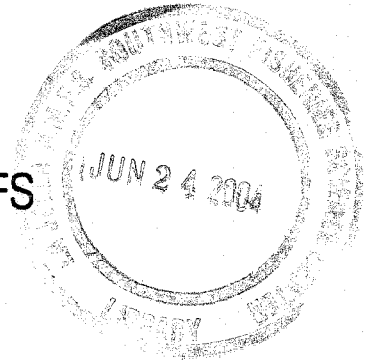


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NOAA Technical Memorandum NMFS



1988

**ICHTHYOPLANKTON AND STATION DATA FOR
CALIFORNIA COOPERATIVE OCEANIC FISHERIES
INVESTIGATIONS SURVEY CRUISES IN 1978**

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NOAA-TM-NMFS-SWFC-111

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Southwest Fisheries Center

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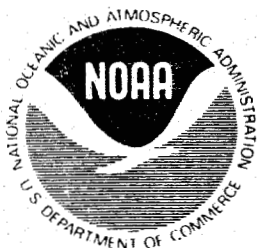
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ABSTRACT

This report provides ichthyoplankton and associated station and tow data from California Cooperative Oceanic Fisheries Investigations (CalCOFI) cruises conducted off California and Baja California in 1978. It is the twenty-second report in a series that presents these data for all biological-oceanographic CalCOFI surveys from 1951 to the present. A total of 1241 stations was occupied during seven monthly multivessel cruises over the survey area which extended from Pt. Reyes, California to Pt. San Juanico, Mexico, and seaward to several hundred miles. The data are listed in a series of 6 tables; the background, methodology, and information necessary for interpretation and quantitative analysis of the data are presented in an accompanying text. All pertinent station and tow data, including volumes of water strained and standard haul factors, are listed in the first table. Another key table lists, by station and month, standardized counts of each of the 174 larval fish categories identified from survey samples. This and previous and subsequent reports make the CalCOFI ichthyoplankton and station data available to all investigators and serve as guides to the newly developed computer data base.

INTRODUCTION

This report, the twenty-second of a series, provides ichthyoplankton and associated station and tow data from California Cooperative Oceanic Fisheries Investigations (CalCOFI) joint biological-oceanographic survey cruises conducted in 1978. This program was initiated in 1949, under the sponsorship of the Marine Research Committee of the State of California, to study the population fluctuations of the Pacific sardine (*Sardinops sagax*) and the environmental factors that may play a role in such fluctuations. CalCOFI, known as the California Cooperative Sardine Research Program from 1949 to 1953, was made up of representatives of the South Pacific Fisheries Investigations (SPFI) of the U.S. Fish and Wildlife Service [now the La Jolla Laboratory, National Marine Fisheries Service (NMFS)], the Scripps Institution of Oceanography (SIO), the California Department of Fish and Game (CDFG), the California Academy of Sciences (CAS) and the Hopkins Marine Station of Stanford University. The first three of these agencies supplied ships and personnel to conduct the sea surveys. NMFS processed the plankton samples and analyzed the ichthyoplankton from them. SIO processed and analyzed the hydrographic samples and measurements and also analyzed invertebrate groups from the plankton samples.

The boundaries, station placement, and sampling frequency for the CalCOFI survey area were based on the results of joint biological and oceanographic cruises conducted by NMFS and SIO during 1939-41. Those cruises were designed to collect sardine eggs and larvae and associated hydrographic data over the entire areal and seasonal spawning range of the species. On these survey cruises, plankton tows were made to 70 m, a depth which

encompassed the vertical distribution of sardine eggs and larvae. Wide-ranging joint biological and oceanographic survey cruises were resumed in 1949 with sardine as the focus; however, an increasing interest in other biological components resulted in the deepening of standard tows to 140 m in 1951. This marked the beginning of truly quantitative ichthyoplankton sampling on CalCOFI surveys.

Some data resulting from CalCOFI surveys in 1978 have been published. Hydrographic data (Univ. of Calif., SIO, 1982, 1986) were presented in standard formats. Distributional maps of northern anchovy (*Engraulis mordax*) larvae taken on CalCOFI surveys during 1978 are presented in the CalCOFI atlas series (Hewitt, 1980).

A computer data base for eggs and larvae of sardine and anchovy, for larvae of Pacific hake (*Merluccius productus*), jack mackerel (*Trachurus symmetricus*) and Pacific mackerel (*Scomber japonicus*), and for eggs of Pacific saury (*Cololabis saira*) was established in 1969. The development of a data base for other fish larvae is a complex undertaking because competency of identification has evolved steadily over the past 38 years. We began the task of producing a CalCOFI ichthyoplankton data base and associated data report series in 1983. All available original records for 1978 were subjected to an extensive verification and editing process to produce this report. This and previous (Ambrose et al., 1987a,b,c; 1988a,b,c; Sandknop et al., 1987a,b; 1988a,b,c; Stevens et al., 1987a,b,c; 1988a,b; Sumida et al., 1987a,b; 1988a,b,c) and subsequent reports make the CalCOFI ichthyoplankton and station data available to all investigators and serve as guides to the computer data base. The data base will be modified when additional errors are discovered and when composite taxa from the earlier years are reidentified. These reports are the fundamental reference documents against which subsequent changes in the data base can be compared.

SAMPLING AREA AND PATTERN

In 1978, the six CalCOFI survey cruises occupied stations during portions of all months from January to August. A seventh cruise (7712), conducted in November and December of 1977 was included in the 1978 data base. A total of 1241 stations was included in this data base, with an average of 177 stations per cruise (range 93-231). Coverage of the survey station pattern varied among cruises and the entire survey area was not covered on any single cruise (Figures 1-9, Table 1). The area off northern California (lines 40-57) was not surveyed in 1978. Stations off central California (lines 60-77) were surveyed on all cruises except 7712 (November-December). The area between Pt. Conception, California and Pt. San Juanico, Baja California (lines 80-137) was surveyed on 7801, 7803, 7807, and 7808. On 7712, 7804, and 7805 coverage did not extend south of line 113, off Pt. Canoa. The area off southern Baja California (lines 140-157) was not surveyed in 1978. Coverage extended seaward to

station 200 (approximately 690 miles offshore) on lines 90 and 93 (cruises 7804, 7807) and to station 180 on these lines in 7808 but typically did not extend beyond station 90 (approximately 160-260 miles offshore)¹.

Two vessels were employed on these cruises: the *David Starr Jordan* of NMFS and the *Alejandro de Humboldt* of the Instituto Nacional de Pesca of the Mexican Federal Government. The *David Starr Jordan* participated on all seven cruises and the *Alejandro de Humboldt* was used on six (Univ. of Calif., SIO, 1982, 1986).

After 1969, CalCOFI surveys were made on a triennial basis. These began in 1972 and continued every 3 years (1975, 1978, 1981, 1984) until 1985 when annual surveys were resumed.

SAMPLING GEAR AND METHODS

In 1978, the standard 1-m ring net with towing bridle was replaced by a bridle-free "bongo" net. The bongo frame (McGowan and Brown, 1966; Smith and Richardson, 1977) consists of a pair of circular frames connected by a central axle which is horizontal to the towing wire and attached to it by a clamp. The axle is free to rotate so that the mouth openings are vertical during the tow. The standard CalCOFI version of the bongo net has 71 cm diameter frames and net material constructed of nylon mesh. Each net consists of a cylindrical section ca. 146 cm long, a truncated conical section ca. 161 cm long, and a detachable cod end. The starboard net, from which the standard sample is taken, is constructed of 0.505 mm mesh. The sample from the port net is used for other purposes; the mesh size is either 0.505 mm or 0.333 mm mesh depending on requirements. The cod end of each net is constructed of 0.333 mm mesh (W. C. Flerx, pers. comm.). A flowmeter is suspended in the center of the mouth of each net to measure volume of water filtered. On cruise 7712 the bongo net was lost and replaced with a standard CalCOFI 1-m net for stations 100.80 through 103.80.

¹CalCOFI lines (Figure 9) are arranged perpendicular to the coastline and extend from the Canadian border (line 10) to below Cape San Lucas, Baja California (line 157). Stations were established on the basis of a perpendicular to line 80 (off Pt. Conception) at a point designated as station 60. Stations were plotted seaward and shoreward from station 60 on each line. Cardinal CalCOFI lines (those ending in "0") are 120 miles apart and usually bracket two ordinal lines (ending in "3" or "7"), so that lines are 40 miles apart over most of the pattern. Cardinal stations are 40 miles apart and typically these are separated by a station number ending in "5" so that stations are 20 miles apart out to station 90 on most lines. Stations are placed at closer intervals near the coast and islands to accommodate these features (see Kramer et al., 1972 for further details).

The standard tow in 1978 was an oblique haul to ca. 210 m depth (to 15 m of the bottom in shallow areas) designed to filter a constant amount of water per depth interval (ca. $2\text{m}^3/\text{m}$ of depth) over the vertical range of most ichthyoplankters. Hauls were made at a ship speed of 1.5-2.0 knots and initiated by clamping the net to the towing cable with a 34 kg terminal weight below the surface. The net was lowered to ca. 210 m depth by paying out 300 m of wire over a 6 minute period (35 m of depth/min.). After fishing at depth for 30 seconds, the net was retrieved at 20 m/min. (14 m depth/min.). The angle of stray of the towing cable was recorded every 30 seconds and maintained at $45^\circ (+3^\circ)$ by adjusting the ship speed and course. After reaching the surface, the nets were washed down and the samples preserved in 5% formalin buffered with sodium borate. Flowmeter readings were made at the beginning and end of each tow. Descriptions of the methods are given by Kramer et al. (1972) and Smith and Richardson (1977). The bongo net frame is described in McGowan and Brown (1966) and Smith and Richardson (1977).

LABORATORY PROCEDURES

Laboratory processing began with the determination of a displacement volume for each sample (methods described in Staff, SPFI, 1953 and Kramer et al., 1972). Sorting involved the removal of ichthyoplankton from the sample and identification and separation of: eggs and larvae of Pacific sardine and northern anchovy; larvae of Pacific hake; and eggs of Pacific saury. Some samples were fractionated into aliquots using a Folsom plankton splitter (McEwen et al., 1954) prior to sorting. Criteria for fractioning were: 1) samples taken at a distance greater than 200 nautical miles from shore were not fractioned, 2) samples taken closer than 200 miles from shore and containing 25 ml of plankton or less were not fractioned, and 3) samples taken closer than 200 miles from shore and containing more than 25 ml of plankton were fractioned to 50% of their original volume (J. R. Thrailkill, pers. comm.). Aliquot percentages for fractioned samples from 1978 are listed in Table 1 under the "Percent Sorted" column; 46.4% of the samples collected in 1978 were fractioned.

A "standard haul factor" (SHF) was calculated for each tow to make them comparable and allow estimations of areal abundance. This factor adjusts the number of eggs or larvae in a haul to the number in 10m^3 of water strained per meter of depth fished. If the vertical distribution of the species has been encompassed, then the adjusted value is equivalent to the number under 10m^2 of sea surface. The SHF is calculated for each haul by the formula:

$$\text{SHF} = \frac{10 D}{V}$$

where D = depth of haul = cosine of the average angle of stray of the towing cable multiplied by cable length (m)

V = total volume of water (m^3) strained during the haul

$V = R \cdot a \cdot p$

where R = total number of revolutions of the current meter during the haul

a = area (m^2) of the mouth of the net

p = length of column of water (m) needed to produce one revolution of the current meter.

Tow depth, volume of water strained, and standard haul factor are listed in Table 1 for each tow taken during 1978. Detailed descriptions of factors involved in calculating these values are presented in Ahlstrom (1948), Kramer et al. (1972), and Smith and Richardson (1977).

IDENTIFICATION

Identification of ichthyoplankton species beyond those separated during the sorting process was carried out by a separate group of specialists. Ontogenetic stages of fishes are inherently difficult to identify and this is further complicated by the large number and diversity of species which contribute to the ichthyoplankton of the California Current region. Most identifications were accomplished by establishing ontogenetic series on the basis of morphology, meristics, and pigmentation and then identifying these series by relating them to known metamorphic, juvenile, or adult stages with overlapping features (Powles and Markle, 1984). A total of 172 taxa was identified for 1978, with 103 taken to species, 38 to genus, 26 to family, and 5 to order or suborder. In the decade of the 1970's some taxa were identified for the first time. These included larvae of the bathylagid *Bathylagus longirostris*, the gonostomatids *Danaphos oculatus* and *Valencienellus stellatus*, the myctophid *Bolinichthys* spp., and the trichiurid *Lepidopus xantusi*. Larvae in the families Scopelarchidae and Nomeidae were identified to genus or species. Five species of rockfish in the *Sebastes* group were also identified: *S. aurora*, *S. jordani*, *S. levis*, *S. macdonaldi*, and *S. paucispinis*.

The task of producing a reliable and equitable ichthyoplankton data base required extensive procedures to verify, correct, and edit the original identifications. The primary data source was the original identification sheets (see Kramer et al., 1972, for examples); however, a critical resource used in all phases of this process was the CalCOFI

ichthyoplankton collection in which the samples are archived. Throughout the course of CalCOFI ichthyoplankton studies, samples have been identified to the lowest taxon possible. In reviewing these identifications for the data base, our approach has been conservative and we have preserved those identifications and counts which we could confirm, while correcting as many of the errors as possible. After computer entry, taxonomic errors and inconsistencies in the data base were corrected and the most obvious identification errors were corrected. Our current knowledge of ichthyoplankton techniques coupled with a precise understanding of the development of identification competency in the program over the years allowed us to critically judge the historical records. Identifications were changed to different taxa, lumped to a higher taxonomic category, or given a more precise taxonomic name. In some cases, identifications of a taxon were inconsistent among cruises in a year. These records were made equitable by lumping to the higher taxonomic category to avoid biases that could result in quantitative misinterpretation.

Next, statistical, seasonal, and geographic outliers were identified, employing a series of graphic summaries and listings. Examination of geographic outliers proved to be especially effective because of our accumulated knowledge of species distributions. In the course of examining samples for these outliers, other identification errors were discovered and eventually all taxa were scrutinized to some extent. Lastly, certain taxa were reexamined in all samples for the entire CalCOFI time series. These taxa were selected because of their commercial, ecological, phylogenetic, or zoogeographic importance or because taxonomic confusion was at the ordinal level. The following is a list of the taxa for 1978 which received special attention, with explanations and caveats intended to aid in quantitative interpretations:

Anguilliformes - tentative and sporadic identifications to family or lower taxon lumped to order.

Sardinops sagax - all specimens south of line 120 checked for misidentification of *Opisthonema* spp.

Engraulis mordax - some nearshore samples of small *E. mordax* may contain other anchovy genera which could not be differentiated.

Nansenia spp. - all specimens checked and identified as *N. candida* or *N. crassa*; all specimens of these species near their range boundaries checked.

Bathylagus spp. - includes small and/or disintegrated specimens of *Bathylagus* or *Leuroglossus stilbius*.

Bathylagus longirostris - all specimens checked.

Bathylagus wesethi - specimens seaward of station 120 checked.

Osmeridae - specimen checked.

Stomiiformes - all specimens checked and identified to genus or species; residuals are small, poorly preserved or unavailable specimens.

Cyclothone spp. - tentative and sporadic identifications to species were lumped to genus.

Gonostoma spp. - all specimens checked.

Vinciguerria lucetia - specimens taken seaward of station 100 checked for misidentification of *V. poweriae*; some *V. poweriae* may remain in these samples because small larvae of the two species could not be differentiated; sporadic identification of *V. poweriae* began in 1961.

Vinciguerria poweriae - all specimens checked.

Valenciennellus stellatus - all specimens checked.

Sternoptychidae - tentative and sporadic identifications of hatchetfishes to genus were lumped to family.

Bathophilus spp. - all specimens checked.

Tactostoma macropus - all specimens checked.

Paralepididae - all specimens examined and identified to species; residuals are small, poorly preserved or unavailable specimens.

Aulopus spp. - specimen checked.

Scopelarchidae - all specimens reidentified to species except *Scopelarchus*; residuals are small, poorly preserved or unavailable specimens.

Scopelarchus spp. - tentative and sporadic identifications to species lumped to genus.

Bolinichthys spp. - all specimens checked.

Lampanyctus spp. - tentative and sporadic identifications to species lumped to genus.

Lampanyctus regalis - underrepresented because of inability to differentiate small larvae (<5 mm) from those of other species of the genus; counts may include other species of the genus because of difficulty in identifying larvae of this large and complex genus.

Lampanyctus ritteri - comment for *L. regalis* applies to this species.

Parvilux ingens - all specimens checked.

Stenobranchius leucopsarus - all specimens seaward of station 100 checked.

Taaningichthys minimus - specimen checked.

Triphoturus mexicanus - specimens seaward of station 100 checked for misidentification of *T. nigrescens*.

Triphoturus nigrescens - all specimens checked.

Diogenichthys laternatus - all specimens at margins of range checked.

Hygophum spp. - all specimens reidentified to species; residuals are small, poorly preserved or unavailable specimens.

Hygophum atratum - specimens at margins of range checked.

Hygophum reinhardtii - specimens at margins of range checked.

Protomyctophum crockeri - all specimens seaward of station 100 checked.

Symbolophorus californiensis - all specimens seaward of station 100 checked.

Moridae - specimen checked.

Ophidiiformes - this category did not exist originally and unidentified larvae of this order, including a type referred to as "Zoarcidae", were originally placed in the "blenny" category.

Chilara taylori - all specimens checked.

Ophidion scrippsae - all specimens checked.

Trachipteridae - tentative and sporadic identifications to genus were lumped to family.

Melamphaes spp. - all identifications ascribed to Melamphaidae were reexamined and assigned to genus (*Melamphaes*, *Poromitra*) or species (*Scopelogadus bispinosus*, *Scopeloberyx robustus*); larvae originally identified as *Melamphaes* spp. were not reexamined and this category may contain other melamphaid genera.

Cottidae - all specimens checked.

Zaniolepis spp. - all specimens checked.

Labridae - all specimens originally identified to family were reexamined and assigned to genus (*Halichoeres* spp.) or species (*Oxyjulis californica*, *Semicossyphus pulcher*).

Chromis punctipinnis - records south of about line 120 may include other pomacentrid taxa.

Howella brodiei - all specimens checked; some originally identified as Apogonidae; in this report we list *H. brodiei* in the family Apogonidae for convenience, recognizing that its systematic affinities are not resolved.

Carangidae - all specimens checked; tentative and sporadic identifications to genus or species (except *Trachurus symmetricus* and *Seriola lalandi*) were lumped to family.

Seriola lalandi - all specimens checked.

Gerreidae - tentative and sporadic identifications to genus lumped to family.

Haemulidae - tentative and sporadic identifications to genus lumped to family.

Girella nigricans - all specimens checked.

Medialuna californiensis - specimen checked.

Caulolatilus princeps - all specimens checked.

Sciaenidae - tentative and sporadic identifications to genus lumped to family.

Serranidae - tentative and sporadic identifications to genus lumped to family.

Scombridae - all larvae identified to this family or constituent taxa (except *Scomber japonicus*) were reexamined and reassigned; residuals are small, poorly preserved or unavailable specimens.

Cubiceps caeruleus - specimen checked.

Psenes pellucidus - all specimens checked.

Pleuronectiformes - all specimens of this category were examined and reidentified; residuals are small, poorly preserved or unavailable specimens.

Bothidae - all specimens examined and reassigned; most were assigned to various paralichthyid genera.

Citharichthys spp. - all larvae identified to species were lumped to genus except *C. stigmaeus*; category includes larvae of *Etropus* spp.

Citharichthys stigmaeus - includes larvae larger than ca. 4.5 mm; smaller larvae are in *Citharichthys* spp.

Paralichthys californicus - all specimens examined.

Xystreurys liolepis - originally misidentified as *Paralichthys californicus*; all specimens reidentified.

Glyptocephalus zachirus - all specimens examined.

Isopsetta isolepis - specimen examined.

Lepidopsetta bilineata - specimen examined.

Microstomus pacificus - all specimens examined.

Pleuronichthys spp. - all larvae of this genus and constituent species were examined and assigned to species.

Psettichthys melanostictus - all specimens examined.

COMPUTER ENTRY AND EDITING

Each taxon on the original identification sheets was given a 3-digit code based on the list of codes in Haight et al. (1979). Taxon codes and counts from these sheets were keypunched by cruise and station, along with pertinent station and tow data and entered into the VAX 11/780 computer at the University of California, San Diego, Computing Center. After entries were completed for an entire year, print-out listings of taxa and counts on each station were compared with the original data sheets to eliminate keypunch errors. Next, data in the file were cross-checked with data on an existing file which contained: station and tow data; numbers of eggs of sardine, anchovy, and saury; numbers of larvae of sardine, anchovy, hake, jack mackerel, and Pacific mackerel; total number of fish eggs; and total number of fish larvae.

Discrepancies in ichthyoplankton data in these two files were corrected by inspecting original records from the sorting laboratory, the original ichthyoplankton identification sheets, and the samples themselves. Station and tow data discrepancies between the two files were corrected by reviewing ships' logs and deck tow sheets, original records from the sorting laboratory, cruise announcements, publications, header information on the ichthyoplankton identification sheets, and station plots generated for each cruise. Eventually all station and tow data were checked by comparing these sources.

The corrected ichthyoplankton data base was then examined statistically and outliers were found and checked as above. Distributional plots were then prepared for each taxon and these were checked by reviewing the data sources mentioned above and by examining archived specimens. A listing of each taxon by station (Table 4) was produced, which became the primary document for subsequent checks. Misidentifications found in geographic outlier checks and other misidentifications and data problems

discovered in the course of examining archived samples resulted in several iterations of Table 4. Finally, totals in Table 4 were checked against annual summaries of incidence and abundance (Tables 2 and 3). Ecological analyses of the data were conducted concurrently with editing procedures and provided cross-checks that allowed correction of errors.

SPECIES SUMMARY

Larvae of northern anchovy (*Engraulis mordax*) represented 46.1% of all fish larvae taken on CalCOFI cruises during 1978 and numbered three times as many as the gonostomatid *Vinciguerria lucetia*, the next most abundant taxon with 13.8% of the total larvae (Table 2, 3). Northern anchovy also ranked first in incidence; *Vinciguerria lucetia* ranked 3rd. Pacific hake, *Merluccius productus*, ranked 3rd in abundance (5.2%) but only 14th in occurrence. Larvae of *Sebastes* spp., a composite of about 70 species, ranked 4th in abundance (4.8%) and 2nd in occurrence. The family Sciaenidae and the deepsea smelt *Leuroglossus stilbius* ranked 5th and 6th in abundance but only 28th and 13th in occurrence, suggesting relatively large sample sizes. The myctophid *Triphoturus mexicanus* also ranked in the top 10 in both abundance (7th) and occurrence (8th). Another myctophid, *Stenobranchius leucopsarus*, ranked 8th in abundance and 11th in occurrence. Two deepsea smelts (*Bathylagus ochotensis* and *Bathylagus wesethi*) completed the 10 most numerous taxa, ranking 9th and 10th; they ranked 4th and 10th in occurrence, respectively. The 10 taxa contributed 82.3% of all larvae taken during 1978; the remaining 17.7% was represented by 162 taxa plus the unidentified and disintegrated categories. The top 10 taxa comprised 3 coastal demersal taxa, 1 coastal pelagic species, and 6 midwater species.

EXPLANATION OF TABLES

Table 1 - This table lists by cruise the pertinent station and tow data for 1978 (including November and December, 1977), the volume of water filtered and standard haul factor for each tow, the percent of sample sorted, and the total numbers of fish eggs and larvae. CalCOFI cruises are designated by four digits; the first two indicate the year and the second two the month. Within each cruise the data are listed in order of increasing line and station number (southerly and seaward directions); the order of station occupancy is shown on the station charts (Figures 2-8). Stations are designated by two groups of digits; the first set indicates the line and decimal fraction and the second set indicates the station on the line. Time is listed as Pacific Standard Time at the start of each tow in 24-hour designation. Methods for determining tow depth, volume of water strained, standard haul factor, and percent sorted were described in the methods

section. The values for total fish eggs and larvae represent raw counts (unadjusted for percent sorted or standard haul factor). Ship codes are as follows: JD, *David Starr Jordan*; VA, *Alejandro de Humboldt*.

Table 2 - This table lists pooled occurrences of all larval fish taxa taken during the 1978 survey in ranked order.

Table 3 - This table lists pooled counts of all larval fish taxa taken during the 1978 survey in ranked order. Numbers are adjusted for percent sorted and standard haul factors.

Table 4 - This table gives numbers of fish larvae for each taxon, listed by station and calendar month in which the tow was taken. Counts are adjusted for percent of sample sorted and standard haul factor. Average values are given for stations occupied more than once during a month. See Table 1 for station and tow data and Table 6 for listing of stations with multiple occupancies during a month. Multiple occupancies occurred when a station was occupied more than once during a calendar month; in some cases, multiple occupancies resulted from separate cruises. The orders are listed in "phylogenetic" sequence modified from Nelson (1984). Subtaxa within each order are listed alphabetically. Page numbers for each taxon are given in the index at the end of the report.

Table 5 - This table is a summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1972 to 1981. Taxa are listed in the same order as in Table 4.

Table 6 - List of stations with multiple occupancies in one month during 1978.

ACKNOWLEDGMENTS

The senior author originally identified larvae from CalCOFI cruise 7712. Elizabeth Stevens, Morgan Busby and Susan D'Vincent identified larvae from cruises of 1978. Ronald Whyte coded each larval fish taxon or type and Rita Ford entered them into the computer. Debby Snow efficiently assisted in all aspects of data editing and retrieval. James Ryan provided programming assistance. Dorothy Roll designed the CalCOFI data acquisition system and provided data processing support. Ken Raymond, Roy Allen, and Henry Orr helped with graphics and production of the report. Lorraine Prescott prepared the manuscript for printing. Paul Smith determined statistical outliers, provided assistance during geographical outlier checks and offered helpful suggestions throughout the project. Izadore Barrett, Director of the Southwest Fisheries Center provided support critical to the completion of the project. James Thrailkill planned CalCOFI surveys and supervised cruises, data handling, and plankton

sorting from 1949 to 1986 and is largely responsible for the high quality of these operations. Without the vision and direction of Elbert Ahlstrom and Elton Sette and the dedicated efforts of the many people who collected, processed, and analyzed the samples, this data base would not exist. During the final stages of preparing this report, Reuben Lasker succumbed to cancer. As Chief of the Coastal Fisheries Resources Division, SWFC, his encouragement and support for all of us involved in the sea surveys, sample processing, and data base and report preparation were unwavering. We dedicate this work to his memory.

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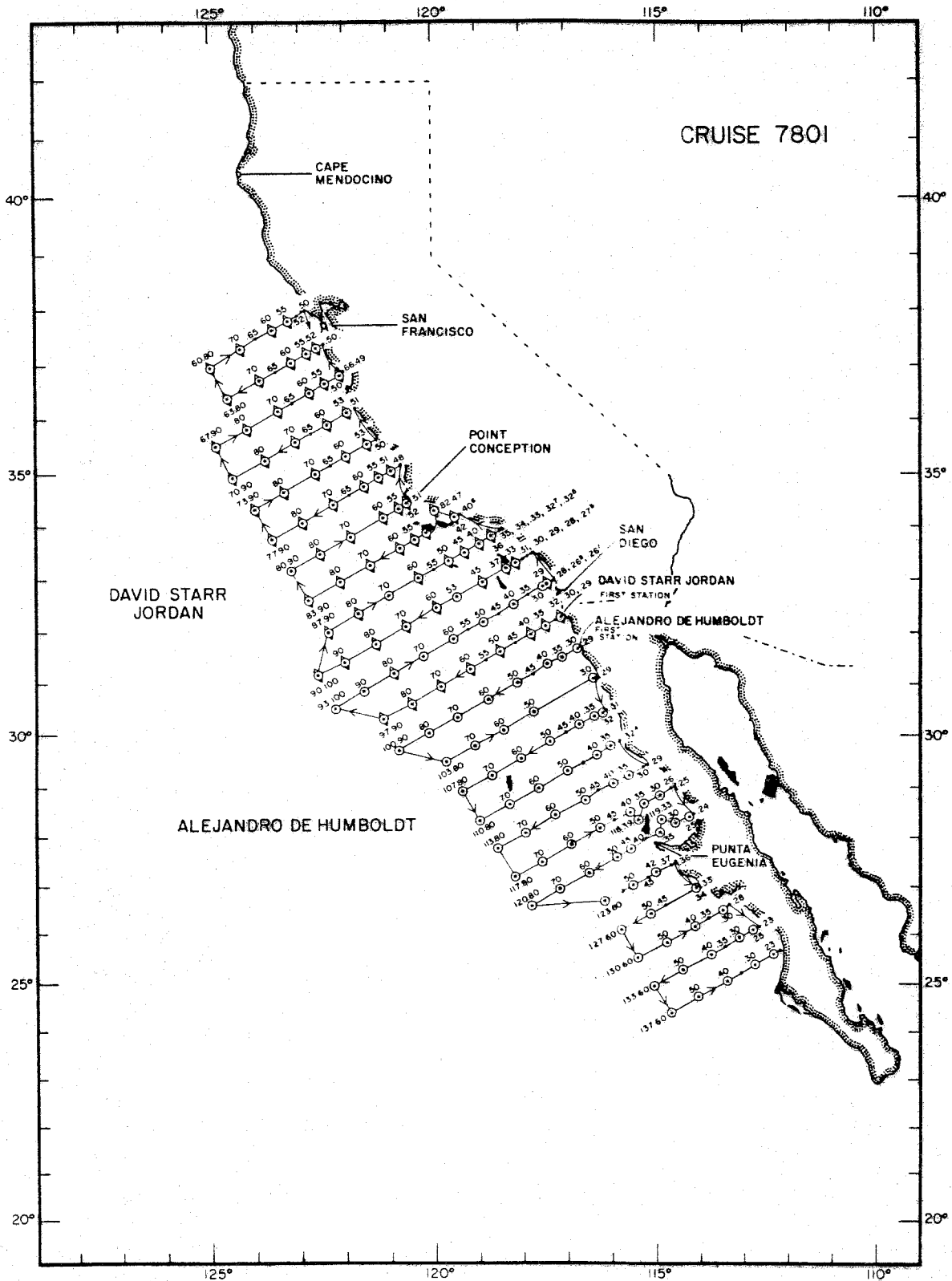


Figure 3. Station pattern for CalCOFI Cruise 7801. Symbols as in Figure 2.

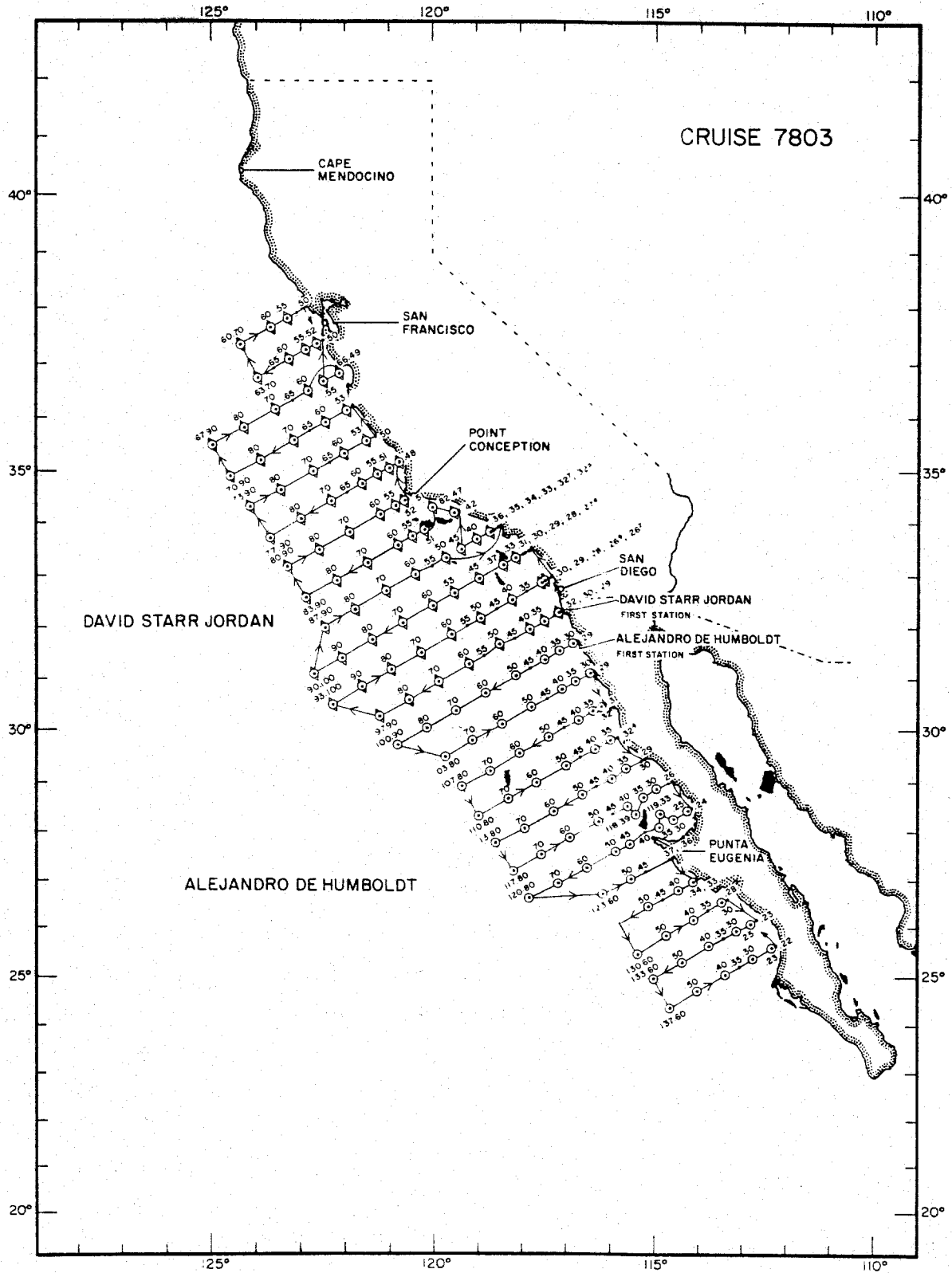


Figure 4. Station pattern for CalCOFI Cruise 7803. Symbols as in Figure 2.

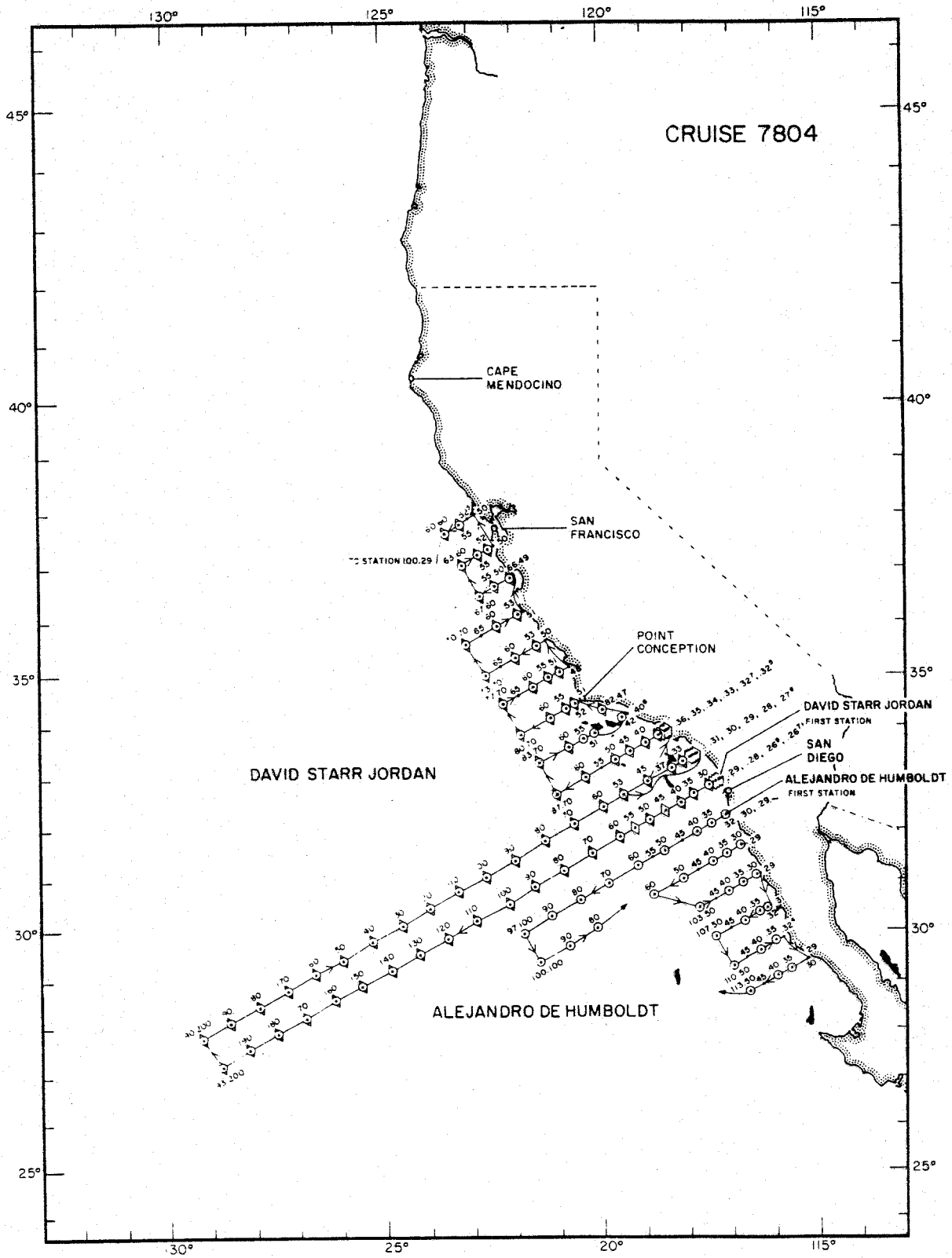


Figure 5. Station pattern for CalCOFI Cruise 7804. Symbols as in Figure 2.

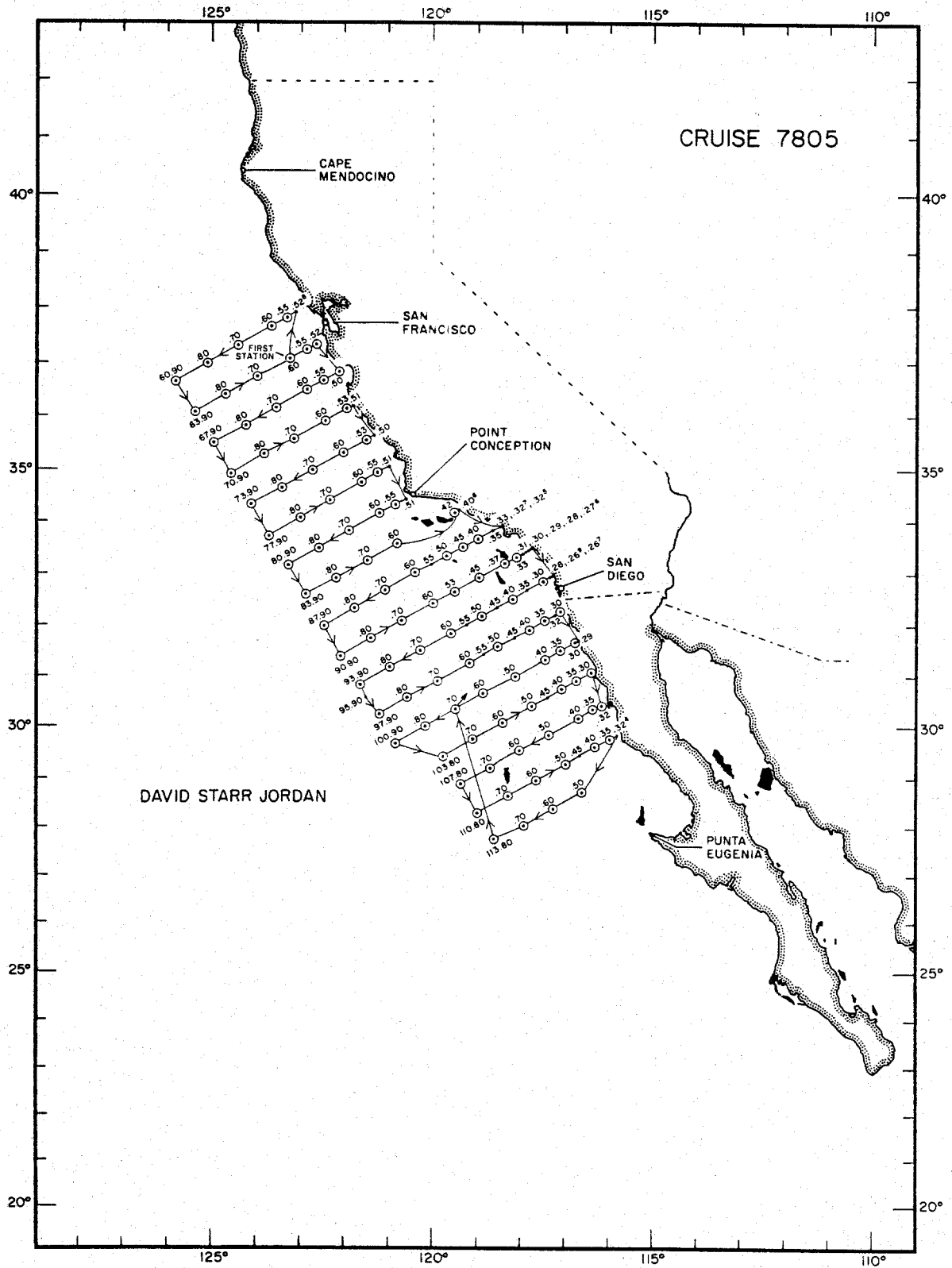


Figure 6. Station pattern for CalCOFI Cruise 7805. Symbols as in Figure 2.

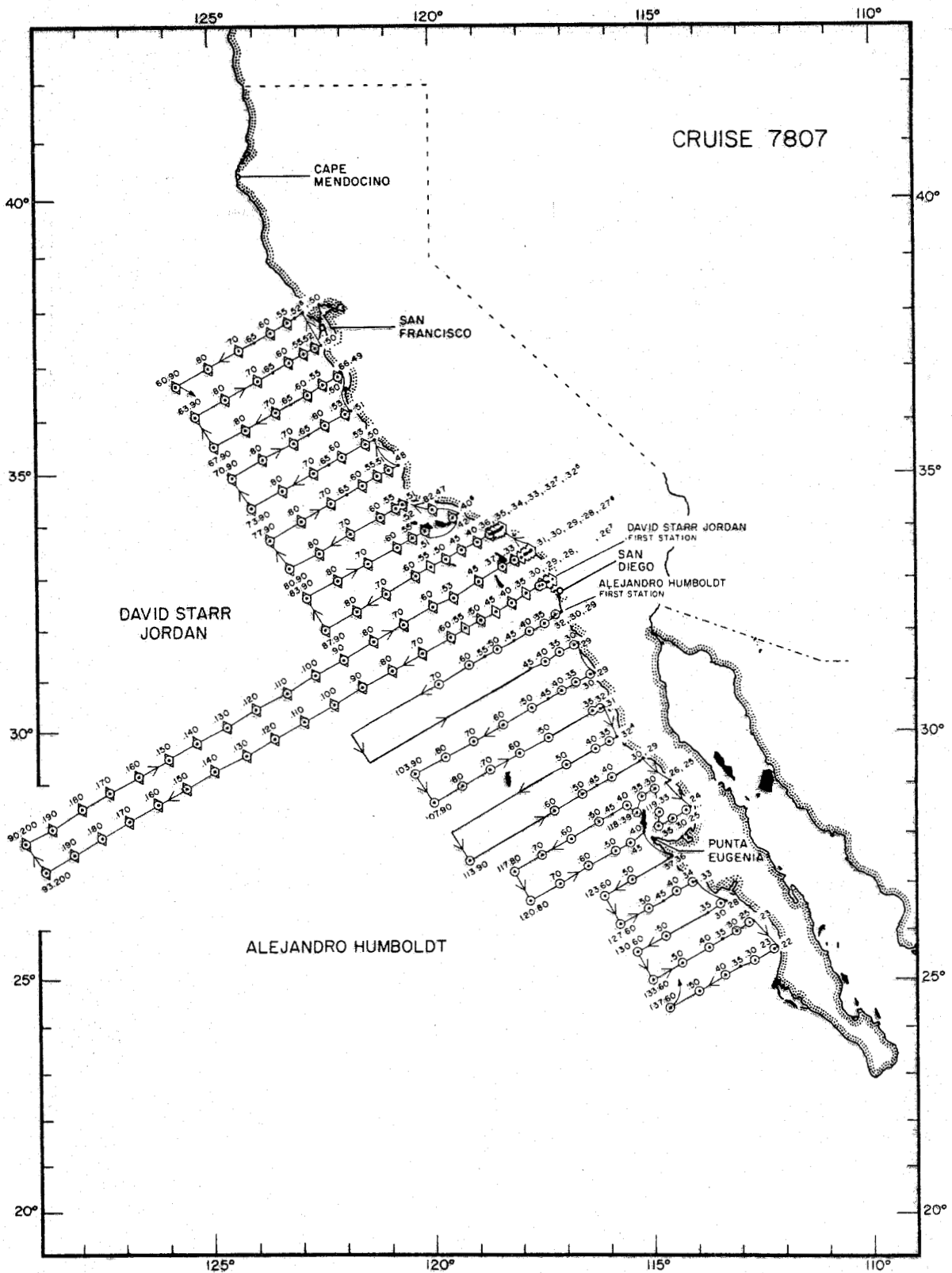


Figure 7. Station pattern for CalCOFI Cruise 7807. Symbols as in Figure 2.

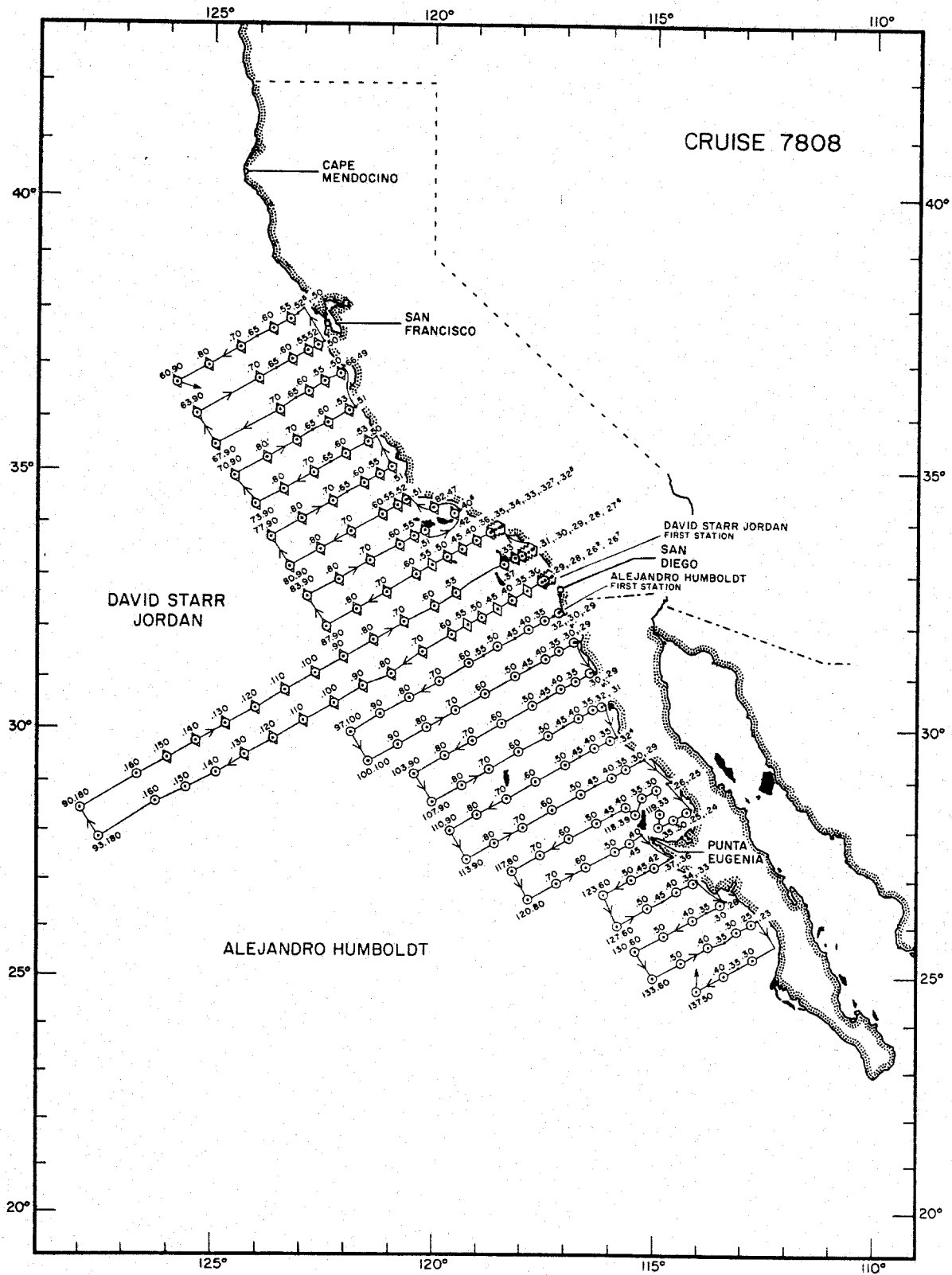


Figure 8. Station pattern for CalCOFI Cruise 7808. Symbols as in Figure 2.

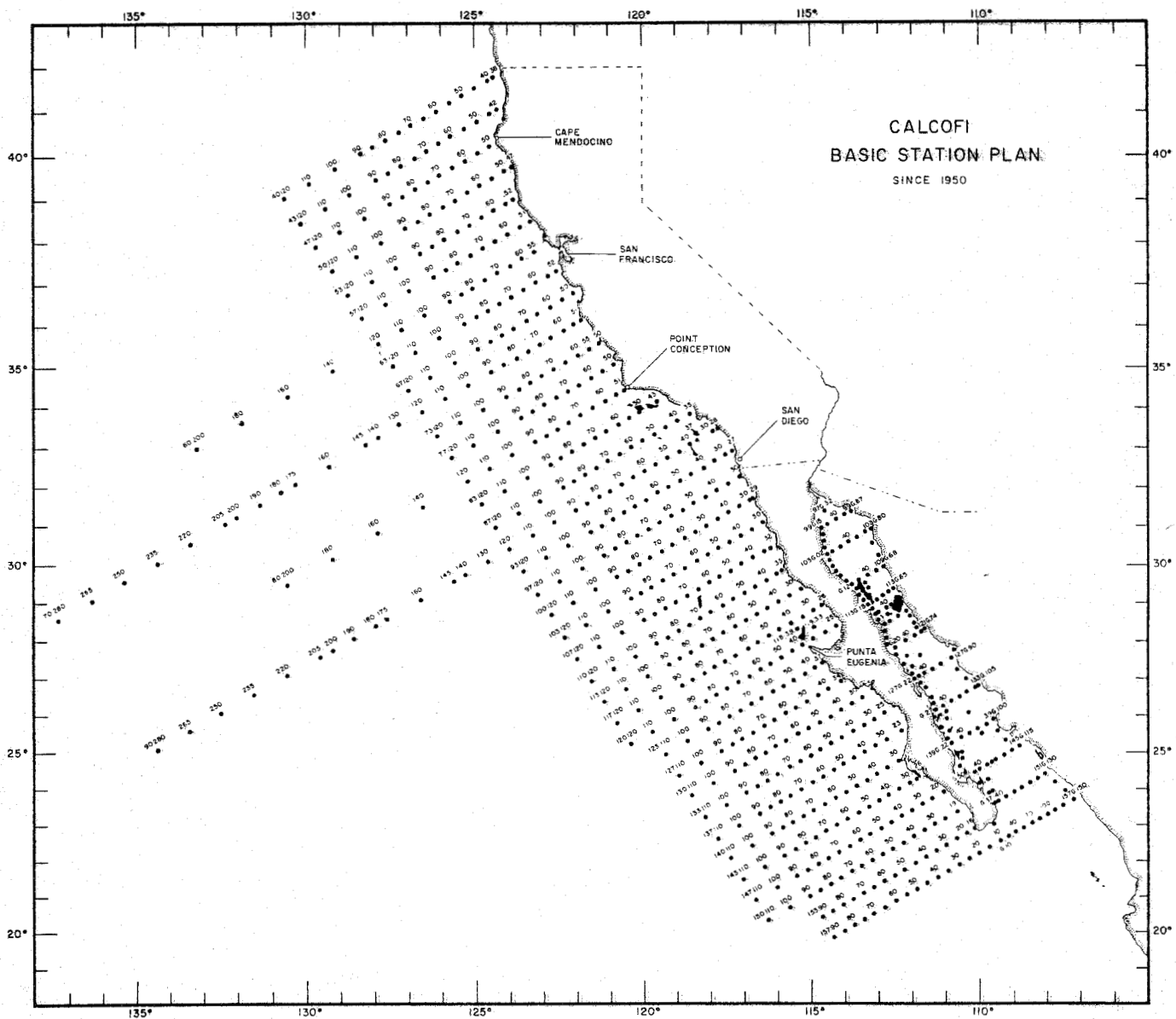


Figure 9. The basic station plan for CalCOFI cruises from 1950 to the present.

TABLE 1. Station and plankton tow data for CalCOFI cruises in 1978. Counts for fish eggs and larvae are not adjusted for standard haul factor or percent of sample sorted.

CalCOFI Cruise 7712

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
83.0	51.0	33 52.0	120 08.5	JD	77 12 19	1915	84	164	5.16	100.0	126	85
83.0	55.0	33 44.0	120 24.5	JD	77 12 19	1645	213	377	5.63	47.0	126	131
83.0	60.0	33 34.0	120 45.0	JD	77 12 19	1330	206	400	5.15	100.0	53	76
83.0	70.0	33 14.4	121 26.1	JD	77 12 19	0700	211	391	5.38	100.0	62	119
83.0	80.0	32 54.0	122 08.0	JD	77 12 19	0120	215	398	5.41	100.0	7	19
87.0	32.5	33 53.5	118 26.4	JD	77 12 17	0710	13	38	3.32	100.0	134	557
87.0	32.7	33 54.5	118 28.0	JD	77 12 17	0815	28	63	4.40	100.0	990	825
87.0	33.0	33 53.9	118 29.0	JD	77 12 17	0925	42	79	5.35	48.0	257	427
87.0	34.0	33 51.6	118 33.6	JD	77 12 17	1025	62	130	4.79	100.0	106	177
87.0	35.0	33 50.0	118 37.5	JD	77 12 17	1140	214	375	5.71	52.0	86	69
87.0	36.0	33 48.9	118 40.0	JD	77 12 17	1450	214	393	5.46	100.0	64	202
87.0	40.0	33 40.0	118 58.0	JD	77 12 17	1905	211	374	5.64	100.0	57	265
87.0	45.0	33 29.8	119 19.0	JD	77 12 17	2255	214	381	5.62	50.0	238	224
87.0	50.0	33 20.0	119 39.5	JD	77 12 18	0210	63	128	4.92	100.0	540	101
87.0	55.0	33 10.0	120 00.0	JD	77 12 18	0450	215	398	5.41	55.0	92	205
87.0	60.0	33 00.1	120 21.5	JD	77 12 18	0935	215	387	5.56	44.0	5	17
87.0	70.0	32 39.5	121 02.1	JD	77 12 18	1505	214	358	5.97	100.0	8	29
87.0	80.0	32 19.5	121 43.0	JD	77 12 18	2010	209	401	5.20	100.0	5	5
90.0	27.6	33 29.0	117 45.5	JD	77 12 17	0205	41	89	4.60	100.0	202	669
90.0	28.0	33 28.5	117 46.7	JD	77 12 17	0030	212	385	5.51	48.0	171	146
90.0	29.0	33 27.0	117 49.5	JD	77 12 16	2250	211	404	5.22	51.0	44	58
90.0	30.0	33 25.0	117 53.5	JD	77 12 16	2105	213	394	5.41	43.0	42	84
90.0	31.0	33 23.0	117 57.7	JD	77 12 16	1845	210	399	5.26	54.0	35	88
90.0	33.0	33 18.5	118 07.0	JD	77 12 16	1630	211	397	5.31	50.0	31	254
90.0	37.0	33 11.0	118 22.4	JD	77 12 16	1245	213	407	5.24	53.0	20	230
90.0	45.0	32 54.5	118 55.5	JD	77 12 16	0735	212	431	4.92	44.0	379	155
90.0	53.0	32 39.0	119 28.5	JD	77 12 16	0210	207	435	4.75	52.0	29	242
90.0	60.0	32 25.0	119 57.6	JD	77 12 15	2135	212	419	5.06	100.0	3	31
90.0	70.0	32 04.5	120 38.5	JD	77 12 15	1525	215	394	5.45	100.0	6	5
90.0	80.0	31 44.5	121 19.5	JD	77 12 15	0945	211	412	5.13	100.0	11	36
93.0	26.7	32 57.2	117 17.4	JD	77 12 13	1315	29	59	4.81	100.0	38	14
93.0	26.9	32 57.0	117 18.3	JD	77 12 13	1340	143	268	5.33	100.0	135	13
93.0	28.0	32 54.8	117 21.9	JD	77 12 13	1600	214	397	5.39	54.0	14	19
93.0	29.0	32 52.8	117 26.3	JD	77 12 13	1825	215	383	5.61	100.0	26	65
93.0	30.0	32 50.5	117 31.0	JD	77 12 13	2050	212	394	5.38	53.0	26	28
93.0	35.0	32 41.0	117 52.4	JD	77 12 14	0010	215	396	5.43	50.0	45	100
93.0	40.0	32 29.9	118 11.5	JD	77 12 14	0410	216	403	5.37	41.0	40	107
93.0	45.0	32 20.2	118 31.6	JD	77 12 14	0655	215	405	5.32	48.0	13	18
93.0	50.0	32 11.0	118 53.0	JD	77 12 14	1035	219	432	5.07	50.0	4	20
93.0	55.0	32 00.0	119 13.6	JD	77 12 14	1315	215	413	5.22	100.0	6	17
93.0	60.0	31 50.1	119 34.0	JD	77 12 14	1730	216	412	5.25	100.0	9	6
93.0	70.0	31 30.2	120 14.0	JD	77 12 14	2315	215	397	5.42	100.0	12	19
93.0	80.0	31 10.0	120 54.4	JD	77 12 15	0415	216	401	5.38	100.0	29	36
97.0	29.0	32 17.5	117 04.7	JD	77 12 12	1835	36	65	5.48	100.0	7	106

TABLE 1. (cont.)

