN	3.86	12.00	0.00	0.00	12.00
	10-11JUN	0.00	12.00	0.00	0.00	12.00
	13-14JUN	0.00	10.00	0.00	0.00	10.00

Water quality at each location and transect
Over all day/night sample dates

ABLE 7		Location							
		CB		CS		LB		LS	
		Transect		Transect		Transect		Transect	
		1	2	1	2	1	2	1	2
Temperature	MEAN	18.85	18.93	18.82	18.92	18.78	18.68	18.81	18.94
	STD	2.49	2.43	2.57	2.46	2.54	2.13	2.54	2.40
	MAX	22.50	22.60	22.50	22.60	22.60	22.10	22.60	22.60
	MIN	15.20	15.00	14.30	14.70	14.40	15.50	14.50	15.40
	N	23.00	23.00	23.00	23.00	23.00	18.00	23.00	23.00
Dissolved Oxygen	MEAN	8.19	8.23	8.26	8.25	8.26	8.16	8.32	8.16
	STD	0.76	0.81	0.77	0.84	0.78	0.92	0.86	0.89
	MAX	9.79	9.74	9.58	9.75	10.10	9.76	10.66	9.77
	MIN	7.22	7.07	7.23	7.10	7.07	6.50	7.22	6.55
	N	23.00	23.00	23.00	23.00	23.00	18.00	23.00	23.00
pH	MEAN	6.81	6.76	6.82	6.80	6.85	6.79	6.84	6.80
	STD	0.25	0.29	0.26	0.27	0.21	0.26	0.23	0.30
	MAX	7.20	7.25	7.23	7.25	7.21	7.21	7.22	7.22
	MIN	6.24	6.07	6.23	6.12	6.34	6.09	6.24	5.80
	N	20.00	18.00	20.00	18.00	21.00	13.00	21.00	18.00
Conductivity	MEAN	65.96	65.43	66.30	65.13	66.00	62.22	66.26	65.26
	STD	13.75	13.21	13.72	13.07	13.97	12.16	13.99	13.25
	MAX	98.00	95.00	99.00	95.00	98.00	95.00	98.00	96.00

(CONTINUED)

Water quality at each location and transect
Over all day/night sample dates

TABLE 7		Location							
		CB		CS		LB		LS	
		Transect		Transect		Transect		Transect	
		1	2	1	2	1	2	1	2
Conductivity	MIN	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
	N	23.00	23.00	23.00	23.00	23.00	18.00	23.00	23.00

(CONTINUED)

TABLE 7		Location			
		RB		RS	
		Transect		Transect	
		1	2	1	2
Temperature	MEAN	18.88	18.92	18.99	18.93
	STD	2.45	2.49	2.43	2.50
	MAX	22.40	22.50	22.50	22.60
	MIN	14.70	14.40	14.90	14.30
	N	23.00	23.00	23.00	23.00
Dissolved Oxygen	MEAN	8.05	8.16	8.02	8.20
	STD	0.87	0.84	0.93	0.86
	MAX	9.74	9.76	9.78	9.82
	MIN	6.84	6.99	6.54	6.96

(CONTINUED)

Water quality at each location and transect
Over all day/night sample dates

TABLE 7		Location			
		RB		RS	
		Transect		Transect	
		1	2	1	2
Dissolved Oxygen	N	23.00	23.00	23.00	23.00
pH	MEAN	6.79	6.84	6.64	6.78
	STD	0.23	0.24	0.64	0.24
	MAX	7.13	7.24	7.23	7.19
	MIN	6.14	6.25	4.20	6.24
	N	20.00	18.00	20.00	18.00
Conductivity	MEAN	63.13	65.04	63.00	65.87
	STD	12.32	12.27	12.41	12.66
	MAX	98.00	92.00	98.00	95.00
	MIN	45.00	45.00	45.00	45.00
	N	23.00	23.00	23.00	23.00