CALCOFI Cruise 7712

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
97.0	30.0	32 16.1	117 07.1	JD	77 12 12	1745	36	60	6.00	100.0	12	33
97.0	32.0	32 11.9	117 15.4	JD	77 12 12	1505	208	403	5.17	100.0	13	32
97.0	35.0	32 05.5	117 27.4	JD	77 12 12	1310	216	389	5.37	100.0	11	32
97.0	40.0	31 56.0	117 48.0	JD	77 12 12	1000	212	407	5.45	100.0	5	16
97.0	45.0	31 46.0	118 08.5	JD	77 12 12	0650	214	407	5.25	53.0	6	0
97.0	50.0	31 36.0	118 30.6	JD	77 12 12	0320	214	396	5.41	44.0	25	7
97.0	55.0	31 25.5	118 49.6	JD	77 12 12	0010	213	410	5.18	54.0	6	4
97.0	60.0	31 15.7	119 10.0	JD	77 12 11	2120	209	399	5.23	55.0	7	4
100.0	29.0	31 42.1	116 43.9	VA	77 11 29	0225	148	274	5.42	48.0	18	21
100.0	30.0	31 40.6	116 46.3	VA	77 11 29	0541	213	405	5.25	49.0	11	2
100.0	30.0	31 40.6	116 46.3	VA	77 11 29	0630	210	654	3.22	28.1	3	1
100.0	35.0	31 30.5	117 07.0	VA	77 11 29	1025	220	381	5.76	100.0	15	17
100.0	40.0	31 21.1	117 26.9	VA	77 11 29	1430	212	383	5.54	54.0	9	1
100.0	45.0	31 10.7	117 46.7	VA	77 11 29	1725	212	422	5.04	50.0	9	1
100.0	50.0	31 00.4	118 07.0	VA	77 11 29	2225	213	420	5.07	100.0	9	15
100.0	60.0	30 40.5	118 47.5	VA	77 11 30	0524	214	402	5.32	47.0	11	11
100.0	60.0	30 40.5	118 47.5	VA	77 11 30	0330	213	769	2.76	21.9	2	11
100.0	70.0	30 20.4	119 27.5	VA	77 11 30	1137	214	422	5.07	100.0	27	23
100.0	80.0	30 01.1	120 07.0	VA	77 11 30	1935	212	726	2.91	100.0	60	60
100.0	90.0	29 39.0	120 47.0	VA	77 12 01	0705	211	810	2.60	100.0	110	30
103.0	29.0	31 07.0	116 21.0	VA	77 12 02	2305	15	87	1.71	26.0	138	722
103.0	30.0	31 06.0	116 24.5	VA	77 12 02	2215	49	213	2.30	26.5	91	16
103.0	35.0	30 56.0	116 45.0	VA	77 12 02	1900	215	663	3.24	100.0	8	7
103.0	40.0	30 46.0	117 04.5	VA	77 12 02	1540	217	662	3.27	17.1	5	2
103.0	45.0	30 36.0	117 24.0	VA	77 12 02	1230	212	737	2.88	23.1	9	5
103.0	50.0	30 26.0	117 44.3	VA	77 12 02	0935	213	717	2.97	23.1	11	1
103.0	60.0	30 06.0	118 25.0	VA	77 12 02	0352	216	704	3.08	26.3	4	6
103.0	70.0	29 46.0	119 04.7	VA	77 12 01	2145	214	723	2.95	100.0	56	20
103.0	80.0	29 26.0	119 43.0	VA	77 12 01	1540	214	765	2.80	100.0	59	53
107.0	31.0	30 27.9	116 07.2	JD	77 12 10	1320	28	63	4.48	100.0	32	30
107.0	32.0	30 25.7	116 11.0	JD	77 12 10	1510	214	384	5.58	100.0	30	10
107.0	35.0	30 21.5	116 22.4	JD	77 12 10	1745	215	400	5.37	100.0	10	23
107.0	40.0	30 11.8	116 41.0	JD	77 12 10	2050	212	396	5.36	100.0	10	10
107.0	45.0	30 01.6	117 02.9	JD	77 12 10	2310	213	408	5.21	100.0	38	14
107.0	50.0	29 50.3	117 22.2	JD	77 12 11	0225	213	411	5.18	45.0	49	3
107.0	60.0	29 32.0	118 02.0	JD	77 12 11	0820	215	389	5.53	100.0	16	31
110.0	32.4	29 51.2	115 49.7	JD	77 12 10	0910	43	97	4.42	100.0	53	0
110.0	35.0	29 46.0	116 00.0	JD	77 12 10	0710	211	400	5.27	100.0	9	5
110.0	40.0	29 36.5	116 19.6	JD	77 12 10	0350	212	428	4.94	100.0	45	7
110.0	45.0	29 26.5	116 39.5	JD	77 12 10	0000	213	406	5.25	100.0	20	8
110.0	50.0	29 16.0	116 58.0	JD	77 12 09	2115	215	397	5.41	100.0	19	4
110.0	60.0	28 56.4	117 39.0	JD	77 12 09	1620	215	405	5.31	100.0	20	101
113.0	29.0	29 24.5	115 13.5	JD	77 12 08	1330	21	49	4.31	100.0	87	141
113.0	30.0	29 22.0	115 18.0	JD	77 12 08	1430	51	110	4.65	100.0	26	6
113.0	35.0	29 11.7	115 37.9	JD	77 12 08	1815	214	417	5.14	100.0	27	6

TABLE 1. (cont.)

CalCOFI Cruise 7712

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
113.0	29 02.0	115 57.0	JD	77 12 08	2205	214	426	5.03	100.0	43	4
113.0	28 52.0	116 18.1	JD	77 12 09	0050	213	403	5.29	100.0	9	3
113.0	28 41.5	116 36.6	JD	77 12 09	0435	213	419	5.08	55.0	20	0
113.0	28 22.0	117 16.0	JD	77 12 09	0930	213	403	5.29	100.0	18	5

TABLE 1. (cont.)

CalCOFI Cruise 7801											
Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	50.0	37 57.5	122 53.1	JD	78 01 31	1645	76	4.69	100.0	6	227
60.0	52.0	37 52.5	123 03.5	JD	78 01 31	1520	154	4.96	100.0	17	31
60.0	55.0	37 47.0	123 15.0	JD	78 01 31	1355	220	5.04	48.0	197	0
60.0	60.0	37 37.0	123 37.0	JD	78 01 31	1055	363	5.78	54.0	222	19
60.0	65.0	37 28.0	123 59.0	JD	78 01 31	0710	376	5.61	56.0	248	77
60.0	70.0	37 17.0	124 21.0	JD	78 01 31	0435	355	6.08	100.0	48	80
60.0	80.0	36 57.0	125 02.0	JD	78 01 30	2305	365	5.73	100.0	48	80
63.0	50.0	37 23.3	122 27.8	JD	78 01 29	2215	34	4.12	100.0	50	167
63.0	52.0	37 19.0	122 36.5	JD	78 01 29	2340	145	5.26	100.0	218	2792
63.0	55.0	37 13.0	122 50.0	JD	78 01 30	0200	349	6.20	56.0	349	34
63.0	60.0	37 03.0	123 12.0	JD	78 01 30	0610	376	5.61	54.0	35	34
63.0	65.0	36 53.0	123 33.0	JD	78 01 30	0840	380	5.55	52.0	40	27
63.0	70.0	36 42.5	123 55.0	JD	78 01 30	1215	358	6.10	50.0	25	38
63.0	80.0	36 23.0	124 38.5	JD	78 01 30	1745	383	5.51	55.0	7	6
66.0	49.0	36 53.0	122 01.7	JD	78 01 29	1755	89	4.71	100.0	23	48
67.0	50.0	36 48.0	122 05.0	JD	78 01 29	1650	219	4.77	100.0	63	100.0
67.0	55.0	36 39.0	122 25.5	JD	78 01 29	1345	385	5.44	55.0	64	30
67.0	60.0	36 29.0	122 47.0	JD	78 01 29	0925	387	5.29	50.0	19	40
67.0	65.0	36 18.0	123 09.5	JD	78 01 29	0455	386	5.40	48.0	19	16
67.0	70.0	36 08.0	123 29.5	JD	78 01 29	0215	375	5.64	45.0	34	10
67.0	80.0	35 48.0	124 12.0	JD	78 01 28	2050	386	5.35	50.0	0	2
70.0	51.0	36 11.3	121 44.0	JD	78 01 27	0820	380	5.56	100.0	12	24
70.0	53.0	36 06.5	121 54.5	JD	78 01 27	1050	131	4.71	100.0	60	17
70.0	60.0	35 53.0	122 22.5	JD	78 01 27	1540	390	5.16	51.0	26	69
70.0	65.0	35 43.0	122 45.0	JD	78 01 27	1815	386	5.52	53.0	14	13
70.0	70.0	35 33.5	123 05.5	JD	78 01 27	2140	376	5.58	48.0	20	10
70.0	80.0	35 13.5	123 47.5	JD	78 01 28	0310	360	5.83	49.0	45	31
70.0	90.0	34 53.5	124 30.5	JD	78 01 28	0920	390	5.36	44.0	16	23
73.0	50.0	35 37.0	121 17.0	JD	78 01 27	0355	400	5.20	100.0	10	13
73.0	53.0	35 31.5	121 28.5	JD	78 01 27	0200	168	5.15	49.0	33	3
73.0	60.0	35 17.5	121 58.0	JD	78 01 26	2125	381	5.74	57.0	660	54
73.0	65.0	35 08.0	122 19.0	JD	78 01 26	1725	389	5.59	52.0	165	23
73.0	70.0	34 58.0	122 40.0	JD	78 01 26	1445	438	5.51	100.0	15	6
73.0	80.0	34 38.0	123 22.0	JD	78 01 26	0830	377	4.54	53.0	24	29
73.0	90.0	34 19.0	124 02.0	JD	78 01 26	0330	378	5.71	47.0	5	5
77.0	48.0	35 08.3	120 43.7	JD	78 01 24	1945	38	3.73	100.0	14	5
77.0	51.0	35 02.0	120 56.5	JD	78 01 24	2225	377	5.58	54.0	50	21
77.0	55.0	34 54.5	121 13.0	JD	78 01 25	0130	354	6.14	47.0	104	46
77.0	60.0	34 43.6	121 33.5	JD	78 01 25	0540	380	5.58	50.0	80	22
77.0	65.0	34 34.5	121 54.0	JD	78 01 25	0820	388	5.27	52.0	9	7
77.0	70.0	34 24.0	122 16.0	JD	78 01 25	1205	367	5.86	48.0	14	6
77.0	80.0	34 04.0	122 57.0	JD	78 01 25	1705	390	5.49	100.0	4	19
77.0	90.0	33 35.0	123 38.5	JD	78 01 25	2210	378	5.42	100.0	8	64

TABLE 1. (cont.)

CALCOFI Cruise 7801

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	51.0	34 26.0	JD	78 01 24	1453	123	214	5.75	100.0	35	39
80.0	52.0	34 24.8	JD	78 01 24	1345	217	352	6.16	100.0	268	146
80.0	55.0	34 19.0	JD	78 01 24	1115	209	374	5.58	52.0	16	25
80.0	60.0	34 08.9	JD	78 01 24	0730	207	390	5.30	55.0	1	8
80.0	70.0	33 48.0	JD	78 01 24	0040	213	386	5.52	47.0	0	8
80.0	80.0	33 28.2	JD	78 01 23	1820	214	395	5.41	48.0	9	10
80.0	90.0	33 09.0	JD	78 01 23	1230	213	389	5.49	100.0	5	22
82.0	47.0	34 16.5	JD	78 01 22	0125	210	364	5.78	54.0	169	502
83.0	40.6	34 12.5	JD	78 01 21	2005	28	55	5.08	100.0	358	1469
83.0	42.0	34 10.0	JD	78 01 21	2120	176	324	5.44	100.0	514	683
83.0	51.0	33 52.0	JD	78 01 22	0540	151	264	5.72	50.0	232	70
83.0	55.0	33 44.0	JD	78 01 22	0840	212	382	5.54	54.0	94	42
83.0	60.0	33 34.0	JD	78 01 22	1310	210	404	5.20	50.0	5	7
83.0	70.0	33 14.5	JD	78 01 22	1840	209	404	5.18	49.0	19	24
83.0	80.0	32 55.5	JD	78 01 23	0015	208	408	5.10	100.0	9	9
83.0	90.0	32 34.5	JD	78 01 23	0600	214	407	5.25	100.0	6	14
87.0	32.5	33 53.5	JD	78 01 21	0145	19	51	3.77	100.0	308	522
87.0	32.7	33 54.5	JD	78 01 21	0055	35	68	5.10	100.0	419	202
87.0	33.0	33 53.9	JD	78 01 21	0000	41	94	4.36	100.0	261	81
87.0	34.0	33 52.0	JD	78 01 20	2250	63	126	4.98	100.0	364	120
87.0	35.0	33 50.0	JD	78 01 20	2125	205	379	5.40	100.0	252	195
87.0	36.0	33 49.0	JD	78 01 20	1955	210	373	5.63	100.0	123	58
87.0	40.0	33 40.0	JD	78 01 20	1555	218	378	5.77	100.0	254	241
87.0	45.0	33 30.0	JD	78 01 20	1125	210	385	5.45	100.0	142	218
87.0	50.0	33 20.0	JD	78 01 20	0730	69	173	3.99	100.0	182	38
87.0	55.0	33 10.0	JD	78 01 20	0405	212	421	5.02	49.0	19	51
87.0	60.0	33 00.0	JD	78 01 20	0120	217	406	5.34	63.0	3	6
87.0	70.0	32 39.5	JD	78 01 19	1830	210	400	5.24	100.0	55	10
87.0	80.0	32 19.5	JD	78 01 19	1230	215	407	5.28	100.0	7	18
87.0	90.0	31 59.0	JD	78 01 19	0630	206	402	5.13	100.0	29	24
90.0	27.6	33 29.3	JD	78 01 16	1650	29	63	4.54	100.0	178	247
90.0	28.0	33 28.5	JD	78 01 16	1805	219	382	5.72	100.0	34	92
90.0	29.0	33 27.0	JD	78 01 16	2010	213	386	5.51	100.0	111	175
90.0	30.0	33 25.0	JD	78 01 16	2215	213	406	5.24	50.0	70	171
90.0	31.0	33 23.0	JD	78 01 16	2345	216	372	5.80	100.0	135	747
90.0	33.0	33 18.5	JD	78 01 17	0310	216	359	6.02	100.0	516	522
90.0	37.0	33 11.0	JD	78 01 17	0720	207	395	5.23	100.0	159	521
90.0	45.0	32 54.5	JD	78 01 17	1245	210	416	5.05	100.0	290	325
90.0	53.0	32 39.0	JD	78 01 17	1800	209	417	5.01	100.0	45	79
90.0	60.0	32 26.5	JD	78 01 17	2305	214	422	5.07	46.0	3	18
90.0	70.0	32 04.5	JD	78 01 18	0450	214	403	5.31	100.0	27	13
90.0	80.0	31 45.0	JD	78 01 18	1035	206	404	5.11	100.0	12	12
90.0	90.0	31 24.0	JD	78 01 18	1720	218	391	5.56	100.0	7	15
90.0	100.0	31 08.5	JD	78 01 18	2255	206	378	5.47	100.0	13	13
93.0	26.7	32 57.2	JD	78 01 15	2030	28	64	4.38	100.0	145	26

TABLE 1. (cont.)

CALCOFI Cruise 7801

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	26.9	32 56.8	117 18.3	JD	78 01 15	1940	62	126	4.94	100.0	270	33
93.0	28.0	32 54.7	117 21.8	JD	78 01 15	1810	203	405	5.02	41.0	117	27
93.0	29.0	32 52.7	117 26.6	JD	78 01 15	1637	214	395	5.43	100.0	77	8
93.0	30.0	32 50.5	117 31.0	JD	78 01 15	1350	221	373	5.92	100.0	94	27
93.0	35.0	32 40.5	117 51.5	JD	78 01 15	0940	210	401	5.23	100.0	299	412
93.0	40.0	32 30.0	118 11.5	JD	78 01 15	0630	211	398	5.31	100.0	205	266
93.0	45.0	32 20.0	118 32.0	JD	78 01 15	0230	217	435	4.98	45.0	15	77
93.0	50.0	32 10.0	118 52.5	JD	78 01 14	2320	205	416	4.92	100.0	23	7
93.0	55.0	32 00.5	119 13.5	JD	78 01 14	1925	210	401	5.25	100.0	10	16
93.0	60.0	31 50.0	119 34.0	JD	78 01 14	1635	221	377	5.86	56.0	2	3
93.0	70.0	31 30.0	120 14.0	JD	78 01 14	0930	185	469	3.93	100.0	9	8
93.0	80.0	31 10.0	120 54.5	JD	78 01 14	0410	208	454	4.59	100.0	23	16
93.0	90.0	30 50.0	121 34.5	JD	78 01 13	2235	212	400	5.29	100.0	10	23
93.0	100.0	30 30.0	122 14.0	JD	78 01 13	1640	218	388	5.61	100.0	7	41
97.0	29.0	32 17.5	117 04.7	JD	78 01 05	1355	35	76	4.67	100.0	94	17
97.0	30.0	32 16.0	117 07.0	JD	78 01 06	1855	51	110	4.64	100.0	205	84
97.0	32.0	32 12.0	117 15.0	JD	78 01 06	2110	208	382	5.45	58.0	8	212
97.0	35.0	32 06.0	117 27.5	JD	78 01 11	1500	208	421	4.94	100.0	147	142
97.0	40.0	31 56.0	117 48.0	JD	78 01 11	2130	210	383	5.49	100.0	323	81
97.0	45.0	31 46.0	118 08.5	JD	78 01 12	0010	212	385	5.50	53.0	49	38
97.0	50.0	31 36.0	118 30.5	JD	78 01 12	0535	214	392	5.45	53.0	21	14
97.0	55.0	31 25.5	118 49.5	JD	78 01 12	0810	201	418	4.81	100.0	19	38
97.0	60.0	31 15.5	119 10.0	JD	78 01 12	1400	214	378	5.65	100.0	15	39
97.0	70.0	30 55.0	119 51.0	JD	78 01 12	2005	207	414	5.00	100.0	37	45
97.0	80.0	30 35.0	120 31.0	JD	78 01 13	0155	209	414	5.06	100.0	12	17
97.0	90.0	30 16.5	121 09.0	JD	78 01 13	0840	206	424	4.86	100.0	16	30
100.0	29.0	31 42.2	116 43.4	VA	78 01 07	0430	213	408	5.23	100.0	236	24
100.0	30.0	31 40.5	116 46.5	VA	78 01 07	1900	210	434	4.83	100.0	113	15
100.0	35.0	31 30.5	117 07.0	VA	78 01 07	2325	212	398	5.32	100.0	18	10
100.0	40.0	31 21.0	117 26.9	VA	78 01 08	0355	211	438	4.81	100.0	20	54
100.0	45.0	31 10.0	117 46.0	VA	78 01 08	0740	209	417	5.02	100.0	19	4
100.0	50.0	31 00.5	118 07.0	VA	78 01 08	1135	213	392	5.45	100.0	25	22
100.0	60.0	30 40.4	118 47.5	VA	78 01 08	1845	211	415	5.08	48.0	18	22
100.0	70.0	30 20.5	119 27.5	VA	78 01 09	0020	207	454	4.57	100.0	70	27
100.0	80.0	30 01.0	120 07.0	VA	78 01 09	0620	211	457	4.63	100.0	72	52
100.0	90.0	29 40.5	120 47.0	VA	78 01 09	1325	206	455	4.53	100.0	42	22
103.0	29.0	31 07.0	116 21.0	VA	78 01 11	0815	22	53	4.11	100.0	69	540
103.0	30.0	31 06.0	116 24.5	VA	78 01 11	0715	47	144	3.29	100.0	176	238
103.0	50.0	30 26.0	117 44.5	VA	78 01 10	1645	186	491	3.80	100.0	22	39
103.0	60.0	30 05.9	118 24.9	VA	78 01 10	1100	210	452	4.65	100.0	26	40
103.0	70.0	29 46.2	119 04.8	VA	78 01 10	0345	207	480	4.30	100.0	39	37
103.0	80.0	29 26.5	119 42.9	VA	78 01 09	2150	209	441	4.74	100.0	108	25
107.0	31.0	30 27.8	116 07.0	VA	78 01 11	1320	42	115	3.62	100.0	33	49
107.0	32.0	30 25.7	116 11.0	VA	78 01 11	1600	199	474	4.19	100.0	17	25
107.0	35.0	30 21.5	116 22.5	VA	78 01 11	1855	211	428	4.92	53.0	20	25

TABLE 1. (cont.)

CALCOFI Cruise 7801

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
107.0	30 11.0	116 42.0	VA	78 01 11	2230	215	404	5.33	100.0	10	4
107.0	30 01.5	117 02.0	VA	78 01 12	0225	210	441	4.76	100.0	44	8
107.0	29 50.4	117 22.0	VA	78 01 12	0620	210	448	4.67	100.0	29	61
107.0	29 32.0	118 01.5	VA	78 01 12	1345	213	409	5.21	100.0	34	11
107.0	29 11.0	118 41.0	VA	78 01 12	1955	214	348	6.15	100.0	67	20
107.0	28 51.5	119 20.0	VA	78 01 13	0035	213	399	5.35	100.0	50	18
110.0	29 51.2	115 49.6	VA	78 01 14	1410	21	50	4.25	100.0	72	162
110.0	29 46.0	116 00.0	VA	78 01 14	1200	214	372	5.75	100.0	26	22
110.0	29 36.5	116 19.4	VA	78 01 14	0855	211	371	5.69	100.0	23	17
110.0	29 26.5	116 39.5	VA	78 01 14	0435	209	447	4.67	52.0	13	10
110.0	29 16.4	116 59.1	VA	78 01 14	0135	211	413	5.11	46.0	14	4
110.0	28 56.4	117 38.9	VA	78 01 13	2010	211	370	5.70	100.0	110	34
110.0	28 36.5	118 18.0	VA	78 01 13	1420	211	401	5.26	100.0	102	16
110.0	28 16.5	118 57.5	VA	78 01 13	0740	203	405	5.00	100.0	44	21
113.0	29 24.5	115 13.5	VA	78 01 18	0620	20	63	3.25	100.0	156	249
113.0	29 22.0	115 18.0	VA	78 01 18	0720	55	143	3.87	100.0	110	10
113.0	29 11.5	115 38.5	VA	78 01 18	1210	210	494	4.25	100.0	27	20
113.0	29 02.0	115 57.0	VA	78 01 18	1530	212	449	4.73	100.0	43	3
113.0	28 52.0	116 18.0	VA	78 01 18	1810	207	489	4.23	100.0	28	0
113.0	28 41.5	116 36.5	VA	78 01 18	2220	214	400	5.35	100.0	31	6
113.0	28 22.0	117 16.0	VA	78 01 19	0445	211	479	4.41	100.0	76	160
113.0	28 02.0	117 55.0	VA	78 01 19	1025	213	445	4.78	100.0	11	24
113.0	27 42.0	118 33.5	VA	78 01 19	1650	201	513	3.92	100.0	39	59
117.0	28 58.0	114 35.0	VA	78 01 21	1250	28	67	4.21	100.0	176	613
117.0	28 56.0	114 41.5	VA	78 01 21	1155	63	146	4.30	100.0	310	9532
117.0	28 48.0	114 56.5	VA	78 01 21	0945	85	179	4.77	100.0	7	957
117.0	28 38.0	115 16.0	VA	78 01 21	0645	171	360	4.73	100.0	45	36
117.0	28 28.0	115 35.5	VA	78 01 21	0040	209	487	4.29	100.0	10	2
117.0	28 18.0	115 56.0	VA	78 01 20	2020	211	451	4.67	100.0	5	13
117.0	28 08.0	116 15.0	VA	78 01 20	1725	204	509	4.01	100.0	33	0
117.0	27 48.0	116 53.0	VA	78 01 20	1200	214	472	4.54	100.0	19	17
117.0	27 27.5	117 32.5	VA	78 01 20	0445	197	504	3.90	100.0	82	24
117.0	27 08.0	118 10.0	VA	78 01 19	2215	211	481	4.40	100.0	70	61
118.0	28 18.5	115 23.7	VA	78 01 21	0320	204	416	4.89	100.0	10	42
119.0	28 19.0	114 53.0	VA	78 01 22	0020	90	207	4.36	100.0	123	2245
120.0	28 25.0	114 15.0	VA	78 01 21	1730	29	73	3.95	100.0	75	2361
120.0	28 15.0	114 15.0	VA	78 01 21	1845	50	130	3.89	100.0	107	145
120.0	28 13.0	114 34.0	VA	78 01 21	2150	78	191	4.09	100.0	152	44
120.0	28 03.0	114 54.0	VA	78 01 22	0351	77	174	4.44	100.0	20	8
120.0	27 56.5	115 14.0	VA	78 01 22	0615	43	117	3.69	100.0	132	64
120.0	27 43.0	115 33.0	VA	78 01 22	0925	214	402	5.31	100.0	49	7
120.0	27 33.0	115 52.5	VA	78 01 22	1310	210	404	5.20	100.0	41	8
120.0	27 13.0	116 30.5	VA	78 01 22	1850	209	401	5.21	100.0	24	4
120.0	26 53.0	117 10.0	VA	78 01 23	0005	208	419	4.96	100.0	22	8
120.0	26 32.4	117 49.0	VA	78 01 23	0600	210	404	5.19	100.0	41	4

TABLE 1. (cont.)

CALCOFI Cruise 7801

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
123.0	27 26.2	114 36.0	VA	78 01 24	1005	43	93	4.57	100.0	106	60
123.0	27 24.0	114 40.0	VA	78 01 24	0835	64	137	4.69	100.0	35	28
123.0	27 14.0	114 59.0	VA	78 01 24	0535	216	473	4.57	100.0	40	12
123.0	27 08.0	115 11.5	VA	78 01 24	0145	211	439	4.80	100.0	128	75
123.0	26 58.0	115 31.0	VA	78 01 23	2240	206	430	4.79	100.0	262	27
123.0	26 38.5	116 09.0	VA	78 01 23	1720	212	409	5.18	100.0	44	25
127.0	26 57.5	114 02.2	VA	78 01 24	1535	57	123	4.67	100.0	7	99
127.0	26 55.0	114 06.6	VA	78 01 24	1710	66	155	4.23	100.0	113	1000
127.0	26 33.0	114 48.5	VA	78 01 24	2320	214	453	4.73	100.0	14	21
127.0	26 23.0	115 08.0	VA	78 01 25	0310	215	470	4.57	100.0	49	213
127.0	26 03.5	115 46.5	VA	78 01 25	0845	214	455	4.71	100.0	3	12
130.0	26 33.0	113 21.0	VA	78 01 26	1105	49	106	4.62	100.0	366	189
130.0	26 29.0	113 29.0	VA	78 01 26	0940	73	149	4.86	100.0	89	1123
130.0	26 19.0	113 48.0	VA	78 01 26	0625	209	396	5.27	100.0	450	580
130.0	26 09.0	114 07.0	VA	78 01 26	0325	212	423	5.02	100.0	14	6
130.0	25 49.0	114 45.0	VA	78 01 25	2115	211	415	5.09	100.0	36	76
130.0	25 29.0	115 24.0	VA	78 01 25	1515	212	464	4.58	100.0	63	19
133.0	26 08.5	112 40.2	VA	78 01 26	1555	64	127	5.03	100.0	516	57
133.0	25 54.5	113 07.5	VA	78 01 26	1745	77	148	5.23	100.0	317	480
133.0	25 44.5	113 26.5	VA	78 01 26	2050	183	348	5.27	100.0	174	86
133.0	25 34.5	113 45.5	VA	78 01 26	2330	210	396	5.29	100.0	200	259
133.0	25 14.5	114 24.0	VA	78 01 27	0310	214	359	5.95	100.0	90	27
133.0	24 54.5	115 02.0	VA	78 01 27	0935	210	385	5.45	100.0	38	105
137.0	25 36.1	112 14.8	VA	78 01 28	2110	42	96	5.32	100.0	97	8
137.0	25 34.0	112 19.0	VA	78 01 28	2020	63	138	4.40	100.0	418	193
137.0	25 20.0	112 46.0	VA	78 01 28	1650	214	388	5.51	100.0	802	219
137.0	25 10.0	113 04.5	VA	78 01 28	1250	215	401	5.36	100.0	254	149
137.0	25 00.0	113 23.6	VA	78 01 28	0940	215	435	4.94	100.0	89	17
137.0	24 40.0	114 02.0	VA	78 01 28	0230	216	394	5.48	100.0	42	42
137.0	24 20.0	114 39.5	VA	78 01 27	2130	212	381	5.56	100.0	107	163

TABLE 1. (cont.)

CALCOFI Cruise 7803

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	37 57.5	122 53.1	JD	78 03 15	0820	34	76	4.42	100.0	94	245
60.0	37 52.5	123 02.5	JD	78 03 15	0645	73	145	5.01	50.0	29	30
60.0	37 47.0	123 15.0	JD	78 03 15	0445	208	378	5.51	50.0	52	50
60.0	37 37.4	123 37.0	JD	78 03 15	0020	217	364	5.96	54.0	8	3
60.0	37 19.0	124 17.5	JD	78 03 14	1750	207	388	5.34	69.0	3	14
63.0	37 23.2	122 27.8	JD	78 03 13	1750	19	52	3.61	100.0	105	616
63.0	37 19.0	122 36.0	JD	78 03 13	1920	72	157	4.61	59.0	207	462
63.0	37 13.0	122 50.0	JD	78 03 13	2210	197	413	4.78	48.0	174	344
63.0	37 03.0	123 12.0	JD	78 03 14	0300	211	381	5.53	54.0	16	9
63.0	36 53.0	123 33.0	JD	78 03 14	0559	207	429	4.82	51.0	10	36
63.0	36 43.0	123 55.0	JD	78 03 14	1015	216	392	5.51	48.0	19	51
66.0	36 53.0	122 07.7	JD	78 03 13	0705	49	101	4.82	100.0	21	420
67.0	36 48.0	122 05.0	JD	78 03 13	0904	217	359	6.04	47.0	35	18
67.0	36 39.0	122 26.0	JD	78 03 13	1252	214	406	5.91	45.0	30	265
67.0	36 28.0	122 47.0	JD	78 03 11	1610	214	362	5.28	36.0	22	29
67.0	36 18.0	123 08.0	JD	78 03 11	1150	207	358	5.77	48.0	29	25
67.0	36 08.0	123 29.5	JD	78 03 11	0910	213	362	5.89	59.0	22	21
67.0	35 48.0	124 12.0	JD	78 03 11	0315	197	403	4.88	59.0	16	25
67.0	35 28.0	124 55.0	JD	78 03 10	2105	214	412	5.18	100.0	17	13
70.0	36 11.3	121 43.9	JD	78 03 09	0953	108	191	5.64	52.0	23	33
70.0	36 06.5	121 54.0	JD	78 03 09	1252	214	407	5.27	48.0	18	20
70.0	35 53.0	122 22.5	JD	78 03 09	1810	208	451	4.62	50.0	17	10
70.0	35 43.0	122 44.7	JD	78 03 09	2120	212	417	5.08	49.0	3	63
70.0	35 33.0	123 06.0	JD	78 03 10	0120	211	394	5.37	51.0	15	94
70.0	35 12.0	123 49.0	JD	78 03 10	0832	207	486	4.25	100.0	9	160
70.0	34 53.0	124 30.0	JD	78 03 10	1420	215	388	5.55	100.0	38	227
73.0	35 37.0	121 17.0	JD	78 03 09	0530	83	163	5.12	52.0	221	3
73.0	35 31.5	121 28.5	JD	78 03 09	0340	210	365	5.76	50.0	67	88
73.0	35 17.5	121 58.0	JD	78 03 08	2255	214	404	5.29	53.0	251	61
73.0	35 08.0	122 18.0	JD	78 03 08	1840	198	422	4.67	51.0	110	48
73.0	34 58.0	122 40.0	JD	78 03 08	1540	207	433	4.78	59.0	9	35
73.0	34 38.2	123 22.0	JD	78 03 08	0935	209	400	5.22	49.0	7	454
73.0	34 18.5	124 04.0	JD	78 03 08	0345	205	411	4.98	100.0	287	214
77.0	35 08.3	120 43.7	JD	78 03 06	1640	21	46	4.54	100.0	139	31
77.0	35 02.0	120 56.5	JD	78 03 06	1945	213	398	5.35	49.0	133	92
77.0	34 54.5	121 13.2	JD	78 03 06	2303	215	371	5.81	57.0	61	54
77.0	34 44.0	121 34.0	JD	78 03 07	0352	210	366	5.73	46.0	159	107
77.0	34 34.0	121 55.0	JD	78 03 07	0615	212	365	5.82	53.0	104	195
77.0	34 24.0	122 16.1	JD	78 03 07	1000	211	379	5.57	50.0	31	188
77.0	34 04.0	122 57.0	JD	78 03 07	1555	210	384	5.45	49.0	71	70
77.0	33 42.2	123 37.2	JD	78 03 07	2153	213	388	5.49	100.0	43	58
80.0	34 26.1	120 32.4	JD	78 03 06	1135	93	187	4.96	100.0	452	182
80.0	34 24.8	120 35.8	JD	78 03 06	1020	206	397	5.18	100.0	398	201
80.0	34 19.0	120 48.0	JD	78 03 06	0730	214	385	5.56	52.0	62	245
80.0	34 09.0	121 09.0	JD	78 03 06	0315	215	399	5.40	54.0	281	452

TABLE 1. (cont.)

CalCOFI Cruise 7803

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs	
80.0	70.0	33 48.5	121 51.0	JD	78 03 05	2035	214	394	5.43	61.0	25	37
80.0	80.0	33 28.7	122 32.0	JD	78 03 05	1440	208	415	5.02	48.0	18	32
80.0	90.0	33 09.0	123 15.0	JD	78 03 05	0841	217	400	5.44	100.0	10	4
82.0	47.0	34 16.5	119 59.0	JD	78 03 03	1435	212	361	5.88	55.0	190	84
83.0	42.0	34 10.0	119 29.5	JD	78 03 03	0945	84	158	5.30	100.0	586	233
83.0	51.0	33 52.0	120 08.5	JD	78 03 03	1925	83	195	4.26	100.0	159	14
83.0	55.0	33 44.0	120 24.5	JD	78 03 03	2255	191	464	4.12	51.0	196	341
83.0	60.0	33 34.0	120 45.0	JD	78 03 04	0440	211	447	4.71	48.0	12	74
83.0	70.0	33 14.5	121 26.0	JD	78 03 04	1206	216	433	4.98	50.0	28	613
83.0	80.0	32 54.0	122 08.0	JD	78 03 04	1921	212	424	5.01	100.0	23	38
83.0	90.0	32 34.5	122 50.0	JD	78 03 05	0140	215	436	4.94	100.0	14	17
87.0	32.5	33 53.5	118 26.5	JD	78 03 02	0925	35	35	4.03	100.0	485	413
87.0	32.7	33 54.7	118 28.4	JD	78 03 02	1035	28	57	4.82	100.0	457	379
87.0	33.0	33 53.9	118 29.5	JD	78 03 02	1130	42	78	5.45	100.0	1475	473
87.0	34.0	33 52.0	118 33.2	JD	78 03 02	1250	61	139	4.42	100.0	828	565
87.0	35.0	33 50.0	118 37.5	JD	78 03 02	1423	218	343	6.37	100.0	1006	712
87.0	36.0	33 49.0	118 40.0	JD	78 03 02	1732	207	371	5.56	100.0	783	1311
87.0	40.0	33 40.0	118 58.0	JD	78 03 02	2145	214	367	5.82	100.0	799	869
87.0	45.0	33 30.0	119 19.0	JD	78 03 03	0229	218	367	5.94	100.0	449	413
87.0	50.0	33 20.0	119 39.5	JD	78 02 28	1253	59	195	3.02	100.0	35	24
87.0	55.0	33 10.0	120 00.0	JD	78 02 28	0910	216	360	5.99	100.0	52	119
87.0	60.0	33 00.0	120 21.5	JD	78 02 28	0610	210	369	5.69	47.0	17	65
87.0	70.0	32 39.8	121 02.0	JD	78 02 27	2259	212	369	5.75	100.0	137	99
87.0	80.0	32 20.0	121 42.0	JD	78 02 27	1718	206	363	5.68	100.0	28	16
87.0	90.0	31 59.0	122 24.0	JD	78 02 27	1150	216	362	5.98	100.0	10	17
90.0	27.6	33 29.3	117 45.5	JD	78 02 24	1807	35	66	5.31	100.0	360	242
90.0	28.0	33 28.5	117 46.7	JD	78 02 24	1921	212	363	5.84	53.0	237	48
90.0	29.0	33 27.0	117 49.5	JD	78 02 24	2100	212	356	5.98	43.0	319	57
90.0	30.0	33 25.0	117 53.5	JD	78 02 24	2309	211	352	6.01	55.0	222	35
90.0	31.0	33 23.0	117 57.7	JD	78 02 25	0045	214	344	6.22	50.0	935	473
90.0	33.0	33 18.5	118 07.0	JD	78 02 25	0615	210	361	5.81	47.0	1470	344
90.0	37.0	33 11.0	118 22.5	JD	78 02 25	1035	214	362	5.91	50.0	1090	339
90.0	45.0	32 54.5	118 55.5	JD	78 02 25	1640	209	359	5.81	52.0	127	483
90.0	53.0	32 39.0	119 28.5	JD	78 02 25	2235	209	348	6.01	100.0	218	224
90.0	60.0	32 25.0	119 57.5	JD	78 02 26	0450	209	354	5.90	48.0	312	956
90.0	70.0	32 05.0	120 39.0	JD	78 02 26	0956	210	359	5.86	100.0	126	41
90.0	80.0	31 44.5	121 19.5	JD	78 02 26	1625	215	370	5.82	100.0	34	14
90.0	90.0	31 24.0	122 01.3	JD	78 02 26	2219	213	360	5.91	100.0	36	23
90.0	100.0	31 05.0	122 39.0	JD	78 02 27	0420	208	380	5.48	100.0	30	34
93.0	26.7	32 57.2	117 17.5	JD	78 02 23	1115	14	31	4.46	100.0	230	183
93.0	26.9	32 56.8	117 18.5	JD	78 02 23	1005	56	102	5.45	100.0	398	213
93.0	28.0	32 54.8	117 21.8	JD	78 02 23	0830	210	356	5.90	100.0	441	127
93.0	29.0	32 52.7	117 26.6	JD	78 02 23	0700	210	349	6.02	100.0	119	105
93.0	30.0	32 50.5	117 31.0	JD	78 02 23	0355	209	358	5.83	46.0	672	488
93.0	35.0	32 40.5	117 51.5	JD	78 02 22	2330	208	358	5.82	57.0	636	520

TABLE 1. (cont.)

CALCOFI Cruise 7803

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	40.0	32 30.0	JD	78 02 22	2015	205	364	5.64	100.0	408	270
93.0	45.0	32 20.0	JD	78 02 22	1538	213	361	5.90	48.0	85	192
93.0	55.0	32 10.0	JD	78 02 22	1151	214	350	6.12	100.0	46	27
93.0	50.0	32 01.0	JD	78 02 22	0720	214	288	7.44	100.0	22	8
93.0	60.0	31 50.5	JD	78 02 22	0425	211	391	5.40	100.0	34	21
93.0	70.0	31 30.0	JD	78 02 21	2130	209	384	5.45	100.0	35	31
93.0	80.0	31 10.0	JD	78 02 21	1600	213	368	5.80	100.0	126	33
93.0	90.0	30 50.0	JD	78 02 21	0910	211	332	6.35	100.0	22	24
93.0	100.0	30 30.0	JD	78 02 21	0340	213	389	5.48	100.0	47	29
97.0	29.0	32 17.5	JD	78 02 18	2310	28	60	4.71	100.0	398	71
97.0	30.0	32 16.0	JD	78 02 19	0050	42	82	5.07	100.0	266	300
97.0	32.0	32 12.0	JD	78 02 19	0210	212	364	5.85	100.0	420	606
97.0	35.0	32 05.5	JD	78 02 19	0545	208	366	5.67	100.0	30	76
97.0	40.0	31 56.0	JD	78 02 19	1130	204	361	5.66	55.0	217	114
97.0	45.0	31 46.0	JD	78 02 19	1405	212	353	6.00	100.0	276	120
97.0	50.0	31 38.5	JD	78 02 19	1845	209	352	5.92	100.0	494	72
97.0	55.0	31 25.5	JD	78 02 19	2123	209	353	5.91	54.0	46	16
97.0	60.0	31 15.5	JD	78 02 20	0215	217	359	6.03	100.0	50	26
97.0	70.0	30 55.5	JD	78 02 20	0814	205	376	5.46	100.0	18	33
97.0	80.0	30 35.0	JD	78 02 20	1425	217	375	5.79	100.0	24	29
97.0	90.0	30 15.5	JD	78 02 20	1955	209	387	5.41	100.0	118	31
100.0	29.0	31 42.2	VA	78 02 18	0820	211	405	5.19	100.0	103	6
100.0	30.0	31 40.5	VA	78 02 18	1030	213	402	5.30	100.0	316	10
100.0	35.0	31 30.5	VA	78 02 18	1410	198	393	5.05	100.0	19	8
100.0	40.0	31 21.0	VA	78 02 18	1745	216	399	5.40	100.0	14	18
100.0	45.0	31 10.5	VA	78 02 18	2025	210	393	5.33	100.0	35	6
100.0	50.0	31 00.5	VA	78 02 19	0020	217	439	4.92	100.0	59	11
100.0	60.0	30 40.5	VA	78 02 19	0610	213	378	5.65	100.0	18	22
100.0	70.0	30 20.5	VA	78 02 19	1230	209	399	5.24	100.0	12	38
100.0	80.0	30 01.0	VA	78 02 19	1815	213	379	5.60	100.0	15	22
100.0	90.0	29 40.5	VA	78 02 19	2350	216	371	5.81	100.0	37	48
103.0	29.0	31 07.0	VA	78 02 21	1355	8	35	2.33	100.0	15	927
103.0	30.0	31 06.0	VA	78 02 21	1300	50	107	4.64	100.0	144	49
103.0	35.0	30 56.0	VA	78 02 21	1010	214	389	5.52	100.0	9	29
103.0	40.0	30 46.0	VA	78 02 21	0700	213	384	5.56	100.0	93	1309
103.0	45.0	30 36.0	VA	78 02 21	0305	222	436	5.09	100.0	40	5
103.0	50.0	30 26.0	VA	78 02 20	2330	213	428	4.96	100.0	20	5
103.0	60.0	30 06.0	VA	78 02 20	1810	211	390	5.42	50.0	21	14
103.0	70.0	29 46.2	VA	78 02 20	1225	211	414	5.08	100.0	30	32
103.0	80.0	29 26.5	VA	78 02 20	0740	207	407	5.08	100.0	53	65
107.0	31.0	30 24.8	VA	78 02 21	1820	108	200	5.39	100.0	910	291
107.0	32.0	30 25.8	VA	78 02 21	1945	214	389	5.50	50.0	62	1311
107.0	35.0	30 21.5	VA	78 02 21	2230	215	392	5.49	100.0	23	16
107.0	40.0	30 11.0	VA	78 02 22	0200	214	397	5.40	100.0	33	14
107.0	45.0	30 01.5	VA	78 02 22	0435	218	395	5.53	100.0	9	14

TABLE 1. (cont.)

CALCOFI Cruise 7803

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
107.0	29 50.5	117 22.0	VA	78 02 22	0755	210	396	5.29	53.0	22	11
107.0	29 32.0	118 01.5	VA	78 02 22	1335	215	392	5.48	100.0	13	33
107.0	29 11.0	118 41.0	VA	78 02 22	1905	216	396	5.45	100.0	87	59
107.0	28 51.5	119 20.0	VA	78 02 22	2340	214	399	5.37	100.0	66	53
110.0	29 51.2	115 49.7	VA	78 02 24	1030	22	45	4.82	100.0	302	460
110.0	29 46.0	116 00.0	VA	78 02 24	0825	213	400	5.33	100.0	3	2
110.0	29 36.5	116 19.5	VA	78 02 24	0515	213	416	5.12	100.0	67	3
110.0	29 26.5	116 39.5	VA	78 02 24	0100	214	423	5.05	100.0	38	2
110.0	29 16.5	116 59.0	VA	78 02 23	2215	210	395	5.31	100.0	14	3
110.0	28 56.5	117 39.0	VA	78 02 23	1715	212	409	5.17	100.0	49	12
110.0	28 36.5	118 18.0	VA	78 02 23	1055	214	392	5.47	100.0	45	13
110.0	28 16.5	118 57.5	VA	78 02 23	0550	209	403	5.18	100.0	109	22
113.0	29 24.5	115 13.5	VA	78 02 24	1540	14	33	4.30	100.0	175	185
113.0	29 22.0	115 18.0	VA	78 02 24	1630	50	112	4.44	100.0	566	5
113.0	29 11.5	115 38.0	VA	78 02 24	1945	212	415	5.12	100.0	581	121
113.0	29 02.0	115 57.0	VA	78 02 24	2315	212	400	5.30	100.0	36	1
113.0	28 52.0	116 18.0	VA	78 02 25	0205	212	401	5.28	100.0	26	0
113.0	28 41.5	116 36.5	VA	78 02 25	0525	215	407	5.28	100.0	18	0
113.0	28 22.0	117 16.0	VA	78 02 25	1145	214	404	5.29	100.0	43	5
113.0	28 02.0	117 55.0	VA	78 02 25	1750	217	402	5.41	100.0	45	25
113.0	27 42.0	118 33.5	VA	78 02 25	2250	214	400	5.36	100.0	44	76
117.0	28 55.9	114 41.5	VA	78 02 27	1710	58	124	4.67	100.0	293	4733
117.0	28 48.0	114 56.5	VA	78 02 27	1355	87	168	5.17	100.0	210	3712
117.0	28 38.0	115 16.0	VA	78 02 27	1035	182	357	5.09	100.0	204	299
117.0	28 28.0	115 35.5	VA	78 02 27	0505	216	375	5.75	100.0	282	160
117.0	28 18.0	115 55.9	VA	78 02 27	0055	214	373	5.73	100.0	87	45
117.0	28 08.0	116 15.0	VA	78 02 26	2245	214	372	5.74	100.0	16	12
117.0	27 47.9	116 52.9	VA	78 02 26	1645	217	359	6.04	100.0	13	21
117.0	27 27.5	117 32.5	VA	78 02 26	1025	213	417	5.10	100.0	21	84
117.0	27 08.0	118 10.5	VA	78 02 26	0445	218	379	5.77	100.0	89	154
118.0	28 18.5	115 23.6	VA	78 02 27	0745	210	407	5.17	100.0	106	1266
119.0	28 19.0	114 53.0	VA	78 03 04	2130	101	191	5.27	100.0	73	1032
120.0	28 25.1	114 10.1	VA	78 03 04	1450	22	53	4.07	100.0	56	4092
120.0	28 22.2	114 15.0	VA	78 03 04	1605	57	120	4.77	100.0	83	677
120.0	28 13.0	114 34.0	VA	78 03 04	1905	84	179	4.67	100.0	30	456
120.0	28 03.0	114 54.0	VA	78 03 05	0015	56	129	4.36	100.0	81	67
120.0	27 56.5	115 14.0	VA	78 03 05	0335	22	56	3.99	100.0	131	504
120.0	27 43.0	115 33.0	VA	78 03 05	0735	214	451	4.73	100.0	18	65
120.0	27 33.0	115 52.5	VA	78 03 05	1130	213	437	4.87	100.0	11	8
120.0	27 13.0	116 30.5	VA	78 03 05	1735	212	443	4.78	100.0	12	10
120.0	26 53.0	117 10.0	VA	78 03 05	2345	214	440	4.86	100.0	31	36
120.0	26 32.5	117 49.0	VA	78 03 06	0515	210	443	4.73	100.0	72	8
123.0	27 26.1	114 35.9	VA	78 03 07	0740	22	54	3.98	100.0	7	27
123.0	27 24.0	114 40.0	VA	78 03 07	0625	70	154	4.57	100.0	79	118
123.0	27 08.0	115 11.5	VA	78 03 07	0005	209	454	4.59	100.0	114	120

TABLE 1. (cont.)

CALCOFI Cruise 7803

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
123.0	50.0	26 58.0	VA	78 03 06	2115	211	429	4.92	100.0	49	10
123.0	60.0	26 38.5	VA	78 03 06	1605	206	404	5.11	100.0	23	17
127.0	33.0	26 57.5	VA	78 03 07	1250	56	128	4.38	100.0	15	721
127.0	34.0	26 55.0	VA	78 03 07	1530	79	169	4.66	100.0	89	376
127.0	40.0	26 43.5	VA	78 03 07	1915	208	437	4.76	100.0	35	72
127.0	45.0	26 33.0	VA	78 03 07	2235	212	451	4.71	100.0	39	30
127.0	50.0	26 23.0	VA	78 03 08	0235	212	430	4.94	100.0	11	11
130.0	28.0	26 33.0	VA	78 03 09	1145	49	101	4.89	100.0	55	704
130.0	30.0	26 29.0	VA	78 03 09	1030	65	140	4.62	100.0	55	4441
130.0	35.0	26 19.0	VA	78 03 09	0705	214	404	5.30	100.0	57	382
130.0	40.0	26 09.0	VA	78 03 09	0425	212	396	5.37	100.0	44	259
130.0	50.0	25 49.0	VA	78 03 08	2225	213	387	5.49	100.0	228	88
130.0	60.0	25 29.0	VA	78 03 08	1600	210	411	5.10	100.0	138	41
133.0	23.0	26 08.5	VA	78 03 09	1625	70	142	4.92	100.0	1410	141
133.0	25.0	26 02.9	VA	78 03 09	1910	76	164	4.60	100.0	552	56
133.0	30.0	25 54.5	VA	78 03 09	2235	203	412	4.92	100.0	158	161
133.0	35.0	25 44.5	VA	78 03 10	0140	211	450	4.69	100.0	122	171
133.0	40.0	25 34.5	VA	78 03 10	0530	210	434	4.83	100.0	48	15
133.0	50.0	25 14.5	VA	78 03 10	1045	210	371	5.65	100.0	107	54
133.0	60.0	24 54.5	VA	78 03 10	1615	209	404	5.17	100.0	37	64
137.0	22.0	25 36.1	VA	78 03 11	2110	49	118	4.16	100.0	83	1398
137.0	23.0	25 34.0	VA	78 03 11	2015	65	143	4.58	100.0	243	11
137.0	30.0	25 20.0	VA	78 03 11	1635	211	404	5.23	100.0	246	25
137.0	35.0	25 10.0	VA	78 03 11	1245	217	413	5.26	100.0	71	29
137.0	40.0	25 00.0	VA	78 03 11	1010	214	409	5.24	100.0	66	40
137.0	50.0	24 40.0	VA	78 03 11	0425	213	422	5.05	100.0	87	207
137.0	60.0	24 20.0	VA	78 03 10	2215	210	404	5.21	100.0	51	51

TABLE 1. (cont.)

CalCOFI Cruise 7804

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	50.0	37 57.5	122 53.1	JD	78 04 19	0725	21	49	44.0	9	122
60.0	52.5	37 52.5	123 03.5	JD	78 04 19	0855	71	135	49.0	103	159
60.0	55.0	37 47.0	123 15.0	JD	78 04 19	1125	121	231	46.0	21	12
60.0	60.0	37 37.0	123 37.0	JD	78 04 19	1525	216	408	49.0	1	8
63.0	50.0	37 23.3	122 27.8	JD	78 04 19	0305	22	48	51.0	168	30
63.0	52.0	37 19.0	122 36.0	JD	78 04 19	0145	77	150	54.0	88	786
63.0	55.0	37 13.0	122 50.0	JD	78 04 18	2305	213	390	49.0	36	9
63.0	60.0	37 03.0	123 12.0	JD	78 04 18	1850	208	371	49.0	12	70
66.0	49.0	36 53.0	122 01.7	JD	78 04 18	0140	14	36	51.0	21	13
67.0	50.0	36 48.0	122 05.0	JD	78 04 18	0340	92	176	48.0	52	9
67.0	55.0	36 39.0	122 26.0	JD	78 04 18	0725	208	379	50.0	17	17
67.0	60.0	36 28.0	122 47.0	JD	78 04 18	1140	210	396	48.0	16	59
70.0	51.0	36 11.3	121 43.9	JD	78 04 17	2005	113	224	51.0	9	2
70.0	53.0	36 06.5	121 54.0	JD	78 04 17	1810	194	415	47.0	27	0
70.0	60.0	35 53.0	122 22.5	JD	78 04 17	1255	216	409	46.0	8	22
70.0	65.0	35 43.0	122 45.0	JD	78 04 17	0820	214	406	51.0	7	23
70.0	70.0	35 33.0	123 06.0	JD	78 04 17	0540	213	391	50.0	2	6
73.0	50.0	35 37.0	121 17.0	JD	78 04 16	0750	176	176	54.0	62	29
73.0	53.0	35 31.4	121 28.6	JD	78 04 16	1100	213	402	52.0	72	38
73.0	60.0	35 17.5	121 57.9	JD	78 04 16	1620	214	409	45.0	55	68
73.0	65.0	35 08.0	122 19.0	JD	78 04 16	1850	208	413	47.0	10	29
73.0	70.0	34 58.0	122 40.0	JD	78 04 16	2255	212	407	50.0	14	8
77.0	48.0	35 58.3	120 43.7	JD	78 04 16	0325	22	47	100.0	33	284
77.0	51.0	35 02.0	120 56.5	JD	78 04 16	0120	214	403	51.0	35	10
77.0	55.0	34 54.5	121 13.0	JD	78 04 15	2110	212	421	48.0	28	5
77.0	60.0	34 44.0	121 34.0	JD	78 04 15	1655	212	415	51.1	18	16
77.0	65.0	34 34.0	121 55.0	JD	78 04 15	1145	219	399	50.0	21	49
77.0	70.0	34 25.0	122 16.0	JD	78 04 15	0901	215	398	43.0	11	31
80.0	51.0	34 26.0	120 32.6	JD	78 04 14	0940	112	221	100.0	15	3
80.0	52.0	34 24.8	120 36.0	JD	78 04 14	1120	215	394	48.0	19	3
80.0	55.0	34 19.0	120 48.0	JD	78 04 14	1505	218	389	51.0	21	68
80.0	60.0	34 09.0	121 10.0	JD	78 04 14	2020	213	366	5.81	26	81
80.0	70.0	33 48.5	121 51.0	JD	78 04 15	0235	214	390	5.49	24	25
82.0	47.0	34 16.5	119 59.0	JD	78 04 14	0605	210	378	5.56	6	19
83.0	40.6	34 12.5	119 24.2	JD	78 04 13	1115	21	49	100.0	69	2639
83.0	42.0	34 10.0	119 29.5	JD	78 04 13	0940	213	357	47.0	38	278
83.0	51.0	33 52.0	120 08.5	JD	78 04 13	0400	211	373	49.0	152	19
83.0	55.0	33 44.0	120 24.5	JD	78 04 13	0045	212	357	52.0	217	122
83.0	60.0	33 34.3	120 45.0	JD	78 04 12	2110	210	381	58.0	28	50
83.0	70.0	33 14.5	121 26.0	JD	78 04 12	1345	210	398	5.27	22	28
87.0	32.5	33 53.5	118 26.5	JD	78 04 10	0010	7	24	100.0	13	193
87.0	32.7	33 54.5	118 28.0	JD	78 04 10	0120	27	64	100.0	260	81
87.0	33.0	33 53.9	118 29.0	JD	78 04 10	0220	43	87	100.0	98	46
87.0	34.0	33 52.0	118 33.2	JD	78 04 10	0345	63	125	50.0	281	64
87.0	35.0	33 50.0	118 37.8	JD	78 04 10	0525	207	380	51.0	442	156

TABLE 1. (cont.)

CalCOFI Cruise 7804

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
87.0	33 49.0	118 40.0	JD	78 04 10	2000	217	366	5.92	48.0	244	198
87.0	33 40.0	118 58.0	JD	78 04 11	0055	212	371	5.73	54.0	29	76
87.0	33 30.0	119 19.0	JD	78 04 11	0545	205	399	5.15	52.0	16	72
87.0	33 20.0	119 39.5	JD	78 04 11	1004	63	137	4.62	49.0	176	179
87.0	33 10.0	120 00.0	JD	78 04 11	1350	216	377	5.73	48.0	42	87
87.0	33 00.0	120 21.5	JD	78 04 12	0010	215	381	5.66	100.0	73	129
87.0	32 39.6	121 02.0	JD	78 04 12	0725	212	393	5.40	100.0	30	100
90.0	33 29.0	117 45.5	JD	78 04 08	1910	48	98	4.94	100.0	589	204
90.0	33 28.5	117 46.7	JD	78 04 08	2035	215	388	5.53	53.0	728	85
90.0	33 27.0	117 49.5	JD	78 04 08	2210	214	382	5.60	58.0	645	1015
90.0	33 25.0	117 53.5	JD	78 04 09	0025	216	371	5.81	54.0	585	1095
90.0	33 23.0	117 57.7	JD	78 04 09	0240	212	380	5.59	44.0	554	616
90.0	33 18.5	118 07.0	JD	78 04 09	0645	208	386	5.38	47.0	445	590
90.0	33 11.0	118 22.5	JD	78 04 09	1045	213	385	5.52	49.0	12	49
90.0	32 54.5	118 55.5	JD	78 04 09	1650	209	388	5.38	50.0	68	120
90.0	32 39.0	119 29.0	JD	78 04 08	0645	213	398	5.34	100.0	15	79
90.0	32 25.0	119 57.5	JD	78 04 08	0125	211	440	4.79	100.0	43	107
90.0	32 04.5	120 38.3	JD	78 04 07	1825	208	459	4.55	100.0	15	126
90.0	31 44.5	121 19.5	JD	78 04 07	1220	218	419	5.21	100.0	16	107
90.0	31 22.3	122 01.4	JD	78 04 07	0550	207	397	5.22	100.0	9	246
90.0	31 02.0	122 42.2	JD	78 04 06	2230	216	430	5.02	100.0	51	76
90.0	30 45.1	123 19.9	JD	78 04 06	1600	211	405	5.22	100.0	33	59
90.0	30 25.1	123 59.9	JD	78 04 06	1005	212	417	5.09	100.0	41	44
90.0	30 04.1	124 37.8	JD	78 04 06	0430	206	412	5.00	100.0	44	18
90.0	29 45.1	125 19.6	JD	78 04 05	2200	212	406	5.22	100.0	104	32
90.0	29 23.0	125 59.8	JD	78 04 05	1600	210	402	5.23	100.0	61	23
90.0	29 05.1	126 38.8	JD	78 04 05	0915	213	402	5.29	100.0	80	18
90.0	28 45.1	127 17.3	JD	78 04 05	0320	214	401	5.35	100.0	64	10
90.0	28 25.1	127 57.4	JD	78 04 04	2120	216	389	5.54	100.0	76	12
90.0	28 05.1	128 36.5	JD	78 04 04	1455	216	401	5.37	100.0	59	13
90.0	27 45.1	129 15.5	JD	78 04 04	0850	211	409	5.15	100.0	55	16
93.0	32 57.0	117 17.4	JD	78 03 29	1950	20	50	3.95	100.0	588	161
93.0	32 56.7	117 18.4	JD	78 03 29	2100	69	134	5.17	100.0	471	83
93.0	32 54.7	117 21.8	JD	78 03 29	2240	212	363	5.85	53.0	361	525
93.0	32 52.6	117 26.6	JD	78 03 30	0120	211	379	5.56	100.0	474	491
93.0	32 50.5	117 31.0	JD	78 03 30	0405	212	352	6.01	100.0	402	470
93.0	32 40.5	117 51.5	JD	78 03 30	0740	204	363	5.63	51.0	44	18
93.0	32 30.0	118 11.5	JD	78 03 30	1340	213	369	5.77	48.0	11	32
93.0	32 20.0	118 32.0	JD	78 03 30	1805	209	377	5.55	45.0	37	63
93.0	32 10.0	118 53.0	JD	78 03 30	2355	218	400	5.44	100.0	62	75
93.0	32 00.0	119 13.5	JD	78 03 31	0345	217	416	5.21	100.0	62	31
93.0	31 50.4	119 33.7	JD	78 03 31	1020	215	407	5.28	100.0	41	24
93.0	31 30.0	120 14.0	JD	78 03 31	1855	211	419	5.03	100.0	39	42
93.0	31 10.0	120 54.4	JD	78 04 01	0120	201	431	4.67	100.0	35	52
93.0	30 51.0	121 34.5	JD	78 04 01	0820	217	388	5.59	100.0	7	72

TABLE 1. (cont.)

CALCOFI Cruise 7804

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code yr.	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	100.0	30 30.0	122 09.0	JD	78 04 01	1345	219	5.57	100.0	11	107
93.0	110.0	30 09.6	122 54.7	JD	78 04 01	2110	416	5.16	100.0	55	14
93.0	120.0	29 49.0	123 35.0	JD	78 04 02	0245	407	5.30	100.0	111	73
93.0	130.0	29 29.0	124 14.0	JD	78 04 02	0920	393	5.45	100.0	84	22
93.0	140.0	29 09.0	124 53.0	JD	78 04 02	1540	400	5.39	100.0	74	10
93.0	150.0	28 50.4	125 33.6	JD	78 04 02	2115	403	5.27	100.0	118	14
93.0	160.0	28 33.2	126 10.7	JD	78 04 03	0240	411	5.12	100.0	119	7
93.0	170.0	28 10.4	126 52.0	JD	78 04 03	0915	403	5.25	100.0	39	21
93.0	180.0	27 50.8	127 30.9	JD	78 04 03	1500	398	5.38	100.0	51	25
93.0	190.0	27 30.5	128 09.8	JD	78 04 03	2100	401	5.28	100.0	99	19
93.0	200.0	27 10.4	128 48.9	JD	78 04 04	0315	420	4.96	100.0	89	17
97.0	29.0	32 17.5	117 04.7	VA	78 04 04	1430	88	4.13	100.0	335	192
97.0	30.0	32 15.9	117 07.0	VA	78 04 04	1635	128	4.36	100.0	710	119
97.0	32.0	32 12.0	117 15.2	VA	78 04 04	1820	422	4.84	54.0	96	93
97.0	35.0	32 05.5	117 27.5	VA	78 04 04	2140	454	4.58	51.0	28	40
97.0	40.0	31 56.0	117 48.0	VA	78 04 05	0310	431	4.98	51.0	109	74
97.0	45.0	31 46.0	118 08.5	VA	78 04 05	0600	462	4.51	49.0	55	31
97.0	50.0	31 36.0	118 30.5	VA	78 04 05	1010	421	5.07	100.0	17	68
97.0	55.0	31 25.5	118 49.5	VA	78 04 05	1305	408	5.33	100.0	28	50
97.0	60.0	31 15.5	119 10.0	VA	78 04 05	1715	433	4.87	58.0	13	50
97.0	70.0	30 55.0	119 50.5	VA	78 04 05	2300	431	4.91	100.0	94	238
97.0	80.0	30 35.0	120 31.0	VA	78 04 06	0525	442	4.84	100.0	115	62
97.0	90.0	30 15.5	121 10.5	VA	78 04 06	1050	406	5.25	100.0	49	107
97.0	100.0	29 55.0	121 50.0	VA	78 04 06	1640	447	4.66	100.0	74	28
100.0	29.0	31 42.0	116 43.4	JD	78 04 21	1835	281	4.96	100.0	129	164
100.0	30.0	31 40.5	116 46.5	JD	78 04 21	2035	409	5.10	56.0	417	18
100.0	35.0	31 30.5	117 07.0	JD	78 04 22	0005	404	5.18	49.0	33	16
100.0	40.0	31 20.9	117 27.1	JD	78 04 22	0315	387	5.54	46.0	29	13
100.0	45.0	31 10.5	117 46.5	JD	78 04 22	0545	390	5.32	51.0	27	13
100.0	50.0	31 00.5	118 07.0	JD	78 04 22	0925	387	5.53	48.0	13	14
100.0	60.0	30 40.5	118 47.5	JD	78 04 22	1520	388	5.67	100.0	24	30
100.0	80.0	30 01.0	120 07.0	VA	78 04 07	1050	430	5.00	100.0	39	255
100.0	90.0	29 40.5	120 47.0	VA	78 04 07	0415	412	5.16	100.0	101	81
100.0	100.0	29 20.0	121 26.5	VA	78 04 06	2150	468	4.53	100.0	95	402
103.0	29.0	31 07.0	116 21.0	JD	78 04 23	1225	59	5.04	100.0	36	20
103.0	30.0	31 06.0	116 24.5	JD	78 04 23	1130	99	4.98	100.0	69	23
103.0	35.0	30 56.0	116 45.0	JD	78 04 23	0825	383	5.60	42.0	12	50
103.0	40.0	30 46.0	117 04.5	JD	78 04 23	0500	371	5.68	54.0	16	313
103.0	45.0	30 36.0	117 24.0	JD	78 04 23	0115	383	5.53	46.0	22	81
103.0	50.0	30 26.0	117 44.5	JD	78 04 22	2210	392	5.46	52.0	10	10
107.0	31.0	30 27.8	116 07.0	JD	78 04 23	1635	58	6.51	42.0	38	187
107.0	32.0	30 25.8	116 11.0	JD	78 04 23	1800	410	4.92	56.0	132	1654
107.0	35.0	30 21.5	116 22.5	JD	78 04 23	2045	389	5.41	49.0	57	0
107.0	40.0	30 11.0	116 42.0	JD	78 04 24	0005	405	4.81	59.0	7	2
107.0	45.0	30 01.5	117 02.0	JD	78 04 24	0240	369	5.86	51.0	20	10

TABLE 1. (cont.)

CALCOFI Cruise 7804

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
107.0	29 50.7	117 22.0	JD	78 04 24	0605	210	375	5.59	100.0	57	27
110.0	29 51.2	115 49.7	JD	78 04 24	2305	42	82	5.14	52.0	63	1
110.0	29 46.0	116 00.0	JD	78 04 24	2105	211	352	5.98	53.0	219	13
110.0	29 33.0	116 21.0	JD	78 04 24	1720	213	376	5.65	52.0	239	6
110.0	29 26.5	116 39.5	JD	78 04 24	1345	213	377	5.65	51.0	12	3
110.0	29 14.9	116 58.2	JD	78 04 24	1100	216	381	5.67	53.0	25	6
113.0	29 24.5	115 13.5	JD	78 04 25	0330	22	47	4.59	100.0	111	7
113.0	29 22.0	115 18.0	JD	78 04 25	0425	35	77	4.57	100.0	49	6
113.0	29 12.0	115 38.0	JD	78 04 25	0735	212	389	5.46	48.0	107	8
113.0	29 02.8	115 58.3	JD	78 04 25	1035	214	368	5.82	50.0	39	5
113.0	28 52.0	116 18.0	JD	78 04 25	1330	213	364	5.85	44.0	127	20
113.0	28 41.5	116 36.0	JD	78 04 25	1700	215	369	5.82	48.0	10	15

TABLE 1. (cont.)

CALCOFI Cruise 7805

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	37 52.5	123 03.5	JD	78 05 14	1600	77	159	4.84	40.0	5	7
60.0	37 47.0	123 15.0	JD	78 05 14	1830	133	265	5.01	55.0	19	16
60.0	37 37.0	123 37.0	JD	78 05 14	2225	208	412	5.04	51.0	7	68
60.0	37 17.0	124 22.0	JD	78 05 15	0430	211	419	5.03	48.0	4	96
60.0	36 56.5	125 04.0	JD	78 05 15	0939	213	411	5.18	54.0	13	57
60.0	36 37.0	125 47.0	JD	78 05 15	1610	210	391	5.37	100.0	4	48
63.0	37 19.0	122 36.0	JD	78 05 17	0015	71	199	3.55	48.0	13	5
63.0	37 13.0	122 50.0	JD	78 05 16	2140	202	368	5.48	51.0	66	39
63.0	37 03.0	123 12.0	JD	78 05 16	1635	202	429	4.69	52.0	17	74
63.0	36 42.5	123 55.0	JD	78 05 16	0921	204	420	4.85	46.0	9	144
63.0	36 23.0	124 38.5	JD	78 05 16	0331	205	460	4.46	48.0	16	29
63.0	36 03.0	125 20.0	JD	78 05 15	2140	206	441	4.67	47.0	14	27
67.0	36 48.0	122 05.0	JD	78 05 17	0830	211	320	6.61	48.0	4	4
67.0	36 39.0	122 26.0	JD	78 05 17	1235	219	324	6.78	48.0	15	9
67.0	36 28.0	122 47.5	JD	78 05 17	1635	207	352	5.88	50.0	32	90
67.0	36 08.0	123 29.5	JD	78 05 17	2200	208	386	5.40	51.0	57	161
67.0	35 48.0	124 12.0	JD	78 05 18	0320	209	389	5.36	44.0	6	26
67.0	35 28.0	124 55.0	JD	78 05 18	0842	216	363	5.95	100.0	9	16
70.0	36 11.3	121 43.9	JD	78 05 19	1230	70	123	5.68	49.0	11	9
70.0	36 06.5	121 54.0	JD	78 05 19	1045	208	327	6.37	52.0	35	24
70.0	35 53.0	122 22.6	JD	78 05 19	0640	208	342	6.09	49.0	20	33
70.0	35 33.0	123 06.0	JD	78 05 19	0055	213	375	5.67	100.0	42	47
70.0	35 15.7	123 46.0	JD	78 05 18	2055	209	387	5.39	100.0	64	147
70.0	34 53.9	124 30.8	JD	78 05 18	1525	213	370	5.76	100.0	51	114
73.0	35 31.7	121 17.0	JD	78 05 19	1645	86	159	5.40	54.0	68	7
73.0	35 17.5	121 28.3	JD	78 05 19	1915	209	348	6.01	50.0	45	24
73.0	34 58.0	122 40.0	JD	78 05 20	0440	206	346	6.13	100.0	59	50
73.0	34 38.0	123 22.0	JD	78 05 20	0929	212	351	5.69	49.0	38	47
73.0	34 18.5	124 04.0	JD	78 05 20	1530	210	367	6.05	100.0	33	83
77.0	35 02.0	120 56.5	JD	78 05 21	2030	210	288	7.34	51.0	28	80
77.0	34 54.5	121 13.0	JD	78 05 21	1750	210	351	6.00	48.0	64	7
77.0	34 44.0	121 34.0	JD	78 05 21	1418	212	323	6.57	49.0	34	22
77.0	34 24.4	122 16.4	JD	78 05 21	0755	210	348	6.05	51.0	63	21
77.0	34 04.0	122 57.0	JD	78 05 21	0150	212	357	5.93	100.0	54	105
77.0	33 43.0	123 39.0	JD	78 05 20	2010	211	350	6.03	100.0	38	70
80.0	34 26.0	120 32.5	JD	78 05 22	0115	85	154	5.52	53.0	12	0
80.0	34 19.0	120 48.0	JD	78 05 22	0415	209	343	6.09	46.0	9	2
80.0	34 09.0	121 09.0	JD	78 05 22	0805	205	344	5.97	51.0	21	37
80.0	33 48.5	121 51.0	JD	78 05 22	1330	219	345	6.36	51.0	27	11
80.0	33 29.4	122 31.0	JD	78 05 22	1820	211	399	5.29	51.0	15	41
80.0	33 09.0	123 13.0	JD	78 05 23	0110	216	441	4.91	100.0	39	47
83.0	34 12.5	119 24.2	JD	78 05 25	0125	21	59	3.50	50.0	32	140
83.0	34 10.0	119 29.5	JD	78 05 25	0300	161	332	4.85	52.0	85	39

TABLE 1. (cont.)

CalCOFI Cruise 7805												
Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs	
83.0	60.0	33 34.0	120 45.0	JD	78 05 23	2320	212	466	4.55	53.0	39	124
83.0	70.0	33 14.5	121 26.0	JD	78 05 23	1735	211	418	5.04	49.0	11	26
83.0	80.0	32 54.0	122 08.0	JD	78 05 23	1130	215	420	5.10	100.0	37	84
83.0	90.0	32 34.5	122 50.0	JD	78 05 23	0615	201	408	4.92	100.0	19	63
87.0	32.5	33 53.5	118 26.5	JD	78 05 25	0906	13	41	3.19	100.0	10	132
87.0	32.7	33 54.5	118 28.0	JD	78 05 25	0959	19	40	4.78	100.0	14	32
87.0	33.0	33 53.9	118 29.0	JD	78 05 25	1053	37	71	5.12	50.0	5	1
87.0	35.0	33 50.0	118 37.5	JD	78 05 25	1221	212	379	5.58	28.0	23	132
87.0	40.0	33 40.0	118 58.0	JD	78 05 25	1610	213	350	6.08	50.0	179	410
87.0	45.0	33 30.0	119 19.0	JD	78 05 25	1930	214	418	5.11	49.0	10	6
87.0	50.0	33 20.0	119 39.5	JD	78 05 25	2230	53	143	3.67	46.0	15	824
87.0	55.0	33 10.0	120 00.0	JD	78 05 28	1415	224	369	6.06	49.0	28	8
87.0	60.0	33 00.5	120 21.0	JD	78 05 28	1845	217	394	5.50	52.0	24	6
87.0	70.0	32 39.5	121 02.0	JD	78 05 29	0030	213	416	5.13	100.0	32	23
87.0	80.0	32 20.0	121 43.0	JD	78 05 29	0555	210	421	4.98	100.0	26	35
87.0	90.0	31 59.0	122 24.0	JD	78 05 29	1017	218	426	5.13	100.0	30	34
90.0	27.6	33 29.3	117 45.5	JD	78 05 27	0520	28	64	4.32	46.0	15	231
90.0	28.0	33 28.5	117 46.7	JD	78 05 27	0505	85	178	4.79	53.0	16	45
90.0	29.0	33 27.0	117 49.5	JD	78 05 27	0330	218	372	5.85	47.0	30	8
90.0	30.0	33 25.0	117 53.5	JD	78 05 27	0200	214	372	5.77	54.0	134	11
90.0	31.0	33 23.0	117 57.7	JD	78 05 26	2347	213	377	5.67	51.0	207	18
90.0	33.0	33 18.5	118 07.0	JD	78 05 26	2140	212	379	5.59	48.0	722	245
90.0	37.0	33 11.0	118 22.5	JD	78 05 26	1825	214	389	5.49	50.0	15	32
90.0	45.0	32 54.5	118 55.5	JD	78 05 26	1326	219	379	5.79	50.0	9	50
90.0	53.0	32 39.0	119 28.5	JD	78 05 28	0925	216	373	5.77	47.0	31	19
90.0	60.0	32 24.9	119 57.5	JD	78 05 30	1038	217	403	5.38	100.0	9	11
90.0	70.0	32 04.5	120 38.5	JD	78 05 30	0540	213	411	5.19	100.0	35	60
90.0	80.0	31 44.5	121 19.5	JD	78 05 29	2340	220	413	5.33	100.0	41	36
90.0	90.0	31 24.0	122 01.0	JD	78 05 29	1705	213	411	5.19	100.0	12	97
93.0	26.7	32 57.2	117 17.4	JD	78 05 27	1040	36	75	4.75	100.0	13	78
93.0	26.9	32 56.8	117 18.3	JD	78 05 27	1125	87	163	5.32	100.0	13	60
93.0	28.0	32 54.7	117 21.8	JD	78 05 27	1239	216	394	5.48	56.0	42	223
93.0	30.0	32 50.5	117 31.0	JD	78 05 27	1528	219	369	5.94	48.0	21	4
93.0	35.0	32 40.5	117 51.5	JD	78 05 27	1815	211	380	5.55	44.0	10	6
93.0	40.0	32 30.0	118 11.5	JD	78 05 27	2135	213	378	5.64	49.0	54	5
93.0	45.0	32 20.0	118 32.0	JD	78 05 27	0000	215	366	5.88	50.0	16	7
93.0	50.0	32 10.0	118 52.5	JD	78 05 28	0330	217	412	5.26	55.0	51	18
93.0	55.0	32 00.0	119 13.5	JD	78 05 30	1705	209	409	5.11	54.0	12	12
93.0	60.0	31 50.0	119 34.0	JD	78 05 30	2045	215	404	5.32	100.0	58	34
93.0	70.0	31 30.0	120 14.0	JD	78 05 31	0220	216	441	4.89	100.0	54	69
93.0	80.0	31 10.5	120 55.0	JD	78 05 31	0650	214	415	5.15	100.0	71	58
93.0	90.0	30 50.0	121 34.5	JD	78 05 31	1158	214	434	4.92	100.0	40	134
97.0	30.0	32 16.0	117 07.0	JD	78 06 02	0735	43	85	5.03	53.0	39	110
97.0	32.0	32 12.0	117 15.2	JD	78 06 02	0540	209	392	5.33	48.0	18	5
97.0	35.0	32 05.5	117 27.5	JD	78 06 02	0330	216	388	5.55	60.0	19	4

TABLE 1. (cont.)

CalCOFI Cruise 7805

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
97.0	40.0	117 48.6	JD	78 06 01	2350	216	384	5.64	53.0	24	8
97.0	45.0	118 08.5	JD	78 06 01	2025	215	364	5.91	59.0	33	9
97.0	50.0	118 30.5	JD	78 06 01	1740	214	378	5.66	49.0	26	20
97.0	55.0	118 49.5	JD	78 06 01	1416	218	386	5.66	56.0	13	28
97.0	60.0	119 10.0	JD	78 06 01	1024	213	392	5.44	51.0	27	27
97.0	70.0	119 50.6	JD	78 06 01	0605	211	421	5.02	100.0	39	48
97.0	80.0	120 31.0	JD	78 05 31	0030	212	424	5.01	100.0	157	15
97.0	90.0	121 10.0	JD	78 05 31	1910	210	417	5.03	100.0	51	461
100.0	29.0	116 43.4	JD	78 06 03	1525	102	218	4.67	53.0	12	9
100.0	30.0	116 46.5	JD	78 06 03	1820	212	375	5.65	57.0	11	16
100.0	35.0	117 07.0	JD	78 06 03	2125	207	400	5.19	52.0	8	2
100.0	40.0	117 27.0	JD	78 06 04	0100	216	390	5.55	55.0	13	2
100.0	50.0	118 07.0	JD	78 06 04	0605	206	402	5.13	53.0	22	18
100.0	60.0	118 50.0	JD	78 06 04	1022	216	393	5.51	100.0	48	106
100.0	70.0	119 27.5	JD	78 06 04	1545	211	414	5.10	100.0	64	45
100.0	80.0	120 07.0	JD	78 06 04	2110	211	408	5.18	100.0	181	146
100.0	90.0	120 47.0	JD	78 06 05	0350	209	412	5.08	100.0	275	406
103.0	30.0	116 24.5	JD	78 06 06	1610	55	111	4.96	49.0	10	8
103.0	35.0	116 45.0	JD	78 06 06	1330	217	394	5.53	47.0	4	2
103.0	40.0	117 04.5	JD	78 06 06	1018	212	373	5.69	52.0	12	2
103.0	45.0	117 24.0	JD	78 06 06	0655	209	374	5.58	52.0	17	13
103.0	50.0	117 44.5	JD	78 06 06	0355	208	408	5.09	52.0	17	12
103.0	60.0	118 25.0	JD	78 06 05	2050	213	394	5.40	52.0	74	78
103.0	70.0	119 04.8	JD	78 06 05	1525	218	397	5.49	100.0	120	63
103.0	80.0	119 43.9	JD	78 06 05	0959	212	414	5.12	100.0	107	978
107.0	32.0	116 11.0	JD	78 06 06	2035	211	402	5.26	46.0	6	5
107.0	35.0	116 22.5	JD	78 06 06	2300	211	401	5.27	52.0	9	5
107.0	40.0	116 42.0	JD	78 06 07	0220	213	398	5.36	51.0	27	18
107.0	50.0	117 22.0	JD	78 06 07	0749	214	394	5.42	51.0	10	12
107.0	60.0	118 01.5	JD	78 06 07	1209	211	403	5.25	56.0	26	47
107.0	70.0	118 41.0	JD	78 06 07	1945	211	392	5.37	100.0	205	341
107.0	80.0	119 20.0	JD	78 06 07	0050	220	370	5.93	100.0	264	377
110.0	32.4	115 49.7	JD	78 06 09	1015	28	65	4.35	50.0	1	9
110.0	35.0	116 00.0	JD	78 06 09	0818	215	388	5.54	51.0	5	2
110.0	40.0	116 19.5	JD	78 06 09	0500	211	387	5.45	51.0	8	2
110.0	45.0	116 39.5	JD	78 06 09	0215	219	384	5.71	48.0	5	5
110.0	50.0	116 58.8	JD	78 06 08	2230	216	242	8.91	55.0	12	13
110.0	60.0	117 39.0	JD	78 06 08	1555	213	408	5.23	100.0	330	204
110.0	70.0	118 18.0	JD	78 06 08	1048	213	403	5.30	100.0	130	123
110.0	80.0	118 57.5	JD	78 06 08	0615	209	389	5.36	100.0	188	1604
113.0	50.0	116 36.5	JD	78 06 09	1805	215	390	5.52	51.0	21	35
113.0	60.0	117 16.0	JD	78 06 09	2310	213	394	5.39	100.0	211	1433
113.0	70.0	117 55.0	JD	78 06 10	0550	213	402	5.31	100.0	39	67
113.0	80.0	118 36.0	JD	78 06 10	0953	213	415	5.13	100.0	29	426

TABLE 1. (cont.)

CALCOFI Cruise 7807

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	37 57.5	122 53.1	JD	78 07 15	0345	36	79	4.52	50.0	2	31
60.0	37 52.5	123 03.5	JD	78 07 15	0515	77	152	5.08	50.0	4	1
60.0	37 47.0	123 15.0	JD	78 07 15	0735	127	227	5.57	51.0	15	4
60.0	37 37.0	123 37.0	JD	78 07 15	1120	214	360	5.94	55.0	75	24
60.0	37 27.0	123 58.5	JD	78 07 15	1410	214	362	5.91	54.0	23	43
60.0	37 17.0	124 21.0	JD	78 07 15	1815	212	383	5.54	49.0	31	27
60.0	36 56.5	125 04.0	JD	78 07 16	0040	214	400	5.35	100.0	12	7
60.0	36 37.0	125 47.0	JD	78 07 16	0708	209	453	4.62	100.0	25	7
63.0	37 23.3	122 27.8	JD	78 07 14	2325	21	48	4.41	44.0	0	6
63.0	37 19.0	122 36.0	JD	78 07 14	2140	78	155	5.03	49.0	1	29
63.0	37 13.0	122 50.0	JD	78 07 14	1855	212	377	5.64	53.0	34	2
63.0	37 03.4	123 10.5	JD	78 07 14	1510	213	371	5.75	54.0	14	3
63.0	36 53.0	123 33.0	JD	78 07 14	1605	211	367	5.76	46.0	25	34
63.0	36 42.5	123 55.0	JD	78 07 14	0705	211	374	5.64	50.0	16	61
63.0	36 23.0	124 38.5	JD	78 07 14	0104	217	391	5.54	54.0	21	18
63.0	36 03.0	125 20.0	JD	78 07 13	1855	211	389	5.42	100.0	21	2
66.0	36 53.0	122 01.7	JD	78 07 12	0730	42	87	4.87	100.0	2	155
67.0	36 48.0	122 05.0	JD	78 07 12	0935	212	393	5.39	48.0	19	20
67.0	36 39.0	122 26.0	JD	78 07 12	1400	216	362	5.95	44.0	11	2
67.0	36 28.0	122 47.0	JD	78 07 12	1845	212	381	5.57	48.0	28	1
67.0	36 18.0	123 09.0	JD	78 07 12	2140	212	382	5.56	50.0	66	4
67.0	36 08.0	123 29.5	JD	78 07 13	0130	216	384	5.62	49.0	55	23
67.0	35 48.0	124 12.0	JD	78 07 13	0715	213	396	5.37	45.0	9	38
67.0	35 28.0	124 55.0	JD	78 07 13	1255	214	380	5.63	100.0	20	5
70.0	36 11.3	121 43.9	JD	78 07 12	0150	85	166	5.13	49.0	11	18
70.0	36 06.5	121 54.0	JD	78 07 11	2355	210	411	5.12	51.0	55	3
70.0	35 53.0	122 22.5	JD	78 07 11	1925	215	387	5.57	52.0	16	5
70.0	35 43.0	122 45.0	JD	78 07 11	1420	216	390	5.53	57.0	28	6
70.0	35 33.0	123 06.0	JD	78 07 11	1150	214	392	5.45	50.0	18	13
70.0	35 13.5	123 47.5	JD	78 07 11	0618	214	422	5.08	45.0	18	7
70.0	34 53.0	124 30.0	JD	78 07 10	2345	213	418	5.10	100.0	83	29
73.0	35 37.0	121 17.0	JD	78 07 09	1311	79	153	5.19	48.0	19	11
73.0	35 31.5	121 28.5	JD	78 07 09	1607	213	373	5.72	46.0	37	18
73.0	35 16.7	122 01.0	JD	78 07 09	2145	215	396	5.43	49.0	18	5
73.0	35 08.0	122 19.0	JD	78 07 10	0005	215	419	5.13	100.0	43	9
73.0	34 58.0	122 40.0	JD	78 07 10	0355	214	430	4.96	100.0	33	12
73.0	34 38.0	123 22.0	JD	78 07 10	1010	216	423	5.09	100.0	44	17
73.0	34 18.5	124 04.0	JD	78 07 10	1545	213	435	4.89	100.0	31	9
77.0	35 08.3	120 43.7	JD	78 07 09	0820	21	50	4.21	100.0	5	80
77.0	35 02.0	120 56.5	JD	78 07 09	0555	212	371	5.70	51.0	14	22
77.0	34 54.5	121 13.0	JD	78 07 09	0225	214	363	5.90	52.0	22	20
77.0	34 44.0	121 34.0	JD	78 07 08	2145	207	429	4.81	49.0	32	63
77.0	34 34.0	121 55.0	JD	78 07 08	1605	215	393	5.46	100.0	13	3
77.0	34 24.2	122 16.0	JD	78 07 08	1255	217	411	5.28	100.0	24	4
77.0	34 04.0	122 57.0	JD	78 07 08	0640	214	361	5.93	40.0	10	6

TABLE 1. (cont.)

CALCOFI Cruise 7807

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
77.0	33 43.0	123 39.0	JD	78 07 08	0010	217	397	5.48	100.0	74	22
80.0	34 26.0	120 32.5	JD	78 07 06	1225	93	176	5.28	46.0	1	4
80.0	34 24.0	120 36.7	JD	78 07 06	1410	208	404	5.14	51.0	6	15
80.0	34 19.0	120 48.0	JD	78 07 06	1750	211	379	5.56	56.0	15	9
80.0	34 09.0	121 09.0	JD	78 07 06	2250	214	367	5.83	58.0	23	5
80.0	33 48.5	121 51.0	JD	78 07 07	0500	213	383	5.58	51.0	20	17
80.0	33 28.7	122 32.0	JD	78 07 07	1040	212	366	5.81	51.0	24	21
80.0	33 09.0	123 13.0	JD	78 07 07	1755	210	413	5.10	100.0	53	27
82.0	34 16.5	119 59.0	JD	78 07 06	0850	210	370	5.67	47.0	7	18
83.0	34 12.5	119 24.2	JD	78 07 06	0155	29	61	4.71	100.0	11	67
83.0	34 10.0	119 29.5	JD	78 07 06	0340	210	347	6.07	44.0	32	66
83.0	33 52.0	120 08.5	JD	78 07 05	0527	143	260	5.51	49.0	4	73
83.0	33 44.0	120 24.5	JD	78 07 05	0150	220	388	5.67	42.0	27	51
83.0	33 33.7	120 44.8	JD	78 07 04	2145	217	381	5.69	51.0	51	10
83.0	33 14.5	121 26.0	JD	78 07 04	1536	217	406	5.35	45.0	10	4
83.0	32 54.0	122 08.0	JD	78 07 04	0930	215	439	4.89	100.0	12	14
83.0	32 34.5	122 50.0	JD	78 07 04	0330	203	442	4.59	100.0	59	56
87.0	32 53.5	118 26.5	JD	78 07 01	2210	15	36	4.06	100.0	28	800
87.0	33 54.5	118 28.0	JD	78 07 01	2305	22	51	4.23	100.0	40	1307
87.0	33 53.9	118 29.0	JD	78 07 02	0005	41	84	4.89	100.0	21	310
87.0	33 52.0	118 33.2	JD	78 07 02	0125	65	122	5.35	52.0	17	23
87.0	33 50.0	118 37.5	JD	78 07 02	0315	212	373	5.70	47.0	20	124
87.0	33 49.0	118 40.0	JD	78 07 02	0625	215	370	5.80	49.0	27	830
87.0	33 40.0	118 58.0	JD	78 07 02	1040	213	381	5.59	46.0	10	506
87.0	33 30.0	119 19.0	JD	78 07 02	1430	216	373	5.78	43.0	7	120
87.0	33 20.0	119 39.5	JD	78 07 02	1810	62	123	5.01	44.0	10	244
87.0	33 10.0	120 00.0	JD	78 07 02	2159	205	436	4.69	49.0	22	28
87.0	32 39.5	120 21.5	JD	78 07 03	0250	212	397	5.35	50.0	34	8
87.0	32 19.5	121 02.0	JD	78 07 03	0905	219	435	5.03	100.0	11	33
87.0	31 59.0	121 43.0	JD	78 07 03	1435	216	418	5.17	100.0	6	26
87.0	31 59.0	122 24.0	JD	78 07 03	2040	217	494	4.39	100.0	72	27
90.0	33 29.3	117 45.5	JD	78 07 01	1640	29	62	4.69	100.0	10	22
90.0	33 28.5	117 46.7	JD	78 07 01	1510	213	389	5.47	47.0	5	36
90.0	33 27.0	117 49.5	JD	78 07 01	1310	210	383	5.48	53.0	10	55
90.0	33 25.0	117 53.5	JD	78 07 01	1105	213	377	5.64	47.0	13	142
90.0	33 23.0	117 57.7	JD	78 07 01	0800	212	380	5.59	50.0	30	68
90.0	33 18.5	118 07.0	JD	78 07 01	0530	208	385	5.41	54.0	42	9
90.0	33 11.0	118 22.5	JD	78 07 01	0050	215	368	5.83	48.0	19	20
90.0	32 54.5	118 55.5	JD	78 06 30	1925	208	400	5.22	48.0	11	29
90.0	32 34.8	119 29.5	JD	78 06 30	1335	217	355	6.13	50.0	22	25
90.0	32 25.0	119 57.5	JD	78 06 30	0810	212	395	5.37	100.0	32	70
90.0	32 04.5	120 38.5	JD	78 06 30	0030	209	267	7.83	100.0	85	58
90.0	31 44.5	121 19.5	JD	78 06 29	1825	213	404	5.28	100.0	58	39
90.0	31 23.2	122 01.2	JD	78 06 29	1200	213	394	5.40	100.0	108	140
90.0	31 05.0	122 39.0	JD	78 06 29	0605	209	388	5.37	100.0	196	328

TABLE 1. (cont.)

CALCOFI Cruise 7807

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
90.0	110.0	30 44.3	123 17.2	JD	78 06 28	2355	213	390	5.47	100.0	47	191
90.0	120.0	30 25.1	123 59.9	JD	78 06 28	1800	213	403	5.27	100.0	110	381
90.0	130.0	30 04.3	124 38.7	JD	78 06 28	1217	218	389	5.60	100.0	106	280
90.0	140.0	29 45.1	125 19.6	JD	78 06 28	0545	217	402	5.39	100.0	247	399
90.0	150.0	29 25.1	125 59.2	JD	78 06 28	0005	212	397	5.35	100.0	285	333
90.0	160.0	29 05.1	126 38.7	JD	78 06 27	1840	213	417	5.10	100.0	248	125
90.0	170.0	28 45.8	127 18.0	JD	78 06 27	1210	213	417	5.11	100.0	256	8
90.0	180.0	28 25.1	127 57.5	JD	78 06 27	0630	211	419	5.03	100.0	28	6
90.0	190.0	28 00.5	128 39.8	JD	78 06 26	2320	222	393	5.66	100.0	141	13
90.0	200.0	27 45.1	129 15.5	JD	78 06 26	1745	212	428	4.96	100.0	44	8
93.0	26.7	32 57.2	117 17.4	JD	78 06 20	2120	36	70	5.08	52.0	55	12
93.0	28.0	32 54.7	117 21.8	JD	78 06 21	0115	217	378	5.75	54.0	46	302
93.0	29.0	32 52.7	117 26.6	JD	78 06 21	0425	216	360	5.99	48.0	30	120
93.0	30.0	32 50.5	117 31.0	JD	78 06 21	0755	215	377	5.70	49.0	15	291
93.0	35.0	32 40.5	117 51.5	JD	78 06 21	1220	218	366	5.96	59.0	16	47
93.0	40.0	32 30.0	118 11.5	JD	78 06 22	0015	217	376	5.77	52.0	15	11
93.0	45.0	32 20.0	118 32.0	JD	78 06 22	0410	213	399	5.35	53.0	9	89
93.0	50.0	32 10.0	118 52.5	JD	78 06 22	0940	212	381	5.56	50.0	27	340
93.0	55.0	32 00.0	119 13.5	JD	78 06 22	1340	218	337	6.45	48.0	22	15
93.0	60.0	31 50.0	119 34.0	JD	78 06 22	1945	215	406	5.29	100.0	36	17
93.0	70.0	31 30.0	120 14.0	JD	78 06 23	0115	217	387	5.61	100.0	18	3
93.0	80.0	31 10.0	120 54.5	JD	78 06 23	0800	211	415	5.07	100.0	43	40
93.0	90.0	30 50.0	121 34.5	JD	78 06 23	1450	214	417	5.13	100.0	65	230
93.0	100.0	30 30.0	122 14.0	JD	78 06 23	2040	218	419	5.21	100.0	102	249
93.0	110.0	30 09.5	122 55.0	JD	78 06 24	0300	217	401	5.41	100.0	190	53
93.0	120.0	29 49.0	123 35.0	JD	78 06 24	0950	214	410	5.20	100.0	21	312
93.0	130.0	29 29.0	124 14.0	JD	78 06 24	1521	216	409	5.28	100.0	339	33
93.0	140.0	29 10.6	124 56.3	JD	78 06 24	2200	217	463	4.67	100.0	59	10
93.0	150.0	28 50.4	125 33.6	JD	78 06 25	0500	213	432	4.94	100.0	53	8
93.0	160.0	28 30.4	126 12.8	JD	78 06 25	1110	214	427	5.00	100.0	334	10
93.0	170.0	28 10.4	126 52.0	JD	78 06 25	1720	216	414	5.23	100.0	27	4
93.0	180.0	27 51.0	127 31.0	JD	78 06 26	0010	213	412	5.16	100.0	91	9
93.0	190.0	27 30.4	128 09.9	JD	78 06 26	0555	214	416	5.15	100.0	34	5
93.0	200.0	27 10.4	128 48.7	JD	78 06 26	1135	216	415	5.21	100.0	55	2
93.5	29.0	32 45.8	117 25.8	JD	78 06 20	1755	213	365	5.85	41.0	7	67
97.0	29.0	32 17.5	117 04.7	VA	78 06 22	1600	43	104	4.11	50.0	11	6
97.0	30.0	32 16.0	117 07.0	VA	78 06 22	1720	49	122	3.97	50.0	14	59
97.0	32.0	32 12.0	117 15.2	VA	78 06 22	1855	211	426	4.94	40.0	29	5
97.0	35.0	32 05.5	117 27.5	VA	78 06 22	2221	210	416	5.04	48.0	14	1
97.0	40.0	31 56.0	117 48.0	VA	78 06 23	0255	212	387	5.48	44.0	13	20
97.0	45.0	31 46.0	118 08.5	VA	78 06 23	0555	216	364	5.94	48.0	35	14
97.0	50.0	31 36.0	118 30.5	VA	78 06 23	1000	214	379	5.65	46.0	22	12
97.0	55.0	31 25.5	118 49.5	VA	78 06 23	1315	208	369	5.65	50.0	36	6
97.0	60.0	31 15.5	119 10.0	VA	78 06 23	1848	209	479	4.36	48.0	13	24
97.0	70.0	30 55.0	119 50.5	VA	78 06 24	0100	209	434	4.83	100.0	10	2

TABLE 1. (cont.)

CalCOFI Cruise 7807

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
100.0	29.0	31 42.2	116 43.4	VA	78 06 27	1400	78	146	5.33	48.0	0	6
100.0	30.0	31 40.5	116 46.5	VA	78 06 27	1251	85	150	5.68	48.0	1	10
100.0	35.0	31 30.5	117 07.0	VA	78 06 27	0815	214	366	5.85	52.0	15	7
100.0	40.0	31 21.0	117 27.0	VA	78 06 27	0300	212	369	5.74	43.0	5	3
100.0	45.0	31 10.5	117 46.5	VA	78 06 26	2140	213	423	5.04	52.0	6	22
103.0	29.0	31 07.0	116 21.0	VA	78 06 27	1910	15	37	4.00	52.0	0	44
103.0	30.0	31 06.0	116 24.5	VA	78 06 27	2020	57	115	4.92	54.0	3	3
103.0	35.0	30 56.0	116 45.0	VA	78 06 28	0005	208	377	5.50	52.0	5	1
103.0	40.0	30 46.0	117 04.4	VA	78 06 28	0445	215	355	6.07	45.0	12	4
103.0	45.0	30 36.0	117 24.0	VA	78 06 28	0912	215	360	5.98	58.0	7	3
103.0	50.0	30 26.0	117 44.5	VA	78 06 28	1250	215	356	6.04	52.0	20	59
103.0	60.0	30 06.0	118 25.0	VA	78 06 28	1930	215	379	5.67	100.0	71	35
103.0	70.0	29 46.4	119 04.8	VA	78 06 29	0100	213	374	5.69	100.0	51	120
103.0	80.0	29 26.2	119 43.0	VA	78 06 29	0647	213	390	5.46	51.0	28	73
103.0	90.0	29 06.0	120 23.5	VA	78 06 29	1220	215	388	5.53	100.0	103	146
107.0	31.0	30 27.8	116 07.0	VA	78 07 01	1200	29	29	9.81	49.0	0	0
107.0	32.0	30 25.8	116 11.0	VA	78 07 01	1010	215	368	5.85	54.0	0	2
107.0	35.0	30 21.5	116 22.5	VA	78 07 01	0640	213	411	5.18	47.0	2	1
107.0	50.0	29 50.5	117 22.0	VA	78 06 30	1745	207	437	4.75	51.0	9	10
107.0	60.0	29 32.0	118 01.5	VA	78 06 30	1200	210	410	5.12	100.0	25	76
107.0	70.0	29 11.0	118 41.0	VA	78 06 30	0535	212	400	5.30	100.0	263	1446
107.0	80.0	28 51.5	119 20.0	VA	78 06 29	2350	212	411	5.10	100.0	202	291
107.0	90.0	28 32.0	119 59.0	VA	78 06 29	1735	212	395	5.38	100.0	196	305
110.0	32.4	29 51.1	115 49.7	VA	78 07 01	1650	43	89	4.84	49.0	4	4
110.0	35.0	29 45.9	116 00.0	VA	78 07 01	1909	205	415	4.94	100.0	5	5
110.0	40.0	29 36.5	116 19.5	VA	78 07 01	2255	212	404	5.26	100.0	8	8
110.0	50.0	29 16.5	116 59.0	VA	78 07 02	0515	204	407	5.02	51.0	4	15
113.0	29.0	29 24.5	115 13.5	VA	78 07 05	0115	21	54	3.90	100.0	6	114
113.0	30.0	29 22.0	115 18.0	VA	78 07 04	2350	70	156	4.51	100.0	4	14
113.0	45.0	28 52.0	115 56.9	VA	78 07 04	1745	213	383	5.55	100.0	5	15
113.0	50.0	28 41.5	116 18.0	VA	78 07 04	1410	209	401	5.22	100.0	26	9
113.0	60.0	28 22.0	116 36.5	VA	78 07 04	1120	217	395	5.49	100.0	13	25
113.0	90.0	27 22.0	119 12.0	VA	78 07 04	0520	213	411	5.19	100.0	33	135
117.0	25.0	28 54.0	114 37.0	VA	78 07 03	1005	214	420	5.11	100.0	37	99
117.0	26.0	28 56.0	114 41.5	VA	78 07 08	2155	44	89	4.86	50.0	17	22
117.0	30.0	28 48.0	114 56.5	VA	78 07 09	1725	63	128	4.91	50.0	2	121
117.0	35.0	28 38.0	115 16.0	VA	78 07 09	2046	92	183	5.01	100.0	15	4
117.0	40.0	28 28.0	115 35.5	VA	78 07 10	0255	214	291	6.44	47.0	4	9
117.0	45.0	28 18.0	115 56.0	VA	78 07 10	0555	216	337	6.34	49.0	8	3
117.0	50.0	28 08.0	116 15.0	VA	78 07 10	0910	214	355	6.09	100.0	78	24
117.0	60.0	27 48.0	116 53.0	VA	78 07 10	1510	212	365	5.87	54.0	8	11
117.0	70.0	27 27.5	117 32.5	VA	78 07 10	2040	215	377	5.62	100.0	33	35
117.0	80.0	27 07.9	118 10.5	VA	78 07 11	0210	215	363	5.92	100.0	145	195
118.0	39.0	28 18.5	115 23.7	VA	78 07 09	2355	213	380	5.91	47.0	3	10

TABLE 1. (cont.)

CalCOFI Cruise 7807

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
119.0	28 19.0	114 53.0	VA	78 07 09	1315	91	170	5.36	100.0	69	436
120.0	28 25.9	114 10.7	VA	78 07 09	0350	21	50	4.32	100.0	287	306
120.0	28 22.5	114 15.0	VA	78 07 09	0510	43	93	4.67	100.0	10	101
120.0	28 13.0	114 34.0	VA	78 07 09	0750	85	141	6.06	100.0	102	609
120.0	28 03.0	114 54.0	VA	78 07 09	1045	78	141	5.56	100.0	151	111
120.0	27 56.5	115 14.0	VA	78 07 12	0940	36	72	5.02	100.0	66	65
120.0	27 43.0	115 33.0	VA	78 07 12	0550	207	376	5.50	100.0	11	83
120.0	27 33.0	115 52.5	VA	78 07 12	0125	210	388	5.40	55.0	27	8
120.0	27 13.0	116 30.5	VA	78 07 11	1935	213	378	5.63	100.0	37	11
120.0	26 53.0	117 10.0	VA	78 07 11	1335	214	381	5.62	100.0	151	28
120.0	26 32.5	117 49.0	VA	78 07 11	0745	215	376	5.72	100.0	130	128
123.0	27 26.2	114 36.0	VA	78 07 12	1525	48	102	4.73	100.0	14	69
123.0	27 24.0	114 40.0	VA	78 07 12	1625	49	92	5.34	100.0	1	83
123.0	26 58.0	115 31.0	VA	78 07 13	0025	210	379	5.55	100.0	7	17
123.0	26 38.5	116 09.0	VA	78 07 13	0605	212	350	6.05	100.0	16	19
127.0	26 57.5	114 02.2	VA	78 07 14	0331	57	108	5.28	100.0	1	67
127.0	26 55.0	114 06.5	VA	78 07 14	0234	71	147	4.82	100.0	3	142
127.0	26 43.5	114 29.0	VA	78 07 13	2250	212	402	5.28	47.0	36	36
127.0	26 33.0	114 48.5	VA	78 07 13	2000	219	323	6.76	100.0	70	40
127.0	26 23.0	115 08.0	VA	78 07 13	1720	218	326	6.68	100.0	60	28
127.0	26 03.5	115 46.5	VA	78 07 13	1137	212	362	5.86	100.0	142	30
130.0	26 33.0	113 21.0	VA	78 07 14	0930	43	82	5.25	53.0	12	20
130.0	26 29.0	113 29.0	VA	78 07 14	1135	72	128	5.64	48.0	2	6
130.0	26 19.0	113 48.0	VA	78 07 14	1415	209	368	5.67	100.0	74	3
130.0	25 49.0	114 45.0	VA	78 07 14	2258	211	363	5.82	100.0	178	21
130.0	25 29.0	115 24.0	VA	78 07 15	0510	214	353	6.05	100.0	86	11
133.0	26 08.5	112 40.2	VA	78 07 16	0839	57	103	5.50	100.0	122	71
133.0	26 04.5	112 48.0	VA	78 07 16	0724	63	115	5.47	100.0	10	1
133.0	25 54.5	113 07.5	VA	78 07 16	0430	164	256	6.40	100.0	141	3
133.0	25 44.5	113 26.5	VA	78 07 16	0105	217	365	5.94	100.0	144	125
133.0	25 34.5	113 45.5	VA	78 07 15	2235	212	344	6.16	100.0	256	39
133.0	25 14.5	114 24.0	VA	78 07 15	1715	215	364	5.90	100.0	64	36
133.0	24 54.5	115 02.0	VA	78 07 16	1320	212	353	6.01	100.0	34	11
137.0	25 36.1	112 14.8	VA	78 07 16	1415	50	93	5.36	100.0	109	341
137.0	25 34.0	112 19.0	VA	78 07 16	1905	63	112	5.62	100.0	2	108
137.0	25 20.0	112 46.0	VA	78 07 16	2130	212	376	5.64	100.0	63	0
137.0	25 10.0	113 04.5	VA	78 07 16	2130	211	385	5.48	100.0	156	12
137.0	25 00.0	113 23.5	VA	78 07 17	0110	212	372	5.71	100.0	172	26
137.0	24 40.0	114 02.0	VA	78 07 17	0635	212	380	5.58	100.0	215	57
137.0	24 20.0	114 39.5	VA	78 07 17	1210	212	359	5.91	100.0	40	12

TABLE 1. (cont.)

CalCOFI Cruise 7808

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	50.0	122 53.1	JD	78 08 25	0515	35	73	4.76	100.0	8	160
60.0	52.5	123 03.5	JD	78 08 25	0645	77	138	5.61	52.0	5	116
60.0	55.0	123 15.0	JD	78 08 25	0920	94	172	5.48	42.0	15	14
60.0	60.0	123 37.0	JD	78 08 25	1355	213	390	5.45	49.0	8	0
60.0	65.0	123 58.5	JD	78 08 25	1705	213	397	5.37	50.0	14	0
60.0	70.0	124 21.0	JD	78 08 25	2120	216	379	5.68	49.0	17	3
60.0	80.0	125 04.0	JD	78 08 26	0245	211	378	5.58	51.0	22	6
60.0	90.0	125 47.0	JD	78 08 26	1000	218	384	5.68	100.0	19	9
63.0	37 23.3	122 27.8	JD	78 08 25	0045	22	59	3.68	47.0	0	74
63.0	37 19.0	122 36.0	JD	78 08 24	2325	79	140	5.61	51.0	19	294
63.0	37 13.0	122 50.0	JD	78 08 24	2030	214	384	5.58	54.0	10	96
63.0	37 03.1	123 11.8	JD	78 08 24	1635	215	378	5.69	52.0	17	127
63.0	36 53.0	123 33.0	JD	78 08 24	1135	211	388	5.43	49.0	6	1
63.0	36 42.5	123 55.0	JD	78 08 24	0845	216	383	5.64	50.0	6	6
63.0	36 32.5	125 20.2	JD	78 08 26	1615	215	385	5.60	100.0	4	39
66.0	36 53.0	122 01.7	JD	78 08 23	0805	36	69	5.16	53.0	3	159
67.0	36 48.0	122 05.0	JD	78 08 23	1010	212	379	5.59	50.0	20	99
67.0	36 39.5	122 27.0	JD	78 08 23	1350	211	392	5.38	52.0	20	9
67.0	36 28.0	122 50.2	JD	78 08 23	1815	209	404	5.17	52.0	7	4
67.0	36 20.3	123 06.5	JD	78 08 23	2030	216	369	5.86	50.0	13	1
67.0	36 08.4	123 27.8	JD	78 08 24	0035	211	384	5.49	50.0	13	7
67.0	35 28.0	124 55.0	JD	78 08 26	2220	215	388	5.54	100.0	41	10
70.0	36 11.3	121 43.9	JD	78 08 21	1425	77	150	5.15	50.0	2	41
70.0	36 06.5	121 54.1	JD	78 08 21	1225	217	353	6.14	53.0	4	8
70.0	35 53.3	122 22.6	JD	78 08 21	0750	209	400	5.23	50.0	6	3
70.0	35 43.0	122 45.0	JD	78 08 21	0230	213	380	5.62	47.0	8	2
70.0	35 33.0	123 05.9	JD	78 08 21	0000	214	376	5.70	51.0	15	6
70.0	35 13.5	123 45.4	JD	78 08 20	1835	213	396	5.38	49.0	15	5
70.0	34 53.1	124 29.7	JD	78 08 20	1210	211	398	5.30	100.0	64	33
73.0	35 37.0	121 17.0	JD	78 08 19	0235	85	160	5.32	53.0	2	56
73.0	35 32.0	121 28.3	JD	78 08 19	0545	214	382	5.60	50.0	4	5
73.0	35 17.6	121 57.8	JD	78 08 19	1110	210	394	5.32	55.0	11	11
73.0	35 08.0	122 19.0	JD	78 08 19	1345	215	406	5.29	51.0	8	5
73.0	34 57.0	122 40.8	JD	78 08 19	1800	215	385	5.58	100.0	30	12
73.0	34 38.1	123 22.1	JD	78 08 20	0000	213	396	5.39	49.0	9	1
73.0	34 20.0	124 01.4	JD	78 08 20	0520	215	391	5.50	100.0	20	4
77.0	35 02.0	120 56.8	JD	78 08 18	2130	208	387	5.37	51.0	16	0
77.0	34 54.5	121 13.0	JD	78 08 18	1745	213	387	5.50	57.0	1	9
77.0	34 44.0	121 34.0	JD	78 08 18	1300	217	395	5.49	48.0	6	2
77.0	34 34.0	121 55.5	JD	78 08 18	0735	210	394	5.33	51.0	6	5
77.0	34 24.2	122 16.0	JD	78 08 18	0400	210	378	5.57	51.0	10	4
77.0	34 03.6	122 57.8	JD	78 08 17	2115	212	397	5.34	51.0	12	4
77.0	33 43.0	123 39.0	JD	78 08 17	1320	215	400	5.38	100.0	13	4
80.0	34 26.0	120 32.5	JD	78 08 16	0125	138	255	5.42	53.0	4	19
80.0	34 24.8	120 35.8	JD	78 08 16	0325	221	387	5.72	51.0	5	7

TABLE 1. (cont.)

CalCOFI Cruise 7808

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	34 19.0	120 48.0	JD	78 08 16	0715	209	384	5.45	50.0	6	1
80.0	34 09.0	121 09.0	JD	78 08 16	1220	214	389	5.51	51.0	6	0
80.0	33 48.5	121 51.0	JD	78 08 16	1820	212	385	5.51	51.0	3	2
80.0	33 28.7	122 32.0	JD	78 08 17	0000	213	373	5.71	49.0	8	2
80.0	33 09.0	123 13.0	JD	78 08 17	0645	212	373	5.69	100.0	9	4
82.0	34 16.5	119 59.0	JD	78 08 15	0925	212	373	4.39	48.0	24	29
83.0	34 13.0	119 24.0	JD	78 08 15	0435	27	62	5.87	100.0	63	515
83.0	34 10.0	119 29.5	JD	78 08 15	0225	171	292	5.87	48.0	53	435
83.0	33 52.0	120 08.5	JD	78 08 14	1920	211	401	5.25	51.0	29	34
83.0	33 44.0	120 24.5	JD	78 08 14	1550	211	390	5.42	50.0	5	0
83.0	33 34.0	120 45.0	JD	78 08 14	1130	211	383	5.51	42.0	10	2
83.0	33 14.5	121 26.0	JD	78 08 14	0410	215	394	5.46	52.0	11	5
83.0	32 53.3	122 07.8	JD	78 08 13	2120	212	361	5.89	100.0	21	9
83.0	32 34.5	122 50.0	JD	78 08 13	1435	220	381	5.78	100.0	281	338
87.0	33 53.5	118 26.5	JD	78 08 11	0840	21	42	4.96	100.0	11	416
87.0	33 54.5	118 28.0	JD	78 08 11	1000	28	58	4.73	100.0	43	224
87.0	33 53.9	118 29.0	JD	78 08 11	1110	42	81	5.22	55.0	18	104
87.0	33 52.0	118 33.2	JD	78 08 11	1232	64	118	5.43	53.0	7	74
87.0	33 50.0	118 37.5	JD	78 08 11	1435	213	368	5.77	50.0	97	37
87.0	33 49.0	118 40.0	JD	78 08 11	1700	213	362	5.89	100.0	1	39
87.0	33 40.0	118 58.0	JD	78 08 11	2140	211	382	5.52	49.0	10	13
87.0	33 30.0	119 19.0	JD	78 08 12	0205	211	372	5.67	42.0	6	32
87.0	33 20.0	119 39.5	JD	78 08 12	0620	57	115	4.94	100.0	6	30
87.0	33 10.0	120 00.0	JD	78 08 12	0945	210	372	5.65	42.0	0	1
87.0	33 00.0	120 21.5	JD	78 08 12	1445	212	402	5.27	49.0	16	4
87.0	32 39.6	121 02.0	JD	78 08 12	2025	211	392	5.39	100.0	112	33
87.0	32 19.5	121 43.0	JD	78 08 13	0205	215	387	5.55	100.0	57	47
87.0	31 59.0	122 24.0	JD	78 08 13	0830	213	388	5.88	100.0	48	127
89.7	33 03.0	118 48.0	JD	78 08 09	1045	213	364	5.84	47.0	1	0
90.0	33 29.3	117 45.5	JD	78 08 10	0745	27	63	4.30	49.0	17	135
90.0	33 28.5	117 47.0	JD	78 08 10	0605	211	364	5.81	52.0	14	105
90.0	33 27.0	117 49.5	JD	78 08 10	0315	209	380	5.50	50.0	13	286
90.0	33 25.0	117 53.5	JD	78 08 10	0135	217	364	5.96	50.0	13	17
90.0	33 23.0	117 57.7	JD	78 08 09	2235	210	376	5.59	51.0	12	31
90.0	33 18.5	118 07.0	JD	78 08 09	1945	212	367	5.77	48.0	11	0
90.0	33 11.0	118 22.5	JD	78 08 09	1530	216	378	5.70	56.0	1	6
90.0	32 39.0	119 28.5	JD	78 08 09	0305	214	367	5.82	49.0	5	1
90.0	32 22.5	119 58.0	JD	78 08 08	2130	213	371	5.74	100.0	15	3
90.0	32 04.5	120 38.5	JD	78 08 08	1410	220	387	5.67	100.0	30	3
90.0	31 44.4	121 20.8	JD	78 08 08	0810	211	393	5.37	100.0	24	11
90.0	31 24.0	122 01.0	JD	78 08 08	0150	215	391	5.51	100.0	82	58
90.0	31 05.0	122 39.0	JD	78 08 07	1920	209	405	5.15	100.0	322	128
90.0	30 45.1	123 19.9	JD	78 08 07	1335	212	403	5.25	100.0	273	16
90.0	30 25.0	124 00.0	JD	78 08 07	0745	213	399	5.33	100.0	509	36
90.0	30 05.1	124 39.8	JD	78 08 07	0140	214	395	5.42	100.0	535	37

TABLE 1. (cont.)