Max and Min Water Quality Values by Sampling Event

Transect 1

Table 8	Temperature		Dissolved Oxygen Concentration		pH		Conductivity	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Sampling event								
28-29MAR	16.00	16.40	8.90	9.58	6.56	7.23	55.00	67.00
02-03APR	15.80	17.80	6.40	8.12	6.17	7.70	28.00	70.00
05APR	14.30	15.20	8.44	9.05	6.59	7.01	45.00	45.00
08-10APR	15.20	23.10	4.08	7.35	5.93	7.31	45.00	81.00
11-12APR	15.60	16.40	8.85	9.52	.	.	50.00	51.00
15,17-19APR	16.00	21.00	4.86	9.58	6.60	7.20	50.00	87.00
16,19APR	17.00	18.10	6.84	8.78	6.70	6.94	49.00	59.00
22-24APR	15.90	17.40	5.36	7.98	5.10	8.05	31.00	92.00
25-26APR	16.90	17.30	8.20	8.85	4.20	6.80	68.00	71.00
29-30APR	19.20	20.50	7.08	8.33	5.80	7.07	40.00	98.00
02-03MAY	17.80	18.90	7.81	10.66	6.67	7.19	50.00	60.00
07-08MAY	17.20	21.00	5.25	8.33	6.42	6.99	48.00	55.00
10MAY	17.30	18.10	7.11	7.69	6.87	7.23	49.00	51.00
13-14MAY	19.40	20.90	5.27	7.53	6.30	7.16	50.00	78.00
17MAY	18.80	19.00	7.62	7.88	6.90	6.94	68.00	69.00
20-22MAY	18.00	19.70	6.15	7.97	6.98	7.57	53.00	62.00
24MAY	18.20	18.50	7.46	8.38	7.09	7.22	59.00	60.00
28-29MAY	19.30	20.80	7.35	8.51	6.95	7.11	52.00	72.00
31MAY	20.40	21.40	6.54	7.54	6.60	6.80	59.00	63.00
03JUN	21.70	22.50	7.28	7.75	6.73	6.92	65.00	72.00
06JUN	20.40	22.30	7.04	7.57	6.10	6.79	68.00	79.00
10-11JUN	20.60	21.90	7.60	9.06	6.61	6.85	62.00	99.00
13-14JUN	22.40	22.60	7.45	7.76	6.55	6.98	76.00	80.00

Max and Min Water Quality Values by Sampling Event

Transect 2

Table 8	Temperature		Dissolved Oxygen Concentration		pH		Conductivity	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Sampling event								
28-29MAR	16.10	16.70	8.70	9.41	6.46	7.25	58.00	66.00
02-03APR	15.10	16.60	7.34	9.71	6.29	7.18	42.00	60.00
05APR	14.30	15.60	6.50	9.54	6.48	7.07	45.00	45.00
08-10APR	17.40	18.70	6.80	7.82	6.40	7.10	62.00	81.00
11-12APR	15.50	16.80	9.02	9.59	.	.	50.00	55.00
15,17-19APR	16.20	17.40	7.90	8.91	6.30	7.08	50.00	58.00
16,19APR	17.20	18.30	8.19	8.91	.	.	50.00	61.00
22-24APR	16.40	18.00	6.76	8.65	6.38	7.10	27.00	72.00
25-26APR	16.90	17.50	8.03	8.89	5.80	6.89	66.00	69.00
29-30APR	19.30	26.20	3.94	8.90	6.27	7.72	49.00	70.00
02-03MAY	17.80	18.10	7.94	9.82	6.07	6.63	50.00	55.00
07-08MAY	17.20	19.70	6.90	7.63	6.70	7.25	51.00	54.00
10MAY	17.40	17.70	6.99	7.60	7.04	7.15	51.00	52.00
13-14MAY	19.20	20.60	6.36	8.06	6.68	6.98	60.00	79.00
17MAY	19.10	19.50	7.32	7.62	6.87	6.97	69.00	70.00
20-22MAY	17.80	18.80	7.18	8.07	6.40	7.09	50.00	63.00
24MAY	18.20	18.50	8.14	8.46	7.07	7.22	60.00	60.00
28-29MAY	18.60	20.40	7.96	8.60	6.70	7.24	50.00	57.00
31MAY	20.50	20.80	6.96	7.26	6.70	6.70	61.00	61.00
03JUN	21.80	22.40	7.28	8.06	6.83	6.94	68.00	72.00
06JUN	20.40	21.80	7.07	7.53	6.67	6.81	70.00	78.00
10-11JUN	20.90	21.90	7.48	8.91	6.75	6.85	92.00	96.00
13-14JUN	22.30	22.60	7.15	7.73	6.74	7.03	75.00	79.00

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