CALCOFI Cruise 7808

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
90.0	140.0	29 45.0	125 19.6	JD	78 08 06	1945	211	395	5.34	100.0	587	30
90.0	150.0	29 25.1	125 59.2	JD	78 08 06	1305	216	411	5.26	100.0	261	4
90.0	160.0	29 05.0	126 39.6	JD	78 08 06	0730	211	409	5.16	100.0	210	16
90.0	180.0	28 25.1	127 57.3	JD	78 08 05	2155	212	392	5.41	100.0	125	18
93.0	26.7	32 57.2	117 17.8	JD	78 07 31	2055	35	73	4.86	50.0	18	22
93.0	26.9	32 56.8	117 18.3	JD	78 07 31	2240	63	125	5.03	53.0	3	3
93.0	28.0	32 54.7	117 21.8	JD	78 08 01	0135	207	371	5.58	48.0	1	12
93.0	29.0	32 52.7	117 26.6	JD	78 08 01	0515	214	372	5.75	48.0	5	3
93.0	30.0	32 50.5	117 31.0	JD	78 08 01	0855	211	371	5.68	50.0	2	0
93.0	35.0	32 40.5	117 51.5	JD	78 08 01	1230	218	379	5.77	100.0	2	3
93.0	40.0	32 30.0	118 11.5	JD	78 08 01	1825	216	381	5.67	43.0	2	34
93.0	45.0	32 20.0	118 32.0	JD	78 08 01	2220	210	387	5.43	51.0	10	9
93.0	50.0	32 10.0	118 52.5	JD	78 08 02	0435	213	384	5.56	47.0	1	1
93.0	55.0	32 00.8	119 13.2	JD	78 08 02	0820	210	362	5.80	51.0	3	6
93.0	60.0	31 50.0	119 34.0	JD	78 08 02	1550	206	396	5.19	100.0	17	10
93.0	70.0	31 30.0	120 14.0	JD	78 08 02	2340	212	395	5.37	100.0	20	4
93.0	80.0	31 04.0	120 54.5	JD	78 08 03	0615	216	363	5.95	100.0	86	15
93.0	90.0	30 50.0	121 34.5	JD	78 08 03	1240	214	393	5.43	100.0	248	115
93.0	100.0	30 30.0	122 14.0	JD	78 08 03	1827	214	384	5.56	100.0	156	76
93.0	110.0	30 09.5	122 55.0	JD	78 08 04	0130	209	385	5.44	100.0	325	10
93.0	130.0	29 49.0	123 35.0	JD	78 08 04	0815	212	398	5.33	100.0	266	50
93.0	140.0	29 08.2	124 53.4	JD	78 08 04	1440	214	386	5.53	100.0	396	48
93.0	150.0	28 50.4	125 33.6	JD	78 08 05	0155	218	402	5.38	100.0	488	10
93.0	160.0	28 32.6	126 14.8	JD	78 08 05	0655	214	405	5.44	100.0	259	14
93.0	180.0	27 50.4	127 31.0	JD	78 08 05	1630	217	389	5.27	100.0	75	14
93.5	29.0	32 47.5	117 23.5	JD	78 07 31	1735	136	243	5.61	55.0	1	18
97.0	29.0	32 17.5	117 04.7	VA	78 08 01	2245	43	82	5.24	52.0	7	176
97.0	30.0	32 16.0	117 07.0	VA	78 08 02	0020	50	106	4.69	47.0	0	650
97.0	32.0	32 12.0	117 15.2	VA	78 08 02	0207	215	361	5.95	100.0	6	6
97.0	35.0	32 05.5	117 27.5	VA	78 08 02	0550	211	341	6.20	100.0	1	8
97.0	40.0	31 56.0	117 48.0	VA	78 08 02	0945	215	351	6.11	49.0	2	1
97.0	45.0	31 46.0	118 08.5	VA	78 08 02	1250	209	345	6.05	53.0	1	7
97.0	50.0	31 36.0	118 30.5	VA	78 08 02	1650	213	363	5.86	48.0	1	1
97.0	55.0	31 25.5	118 49.5	VA	78 08 02	1940	214	356	6.02	52.0	2	10
97.0	60.0	31 15.5	119 10.0	VA	78 08 03	0120	218	360	6.06	51.0	8	4
97.0	70.0	30 55.0	119 50.5	VA	78 08 03	0725	215	366	5.89	100.0	6	19
97.0	80.0	30 35.0	120 31.0	VA	78 08 03	1345	220	355	6.18	100.0	181	132
97.0	90.0	30 15.5	121 10.5	VA	78 08 03	1925	211	361	5.84	100.0	275	131
97.0	100.0	29 55.0	121 50.0	VA	78 08 04	0100	215	371	5.79	100.0	461	102
100.0	29.0	31 42.2	116 43.4	VA	78 08 06	0520	153	256	5.96	51.0	3	18
100.0	30.0	31 40.5	116 46.5	VA	78 08 06	0355	210	344	6.12	46.0	5	2
100.0	35.0	31 30.5	117 07.0	VA	78 08 05	2340	216	331	6.51	47.0	2	12
100.0	40.0	31 21.0	117 27.0	VA	78 08 05	2000	210	364	5.78	51.0	4	3
100.0	45.0	31 10.5	117 46.5	VA	78 08 05	1605	211	374	5.65	45.0	5	2

TABLE 1. (cont.)

CalCOFI Cruise 7808

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
100.0	50.0	118 07.0	VA	78 08 05	1300	217	344	6.30	56.0	9	5
100.0	60.0	118 47.5	VA	78 08 05	0710	214	344	6.21	100.0	44	6
100.0	70.0	119 27.5	VA	78 08 05	0035	216	358	6.05	100.0	336	36
100.0	80.0	120 07.0	VA	78 08 04	1830	208	373	5.58	100.0	15	26
100.0	90.0	120 47.0	VA	78 08 04	1240	221	328	6.74	100.0	194	222
100.0	100.0	121 26.5	VA	78 08 04	0630	211	364	5.78	100.0	272	4
103.0	29.0	116 21.0	VA	78 08 06	1145	16	27	6.06	100.0	9	404
103.0	30.0	116 24.5	VA	78 08 06	1340	45	77	5.85	51.0	16	38
103.0	30.0	116 45.0	VA	78 08 06	1720	204	359	5.69	37.0	1	4
103.0	30.0	117 04.5	VA	78 08 06	2100	212	367	5.77	42.0	4	0
103.0	40.0	117 24.0	VA	78 08 06	2355	219	351	6.24	48.0	5	9
103.0	50.0	117 44.5	VA	78 08 07	0335	214	343	6.25	51.0	3	0
103.0	60.0	118 25.0	VA	78 08 07	0950	214	357	6.01	100.0	72	8
103.0	70.0	119 04.8	VA	78 08 07	1520	207	355	5.85	100.0	59	29
103.0	80.0	119 43.0	VA	78 08 07	2055	209	339	6.15	100.0	142	22
103.0	90.0	120 23.5	VA	78 08 08	0250	217	343	6.32	100.0	403	23
107.0	31.0	116 07.0	VA	78 08 09	2115	37	60	6.20	47.0	29	144
107.0	32.0	116 11.0	VA	78 08 09	1955	210	346	6.07	52.0	49	4
107.0	35.0	116 22.5	VA	78 08 09	1745	205	353	5.81	56.0	9	4
107.0	40.0	116 42.0	VA	78 08 09	1405	216	320	6.76	100.0	15	10
107.0	45.0	117 02.0	VA	78 08 09	1050	217	328	6.62	52.0	10	16
107.0	50.0	117 22.0	VA	78 08 09	0805	209	353	5.93	54.0	2	9
107.0	60.0	118 01.5	VA	78 08 09	0225	214	353	6.07	100.0	72	22
107.0	70.0	118 37.7	VA	78 08 08	2030	212	351	6.04	100.0	308	12
107.0	80.0	119 20.0	VA	78 08 08	1445	205	353	5.82	100.0	87	45
107.0	90.0	119 59.0	VA	78 08 08	0825	210	368	5.72	100.0	79	18
110.0	32.4	115 49.7	VA	78 08 10	0210	35	78	4.48	50.0	28	159
110.0	35.0	116 00.0	VA	78 08 10	0515	206	349	5.89	51.0	2	3
110.0	40.0	116 19.5	VA	78 08 10	0850	213	323	6.60	51.0	17	7
110.0	45.0	116 39.5	VA	78 08 10	1145	216	326	6.64	100.0	74	11
110.0	50.0	116 59.0	VA	78 08 10	1530	216	346	6.24	100.0	10	10
110.0	60.0	117 39.0	VA	78 08 10	2315	209	426	4.92	51.0	183	25
110.0	70.0	118 18.0	VA	78 08 11	0440	209	355	5.88	100.0	231	83
110.0	80.0	118 57.5	VA	78 08 11	1000	212	375	5.65	100.0	70	26
110.0	90.0	119 35.0	VA	78 08 11	1520	208	359	5.79	100.0	106	74
113.0	29.0	115 18.5	VA	78 08 13	0950	20	43	4.71	100.0	57	475
113.0	30.0	115 18.0	VA	78 08 13	0910	48	93	5.14	100.0	11	232
113.0	35.0	115 38.0	VA	78 08 13	0620	212	362	5.85	100.0	89	29
113.0	40.0	115 57.0	VA	78 08 13	0240	203	360	5.65	100.0	44	4
113.0	45.0	116 18.0	VA	78 08 12	2250	209	351	5.94	100.0	26	8
113.0	50.0	116 36.5	VA	78 08 12	2000	211	349	6.05	49.0	18	8
113.0	60.0	117 16.0	VA	78 08 12	1415	212	336	6.30	100.0	15	65
113.0	70.0	117 55.0	VA	78 08 12	0810	208	345	6.03	100.0	21	34
113.0	80.0	118 33.5	VA	78 08 12	0235	216	375	5.78	100.0	156	191
113.0	90.0	119 12.0	VA	78 08 11	2045	211	357	5.92	100.0	248	240

TABLE 1. (cont.)

CALCOFI Cruise 7808

Line	Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yl. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
117.0	25.0	28 58.0	114 37.0	VA	78 08 17	0300	52	91	5.70	100.0	46	191
117.0	26.0	28 56.0	114 41.5	VA	78 08 17	0355	54	111	4.89	100.0	12	26
117.0	30.0	28 48.0	114 56.5	VA	78 08 18	0000	94	184	5.10	100.0	8	39
117.0	35.0	28 38.0	115 16.0	VA	78 08 18	0310	157	307	5.13	50.0	12	20
117.0	40.0	28 28.0	115 35.5	VA	78 08 18	0910	214	364	5.89	100.0	17	16
117.0	45.0	28 18.0	115 56.0	VA	78 08 18	1205	217	407	5.35	100.0	87	22
117.0	50.0	28 08.0	116 15.0	VA	78 08 18	1530	220	352	6.25	100.0	84	20
117.0	60.0	27 48.0	116 53.0	VA	78 08 18	2140	214	374	5.72	100.0	66	29
117.0	70.0	27 27.5	117 32.5	VA	78 08 19	0310	212	359	5.90	100.0	247	101
117.0	80.0	27 08.0	118 10.5	VA	78 08 19	0850	216	344	6.28	100.0	73	24
118.0	39.0	28 18.5	115 23.7	VA	78 08 18	0605	216	349	6.20	100.0	22	33
119.0	33.0	28 19.0	114 53.0	VA	78 08 17	1935	67	137	4.91	100.0	19	117
120.0	24.0	28 25.0	114 10.7	VA	78 08 17	0850	22	46	4.75	100.0	1033	255
120.0	25.0	28 22.5	114 15.0	VA	78 08 17	1005	44	82	5.42	100.0	813	175
120.0	30.0	28 13.0	114 34.0	VA	78 08 17	1320	74	145	5.15	100.0	127	4767
120.0	35.0	28 03.0	114 54.0	VA	78 08 17	1620	69	122	5.68	100.0	10	107
120.0	40.0	27 56.5	115 14.0	VA	78 08 20	1530	33	72	4.62	100.0	39	308
120.0	45.0	27 43.0	115 33.0	VA	78 08 20	1220	206	370	5.55	100.0	44	56
120.0	50.0	27 33.0	115 52.5	VA	78 08 20	0845	215	351	6.11	100.0	60	8
120.0	60.0	27 13.0	116 30.5	VA	78 08 20	0235	218	368	5.93	100.0	81	26
120.0	70.0	26 53.0	117 10.0	VA	78 08 19	2030	217	336	6.45	100.0	151	35
120.0	80.0	26 32.5	117 49.0	VA	78 08 19	1425	216	385	5.62	100.0	91	16
123.0	36.0	27 26.2	114 36.0	VA	78 08 20	2100	35	75	4.69	100.0	13	218
123.0	37.0	27 24.0	114 40.0	VA	78 08 20	2205	58	101	5.77	100.0	4	78
123.0	42.0	27 14.0	114 59.0	VA	78 08 21	0105	211	378	5.57	100.0	260	16
123.0	45.0	27 08.0	115 11.5	VA	78 08 21	0315	215	356	6.04	100.0	465	16
123.0	50.0	26 58.0	115 31.0	VA	78 08 21	0630	217	349	6.21	100.0	54	32
123.0	60.0	26 38.5	116 09.0	VA	78 08 21	1215	219	338	6.48	100.0	5	91
127.0	33.0	26 57.5	114 02.2	VA	78 08 22	1215	21	53	4.05	100.0	243	328
127.0	34.0	26 55.0	114 06.5	VA	78 08 22	1105	71	129	5.52	100.0	5	202
127.0	40.0	26 43.5	114 29.0	VA	78 08 22	0725	213	367	5.81	100.0	19	7
127.0	45.0	26 33.0	114 48.5	VA	78 08 22	0300	205	392	5.25	100.0	250	42
127.0	50.0	26 23.0	115 08.0	VA	78 08 22	0005	212	377	5.63	100.0	59	24
127.0	60.0	26 03.5	115 46.5	VA	78 08 21	1820	215	346	6.20	100.0	74	53
130.0	28.0	26 33.0	113 21.0	VA	78 08 22	1740	42	89	4.73	100.0	50	308
130.0	30.0	26 29.0	113 29.0	VA	78 08 22	1935	63	117	5.40	100.0	2	4
130.0	35.0	26 19.0	113 48.0	VA	78 08 22	2210	204	372	5.48	100.0	103	46
130.0	40.0	26 09.0	114 07.0	VA	78 08 23	0210	218	341	6.39	100.0	151	9
130.0	50.0	25 49.0	114 45.0	VA	78 08 23	0730	213	354	6.01	100.0	33	42
130.0	60.0	25 29.0	115 24.0	VA	78 08 23	1405	216	369	5.84	100.0	62	18
133.0	23.0	26 08.5	112 40.2	VA	78 08 24	1850	58	95	6.07	100.0	402	84
133.0	25.0	26 04.5	112 48.0	VA	78 08 24	1725	70	135	5.22	100.0	28	162
133.0	30.0	25 54.5	113 07.5	VA	78 08 24	1440	176	336	5.24	100.0	48	15
133.0	35.0	25 44.5	113 26.5	VA	78 08 24	1115	219	382	5.72	100.0	25	62
133.0	40.0	25 34.5	113 45.5	VA	78 08 24	0700	215	365	5.88	100.0	12	80

TABLE 1. (cont.)

CalCOFI Cruise 7808

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
133.0	25 14.5	114 24.0	VA	78 08 24	0125	217	364	5.98	100.0	25	38
133.0	24 54.5	115 02.0	VA	78 08 23	1925	214	360	5.93	100.0	102	23
137.0	25 20.0	112 46.0	VA	78 08 25	0440	211	360	5.87	100.0	3	246
137.0	25 10.0	113 04.5	VA	78 08 25	0705	202	397	5.10	100.0	58	4
137.0	25 00.0	113 23.5	VA	78 08 25	1125	213	352	6.04	100.0	19	14
137.0	24 40.0	114 02.0	VA	78 08 25	1645	214	332	6.45	100.0	77	25

TABLE 2. Pooled occurrences of fish larvae taken during CalCOFI cruises in 1978.

Rank	Taxon	Occurrences
1	<i>Engraulis mordax</i>	501
2	<i>Sebastes</i> spp.	459
3	<i>Vinciguerria lucetia</i>	419
4	<i>Bathylagus ochotensis</i>	416
5	Sternoptychidae	411
6	<i>Protomyctophum crockeri</i>	400
7	<i>Cyclothone</i> spp.	345
8	<i>Triphoturus mexicanus</i>	337
9	<i>Citharichthys</i> spp.	324
10	<i>Bathylagus wesethi</i>	318
11	<i>Stenobranchius leucopsarus</i>	311
12	<i>Lampanyctus</i> spp.	285
13	<i>Leuroglossus stilbius</i>	246
14	<i>Merluccius productus</i>	236
15	Disintegrated fish larva	232
16	<i>Ceratoscopelus townsendi</i>	217
17	<i>Diogenichthys atlanticus</i>	205
18	<i>Melamphaes</i> spp.	190
18	<i>Diogenichthys laternatus</i>	190
20	<i>Symbolophorus californiensis</i>	185
21	Unidentified fish larva	174
22	Myctophidae	160
23	<i>Lampanyctus ritteri</i>	155
24	<i>Citharichthys stigmaeus</i>	151
25	<i>Diaphus</i> spp.	141
26	<i>Trachurus symmetricus</i>	138
27	<i>Chauliodus macouni</i>	137
28	Sciaenidae	127
29	<i>Stomias atriventer</i>	116
30	Gobiidae	83
31	<i>Tarletonbeania crenularis</i>	76
32	<i>Idiacanthus antrostomus</i>	75
32	<i>Icichthys lockingtoni</i>	75
32	<i>Danaphos oculatus</i>	75
35	<i>Lestidiops ringens</i>	74
36	<i>Myctophum nitidulum</i>	70
37	<i>Peprilus simillimus</i>	68
38	<i>Lampanyctus regalis</i>	63
39	<i>Scomber japonicus</i>	61
40	<i>Sebastes paucispinis</i>	59
41	<i>Notoscopelus resplendens</i>	58
42	<i>Oxyjulis californica</i>	57
43	<i>Sardinops sagax</i>	54
44	<i>Paralichthys californicus</i>	51
45	<i>Hypsoblennius</i> spp.	50
45	<i>Bathylagus</i> spp.	50
47	<i>Hygophum atratum</i>	48
47	<i>Microstoma microstoma</i>	48

TABLE 2. (cont.)

Rank	Taxon	Occurrences
49	<i>Sebastes jordani</i>	47
50	<i>Gonichthys tenuiculus</i>	45
50	<i>Bathylagus pacificus</i>	45
52	<i>Poromitra</i> spp.	44
53	Chiasmodontidae	42
53	<i>Ichthyococcus</i> spp.	42
55	<i>Lyopsetta exilis</i>	41
56	<i>Argentina sialis</i>	37
57	<i>Scopelarchus</i> spp.	35
58	Serranidae	33
59	<i>Sebastolobus</i> spp.	32
60	<i>Sebastes aurora</i>	31
60	<i>Notolychnus valdiviae</i>	31
62	<i>Hygophum reinhardtii</i>	30
62	<i>Vinciguerria poweriae</i>	30
64	<i>Microstomus pacificus</i>	28
65	<i>Diogenichthys</i> spp.	27
66	<i>Tetragonurus cuvieri</i>	26
67	<i>Nansenia candida</i>	25
67	Clinidae	25
69	<i>Pleuronichthys verticalis</i>	24
69	Gonostomatidae	24
71	<i>Scopelosaurus</i> spp.	23
71	<i>Rosenblattichthys volucris</i>	23
73	<i>Glyptocephalus zachirus</i>	22
73	<i>Aristostomias scintillans</i>	22
73	<i>Scopelogadus bispinosus</i>	22
73	<i>Hippoglossina stomata</i>	22
77	<i>Parophrys vetulus</i>	21
77	<i>Halichoeres</i> spp.	21
77	<i>Synodus</i> spp.	21
80	<i>Nansenia crassa</i>	20
80	<i>Electrona rissoi</i>	20
82	<i>Lampadena urophaos</i>	19
82	Cottidae	19
84	<i>Notolepis risso</i>	18
84	Ophidiiformes	18
86	<i>Symphurus</i> spp.	17
86	<i>Sebastes macdonaldi</i>	17
88	<i>Bathophilus</i> spp.	16
88	Paralepididae	16
90	<i>Chromis punctipinnis</i>	15
90	<i>Zaniolepis</i> spp.	15
92	Atherinidae	13
93	Trachipteridae	12
93	Gempylidae	12
93	<i>Lepidopus xantusi</i>	12
93	Haemulidae	12
97	<i>Benthalbella dentata</i>	11

TABLE 2. (cont.)

Rank	Taxon	Occurrences
97	<i>Brosmophycis marginata</i>	11
99	<i>Cololabis saira</i>	10
99	<i>Loweina rara</i>	10
101	<i>Etrumeus acuminatus</i>	9
101	<i>Hypsopsetta guttulata</i>	9
101	<i>Howella brodiei</i>	9
104	Carangidae	8
104	<i>Bathylagus milleri</i>	8
104	<i>Sebastes levis</i>	8
104	<i>Scorpaena</i> spp.	8
108	<i>Platichthys stellatus</i>	7
108	<i>Psettichthys melanostictus</i>	7
108	<i>Seriola lalandi</i>	7
108	<i>Tactostoma macropus</i>	7
108	<i>Brama</i> spp.	7
108	<i>Prionotus</i> spp.	7
108	<i>Pleuronichthys ritteri</i>	7
115	<i>Scorpaenichthys marmoratus</i>	6
115	<i>Centrobranchus</i> spp.	6
115	Macrouridae	6
115	<i>Psenes pellucidus</i>	6
115	<i>Photonectes</i> spp.	6
115	<i>Syngnathus</i> spp.	6
115	<i>Xystreurys liolepis</i>	6
115	<i>Ophidion scrippsae</i>	6
115	<i>Pleuronichthys coenosus</i>	6
124	<i>Sudis atrox</i>	5
124	<i>Bathylagus longirostris</i>	5
124	<i>Hygophum</i> spp.	5
124	<i>Scopeloberyx robustus</i>	5
124	Stomiiformes	5
124	<i>Sphyræna argentea</i>	5
130	<i>Girella nigricans</i>	4
130	Ceratioidei	4
130	<i>Semicossyphus pulcher</i>	4
130	<i>Chilara taylori</i>	4
134	<i>Macroramphosus gracilis</i>	3
134	Gobiesocidae	3
134	Cyclopteridae	3
134	Anguilliformes	3
134	<i>Benthalbella</i> spp.	3
134	Gerreidae	3
134	Scopelarchidae	3
134	<i>Valenciennellus stellatus</i>	3
142	<i>Bolinichthys</i> spp.	2
142	<i>Parvilux ingens</i>	2
142	<i>Caulolatilus princeps</i>	2
142	<i>Icosteus aenigmaticus</i>	2
142	Pleuronectiformes	2

TABLE 2. (cont.)

Rank	Taxon	Occurrences
142	<i>Triphoturus nigrescens</i>	2
142	<i>Caristius macropus</i>	2
142	Hexagrammidae	2
142	<i>Coryphaena hippurus</i>	2
142	Eutaeniophoridae	2
142	<i>Diplophos taenia</i>	2
142	<i>Auxis</i> spp.	2
142	<i>Gonostoma</i> spp.	2
155	Exocoetidae	1
155	<i>Scopelarchoides nicholsi</i>	1
155	<i>Euthynnus</i> spp.	1
155	<i>Stemonosudis macrura</i>	1
155	<i>Aulopus</i> spp.	1
155	<i>Hippoglossina</i> spp.	1
155	<i>Medialuna californiensis</i>	1
155	Agonidae	1
155	<i>Taaningichthys minimus</i>	1
155	<i>Isopsetta isolepis</i>	1
155	<i>Eustomias</i> spp.	1
155	Osmeridae	1
155	<i>Mugil</i> spp.	1
155	Moridae	1
155	Scombridae	1
155	<i>Pleuronichthys decurrens</i>	1
155	<i>Opisthonema</i> spp.	1
155	<i>Lepidopsetta bilineata</i>	1
155	<i>Cubiceps caeruleus</i>	1
155	<i>Porichthys</i> spp.	1

TABLE 3. Pooled numbers of fish larvae taken during CalCOFI cruises in 1978. Counts are adjusted for percent of sample sorted and standard haul factor (see text).

Rank	Taxon	Count
1	<i>Engraulis mordax</i>	341053
2	<i>Vinciguerria lucetia</i>	102156
3	<i>Merluccius productus</i>	38616
4	<i>Sebastes</i> spp.	35358
5	Sciaenidae	17094
6	<i>Leuroglossus stilbius</i>	17007
7	<i>Triphoturus mexicanus</i>	16950
8	<i>Stenobranchius leucopsarus</i>	16438
9	<i>Bathylagus ochotensis</i>	12633
10	<i>Bathylagus wesethi</i>	10937
11	<i>Sardinops sagax</i>	9198
12	<i>Citharichthys</i> spp.	9020
13	<i>Ceratoscopelus townsendi</i>	7841
14	<i>Cyclothone</i> spp.	7736
15	<i>Diogenichthys laternatus</i>	7242
16	<i>Trachurus symmetricus</i>	7029
17	<i>Protomyctophum crockeri</i>	5744
18	Sternoptychidae	4774
19	<i>Sebastes jordani</i>	4755
20	<i>Scomber japonicus</i>	4505
21	<i>Lampanyctus</i> spp.	4366
22	<i>Diaphus</i> spp.	3617
23	<i>Diogenichthys atlanticus</i>	3524
24	Disintegrated fish larva	2585
25	<i>Symbolophorus californiensis</i>	2492
26	<i>Lampanyctus ritteri</i>	2344
27	<i>Citharichthys stigmaeus</i>	1984
28	Myctophidae	1832
29	Unidentified fish larva	1785
30	<i>Melamphaes</i> spp.	1755
31	<i>Peprilus simillimus</i>	1458
32	<i>Oxyjulis californica</i>	1444
33	<i>Etrumeus acuminatus</i>	1377
34	<i>Chauliodus macouni</i>	1304
35	<i>Tarletonbeania crenularis</i>	1176
36	<i>Sebastes paucispinis</i>	1116
37	<i>Icichthys lockingtoni</i>	1093
38	<i>Stomias atriventer</i>	1047
39	Gobiidae	981
40	<i>Bathylagus</i> spp.	954
41	Gobiesocidae	902
42	Serranidae	892
43	<i>Idiacanthus antrostomus</i>	830
44	<i>Hypsoblennius</i> spp.	806
45	<i>Lyopsetta exilis</i>	766
46	<i>Sebastolobus</i> spp.	743
47	<i>Lampanyctus regalis</i>	736

TABLE 3. (cont.)

Rank	Taxon	Count
48	<i>Lestidiops ringens</i>	713
49	<i>Paralichthys californicus</i>	701
50	<i>Danaphos oculatus</i>	700
51	<i>Bathylagus pacificus</i>	650
52	<i>Sebastes macdonaldi</i>	637
53	<i>Notoscopelus resplendens</i>	632
54	<i>Notolychnus valdiviae</i>	556
55	<i>Myctophum nitidulum</i>	532
56	<i>Argentina sialis</i>	503
57	Clinidae	498
58	<i>Hygophum atratum</i>	490
59	<i>Sebastes aurora</i>	489
60	<i>Gonichthys tenuiculus</i>	427
61	<i>Parophrys vetulus</i>	402
62	<i>Microstoma microstoma</i>	379
63	<i>Vinciguerrria poweriae</i>	362
64	<i>Poromitra</i> spp.	359
65	<i>Nansenia candida</i>	318
66	Carangidae	317
67	<i>Glyptocephalus zachirus</i>	302
68	Haemulidae	301
68	<i>Microstomus pacificus</i>	301
70	<i>Hygophum reinhardtii</i>	291
71	<i>Scopelarchus</i> spp.	274
72	<i>Ichthyococcus</i> spp.	273
73	Chiasmodontidae	267
74	<i>Halichoeres</i> spp.	263
75	<i>Pleuronichthys verticalis</i>	257
76	<i>Chromis punctipinnis</i>	245
77	<i>Sebastes levis</i>	238
78	<i>Prionotus</i> spp.	222
79	<i>Diogenichthys</i> spp.	221
80	<i>Tetragonurus cuvieri</i>	205
81	<i>Symphurus</i> spp.	193
81	<i>Hippoglossina stomata</i>	193
81	<i>Opisthonema</i> spp.	193
84	<i>Scopelosaurus</i> spp.	192
85	Ophidiiformes	182
85	<i>Aristostomias scintillans</i>	182
87	Paralepididae	178
88	<i>Lampadena urophaos</i>	175
89	Gonostomatidae	164
89	<i>Scopelogadus bispinosus</i>	164
91	Cottidae	161
92	<i>Synodus</i> spp.	158
93	<i>Nansenia crassa</i>	147
94	<i>Rosenblattichthys volucris</i>	144
95	<i>Electrona rissoi</i>	132
96	<i>Bathophilus</i> spp.	116

TABLE 3. (cont.)

Rank	Taxon	Count
97	<i>Lepidopus xantusi</i>	113
98	<i>Zaniolepis</i> spp.	111
98	<i>Brosmophycis marginata</i>	111
100	<i>Platichthys stellatus</i>	109
100	<i>Notolepis risso</i>	109
102	Atherinidae	102
102	<i>Cololabis saira</i>	102
104	Gerreidae	100
105	<i>Bathylagus milleri</i>	97
106	<i>Scorpaena</i> spp.	91
107	Trachipteridae	83
108	<i>Benthalbella dentata</i>	82
109	<i>Macroramphosus gracilis</i>	72
110	<i>Seriola lalandi</i>	71
111	<i>Pleuronichthys coenosus</i>	70
112	<i>Psettichthys melanostictus</i>	66
113	Gempylidae	62
114	<i>Tactostoma macropus</i>	60
115	<i>Hypsopsetta guttulata</i>	59
115	<i>Howella brodiei</i>	59
117	<i>Xystreurys liolepis</i>	58
118	<i>Loweina rara</i>	57
119	Macrouridae	51
120	<i>Sphyraena argentea</i>	50
121	<i>Brama</i> spp.	49
122	<i>Hygophum</i> spp.	48
122	Stomiiformes	48
124	<i>Scorpaenichthys marmoratus</i>	47
125	<i>Chilara taylori</i>	41
126	<i>Ophidion scrippsae</i>	38
127	<i>Psenes pellucidus</i>	36
127	<i>Photonectes</i> spp.	36
129	<i>Pleuronichthys ritteri</i>	33
129	<i>Scopeloberyx robustus</i>	33
131	<i>Sudis atrox</i>	32
132	<i>Centrobranchus</i> spp.	31
133	<i>Syngnathus</i> spp.	30
133	<i>Semicossyphus pulcher</i>	30
135	Ceratioidei	27
136	<i>Bathylagus longirostris</i>	26
137	Scopelarchidae	23
138	<i>Caulolatilus princeps</i>	21
138	Agonidae	21
140	Cyclopteridae	20
141	<i>Girella nigricans</i>	19
142	<i>Benthalbella</i> spp.	17
142	Eutaeniophoridae	17
144	<i>Bolinichthys</i> spp.	16
144	<i>Valenciennellus stellatus</i>	16

TABLE 3. (cont.)

Rank	Taxon	Count
144	<i>Diplophos taenia</i>	16
144	Anguilliformes	16
144	Pleuronectiformes	16
149	<i>Icosteus aenigmaticus</i>	15
150	<i>Auxis</i> spp.	12
150	<i>Mugil</i> spp.	12
150	<i>Caristius macropus</i>	12
150	<i>Lepidopsetta bilineata</i>	12
150	<i>Coryphaena hippurus</i>	12
150	<i>Pleuronichthys decurrens</i>	12
150	<i>Hippoglossina</i> spp.	12
157	<i>Gonostoma</i> spp.	11
157	<i>Triphoturus nigrescens</i>	11
159	<i>Parvilux ingens</i>	10
159	<i>Isopsetta isolepis</i>	10
159	<i>Aulopus</i> spp.	10
162	Hexagrammidae	9
163	Exocoetidae	6
163	<i>Medialuna californiensis</i>	6
163	<i>Euthynnus</i> spp.	6
166	<i>Taaningichthys minimus</i>	5
166	Scombridae	5
166	<i>Eustomias</i> spp.	5
166	Osmeridae	5
166	Moridae	5
166	<i>Cubiceps caeruleus</i>	5
166	<i>Stemonosudis macrura</i>	5
166	<i>Scopelarchoides nicholsi</i>	5
174	<i>Porichthys</i> spp.	4
	Total	738964

TABLE 4. Numbers of fish larvae taken on stations occupied during CalCOFI cruises in 1978. Counts are adjusted for percent of sample sorted and standard haul factor (see text). Average number is given for stations occupied twice during a single month. Unoccupied stations are indicated by a dash.

Anguilliformes												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	180.0	-	-	-	5.5	-	0.0	-	0.0	-	-	-
110.0	70.0	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-
130.0	60.0	4.6	-	0.0	-	-	-	0.0	0.0	-	-	-
<i>Etrumeus acuminatus</i>												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
119.0	33.0	0.0	-	0.0	-	-	-	5.4	0.0	-	-	-
120.0	24.0	0.0	-	0.0	-	-	-	4.3	760.0	-	-	-
120.0	25.0	0.0	-	0.0	-	-	-	0.0	346.9	-	-	-
120.0	40.0	0.0	-	0.0	-	-	-	5.0	0.0	-	-	-
130.0	28.0	0.0	-	0.0	-	-	-	9.9	52.0	-	-	-
133.0	23.0	0.0	-	0.0	-	-	-	0.0	188.2	-	-	-
133.0	25.0	0.0	-	0.0	-	-	-	0.0	5.2	-	-	-
<i>Opisthonema</i> spp.												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
137.0	22.0	0.0	-	0.0	-	-	-	193.0	-	-	-	-
<i>Sardinops sagax</i>												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	32.5	0.0	-	0.0	2.9	0.0	-	0.0	0.0	-	-	-
87.0	32.7	0.0	-	0.0	0.0	0.0	-	0.0	4.7	-	-	-
87.0	33.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	27.6	0.0	5.3	-	0.0	0.0	-	0.0	0.0	-	-	-
93.0	30.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
97.0	29.0	0.0	4.7	-	0.0	-	8.2	-	10.1	-	-	-
97.0	30.0	0.0	5.1	-	0.0	-	8.7	-	0.0	-	-	-
97.0	35.0	0.0	0.0	-	0.0	-	5.2	-	0.0	-	-	-
103.0	29.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	31.0	0.0	0.0	-	0.0	-	0.0	0.0	18.2	-	-	-
110.0	32.4	0.0	0.0	-	0.0	-	0.0	0.0	52.8	-	-	-
113.0	29.0	0.0	0.0	-	0.0	-	0.0	0.0	47.1	-	-	-
113.0	30.0	0.0	0.0	-	0.0	-	-	0.0	15.4	-	-	-
117.0	25.0	0.0	-	-	-	-	-	0.0	57.0	-	-	-
117.0	26.0	0.0	0.0	-	-	-	-	0.0	4.9	-	-	-
117.0	60.0	0.0	0.0	-	-	-	-	0.0	11.4	-	-	-
118.0	39.0	0.0	5.2	-	-	-	-	0.0	6.2	-	-	-

TABLE 4. (cont.)

Sardinops sagax (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
119.0	-	0.0	-	0.0	-	-	-	69.7	0.0	-	-	-
120.0	-	39.5	-	52.9	-	-	-	64.8	3234.8	-	-	-
120.0	-	0.0	-	0.0	-	-	-	4.7	2926.8	-	-	-
120.0	-	0.0	-	0.0	-	-	-	24.2	370.8	-	-	-
120.0	-	0.0	-	0.0	-	-	-	0.0	5.7	-	-	-
120.0	-	11.1	-	0.0	-	-	-	175.7	41.6	-	-	-
120.0	-	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-
127.0	-	0.0	-	0.0	-	-	-	56.2	0.0	-	-	-
127.0	-	0.0	-	0.0	-	-	-	0.0	15.8	-	-	-
130.0	-	4.6	-	0.0	-	-	-	49.5	28.4	-	-	-
130.0	-	0.0	-	0.0	-	-	-	-	12.8	-	-	-
133.0	-	0.0	-	0.0	-	-	-	225.5	934.8	-	-	-
133.0	-	0.0	-	0.0	-	-	-	0.0	10.4	-	-	-
137.0	-	0.0	-	0.0	-	-	-	193.0	-	-	-	-

Engraulis mordax

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	-	0.0	-	61.9	78.4	-	-	0.0	4.8	-	-	-
60.0	-	-	-	100.2	896.6	0.0	-	0.0	0.0	-	-	-
60.0	-	0.0	-	132.2	11.4	0.0	-	0.0	0.0	-	-	-
63.0	-	4.1	-	104.7	1251.0	-	-	0.0	0.0	-	-	-
63.0	-	384.0	-	179.7	350.1	0.0	-	0.0	66.0	-	-	-
63.0	-	0.0	-	39.8	22.3	21.5	-	0.0	0.0	-	-	-
63.0	-	0.0	-	10.2	0.0	18.0	-	0.0	0.0	-	-	-
63.0	-	0.0	-	9.5	-	-	-	0.0	0.0	-	-	-
66.0	-	14.1	-	53.0	152.5	-	-	0.0	0.0	-	-	-
67.0	-	4.8	-	25.7	381.4	13.8	-	0.0	0.0	-	-	-
67.0	-	237.4	-	0.0	21.9	14.1	-	0.0	0.0	-	-	-
67.0	-	0.0	-	0.0	0.0	23.5	-	0.0	0.0	-	-	-
70.0	-	9.4	-	0.0	39.7	0.0	-	0.0	0.0	-	-	-
70.0	-	0.0	-	0.0	59.9	24.5	-	0.0	0.0	-	-	-
70.0	-	0.0	-	18.5	0.0	24.9	-	0.0	0.0	-	-	-
73.0	-	0.0	-	1555.7	75.7	0.0	-	0.0	0.0	-	-	-
73.0	-	0.0	-	80.6	10.2	36.1	-	0.0	0.0	-	-	-
73.0	-	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	-	0.0	-	9.2	0.0	-	-	0.0	0.0	-	-	-
73.0	-	0.0	-	0.0	0.0	23.2	-	0.0	0.0	-	-	-
77.0	-	3.7	-	612.9	126.8	-	-	0.0	-	-	-	-
77.0	-	10.3	-	404.0	52.0	0.0	-	0.0	0.0	-	-	-
77.0	-	522.6	-	10.2	0.0	62.5	-	0.0	0.0	-	-	-
77.0	-	502.2	-	24.9	0.0	0.0	-	0.0	0.0	-	-	-
77.0	-	0.0	-	0.0	0.0	47.5	-	0.0	0.0	-	-	-
77.0	-	0.0	-	0.0	-	5.9	-	14.8	0.0	-	-	-
80.0	-	63.3	-	1969.1	20.3	72.9	-	11.5	0.0	-	-	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	474.3	1585.1	11.4	—	—	—	—	0.0	0.0	—	—	—
80.0	0.0	128.3	22.0	—	—	—	—	39.7	0.0	—	—	—
80.0	0.0	90.0	12.1	—	—	—	—	20.1	0.0	—	—	—
80.0	0.0	0.0	0.0	—	—	—	—	0.0	0.0	—	—	—
80.0	0.0	0.0	—	—	—	—	—	0.0	0.0	—	—	—
80.0	0.0	0.0	—	—	—	—	—	0.0	0.0	—	—	—
82.0	834.9	1347.1	46.3	—	—	—	—	12.1	47.3	—	—	—
83.0	833.1	—	255.6	—	—	—	—	18.8	219.5	—	—	—
83.0	2116.2	2612.9	329.1	—	—	—	—	151.8	476.9	—	—	—
83.0	1693.1	485.6	1293.7	—	—	—	—	22.5	82.4	—	—	—
83.0	479.1	96.9	1636.2	—	—	—	—	94.5	0.0	—	—	—
83.0	5.2	0.0	0.0	—	—	—	—	66.9	0.0	—	—	—
83.0	10.8	0.0	0.0	—	—	—	—	0.0	0.0	—	—	—
83.0	5.4	0.0	—	—	—	—	—	0.0	0.0	—	—	—
83.0	—	0.0	—	—	—	—	—	0.0	0.0	—	—	—
83.0	—	0.0	—	—	—	—	—	0.0	0.0	—	—	—
87.0	984.0	1688.6	14.5	—	—	—	—	0.0	0.0	—	—	—
87.0	32.5	1701.5	1062.5	—	—	—	—	60.9	14.9	—	—	—
87.0	32.7	6867.0	357.1	—	—	—	—	156.5	132.4	—	—	—
87.0	33.0	2192.3	2520.0	—	—	—	—	78.2	28.5	—	—	—
87.0	34.0	5433.6	4373.3	—	—	—	—	113.2	174.2	—	—	—
87.0	35.0	891.0	3297.1	—	—	—	—	145.5	1119.4	—	—	—
87.0	36.0	427.9	2503.7	—	—	—	—	165.7	0.0	—	—	—
87.0	40.0	1269.4	0.0	—	—	—	—	0.0	11.3	—	—	—
87.0	45.0	218.0	0.0	—	—	—	—	13.4	0.0	—	—	—
87.0	137.8	0.0	1254.0	—	—	—	—	45.5	0.0	—	—	—
87.0	216.4	10.2	71.6	—	—	—	—	19.1	0.0	—	—	—
87.0	0.0	0.0	5.7	—	—	—	—	0.0	0.0	—	—	—
87.0	0.0	5.2	0.0	—	—	—	—	0.0	0.0	—	—	—
87.0	0.0	581.1	1566.4	—	—	—	—	0.0	0.0	—	—	—
90.0	731.4	154.4	2236.8	—	—	—	—	0.0	0.0	—	—	—
90.0	1572.6	440.8	4046.9	—	—	—	—	10.3	22.0	—	—	—
90.0	327.5	366.8	1956.0	—	—	—	—	24.0	83.4	—	—	—
90.0	377.4	568.4	11258.2	—	—	—	—	201.2	65.8	—	—	—
90.0	194.8	2161.2	16861.4	—	—	—	—	140.3	96.2	—	—	—
90.0	201.8	523.0	11890.9	—	—	—	—	109.3	0.0	—	—	—
90.0	108.8	1055.5	279.3	—	—	—	—	—	—	—	—	—
90.0	3745.9	10.0	757.3	—	—	—	—	—	—	—	—	—
90.0	155.3	0.0	1880.6	—	—	—	—	—	—	—	—	—
90.0	0.0	0.0	0.0	—	—	—	—	—	—	—	—	—
90.0	0.0	0.0	0.0	—	—	—	—	—	—	—	—	—
90.0	0.0	5.5	0.0	—	—	—	—	—	—	—	—	—
90.0	100.0	591.3	633.3	1639.3	—	—	—	68.0	—	—	—	—
93.0	26.7	1225.1	1820.3	2186.9	—	—	—	19.0	—	—	—	—
93.0	431.7	1150.9	2112.2	3543.1	—	—	—	—	—	—	—	—
93.0	49.9	238.9	632.1	2418.6	—	—	—	—	—	—	—	—
93.0	29.0	50.5	8047.9	2211.7	—	—	—	—	—	—	—	—
93.0	30.0	50.8	8047.9	88.3	—	—	—	—	—	—	—	—
93.0	35.0	325.8	972.8	5513.7	—	—	—	—	—	—	—	—
93.0	40.0	406.0	1776.6	24.0	—	—	—	—	—	—	—	—

TABLE 4. (cont.)

		<i>Engraulis mordax</i> (cont.)											
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	
93.0	45.0	22.2	22.1	245.8	12.3		0.0		0.0				
93.0	50.0	0.0	0.0	12.2	0.0	35.3	0.0		0.0				
93.0	60.0	0.0	0.0	5.4	0.0	9.6	0.0		0.0				
93.0	130.0					0.0	0.0		0.0				
97.0	29.0	16.4	326.9	1281.1			74.0		30.2				
97.0	30.0	24.0	218.1	1130.6			64.2		0.0				
97.0	32.0	0.0	9.4	2240.6			127.8		5.9				
97.0	35.0	0.0	553.3	1107.7			0.0		0.0				
97.0	40.0	0.0	1432.9	1121.7			16.9		0.0				
97.0	45.0	0.0	155.7	912.0			5.0		0.0				
97.0	50.0	0.0	0.0	2350.2			17.3		0.0				
97.0	55.0	0.0	0.0	120.4			5.7		0.0				
97.0	60.0	0.0	0.0	6.0			0.0		0.0				
97.0	80.0		0.0	0.0					0.0				
100.0	29.0	67.8	711.3	441.1			8.8		0.0				
100.0	30.0	27.2	444.4	1579.4			44.6		39.9				
100.0	35.0	11.5	31.9	20.2			0.0		0.0				
100.0	40.0	0.0	0.0	27.0			10.1		0.0				
100.0	45.0	0.0	10.0	79.9			0.0		0.0				
100.0	50.0	0.0	0.0	9.8			0.0		0.0				
103.0	29.0	105.2	123.3	25.6			0.0		18.2				
103.0	30.0	26.0	381.6	389.8			10.1		34.4				
103.0	40.0	0.0		450.4			0.0		0.0				
103.0	50.0	0.0	0.0	5.0			0.0		0.0				
103.0	60.0	0.0	0.0	10.8			0.0		0.0				
107.0	31.0	67.2	36.2	4500.6			0.0		66.0				
107.0	32.0	50.2	0.0	649.0			0.0		23.3				
107.0	35.0	0.0	0.0	22.0			0.0		0.0				
107.0	40.0	0.0	16.0	0.0			0.0		0.0				
107.0	45.0	15.6	38.1	0.0			0.0		0.0				
110.0	32.4	154.7	280.5	1402.6			0.0		0.0				
110.0	35.0	0.0	0.0	0.0			0.0		0.0				
110.0	40.0	0.0	0.0	35.8			0.0		0.0				
110.0	45.0	0.0	0.0	40.4			0.0		0.0				
110.0	50.0	0.0	11.1	26.5			0.0		0.0				
113.0	29.0	245.7	344.5	705.2			0.0		7.8				
113.0	30.0	107.0	348.3	2175.6			0.0		9.4				
113.0	35.0	46.3	0.0	2846.7			0.0		5.1				
113.0	40.0	0.0	0.0	79.5			0.0		58.5				
113.0	45.0	0.0	76.1	31.7			0.0		0.0				
113.0	50.0	0.0	16.0	10.6			0.0		0.0				
117.0	25.0		690.4				0.0		17.1				
117.0	26.0		1268.5	1312.3					155.5				
117.0	30.0		19.1	816.9					9.8				
117.0	35.0		198.7	977.3					5.1				
117.0	40.0		8.6	1581.3					0.0				

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
117.0	45.0	4.7	326.6	-	-	-	-	0.0	0.0	-	-	-
117.0	50.0	4.0	28.7	-	-	-	-	0.0	0.0	-	-	-
118.0	39.0	34.2	387.8	-	-	-	-	0.0	49.6	-	-	-
119.0	33.0	518.8	-	-	-	-	-	42.9	0.0	-	-	-
120.0	24.0	126.4	-	332.0	-	-	-	829.4	9.5	-	-	-
120.0	25.0	389.0	-	154.7	-	-	-	9.3	59.6	-	-	-
120.0	30.0	621.7	-	381.6	-	-	-	78.8	56.7	-	-	-
120.0	35.0	84.4	-	130.8	-	-	-	328.0	17.0	-	-	-
120.0	40.0	457.6	-	322.6	-	-	-	50.2	9.2	-	-	-
120.0	45.0	0.0	-	510.7	-	-	-	16.5	0.0	-	-	-
120.0	60.0	5.2	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	70.0	0.0	-	4.9	-	-	-	0.0	0.0	-	-	-
123.0	36.0	452.4	-	19.9	-	-	-	0.0	9.4	-	-	-
123.0	37.0	112.6	-	246.8	-	-	-	0.0	0.0	-	-	-
123.0	42.0	105.1	-	-	-	-	-	-	0.0	-	-	-
123.0	45.0	456.0	-	431.5	-	-	-	-	0.0	-	-	-
123.0	50.0	986.7	-	0.0	-	-	-	0.0	0.0	-	-	-
127.0	33.0	32.7	-	56.9	-	-	-	0.0	0.0	-	-	-
127.0	34.0	414.5	-	158.4	-	-	-	14.5	0.0	-	-	-
127.0	40.0	-	-	57.1	-	-	-	0.0	40.7	-	-	-
127.0	45.0	4.7	-	47.1	-	-	-	0.0	0.0	-	-	-
127.0	50.0	4.6	-	1215.2	-	-	-	0.0	0.0	-	-	-
130.0	28.0	1575.4	-	254.3	-	-	-	9.9	4.7	-	-	-
130.0	30.0	422.8	-	203.3	-	-	-	0.0	0.0	-	-	-
130.0	35.0	2250.3	-	10.6	-	-	-	5.7	169.9	-	-	-
130.0	40.0	0.0	-	85.9	-	-	-	-	6.4	-	-	-
130.0	50.0	10.2	-	724.7	-	-	-	0.0	0.0	-	-	-
133.0	23.0	2394.3	-	6888.0	-	-	-	291.5	303.5	-	-	-
133.0	25.0	1563.8	-	2378.2	-	-	-	16.4	47.0	-	-	-
133.0	30.0	853.7	-	250.9	-	-	-	0.0	36.7	-	-	-
133.0	35.0	460.2	-	70.3	-	-	-	0.0	0.0	-	-	-
133.0	40.0	23.8	-	0.0	-	-	-	12.3	0.0	-	-	-
137.0	22.0	1632.4	-	341.1	-	-	-	16.1	-	-	-	-
137.0	23.0	3637.7	-	1080.9	-	-	-	5.6	-	-	-	-
137.0	30.0	1305.9	-	1030.3	-	-	-	0.0	0.0	-	-	-
137.0	35.0	262.6	-	31.6	-	-	-	0.0	0.0	-	-	-
137.0	40.0	29.6	-	0.0	-	-	-	0.0	0.0	-	-	-

Argentina sialis

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
67.0	60.0	0.0	-	0.0	11.0	0.0	-	0.0	0.0	-	-	-
70.0	70.0	11.9	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	52.0	12.3	-	0.0	0.0	-	-	0.0	0.0	-	-	-
82.0	47.0	10.7	-	0.0	0.0	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Argentina sialis (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	80.0	0.0	-	0.0	-	0.0	-	0.0	5.9	-	-	-
87.0	36.0	0.0	-	0.0	-	-	-	11.8	0.0	-	-	-
90.0	28.0	0.0	0.0	0.0	-	0.0	-	11.6	0.0	-	-	-
90.0	29.0	5.5	13.9	0.0	-	0.0	-	0.0	11.0	-	-	-
90.0	30.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	-	-
90.0	31.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	-	-	-
93.0	28.0	12.2	5.9	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	29.0	48.9	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	30.0	53.3	0.0	0.0	-	0.0	0.0	-	22.7	-	-	-
97.0	35.0	0.0	0.0	-	-	-	5.2	-	0.0	-	-	-
100.0	29.0	0.0	5.2	-	-	-	0.0	-	0.0	-	-	-
100.0	30.0	0.0	0.0	19.8	-	-	0.0	-	0.0	-	-	-
103.0	45.0	0.0	0.0	18.2	-	-	0.0	-	0.0	-	-	-
107.0	32.0	0.0	0.0	0.0	-	-	5.7	-	0.0	-	-	-
107.0	35.0	5.4	0.0	8.8	-	-	22.9	0.0	0.0	-	-	-
110.0	60.0	5.3	0.0	0.0	-	-	0.0	0.0	0.0	-	-	-
113.0	45.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	-
117.0	35.0	0.0	0.0	13.3	-	-	-	0.0	0.0	-	-	-
117.0	40.0	0.0	5.8	-	-	-	-	27.4	0.0	-	-	-
117.0	45.0	4.7	0.0	-	-	-	-	0.0	5.9	-	-	-
118.0	39.0	9.8	0.0	-	-	-	-	12.6	0.0	-	-	-

Microstoma microstoma

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	80.0	5.7	-	-	-	0.0	-	0.0	0.0	-	-	-
60.0	90.0	-	-	-	-	0.0	-	0.0	5.7	-	-	-
63.0	90.0	-	-	-	-	0.0	-	5.4	0.0	-	-	-
67.0	70.0	0.0	-	0.0	-	0.0	-	0.0	11.0	-	-	-
70.0	90.0	0.0	-	5.6	-	0.0	-	0.0	5.3	-	-	-
73.0	53.0	0.0	-	0.0	-	0.0	-	12.4	0.0	-	-	-
73.0	80.0	0.0	-	0.0	-	0.0	-	5.1	0.0	-	-	-
73.0	90.0	0.0	-	0.0	-	11.5	-	0.0	0.0	-	-	-
77.0	70.0	0.0	-	0.0	-	0.0	-	5.3	0.0	-	-	-
77.0	90.0	0.0	-	0.0	-	0.0	-	5.5	5.4	-	-	-
80.0	70.0	0.0	-	0.0	-	0.0	-	0.0	10.8	-	-	-
80.0	80.0	11.3	-	0.0	-	0.0	-	0.0	11.7	-	-	-
80.0	90.0	0.0	-	5.4	-	4.9	-	0.0	0.0	-	-	-
83.0	55.0	0.0	-	0.0	-	-	-	0.0	0.0	-	-	-
83.0	70.0	10.6	-	0.0	-	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	0.0	5.7	-	0.0	-	0.0	0.0	-	-	-
87.0	80.0	0.0	0.0	-	-	0.0	-	5.2	0.0	-	-	-
90.0	70.0	0.0	0.0	0.0	-	0.0	-	-	0.0	-	-	-
90.0	80.0	0.0	0.0	0.0	-	0.0	-	-	11.3	-	-	-
90.0	90.0	5.1	-	0.0	-	0.0	-	-	0.0	-	-	-
90.0	90.0	-	-	-	-	-	-	-	0.0	-	-	-

TABLE 4. (cont.)

Microstoma microstoma (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	40.0	0.0	0.0	0.0	-	0.0	0.0	-	13.2	-	-	-
93.0	55.0	0.0	0.0	5.2	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	-	0.0	0.0	-	5.2	-	-	-
93.0	80.0	0.0	5.8	-	0.0	0.0	0.0	-	0.0	-	-	-
97.0	50.0	0.0	0.0	-	0.0	5.8	0.0	-	0.0	-	-	-
97.0	60.0	0.0	0.0	-	0.0	-	0.0	-	11.9	-	-	-
97.0	70.0	-	0.0	-	0.0	-	2.5	-	5.9	-	-	-
100.0	50.0	5.4	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
100.0	80.0	0.0	5.6	-	0.0	0.0	0.0	-	0.0	-	-	-
103.0	40.0	0.0	0.0	-	0.0	-	6.7	-	0.0	-	-	-
103.0	60.0	0.0	0.0	-	-	-	5.2	-	0.0	-	-	-
103.0	80.0	2.8	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	60.0	0.0	0.0	-	-	-	2.6	-	0.0	-	-	-
107.0	80.0	0.0	0.0	-	-	-	3.0	-	0.0	-	-	-
110.0	50.0	0.0	0.0	-	0.0	-	16.2	0.0	0.0	-	-	-
110.0	60.0	0.0	0.0	-	-	-	5.2	-	0.0	-	-	-
113.0	35.0	0.0	0.0	-	0.0	-	-	-	0.0	-	-	-
127.0	50.0	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-

Nansenia candida

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	80.0	0.0	-	-	-	9.3	-	0.0	-	-	-	-
67.0	60.0	10.6	-	14.7	0.0	0.0	-	0.0	0.0	-	-	-
67.0	65.0	0.0	-	12.0	-	-	-	0.0	0.0	-	-	-
67.0	80.0	0.0	-	8.3	-	0.0	-	0.0	-	-	-	-
70.0	51.0	0.0	-	0.0	0.0	23.2	-	0.0	0.0	-	-	-
70.0	70.0	0.0	-	0.0	0.0	5.7	-	0.0	0.0	-	-	-
70.0	80.0	0.0	-	21.3	-	5.4	-	0.0	0.0	-	-	-
70.0	90.0	0.0	-	44.4	-	5.8	-	0.0	0.0	-	-	-
73.0	60.0	0.0	-	0.0	0.0	6.1	-	0.0	0.0	-	-	-
73.0	70.0	0.0	-	8.1	0.0	11.6	-	0.0	0.0	-	-	-
73.0	80.0	0.0	-	10.7	0.0	0.0	-	0.0	0.0	-	-	-
73.0	90.0	0.0	-	0.0	-	11.5	-	0.0	0.6	-	-	-
77.0	55.0	0.0	-	0.0	0.0	25.0	-	11.3	0.0	-	-	-
77.0	60.0	5.4	-	0.0	0.0	12.1	-	0.0	0.0	-	-	-
77.0	70.0	0.0	-	30.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	80.0	0.0	-	10.5	-	0.0	-	0.0	0.0	-	-	-
77.0	90.0	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	-
80.0	60.0	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	-
80.0	80.0	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	-
83.0	90.0	0.0	-	0.0	-	4.9	-	0.0	0.0	-	-	-
87.0	80.0	0.0	0.0	-	-	5.0	-	0.0	0.0	-	-	-
87.0	90.0	0.0	0.0	-	-	5.1	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Nansenia crassa

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	5.8	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	0.0	0.0	0.0	-	11.5	-	0.0	-	0.0	-	-	-
107.0	0.0	0.0	0.0	-	5.6	-	0.0	-	0.0	-	-	-
110.0	0.0	0.0	0.0	-	10.9	-	0.0	0.0	0.0	-	-	-
110.0	-	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-
113.0	0.0	0.0	0.0	-	22.8	-	-	-	0.0	-	-	-
113.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	5.7	-	-	-
113.0	0.0	0.0	5.3	-	-	-	0.0	0.0	0.0	-	-	-
117.0	0.0	0.0	5.7	-	-	-	-	0.0	0.0	-	-	-
117.0	-	4.4	0.0	-	-	-	-	0.0	0.0	-	-	-
120.0	-	0.0	-	4.7	-	-	-	0.0	0.0	-	-	-
120.0	-	15.6	-	0.0	-	-	-	0.0	0.0	-	-	-
123.0	-	4.8	-	0.0	-	-	-	-	0.0	-	-	-
123.0	-	5.2	-	0.0	-	-	-	0.0	0.0	-	-	-
133.0	-	5.9	-	0.0	-	-	-	0.0	5.9	-	-	-
133.0	-	5.4	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0	-	4.9	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0	-	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-
137.0	-	0.0	-	0.0	-	-	-	5.9	-	-	-	-

Bathylagus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	-	22.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
67.0	-	0.0	-	0.0	0.0	28.3	-	13.5	0.0	-	-	-
67.0	-	0.0	-	0.0	0.0	23.5	-	0.0	0.0	-	-	-
73.0	-	0.0	-	0.0	10.2	0.0	-	0.0	0.0	-	-	-
73.0	-	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	-	0.0	-	0.0	0.0	0.0	-	10.3	0.0	-	-	-
77.0	-	26.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	-	0.0	-	11.0	0.0	-	-	3.0	0.0	-	-	-
80.0	-	5.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	-	0.0	-	20.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	-	10.9	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	0.0	11.4	-	0.0	0.0	-	-	0.0	0.0	-	-	-
83.0	0.0	0.0	-	24.2	0.0	-	-	0.0	0.0	-	-	-
83.0	36.0	0.0	-	0.0	0.0	0.0	-	11.2	0.0	-	-	-
83.0	118.4	0.0	-	0.0	10.3	0.0	-	0.0	0.0	-	-	-
83.0	-	10.5	-	0.0	-	0.0	-	0.0	0.0	-	-	-
83.0	0.0	0.0	-	17.5	0.0	0.0	-	0.0	0.0	-	-	-
87.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	0.0	20.5	0.0	-	0.0	10.4	-	0.0	0.0	-	-	-
87.0	0.0	5.3	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	0.0	5.5	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	0.0	0.0	10.9	-	0.0	0.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Bathylagus spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	31.0	0.0	0.0	-	0.0	0.0	-	0.0	11.0	-	-	-
90.0	33.0	0.0	12.4	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	37.0	0.0	0.0	-	90.1	0.0	-	0.0	0.0	-	-	-
90.0	45.0	0.0	22.3	-	0.0	0.0	0.0	-	-	-	-	-
90.0	53.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	70.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	100.0	0.0	0.0	-	0.0	-	5.4	-	0.0	-	-	-
93.0	28.0	0.0	5.9	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	35.0	0.0	71.5	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	55.0	0.0	0.0	5.2	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	100.0	-	5.5	-	0.0	-	0.0	-	0.0	-	-	-
93.0	150.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
97.0	40.0	0.0	51.5	-	0.0	-	0.0	-	0.0	-	-	-
97.0	45.0	0.0	12.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	50.0	0.0	23.7	-	0.0	-	0.0	-	0.0	-	-	-
97.0	60.0	0.0	6.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	30.0	0.0	5.3	-	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	90.0	0.0	0.0	-	0.0	-	0.0	-	33.7	-	-	-
113.0	35.0	0.0	0.0	-	11.4	-	0.0	-	0.0	-	-	-
113.0	60.0	0.0	0.0	-	-	-	5.4	0.0	0.0	-	-	-

Bathylagus longirostris

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	190.0	-	-	-	5.4	-	0.0	-	-	-	-	-
90.0	200.0	-	-	-	5.2	-	0.0	-	-	-	-	-
93.0	150.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0	170.0	-	-	-	0.0	-	5.2	-	-	-	-	-
93.0	200.0	-	-	-	5.0	-	0.0	-	-	-	-	-

Bathylagus milleri

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	65.0	-	-	-	-	-	-	0.0	0.0	-	-	-
67.0	55.0	10.0	-	-	0.0	0.0	-	0.0	0.0	-	-	-
67.0	60.0	0.0	-	13.1	0.0	0.0	-	0.0	0.0	-	-	-
70.0	70.0	10.6	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	53.0	11.9	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	65.0	10.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	65.0	11.0	-	9.2	0.0	0.0	-	0.0	0.0	-	-	-
83.0	70.0	21.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Bathylagus ochotensis

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	10.0	0.0	0.0	-	10.2	0.0	-	-	-
60.0	55.0	0.0	-	11.0	0.0	9.1	-	10.9	13.0	-	-	-
60.0	60.0	96.3	-	0.0	0.0	9.9	-	10.8	0.0	-	-	-
60.0	65.0	90.2	-	-	-	-	-	0.0	0.0	-	-	-
60.0	70.0	79.0	-	0.0	-	10.5	-	0.0	10.9	-	-	-
60.0	80.0	108.9	-	-	-	0.0	-	0.0	18.5	-	-	-
60.0	90.0	-	-	-	-	0.0	-	0.0	0.0	-	-	-
63.0	50.0	4.1	-	3.6	0.0	0.0	-	0.0	0.0	-	-	-
63.0	52.0	0.0	-	31.3	0.0	0.0	-	0.0	0.0	-	-	-
63.0	55.0	44.3	-	49.8	0.0	0.0	-	53.2	10.3	-	-	-
63.0	60.0	20.8	-	0.0	0.0	0.0	-	31.9	10.9	-	-	-
63.0	65.0	85.4	-	18.9	-	0.0	-	0.0	0.0	-	-	-
63.0	70.0	85.4	-	45.9	-	0.0	-	0.0	0.0	-	-	-
63.0	80.0	10.0	-	-	-	9.3	-	10.3	-	-	-	-
63.0	90.0	-	-	-	-	9.9	-	21.7	0.0	-	-	-
66.0	49.0	0.0	-	4.8	0.0	0.0	-	4.9	0.0	-	-	-
67.0	50.0	4.8	-	38.6	0.0	0.0	-	11.2	0.0	-	-	-
67.0	55.0	29.7	-	105.1	21.9	14.1	-	54.1	10.3	-	-	-
67.0	60.0	84.6	-	102.7	22.1	0.0	-	69.6	9.9	-	-	-
67.0	65.0	45.0	-	12.0	-	-	-	22.2	0.0	-	-	-
67.0	70.0	87.7	-	59.9	-	0.0	-	45.9	0.0	-	-	-
67.0	80.0	0.0	-	8.3	-	0.0	-	23.9	-	-	-	-
67.0	90.0	22.2	-	15.5	0.0	0.0	-	22.5	5.5	-	-	-
70.0	51.0	4.7	-	0.0	0.0	0.0	-	10.5	0.0	-	-	-
70.0	53.0	50.6	-	0.0	0.0	12.2	-	40.2	0.0	-	-	-
70.0	60.0	41.7	-	0.0	34.4	0.0	-	0.0	10.5	-	-	-
70.0	65.0	0.0	-	0.0	0.0	0.0	-	58.2	0.0	-	-	-
70.0	70.0	154.7	-	0.0	0.0	5.7	-	0.0	0.0	-	-	-
70.0	80.0	121.8	-	4.3	-	0.0	-	11.3	11.0	-	-	-
70.0	90.0	10.4	-	11.1	-	0.0	-	15.3	0.0	-	-	-
73.0	50.0	10.5	-	0.0	28.4	10.0	-	64.9	0.0	-	-	-
73.0	53.0	90.6	-	11.5	0.0	60.1	-	24.9	0.0	-	-	-
73.0	60.0	161.3	-	119.8	23.2	18.4	-	11.1	0.0	-	-	-
73.0	65.0	11.0	-	27.5	0.0	-	-	10.3	0.0	-	-	-
73.0	70.0	34.3	-	0.0	0.0	23.2	-	0.0	0.0	-	-	-
73.0	80.0	0.0	-	21.3	-	0.0	-	0.0	22.0	-	-	-
73.0	90.0	34.3	-	64.7	-	11.5	-	0.0	0.0	-	-	-
77.0	48.0	0.0	-	0.0	0.0	-	-	16.8	-	-	-	-
77.0	51.0	10.3	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	55.0	26.1	-	30.6	52.4	12.5	-	68.1	0.0	-	-	-
77.0	60.0	33.5	-	37.4	10.6	26.8	-	19.6	0.0	-	-	-
77.0	65.0	20.3	-	98.8	11.0	-	-	5.5	0.0	-	-	-
77.0	70.0	48.8	-	0.0	12.5	47.5	-	10.6	0.0	-	-	-
77.0	80.0	11.0	-	11.1	-	47.4	-	14.8	10.5	-	-	-
77.0	90.0	0.0	-	27.4	-	36.2	-	0.0	10.8	-	-	-
80.0	51.0	0.0	-	5.0	0.0	0.0	-	0.0	10.2	-	-	-

TABLE 4. (cont.)

Bathylagus ohotensis (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	52.0	18.5	-	5.2	0.0	-	-	0.0	0.0	-	-	-
80.0	55.0	21.5	-	21.4	0.0	0.0	-	0.0	21.8	-	-	-
80.0	60.0	9.6	-	40.0	36.3	23.4	-	0.0	10.8	-	-	-
80.0	70.0	0.0	-	17.8	43.1	24.9	-	10.9	0.0	-	-	-
80.0	80.0	11.3	-	20.9	-	10.4	-	0.0	0.0	-	-	-
80.0	90.0	11.0	-	5.4	-	24.5	-	0.0	0.0	-	-	-
83.0	42.0	10.9	-	21.2	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	11.4	-	0.0	0.0	-	-	0.0	0.0	-	-	-
83.0	55.0	41.0	-	105.0	45.8	-	-	0.0	10.8	-	-	-
83.0	60.0	31.2	-	19.6	133.2	0.0	-	0.0	0.0	-	-	-
83.0	70.0	118.4	-	29.9	41.3	0.0	-	47.6	0.0	-	-	-
83.0	80.0	10.8	-	5.0	-	10.2	-	9.8	0.0	-	-	-
83.0	90.0	0.0	-	9.9	-	4.9	-	59.7	0.0	-	-	-
87.0	32.5	0.0	-	0.0	0.0	0.0	-	4.1	0.0	-	-	-
87.0	33.0	0.0	-	0.0	0.0	10.2	-	0.0	0.0	-	-	-
87.0	34.0	0.0	-	17.7	0.0	-	-	20.6	0.0	-	-	-
87.0	35.0	10.8	-	70.1	0.0	0.0	-	0.0	0.0	-	-	-
87.0	36.0	11.3	-	22.2	0.0	-	-	11.8	0.0	-	-	-
87.0	40.0	17.3	-	29.1	10.6	0.0	-	0.0	0.0	-	-	-
87.0	45.0	32.7	-	0.0	0.0	10.4	-	0.0	0.0	-	-	-
87.0	50.0	0.0	-	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	41.0	-	-	95.5	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	-	65.9	90.6	10.6	-	0.0	0.0	-	-	-
87.0	70.0	136.2	-	258.8	48.6	15.4	-	0.0	0.0	-	-	-
87.0	80.0	5.3	-	5.7	-	5.0	-	0.0	0.0	-	-	-
87.0	90.0	35.9	-	0.0	-	0.0	-	8.8	0.0	-	-	-
90.0	28.0	5.7	-	-	-	9.0	-	0.0	0.0	-	-	-
90.0	29.0	33.1	-	-	9.7	0.0	-	0.0	0.0	-	-	-
90.0	30.0	83.8	-	-	10.8	53.4	-	0.0	0.0	-	-	-
90.0	31.0	52.2	-	-	0.0	88.9	-	12.0	0.0	-	-	-
90.0	33.0	36.1	-	-	11.4	128.1	-	10.0	0.0	-	-	-
90.0	37.0	10.5	-	-	0.0	0.0	-	24.3	0.0	-	-	-
90.0	45.0	20.2	-	-	21.5	0.0	0.0	-	11.9	-	-	-
90.0	53.0	40.1	-	-	10.7	49.1	24.5	-	0.0	-	-	-
90.0	60.0	11.0	-	-	33.5	10.8	5.4	-	0.0	-	-	-
90.0	70.0	5.3	-	-	0.0	0.0	15.7	-	5.7	-	-	-
90.0	80.0	0.0	-	-	10.4	0.0	0.0	-	0.0	-	-	-
90.0	90.0	0.0	-	-	0.0	5.2	0.0	-	0.0	-	-	-
90.0	100.0	21.9	-	-	5.0	-	0.0	-	0.0	-	-	-
93.0	26.9	0.0	-	0.0	-	5.3	-	0.0	-	-	-	-
93.0	28.0	10.0	-	5.4	-	19.6	10.6	-	0.0	-	-	-
93.0	29.0	38.0	-	0.0	-	-	12.5	-	0.0	-	-	-
93.0	30.0	71.0	-	36.1	-	0.0	23.3	-	0.0	-	-	-
93.0	35.0	31.4	-	121.4	-	63.1	50.5	-	0.0	-	-	-
93.0	40.0	47.8	-	0.0	-	11.5	33.3	-	0.0	-	-	-
93.0	45.0	33.2	-	160.3	-	23.5	30.3	-	0.0	-	-	-

TABLE 4. (cont.)

Bathylagus ohotensis (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	50.0	4.9	12.2	38.1	-	57.4	22.2	-	11.8	-	-	-
93.0	55.0	0.0	7.4	72.9	-	9.5	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	10.6	-	0.0	10.6	-	5.2	-	-	-
93.0	70.0	3.9	32.7	25.2	-	0.0	0.0	-	10.7	-	-	-
93.0	80.0	0.0	11.6	-	0.0	0.0	0.0	-	5.9	-	-	-
93.0	90.0	15.9	6.3	-	5.6	0.0	0.0	-	0.0	-	-	-
93.0	100.0	0.0	5.5	-	0.0	-	0.0	-	0.0	-	-	-
97.0	32.0	0.0	58.5	-	35.9	-	28.4	-	0.0	-	-	-
97.0	35.0	34.6	17.0	-	53.9	-	14.5	-	0.0	-	-	-
97.0	40.0	98.8	205.8	-	48.8	-	28.4	-	0.0	-	-	-
97.0	45.0	51.9	30.0	-	18.4	-	35.1	-	11.4	-	-	-
97.0	50.0	0.0	136.2	-	10.1	-	12.3	-	0.0	-	-	-
97.0	55.0	4.8	0.0	-	26.6	-	5.7	-	0.0	-	-	-
97.0	60.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	70.0	0.0	5.5	-	0.0	0.0	0.0	-	0.0	-	-	-
97.0	80.0	0.0	17.4	-	0.0	0.0	-	-	0.0	-	-	-
100.0	29.0	5.2	10.4	-	0.0	0.0	4.4	-	0.0	-	-	-
100.0	30.0	0.0	0.0	-	63.8	-	0.0	-	0.0	-	-	-
100.0	35.0	5.3	30.3	-	52.9	-	36.8	-	0.0	-	-	-
100.0	40.0	38.5	16.2	-	24.1	-	10.1	-	0.0	-	-	-
100.0	45.0	30.1	53.3	-	10.4	-	0.0	-	25.1	-	-	-
100.0	50.0	0.0	59.0	-	0.0	-	0.0	-	11.3	-	-	-
100.0	60.0	0.0	5.7	-	5.7	-	0.0	-	6.2	-	-	-
100.0	80.0	0.0	11.2	-	0.0	-	0.0	-	5.6	-	-	-
103.0	30.0	0.0	0.0	-	24.9	-	0.0	-	0.0	-	-	-
103.0	35.0	0.0	22.1	-	40.0	-	5.9	-	0.0	-	-	-
103.0	40.0	-	16.7	-	10.5	-	17.7	-	0.0	-	-	-
103.0	45.0	-	15.3	-	0.0	-	16.0	-	0.0	-	-	-
103.0	50.0	0.0	14.9	-	63.0	-	14.7	-	0.0	-	-	-
103.0	60.0	0.0	0.0	-	-	-	8.0	-	0.0	-	-	-
103.0	70.0	0.0	5.1	-	-	-	0.0	-	0.0	-	-	-
103.0	80.0	0.0	5.1	-	-	-	0.0	-	0.0	-	-	-
107.0	32.0	16.8	0.0	-	35.1	-	0.0	0.0	0.0	-	-	-
107.0	35.0	19.3	0.0	-	22.1	-	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	10.8	-	16.3	-	31.5	-	0.0	-	-	-
107.0	45.0	19.0	0.0	-	23.0	-	-	-	0.0	-	-	-
107.0	50.0	0.0	39.9	-	0.0	-	10.6	-	0.0	-	-	-
110.0	35.0	0.0	5.3	-	33.8	-	0.0	0.0	0.0	-	-	-
110.0	40.0	5.7	0.0	-	32.6	-	0.0	5.3	0.0	-	-	-
110.0	50.0	0.0	0.0	-	10.7	-	16.2	0.0	0.0	-	-	-
113.0	40.0	0.0	0.0	-	11.6	-	-	0.0	0.0	-	-	-
113.0	70.0	0.0	0.0	-	-	-	5.3	-	0.0	-	-	-
113.0	80.0	0.0	0.0	-	-	-	5.1	-	0.0	-	-	-

TABLE 4. (cont.)

Bathylagus pacificus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	65.0	30.1	-	-	-	-	-	0.0	0.0	-	-	-
60.0	70.0	6.1	-	7.7	-	0.0	-	0.0	0.0	-	-	-
60.0	80.0	5.7	-	-	-	0.0	-	0.0	0.0	-	-	-
63.0	55.0	33.2	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	60.0	20.8	-	10.2	11.4	0.0	-	0.0	0.0	-	-	-
67.0	55.0	9.9	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
67.0	60.0	42.3	-	14.7	0.0	0.0	-	0.0	0.0	-	-	-
67.0	70.0	12.5	-	0.0	0.0	10.6	-	0.0	0.0	-	-	-
67.0	90.0	0.0	-	5.2	-	0.0	-	0.0	0.0	-	-	-
70.0	53.0	50.6	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
70.0	60.0	0.0	-	9.2	0.0	0.0	-	0.0	0.0	-	-	-
70.0	65.0	0.0	-	0.0	10.3	0.0	-	0.0	0.0	-	-	-
70.0	70.0	11.9	-	10.5	0.0	0.0	-	0.0	0.0	-	-	-
70.0	90.0	5.2	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	53.0	20.1	-	11.5	0.0	12.0	-	0.0	0.0	-	-	-
73.0	65.0	11.0	-	9.2	0.0	-	-	0.0	0.0	-	-	-
73.0	70.0	0.0	-	0.0	10.4	0.0	-	0.0	0.0	-	-	-
73.0	90.0	0.0	-	24.9	-	0.0	-	0.0	0.0	-	-	-
77.0	51.0	0.0	-	10.9	0.0	0.0	-	0.0	0.0	-	-	-
77.0	55.0	13.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	60.0	11.2	-	0.0	10.6	0.0	-	0.0	0.0	-	-	-
77.0	65.0	20.3	-	0.0	0.0	-	-	0.0	0.0	-	-	-
77.0	80.0	0.0	-	11.1	-	0.0	-	0.0	0.0	-	-	-
77.0	90.0	0.0	-	16.5	-	0.0	-	0.0	0.0	-	-	-
80.0	51.0	5.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	70.0	0.0	-	35.6	0.0	12.5	-	0.0	0.0	-	-	-
80.0	90.0	0.0	-	5.4	-	0.0	-	0.0	0.0	-	-	-
83.0	80.0	0.0	-	5.0	-	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	-	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	37.0	0.0	-	-	11.3	0.0	-	0.0	0.0	-	-	-
100.0	50.0	0.0	-	-	0.0	-	-	-	0.0	-	-	-
110.0	45.0	0.0	-	-	11.1	-	-	-	0.0	-	-	-

Bathylagus wesethi

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	90.0	-	-	-	-	0.0	-	4.6	0.0	-	-	-
63.0	90.0	-	-	-	-	0.0	-	0.0	11.2	-	-	-
67.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	9.9	-	-	-
67.0	90.0	0.0	-	0.0	-	0.0	-	0.0	11.1	-	-	-
70.0	70.0	0.0	-	0.0	10.9	17.0	-	10.9	0.0	-	-	-
70.0	80.0	0.0	-	0.0	-	16.2	-	90.3	0.0	-	-	-
70.0	90.0	0.0	-	0.0	-	34.6	-	239.7	121.9	-	-	-
73.0	50.0	0.0	-	0.0	0.0	0.0	-	10.8	0.0	-	-	-
73.0	53.0	0.0	-	0.0	0.0	0.0	-	37.3	0.0	-	-	-

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0	60.0	0.0	-	0.0	0.0	12.3	-	22.2	0.0	-	-	-
73.0	65.0	0.0	-	0.0	0.0	-	-	35.9	20.7	-	-	-
73.0	70.0	0.0	-	0.0	0.0	0.0	-	19.8	22.3	-	-	-
73.0	80.0	0.0	-	0.0	0.0	6.1	-	122.2	0.0	-	-	-
73.0	90.0	0.0	-	0.0	-	22.9	-	0.0	0.0	-	-	-
77.0	65.0	0.0	-	0.0	0.0	-	-	21.8	10.5	-	-	-
77.0	70.0	0.0	-	0.0	0.0	-	-	21.1	0.0	-	-	-
77.0	80.0	0.0	-	0.0	-	5.9	-	14.8	10.5	-	-	-
77.0	90.0	0.0	-	0.0	-	12.1	-	153.4	10.8	-	-	-
80.0	55.0	0.0	-	0.0	0.0	0.0	-	0.0	21.8	-	-	-
80.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	10.8	-	-	-
80.0	90.0	0.0	-	0.0	0.0	0.0	-	25.5	0.0	-	-	-
83.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	65.6	-	-	-
83.0	90.0	0.0	-	0.0	0.0	0.0	-	41.3	98.3	-	-	-
87.0	55.0	0.0	12.0	-	11.9	12.4	-	0.0	0.0	-	-	-
87.0	60.0	0.0	0.0	-	0.0	0.0	-	10.7	10.8	-	-	-
87.0	70.0	0.0	5.8	-	0.0	10.3	-	10.1	16.2	-	-	-
87.0	80.0	0.0	0.0	-	0.0	24.9	-	15.5	88.8	-	-	-
87.0	90.0	0.0	6.0	-	-	66.7	-	193.2	104.1	-	-	-
90.0	27.6	0.0	0.0	-	0.0	9.4	-	0.0	0.0	-	-	-
90.0	33.0	0.0	0.0	-	0.0	0.0	-	10.0	0.0	-	-	-
90.0	60.0	0.0	12.3	-	4.8	0.0	0.0	-	0.0	-	-	-
90.0	70.0	0.0	17.6	-	9.1	46.7	0.0	-	22.7	-	-	-
90.0	80.0	0.0	17.5	-	0.0	69.3	42.2	-	37.6	-	-	-
90.0	90.0	0.0	0.0	-	10.4	31.1	124.2	-	5.5	-	-	-
90.0	100.0	0.0	5.5	-	30.1	-	257.8	-	149.4	-	-	-
90.0	110.0	-	-	-	41.8	-	82.0	-	99.8	-	-	-
90.0	120.0	-	-	-	56.0	-	300.4	-	229.2	-	-	-
90.0	130.0	-	-	-	40.0	-	16.8	-	200.5	-	-	-
90.0	140.0	-	-	-	36.5	-	0.0	-	16.0	-	-	-
90.0	150.0	-	-	-	5.2	-	42.8	-	0.0	-	-	-
90.0	160.0	-	-	-	0.0	-	40.8	-	5.2	-	-	-
90.0	170.0	-	-	-	0.0	-	5.1	-	-	-	-	-
93.0	30.0	5.9	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-
93.0	35.0	0.0	0.0	0.0	0.0	0.0	10.1	-	5.8	-	-	-
93.0	40.0	0.0	0.0	0.0	0.0	11.5	22.2	-	0.0	-	-	-
93.0	45.0	0.0	0.0	0.0	0.0	0.0	10.1	-	0.0	-	-	-
93.0	50.0	4.9	55.1	5.4	9.6	9.6	11.1	-	0.0	-	-	-
93.0	55.0	5.3	22.3	10.4	28.4	28.4	67.2	-	11.4	-	-	-
93.0	60.0	0.0	16.2	15.8	159.6	159.6	37.0	-	0.0	-	-	-
93.0	70.0	0.0	0.0	15.1	29.3	29.3	11.2	-	10.7	-	-	-
93.0	80.0	0.0	40.6	-	10.3	10.3	101.4	-	23.8	-	-	-
93.0	90.0	0.0	0.0	-	5.6	49.2	15.4	-	108.6	-	-	-
93.0	100.0	0.0	0.0	-	16.7	-	99.0	-	383.6	-	-	-
93.0	110.0	0.0	49.3	-	0.0	-	16.2	-	0.0	-	-	-
93.0	120.0	-	-	-	10.6	-	20.8	-	191.9	-	-	-

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	130.0	-	-	-	0.0	-	0.0	-	127.2	-	-	-
93.0	170.0	-	-	-	0.0	-	5.2	-	-	-	-	-
97.0	40.0	0.0	0.0	-	0.0	-	26.6	-	0.0	-	-	-
97.0	45.0	0.0	0.0	-	9.2	-	45.1	-	0.0	-	-	-
97.0	50.0	20.6	5.9	-	15.2	-	57.8	-	0.0	-	-	-
97.0	55.0	9.6	32.8	-	5.3	-	73.7	-	0.0	-	-	-
97.0	60.0	0.0	18.1	-	25.2	-	104.3	-	0.0	-	-	-
97.0	70.0	5.0	10.9	-	83.5	-	55.1	-	0.0	-	-	-
97.0	80.0	0.0	34.7	-	33.9	50.1	-	-	24.7	-	-	-
97.0	90.0	0.0	21.6	-	21.0	15.1	-	-	0.0	-	-	-
97.0	100.0	-	-	-	9.3	-	-	-	23.2	-	-	-
100.0	35.0	0.0	0.0	-	10.6	-	50.6	-	0.0	-	-	-
100.0	40.0	20.5	0.0	-	0.0	-	11.7	-	0.0	-	-	-
100.0	45.0	10.1	5.3	-	41.7	-	0.0	-	0.0	-	-	-
100.0	50.0	0.0	14.8	-	23.0	-	96.8	-	22.5	-	-	-
100.0	60.0	5.7	11.3	-	51.0	-	126.7	-	31.1	-	-	-
100.0	70.0	20.3	15.7	-	35.0	-	56.1	-	6.1	-	-	-
100.0	80.0	23.3	0.0	-	5.2	-	15.5	-	5.6	-	-	-
100.0	90.0	7.8	23.2	-	27.2	-	0.0	-	17.3	-	-	-
100.0	100.0	-	-	-	0.0	-	-	-	0.0	-	-	-
103.0	35.0	0.0	0.0	-	0.0	-	5.9	-	0.0	-	-	-
103.0	40.0	19.1	0.0	-	10.5	-	12.2	-	0.0	-	-	-
103.0	45.0	12.5	0.0	-	36.1	-	11.4	-	0.0	-	-	-
103.0	50.0	12.9	0.0	-	0.0	-	40.1	-	0.0	-	-	-
103.0	60.0	11.7	32.5	-	-	-	168.6	-	12.0	-	-	-
103.0	70.0	5.9	15.2	-	-	-	36.7	-	0.0	-	-	-
103.0	80.0	5.6	15.2	-	-	-	7.9	-	18.5	-	-	-
103.0	90.0	-	-	-	-	-	0.0	-	6.3	-	-	-
107.0	35.0	0.0	0.0	-	11.0	-	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	0.0	-	16.3	-	21.0	-	6.8	-	-	-
107.0	45.0	0.0	0.0	-	57.5	-	-	-	12.7	-	-	-
107.0	50.0	23.0	10.0	-	150.9	-	19.9	-	0.0	-	-	-
107.0	60.0	0.0	21.9	-	-	-	82.2	-	6.1	-	-	-
107.0	70.0	-	5.4	-	-	-	2.7	-	0.0	-	-	-
107.0	80.0	-	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	90.0	-	-	-	-	-	5.4	-	0.0	-	-	-
110.0	35.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	40.0	4.9	15.4	-	10.9	-	0.0	0.0	0.0	-	-	-
110.0	50.0	0.0	0.0	-	21.4	-	16.2	19.7	0.0	-	-	-
110.0	60.0	5.3	25.9	-	-	-	0.0	-	0.0	-	-	-
110.0	70.0	-	43.8	-	-	-	15.9	-	17.6	-	-	-
110.0	80.0	-	5.2	-	-	-	5.4	-	0.0	-	-	-
110.0	90.0	-	-	-	-	-	-	-	11.6	-	-	-
113.0	35.0	0.0	5.1	-	0.0	-	-	5.6	0.0	-	-	-
113.0	40.0	0.0	0.0	-	0.0	-	64.9	0.0	0.0	-	-	-
113.0	50.0	0.0	0.0	-	36.4	-	-	0.0	61.7	-	-	-

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	60.0	8.8	0.0	-	-	-	16.2	31.1	12.6	-	-	-
113.0	70.0	0.0	21.6	-	-	-	42.5	-	0.0	-	-	-
113.0	80.0	3.9	0.0	-	-	-	5.1	-	5.8	-	-	-
113.0	90.0	-	-	-	-	-	-	5.1	17.8	-	-	-
117.0	45.0	0.0	0.0	-	-	-	-	24.4	10.7	-	-	-
117.0	50.0	0.0	0.0	-	-	-	-	10.9	12.5	-	-	-
117.0	60.0	18.2	0.0	-	-	-	-	11.2	5.7	-	-	-
117.0	70.0	0.0	20.4	-	-	-	-	0.0	94.4	-	-	-
117.0	80.0	0.0	0.0	-	-	-	-	17.0	6.3	-	-	-
120.0	50.0	0.0	-	0.0	-	-	-	9.8	6.1	-	-	-
120.0	60.0	0.0	-	0.0	-	-	-	16.9	0.0	-	-	-
120.0	70.0	0.0	-	0.0	-	-	-	0.0	19.4	-	-	-
120.0	80.0	0.0	-	0.0	-	-	-	40.0	0.0	-	-	-
123.0	42.0	0.0	-	-	-	-	-	-	27.9	-	-	-
123.0	45.0	0.0	-	0.0	-	-	-	-	18.1	-	-	-
123.0	50.0	0.0	-	4.9	-	-	-	-	6.2	-	-	-
123.0	60.0	0.0	-	0.0	-	-	-	6.1	0.0	-	-	-
123.0	70.0	0.0	-	0.0	-	-	-	11.2	0.0	-	-	-
127.0	40.0	-	-	0.0	-	-	-	33.8	0.0	-	-	-
127.0	45.0	0.0	-	0.0	-	-	-	46.8	0.0	-	-	-
127.0	50.0	0.0	-	0.0	-	-	-	5.9	68.2	-	-	-
127.0	60.0	0.0	-	-	-	-	-	5.6	12.9	-	-	-
137.0	50.0	0.0	-	0.0	-	-	-	-	-	-	-	-

Leuroglossus stilbius

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	52.0	0.0	-	7.8	0.0	0.0	-	0.0	0.0	-	-	-
63.0	55.0	33.2	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	70.0	48.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
67.0	50.0	0.0	-	12.9	0.0	0.0	-	0.0	0.0	-	-	-
67.0	55.0	9.9	-	13.1	0.0	0.0	-	0.0	0.0	-	-	-
67.0	70.0	50.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
67.0	80.0	0.0	-	0.0	-	12.2	-	0.0	-	-	-	-
70.0	51.0	0.0	-	10.8	0.0	0.0	-	10.5	0.0	-	-	-
70.0	53.0	0.0	-	0.0	0.0	49.0	-	10.0	0.0	-	-	-
70.0	70.0	0.0	-	0.0	0.0	5.7	-	0.0	0.0	-	-	-
73.0	53.0	0.0	-	69.1	0.0	24.0	-	0.0	0.0	-	-	-
73.0	60.0	10.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	65.0	0.0	-	18.3	0.0	-	-	0.0	0.0	-	-	-
73.0	70.0	8.6	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	51.0	0.0	-	54.6	10.4	43.2	-	0.0	10.5	-	-	-
77.0	55.0	156.8	-	40.8	0.0	12.5	-	11.3	9.6	-	-	-
77.0	60.0	67.0	-	62.3	0.0	0.0	-	0.0	0.0	-	-	-
77.0	65.0	20.3	-	32.9	0.0	-	-	0.0	0.0	-	-	-
77.0	70.0	36.6	-	11.1	0.0	0.0	-	0.0	10.9	-	-	-

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	51.0	0.0	-	5.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	52.0	437.4	-	191.7	11.4	-	-	10.1	22.4	-	-	-
80.0	55.0	42.9	-	74.8	11.0	0.0	-	19.9	0.0	-	-	-
80.0	60.0	0.0	-	30.0	0.0	0.0	-	10.1	0.0	-	-	-
80.0	70.0	0.0	-	0.0	0.0	12.5	-	0.0	0.0	-	-	-
82.0	47.0	417.4	-	117.6	11.6	-	-	24.1	0.0	-	-	-
83.0	42.0	201.3	-	5.3	0.0	0.0	-	0.0	12.2	-	-	-
83.0	51.0	0.0	-	0.0	138.6	-	-	0.0	10.3	-	-	-
83.0	55.0	443.2	-	145.4	148.8	-	-	13.5	10.8	-	-	-
83.0	60.0	41.2	-	29.4	9.5	0.0	-	11.2	0.0	-	-	-
83.0	70.0	26.9	-	10.0	31.0	10.3	-	0.0	0.0	-	-	-
87.0	34.0	4.8	-	4.4	0.0	-	-	0.0	0.0	-	-	-
87.0	35.0	164.7	-	439.5	0.0	19.9	-	0.0	0.0	-	-	-
87.0	36.0	87.4	-	355.8	61.7	-	-	0.0	0.0	-	-	-
87.0	40.0	152.3	-	867.2	106.1	12.2	-	0.0	11.3	-	-	-
87.0	45.0	595.7	-	386.1	59.4	10.4	-	0.0	0.0	-	-	-
87.0	50.0	19.7	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	373.8	18.0	-	0.0	24.7	-	0.0	0.0	-	-	-
87.0	70.0	6.0	0.0	-	5.4	0.0	-	0.0	0.0	-	-	-
90.0	28.0	11.5	44.1	-	83.5	0.0	-	0.0	0.0	-	-	-
90.0	29.0	61.4	111.3	-	48.3	37.3	-	10.3	0.0	-	-	-
90.0	30.0	12.6	196.7	-	96.8	32.1	-	0.0	0.0	-	-	-
90.0	31.0	29.2	174.2	-	38.1	33.4	-	0.0	0.0	-	-	-
90.0	33.0	85.0	692.3	-	45.8	23.3	-	0.0	0.0	-	-	-
90.0	37.0	9.9	413.7	-	0.0	0.0	-	12.1	0.0	-	-	-
90.0	45.0	313.1	242.4	-	43.0	23.2	10.9	-	11.9	-	-	-
90.0	53.0	9.1	40.1	-	0.0	0.0	12.3	-	0.0	-	-	-
90.0	60.0	0.0	12.3	-	0.0	0.0	5.4	-	0.0	-	-	-
90.0	70.0	21.8	0.0	-	0.0	0.0	0.0	0.0	5.7	-	-	-
93.0	26.9	5.3	9.9	0.0	-	5.3	-	0.0	-	-	-	-
93.0	28.0	0.0	112.1	0.0	-	0.0	0.0	0.0	0.0	-	-	-
93.0	29.0	12.2	30.1	38.9	-	-	12.5	-	0.0	-	-	-
93.0	30.0	5.4	0.0	54.1	-	0.0	0.0	-	0.0	-	-	-
93.0	35.0	115.1	459.5	55.2	-	37.8	0.0	-	0.0	-	-	-
93.0	40.0	26.2	169.2	60.1	-	11.5	0.0	-	0.0	-	-	-
93.0	45.0	0.0	196.7	0.0	-	23.5	0.0	-	0.0	-	-	-
93.0	50.0	0.0	55.1	16.3	-	28.7	0.0	-	0.0	-	-	-
93.0	55.0	0.0	7.4	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	5.3	-	0.0	0.0	-	0.0	-	-	-
93.0	70.0	0.0	5.4	0.0	-	0.0	0.0	-	5.5	-	-	-
93.0	130.0	-	-	-	0.0	-	0.0	-	17.9	-	-	-
97.0	32.0	28.2	11.7	-	80.7	-	17.3	-	0.0	-	-	-
97.0	35.0	93.9	5.7	-	18.0	-	15.7	-	0.0	-	-	-
97.0	40.0	109.8	452.8	-	117.2	-	12.5	-	0.0	-	-	-
97.0	45.0	145.3	174.0	-	0.0	-	16.2	-	0.0	-	-	-
97.0	50.0	0.0	77.0	-	0.0	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	55.0	0.0	0.0	-	10.7	-	5.7	-	0.0	-	-	-
97.0	60.0	0.0	0.0	-	8.4	-	0.0	-	0.0	-	-	-
100.0	29.0	0.0	0.0	-	19.8	-	0.0	-	0.0	-	-	-
100.0	30.0	0.0	5.3	-	36.4	-	5.0	-	13.3	-	-	-
100.0	35.0	47.9	5.1	-	31.7	-	0.0	-	0.0	-	-	-
100.0	40.0	0.0	5.4	-	36.1	-	0.0	-	0.0	-	-	-
103.0	30.0	0.0	0.0	-	5.0	-	0.0	-	0.0	-	-	-
103.0	35.0	-	0.0	-	0.0	-	5.3	-	0.0	-	-	-
103.0	40.0	-	5.6	-	0.0	-	0.0	-	0.0	-	-	-
103.0	45.0	-	5.1	-	12.0	-	5.7	-	0.0	-	-	-
107.0	32.0	0.0	0.0	-	43.9	-	0.0	0.0	11.7	-	-	-
107.0	35.0	0.0	0.0	-	11.0	-	0.0	0.0	10.4	-	-	-
107.0	40.0	0.0	0.0	-	0.0	-	10.5	-	0.0	-	-	-
110.0	32.4	0.0	0.0	-	39.5	-	0.0	0.0	0.0	-	-	-
110.0	35.0	0.0	0.0	-	33.8	-	0.0	4.9	0.0	-	-	-
110.0	45.0	0.0	0.0	-	0.0	-	11.0	-	0.0	-	-	-
110.0	50.0	11.1	0.0	-	10.7	-	0.0	0.0	0.0	-	-	-
110.0	60.0	0.0	0.0	-	-	-	0.0	-	9.6	-	-	-
113.0	40.0	4.7	0.0	-	23.3	-	0.0	-	0.0	-	-	-
113.0	80.0	0.0	0.0	-	-	-	5.1	-	0.0	-	-	-
117.0	40.0	0.0	0.0	-	-	-	-	12.9	0.0	-	-	-
123.0	45.0	0.0	-	4.6	-	-	-	-	0.0	-	-	-
130.0	35.0	0.0	-	10.6	-	-	-	0.0	0.0	-	-	-
133.0	30.0	0.0	-	4.9	-	-	-	0.0	0.0	-	-	-
137.0	30.0	33.1	-	0.0	-	-	-	11.3	0.0	-	-	-
137.0	35.0	5.4	-	5.3	-	-	-	0.0	0.0	-	-	-

Osmeridae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	4.7	-	0.0	0.0	-	-	0.0	0.0	-	-	-

Stomiiformes

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	53.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	160.0	-	-	-	10.6	-	0.0	-	0.0	-	-	-
93.0	110.0	-	-	-	0.0	-	21.6	-	0.0	-	-	-
93.0	140.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0	190.0	-	-	-	5.3	-	0.0	-	-	-	-	-

TABLE 4. (cont.)

Gonostomatidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	0.0	0.0	12.1	-	0.0	0.0	-	-	-
73.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	5.6	-	-	-
80.0	90.0	0.0	-	0.0	-	0.0	-	0.0	11.4	-	-	-
87.0	60.0	0.0	0.0	-	11.3	0.0	-	0.0	0.0	-	-	-
87.0	90.0	0.0	0.0	-	-	5.1	-	0.0	5.5	-	-	-
90.0	130.0	-	-	-	0.0	-	5.6	-	0.0	-	-	-
90.0	180.0	-	-	-	-	-	0.0	-	0.0	-	-	-
90.0	200.0	-	-	-	5.2	-	0.0	-	0.0	-	-	-
93.0	50.0	4.9	0.0	0.0	0.0	0.0	-	-	0.0	-	-	-
93.0	160.0	-	-	-	0.0	-	10.4	-	5.3	-	-	-
93.0	200.0	-	-	-	0.0	-	0.0	-	-	-	-	-
97.0	60.0	-	-	-	0.0	-	0.0	-	0.0	-	-	-
100.0	70.0	5.7	0.0	-	-	-	0.0	0.0	0.0	-	-	-
100.0	80.0	0.0	0.0	-	5.0	-	0.0	0.0	0.0	-	-	-
100.0	90.0	0.0	0.0	-	0.0	-	5.1	-	0.0	-	-	-
100.0	100.0	-	-	-	4.5	-	-	-	0.0	-	-	-
110.0	40.0	0.0	5.1	-	0.0	-	0.0	0.0	0.0	-	-	-
113.0	40.0	0.0	0.0	-	11.6	-	0.0	0.0	0.0	-	-	-
113.0	50.0	10.7	0.0	-	0.0	-	0.0	0.0	5.8	-	-	-
113.0	80.0	0.0	0.0	-	-	-	0.0	0.0	5.9	-	-	-
117.0	70.0	-	-	-	-	-	-	5.9	0.0	-	-	-
133.0	60.0	0.0	0.0	0.0	-	-	-	6.0	0.0	-	-	-

Cyclothone spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	80.0	0.0	-	-	-	0.0	-	5.3	0.0	-	-	-
60.0	90.0	-	-	-	-	0.0	-	9.2	0.0	-	-	-
63.0	55.0	0.0	-	0.0	0.0	0.0	-	0.0	10.3	-	-	-
63.0	80.0	10.0	-	-	-	0.0	-	0.0	-	-	-	-
63.0	90.0	-	-	-	-	0.0	-	0.0	11.2	-	-	-
67.0	60.0	0.0	-	14.7	0.0	0.0	-	0.0	9.9	-	-	-
67.0	80.0	0.0	-	16.5	-	0.0	-	0.0	-	-	-	-
67.0	90.0	0.0	-	0.0	-	0.0	-	0.0	5.5	-	-	-
70.0	70.0	0.0	-	0.0	0.0	17.0	-	0.0	0.0	-	-	-
70.0	80.0	0.0	-	0.0	-	59.3	-	0.0	0.0	-	-	-
70.0	90.0	0.0	-	5.6	-	17.3	-	5.1	15.9	-	-	-
73.0	60.0	0.0	-	0.0	0.0	30.7	-	22.2	0.0	-	-	-
73.0	65.0	0.0	-	0.0	-	-	-	15.4	0.0	-	-	-
73.0	70.0	0.0	-	0.0	10.4	-	-	24.8	5.6	-	-	-
73.0	80.0	0.0	-	0.0	-	18.2	-	5.1	0.0	-	-	-
73.0	90.0	0.0	-	0.0	-	5.7	-	4.9	38.5	-	-	-
77.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	11.4	-	-	-
77.0	65.0	0.0	-	0.0	-	-	-	5.5	0.0	-	-	-

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
77.0	80.0	0.0	-	0.0	-	11.9	-	0.0	0.0	-	-	-
77.0	90.0	0.0	-	0.0	-	24.1	-	38.4	5.4	-	-	-
80.0	60.0	0.0	-	0.0	-	0.0	-	0.0	10.8	-	-	-
83.0	70.0	0.0	-	0.0	-	10.3	-	0.0	0.0	-	-	-
83.0	80.0	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	-
83.0	90.0	0.0	-	0.0	-	0.0	-	9.2	23.1	-	-	-
87.0	70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	21.6	-	-	-
87.0	80.0	0.0	5.7	0.0	-	0.0	-	0.0	16.7	-	-	-
87.0	90.0	10.3	0.0	15.4	-	17.6	-	17.6	16.4	-	-	-
90.0	53.0	0.0	6.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-
90.0	60.0	0.0	0.0	4.8	0.0	0.0	0.0	-	0.0	-	-	-
90.0	70.0	10.6	5.9	0.0	15.6	16.0	10.6	-	10.7	-	-	-
90.0	80.0	0.0	17.5	0.0	16.0	15.6	5.4	-	22.0	-	-	-
90.0	90.0	5.6	0.0	0.0	15.6	15.6	26.9	-	72.1	-	-	-
90.0	100.0	0.0	27.4	35.1	-	-	21.9	-	5.3	-	-	-
90.0	110.0	-	-	5.2	-	-	10.5	-	42.6	-	-	-
90.0	120.0	-	-	30.5	-	-	28.0	-	37.9	-	-	-
90.0	130.0	-	-	15.0	-	-	26.9	-	48.1	-	-	-
90.0	140.0	-	-	52.2	-	-	58.8	-	35.8	-	-	-
90.0	150.0	-	-	10.5	-	-	10.2	-	20.6	-	-	-
90.0	160.0	-	-	52.9	-	-	25.6	-	-	-	-	-
90.0	170.0	-	-	69.5	-	-	20.1	-	108.2	-	-	-
90.0	180.0	-	-	72.0	-	-	79.2	-	-	-	-	-
90.0	190.0	-	-	16.1	-	-	29.8	-	-	-	-	-
90.0	200.0	-	-	30.9	-	-	11.6	-	-	-	-	-
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-
93.0	45.0	11.1	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-
93.0	50.0	4.9	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-
93.0	55.0	5.3	14.9	10.4	0.0	0.0	0.0	-	0.0	-	-	-
93.0	60.0	10.5	5.4	10.6	5.3	0.0	0.0	-	0.0	-	-	-
93.0	70.0	0.0	10.9	25.2	19.6	11.2	11.2	-	0.0	-	-	-
93.0	80.0	4.6	5.8	-	0.0	0.0	5.1	-	17.9	-	-	-
93.0	90.0	5.3	0.0	-	0.0	24.6	0.0	-	48.9	-	-	-
93.0	100.0	11.2	38.4	-	0.0	-	15.6	-	27.8	-	-	-
93.0	110.0	-	-	-	87.7	-	10.8	-	97.9	-	-	-
93.0	120.0	-	-	-	116.6	-	10.4	-	32.0	-	-	-
93.0	130.0	-	-	-	65.4	-	31.7	-	44.2	-	-	-
93.0	140.0	-	-	-	75.5	-	9.3	-	91.5	-	-	-
93.0	150.0	-	-	-	168.6	-	14.8	-	108.8	-	-	-
93.0	160.0	-	-	-	61.4	-	45.0	-	42.2	-	-	-
93.0	170.0	-	-	-	26.3	-	5.2	-	-	-	-	-
93.0	180.0	-	-	-	53.8	-	51.6	-	16.7	-	-	-
93.0	190.0	-	-	-	47.5	-	20.6	-	-	-	-	-
93.0	200.0	-	-	-	74.4	-	46.9	-	-	-	-	-
97.0	50.0	24.6	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-
97.0	55.0	0.0	76.6	-	5.3	-	-	-	-	-	-	-

TABLE 4. (cont.)

STATION	Cyclothone spp. (cont.)											
	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	60.0	0.0	42.2	-	0.0	-	5.3	-	0.0	-	-	-
97.0	70.0	0.0	0.0	-	24.5	-	2.5	-	0.0	-	-	-
97.0	80.0	0.0	0.0	-	33.9	50.1	-	-	30.9	-	-	-
97.0	90.0	9.7	16.2	-	73.5	5.0	-	-	40.9	-	-	-
97.0	100.0	-	-	-	14.0	-	-	-	34.7	-	-	-
100.0	40.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	45.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	50.0	5.1	19.7	-	11.5	-	0.0	-	11.3	-	-	-
100.0	60.0	5.7	11.3	-	0.0	-	11.0	-	6.2	-	-	-
100.0	70.0	5.1	0.0	-	0.0	-	30.6	-	18.2	-	-	-
100.0	80.0	14.6	0.0	-	0.0	-	67.3	-	0.0	-	-	-
100.0	90.0	28.6	17.4	-	25.8	-	10.2	-	27.0	-	-	-
100.0	100.0	-	-	-	54.4	-	-	-	17.3	-	-	-
103.0	30.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	35.0	13.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	45.0	0.0	20.4	-	0.0	-	0.0	-	0.0	-	-	-
103.0	50.0	25.7	9.9	-	0.0	-	0.0	-	0.0	-	-	-
103.0	60.0	11.7	0.0	-	-	-	59.0	-	30.1	-	-	-
103.0	70.0	5.9	4.3	-	-	-	14.0	-	5.8	-	-	-
103.0	80.0	19.6	25.4	-	-	-	7.7	-	6.2	-	-	-
103.0	90.0	-	-	-	-	-	0.0	-	37.9	-	-	-
107.0	32.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	35.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	40.0	0.0	21.6	-	0.0	-	0.0	-	0.0	-	-	-
107.0	45.0	5.2	5.5	-	0.0	-	10.5	-	0.0	-	-	-
107.0	50.0	161.2	10.0	-	0.0	-	-	-	0.0	-	-	-
107.0	60.0	5.5	0.0	-	22.4	-	14.6	-	0.0	-	-	-
107.0	70.0	-	49.0	-	-	-	14.5	-	6.1	-	-	-
107.0	80.0	-	53.7	-	-	-	13.3	-	24.2	-	-	-
107.0	90.0	-	-	-	-	-	29.2	-	0.0	-	-	-
110.0	35.0	0.0	0.0	-	0.0	-	32.3	-	11.4	-	-	-
110.0	40.0	34.6	10.2	-	0.0	-	10.9	-	0.0	-	-	-
110.0	45.0	0.0	15.2	-	0.0	-	0.0	-	0.0	-	-	-
110.0	50.0	0.0	5.3	-	0.0	-	0.0	-	0.0	-	-	-
110.0	60.0	5.3	15.5	-	10.7	-	5.2	-	0.0	-	-	-
110.0	70.0	-	16.4	-	-	-	10.6	-	17.6	-	-	-
110.0	80.0	-	150.2	-	-	-	5.4	-	22.6	-	-	-
110.0	90.0	-	-	-	-	-	-	-	23.2	-	-	-
113.0	40.0	5.0	10.6	-	0.0	-	-	-	5.7	-	-	-
113.0	45.0	0.0	5.3	-	13.3	-	-	-	0.0	-	-	-
113.0	50.0	18.5	10.6	-	0.0	-	10.8	-	0.0	-	-	-
113.0	60.0	5.3	5.3	-	-	-	5.4	-	6.3	-	-	-
113.0	70.0	-	27.0	-	-	-	0.0	-	0.0	-	-	-
113.0	80.0	-	21.4	-	-	-	0.0	-	63.6	-	-	-
113.0	90.0	-	-	-	-	-	-	-	59.2	-	-	-
117.0	26.0	-	0.0	-	-	-	-	-	0.0	-	-	-
		4.3	-	-	-	-	-	-	5.1	-	-	-
		-	-	-	-	-	-	-	0.0	-	-	-

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
117.0	45.0	0.0	0.0	-	-	-	-	6.1	10.7	-	-	-
117.0	50.0	4.0	0.0	-	-	-	-	0.0	6.3	-	-	-
117.0	60.0	0.0	6.0	-	-	-	-	0.0	0.0	-	-	-
117.0	70.0	11.7	0.0	-	-	-	-	0.0	41.3	-	-	-
117.0	80.0	17.6	5.8	-	-	-	-	11.3	12.6	-	-	-
120.0	45.0	5.3	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	50.0	10.4	-	0.0	-	-	-	0.0	6.1	-	-	-
120.0	60.0	0.0	-	0.0	-	-	-	11.3	11.9	-	-	-
120.0	70.0	5.0	-	4.9	-	-	-	16.9	45.1	-	-	-
120.0	80.0	15.6	-	4.7	-	-	-	17.2	28.1	-	-	-
123.0	42.0	0.0	-	-	-	-	-	-	5.6	-	-	-
123.0	45.0	0.0	-	0.0	-	-	-	-	60.4	-	-	-
123.0	50.0	0.0	-	4.9	-	-	-	0.0	6.2	-	-	-
123.0	60.0	5.2	-	0.0	-	-	-	0.0	0.0	-	-	-
123.0	45.0	0.0	-	0.0	-	-	-	20.3	5.3	-	-	-
127.0	50.0	4.6	-	0.0	-	-	-	0.0	11.3	-	-	-
127.0	60.0	0.0	-	-	-	-	-	5.9	31.6	-	-	-
130.0	40.0	0.0	-	5.4	-	-	-	-	31.9	-	-	-
130.0	50.0	0.0	-	11.0	-	-	-	23.3	0.0	-	-	-
130.0	60.0	13.7	-	10.2	-	-	-	36.3	5.8	-	-	-
133.0	30.0	0.0	-	4.9	-	-	-	12.8	0.0	-	-	-
133.0	50.0	5.4	-	0.0	-	-	-	5.9	12.0	-	-	-
133.0	60.0	16.0	-	0.0	-	-	-	6.0	17.8	-	-	-
137.0	35.0	0.0	-	5.3	-	-	-	5.5	20.4	-	-	-
137.0	40.0	0.0	-	5.2	-	-	-	0.0	0.0	-	-	-
137.0	50.0	0.0	-	15.2	-	-	-	39.1	0.0	-	-	-
137.0	60.0	16.7	-	26.1	-	-	-	29.5	-	-	-	-

Danaphos oculatus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	80.0	0.0	-	-	-	0.0	-	20.5	-	-	-	-
67.0	60.0	0.0	-	14.7	0.0	0.0	-	0.0	0.0	-	-	-
67.0	70.0	0.0	-	0.0	-	0.0	-	34.4	0.0	-	-	-
70.0	60.0	0.0	-	0.0	0.0	0.0	-	10.7	0.0	-	-	-
70.0	65.0	0.0	-	0.0	10.3	-	-	0.0	0.0	-	-	-
70.0	90.0	0.0	-	11.1	-	0.0	-	0.0	0.0	-	-	-
73.0	60.0	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	65.0	0.0	-	0.0	0.0	-	-	0.0	10.4	-	-	-
73.0	90.0	0.0	-	10.0	-	0.0	-	0.0	0.0	-	-	-
77.0	65.0	0.0	-	0.0	0.0	-	-	0.0	10.5	-	-	-
80.0	60.0	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	70.0	0.0	-	0.0	0.0	12.5	-	0.0	0.0	-	-	-
80.0	90.0	0.0	-	5.4	0.0	0.0	-	0.0	0.0	-	-	-
83.0	55.0	0.0	-	0.0	0.0	-	-	0.0	10.8	-	-	-

TABLE 4. (cont.)

Danaphos oculatus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	50.0	0.0	3.0	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	-	0.0	0.0	-	0.0	5.4	-	-	-
90.0	29.0	0.0	0.0	-	0.0	12.4	-	0.0	0.0	-	-	-
90.0	31.0	0.0	0.0	-	0.0	0.0	-	11.2	0.0	-	-	-
90.0	53.0	0.0	6.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	60.0	0.0	0.0	-	0.0	0.0	5.4	-	0.0	-	-	-
90.0	70.0	5.3	0.0	-	0.0	0.0	7.8	-	0.0	-	-	-
90.0	80.0	5.1	5.8	-	5.2	0.0	5.3	-	0.0	-	-	-
90.0	90.0	16.7	0.0	-	5.2	0.0	0.0	-	0.0	-	-	-
90.0	100.0	5.5	5.5	-	5.0	-	0.0	-	0.0	-	-	-
90.0	130.0	-	-	-	0.0	-	11.2	-	0.0	-	-	-
93.0	55.0	0.0	0.0	5.2	0.0	0.0	0.0	-	11.4	-	-	-
93.0	60.0	0.0	10.8	0.0	-	0.0	15.9	-	0.0	-	-	-
93.0	70.0	0.0	0.0	0.0	-	0.0	0.0	-	16.1	-	-	-
93.0	80.0	4.6	5.8	-	0.0	0.0	0.0	-	0.0	-	-	-
93.0	90.0	0.0	0.0	-	0.0	0.0	0.0	-	5.4	-	-	-
93.0	100.0	0.0	5.5	-	0.0	-	0.0	-	11.1	-	-	-
93.0	130.0	-	-	-	5.4	-	0.0	-	0.0	-	-	-
97.0	32.0	0.0	0.0	-	0.0	-	6.2	-	0.0	-	-	-
97.0	50.0	20.6	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	55.0	0.0	0.0	-	0.0	-	5.1	-	0.0	-	-	-
97.0	60.0	0.0	6.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	70.0	0.0	5.5	-	0.0	-	0.0	-	0.0	-	-	-
97.0	80.0	0.0	5.8	-	0.0	10.0	-	-	0.0	-	-	-
97.0	90.0	4.9	0.0	-	0.0	0.0	-	-	0.0	-	-	-
97.0	90.0	4.6	11.2	-	0.0	0.0	0.0	-	0.0	-	-	-
100.0	80.0	4.5	0.0	-	5.2	-	0.0	-	0.0	-	-	-
100.0	90.0	-	0.0	-	0.0	-	5.9	-	0.0	-	-	-
103.0	35.0	-	0.0	-	10.5	-	0.0	-	0.0	-	-	-
103.0	40.0	-	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	35.0	0.0	5.5	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	5.4	-	0.0	-	0.0	-	0.0	-	-	-
107.0	45.0	0.0	0.0	-	11.5	-	5.1	-	6.1	-	-	-
107.0	60.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	70.0	0.0	5.4	-	-	-	8.5	-	0.0	-	-	-
107.0	80.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
110.0	45.0	9.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	50.0	0.0	5.3	-	0.0	-	0.0	-	0.0	-	-	-
113.0	35.0	0.0	0.0	-	22.8	-	-	-	0.0	-	-	-
113.0	45.0	0.0	0.0	-	39.9	-	0.0	-	0.0	-	-	-
113.0	50.0	0.0	5.3	-	0.0	-	0.0	-	0.0	-	-	-
117.0	80.0	0.0	0.0	-	-	-	-	-	6.3	-	-	-
123.0	42.0	0.0	-	-	-	-	-	-	5.6	-	-	-
133.0	50.0	0.0	-	5.7	-	-	-	-	0.0	-	-	-

TABLE 4. (cont.)

Diplophos taenia

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 180.0	-	-	-	-	0.0	-	0.0	-	11.2	-	-	-
93.0 190.0	-	-	-	-	5.3	-	0.0	-	-	-	-	-

Gonostoma spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 170.0	-	-	-	-	0.0	-	5.2	-	-	-	-	-
93.0 190.0	-	-	-	-	5.3	-	0.0	-	-	-	-	-

Ichthyococcus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 90.0	-	0.0	0.0	-	0.0	0.0	5.4	-	0.0	-	-	-
93.0 29.0	5.6	0.0	0.0	0.0	-	-	0.0	-	0.0	-	-	-
93.0 50.0	0.0	0.0	0.0	5.4	-	0.0	0.0	-	0.0	-	-	-
93.0 100.0	-	0.0	0.0	-	5.6	-	0.0	-	5.6	-	-	-
97.0 60.0	0.0	0.0	0.0	-	8.4	-	0.0	-	0.0	-	-	-
97.0 70.0	-	0.0	0.0	-	4.9	-	0.0	-	0.0	-	-	-
97.0 80.0	-	0.0	0.0	-	4.8	0.0	-	-	0.0	-	-	-
100.0 45.0	0.0	5.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0 50.0	0.0	0.0	0.0	-	0.0	-	9.7	-	0.0	-	-	-
100.0 80.0	0.0	0.0	0.0	-	0.0	-	0.0	-	5.6	-	-	-
103.0 45.0	0.0	-	0.0	-	0.0	-	5.2	-	0.0	-	-	-
103.0 50.0	0.0	0.0	0.0	-	0.0	-	5.8	-	0.0	-	-	-
103.0 60.0	0.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0 70.0	0.0	0.0	0.0	-	-	-	2.8	-	0.0	-	-	-
103.0 80.0	0.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0 35.0	0.0	9.3	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0 40.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0 60.0	0.0	0.0	0.0	-	0.0	-	4.7	-	0.0	-	-	-
107.0 80.0	-	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-
110.0 40.0	0.0	5.7	5.1	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0 50.0	0.0	11.1	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0 60.0	5.3	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0 70.0	-	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-
113.0 40.0	0.0	0.0	0.0	-	11.6	-	-	0.0	0.0	-	-	-
113.0 50.0	0.0	5.3	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
113.0 60.0	0.0	0.0	10.6	-	-	-	5.4	0.0	0.0	-	-	-
113.0 70.0	-	0.0	0.0	-	-	-	0.0	-	6.0	-	-	-
113.0 80.0	-	3.9	0.0	-	-	-	0.0	-	5.8	-	-	-
117.0 60.0	-	4.5	0.0	-	-	-	-	0.0	0.0	-	-	-
117.0 70.0	-	3.9	0.0	-	-	-	-	0.0	5.9	-	-	-
117.0 80.0	-	0.0	0.0	-	-	-	-	0.0	6.3	-	-	-
120.0 50.0	-	0.0	-	0.0	-	-	-	0.0	6.1	-	-	-

TABLE 4. (cont.)

Ichthyococcus spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	70.0	5.0	-	0.0	-	-	-	0.0	6.4	-	-	-
123.0	42.0	0.0	-	-	-	-	-	-	5.6	-	-	-
127.0	50.0	0.0	-	4.9	-	-	-	0.0	0.0	-	-	-
137.0	50.0	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-

Valenciennellus stellatus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	170.0	-	-	-	5.3	-	0.0	-	-	-	-	-
93.0	170.0	-	-	-	0.0	-	5.2	-	-	-	-	-
93.0	190.0	-	-	-	0.0	-	5.2	-	-	-	-	-

Vinciguerria lucretia

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	60.0	0.0	-	0.0	11.4	0.0	-	0.0	0.0	-	-	-
63.0	90.0	-	-	-	-	0.0	-	0.0	5.6	-	-	-
70.0	90.0	0.0	-	0.0	-	5.8	-	0.0	95.4	-	-	-
73.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	9.7	-	-	-
73.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	16.7	-	-	-
73.0	90.0	0.0	-	0.0	0.0	0.0	-	73.3	22.0	-	-	-
77.0	51.0	0.0	-	10.9	0.0	0.0	-	0.0	0.0	-	-	-
77.0	90.0	0.0	-	0.0	0.0	0.0	-	11.0	0.0	-	-	-
80.0	60.0	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	90.0	0.0	-	0.0	0.0	0.0	-	15.3	0.0	-	-	-
83.0	90.0	0.0	-	0.0	-	0.0	-	13.8	1312.1	-	-	-
87.0	32.7	0.0	-	0.0	0.0	0.0	-	0.0	4.7	-	-	-
87.0	60.0	0.0	-	-	0.0	0.0	-	0.0	21.5	-	-	-
87.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	377.3	-	-	-
87.0	80.0	0.0	-	-	0.0	0.0	-	0.0	83.3	-	-	-
87.0	90.0	0.0	-	-	-	10.3	-	43.9	27.4	-	-	-
90.0	53.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	60.0	0.0	-	14.4	0.0	0.0	-	-	0.0	-	-	-
90.0	70.0	5.3	-	18.2	0.0	26.0	-	-	68.0	-	-	-
90.0	80.0	0.0	-	0.0	0.0	37.3	-	-	16.1	-	-	-
90.0	90.0	0.0	-	0.0	0.0	0.0	-	-	341.6	-	-	-
90.0	100.0	0.0	-	0.0	0.0	0.0	-	-	1313.3	-	-	-
90.0	110.0	5.5	-	0.0	0.0	0.0	-	-	1023.8	-	-	-
90.0	120.0	-	-	10.2	0.0	179.2	-	-	2030.7	-	-	-
90.0	130.0	-	-	40.0	0.0	459.2	-	-	2227.6	-	-	-
90.0	140.0	-	-	99.2	0.0	981.0	-	-	2905.0	-	-	-
90.0	150.0	-	-	73.2	0.0	674.1	-	-	1109.9	-	-	-
90.0	160.0	-	-	84.6	0.0	861.9	-	-	676.0	-	-	-
90.0	170.0	-	-	21.4	0.0	981.1	-	-	-	-	-	-

TABLE 4. (cont.)

Vinciguerria lucretia (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	180.0	-	-	-	116.3	-	25.2	-	156.9	-	-	-
90.0	190.0	-	-	-	75.2	-	305.6	-	-	-	-	-
90.0	200.0	-	-	-	30.9	-	34.7	-	-	-	-	-
93.0	26.9	-	-	0.0	-	0.0	-	0.0	-	-	-	-
93.0	30.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	40.0	5.3	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	45.0	11.1	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	50.0	34.4	0.0	0.0	-	0.0	13.4	-	0.0	-	-	-
93.0	55.0	21.0	0.0	0.0	-	5.3	15.9	-	0.0	-	-	-
93.0	60.0	0.0	5.4	0.0	-	24.4	28.1	-	10.7	-	-	-
93.0	70.0	0.0	10.9	0.0	-	103.0	25.4	-	315.3	-	-	-
93.0	80.0	36.7	0.0	5.0	0.0	68.9	210.3	-	1004.5	-	-	-
93.0	90.0	0.0	0.0	-	0.0	-	270.9	-	344.7	-	-	-
93.0	100.0	0.0	0.0	-	41.3	-	827.7	-	1349.1	-	-	-
93.0	110.0	-	-	-	74.2	-	10.4	-	975.4	-	-	-
93.0	120.0	-	-	-	65.4	-	1552.3	-	1847.0	-	-	-
93.0	130.0	-	-	-	59.3	-	130.8	-	2281.1	-	-	-
93.0	140.0	-	-	-	79.1	-	84.0	-	1077.1	-	-	-
93.0	150.0	-	-	-	143.4	-	1295.0	-	158.1	-	-	-
93.0	160.0	-	-	-	26.3	-	31.4	-	-	-	-	-
93.0	170.0	-	-	-	53.8	-	41.3	-	50.2	-	-	-
93.0	180.0	-	-	-	89.8	-	30.9	-	-	-	-	-
93.0	190.0	-	-	-	99.2	-	46.9	-	-	-	-	-
93.0	200.0	-	-	-	0.0	-	0.0	-	-	-	-	-
97.0	32.0	5.2	0.0	0.0	0.0	-	0.0	-	0.0	-	-	-
97.0	40.0	5.4	0.0	0.0	0.0	-	0.0	-	0.0	-	-	-
97.0	45.0	9.9	0.0	0.0	0.0	-	18.6	-	0.0	-	-	-
97.0	50.0	73.8	51.4	0.0	5.1	-	0.0	-	0.0	-	-	-
97.0	55.0	0.0	0.0	76.6	0.0	-	0.0	-	0.0	-	-	-
97.0	60.0	0.0	60.3	0.0	16.8	-	13.6	-	11.9	-	-	-
97.0	70.0	30.0	0.0	0.0	9.8	-	7.3	-	5.9	-	-	-
97.0	80.0	10.1	0.0	0.0	159.7	200.4	-	-	976.4	-	-	-
97.0	90.0	19.4	0.0	0.0	53.0	181.1	-	-	1354.9	-	-	-
97.0	100.0	-	-	-	135.1	-	-	-	2344.9	-	-	-
100.0	35.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	40.0	24.0	0.0	0.0	0.0	-	5.0	-	0.0	-	-	-
100.0	45.0	30.2	5.3	0.0	0.0	-	0.0	-	0.0	-	-	-
100.0	50.0	30.4	49.2	0.0	0.0	-	0.0	-	11.3	-	-	-
100.0	60.0	23.3	31.7	33.9	0.0	-	27.6	-	186.3	-	-	-
100.0	70.0	45.6	5.2	0.0	-	-	35.7	-	1875.5	-	-	-
100.0	80.0	66.9	0.0	0.0	80.0	-	466.2	-	11.2	-	-	-
100.0	90.0	182.0	34.9	0.0	356.0	-	1209.0	-	1125.6	-	-	-
100.0	100.0	-	-	-	108.7	-	-	-	1260.0	-	-	-
103.0	40.0	-	5.6	-	0.0	-	0.0	-	0.0	-	-	-
103.0	45.0	-	96.7	-	0.0	-	0.0	-	0.0	-	-	-
103.0	50.0	26.6	14.9	-	0.0	-	5.8	-	0.0	-	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
103.0	60.0	11.7	23.3	54.2	-	-	75.1	-	348.6	-	-	-
103.0	70.0	64.9	25.8	61.0	-	-	228.3	-	304.2	-	-	-
103.0	80.0	84.0	251.2	86.4	-	-	324.7	-	750.3	-	-	-
103.0	90.0	-	-	-	-	-	409.2	-	2306.8	-	-	-
107.0	32.0	0.0	4.2	0.0	0.0	-	0.0	0.0	0.0	-	-	-
107.0	35.0	5.4	92.8	0.0	0.0	-	0.0	11.0	0.0	-	-	-
107.0	40.0	26.8	21.3	10.8	0.0	-	0.0	-	6.8	-	-	-
107.0	45.0	88.6	28.6	0.0	0.0	-	-	-	12.7	-	-	-
107.0	50.0	253.2	18.7	10.0	0.0	-	4.7	-	0.0	-	-	-
107.0	60.0	38.7	57.3	5.5	-	-	22.6	-	163.9	-	-	-
107.0	70.0	-	123.0	272.5	-	-	1097.8	-	1655.0	-	-	-
107.0	80.0	-	133.8	193.3	-	-	994.0	-	389.9	-	-	-
107.0	90.0	-	-	-	-	-	850.0	-	377.5	-	-	-
110.0	35.0	21.1	51.8	0.0	0.0	-	0.0	0.0	0.0	-	-	-
110.0	40.0	123.5	5.7	66.6	0.0	-	0.0	0.0	12.9	-	-	-
110.0	45.0	42.0	9.0	15.2	0.0	-	0.0	0.0	0.0	-	-	-
110.0	50.0	43.3	55.5	0.0	32.1	-	0.0	0.0	0.0	-	-	-
110.0	60.0	31.9	353.4	98.2	-	-	1637.0	-	1427.8	-	-	-
110.0	70.0	-	299.8	65.6	-	-	604.2	-	999.6	-	-	-
110.0	80.0	-	75.0	238.3	-	-	905.8	-	299.5	-	-	-
110.0	90.0	-	-	-	-	-	-	-	474.8	-	-	-
113.0	35.0	15.4	63.8	25.6	-	-	-	-	0.0	-	-	-
113.0	40.0	40.2	137.2	10.6	0.0	-	-	0.0	33.9	-	-	-
113.0	45.0	15.9	29.6	10.6	0.0	-	-	0.0	17.8	-	-	-
113.0	50.0	92.4	42.8	21.1	12.1	-	21.6	5.5	12.3	-	-	-
113.0	60.0	10.6	141.1	10.6	-	-	943.3	0.0	25.2	-	-	-
113.0	70.0	-	14.3	92.0	-	-	47.8	-	30.2	-	-	-
113.0	80.0	-	62.7	85.8	-	-	41.0	-	624.2	-	-	-
113.0	90.0	-	-	-	-	-	-	97.1	1148.5	-	-	-
117.0	35.0	-	4.7	0.0	-	-	-	0.0	0.0	-	-	-
117.0	40.0	-	0.0	0.0	-	-	-	0.0	5.9	-	-	-
117.0	45.0	-	9.3	11.5	-	-	-	146.2	278.2	-	-	-
117.0	50.0	-	76.2	34.4	-	-	-	10.9	575.0	-	-	-
117.0	60.0	-	9.1	0.0	-	-	-	45.0	223.1	-	-	-
117.0	70.0	-	210.6	25.5	-	-	-	740.0	743.4	-	-	-
117.0	80.0	-	211.2	277.0	-	-	-	73.5	383.1	-	-	-
120.0	40.0	-	0.0	-	0.0	-	-	0.0	4.6	-	-	-
120.0	45.0	-	58.4	-	9.5	-	-	0.0	61.1	-	-	-
120.0	50.0	-	41.6	-	24.4	-	-	98.2	171.1	-	-	-
120.0	60.0	-	36.5	-	14.3	-	-	22.5	148.3	-	-	-
120.0	70.0	-	14.9	-	77.8	-	-	629.4	645.0	-	-	-
120.0	80.0	-	93.4	-	160.8	-	-	491.9	382.2	-	-	-
123.0	42.0	-	45.7	-	-	-	-	-	863.4	-	-	-
123.0	45.0	-	4.8	-	13.8	-	-	-	2023.4	-	-	-
123.0	50.0	-	33.5	-	49.2	-	-	0.0	204.9	-	-	-
123.0	60.0	-	46.6	-	15.3	-	-	36.3	0.0	-	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
127.0	34.0	0.0	-	4.7	-	-	-	0.0	0.0	-	-	-
127.0	40.0	-	-	28.6	-	-	-	191.0	23.2	-	-	-
127.0	45.0	28.4	-	28.3	-	-	-	148.7	1039.5	-	-	-
127.0	50.0	105.1	-	24.7	-	-	-	167.0	174.5	-	-	-
127.0	60.0	0.0	-	-	-	-	-	668.0	179.8	-	-	-
130.0	30.0	0.0	-	4.6	-	-	-	0.0	0.0	-	-	-
130.0	35.0	0.0	-	37.1	-	-	-	187.1	87.7	-	-	-
130.0	40.0	50.2	-	21.5	-	-	-	-	651.8	-	-	-
130.0	50.0	71.3	-	247.0	-	-	-	873.0	96.2	-	-	-
130.0	60.0	164.9	-	469.2	-	-	-	393.3	292.0	-	-	-
133.0	23.0	0.0	-	9.8	-	-	-	0.0	0.0	-	-	-
133.0	25.0	0.0	-	13.8	-	-	-	0.0	0.0	-	-	-
133.0	30.0	0.0	-	64.0	-	-	-	665.6	0.0	-	-	-
133.0	35.0	100.5	-	173.5	-	-	-	582.1	17.2	-	-	-
133.0	40.0	339.1	-	140.1	-	-	-	1275.1	41.2	-	-	-
133.0	50.0	70.8	-	231.7	-	-	-	212.4	47.8	-	-	-
133.0	60.0	202.2	-	98.2	-	-	-	126.2	338.0	-	-	-
137.0	23.0	0.0	-	9.2	-	-	-	0.0	-	-	-	-
137.0	30.0	0.0	-	31.4	-	-	-	124.1	0.0	-	-	-
137.0	35.0	42.9	-	84.2	-	-	-	586.4	51.0	-	-	-
137.0	40.0	54.3	-	141.5	-	-	-	696.6	24.2	-	-	-
137.0	50.0	142.5	-	191.9	-	-	-	948.6	393.4	-	-	-
137.0	60.0	372.5	-	182.4	-	-	-	100.5	-	-	-	-

Vinciguerria poweriae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
67.0	90.0	0.0	-	5.2	-	0.0	-	0.0	0.0	-	-	-
83.0	80.0	5.1	-	0.0	-	0.0	-	0.0	0.0	-	-	-
90.0	130.0	-	-	-	5.0	-	0.0	-	0.0	-	-	-
90.0	140.0	-	-	-	26.1	-	0.0	-	0.0	-	-	-
90.0	150.0	-	-	-	0.0	-	10.7	-	0.0	-	-	-
90.0	170.0	-	-	-	0.0	-	10.2	-	-	-	-	-
90.0	190.0	-	-	-	16.1	-	17.0	-	-	-	-	-
90.0	200.0	-	-	-	5.2	-	5.0	-	-	-	-	-
93.0	110.0	-	-	-	20.6	-	0.0	-	0.0	-	-	-
93.0	130.0	-	-	-	10.9	-	0.0	-	0.0	-	-	-
93.0	140.0	-	-	-	5.4	-	4.7	-	21.5	-	-	-
93.0	150.0	-	-	-	0.0	-	0.0	-	21.8	-	-	-
93.0	160.0	-	-	-	15.4	-	50.0	-	10.5	-	-	-
93.0	170.0	-	-	-	5.3	-	5.2	-	-	-	-	-
93.0	180.0	-	-	-	5.4	-	0.0	-	5.6	-	-	-
93.0	190.0	-	-	-	21.1	-	0.0	-	-	-	-	-
93.0	200.0	-	-	-	9.9	-	0.0	-	-	-	-	-
97.0	100.0	-	-	-	4.7	-	-	-	0.0	-	-	-

TABLE 4. (cont.)

Vinciguerria poweriae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	70.0	4.6	0.0	-	-	-	0.0	-	0.0	-	-	-
100.0	90.0	0.0	11.6	-	0.0	-	0.0	-	0.0	-	-	-
100.0	100.0	-	-	-	9.1	-	-	-	0.0	-	-	-
103.0	70.0	12.9	0.0	-	-	0.0	-	-	0.0	-	-	-

Sternoptychidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	60.0	0.0	-	11.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	55.0	11.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	10.9	-	-	-
63.0	80.0	0.0	-	-	-	0.0	-	10.3	-	-	-	-
63.0	90.0	-	-	-	-	0.0	-	0.0	5.6	-	-	-
67.0	60.0	0.0	-	29.3	0.0	0.0	-	0.0	0.0	-	-	-
67.0	70.0	0.0	-	16.5	-	10.6	-	11.5	0.0	-	-	-
67.0	80.0	0.0	-	0.0	-	0.0	-	0.0	5.5	-	-	-
67.0	90.0	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	-
70.0	65.0	0.0	-	0.0	10.3	0.0	-	0.0	0.0	-	-	-
70.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	11.2	-	-	-
70.0	80.0	0.0	-	0.0	-	0.0	-	11.3	11.0	-	-	-
70.0	90.0	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	-
73.0	65.0	10.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	70.0	0.0	-	0.0	10.7	0.0	-	0.0	0.0	-	-	-
73.0	80.0	0.0	-	0.0	0.0	0.0	-	5.0	27.9	-	-	-
73.0	90.0	0.0	-	0.0	0.0	0.0	-	10.2	0.0	-	-	-
77.0	65.0	0.0	-	0.0	-	5.7	-	0.0	5.5	-	-	-
77.0	80.0	0.0	-	11.0	0.0	-	-	0.0	10.5	-	-	-
77.0	90.0	0.0	-	0.0	-	5.9	-	0.0	0.0	-	-	-
80.0	51.0	0.0	-	0.0	-	6.0	-	5.5	0.0	-	-	-
80.0	55.0	0.0	-	0.0	0.0	0.0	-	0.0	10.2	-	-	-
80.0	60.0	0.0	-	21.4	0.0	0.0	-	0.0	10.9	-	-	-
80.0	70.0	0.0	-	10.0	0.0	0.0	-	0.0	10.8	-	-	-
80.0	80.0	0.0	-	0.0	10.8	0.0	-	0.0	0.0	-	-	-
80.0	90.0	0.0	-	10.5	-	0.0	-	0.0	0.0	-	-	-
83.0	65.0	0.0	-	0.0	-	4.9	-	0.0	11.4	-	-	-
83.0	70.0	0.0	-	0.0	0.0	-	-	13.5	10.8	-	-	-
83.0	80.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	90.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	35.0	0.0	-	19.1	0.0	4.9	-	0.0	17.3	-	-	-
87.0	36.0	0.0	-	5.6	12.3	-	-	0.0	0.0	-	-	-
87.0	40.0	0.0	-	5.8	0.0	24.3	-	0.0	0.0	-	-	-
87.0	45.0	11.2	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	9.8	-	0.0	23.9	24.7	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	60.0	0.0	12.1	-	11.3	0.0	-	0.0	21.5	-	-	-
87.0	70.0	10.5	11.5	-	5.4	0.0	-	0.0	21.6	-	-	-
87.0	80.0	5.3	5.7	-	-	0.0	-	0.0	5.6	-	-	-
87.0	90.0	0.0	0.0	-	-	0.0	-	8.8	0.0	-	-	-
90.0	29.0	11.0	13.9	-	9.7	0.0	-	0.0	0.0	-	-	-
90.0	30.0	10.5	10.9	-	0.0	10.7	-	12.0	0.0	-	-	-
90.0	31.0	5.8	12.4	-	12.7	0.0	-	11.2	0.0	-	-	-
90.0	33.0	12.0	49.4	-	11.4	0.0	-	0.0	0.0	-	-	-
90.0	37.0	0.0	11.8	-	0.0	0.0	-	0.0	-	-	-	-
90.0	45.0	0.0	11.2	-	0.0	0.0	0.0	-	-	-	-	-
90.0	53.0	5.0	0.0	-	0.0	0.0	12.3	-	0.0	-	-	-
90.0	60.0	0.0	12.3	-	0.0	0.0	5.4	-	5.7	-	-	-
90.0	70.0	15.9	11.7	-	0.0	5.2	23.5	-	5.7	-	-	-
90.0	80.0	5.1	0.0	-	0.0	5.3	5.3	-	0.0	-	-	-
90.0	80.0	0.0	5.9	-	0.0	0.0	16.2	-	0.0	-	-	-
90.0	90.0	0.0	11.0	-	0.0	0.0	5.4	-	5.2	-	-	-
90.0	100.0	-	-	-	0.0	-	5.5	-	0.0	-	-	-
90.0	110.0	-	-	-	0.0	-	15.8	-	10.7	-	-	-
90.0	120.0	-	-	-	5.1	-	11.2	-	21.7	-	-	-
90.0	130.0	-	-	-	0.0	-	21.6	-	16.0	-	-	-
90.0	140.0	-	-	-	10.4	-	5.3	-	0.0	-	-	-
90.0	150.0	-	-	-	15.7	-	20.4	-	10.3	-	-	-
90.0	160.0	-	-	-	5.3	-	5.7	-	-	-	-	-
90.0	170.0	-	-	-	10.7	-	0.0	-	10.8	-	-	-
90.0	180.0	-	-	-	5.5	-	5.7	-	-	-	-	-
90.0	190.0	-	-	-	16.1	-	0.0	-	-	-	-	-
90.0	200.0	-	-	-	30.9	-	0.0	-	-	-	-	-
93.0	26.9	0.0	5.4	-	0.0	0.0	-	0.0	-	-	-	-
93.0	28.0	12.2	5.9	-	0.0	0.0	10.6	-	0.0	-	-	-
93.0	29.0	0.0	0.0	-	5.6	-	0.0	-	0.0	-	-	-
93.0	30.0	5.9	38.0	-	0.0	0.0	0.0	-	0.0	-	-	-
93.0	35.0	0.0	20.4	-	-	12.5	0.0	-	0.0	-	-	-
93.0	40.0	26.2	5.6	-	12.0	0.0	0.0	-	0.0	-	-	-
93.0	45.0	0.0	0.0	-	0.0	11.8	0.0	-	0.0	-	-	-
93.0	50.0	14.8	0.0	-	-	0.0	11.1	-	0.0	-	-	-
93.0	55.0	0.0	0.0	-	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	5.4	-	-	0.0	5.3	-	5.2	-	-	-
93.0	70.0	5.4	10.9	-	15.8	9.8	5.6	-	0.0	-	-	-
93.0	80.0	10.8	34.8	-	5.0	5.2	5.1	-	11.9	-	-	-
93.0	90.0	-	0.0	-	4.7	4.9	0.0	-	21.7	-	-	-
93.0	100.0	-	16.4	-	5.6	-	10.4	-	0.0	-	-	-
93.0	110.0	-	-	-	0.0	-	5.4	-	5.4	-	-	-
93.0	120.0	-	-	-	10.3	-	0.0	-	5.3	-	-	-
93.0	130.0	-	-	-	5.3	-	10.6	-	11.1	-	-	-
93.0	140.0	-	-	-	10.9	-	9.3	-	5.4	-	-	-
93.0	150.0	-	-	-	16.2	-	5.3	-	10.0	-	-	-
93.0	160.0	-	-	-	5.1	-	30.0	-	10.5	-	-	-

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	180.0	-	-	-	0.0	-	10.3	-	5.6	-	-	-
93.0	190.0	-	-	-	15.8	-	10.3	-	-	-	-	-
93.0	200.0	-	-	-	24.8	-	10.4	-	-	-	-	-
97.0	32.0	0.0	0.0	-	9.0	-	5.6	-	5.9	-	-	-
97.0	35.0	4.9	0.0	-	0.0	-	4.6	-	0.0	-	-	-
97.0	40.0	0.0	0.0	-	9.8	-	16.0	-	0.0	-	-	-
97.0	45.0	20.8	0.0	-	18.4	-	12.4	-	0.0	-	-	-
97.0	50.0	0.0	11.8	-	5.1	-	11.9	-	0.0	-	-	-
97.0	55.0	4.8	0.0	-	10.7	-	11.3	-	0.0	-	-	-
97.0	60.0	0.0	6.0	-	0.0	-	5.3	-	0.0	-	-	-
97.0	70.0	15.0	16.4	-	14.7	-	7.4	-	0.0	-	-	-
97.0	80.0	20.2	11.6	-	0.0	10.0	-	-	18.5	-	-	-
97.0	90.0	0.0	16.2	-	0.0	0.0	-	-	5.8	-	-	-
97.0	100.0	-	-	-	18.6	-	-	-	0.0	-	-	-
100.0	29.0	0.0	0.0	-	5.0	-	0.0	-	0.0	-	-	-
100.0	30.0	4.8	0.0	-	18.2	-	0.0	-	0.0	-	-	-
100.0	35.0	0.0	5.1	-	10.6	-	5.0	-	0.0	-	-	-
100.0	40.0	0.0	0.0	-	12.0	-	5.0	-	11.3	-	-	-
100.0	45.0	10.1	5.3	-	10.4	-	9.7	-	0.0	-	-	-
100.0	50.0	5.4	14.8	-	11.5	-	19.4	-	0.0	-	-	-
100.0	60.0	11.3	0.0	-	5.7	-	0.0	-	0.0	-	-	-
100.0	70.0	5.1	9.1	-	-	-	10.2	-	12.1	-	-	-
100.0	80.0	2.9	0.0	-	10.0	-	0.0	-	0.0	-	-	-
100.0	90.0	7.8	11.6	-	0.0	-	15.2	-	6.7	-	-	-
100.0	100.0	-	-	-	27.2	-	-	-	0.0	-	-	-
103.0	30.0	0.0	0.0	-	5.0	-	0.0	-	0.0	-	-	-
103.0	35.0	0.0	5.5	-	13.3	-	0.0	-	0.0	-	-	-
103.0	40.0	19.1	5.6	-	31.6	-	23.2	-	0.0	-	-	-
103.0	45.0	12.5	10.2	-	12.0	-	0.0	-	13.0	-	-	-
103.0	50.0	12.9	0.0	-	10.5	-	0.0	-	0.0	-	-	-
103.0	60.0	0.0	0.0	-	-	-	24.1	-	6.0	-	-	-
103.0	70.0	3.0	0.0	-	-	-	2.8	-	0.0	-	-	-
103.0	80.0	11.2	5.1	-	-	-	0.0	-	0.0	-	-	-
107.0	32.0	0.0	0.0	-	8.8	-	0.0	0.0	0.0	-	-	-
107.0	35.0	0.0	11.0	-	0.0	-	10.1	0.0	0.0	-	-	-
107.0	40.0	5.4	32.4	-	0.0	-	0.0	-	20.3	-	-	-
107.0	45.0	10.4	5.5	-	34.5	-	-	-	25.5	-	-	-
107.0	50.0	0.0	29.9	-	5.6	-	19.3	-	0.0	-	-	-
107.0	60.0	5.5	0.0	-	-	-	0.0	-	6.1	-	-	-
107.0	70.0	-	32.7	-	-	-	2.7	-	6.0	-	-	-
107.0	80.0	-	0.0	-	-	-	3.0	-	0.0	-	-	-
110.0	35.0	0.0	0.0	-	11.3	-	0.0	0.0	0.0	-	-	-
110.0	40.0	4.9	15.4	-	32.6	-	22.7	0.0	0.0	-	-	-
110.0	45.0	10.5	15.2	-	11.1	-	0.0	0.0	6.6	-	-	-
110.0	50.0	27.0	5.3	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	60.0	15.9	10.3	-	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	70.0	31.6	5.5	-	-	-	0.0	-	0.0	-	-	-
110.0	80.0	10.0	25.9	-	-	-	0.0	-	5.7	-	-	-
110.0	90.0	-	-	-	-	-	-	-	5.8	-	-	-
113.0	35.0	0.0	5.1	-	45.5	-	-	-	0.0	-	-	-
113.0	40.0	4.7	0.0	-	0.0	-	0.0	5.6	0.0	-	-	-
113.0	50.0	0.0	5.3	-	12.1	-	0.0	0.0	0.0	-	-	-
113.0	60.0	8.8	10.6	-	-	-	5.4	5.2	6.3	-	-	-
113.0	70.0	0.0	16.2	-	-	-	10.6	-	0.0	-	-	-
113.0	80.0	0.0	10.7	-	-	-	10.3	-	0.0	-	-	-
113.0	90.0	-	-	-	-	-	-	0.0	11.8	-	-	-
117.0	30.0	0.0	5.2	-	-	-	-	0.0	0.0	-	-	-
117.0	45.0	0.0	5.7	-	-	-	-	12.2	5.3	-	-	-
117.0	60.0	4.5	0.0	-	-	-	-	0.0	0.0	-	-	-
117.0	70.0	11.7	0.0	-	-	-	-	0.0	0.0	-	-	-
117.0	80.0	0.0	11.5	-	-	-	-	11.3	6.3	-	-	-
120.0	45.0	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-
120.0	50.0	0.0	-	0.0	-	-	-	0.0	12.2	-	-	-
120.0	60.0	0.0	-	4.8	-	-	-	11.3	0.0	-	-	-
120.0	70.0	9.9	-	4.9	-	-	-	0.0	0.0	-	-	-
120.0	80.0	5.2	-	0.0	-	-	-	0.0	11.2	-	-	-
123.0	42.0	0.0	-	0.0	-	-	-	-	11.1	-	-	-
123.0	45.0	9.6	-	0.0	-	-	-	-	18.1	-	-	-
123.0	50.0	24.0	-	4.9	-	-	-	0.0	12.4	-	-	-
123.0	60.0	0.0	-	5.1	-	-	-	0.0	0.0	-	-	-
127.0	40.0	0.0	-	9.5	-	-	-	0.0	0.0	-	-	-
127.0	45.0	-	-	9.4	-	-	-	6.8	10.5	-	-	-
127.0	50.0	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-
130.0	40.0	0.0	-	0.0	-	-	-	-	6.4	-	-	-
130.0	50.0	5.0	-	0.0	-	-	-	5.8	0.0	-	-	-
130.0	60.0	9.2	-	5.1	-	-	-	0.0	17.5	-	-	-
133.0	30.0	0.0	-	4.9	-	-	-	0.0	0.0	-	-	-
133.0	35.0	0.0	-	0.0	-	-	-	0.0	0.0	-	-	-
133.0	40.0	17.9	-	4.8	-	-	-	11.9	0.0	-	-	-
133.0	50.0	0.0	-	11.3	-	-	-	18.5	0.0	-	-	-
133.0	60.0	21.3	-	0.0	-	-	-	5.9	0.0	-	-	-
137.0	35.0	5.4	-	0.0	-	-	-	6.0	11.9	-	-	-
137.0	40.0	9.9	-	0.0	-	-	-	5.5	5.1	-	-	-
137.0	50.0	5.5	-	5.2	-	-	-	34.3	0.0	-	-	-
137.0	60.0	27.8	-	10.1	-	-	-	5.6	0.0	-	-	-
				5.2	-	-	-	0.0	-	-	-	-

Chauliodus macouni

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	0.0	0.0	0.0	-	10.2	0.0	-	-	-
60.0	60.0	0.0	-	0.0	0.0	0.0	-	10.8	11.1	-	-	-

TABLE 4. (cont.)

Chaulioidus macouni (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	0.0	0.0						0.0	10.7			
60.0	0.0	0.0				9.6		5.3	10.9			
60.0						0.0		9.2	5.7			
63.0		0.0		0.0	11.4	0.0		0.0	0.0			
63.0		0.0		0.0		18.6		11.3	0.0			
63.0		0.0				0.0		0.0				
63.0		0.0		0.0	11.0	0.0		0.0	16.8			
67.0		33.8		0.0		0.0		0.0	9.9			
67.0		0.0		0.0		0.0		0.0	11.7			
67.0		0.0		0.0		0.0		0.0	11.0			
67.0		0.0		0.0	0.0	0.0		0.0	5.5			
70.0		0.0		0.0	0.0	0.0		10.0	11.6			
70.0		11.6		0.0	0.0	0.0		21.4	10.5			
70.0		0.0		0.0	0.0	0.0		0.0	12.0			
70.0		0.0		0.0	0.0	0.0		10.9	11.2			
70.0		0.0		0.0	0.0	0.0		0.0	32.9			
70.0		0.0		0.0		5.8		10.2	5.3			
73.0		0.0		0.0	0.0	12.0		12.4	0.0			
73.0		0.0		0.0	0.0	12.3		0.0	0.0			
73.0		0.0		0.0	10.7			0.0	0.0			
73.0		0.0		0.0	10.4	0.0		5.0	0.0			
77.0		0.0		0.0		11.9		0.0	0.0			
77.0		0.0		5.5		0.0		0.0	0.0			
80.0		0.0		10.0	0.0	11.7		0.0	0.0			
80.0		0.0		0.0	0.0	0.0		10.9	0.0			
80.0		0.0		0.0		0.0		11.4	0.0			
80.0		0.0		5.4		0.0		0.0	0.0			
80.0		0.0		0.0	0.0	0.0		0.0	12.2			
83.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0			
83.0	0.0	0.0		10.0	19.0	0.0		0.0	0.0			
83.0	5.4	10.2		0.0	0.0	0.0		4.9	0.0			
83.0		5.3		0.0		0.0		0.0	0.0			
87.0	0.0	0.0		6.4	0.0	0.0		0.0	0.0			
87.0	0.0	0.0		0.0	0.0	0.0		12.2	11.3			
87.0	0.0	0.0		0.0	0.0	0.0		0.0	13.5			
87.0	0.0	0.0		0.0	11.9	0.0		0.0	0.0			
87.0	0.0	0.0		0.0	5.7	0.0		0.0	0.0			
87.0	6.0	0.0	0.0		0.0	0.0		0.0	0.0			
87.0	5.2	0.0	11.5			5.0		0.0	0.0			
87.0		5.1	0.0			5.1		0.0	0.0			
90.0	0.0	0.0	0.0		0.0	11.6	10.9		0.0			
90.0	0.0	0.0	0.0		4.8	0.0	0.0		0.0			
90.0	0.0	10.6	0.0		0.0	0.0	0.0		0.0			
90.0	0.0	10.2	0.0		0.0	0.0	5.4		0.0			
90.0		0.0	0.0		0.0	0.0	5.4		0.0			
90.0		0.0	0.0		0.0				0.0			
90.0		0.0	0.0		0.0				0.0			

TABLE 4. (cont.)

Chauliodus macouni (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	110.0	-	-	-	5.2	-	0.0	-	0.0	-	-	-
90.0	120.0	-	-	-	0.0	-	0.0	-	10.7	-	-	-
90.0	130.0	-	-	-	5.0	-	0.0	-	0.0	-	-	-
93.0	29.0	0.0	0.0	5.6	-	0.0	0.0	-	0.0	-	-	-
93.0	30.0	5.9	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	35.0	0.0	0.0	11.0	-	0.0	0.0	-	0.0	-	-	-
93.0	45.0	0.0	0.0	0.0	-	0.0	10.1	-	21.3	-	-	-
93.0	50.0	0.0	0.0	0.0	-	0.0	0.0	-	11.8	-	-	-
93.0	55.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	5.2	0.0	0.0	-	5.3	0.0	-	10.4	-	-	-
93.0	70.0	10.8	0.0	5.0	-	0.0	0.0	-	5.4	-	-	-
93.0	80.0	5.4	0.0	-	4.7	5.2	5.1	-	5.4	-	-	-
93.0	90.0	0.0	5.8	-	5.6	0.0	0.0	-	5.4	-	-	-
93.0	100.0	0.0	0.0	-	11.1	0.0	5.2	-	0.0	-	-	-
97.0	32.0	0.0	0.0	-	0.0	-	11.7	-	0.0	-	-	-
97.0	35.0	0.0	0.0	-	0.0	-	5.2	-	0.0	-	-	-
97.0	40.0	5.5	0.0	-	9.0	-	0.0	-	0.0	-	-	-
97.0	45.0	10.4	0.0	-	9.2	-	0.0	-	0.0	-	-	-
97.0	50.0	0.0	0.0	-	5.1	-	0.0	-	0.0	-	-	-
97.0	55.0	24.6	5.9	-	0.0	-	0.0	-	0.0	-	-	-
97.0	60.0	19.2	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	80.0	11.3	0.0	-	0.0	-	0.0	-	11.9	-	-	-
97.0	80.0	0.0	5.8	-	0.0	0.0	-	-	0.0	-	-	-
100.0	40.0	0.0	0.0	-	12.0	-	0.0	-	0.0	-	-	-
100.0	45.0	0.0	5.3	-	0.0	-	0.0	-	12.6	-	-	-
100.0	50.0	0.0	0.0	-	0.0	-	9.7	-	0.0	-	-	-
100.0	60.0	0.0	0.0	-	5.7	-	0.0	-	0.0	-	-	-
100.0	80.0	0.0	0.0	-	0.0	-	0.0	-	5.6	-	-	-
103.0	35.0	0.0	0.0	-	0.0	-	5.9	-	0.0	-	-	-
103.0	40.0	0.0	0.0	-	0.0	-	0.0	-	13.7	-	-	-
103.0	45.0	0.0	0.0	-	12.0	-	0.0	-	0.0	-	-	-
103.0	50.0	12.9	5.0	-	0.0	-	5.8	-	0.0	-	-	-
103.0	60.0	0.0	0.0	-	11.0	-	5.2	-	0.0	-	-	-
107.0	35.0	0.0	5.5	-	-	-	0.0	0.0	0.0	-	-	-
107.0	60.0	5.8	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	35.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	40.0	0.0	0.0	-	0.0	-	22.7	0.0	0.0	-	-	-
110.0	60.0	0.0	5.2	-	0.0	-	0.0	-	0.0	-	-	-
113.0	35.0	0.0	5.1	-	0.0	-	-	-	0.0	-	-	-
117.0	45.0	0.0	0.0	-	-	-	-	0.0	5.3	-	-	-
117.0	70.0	3.9	0.0	-	-	-	-	0.0	0.0	-	-	-
123.0	45.0	4.8	-	0.0	-	-	-	-	0.0	-	-	-

TABLE 4. (cont.)

Idiacanthus antrostomus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	80.0	0.0	-	-	-	0.0	-	5.3	0.0	-	-	-
63.0	80.0	10.0	-	-	-	0.0	-	0.0	-	-	-	-
70.0	90.0	0.0	-	0.0	0.0	0.0	-	5.1	0.0	-	-	-
73.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	27.9	-	-	-
73.0	80.0	0.0	-	0.0	0.0	0.0	-	5.1	0.0	-	-	-
73.0	90.0	0.0	-	0.0	0.0	0.0	-	4.9	0.0	-	-	-
77.0	90.0	0.0	-	0.0	0.0	0.0	-	21.9	0.0	-	-	-
83.0	90.0	5.3	-	4.9	-	0.0	-	0.0	11.6	-	-	-
87.0	70.0	0.0	-	-	0.0	0.0	-	0.0	5.4	-	-	-
87.0	80.0	0.0	-	-	0.0	0.0	-	0.0	5.6	-	-	-
87.0	90.0	0.0	-	-	0.0	10.3	-	0.0	11.0	-	-	-
90.0	70.0	0.0	-	-	0.0	0.0	0.0	-	5.4	-	-	-
90.0	80.0	0.0	-	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	90.0	0.0	-	-	0.0	0.0	0.0	-	5.4	-	-	-
90.0	100.0	0.0	-	-	0.0	0.0	0.0	-	10.3	-	-	-
90.0	120.0	-	-	-	0.0	-	0.0	-	0.0	-	-	-
90.0	130.0	-	-	-	0.0	-	11.2	-	0.0	-	-	-
90.0	140.0	-	-	-	5.2	-	0.0	-	5.3	-	-	-
90.0	150.0	-	-	-	0.0	-	21.4	-	0.0	-	-	-
90.0	160.0	-	-	-	0.0	-	25.5	-	31.6	-	-	-
90.0	170.0	-	-	-	0.0	-	35.8	-	31.0	-	-	-
90.0	190.0	-	-	-	0.0	-	34.0	-	-	-	-	-
93.0	70.0	3.9	-	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	80.0	9.2	-	0.0	0.0	0.0	10.1	-	0.0	-	-	-
93.0	90.0	5.3	-	0.0	0.0	0.0	25.7	-	32.6	-	-	-
93.0	100.0	0.0	-	0.0	0.0	-	20.8	-	16.7	-	-	-
93.0	110.0	-	-	0.0	0.0	-	27.0	-	0.0	-	-	-
93.0	120.0	-	-	0.0	0.0	-	5.2	-	21.3	-	-	-
93.0	130.0	-	-	5.4	0.0	-	5.3	-	11.1	-	-	-
93.0	140.0	-	-	0.0	0.0	-	0.0	-	21.5	-	-	-
93.0	150.0	-	-	0.0	0.0	-	19.8	-	5.4	-	-	-
93.0	160.0	-	-	0.0	0.0	-	5.0	-	0.0	-	-	-
93.0	180.0	-	-	0.0	0.0	-	5.2	-	0.0	-	-	-
97.0	60.0	11.3	-	0.0	0.0	-	0.0	-	0.0	-	-	-
97.0	70.0	0.0	-	5.5	0.0	-	0.0	-	0.0	-	-	-
97.0	80.0	5.1	-	0.0	0.0	0.0	-	-	0.0	-	-	-
97.0	90.0	0.0	-	5.4	0.0	0.0	-	-	0.0	-	-	-
97.0	100.0	-	-	-	4.7	0.0	-	-	17.4	-	-	-
100.0	50.0	5.4	-	0.0	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	10.6	-	0.0	0.0	-	0.0	-	0.0	-	-	-
100.0	70.0	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-	-
100.0	80.0	0.0	-	0.0	0.0	-	0.0	-	5.6	-	-	-
100.0	90.0	5.8	-	0.0	0.0	-	0.0	-	0.0	-	-	-
100.0	100.0	5.2	-	5.8	0.0	-	0.0	-	5.8	-	-	-
103.0	50.0	-	-	0.0	0.0	-	0.0	-	0.0	-	-	-
103.0	60.0	3.8	-	0.0	0.0	-	0.0	-	0.0	-	-	-
103.0	60.0	0.0	-	10.8	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Idiacanthus antrostomus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
103.0	70.0	4.3	0.0	-	-	-	0.0	-	0.0	-	-	-
103.0	80.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	45.0	0.0	0.0	0.0	-	-	-	-	0.0	-	-	-
107.0	50.0	4.7	0.0	0.0	-	-	0.0	-	0.0	-	-	-
107.0	60.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0	40.0	5.7	0.0	0.0	-	-	0.0	0.0	0.0	-	-	-
110.0	70.0	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-
110.0	80.0	5.0	0.0	-	-	-	0.0	-	0.0	-	-	-
113.0	40.0	0.0	0.0	0.0	-	-	-	0.0	0.0	-	-	-

Aristostomias scintillans

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	90.0	0.0	-	0.0	-	0.0	-	5.1	5.3	-	-	-
90.0	100.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
90.0	120.0	-	-	10.2	-	-	0.0	-	0.0	-	-	-
90.0	140.0	-	-	10.4	-	-	0.0	-	0.0	-	-	-
90.0	150.0	-	-	26.1	-	-	5.3	-	0.0	-	-	-
90.0	160.0	-	-	10.6	-	-	5.1	-	0.0	-	-	-
90.0	170.0	-	-	10.7	-	-	0.0	-	-	-	-	-
90.0	180.0	-	-	5.5	-	-	0.0	-	0.0	-	-	-
93.0	60.0	0.0	5.4	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	100.0	0.0	0.0	-	-	-	5.2	-	0.0	-	-	-
93.0	120.0	-	-	15.9	-	-	0.0	-	0.0	-	-	-
93.0	130.0	-	-	10.9	-	-	0.0	-	0.0	-	-	-
93.0	140.0	-	-	10.8	-	-	0.0	-	0.0	-	-	-
93.0	150.0	-	-	5.3	-	-	0.0	-	0.0	-	-	-
93.0	170.0	-	-	5.3	-	-	0.0	-	-	-	-	-
97.0	70.0	0.0	0.0	4.9	-	-	0.0	-	0.0	-	-	-
97.0	100.0	-	-	9.3	-	-	-	-	0.0	-	-	-
100.0	100.0	-	-	4.5	-	-	-	-	0.0	-	-	-
107.0	80.0	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-

Bathophilus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	90.0	-	-	0.0	-	0.0	-	5.1	0.0	-	-	-
90.0	110.0	-	-	-	-	-	0.0	-	0.0	-	-	-
90.0	120.0	-	-	-	5.2	-	0.0	-	0.0	-	-	-
90.0	140.0	-	-	-	10.2	-	5.4	-	0.0	-	-	-
90.0	170.0	-	-	-	21.4	-	0.0	-	-	-	-	-
90.0	190.0	-	-	-	5.4	-	0.0	-	-	-	-	-
90.0	200.0	-	-	-	10.3	-	0.0	-	-	-	-	-
93.0	110.0	-	-	-	0.0	-	0.0	-	10.9	-	-	-

TABLE 4. (cont.)

Bathophilus spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 140.0	-	-	-	-	5.4	-	0.0	-	0.0	-	-	-
93.0 170.0	-	-	-	-	0.0	-	5.2	-	-	-	-	-
93.0 180.0	-	-	-	-	0.0	-	5.2	-	0.0	-	-	-
93.0 200.0	-	-	-	-	0.0	-	5.2	-	-	-	-	-
97.0 90.0	-	0.0	0.0	-	5.3	0.0	-	-	0.0	-	-	-
97.0 100.0	-	-	-	-	4.7	-	-	-	5.8	-	-	-

Eustomias spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0 130.0	-	-	-	-	5.4	-	0.0	-	0.0	-	-	-

Photonectes spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 150.0	-	-	-	-	0.0	-	5.3	-	0.0	-	-	-
90.0 190.0	-	-	-	-	0.0	-	5.7	-	-	-	-	-
90.0 200.0	-	-	-	-	0.0	-	9.9	-	-	-	-	-
93.0 150.0	-	-	-	-	5.3	-	6.0	-	0.0	-	-	-
93.0 170.0	-	-	-	-	0.0	-	5.2	-	-	-	-	-
93.0 200.0	-	-	-	-	5.0	-	0.0	-	-	-	-	-

Tactostoma macropus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0 60.0	-	0.0	-	0.0	0.0	6.1	-	11.1	0.0	-	-	-
73.0 80.0	-	0.0	-	0.0	-	6.1	-	0.0	0.0	-	-	-
73.0 90.0	-	0.0	-	0.0	-	5.7	-	0.0	0.0	-	-	-
83.0 90.0	-	0.0	-	0.0	-	0.0	-	4.6	0.0	-	-	-
87.0 60.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	10.8	-	-	-
93.0 160.0	-	-	-	-	15.4	-	0.0	-	0.0	-	-	-

Stomias atriventer

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0 70.0	-	12.2	-	0.0	-	0.0	-	0.0	0.0	-	-	-
63.0 80.0	-	0.0	-	-	-	0.0	-	10.3	-	-	-	-
67.0 70.0	-	0.0	-	0.0	-	0.0	-	11.5	0.0	-	-	-
67.0 90.0	-	0.0	-	0.0	-	0.0	-	0.0	33.2	-	-	-
70.0 70.0	-	0.0	-	0.0	0.0	5.7	-	0.0	0.0	-	-	-
70.0 80.0	-	0.0	-	0.0	-	16.2	-	6.0	0.0	-	-	-
70.0 90.0	-	0.0	-	0.0	-	5.8	-	0.0	5.3	-	-	-

TABLE 4. (cont.)

STATION	<i>Stomias atriventer</i> (cont.)											
	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0	70.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.0	45.0	11.2	5.4	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.0	55.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.0	70.0	0.0	0.0	24.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	33.0	0.0	0.0	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	53.0	0.0	0.0	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	60.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0
90.0	80.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0
90.0	100.0	-	-	0.0	0.0	-	0.0	0.0	5.3	0.0	0.0	0.0
90.0	120.0	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0
93.0	55.0	0.0	0.0	29.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	60.0	0.0	0.0	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	70.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	80.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	45.0	9.9	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	50.0	0.0	0.0	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	55.0	0.0	0.0	21.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	60.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	70.0	-	-	5.5	0.0	0.0	14.7	0.0	0.0	0.0	0.0	0.0
97.0	80.0	-	-	5.8	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0
97.0	90.0	-	-	0.0	0.0	0.0	15.8	0.0	0.0	0.0	0.0	0.0
100.0	35.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	40.0	10.3	0.0	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0
100.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	50.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	60.0	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	0.0	0.0
100.0	70.0	0.0	18.3	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
100.0	90.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0
100.0	100.0	-	-	-	-	-	4.5	0.0	0.0	0.0	0.0	0.0
103.0	40.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	0.0	0.0
103.0	50.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	60.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	70.0	0.0	0.0	5.1	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
103.0	80.0	0.0	0.0	15.2	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0
107.0	45.0	0.0	14.3	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	50.0	0.0	14.0	0.0	0.0	0.0	16.8	0.0	0.0	0.0	0.0	0.0
107.0	60.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	35.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	45.0	0.0	9.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0
110.0	50.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	60.0	10.6	11.4	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	70.0	-	5.3	0.0	-	-	-	-	-	-	-	-
110.0	80.0	-	10.0	15.5	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Stomias atriventer (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	35.0	0.0	0.0	-	11.4	-	-	-	0.0	-	-	-
113.0	40.0	9.5	0.0	-	0.0	-	-	0.0	5.7	-	-	-
113.0	50.0	0.0	0.0	-	12.1	-	0.0	0.0	12.3	-	-	-
113.0	80.0	0.0	5.4	-	-	-	0.0	12.9	0.0	-	-	-
117.0	45.0	0.0	5.7	-	-	-	-	0.0	0.0	-	-	-
117.0	60.0	4.5	0.0	-	-	-	-	0.0	5.7	-	-	-
117.0	70.0	4.4	5.1	-	-	-	-	0.0	0.0	-	-	-
117.0	80.0	4.4	5.8	-	-	-	-	5.7	0.0	-	-	-
120.0	45.0	5.3	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	50.0	26.0	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	70.0	5.0	-	0.0	-	-	-	9.8	6.1	-	-	-
120.0	80.0	10.4	-	4.7	-	-	-	0.0	0.0	-	-	-
123.0	36.0	0.0	-	0.0	-	-	-	4.7	0.0	-	-	-
123.0	45.0	14.4	-	0.0	-	-	-	-	0.0	-	-	-
123.0	50.0	4.8	-	4.9	-	-	-	0.0	6.2	-	-	-
127.0	45.0	0.0	-	4.9	-	-	-	6.8	0.0	-	-	-
127.0	50.0	0.0	-	4.9	-	-	-	0.0	0.0	-	-	-
130.0	35.0	0.0	-	5.3	-	-	-	0.0	0.0	-	-	-
130.0	40.0	0.0	-	0.0	-	-	-	0.0	6.4	-	-	-
130.0	50.0	0.0	-	5.5	-	-	-	0.0	6.0	-	-	-
130.0	60.0	9.2	-	5.1	-	-	-	0.0	0.0	-	-	-
133.0	35.0	10.6	-	9.4	-	-	-	5.9	0.0	-	-	-
133.0	50.0	0.0	-	0.0	-	-	-	0.0	6.0	-	-	-
133.0	60.0	16.0	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0	40.0	9.9	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0	60.0	5.6	-	0.0	-	-	-	5.9	-	-	-	-

Paralepididae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
77.0	65.0	0.0	-	11.0	0.0	-	-	0.0	0.0	-	-	-
83.0	90.0	0.0	-	0.0	-	0.0	-	0.0	5.8	-	-	-
90.0	90.0	0.0	0.0	-	0.0	0.0	32.4	-	0.0	-	-	-
90.0	100.0	0.0	0.0	-	0.0	-	21.5	-	0.0	-	-	-
90.0	110.0	-	-	-	0.0	-	21.9	-	0.0	-	-	-
90.0	120.0	-	-	-	0.0	-	21.1	-	0.0	-	-	-
90.0	140.0	-	-	-	5.2	-	0.0	-	0.0	-	-	-
90.0	160.0	-	-	-	5.3	-	0.0	-	0.0	-	-	-
93.0	80.0	4.6	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
93.0	130.0	-	-	-	0.0	-	0.0	-	11.1	-	-	-
93.0	200.0	-	-	-	5.0	-	0.0	-	-	-	-	-
97.0	45.0	0.0	6.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	70.0	0.0	0.0	-	0.0	-	5.7	-	0.0	-	-	-
110.0	70.0	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Paralepididae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	60.0	0.0	5.3	-	-	-	0.0	0.0	0.0	-	-	-
113.0	70.0	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-

Lestidiops ringens

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	70.0	6.1	-	0.0	-	0.0	-	0.0	0.0	-	-	-
60.0	80.0	5.7	-	-	-	0.0	-	0.0	0.0	-	-	-
63.0	70.0	12.2	-	0.0	-	0.0	-	0.0	0.0	-	-	-
67.0	60.0	0.0	-	14.7	0.0	0.0	-	0.0	0.0	-	-	-
70.0	51.0	0.0	-	0.0	0.0	0.0	-	10.5	0.0	-	-	-
70.0	80.0	0.0	-	4.3	-	0.0	-	0.0	0.0	-	-	-
70.0	90.0	0.0	-	0.0	-	5.8	-	0.0	0.0	-	-	-
73.0	65.0	0.0	-	0.0	10.7	-	-	0.0	0.0	-	-	-
73.0	80.0	0.0	-	0.0	-	6.1	-	0.0	0.0	-	-	-
77.0	55.0	0.0	-	0.0	10.5	0.0	-	0.0	0.0	-	-	-
83.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	80.0	0.0	-	0.0	0.0	0.0	-	4.9	0.0	-	-	-
83.0	90.0	5.3	-	0.0	-	0.0	-	0.0	5.8	-	-	-
87.0	55.0	10.2	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	-	0.0	0.0	-	0.0	21.6	-	-	-
87.0	80.0	0.0	0.0	-	0.0	0.0	-	0.0	11.1	-	-	-
90.0	33.0	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	37.0	0.0	0.0	-	0.0	0.0	-	10.0	0.0	-	-	-
90.0	45.0	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	53.0	0.0	6.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	60.0	0.0	12.3	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	80.0	0.0	0.0	-	0.0	0.0	0.0	-	5.4	-	-	-
90.0	90.0	15.3	0.0	-	0.0	0.0	0.0	-	5.5	-	-	-
90.0	100.0	0.0	0.0	-	0.0	0.0	5.4	-	5.2	-	-	-
90.0	110.0	-	-	-	0.0	-	0.0	-	52.5	-	-	-
90.0	120.0	-	-	-	0.0	-	0.0	-	26.6	-	-	-
90.0	130.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0	150.0	4.9	0.0	10.9	-	0.0	0.0	-	0.0	-	-	-
93.0	55.0	0.0	0.0	5.2	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	5.4	0.0	-	5.3	0.0	-	0.0	-	-	-
93.0	70.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	80.0	0.0	0.0	0.0	4.7	0.0	0.0	-	0.0	-	-	-
93.0	90.0	0.0	6.3	-	0.0	0.0	0.0	-	0.0	-	-	-
93.0	120.0	-	-	-	0.0	0.0	0.0	-	53.3	-	-	-
93.0	150.0	-	-	-	5.3	0.0	0.0	-	0.0	-	-	-
97.0	32.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
97.0	50.0	0.0	11.8	-	0.0	0.0	0.0	-	0.0	-	-	-
97.0	60.0	0.0	12.1	-	0.0	0.0	0.0	-	0.0	-	-	-
97.0	70.0	0.0	0.0	-	0.0	0.0	4.5	-	0.0	-	-	-

TABLE 4. (cont.)

Lestidiops ringens (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	80.0	0.0	0.0	-	0.0	10.0	-	-	0.0	-	-	-
100.0	50.0	0.0	4.9	-	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	0.0	5.7	-	5.7	-	0.0	-	0.0	-	-	-
100.0	70.0	0.0	0.0	-	-	-	0.0	-	12.1	-	-	-
100.0	80.0	0.0	0.0	-	0.0	-	5.2	-	0.0	-	-	-
103.0	45.0	0.0	0.0	-	36.1	-	0.0	-	0.0	-	-	-
103.0	50.0	0.0	5.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	70.0	0.0	5.1	-	0.0	-	8.3	-	0.0	-	-	-
107.0	45.0	4.8	0.0	-	0.0	-	4.7	-	0.0	-	-	-
107.0	60.0	0.0	0.0	-	-	-	3.0	-	0.0	-	-	-
107.0	80.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	40.0	5.7	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	50.0	0.0	0.0	-	0.0	-	0.0	9.8	0.0	-	-	-
110.0	60.0	5.3	5.2	-	0.0	-	0.0	-	0.0	-	-	-
110.0	70.0	0.0	0.0	-	-	-	0.0	-	5.9	-	-	-
113.0	35.0	0.0	5.1	-	0.0	-	-	0.0	0.0	-	-	-
113.0	40.0	0.0	5.3	-	0.0	-	-	0.0	0.0	-	-	-
117.0	70.0	0.0	10.2	-	-	-	-	0.0	0.0	-	-	-

Notolepis risso

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	70.0	0.0	-	0.0	-	10.5	-	0.0	0.0	-	-	-
67.0	80.0	0.0	-	8.3	-	0.0	-	0.0	0.0	-	-	-
73.0	60.0	0.0	-	0.0	0.0	6.1	-	0.0	0.0	-	-	-
77.0	65.0	0.0	-	0.0	0.0	-	0.0	5.5	0.0	-	-	-
90.0	140.0	-	-	0.0	0.0	-	0.0	-	5.3	-	-	-
90.0	150.0	-	-	-	0.0	-	5.3	-	0.0	-	-	-
90.0	160.0	-	-	-	0.0	-	5.1	-	0.0	-	-	-
90.0	170.0	-	-	-	5.3	-	0.0	-	0.0	-	-	-
90.0	190.0	-	-	-	0.0	-	11.3	-	-	-	-	-
93.0	60.0	0.0	0.0	0.0	-	0.0	5.3	-	0.0	-	-	-
93.0	130.0	-	-	-	0.0	-	5.3	-	0.0	-	-	-
93.0	140.0	-	-	-	5.4	-	0.0	-	0.0	-	-	-
93.0	150.0	-	-	-	5.3	-	0.0	-	0.0	-	-	-
93.0	160.0	-	-	-	5.1	-	0.0	-	0.0	-	-	-
93.0	180.0	-	-	-	0.0	-	5.2	-	0.0	-	-	-
93.0	190.0	-	-	-	5.3	-	0.0	-	0.0	-	-	-
100.0	70.0	5.1	0.0	-	-	-	0.0	-	0.0	-	-	-

Stemonosudis macrura

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	130.0	-	-	-	0.0	-	5.3	-	0.0	-	-	-

TABLE 4. (cont.)

Sudis atrox

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 140.0	-	-	-	-	5.2	-	0.0	-	0.0	-	-	-
90.0 180.0	-	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0 180.0	-	-	-	-	0.0	-	0.0	-	5.6	-	-	-
93.0 190.0	-	-	-	-	0.0	-	10.3	-	-	-	-	-
93.0 200.0	-	-	-	-	0.0	-	5.2	-	-	-	-	-

Aulopus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
137.0 40.0	-	9.9	-	0.0	-	-	-	0.0	0.0	-	-	-

Scopelosaurus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0 80.0	-	0.0	-	-	-	0.0	-	5.3	0.0	-	-	-
63.0 90.0	-	-	-	-	-	0.0	-	5.4	0.0	-	-	-
70.0 80.0	-	0.0	-	4.3	-	5.4	-	0.0	0.0	-	-	-
73.0 60.0	-	0.0	-	0.0	0.0	12.3	-	22.2	29.0	-	-	-
73.0 70.0	-	0.0	-	0.0	10.4	11.6	-	0.0	5.6	-	-	-
73.0 80.0	-	0.0	-	0.0	0.0	6.1	-	5.1	0.0	-	-	-
77.0 70.0	-	0.0	-	0.0	0.0	0.0	-	0.0	10.9	-	-	-
80.0 90.0	-	0.0	-	0.0	-	4.9	-	0.0	0.0	-	-	-
90.0 80.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	5.4	-	-	-
90.0 100.0	-	0.0	0.0	-	0.0	-	5.4	-	0.0	-	-	-
90.0 160.0	-	0.0	-	-	5.3	-	5.1	-	0.0	-	-	-
93.0 90.0	-	0.0	0.0	-	0.0	0.0	0.0	-	5.4	-	-	-
93.0 100.0	-	0.0	0.0	-	0.0	-	10.4	-	0.0	-	-	-
93.0 120.0	-	-	-	-	5.3	-	0.0	-	0.0	-	-	-
93.0 160.0	-	-	-	-	5.1	-	0.0	-	0.0	-	-	-
100.0 100.0	-	-	-	-	0.0	-	-	-	5.8	-	-	-

Scopelarchidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0 90.0	-	0.0	-	0.0	-	0.0	-	0.0	11.6	-	-	-
90.0 140.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
117.0 70.0	-	0.0	0.0	-	-	-	-	5.9	0.0	-	-	-

Benthalbella spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 160.0	-	-	-	-	0.0	-	5.1	-	0.0	-	-	-

TABLE 4. (cont.)

Benthalbella spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	100.0	-	-	-	4.7	-	-	-	0.0	-	-	-
127.0	45.0	0.0	-	0.0	-	-	-	6.8	0.0	-	-	-

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	70.0	0.0	-	0.0	10.8	0.0	-	0.0	0.0	-	-	-
87.0	35.0	0.0	-	0.0	0.0	0.0	-	12.1	0.0	-	-	-
90.0	70.0	0.0	5.9	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	100.0	0.0	0.0	-	5.0	-	0.0	-	0.0	-	-	-
90.0	180.0	-	-	-	5.5	-	0.0	-	0.0	-	-	-
93.0	50.0	0.0	6.1	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	120.0	-	-	-	5.3	-	0.0	-	-	-	-	-
93.0	170.0	-	-	-	5.3	-	0.0	-	0.0	-	-	-
97.0	32.0	0.0	0.0	-	0.0	-	5.6	-	0.0	-	-	-
97.0	45.0	0.0	0.0	-	9.2	-	0.0	-	0.0	-	-	-
97.0	60.0	0.0	6.0	-	0.0	-	0.0	-	0.0	-	-	-

Rosenblattichthys volucris

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	100.0	0.0	0.0	-	0.0	-	0.0	-	5.2	-	-	-
90.0	140.0	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0	150.0	-	-	-	5.2	-	0.0	-	0.0	-	-	-
93.0	90.0	0.0	0.0	-	0.0	0.0	0.0	-	5.4	-	-	-
93.0	120.0	-	-	-	0.0	-	0.0	-	5.3	-	-	-
93.0	140.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
97.0	35.0	0.0	0.0	-	0.0	-	4.6	-	0.0	-	-	-
100.0	45.0	0.0	5.3	-	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	21.2	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	80.0	0.0	0.0	-	0.0	-	5.2	-	0.0	-	-	-
100.0	90.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	100.0	4.5	0.0	-	4.5	-	0.0	-	0.0	-	-	-
100.0	150.0	-	0.0	-	-	-	0.0	-	0.0	-	-	-
103.0	50.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
103.0	70.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
103.0	80.0	2.8	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	45.0	0.0	5.5	-	0.0	-	0.0	-	0.0	-	-	-
110.0	70.0	0.0	0.0	-	-	-	0.0	-	6.0	-	-	-
110.0	50.0	0.0	0.0	-	10.7	-	0.0	0.0	0.0	-	-	-
113.0	60.0	0.0	5.3	-	-	-	0.0	-	0.0	-	-	-
113.0	90.0	-	-	-	-	-	0.0	-	0.0	-	-	-
120.0	80.0	-	-	0.0	-	-	0.0	-	5.9	-	-	-
137.0	60.0	5.6	-	0.0	-	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

<i>Scopelarchoides nicholsi</i>												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	80.0	0.0	0.0	-	4.7	0.0	0.0	-	0.0	-	-	-
<i>Scopelarchus</i> spp.												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	80.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	130.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
90.0	150.0	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0	160.0	-	-	-	0.0	-	0.0	-	36.1	-	-	-
90.0	190.0	-	-	-	0.0	-	11.3	-	-	-	-	-
93.0	60.0	0.0	0.0	0.0	0.0	5.3	0.0	-	0.0	-	-	-
93.0	100.0	0.0	0.0	-	0.0	-	5.2	-	0.0	-	-	-
93.0	140.0	-	-	-	5.4	-	4.7	-	5.4	-	-	-
93.0	150.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0	160.0	-	-	-	5.1	-	0.0	-	0.0	-	-	-
93.0	170.0	-	-	-	0.0	-	10.5	-	0.0	-	-	-
93.0	190.0	-	-	-	5.3	-	0.0	-	-	-	-	-
97.0	80.0	0.0	0.0	-	4.8	0.0	-	-	0.0	-	-	-
100.0	40.0	4.8	0.0	-	0.0	-	5.0	-	0.0	-	-	-
100.0	80.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	60.0	0.0	10.8	-	-	-	0.0	-	0.0	-	-	-
103.0	70.0	0.0	5.1	-	-	-	0.0	-	0.0	-	-	-
103.0	80.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	45.0	0.0	0.0	-	0.0	-	-	-	0.0	-	-	-
107.0	50.0	0.0	10.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	70.0	6.2	16.4	-	-	-	0.0	-	0.0	-	-	-
107.0	80.0	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-
110.0	70.0	0.0	0.0	-	-	-	-	-	5.9	-	-	-
113.0	40.0	0.0	5.3	-	0.0	-	-	0.0	0.0	-	-	-
117.0	80.0	8.8	0.0	-	-	-	-	0.0	0.0	-	-	-
118.0	39.0	0.0	0.0	-	-	-	-	9.8	0.0	-	-	-
120.0	50.0	0.0	-	0.0	-	-	-	0.0	6.4	-	-	-
120.0	70.0	0.0	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	80.0	0.0	-	9.5	-	-	-	0.0	0.0	-	-	-
133.0	40.0	0.0	-	4.8	-	-	-	0.0	0.0	-	-	-
137.0	50.0	0.0	-	5.1	-	-	-	0.0	0.0	-	-	-
Myctophidae												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	80.0	0.0	-	-	-	0.0	-	21.4	0.0	-	-	-
63.0	70.0	0.0	-	0.0	-	0.0	-	11.3	0.0	-	-	-
63.0	90.0	-	-	-	-	9.9	-	0.0	0.0	-	-	-
67.0	70.0	0.0	-	0.0	-	21.2	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Myctophidae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
67.0	90.0	0.0		5.2		0.0		0.0	0.0			
70.0	53.0	0.0		11.0	0.0	0.0		0.0	0.0			
70.0	90.0	10.4		0.0	0.0	5.8		15.3	0.0			
73.0	53.0	0.0		0.0	0.0	0.0		12.4	0.0			
73.0	65.0	0.0		0.0	0.0	12.3		0.0	0.0			
73.0	60.0	5.5		0.0	0.0			51.3	0.0			
73.0	70.0	0.0		8.1	0.0	0.0		29.8	0.0			
77.0	51.0	0.0		0.0	20.8	0.0		0.0	0.0			
77.0	60.0	0.0		0.0	0.0	13.4		0.0	0.0			
77.0	80.0	0.0		11.1	0.0	5.9		0.0	0.0			
77.0	90.0	0.0		11.0		0.0		0.0	0.0			
80.0	70.0	0.0		0.0	32.3	12.5		0.0	0.0			
80.0	90.0	0.0		0.0		4.9		0.0	0.0			
80.0	51.0	0.0		0.0	0.0			0.0	20.6			
83.0	60.0	0.0		0.0	0.0	0.0		11.2	0.0			
83.0	70.0	0.0		0.0	10.3	0.0		0.0	10.5			
83.0	90.0	0.0		0.0		4.9		0.0	17.3			
87.0	40.0	0.0		0.0	0.0	0.0		0.0	0.0			
87.0	45.0	0.0		5.8	0.0	0.0		0.0	0.0			
87.0	55.0	0.0		5.9	0.0	0.0		0.0	0.0			
87.0	60.0	0.0	6.0		0.0	0.0		10.7	0.0			
87.0	70.0	0.0	0.0		0.0	0.0		0.0	5.4			
87.0	90.0	0.0	0.0		0.0	0.0		13.2	0.0			
87.0	29.0	5.1	0.0		9.7	0.0		0.0	0.0			
90.0	45.0	0.0	11.2		10.8	0.0	0.0		0.0			
90.0	53.0	0.0	0.0		16.0	0.0	0.0		0.0			
90.0	70.0	0.0	0.0		0.0	0.0	7.8		0.0			
90.0	80.0	0.0	0.0		5.2	0.0	0.0		0.0			
90.0	90.0	5.6	0.0		0.0	0.0	0.0		0.0			
90.0	100.0	0.0	5.5		15.1	0.0	5.4		0.0			
90.0	110.0				10.4	0.0	0.0		5.3			
90.0	120.0				0.0	0.0	0.0		26.6			
90.0	130.0				0.0	0.0	5.6		0.0			
90.0	140.0				0.0	0.0	5.4		16.0			
90.0	150.0				0.0	0.0	16.0		0.0			
90.0	160.0				0.0	0.0	5.1		0.0			
90.0	180.0				5.4	0.0	0.0		5.4			
90.0	190.0				5.2	0.0	17.0					
90.0	200.0				5.2	0.0	5.0					
93.0	45.0	0.0	0.0	0.0		0.0	0.0		0.0			
93.0	90.0	0.0	6.3		0.0	0.0	0.0		0.0			
93.0	100.0	0.0	5.5		5.6	0.0	5.2		0.0			
93.0	110.0				5.2	0.0	0.0		21.8			
93.0	120.0				15.9	5.2	5.2		10.7			
93.0	130.0				0.0	0.0	5.3		0.0			
93.0	140.0				5.4	0.0	9.3		5.4			

TABLE 4. (cont.)

STATION	Myctophidae (cont.)											
	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	150.0	-	-	-	0.0	-	4.9	-	0.0	-	-	-
93.0	160.0	-	-	-	5.1	-	5.0	-	15.8	-	-	-
93.0	170.0	-	-	-	0.0	-	10.5	-	-	-	-	-
93.0	180.0	-	-	-	0.0	-	0.0	-	27.9	-	-	-
93.0	190.0	-	-	-	15.8	-	0.0	-	-	-	-	-
93.0	200.0	-	-	-	5.0	-	5.2	-	-	-	-	-
97.0	45.0	0.0	0.0	0.0	0.0	-	6.2	-	0.0	-	-	-
97.0	55.0	0.0	0.0	0.0	5.3	-	0.0	-	24.7	-	-	-
97.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-
100.0	30.0	0.0	0.0	0.0	0.0	-	5.9	-	0.0	-	-	-
100.0	35.0	5.8	0.0	0.0	0.0	-	0.0	-	0.0	-	-	-
100.0	50.0	5.4	0.0	0.0	0.0	29.0	0.0	-	0.0	-	-	-
100.0	60.0	0.0	0.0	0.0	0.0	5.5	0.0	-	0.0	-	-	-
100.0	70.0	5.1	0.0	0.0	-	5.1	0.0	-	0.0	-	-	-
100.0	80.0	2.9	0.0	16.8	0.0	5.2	0.0	-	0.0	-	-	-
100.0	90.0	4.5	0.0	0.0	0.0	15.2	0.0	-	27.0	-	-	-
100.0	100.0	-	-	-	27.2	-	0.0	-	0.0	-	-	-
103.0	35.0	-	-	-	0.0	-	0.0	-	0.0	-	-	-
103.0	45.0	-	-	-	5.1	-	0.0	-	0.0	-	-	-
103.0	60.0	4.7	0.0	0.0	0.0	-	0.0	-	0.0	-	-	-
103.0	70.0	0.0	0.0	0.0	-	2.7	0.0	-	0.0	-	-	-
103.0	80.0	0.0	14.2	10.2	-	0.0	0.0	-	0.0	-	-	-
103.0	90.0	-	-	-	-	0.0	0.0	-	6.3	-	-	-
107.0	35.0	0.0	0.0	0.0	11.0	-	0.0	0.0	0.0	-	-	-
107.0	50.0	0.0	0.0	0.0	11.2	-	0.0	0.0	0.0	-	-	-
107.0	60.0	0.0	0.0	0.0	-	-	2.6	-	0.0	-	-	-
107.0	70.0	0.0	0.0	0.0	-	-	0.0	-	6.0	-	-	-
107.0	80.0	5.3	0.0	0.0	-	-	2.5	-	0.0	-	-	-
110.0	35.0	5.8	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	-
110.0	40.0	0.0	0.0	0.0	0.0	-	0.0	10.5	0.0	-	-	-
110.0	45.0	0.0	0.0	5.1	0.0	-	0.0	-	86.3	-	-	-
110.0	60.0	0.0	0.0	0.0	0.0	-	0.0	-	19.3	-	-	-
110.0	70.0	0.0	0.0	5.5	-	-	0.0	-	0.0	-	-	-
110.0	80.0	5.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-	-
113.0	45.0	0.0	0.0	0.0	0.0	-	0.0	0.0	5.9	-	-	-
113.0	50.0	0.0	0.0	0.0	0.0	-	0.0	32.9	0.0	-	-	-
113.0	70.0	4.8	0.0	0.0	-	-	0.0	-	0.0	-	-	-
113.0	80.0	0.0	0.0	10.7	-	-	0.0	-	0.0	-	-	-
113.0	90.0	-	-	-	-	-	20.4	-	0.0	-	-	-
117.0	45.0	0.0	0.0	0.0	-	-	0.0	0.0	21.4	-	-	-
117.0	70.0	3.9	0.0	0.0	-	-	0.0	5.7	0.0	-	-	-
117.0	80.0	11.7	0.0	0.0	-	-	0.0	0.0	0.0	-	-	-
120.0	50.0	10.4	0.0	-	-	-	22.5	0.0	6.1	-	-	-
120.0	60.0	0.0	0.0	-	-	-	53.4	0.0	0.0	-	-	-
120.0	80.0	0.0	0.0	-	-	-	0.0	0.0	0.0	-	-	-
123.0	42.0	4.6	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Myctophidae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
123.0	50.0	0.0	-	0.0	-	-	-	11.1	12.4	-	-	-
123.0	60.0	5.2	-	0.0	-	-	-	0.0	13.0	-	-	-
127.0	34.0	4.2	-	0.0	-	-	-	0.0	0.0	-	-	-
127.0	40.0	-	-	4.8	-	-	-	0.0	0.0	-	-	-
127.0	45.0	4.7	-	0.0	-	-	-	27.0	0.0	-	-	-
127.0	50.0	22.9	-	14.8	-	-	-	0.0	0.0	-	-	-
127.0	60.0	4.7	-	-	-	-	-	5.9	0.0	-	-	-
130.0	40.0	0.0	-	10.7	-	-	-	-	0.0	-	-	-
130.0	50.0	0.0	-	0.0	-	-	-	5.8	0.0	-	-	-
130.0	60.0	4.6	-	0.0	-	-	-	0.0	0.0	-	-	-
133.0	50.0	0.0	-	0.0	-	-	-	5.9	6.0	-	-	-
137.0	35.0	10.7	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0	40.0	44.5	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0	50.0	0.0	-	0.0	-	-	-	11.2	12.9	-	-	-
137.0	60.0	5.6	-	5.2	-	-	-	0.0	-	-	-	-

Bolinichthys spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	110.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0	180.0	-	-	-	0.0	-	10.3	-	0.0	-	-	-

Ceratoscopelus townsendi

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	80.0	0.0	-	-	-	0.0	-	5.3	0.0	-	-	-
60.0	90.0	-	-	-	-	0.0	-	9.2	39.8	-	-	-
63.0	70.0	0.0	-	0.0	-	0.0	-	0.0	11.3	-	-	-
63.0	90.0	-	-	-	-	0.0	-	0.0	16.8	-	-	-
67.0	90.0	0.0	-	0.0	-	5.9	-	0.0	27.7	-	-	-
70.0	70.0	0.0	-	0.0	-	11.3	-	0.0	11.2	-	-	-
70.0	80.0	0.0	-	0.0	-	32.3	-	11.3	0.0	-	-	-
70.0	90.0	0.0	-	0.0	-	11.5	-	71.4	31.8	-	-	-
73.0	60.0	0.0	-	0.0	-	6.1	-	0.0	0.0	-	-	-
73.0	65.0	0.0	-	0.0	-	-	-	20.5	10.4	-	-	-
73.0	70.0	0.0	-	0.0	-	0.0	-	24.8	0.0	-	-	-
73.0	80.0	0.0	-	0.0	-	24.2	-	5.1	0.0	-	-	-
73.0	90.0	0.0	-	0.0	-	5.7	-	39.1	11.0	-	-	-
77.0	65.0	0.0	-	0.0	-	-	-	5.5	0.0	-	-	-
77.0	70.0	0.0	-	0.0	-	0.0	-	21.1	0.0	-	-	-
77.0	90.0	5.4	-	0.0	-	18.1	-	21.9	0.0	-	-	-
83.0	42.0	0.0	-	0.0	-	9.3	-	0.0	0.0	-	-	-
83.0	90.0	0.0	-	0.0	-	4.9	-	4.6	46.2	-	-	-
87.0	36.0	0.0	-	5.6	-	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.3	-	-	-
87.0	70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	64.7	-	-	-
87.0	80.0	0.0	0.0	0.0	0.0	0.0	-	0.0	55.5	-	-	-
87.0	90.0	0.0	6.0	0.0	20.5	0.0	-	8.8	11.0	-	-	-
90.0	70.0	0.0	0.0	0.0	5.2	0.0	0.0	-	0.0	-	-	-
90.0	80.0	0.0	0.0	0.0	0.0	0.0	15.8	-	10.7	-	-	-
90.0	90.0	0.0	0.0	0.0	0.0	0.0	21.6	-	22.0	-	-	-
90.0	100.0	5.5	5.5	65.3	0.0	-	32.8	-	41.2	-	-	-
90.0	110.0	-	-	0.0	-	-	0.0	-	154.6	-	-	-
90.0	120.0	-	-	25.5	-	-	0.0	-	206.0	-	-	-
90.0	130.0	-	-	5.0	-	-	0.0	-	32.0	-	-	-
90.0	140.0	-	-	57.5	-	-	204.8	-	63.1	-	-	-
90.0	150.0	-	-	21.2	-	-	178.5	-	185.8	-	-	-
90.0	160.0	-	-	90.9	-	-	143.1	-	-	-	-	-
90.0	170.0	-	-	72.0	-	-	35.2	-	211.0	-	-	-
90.0	180.0	-	-	48.3	-	-	130.2	-	-	-	-	-
90.0	190.0	-	-	61.8	-	-	84.3	-	-	-	-	-
90.0	200.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	5.3	0.0	0.0	-	0.0	-	-	-
93.0	70.0	0.0	0.0	10.1	0.0	0.0	0.0	-	0.0	-	-	-
93.0	80.0	0.0	5.8	0.0	15.5	35.5	35.5	-	23.8	-	-	-
93.0	90.0	0.0	0.0	0.0	19.7	15.4	15.4	-	54.3	-	-	-
93.0	100.0	0.0	11.0	0.0	-	15.6	15.6	-	11.1	-	-	-
93.0	110.0	-	-	0.0	-	92.0	92.0	-	146.9	-	-	-
93.0	120.0	-	-	84.8	-	20.8	20.8	-	37.3	-	-	-
93.0	130.0	-	-	98.1	-	105.6	105.6	-	88.5	-	-	-
93.0	140.0	-	-	80.8	-	56.0	56.0	-	59.2	-	-	-
93.0	150.0	-	-	105.4	-	69.2	69.2	-	65.3	-	-	-
93.0	160.0	-	-	97.3	-	150.0	150.0	-	63.2	-	-	-
93.0	170.0	-	-	26.3	-	15.7	15.7	-	-	-	-	-
93.0	180.0	-	-	59.2	-	165.1	165.1	-	11.2	-	-	-
93.0	190.0	-	-	73.9	-	36.0	36.0	-	-	-	-	-
93.0	200.0	-	-	39.7	-	88.6	88.6	-	-	-	-	-
97.0	45.0	0.0	0.0	0.0	0.0	6.2	6.2	-	0.0	-	-	-
97.0	50.0	0.0	5.9	0.0	0.0	0.0	0.0	-	0.0	-	-	-
97.0	55.0	0.0	0.0	0.0	5.3	0.0	0.0	-	0.0	-	-	-
97.0	70.0	0.0	0.0	0.0	9.8	0.0	0.0	-	0.0	-	-	-
97.0	80.0	0.0	0.0	29.0	40.1	0.0	0.0	-	6.2	-	-	-
97.0	90.0	0.0	0.0	10.5	5.0	-	-	-	93.4	-	-	-
97.0	100.0	0.0	0.0	60.6	-	-	-	-	133.2	-	-	-
100.0	60.0	0.0	5.7	0.0	0.0	0.0	0.0	-	6.2	-	-	-
100.0	70.0	0.0	0.0	0.0	5.0	0.0	25.5	-	42.4	-	-	-
100.0	80.0	17.5	0.0	10.3	0.0	36.3	36.3	-	0.0	-	-	-
100.0	90.0	10.4	5.8	27.2	10.3	76.2	76.2	-	27.0	-	-	-
100.0	100.0	12.5	0.0	27.2	27.2	-	-	-	219.6	-	-	-
103.0	45.0	-	-	-	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
103.0	60.0	4.7	10.8	-	-	-	15.6	-	0.0	-	-	-
103.0	70.0	0.0	0.0	-	-	-	11.2	-	0.0	-	-	-
103.0	80.0	14.2	10.2	-	-	-	10.2	-	49.2	-	-	-
103.0	90.0	-	-	-	-	-	44.2	-	25.3	-	-	-
107.0	60.0	15.6	0.0	-	-	-	5.1	-	0.0	-	-	-
107.0	70.0	0.0	16.4	-	-	-	5.3	-	30.2	-	-	-
107.0	80.0	5.3	10.7	-	-	-	28.4	-	5.8	-	-	-
107.0	90.0	-	-	-	-	-	10.8	-	11.4	-	-	-
110.0	45.0	0.0	0.0	-	0.0	-	0.0	-	6.6	-	-	-
110.0	60.0	0.0	0.0	-	-	-	0.0	-	9.6	-	-	-
110.0	70.0	0.0	0.0	-	-	-	0.0	-	5.9	-	-	-
110.0	80.0	0.0	25.9	-	-	-	0.0	-	11.3	-	-	-
110.0	90.0	-	-	-	-	-	-	-	5.8	-	-	-
113.0	40.0	9.5	0.0	-	0.0	-	-	0.0	0.0	-	-	-
113.0	60.0	4.4	0.0	-	-	-	5.4	0.0	0.0	-	-	-
113.0	70.0	4.8	10.8	-	-	-	0.0	-	0.0	-	-	-
113.0	80.0	3.9	16.1	-	-	-	10.3	-	0.0	-	-	-
113.0	90.0	-	-	-	-	-	-	0.0	11.8	-	-	-
117.0	45.0	0.0	0.0	-	-	-	-	6.1	0.0	-	-	-
117.0	70.0	3.9	5.1	-	-	-	-	0.0	23.6	-	-	-
117.0	80.0	4.4	5.8	-	-	-	-	0.0	12.6	-	-	-
120.0	50.0	5.2	-	0.0	-	-	-	9.8	6.1	-	-	-
120.0	60.0	0.0	-	0.0	-	-	-	5.6	5.9	-	-	-
120.0	70.0	0.0	-	4.9	-	-	-	39.3	0.0	-	-	-
120.0	80.0	0.0	-	4.7	-	-	-	5.7	0.0	-	-	-
123.0	42.0	0.0	-	-	-	-	-	-	5.6	-	-	-
123.0	45.0	0.0	-	0.0	-	-	-	-	6.0	-	-	-
123.0	60.0	0.0	-	0.0	-	-	-	6.1	0.0	-	-	-
127.0	45.0	0.0	-	0.0	-	-	-	6.8	0.0	-	-	-
127.0	50.0	0.0	-	0.0	-	-	-	6.7	0.0	-	-	-
127.0	60.0	0.0	-	-	-	-	-	17.6	6.2	-	-	-
130.0	50.0	0.0	-	-	-	-	-	0.0	0.0	-	-	-
133.0	40.0	5.9	-	4.8	-	-	-	12.3	0.0	-	-	-
133.0	50.0	0.0	-	0.0	-	-	-	11.8	0.0	-	-	-
133.0	60.0	0.0	-	25.9	-	-	-	6.0	5.9	-	-	-
137.0	50.0	0.0	-	5.1	-	-	-	5.6	0.0	-	-	-

Diaphus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	0.0	-	0.0	0.0	0.0	-	0.0	13.0	-	-	-
60.0	60.0	0.0	-	0.0	0.0	0.0	-	32.4	0.0	-	-	-
60.0	65.0	0.0	-	-	-	-	-	10.9	10.7	-	-	-
60.0	70.0	0.0	-	0.0	-	0.0	-	79.1	11.6	-	-	-
60.0	80.0	0.0	-	-	-	0.0	-	5.3	0.0	-	-	-

TABLE 4. (cont.)

Diaphus spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	90.0	-	-	-	-	0.0	-	32.3	0.0	-	-	-
63.0	52.0	0.0	-	0.0	0.0	0.0	-	10.3	0.0	-	-	-
63.0	55.0	0.0	-	0.0	0.0	0.0	-	21.3	10.3	-	-	-
63.0	60.0	0.0	-	0.0	0.0	0.0	-	31.9	0.0	-	-	-
63.0	65.0	0.0	-	0.0	-	-	-	100.2	11.1	-	-	-
63.0	70.0	0.0	-	0.0	-	-	-	45.1	0.0	-	-	-
63.0	80.0	0.0	-	-	-	0.0	-	82.1	-	-	-	-
63.0	90.0	-	-	-	-	0.0	-	27.1	11.2	-	-	-
67.0	50.0	0.0	-	0.0	0.0	0.0	-	11.2	0.0	-	-	-
67.0	55.0	0.0	-	0.0	0.0	0.0	-	13.5	0.0	-	-	-
67.0	60.0	0.0	-	0.0	0.0	0.0	-	34.8	9.9	-	-	-
67.0	65.0	0.0	-	0.0	0.0	-	-	122.3	0.0	-	-	-
67.0	70.0	0.0	-	0.0	-	0.0	-	321.1	0.0	-	-	-
67.0	80.0	0.0	-	0.0	-	0.0	-	35.8	-	-	-	-
67.0	90.0	0.0	-	0.0	-	17.9	-	61.9	38.8	-	-	-
70.0	53.0	0.0	-	0.0	0.0	0.0	-	210.8	0.0	-	-	-
70.0	60.0	0.0	-	0.0	0.0	0.0	-	21.4	10.5	-	-	-
70.0	65.0	0.0	-	0.0	0.0	-	-	29.1	0.0	-	-	-
70.0	70.0	0.0	-	0.0	0.0	0.0	-	32.7	55.9	-	-	-
70.0	80.0	0.0	-	0.0	0.0	26.9	-	33.9	11.0	-	-	-
70.0	90.0	0.0	-	0.0	-	5.8	-	10.2	5.3	-	-	-
73.0	50.0	0.0	-	0.0	0.0	0.0	-	10.8	0.0	-	-	-
73.0	53.0	0.0	-	0.0	0.0	0.0	-	12.4	0.0	-	-	-
73.0	60.0	0.0	-	0.0	0.0	6.1	-	0.0	19.3	-	-	-
73.0	65.0	0.0	-	0.0	0.0	-	-	5.1	10.4	-	-	-
73.0	80.0	0.0	-	0.0	0.0	6.1	-	15.3	33.0	-	-	-
77.0	51.0	0.0	-	0.0	0.0	0.0	-	11.2	0.0	-	-	-
77.0	55.0	0.0	-	0.0	0.0	0.0	-	45.4	0.0	-	-	-
77.0	60.0	0.0	-	0.0	0.0	0.0	-	58.9	22.9	-	-	-
77.0	65.0	0.0	-	0.0	0.0	-	-	5.5	0.0	-	-	-
77.0	70.0	0.0	-	0.0	0.0	11.9	-	21.1	32.8	-	-	-
77.0	80.0	0.0	-	0.0	0.0	17.8	-	0.0	0.0	-	-	-
77.0	90.0	0.0	-	0.0	0.0	0.0	-	11.0	5.4	-	-	-
80.0	60.0	0.0	-	0.0	0.0	0.0	-	30.2	0.0	-	-	-
80.0	70.0	0.0	-	0.0	0.0	0.0	-	21.9	0.0	-	-	-
80.0	80.0	0.0	-	0.0	0.0	0.0	-	11.4	23.3	-	-	-
80.0	90.0	0.0	-	0.0	0.0	24.5	-	71.4	0.0	-	-	-
83.0	51.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
83.0	55.0	0.0	-	0.0	0.0	-	-	40.5	0.0	-	-	-
83.0	60.0	0.0	-	0.0	0.0	0.0	-	78.1	0.0	-	-	-
83.0	80.0	0.0	-	0.0	0.0	0.0	-	19.6	41.2	-	-	-
83.0	90.0	0.0	-	0.0	0.0	0.0	-	27.5	0.0	-	-	-
87.0	32.7	0.0	-	0.0	4.3	0.0	-	0.0	0.0	-	-	-
87.0	35.0	0.0	-	0.0	21.3	0.0	-	12.1	0.0	-	-	-
87.0	40.0	0.0	-	5.8	0.0	48.6	-	0.0	0.0	-	-	-
87.0	45.0	0.0	-	0.0	0.0	0.0	-	13.4	0.0	-	-	-

TABLE 4. (cont.)

Diaphus spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	22.8	0.0	0.0	0.0	0.0
87.0	55.0	0.0	0.0	0.0	0.0	12.4	0.0	19.1	0.0	0.0	0.0	0.0
87.0	60.0	0.0	0.0	0.0	0.0	10.6	0.0	117.7	10.8	0.0	0.0	0.0
87.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	5.4	0.0	0.0	0.0
87.0	80.0	0.0	0.0	0.0	0.0	14.9	0.0	0.0	5.6	0.0	0.0	0.0
87.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4	16.4	0.0	0.0	0.0
90.0	28.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	29.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	30.0	0.0	0.0	0.0	0.0	96.2	0.0	10.3	0.0	0.0	0.0	0.0
90.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0
90.0	45.0	0.0	0.0	0.0	0.0	23.2	10.9	22.4	0.0	0.0	0.0	0.0
90.0	53.0	0.0	0.0	0.0	0.0	0.0	24.5	0.0	0.0	0.0	0.0	0.0
90.0	60.0	0.0	0.0	0.0	0.0	0.0	5.4	11.5	0.0	0.0	0.0	0.0
90.0	70.0	0.0	0.0	0.0	0.0	0.0	39.2	5.7	5.7	0.0	0.0	0.0
90.0	80.0	0.0	0.0	0.0	0.0	0.0	5.3	5.4	5.4	0.0	0.0	0.0
90.0	80.0	0.0	0.0	0.0	0.0	0.0	16.4	0.0	0.0	0.0	0.0	0.0
90.0	110.0	0.0	0.0	0.0	0.0	0.0	5.3	21.3	0.0	0.0	0.0	0.0
90.0	120.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0
90.0	130.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0
90.0	150.0	0.0	0.0	0.0	0.0	0.0	10.1	10.5	10.5	0.0	0.0	0.0
90.0	180.0	0.0	0.0	0.0	0.0	0.0	5.7	21.6	21.6	0.0	0.0	0.0
90.0	190.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	30.0	0.0	0.0	0.0	0.0	12.4	0.0	0.0	0.0	0.0	0.0	0.0
93.0	35.0	0.0	0.0	0.0	0.0	0.0	10.1	0.0	0.0	0.0	0.0	0.0
93.0	40.0	0.0	0.0	0.0	0.0	0.0	22.2	0.0	0.0	0.0	0.0	0.0
93.0	45.0	0.0	0.0	0.0	0.0	0.0	10.1	0.0	0.0	0.0	0.0	0.0
93.0	60.0	0.0	0.0	0.0	0.0	5.3	5.3	0.0	0.0	0.0	0.0	0.0
93.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0
93.0	80.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	35.7	0.0	0.0	0.0
93.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0
93.0	110.0	0.0	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0	0.0	0.0
93.0	180.0	0.0	0.0	0.0	0.0	0.0	28.5	0.0	0.0	0.0	0.0	0.0
93.5	29.0	0.0	0.0	0.0	0.0	0.0	18.5	0.0	0.0	0.0	0.0	0.0
97.0	32.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0
97.0	35.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0
97.0	50.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0
97.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	60.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	23.8	0.0	0.0	0.0
100.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0
103.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	40.0	3.3	0.0	0.0	0.0	0.0	13.5	0.0	0.0	0.0	0.0	0.0
103.0	45.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0
103.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	0.0	0.0	0.0
103.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0
107.0	32.0	0.0	0.0	0.0	0.0	0.0	11.4	0.0	0.0	0.0	0.0	0.0
110.0	40.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 4. (cont.)

Lampadæna urophaos

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	120.0	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0	130.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
90.0	140.0	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0	180.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0	100.0	0.0	0.0	-	0.0	-	5.2	-	0.0	-	-	-
93.0	110.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0	130.0	-	-	-	0.0	-	0.0	-	5.5	-	-	-
97.0	100.0	-	-	-	0.0	-	-	-	11.6	-	-	-
100.0	100.0	-	-	-	0.0	-	-	-	28.9	-	-	-
107.0	70.0	0.0	0.0	-	0.0	-	0.0	-	12.1	-	-	-
107.0	80.0	0.0	0.0	-	0.0	-	0.0	-	5.8	-	-	-
113.0	80.0	0.0	0.0	-	0.0	-	0.0	-	5.8	-	-	-
120.0	70.0	0.0	-	0.0	-	-	-	33.7	0.0	-	-	-
123.0	42.0	0.0	-	0.0	-	-	-	-	11.1	-	-	-
123.0	45.0	0.0	-	0.0	-	-	-	5.9	6.0	-	-	-
127.0	60.0	0.0	-	-	-	-	-	0.0	0.0	-	-	-
137.0	50.0	0.0	-	5.1	-	-	-	0.0	0.0	-	-	-
137.0	60.0	0.0	-	5.2	-	-	-	5.9	-	-	-	-

Lampanyctus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	90.0	-	-	-	-	0.0	-	0.0	28.4	-	-	-
63.0	52.0	0.0	-	0.0	0.0	0.0	-	0.0	22.0	-	-	-
63.0	55.0	0.0	-	10.0	0.0	0.0	-	0.0	20.7	-	-	-
63.0	80.0	0.0	-	-	-	0.0	-	20.5	-	-	-	-
63.0	90.0	-	-	-	-	39.7	-	5.4	16.8	-	-	-
67.0	50.0	0.0	-	0.0	0.0	0.0	-	0.0	22.4	-	-	-
67.0	55.0	0.0	-	13.1	0.0	0.0	-	0.0	0.0	-	-	-
67.0	60.0	0.0	-	0.0	33.1	11.8	-	0.0	0.0	-	-	-
67.0	70.0	0.0	-	0.0	-	63.5	-	22.9	0.0	-	-	-
67.0	80.0	0.0	-	8.3	-	24.4	-	11.9	-	-	-	-
67.0	90.0	0.0	-	0.0	-	5.9	-	0.0	0.0	-	-	-
70.0	53.0	0.0	-	0.0	0.0	12.2	-	0.0	0.0	-	-	-
70.0	60.0	10.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
70.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	11.2	-	-	-
70.0	90.0	10.4	-	0.0	0.0	34.6	-	10.8	0.0	-	-	-
73.0	50.0	0.0	-	0.0	0.0	30.0	-	0.0	0.0	-	-	-
73.0	60.0	0.0	-	0.0	0.0	18.4	-	0.0	9.7	-	-	-
73.0	65.0	0.0	-	0.0	0.0	-	-	5.1	20.7	-	-	-
73.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	5.6	-	-	-
73.0	80.0	0.0	-	0.0	0.0	36.3	-	5.1	0.0	-	-	-
73.0	90.0	0.0	-	0.0	-	17.2	-	0.0	0.0	-	-	-
77.0	51.0	0.0	-	0.0	0.0	28.8	-	0.0	0.0	-	-	-
77.0	55.0	0.0	-	0.0	0.0	50.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
777.0	60.0	0.0	—	0.0	0.0	40.2	—	0.0	0.0	—	—	—
777.0	65.0	0.0	—	0.0	0.0	—	—	10.9	10.5	—	—	—
777.0	70.0	0.0	—	0.0	0.0	11.9	—	5.3	0.0	—	—	—
777.0	90.0	0.0	—	0.0	0.0	0.0	—	5.5	0.0	—	—	—
80.0	60.0	0.0	—	0.0	0.0	11.7	—	0.0	0.0	—	—	—
80.0	80.0	0.0	—	10.5	0.0	31.1	—	0.0	0.0	—	—	—
80.0	90.0	0.0	—	5.4	0.0	0.0	—	0.0	0.0	—	—	—
83.0	51.0	0.0	—	0.0	0.0	—	—	0.0	0.0	—	—	—
83.0	55.0	0.0	—	8.1	0.0	—	—	0.0	0.0	—	—	—
83.0	60.0	0.0	—	0.0	0.0	—	—	0.0	52.5	—	—	—
83.0	90.0	0.0	—	0.0	0.0	0.0	—	0.0	5.8	—	—	—
87.0	40.0	0.0	—	0.0	0.0	0.0	—	0.0	0.0	—	—	—
87.0	45.0	0.0	—	5.9	0.0	0.0	—	0.0	0.0	—	—	—
87.0	55.0	0.0	—	—	0.0	0.0	—	0.0	0.0	—	—	—
87.0	60.0	0.0	—	—	0.0	0.0	—	0.0	0.0	—	—	—
87.0	70.0	0.0	—	—	11.3	0.0	—	0.0	10.8	—	—	—
87.0	80.0	0.0	—	—	0.0	0.0	—	0.0	10.8	—	—	—
87.0	90.0	0.0	—	—	0.0	0.0	—	0.0	22.2	—	—	—
90.0	29.0	0.0	—	—	—	0.0	—	0.0	5.5	—	—	—
90.0	30.0	0.0	—	—	0.0	0.0	—	0.0	0.0	—	—	—
90.0	33.0	0.0	—	—	0.0	0.0	—	12.0	0.0	—	—	—
90.0	37.0	0.0	—	—	0.0	0.0	—	0.0	0.0	—	—	—
90.0	45.0	0.0	—	—	0.0	0.0	—	0.0	0.0	—	—	—
90.0	70.0	0.0	—	—	4.8	0.0	—	—	0.0	—	—	—
90.0	80.0	0.0	—	—	4.6	0.0	—	—	0.0	—	—	—
90.0	90.0	0.0	—	—	0.0	0.0	—	—	0.0	—	—	—
90.0	100.0	0.0	—	—	0.0	0.0	—	—	15.5	—	—	—
90.0	110.0	0.0	—	—	0.0	0.0	—	—	5.3	—	—	—
90.0	120.0	0.0	—	—	5.1	—	—	—	0.0	—	—	—
90.0	130.0	0.0	—	—	10.0	—	—	—	10.8	—	—	—
90.0	140.0	0.0	—	—	47.0	—	—	—	5.3	—	—	—
90.0	150.0	0.0	—	—	41.8	—	—	—	10.5	—	—	—
90.0	160.0	0.0	—	—	52.9	—	—	—	5.2	—	—	—
90.0	170.0	0.0	—	—	16.0	—	—	—	—	—	—	—
90.0	180.0	0.0	—	—	27.7	—	—	—	16.2	—	—	—
90.0	190.0	0.0	—	—	64.4	—	—	—	—	—	—	—
90.0	200.0	0.0	—	—	36.0	—	—	—	—	—	—	—
93.0	26.7	0.0	—	—	—	0.0	—	—	—	—	—	—
93.0	26.9	0.0	—	—	—	0.0	—	0.0	—	—	—	—
93.0	30.0	0.0	—	—	—	0.0	—	0.0	0.0	—	—	—
93.0	45.0	0.0	—	—	—	0.0	—	—	0.0	—	—	—
93.0	50.0	0.0	—	—	—	0.0	—	—	0.0	—	—	—
93.0	55.0	0.0	—	—	—	21.8	—	—	0.0	—	—	—
93.0	60.0	0.0	—	—	—	26.1	—	—	0.0	—	—	—
93.0	60.0	0.0	—	—	—	0.0	—	—	0.0	—	—	—
93.0	70.0	0.0	—	—	—	10.1	—	—	0.0	—	—	—

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	80.0	5.4	11.6	18.7	0.0	0.0	0.0	17.9	0.0	0.0	0.0	0.0
93.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	0.0	0.0	0.0	0.0
93.0	100.0	0.0	0.0	5.6	10.4	0.0	0.0	5.6	0.0	0.0	0.0	0.0
93.0	110.0	0.0	0.0	5.2	0.0	0.0	0.0	21.8	0.0	0.0	0.0	0.0
93.0	120.0	0.0	0.0	63.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	130.0	0.0	0.0	54.5	58.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	140.0	0.0	0.0	43.1	0.0	0.0	0.0	37.7	0.0	0.0	0.0	0.0
93.0	150.0	0.0	0.0	84.3	34.6	0.0	0.0	16.3	0.0	0.0	0.0	0.0
93.0	160.0	0.0	0.0	61.4	35.0	0.0	0.0	26.4	0.0	0.0	0.0	0.0
93.0	170.0	0.0	0.0	42.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	180.0	0.0	0.0	37.7	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	190.0	0.0	0.0	37.0	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	200.0	0.0	0.0	39.7	20.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	29.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	32.0	10.3	5.8	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	35.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	40.0	5.4	10.3	0.0	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	45.0	0.0	24.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	50.0	0.0	5.9	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	55.0	9.6	0.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	70.0	0.0	0.0	19.6	0.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0
97.0	80.0	0.0	0.0	19.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	90.0	0.0	16.2	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	100.0	0.0	0.0	41.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	50.0	0.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	60.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2	0.0	0.0	0.0	0.0
100.0	80.0	2.9	0.0	0.0	0.0	0.0	15.5	11.2	0.0	0.0	0.0	0.0
100.0	90.0	0.0	5.8	10.3	10.2	0.0	10.2	6.7	0.0	0.0	0.0	0.0
100.0	100.0	0.0	0.0	18.1	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0
103.0	40.0	0.0	0.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	45.0	12.5	5.1	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	50.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	60.0	0.0	0.0	0.0	10.4	0.0	10.4	0.0	0.0	0.0	0.0	0.0
103.0	70.0	0.0	10.2	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0
103.0	80.0	2.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	90.0	0.0	0.0	0.0	5.5	0.0	5.5	0.0	0.0	0.0	0.0	0.0
107.0	32.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0
107.0	40.0	0.0	16.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	45.0	5.2	0.0	34.5	0.0	0.0	0.0	0.0	12.7	0.0	0.0	0.0
107.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2	0.0	0.0	0.0
107.0	70.0	0.0	0.0	0.0	6.2	0.0	8.1	0.0	0.0	0.0	0.0	0.0
107.0	80.0	0.0	5.4	0.0	10.7	0.0	8.9	0.0	5.8	0.0	0.0	0.0
110.0	40.0	0.0	17.1	21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	45.0	9.0	5.1	-	22.2	-	0.0	-	0.0	-	-	-
110.0	50.0	0.0	0.0	-	0.0	-	16.2	0.0	0.0	-	-	-
110.0	60.0	5.3	5.2	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	70.0	-	5.5	-	-	-	0.0	-	0.0	-	-	-
110.0	80.0	-	5.2	-	-	-	0.0	-	0.0	-	-	-
113.0	35.0	8.5	0.0	-	22.8	-	-	0.0	0.0	-	-	-
113.0	45.0	0.0	10.6	-	0.0	-	0.0	5.2	0.0	-	-	-
113.0	60.0	5.3	5.3	-	-	-	5.3	-	0.0	-	-	-
113.0	70.0	-	5.4	-	-	-	5.1	-	0.0	-	-	-
113.0	80.0	-	5.4	-	-	-	-	6.1	0.0	-	-	-
117.0	45.0	0.0	5.7	-	-	-	-	5.9	0.0	-	-	-
117.0	70.0	23.4	0.0	-	-	-	-	5.7	0.0	-	-	-
117.0	80.0	4.4	23.1	-	-	-	-	0.0	0.0	-	-	-
120.0	45.0	-	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	50.0	15.6	-	4.9	-	-	-	0.0	0.0	-	-	-
120.0	60.0	-	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	70.0	0.0	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	80.0	15.6	-	14.2	-	-	-	17.2	11.2	-	-	-
123.0	45.0	0.0	-	0.0	-	-	-	-	6.0	-	-	-
123.0	60.0	10.4	-	5.1	-	-	-	0.0	0.0	-	-	-
127.0	50.0	4.6	-	9.9	-	-	-	0.0	0.0	-	-	-
130.0	40.0	0.0	-	5.4	-	-	-	-	0.0	-	-	-
130.0	50.0	5.1	-	16.5	-	-	-	11.6	0.0	-	-	-
130.0	60.0	18.3	-	10.2	-	-	-	0.0	0.0	-	-	-
133.0	30.0	0.0	-	34.4	-	-	-	0.0	0.0	-	-	-
133.0	35.0	5.3	-	4.7	-	-	-	17.8	5.7	-	-	-
133.0	40.0	11.9	-	9.7	-	-	-	0.0	0.0	-	-	-
133.0	50.0	5.4	-	39.5	-	-	-	0.0	0.0	-	-	-
133.0	60.0	5.3	-	0.0	-	-	-	0.0	5.9	-	-	-
137.0	35.0	0.0	-	5.3	-	-	-	11.0	0.0	-	-	-
137.0	40.0	9.9	-	15.7	-	-	-	5.7	6.0	-	-	-
137.0	50.0	16.4	-	5.1	-	-	-	0.0	0.0	-	-	-
137.0	60.0	11.1	-	0.0	-	-	-	5.9	-	-	-	-

Lampanyctus regalis

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	70.0	0.0	-	0.0	-	0.0	-	22.6	0.0	-	-	-
63.0	65.0	0.0	-	0.0	-	-	-	37.6	0.0	-	-	-
63.0	70.0	0.0	-	0.0	-	0.0	-	22.6	0.0	-	-	-
63.0	80.0	0.0	-	-	-	0.0	-	10.3	-	-	-	-
63.0	90.0	-	-	-	-	0.0	-	5.4	0.0	-	-	-
67.0	65.0	0.0	-	0.0	-	-	-	55.6	0.0	-	-	-
67.0	70.0	0.0	-	0.0	-	10.6	-	11.5	11.0	-	-	-
67.0	80.0	0.0	-	8.3	-	0.0	-	0.0	-	-	-	-

TABLE 4. (cont.)

Lampanyctus regalis (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
67.0	90.0	0.0	-	0.0	-	0.0	-	0.0	5.5	-	-	-
70.0	53.0	0.0	-	0.0	-	0.0	-	20.1	0.0	-	-	-
70.0	60.0	0.0	-	0.0	-	0.0	-	21.4	0.0	-	-	-
70.0	65.0	0.0	-	0.0	-	-	-	0.0	12.0	-	-	-
70.0	80.0	0.0	-	0.0	-	0.0	-	11.3	0.0	-	-	-
70.0	90.0	0.0	-	5.6	-	0.0	-	0.0	0.0	-	-	-
73.0	80.0	0.0	-	0.0	-	6.1	-	5.1	0.0	-	-	-
77.0	55.0	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	-
77.0	60.0	0.0	-	10.5	-	0.0	-	29.4	0.0	-	-	-
77.0	70.0	0.0	-	0.0	-	11.9	-	5.3	0.0	-	-	-
77.0	80.0	0.0	-	0.0	-	11.9	-	0.0	0.0	-	-	-
77.0	90.0	0.0	-	0.0	-	0.0	-	5.5	0.0	-	-	-
80.0	60.0	0.0	-	0.0	-	0.0	-	10.1	0.0	-	-	-
80.0	80.0	0.0	-	0.0	-	0.0	-	11.7	0.0	-	-	-
80.0	90.0	0.0	-	0.0	-	0.0	-	10.2	0.0	-	-	-
83.0	60.0	0.0	-	9.8	-	8.6	-	0.0	0.0	-	-	-
83.0	70.0	0.0	-	0.0	-	0.0	-	0.0	10.5	-	-	-
83.0	80.0	0.0	-	0.0	-	0.0	-	0.0	5.9	-	-	-
83.0	90.0	0.0	-	0.0	-	0.0	-	4.6	0.0	-	-	-
87.0	60.0	0.0	-	0.0	-	10.6	-	0.0	0.0	-	-	-
87.0	70.0	0.0	-	0.0	-	10.3	-	0.0	0.0	-	-	-
87.0	80.0	0.0	-	0.0	-	24.9	-	0.0	0.0	-	-	-
90.0	60.0	0.0	-	0.0	-	5.4	0.0	-	0.0	-	-	-
90.0	70.0	0.0	-	4.6	-	10.4	7.8	-	0.0	-	-	-
90.0	80.0	0.0	-	0.0	-	0.0	5.3	-	5.4	-	-	-
90.0	90.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	28.0	0.0	-	0.0	-	0.0	10.6	-	0.0	-	-	-
93.0	30.0	0.0	-	0.0	-	0.0	11.6	-	0.0	-	-	-
93.0	40.0	0.0	-	0.0	-	0.0	11.1	-	0.0	-	-	-
93.0	50.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-	-
97.0	35.0	0.0	-	0.0	-	0.0	4.6	-	0.0	-	-	-
97.0	50.0	0.0	-	0.0	-	0.0	5.8	-	0.0	-	-	-
97.0	55.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-	-
100.0	35.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-	-
100.0	40.0	0.0	-	10.6	-	0.0	0.0	-	0.0	-	-	-
100.0	50.0	0.0	-	24.1	-	0.0	0.0	-	0.0	-	-	-
100.0	60.0	0.0	-	0.0	-	0.0	0.0	-	11.3	-	-	-
100.0	60.0	0.0	-	0.0	-	0.0	4.9	-	0.0	-	-	-
103.0	50.0	0.0	-	10.5	-	0.0	0.0	-	0.0	-	-	-
107.0	35.0	9.3	-	0.0	-	0.0	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	-	0.0	-	0.0	10.5	-	0.0	-	-	-
120.0	70.0	0.0	-	4.9	-	0.0	-	5.6	0.0	-	-	-
127.0	45.0	0.0	-	0.0	-	-	-	5.3	0.0	-	-	-

TABLE 4. (cont.)

Lampanyctus ritteri

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	70.0	0.0	-	0.0	-	0.0	-	0.0	11.6	-	-	-
63.0	52.0	0.0	-	15.6	0.0	0.0	-	0.0	0.0	-	-	-
63.0	60.0	10.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	80.0	0.0	-	-	18.6	0.0	-	30.8	-	-	-	-
63.0	90.0	-	-	-	0.0	0.0	-	5.4	0.0	-	-	-
67.0	50.0	0.0	-	0.0	0.0	0.0	-	0.0	11.2	-	-	-
67.0	55.0	0.0	-	0.0	0.0	0.0	-	0.0	10.3	-	-	-
67.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
67.0	65.0	0.0	-	0.0	0.0	0.0	-	11.6	0.0	-	-	-
67.0	70.0	0.0	-	0.0	0.0	0.0	-	11.1	0.0	-	-	-
67.0	90.0	5.6	-	10.0	-	0.0	-	80.3	0.0	-	-	-
70.0	60.0	0.0	-	10.4	-	0.0	-	0.0	49.9	-	-	-
70.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	10.5	-	-	-
70.0	80.0	0.0	-	0.0	0.0	62.4	-	0.0	0.0	-	-	-
70.0	80.0	0.0	-	0.0	0.0	53.9	-	0.0	76.9	-	-	-
73.0	53.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	60.0	0.0	-	0.0	0.0	0.0	-	12.4	0.0	-	-	-
73.0	65.0	0.0	-	0.0	0.0	0.0	-	22.2	0.0	-	-	-
73.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	80.0	0.0	-	0.0	0.0	46.4	-	9.9	0.0	-	-	-
73.0	90.0	0.0	-	10.7	-	0.0	-	0.0	0.0	-	-	-
77.0	65.0	0.0	-	19.9	0.0	0.0	-	0.0	0.0	-	-	-
77.0	70.0	0.0	-	22.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	80.0	0.0	-	0.0	0.0	0.0	-	0.0	10.9	-	-	-
77.0	90.0	5.5	-	0.0	-	0.0	-	0.0	0.0	-	-	-
80.0	55.0	0.0	-	11.0	-	23.7	-	0.0	0.0	-	-	-
80.0	90.0	10.7	-	0.0	-	66.3	-	0.0	0.0	-	-	-
80.0	90.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	60.0	0.0	-	0.0	0.0	24.5	-	0.0	0.0	-	-	-
83.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	80.0	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	90.0	0.0	-	15.0	-	10.2	-	0.0	0.0	-	-	-
87.0	36.0	0.0	-	9.9	-	9.8	-	23.0	5.8	-	-	-
87.0	40.0	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	90.0	0.0	-	0.0	0.0	0.0	-	4.4	0.0	-	-	-
90.0	45.0	0.0	-	0.0	0.0	0.0	-	-	-	-	-	-
90.0	53.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-	-
90.0	60.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-	-
90.0	70.0	0.0	-	0.0	0.0	0.0	-	-	5.7	-	-	-
90.0	80.0	15.3	-	0.0	0.0	0.0	-	-	0.0	-	-	-
90.0	90.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-	-
90.0	100.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-	-
90.0	110.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-	-
90.0	130.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-	-
90.0	140.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-	-
93.0	35.0	0.0	-	0.0	-	0.0	-	-	10.8	-	-	-
									5.3	-	-	-

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	40.0	15.9	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	50.0	0.0	30.6	10.9	-	0.0	0.0	-	0.0	-	-	-
93.0	55.0	0.0	0.0	20.8	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	10.5	0.0	0.0	-	5.3	5.3	-	0.0	-	-	-
93.0	70.0	3.9	16.4	5.0	-	24.4	5.6	-	0.0	-	-	-
93.0	80.0	0.0	17.4	-	-	0.0	0.0	-	0.0	-	-	-
93.0	90.0	0.0	0.0	-	-	0.0	0.0	-	0.0	-	-	-
93.0	100.0	0.0	16.4	-	-	-	0.0	-	0.0	-	-	-
97.0	30.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
97.0	32.0	9.4	0.0	-	-	-	0.0	-	0.0	-	-	-
97.0	35.0	4.9	0.0	-	-	-	5.2	-	0.0	-	-	-
97.0	45.0	41.5	18.0	-	-	-	0.0	-	0.0	-	-	-
97.0	50.0	0.0	5.9	-	-	-	0.0	-	0.0	-	-	-
97.0	55.0	33.7	0.0	-	-	-	0.0	-	0.0	-	-	-
97.0	60.0	5.7	0.0	-	-	-	4.5	-	0.0	-	-	-
97.0	70.0	0.0	0.0	-	-	-	2.5	-	0.0	-	-	-
97.0	80.0	0.0	11.6	-	-	-	-	-	0.0	-	-	-
97.0	90.0	0.0	0.0	-	-	-	-	-	0.0	-	-	-
100.0	35.0	0.0	10.1	-	-	-	0.0	-	0.0	-	-	-
100.0	40.0	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-
100.0	45.0	5.0	0.0	-	-	-	0.0	-	0.0	-	-	-
100.0	50.0	5.4	14.8	-	-	-	9.7	-	0.0	-	-	-
100.0	70.0	0.0	10.5	-	-	-	0.0	-	0.0	-	-	-
100.0	80.0	0.0	0.0	-	-	-	5.2	-	11.2	-	-	-
100.0	90.0	0.0	11.6	-	-	-	0.0	-	6.7	-	-	-
103.0	40.0	19.1	0.0	-	-	-	0.0	-	0.0	-	-	-
103.0	45.0	0.0	10.2	-	-	-	5.7	-	0.0	-	-	-
103.0	50.0	0.0	5.0	-	-	-	4.9	-	0.0	-	-	-
103.0	60.0	11.7	0.0	-	-	-	10.4	-	0.0	-	-	-
103.0	70.0	0.0	0.0	-	-	-	2.8	-	0.0	-	-	-
103.0	80.0	4.7	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	32.0	4.2	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	35.0	18.6	5.5	-	-	-	0.0	-	0.0	-	-	-
107.0	40.0	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-
107.0	45.0	4.8	0.0	-	-	-	10.5	-	0.0	-	-	-
107.0	50.0	23.4	0.0	-	-	-	-	-	0.0	-	-	-
107.0	70.0	6.2	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0	35.0	11.5	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0	45.0	0.0	5.1	-	-	-	0.0	-	0.0	-	-	-
110.0	50.0	10.8	5.3	-	-	-	0.0	-	0.0	-	-	-
110.0	60.0	0.0	0.0	-	-	-	16.2	-	0.0	-	-	-
110.0	70.0	108.3	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0	80.0	5.3	0.0	-	-	-	10.6	-	0.0	-	-	-
110.0	40.0	15.0	0.0	-	-	-	0.0	-	0.0	-	-	-
113.0	45.0	0.0	5.3	-	-	-	-	-	0.0	-	-	-
113.0	50.0	5.3	5.3	-	-	-	0.0	-	0.0	-	-	-
113.0	50.0	5.3	5.3	-	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	80.0	7.8	0.0	-	-	-	0.0	-	0.0	-	-	-
117.0	60.0	4.5	6.0	-	-	-	0.0	0.0	0.0	-	-	-
117.0	70.0	0.0	0.0	-	-	-	-	0.0	17.7	-	-	-
120.0	60.0	5.2	-	0.0	-	-	-	0.0	5.9	-	-	-
123.0	42.0	0.0	-	-	-	-	-	-	5.6	-	-	-
127.0	45.0	0.0	-	4.7	-	-	-	0.0	0.0	-	-	-

Notolychnus valdiviae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	140.0	-	-	-	20.9	-	5.4	-	0.0	-	-	-
90.0	150.0	-	-	-	20.9	-	0.0	-	10.5	-	-	-
90.0	160.0	-	-	-	5.3	-	0.0	-	0.0	-	-	-
90.0	180.0	-	-	-	0.0	-	5.0	-	54.1	-	-	-
90.0	190.0	-	-	-	0.0	-	17.0	-	-	-	-	-
90.0	200.0	-	-	-	5.2	-	14.9	-	-	-	-	-
93.0	100.0	-	0.0	-	0.0	-	0.0	-	5.6	-	-	-
93.0	110.0	-	-	-	15.5	-	0.0	-	10.9	-	-	-
93.0	120.0	-	-	-	10.6	-	0.0	-	0.0	-	-	-
93.0	130.0	-	-	-	5.4	-	0.0	-	0.0	-	-	-
93.0	140.0	-	-	-	0.0	-	0.0	-	26.9	-	-	-
93.0	150.0	-	-	-	0.0	-	0.0	-	10.9	-	-	-
93.0	160.0	-	-	-	30.7	-	0.0	-	31.6	-	-	-
93.0	170.0	-	-	-	0.0	-	15.7	-	-	-	-	-
93.0	180.0	-	-	-	5.4	-	72.2	-	0.0	-	-	-
93.0	190.0	-	-	-	52.8	-	5.2	-	-	-	-	-
93.0	200.0	-	-	-	49.6	-	5.2	-	-	-	-	-
97.0	100.0	-	-	-	0.0	-	-	-	5.8	-	-	-
107.0	60.0	0.0	0.0	-	-	-	7.7	-	0.0	-	-	-
107.0	70.0	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-
133.0	60.0	0.0	-	0.0	-	-	-	0.0	5.9	-	-	-

Notoscopelus resplendens

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
67.0	90.0	-	-	0.0	-	0.0	-	0.0	5.5	-	-	-
70.0	90.0	0.0	-	0.0	-	0.0	-	0.0	5.3	-	-	-
90.0	120.0	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0	130.0	-	-	-	0.0	-	0.0	-	16.3	-	-	-
90.0	140.0	-	-	-	10.4	-	32.3	-	0.0	-	-	-
90.0	150.0	-	-	-	0.0	-	10.7	-	0.0	-	-	-
90.0	160.0	-	-	-	0.0	-	35.7	-	5.2	-	-	-
90.0	170.0	-	-	-	10.7	-	5.1	-	-	-	-	-
90.0	180.0	-	-	-	22.2	-	0.0	-	21.6	-	-	-

TABLE 4. (cont.)

Notoscopeilus resplendens (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	190.0	-	-	-	0.0	-	11.3	-	-	-	-	-
90.0	200.0	-	-	-	5.2	-	0.0	-	-	-	-	-
93.0	70.0	0.0	0.0	0.0	-	9.8	0.0	-	0.0	-	-	-
93.0	100.0	0.0	0.0	-	0.0	-	10.4	-	5.6	-	-	-
93.0	110.0	-	-	-	10.3	-	0.0	-	10.9	-	-	-
93.0	120.0	-	-	-	10.6	-	5.2	-	5.3	-	-	-
93.0	130.0	-	-	-	16.4	-	0.0	-	5.5	-	-	-
93.0	140.0	-	-	-	16.2	-	18.7	-	16.1	-	-	-
93.0	150.0	-	-	-	21.1	-	0.0	-	5.4	-	-	-
93.0	160.0	-	-	-	15.4	-	5.0	-	5.3	-	-	-
93.0	170.0	-	-	-	10.5	-	0.0	-	-	-	-	-
93.0	180.0	-	-	-	5.4	-	10.3	-	5.6	-	-	-
93.0	190.0	-	-	-	21.1	-	10.3	-	-	-	-	-
93.0	200.0	-	-	-	9.9	-	0.0	-	-	-	-	-
97.0	100.0	-	-	-	0.0	-	-	-	17.4	-	-	-
103.0	70.0	0.0	0.0	-	-	-	2.7	-	0.0	-	-	-
107.0	60.0	0.0	0.0	-	-	-	0.0	-	6.1	-	-	-
107.0	70.0	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-
107.0	80.0	5.3	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0	70.0	0.0	0.0	-	-	-	5.3	-	5.9	-	-	-
110.0	80.0	0.0	5.2	-	-	-	0.0	-	0.0	-	-	-
113.0	60.0	0.0	0.0	-	-	-	0.0	0.0	6.3	-	-	-
113.0	70.0	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-
120.0	70.0	0.0	-	-	-	-	-	16.9	12.9	-	-	-
123.0	50.0	0.0	-	-	-	-	-	0.0	6.2	-	-	-
127.0	50.0	0.0	-	-	-	-	-	0.0	5.6	-	-	-
127.0	60.0	0.0	-	-	-	-	-	29.3	0.0	-	-	-
130.0	40.0	0.0	-	-	-	-	-	-	12.8	-	-	-
130.0	60.0	0.0	-	-	-	-	-	0.0	5.8	-	-	-
133.0	60.0	0.0	-	-	-	-	-	0.0	0.0	-	-	-

Parvilux ingens

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	160.0	-	-	-	0.0	-	5.0	-	0.0	-	-	-
93.0	180.0	-	-	-	0.0	-	5.2	-	0.0	-	-	-

Stenobranchius leucopsarus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.0	-	-	-	-	-	-	-	-	-	-	-
60.0	52.5	5.0	-	-	0.0	12.1	-	20.3	0.0	-	-	-
60.0	55.0	73.5	-	121.2	34.2	54.7	-	0.0	0.0	-	-	-
60.0	60.0	21.4	-	33.1	0.0	39.5	-	108.0	0.0	-	-	-

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	65.0	150.3	-	-	-	-	-	10.9	0.0	-	-	-
60.0	70.0	48.6	-	7.7	-	10.5	-	0.0	11.6	-	-	-
60.0	80.0	85.9	-	-	-	95.9	-	0.0	21.9	-	-	-
60.0	90.0	-	-	-	-	10.7	-	0.0	0.0	-	-	-
63.0	50.0	0.0	-	7.2	18.0	-	-	0.0	0.0	-	-	-
63.0	52.0	0.0	-	54.7	104.1	0.0	-	0.0	0.0	-	-	-
63.0	55.0	221.4	-	219.1	156.0	86.0	-	0.0	0.0	-	-	-
63.0	60.0	124.7	-	41.0	0.0	27.1	-	0.0	0.0	-	-	-
63.0	65.0	53.4	-	9.5	-	-	-	0.0	0.0	-	-	-
63.0	70.0	97.6	-	57.4	-	63.3	-	0.0	0.0	-	-	-
63.0	80.0	10.0	-	-	-	27.9	10.3	0.0	-	-	-	-
63.0	90.0	-	-	-	-	49.7	0.0	0.0	0.0	-	-	-
66.0	49.0	9.4	-	9.6	0.0	-	-	0.0	0.0	-	-	-
67.0	50.0	9.5	-	77.1	43.6	0.0	-	0.0	0.0	-	-	-
67.0	55.0	69.2	-	78.8	54.8	56.5	-	0.0	0.0	-	-	-
67.0	60.0	21.2	-	44.0	33.1	117.6	-	0.0	0.0	-	-	-
67.0	65.0	33.8	-	168.3	-	-	-	0.0	0.0	-	-	-
67.0	70.0	37.6	-	69.9	-	84.7	-	0.0	0.0	-	-	-
67.0	80.0	0.0	-	8.3	-	0.0	-	0.0	0.0	-	-	-
67.0	90.0	16.7	-	25.9	9.9	0.0	-	0.0	0.0	-	-	-
70.0	51.0	0.0	-	54.2	-	0.0	-	0.0	0.0	-	-	-
70.0	53.0	101.2	-	0.0	59.9	49.0	10.0	0.0	0.0	-	-	-
70.0	60.0	41.7	-	37.0	11.5	0.0	-	0.0	0.0	-	-	-
70.0	65.0	34.9	-	0.0	20.7	-	-	0.0	0.0	-	-	-
70.0	70.0	35.7	-	42.1	10.9	0.0	-	0.0	0.0	-	-	-
70.0	80.0	24.4	-	0.0	-	0.0	-	0.0	0.0	-	-	-
70.0	90.0	10.4	-	22.2	-	17.3	-	0.0	0.0	-	-	-
73.0	50.0	31.5	-	19.7	246.0	320.0	-	0.0	10.0	-	-	-
73.0	53.0	201.4	-	161.3	234.4	72.1	-	0.0	0.0	-	-	-
73.0	60.0	53.8	-	129.8	104.6	18.4	-	0.0	0.0	-	-	-
73.0	65.0	16.5	-	91.6	21.4	-	-	0.0	0.0	-	-	-
73.0	70.0	94.2	-	24.3	20.8	58.1	-	0.0	0.0	-	-	-
73.0	80.0	24.3	-	21.3	-	6.1	-	0.0	0.0	-	-	-
73.0	90.0	22.8	-	164.3	-	0.0	-	0.0	0.0	-	-	-
77.0	48.0	0.0	-	4.5	4.5	-	-	0.0	-	-	-	-
77.0	51.0	134.3	-	32.8	62.4	374.2	-	0.0	0.0	-	-	-
77.0	55.0	196.0	-	81.5	178.1	75.0	-	0.0	0.0	-	-	-
77.0	60.0	11.2	-	299.0	127.8	0.0	-	0.0	0.0	-	-	-
77.0	65.0	0.0	-	109.8	153.7	-	-	0.0	0.0	-	-	-
77.0	70.0	73.3	-	78.0	50.1	59.3	-	0.0	0.0	-	-	-
77.0	80.0	0.0	-	55.6	-	17.8	-	0.0	10.5	-	-	-
77.0	90.0	10.8	-	71.4	-	12.1	-	0.0	0.0	-	-	-
80.0	51.0	5.8	-	19.8	0.0	10.4	-	0.0	0.0	-	-	-
80.0	52.0	147.8	-	25.9	57.0	-	-	0.0	0.0	-	-	-
80.0	55.0	32.2	-	53.5	109.8	13.2	-	0.0	0.0	-	-	-
80.0	60.0	0.0	-	60.0	205.8	117.1	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

STATION	<i>Stenobrachius leucopsarus</i> (cont.)											
	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	70.0	0.0	-	80.1	75.4	49.9	-	0.0	0.0	0.0	-	-
80.0	80.0	0.0	-	10.5	-	31.1	-	0.0	0.0	0.0	-	-
80.0	90.0	11.0	-	0.0	-	0.0	-	0.0	0.0	0.0	-	-
82.0	47.0	96.3	-	203.1	11.6	-	-	0.0	0.0	0.0	-	-
83.0	40.6	15.2	-	-	21.3	0.0	-	0.0	0.0	0.0	-	-
83.0	42.0	114.2	-	26.5	25.3	9.3	-	0.0	0.0	0.0	-	-
83.0	51.0	103.0	-	51.1	46.2	-	-	0.0	0.0	0.0	-	-
83.0	55.0	123.1	-	32.3	103.0	-	-	0.0	0.0	0.0	-	-
83.0	60.0	0.0	-	0.0	38.1	77.3	-	0.0	0.0	0.0	-	-
83.0	70.0	5.4	-	19.9	41.3	20.6	-	0.0	0.0	0.0	-	-
83.0	80.0	5.4	-	15.0	-	15.3	-	0.0	11.8	5.8	-	-
83.0	90.0	-	-	29.6	-	9.8	-	0.0	0.0	0.0	-	-
87.0	32.7	0.0	-	4.8	4.3	0.0	-	0.0	0.0	0.0	-	-
87.0	33.0	20.4	-	0.0	39.7	0.0	-	0.0	0.0	0.0	-	-
87.0	34.0	4.4	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
87.0	34.0	49.8	-	39.8	191.5	-	-	0.0	0.0	0.0	-	-
87.0	35.0	43.2	-	44.6	213.3	19.9	-	12.1	0.0	0.0	-	-
87.0	36.0	16.9	-	27.8	209.7	-	-	0.0	0.0	0.0	-	-
87.0	40.0	33.8	-	139.7	53.1	0.0	-	0.0	0.0	0.0	-	-
87.0	45.0	78.7	-	380.2	39.6	41.7	-	0.0	0.0	0.0	-	-
87.0	50.0	0.0	-	-	122.6	63.8	-	0.0	0.0	0.0	-	-
87.0	55.0	0.0	-	-	11.9	61.8	-	0.0	0.0	0.0	-	-
87.0	60.0	0.0	-	-	5.7	21.2	-	0.0	21.5	10.8	-	-
87.0	70.0	0.0	-	-	0.0	25.7	-	0.0	0.0	0.0	-	-
87.0	80.0	0.0	-	-	-	14.9	-	0.0	0.0	0.0	-	-
87.0	90.0	-	-	-	-	0.0	-	0.0	0.0	0.0	-	-
90.0	27.6	0.0	-	-	4.9	0.0	-	0.0	0.0	0.0	-	-
90.0	28.0	0.0	-	-	104.3	0.0	-	0.0	0.0	0.0	-	-
90.0	29.0	0.0	-	-	38.6	112.0	-	0.0	0.0	0.0	-	-
90.0	30.0	0.0	-	-	75.3	10.7	-	0.0	0.0	0.0	-	-
90.0	31.0	19.5	-	-	165.2	133.4	-	0.0	0.0	0.0	-	-
90.0	33.0	0.0	-	-	34.3	34.9	-	0.0	0.0	0.0	-	-
90.0	37.0	29.7	-	-	0.0	54.9	-	0.0	0.0	0.0	-	-
90.0	45.0	11.2	-	-	118.4	11.6	-	0.0	0.0	0.0	-	-
90.0	53.0	0.0	-	-	0.0	61.4	-	0.0	0.0	0.0	-	-
90.0	70.0	0.0	-	-	0.0	0.0	-	0.0	0.0	0.0	-	-
90.0	80.0	0.0	-	-	10.4	0.0	-	0.0	5.4	0.0	-	-
90.0	90.0	0.0	-	-	10.4	0.0	-	0.0	0.0	0.0	-	-
90.0	100.0	0.0	-	-	5.0	-	-	0.0	0.0	0.0	-	-
93.0	26.9	0.0	-	31.0	-	0.0	-	0.0	0.0	0.0	-	-
93.0	28.0	0.0	-	33.1	-	0.0	-	0.0	0.0	0.0	-	-
93.0	29.0	0.0	-	33.4	-	0.0	-	0.0	12.0	0.0	-	-
93.0	30.0	0.0	-	54.1	-	0.0	-	0.0	0.0	0.0	-	-
93.0	35.0	0.0	-	44.2	-	0.0	-	0.0	0.0	0.0	-	-
93.0	40.0	0.0	-	12.0	-	0.0	-	0.0	0.0	0.0	-	-
93.0	45.0	0.0	-	12.3	-	0.0	-	0.0	0.0	0.0	-	-
93.0	50.0	0.0	-	0.0	-	86.1	-	0.0	0.0	0.0	-	-

TABLE 4. (cont.)

Stenobranchius leucopsarus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	60.0	0.0	5.4	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	70.0	0.0	10.9	10.1	-	0.0	0.0	-	0.0	-	-	-
93.0	90.0	0.0	6.3	-	0.0	0.0	0.0	-	0.0	-	-	-
93.5	29.0	-	-	-	0.0	14.3	0.0	0.0	-	-	-	-
97.0	30.0	0.0	0.0	-	0.0	4.7	0.0	-	0.0	-	-	-
97.0	32.0	0.0	0.0	-	98.6	0.0	0.0	-	0.0	-	-	-
97.0	35.0	0.0	22.7	-	35.9	4.6	0.0	-	0.0	-	-	-
97.0	40.0	22.0	10.3	-	39.1	10.6	0.0	-	0.0	-	-	-
97.0	45.0	31.1	6.0	-	9.2	0.0	0.0	-	0.0	-	-	-
97.0	55.0	0.0	0.0	-	5.3	0.0	0.0	-	0.0	-	-	-
97.0	70.0	0.0	0.0	-	14.7	0.0	0.0	-	0.0	-	-	-
97.0	90.0	0.0	5.4	-	0.0	0.0	-	-	0.0	-	-	-
100.0	35.0	0.0	0.0	-	52.9	5.0	0.0	-	0.0	-	-	-
100.0	40.0	0.0	0.0	-	48.2	0.0	0.0	-	0.0	-	-	-
100.0	45.0	0.0	0.0	-	10.4	0.0	0.0	-	0.0	-	-	-
103.0	30.0	0.0	0.0	-	0.0	5.1	0.0	-	0.0	-	-	-
103.0	45.0	0.0	0.0	-	0.0	10.8	0.0	-	0.0	-	-	-
107.0	35.0	0.0	0.0	-	0.0	0.0	0.0	0.0	31.1	-	-	-
107.0	45.0	0.0	0.0	-	11.5	-	-	-	0.0	-	-	-
110.0	32.4	0.0	0.0	-	19.8	-	0.0	0.0	0.0	-	-	-

Taaningichthys minimus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	190.0	-	-	-	5.3	-	0.0	-	-	-	-	-

Tripnoturus mexicanus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	5.6	-	-	-
77.0	65.0	0.0	-	0.0	0.0	-	-	5.5	0.0	-	-	-
77.0	90.0	0.0	-	0.0	-	0.0	-	0.0	10.8	-	-	-
83.0	51.0	0.0	-	0.0	0.0	-	-	0.0	10.3	-	-	-
87.0	32.7	0.0	-	0.0	0.0	0.0	-	0.0	4.7	-	-	-
87.0	33.0	0.0	-	0.0	5.0	0.0	-	0.0	9.5	-	-	-
87.0	34.0	0.0	-	0.0	0.0	-	-	0.0	10.2	-	-	-
87.0	35.0	0.0	-	0.0	0.0	19.9	-	0.0	0.0	-	-	-
87.0	40.0	0.0	-	0.0	0.0	12.2	-	0.0	0.0	-	-	-
87.0	50.0	0.0	0.0	-	0.0	0.0	-	0.0	9.9	-	-	-
87.0	60.0	0.0	0.0	-	0.0	0.0	-	0.0	10.8	-	-	-
87.0	70.0	0.0	0.0	-	0.0	25.7	-	0.0	10.8	-	-	-
87.0	90.0	0.0	0.0	-	-	0.0	-	4.4	16.4	-	-	-
90.0	28.0	0.0	0.0	-	0.0	9.0	-	0.0	0.0	-	-	-
90.0	30.0	0.0	0.0	-	0.0	0.0	-	0.0	35.8	-	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	31.0	0.0	0.0	-	0.0	0.0	-	0.0	32.9	-	-	-
90.0	33.0	0.0	0.0	-	11.4	0.0	-	0.0	0.0	-	-	-
90.0	45.0	0.0	11.2	-	0.0	0.0	0.0	30.1	0.0	-	-	-
90.0	60.0	0.0	0.0	-	4.8	0.0	0.0	-	0.0	-	-	-
90.0	70.0	0.0	0.0	-	0.0	15.6	7.8	-	0.0	-	-	-
90.0	80.0	0.0	0.0	-	0.0	16.0	47.5	-	0.0	-	-	-
90.0	90.0	0.0	0.0	-	0.0	5.2	27.0	-	38.6	-	-	-
90.0	100.0	0.0	0.0	-	0.0	-	26.9	-	0.0	-	-	-
90.0	110.0	-	-	-	0.0	-	21.9	-	21.0	-	-	-
90.0	120.0	-	-	-	0.0	-	31.6	-	0.0	-	-	-
90.0	130.0	-	-	-	5.0	-	5.6	-	81.3	-	-	-
90.0	140.0	-	-	-	0.0	-	0.0	-	21.4	-	-	-
93.0	26.7	0.0	0.0	0.0	-	0.0	9.8	0.0	-	-	-	-
93.0	28.0	0.0	0.0	0.0	-	29.4	42.6	0.0	0.0	-	-	-
93.0	29.0	0.0	0.0	5.6	-	-	37.4	-	24.0	-	-	-
93.0	30.0	0.0	0.0	0.0	-	12.4	0.0	-	0.0	-	-	-
93.0	35.0	0.0	0.0	0.0	-	0.0	0.0	-	5.8	-	-	-
93.0	40.0	0.0	5.6	0.0	-	11.5	0.0	-	0.0	-	-	-
93.0	45.0	0.0	12.3	0.0	-	0.0	0.0	-	42.6	-	-	-
93.0	50.0	0.0	0.0	5.4	-	0.0	0.0	-	11.8	-	-	-
93.0	55.0	0.0	0.0	0.0	-	0.0	13.4	-	0.0	-	-	-
93.0	60.0	0.0	5.4	0.0	-	16.0	26.5	-	5.2	-	-	-
93.0	70.0	0.0	0.0	0.0	-	58.7	0.0	-	0.0	-	-	-
93.0	80.0	0.0	0.0	0.0	-	123.6	0.0	-	0.0	-	-	-
93.0	90.0	0.0	0.0	-	0.0	9.8	15.4	-	5.4	-	-	-
93.0	100.0	0.0	0.0	-	0.0	-	31.3	-	16.7	-	-	-
93.0	120.0	0.0	0.0	-	0.0	-	5.2	-	10.7	-	-	-
93.0	130.0	0.0	-	-	0.0	-	0.0	-	11.1	-	-	-
97.0	30.0	0.0	0.0	-	13.1	-	0.0	-	0.0	-	-	-
97.0	32.0	0.0	0.0	-	0.0	-	17.3	-	0.0	-	-	-
97.0	35.0	4.9	0.0	-	9.0	-	5.2	-	6.2	-	-	-
97.0	40.0	0.0	0.0	-	0.0	-	0.0	-	12.5	-	-	-
97.0	45.0	0.0	0.0	-	0.0	-	24.8	-	0.0	-	-	-
97.0	50.0	10.3	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	55.0	0.0	0.0	-	0.0	-	21.4	-	11.6	-	-	-
97.0	60.0	0.0	0.0	-	0.0	-	5.3	-	0.0	-	-	-
97.0	70.0	0.0	0.0	-	19.6	-	5.0	-	17.7	-	-	-
97.0	80.0	0.0	0.0	-	53.2	375.8	-	-	30.9	-	-	-
97.0	90.0	0.0	0.0	-	10.5	45.3	-	-	111.0	-	-	-
97.0	100.0	0.0	0.0	-	4.7	-	-	-	40.5	-	-	-
100.0	29.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	35.0	0.0	0.0	-	0.0	-	5.6	-	27.7	-	-	-
100.0	40.0	0.0	5.4	-	24.1	-	23.4	-	0.0	-	-	-
100.0	45.0	0.0	0.0	-	0.0	-	0.0	-	12.6	-	-	-
100.0	50.0	0.0	0.0	-	34.6	-	0.0	-	11.3	-	-	-
100.0	60.0	0.0	0.0	-	5.7	-	55.1	-	31.1	-	-	-

TABLE 4. (cont.)

STATION	<i>Triphoturus mexicanus</i> (cont.)											
	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	70.0	0.0	0.0	-	-	-	107.1	-	36.3	-	-	-
100.0	80.0	0.0	0.0	5.0	-	-	284.9	-	5.6	-	-	-
100.0	90.0	4.5	0.0	25.8	-	-	55.9	-	47.2	-	-	-
100.0	100.0	-	0.0	9.1	-	-	-	-	0.0	-	-	-
103.0	29.0	0.0	0.0	0.0	-	-	0.0	-	6.1	-	-	-
103.0	35.0	0.0	0.0	26.7	-	-	0.0	-	0.0	-	-	-
103.0	40.0	0.0	0.0	10.5	-	-	16.4	-	41.2	-	-	-
103.0	45.0	0.0	0.0	0.0	-	-	5.2	-	26.0	-	-	-
103.0	50.0	0.0	0.0	0.0	-	-	32.1	-	12.3	-	-	-
103.0	60.0	0.0	0.0	0.0	-	-	176.1	-	24.0	-	-	-
103.0	70.0	0.0	0.0	-	-	-	114.0	-	35.1	-	-	-
103.0	80.0	0.0	0.0	-	-	-	65.6	-	30.8	-	-	-
103.0	90.0	0.0	0.0	-	-	-	110.6	-	158.0	-	-	-
107.0	31.0	0.0	0.0	0.0	-	-	-	0.0	0.0	-	-	-
107.0	32.0	0.0	0.0	0.0	-	-	11.4	0.0	58.4	-	-	-
107.0	35.0	0.0	11.0	33.1	-	-	70.9	0.0	31.1	-	-	-
107.0	40.0	0.0	0.0	0.0	-	-	115.6	-	60.8	-	-	-
107.0	45.0	0.0	0.0	46.0	-	-	-	-	38.2	-	-	-
107.0	50.0	0.0	0.0	39.1	-	-	15.9	-	11.0	-	-	-
107.0	60.0	0.0	0.0	-	-	-	26.9	-	206.4	-	-	-
107.0	70.0	0.0	10.9	-	-	-	98.8	-	120.8	-	-	-
107.0	80.0	5.3	5.4	-	-	-	182.6	-	98.9	-	-	-
107.0	90.0	-	-	-	-	-	118.4	-	34.3	-	-	-
110.0	32.4	0.0	4.8	0.0	-	-	0.0	0.0	0.0	-	-	-
110.0	35.0	0.0	0.0	11.3	-	-	21.7	0.0	0.0	-	-	-
110.0	40.0	9.9	30.7	65.2	-	-	11.4	5.3	129.4	-	-	-
110.0	45.0	0.0	0.0	11.1	-	-	32.9	-	332.0	-	-	-
110.0	50.0	0.0	10.6	53.5	-	-	81.0	9.8	31.2	-	-	-
110.0	60.0	0.0	31.0	-	-	-	52.3	-	241.2	-	-	-
110.0	70.0	0.0	5.5	-	-	-	21.2	-	247.0	-	-	-
110.0	80.0	0.0	0.0	-	-	-	21.4	-	28.3	-	-	-
110.0	90.0	-	-	-	-	-	-	-	69.5	-	-	-
113.0	35.0	10.3	20.5	34.1	-	-	-	5.6	111.2	-	-	-
113.0	40.0	5.0	26.5	34.9	-	-	-	135.7	118.7	-	-	-
113.0	45.0	10.6	47.5	53.2	-	-	97.4	27.4	101.0	-	-	-
113.0	50.0	0.0	0.0	36.4	-	-	97.0	88.2	0.0	-	-	-
113.0	60.0	5.3	10.6	-	-	-	85.0	-	18.9	-	-	-
113.0	70.0	-	10.8	-	-	-	51.3	-	66.3	-	-	-
113.0	80.0	-	16.1	-	-	-	-	40.9	104.0	-	-	-
113.0	90.0	-	0.0	-	-	-	-	0.0	159.8	-	-	-
117.0	30.0	-	0.0	-	-	-	-	0.0	5.1	-	-	-
117.0	35.0	-	0.0	-	-	-	-	0.0	51.3	-	-	-
117.0	40.0	-	5.8	-	-	-	-	25.9	35.3	-	-	-
117.0	45.0	-	0.0	-	-	-	-	237.5	107.0	-	-	-
117.0	50.0	-	8.0	-	-	-	-	54.4	112.5	-	-	-
117.0	60.0	-	6.0	-	-	-	-	118.0	114.4	-	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
117.0	70.0	0.0	0.0	-	-	-	-	94.7	513.3	-	-	-
117.0	80.0	0.0	51.9	-	-	-	-	282.5	12.6	-	-	-
118.0	39.0	0.0	0.0	-	-	-	-	12.6	12.4	-	-	-
120.0	35.0	0.0	-	4.4	-	-	-	0.0	0.0	-	-	-
120.0	40.0	3.7	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	45.0	5.3	-	0.0	-	-	-	0.0	94.4	-	-	-
120.0	50.0	0.0	-	4.9	-	-	-	88.4	79.4	-	-	-
120.0	60.0	5.2	-	14.3	-	-	-	84.5	189.8	-	-	-
120.0	70.0	0.0	-	9.7	-	-	-	78.7	206.4	-	-	-
120.0	80.0	15.6	-	9.5	-	-	-	120.1	45.0	-	-	-
123.0	36.0	4.6	-	0.0	-	-	-	23.6	0.0	-	-	-
123.0	42.0	0.0	-	-	-	-	-	-	423.3	-	-	-
123.0	45.0	24.0	-	4.6	-	-	-	-	501.3	-	-	-
123.0	50.0	4.8	-	0.0	-	-	-	16.7	62.1	-	-	-
123.0	60.0	10.4	-	25.6	-	-	-	30.3	13.0	-	-	-
127.0	34.0	0.0	-	4.7	-	-	-	0.0	11.0	-	-	-
127.0	40.0	-	-	0.0	-	-	-	67.4	0.0	-	-	-
127.0	45.0	0.0	-	0.0	-	-	-	202.8	152.3	-	-	-
127.0	50.0	18.3	-	39.5	-	-	-	147.0	22.5	-	-	-
127.0	60.0	0.0	-	-	-	-	-	70.3	155.0	-	-	-
130.0	28.0	0.0	-	9.8	-	-	-	0.0	0.0	-	-	-
130.0	35.0	0.0	-	42.4	-	-	-	28.4	224.7	-	-	-
130.0	40.0	5.0	-	10.7	-	-	-	-	147.0	-	-	-
130.0	50.0	0.0	-	82.3	-	-	-	64.0	12.0	-	-	-
130.0	60.0	9.2	-	76.5	-	-	-	24.2	35.0	-	-	-
133.0	23.0	0.0	-	4.9	-	-	-	0.0	0.0	-	-	-
133.0	30.0	0.0	-	49.2	-	-	-	89.6	104.8	-	-	-
133.0	35.0	37.0	-	46.9	-	-	-	118.8	45.8	-	-	-
133.0	40.0	17.9	-	24.1	-	-	-	184.8	5.9	-	-	-
133.0	50.0	5.4	-	146.9	-	-	-	35.4	12.0	-	-	-
133.0	60.0	21.3	-	25.9	-	-	-	18.0	106.7	-	-	-
137.0	30.0	0.0	-	0.0	-	-	-	152.3	5.9	-	-	-
137.0	35.0	10.7	-	47.3	-	-	-	115.1	35.7	-	-	-
137.0	40.0	0.0	-	62.9	-	-	-	5.7	0.0	-	-	-
137.0	50.0	11.0	-	35.4	-	-	-	111.6	45.1	-	-	-
137.0	60.0	5.6	-	10.4	-	-	-	59.1	-	-	-	-

Triphoturus nigrescens

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	150.0	-	-	-	0.0	-	5.3	-	0.0	-	-	-
100.0	100.0	-	-	-	0.0	-	-	-	5.8	-	-	-

TABLE 4. (cont.)

Centrobranchus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	190.0	-	-	-	0.0	-	5.7	-	-	-	-	-
90.0	200.0	-	-	-	0.0	-	5.0	-	-	-	-	-
93.0	160.0	-	-	-	0.0	-	0.0	-	5.3	-	-	-
93.0	170.0	-	-	-	5.3	-	0.0	-	-	-	-	-
93.0	180.0	-	-	-	0.0	-	5.2	-	0.0	-	-	-
93.0	190.0	-	-	-	0.0	-	5.2	-	-	-	-	-

Diogenichthys spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	90.0	0.0	-	0.0	-	5.8	-	0.0	0.0	-	-	-
73.0	90.0	0.0	-	0.0	-	5.7	-	0.0	0.0	-	-	-
80.0	90.0	0.0	-	0.0	-	4.9	-	0.0	0.0	-	-	-
87.0	32.7	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	-	5.4	0.0	-	0.0	0.0	-	-	-
87.0	90.0	0.0	0.0	-	0.0	0.0	-	4.4	0.0	-	-	-
90.0	90.0	0.0	0.0	-	0.0	0.0	0.0	-	5.5	-	-	-
90.0	100.0	16.4	0.0	-	5.0	0.0	0.0	-	5.2	-	-	-
93.0	55.0	5.3	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-
93.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-
97.0	50.0	10.3	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	5.2	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	100.0	-	0.0	-	13.6	-	0.0	-	0.0	-	-	-
103.0	60.0	9.3	0.0	-	-	-	0.0	-	0.0	-	-	-
103.0	70.0	0.0	0.0	-	-	-	2.7	-	0.0	-	-	-
107.0	45.0	14.3	0.0	-	0.0	-	-	-	0.0	-	-	-
107.0	60.0	5.2	0.0	-	-	-	0.0	-	12.1	-	-	-
110.0	35.0	5.8	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	40.0	0.0	0.0	-	0.0	-	0.0	0.0	25.9	-	-	-
110.0	45.0	0.0	0.0	-	0.0	-	0.0	0.0	6.6	-	-	-
113.0	80.0	3.9	0.0	-	0.0	-	0.0	-	0.0	-	-	-
117.0	40.0	8.6	0.0	-	-	-	-	-	0.0	-	-	-
123.0	42.0	4.6	-	-	-	-	-	-	0.0	-	-	-

Diogenichthys atlanticus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	80.0	-	-	-	-	0.0	-	0.0	0.0	-	-	-
60.0	90.0	5.7	-	-	-	0.0	-	4.6	5.7	-	-	-
63.0	50.0	0.0	-	3.6	0.0	-	-	0.0	0.0	-	-	-
67.0	50.0	0.0	-	0.0	0.0	0.0	-	11.2	0.0	-	-	-
67.0	65.0	0.0	-	12.0	-	-	-	0.0	0.0	-	-	-
67.0	80.0	0.0	-	8.3	-	0.0	-	0.0	-	-	-	-
70.0	70.0	0.0	-	0.0	0.0	45.4	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	80.0	0.0	-	4.3	-	26.9	-	0.0	0.0	-	-	-
70.0	90.0	0.0	-	5.6	-	0.0	-	10.2	5.3	-	-	-
73.0	53.0	0.0	-	0.0	0.0	0.0	-	12.4	0.0	-	-	-
73.0	60.0	0.0	-	0.0	0.0	0.0	-	33.2	0.0	-	-	-
73.0	65.0	0.0	-	0.0	0.0	6.1	-	5.1	10.4	-	-	-
73.0	80.0	0.0	-	0.0	-	11.5	-	0.0	0.0	-	-	-
73.0	90.0	0.0	-	0.0	0.0	-	-	5.5	0.0	-	-	-
77.0	65.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
77.0	80.0	0.0	-	0.0	0.0	29.6	-	0.0	0.0	-	-	-
77.0	90.0	0.0	-	0.0	-	6.0	-	21.9	0.0	-	-	-
80.0	55.0	5.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	60.0	10.7	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	80.0	0.0	-	10.0	0.0	0.0	-	11.4	0.0	-	-	-
80.0	80.0	11.3	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	55.0	0.0	-	16.2	0.0	-	-	0.0	0.0	-	-	-
83.0	70.0	0.0	-	0.0	0.0	0.0	-	11.9	0.0	-	-	-
83.0	90.0	0.0	-	4.9	0.0	0.0	-	0.0	0.0	-	-	-
87.0	36.0	0.0	-	5.6	0.0	0.0	-	0.0	0.0	-	-	-
87.0	45.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	0.0	11.2	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	12.1	5.7	0.0	-	0.0	0.0	-	-	-
87.0	80.0	0.0	0.0	0.0	0.0	0.0	-	0.0	5.4	-	-	-
87.0	80.0	0.0	0.0	5.7	0.0	0.0	-	0.0	0.0	-	-	-
87.0	90.0	0.0	0.0	17.9	0.0	0.0	-	0.0	11.0	-	-	-
90.0	31.0	5.1	-	-	-	0.0	-	0.0	0.0	-	-	-
90.0	33.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	53.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	60.0	0.0	-	18.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	80.0	0.0	-	5.9	0.0	0.0	-	0.0	0.0	-	-	-
90.0	80.0	15.9	-	29.1	5.2	0.0	-	0.0	0.0	-	-	-
90.0	90.0	0.0	-	5.9	0.0	0.0	-	0.0	0.0	-	-	-
90.0	90.0	0.0	-	43.8	10.0	0.0	-	0.0	5.2	-	-	-
90.0	100.0	0.0	-	-	20.9	0.0	-	0.0	0.0	-	-	-
90.0	120.0	-	-	-	10.2	0.0	-	0.0	37.3	-	-	-
90.0	130.0	-	-	-	65.0	0.0	-	0.0	0.0	-	-	-
90.0	140.0	-	-	-	130.5	0.0	-	0.0	16.0	-	-	-
90.0	150.0	-	-	-	26.1	0.0	-	0.0	63.1	-	-	-
90.0	160.0	-	-	-	84.6	5.1	-	0.0	67.1	-	-	-
90.0	170.0	-	-	-	53.5	0.0	-	0.0	-	-	-	-
90.0	180.0	-	-	-	44.3	5.0	-	0.0	5.4	-	-	-
90.0	190.0	-	-	-	21.5	11.3	-	0.0	-	-	-	-
90.0	200.0	-	-	-	5.2	0.0	-	0.0	-	-	-	-
93.0	40.0	15.9	0.0	0.0	-	0.0	-	0.0	0.0	-	-	-
93.0	45.0	11.1	0.0	0.0	-	0.0	-	0.0	0.0	-	-	-
93.0	50.0	19.7	0.0	0.0	-	0.0	-	0.0	0.0	-	-	-
93.0	55.0	10.5	7.4	5.2	-	0.0	-	0.0	0.0	-	-	-
93.0	60.0	0.0	32.4	5.3	-	16.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	70.0	0.0	21.8	45.3	-	14.7	5.6	-	0.0	-	-	-
93.0	80.0	9.2	23.2	-	32.7	0.0	0.0	-	0.0	-	-	-
93.0	90.0	0.0	6.3	-	0.0	4.9	0.0	-	10.9	-	-	-
93.0	100.0	5.6	21.9	-	0.0	-	5.2	-	5.6	-	-	-
93.0	110.0	-	-	-	41.3	-	0.0	-	5.4	-	-	-
93.0	120.0	-	-	-	95.4	-	0.0	-	32.0	-	-	-
93.0	130.0	-	-	-	49.0	-	0.0	-	0.0	-	-	-
93.0	140.0	-	-	-	10.8	-	0.0	-	0.0	-	-	-
93.0	150.0	-	-	-	31.6	-	0.0	-	0.0	-	-	-
93.0	160.0	-	-	-	61.4	-	0.0	-	32.6	-	-	-
93.0	170.0	-	-	-	10.5	-	5.0	-	5.3	-	-	-
93.0	180.0	-	-	-	26.9	-	0.0	-	0.0	-	-	-
93.0	190.0	-	-	-	68.6	-	15.5	-	0.0	-	-	-
93.0	200.0	-	-	-	24.8	-	5.2	-	0.0	-	-	-
97.0	32.0	9.4	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	35.0	4.9	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	45.0	10.4	6.0	-	0.0	-	5.2	-	0.0	-	-	-
97.0	50.0	30.8	5.9	-	0.0	-	0.0	-	0.0	-	-	-
97.0	55.0	4.8	10.9	-	0.0	-	11.6	-	0.0	-	-	-
97.0	60.0	5.7	12.1	-	5.3	-	0.0	-	0.0	-	-	-
97.0	70.0	30.0	10.9	-	83.5	-	0.0	-	0.0	-	-	-
97.0	80.0	5.1	23.2	-	87.1	-	0.0	-	0.0	-	-	-
97.0	90.0	19.4	10.8	-	5.3	-	0.0	-	0.0	-	-	-
97.0	100.0	-	-	-	14.0	-	0.0	-	0.0	-	-	-
100.0	30.0	4.8	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	35.0	11.5	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	45.0	0.0	5.3	-	0.0	-	0.0	-	0.0	-	-	-
100.0	50.0	16.4	9.8	-	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	5.7	10.6	-	5.7	-	0.0	-	0.0	-	-	-
100.0	70.0	10.1	77.7	-	-	-	0.0	-	0.0	-	-	-
100.0	80.0	17.5	16.8	-	0.0	-	5.2	-	0.0	-	-	-
100.0	90.0	23.4	29.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	100.0	-	-	-	31.7	-	0.0	-	0.0	-	-	-
103.0	29.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	30.0	8.7	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	45.0	0.0	0.0	-	12.0	-	0.0	-	0.0	-	-	-
103.0	50.0	0.0	5.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	60.0	3.8	10.8	-	-	-	0.0	-	0.0	-	-	-
103.0	70.0	0.0	10.8	-	-	-	0.0	-	0.0	-	-	-
103.0	80.0	5.9	15.2	-	-	-	2.8	-	6.2	-	-	-
107.0	40.0	5.3	5.4	-	0.0	-	0.0	-	0.0	-	-	-
107.0	45.0	9.5	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	50.0	28.0	0.0	-	11.2	-	0.0	-	0.0	-	-	-
107.0	60.0	10.4	21.9	-	-	-	0.0	-	0.0	-	-	-
107.0	70.0	0.0	5.4	-	-	-	2.7	-	0.0	-	-	-
107.0	80.0	-	10.7	-	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

<i>Diogenichthys atlanticus</i> (cont.)												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
107.0	90.0	-	-	-	-	-	5.4	-	0.0	-	-	-
110.0	35.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	40.0	0.0	5.1	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	45.0	0.0	10.1	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	50.0	11.1	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	60.0	11.4	5.2	-	0.0	-	0.0	-	0.0	-	-	-
110.0	70.0	0.0	5.5	-	0.0	-	0.0	-	0.0	-	-	-
110.0	80.0	20.0	5.2	-	0.0	-	0.0	-	0.0	-	-	-
110.0	90.0	-	-	-	-	-	-	-	5.8	-	-	-
113.0	30.0	0.0	0.0	-	0.0	-	-	0.0	5.1	-	-	-
113.0	50.0	5.3	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
113.0	60.0	0.0	0.0	-	0.0	-	0.0	5.2	12.6	-	-	-
113.0	80.0	0.0	0.0	-	-	-	5.1	5.2	11.6	-	-	-
113.0	90.0	-	0.0	-	-	-	-	0.0	5.9	-	-	-
117.0	70.0	0.0	15.3	-	-	-	-	0.0	0.0	-	-	-
120.0	45.0	5.3	-	0.0	-	-	-	0.0	0.0	-	-	-
127.0	45.0	0.0	-	0.0	-	-	-	0.0	5.3	-	-	-
<i>Diogenichthys laternatus</i>												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0	60.0	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	45.0	5.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	70.0	6.0	11.5	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	31.0	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
93.0	26.9	5.3	0.0	0.0	-	0.0	0.0	0.0	-	-	-	-
93.0	35.0	10.9	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	40.0	13.1	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	45.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
97.0	32.0	9.4	0.0	-	0.0	0.0	-	-	0.0	-	-	-
97.0	80.0	0.0	0.0	-	14.5	0.0	-	-	0.0	-	-	-
97.0	100.0	-	-	-	0.0	-	-	-	11.6	-	-	-
100.0	45.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	5.7	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	90.0	0.0	0.0	-	15.5	-	0.0	-	0.0	-	-	-
103.0	35.0	-	5.5	-	0.0	-	0.0	-	0.0	-	-	-
103.0	45.0	-	15.3	-	0.0	-	0.0	-	0.0	-	-	-
103.0	60.0	0.0	21.7	-	-	-	0.0	-	12.0	-	-	-
103.0	80.0	0.0	5.1	-	-	-	2.6	-	0.0	-	-	-
107.0	32.0	16.8	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	35.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	16.2	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	45.0	16.1	5.5	-	0.0	-	0.0	-	0.0	-	-	-
107.0	50.0	34.5	0.0	-	0.0	-	-	-	0.0	-	-	-
107.0	60.0	11.1	5.5	-	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Loweina rara

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	70.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	140.0	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0	190.0	-	-	-	0.0	-	5.7	-	-	-	-	-
90.0	200.0	-	-	-	5.2	-	0.0	-	-	-	-	-
93.0	150.0	-	-	-	0.0	-	4.9	-	0.0	-	-	-
93.0	170.0	-	-	-	5.3	-	0.0	-	-	-	-	-
103.0	80.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	70.0	0.0	0.0	-	-	-	2.7	-	0.0	-	-	-
110.0	70.0	5.3	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0	80.0	0.0	5.2	-	-	-	0.0	-	0.0	-	-	-

Myctophum nitidulum

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	90.0	0.0	-	0.0	-	0.0	-	0.0	5.8	-	-	-
90.0	29.0	5.5	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	80.0	0.0	0.0	-	0.0	0.0	5.3	-	0.0	-	-	-
90.0	110.0	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0	120.0	-	-	-	0.0	-	0.0	-	0.0	-	-	-
90.0	130.0	-	-	-	0.0	-	0.0	-	16.3	-	-	-
90.0	150.0	-	-	-	0.0	-	0.0	-	15.8	-	-	-
90.0	170.0	-	-	-	0.0	-	5.1	-	-	-	-	-
90.0	180.0	-	-	-	0.0	-	5.0	-	0.0	-	-	-
93.0	55.0	0.0	7.4	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	110.0	-	-	-	0.0	-	5.4	-	21.8	-	-	-
93.0	120.0	-	-	-	5.3	-	0.0	-	0.0	-	-	-
93.0	130.0	-	-	-	5.4	-	0.0	-	0.0	-	-	-
93.0	140.0	-	-	-	21.6	-	4.7	-	5.4	-	-	-
93.0	150.0	-	-	-	0.0	-	0.0	-	10.9	-	-	-
93.0	160.0	-	-	-	0.0	-	10.0	-	0.0	-	-	-
93.0	190.0	-	-	-	0.0	-	5.2	-	-	-	-	-
97.0	50.0	10.3	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	55.0	0.0	10.9	-	0.0	-	0.0	-	0.0	-	-	-
97.0	80.0	0.0	0.0	-	0.0	5.0	0.0	-	0.0	-	-	-
97.0	100.0	-	-	-	0.0	-	-	-	5.8	-	-	-
100.0	60.0	0.0	5.7	-	0.0	-	0.0	-	0.0	-	-	-
100.0	70.0	4.6	0.0	-	-	-	5.1	-	0.0	-	-	-
100.0	80.0	2.9	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	90.0	2.6	5.8	-	0.0	-	0.0	-	0.0	-	-	-
103.0	60.0	0.0	4.7	-	-	-	2.8	-	0.0	-	-	-
103.0	70.0	4.3	0.0	-	-	-	5.5	-	0.0	-	-	-
103.0	80.0	8.4	25.4	-	-	-	0.0	-	0.0	-	-	-
107.0	35.0	9.3	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	50.0	4.7	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	60.0	10.4	0.0	-	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Myctophum nitidulum (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
107.0	70.0	6.2	5.4	-	-	-	0.0	-	0.0	-	-	-
107.0	80.0	0.0	0.0	-	-	-	5.5	-	0.0	-	-	-
107.0	90.0	-	-	-	-	-	10.8	-	11.4	-	-	-
110.0	40.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	-
110.0	60.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0	70.0	15.8	0.0	-	-	-	0.0	-	5.9	-	-	-
110.0	80.0	5.0	5.2	-	-	-	5.4	-	0.0	-	-	-
113.0	35.0	4.3	0.0	-	-	-	-	-	0.0	-	-	-
113.0	50.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	-
113.0	60.0	9.2	0.0	-	-	-	0.0	0.0	0.0	-	-	-
113.0	70.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
113.0	80.0	4.8	0.0	-	-	-	0.0	-	0.0	-	-	-
117.0	50.0	3.9	0.0	-	-	-	0.0	0.0	0.0	-	-	-
117.0	50.0	8.0	0.0	-	-	-	-	0.0	0.0	-	-	-
120.0	50.0	0.0	-	4.9	-	-	-	0.0	0.0	-	-	-
120.0	70.0	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-
120.0	80.0	0.0	-	9.5	-	-	-	5.7	0.0	-	-	-
123.0	42.0	0.0	-	-	-	-	-	-	5.6	-	-	-
123.0	45.0	0.0	-	0.0	-	-	-	-	6.0	-	-	-
127.0	60.0	0.0	-	-	-	-	-	5.9	0.0	-	-	-
130.0	40.0	0.0	-	0.0	-	-	-	-	6.4	-	-	-
130.0	60.0	4.6	-	0.0	-	-	-	0.0	0.0	-	-	-
133.0	60.0	5.3	-	0.0	-	-	-	0.0	0.0	-	-	-

Protomyctophum crockeri

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	0.0	-	0.0	0.0	18.2	-	0.0	0.0	-	-	-
60.0	60.0	0.0	-	0.0	0.0	19.8	-	0.0	22.2	-	-	-
60.0	65.0	0.0	-	-	-	-	-	10.9	0.0	-	-	-
60.0	70.0	6.1	-	0.0	-	0.0	-	0.0	11.6	-	-	-
60.0	80.0	22.9	-	-	-	0.0	-	0.0	0.0	-	-	-
60.0	90.0	-	-	-	-	10.7	-	9.2	0.0	-	-	-
63.0	55.0	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	65.0	0.0	-	9.5	-	-	-	0.0	11.1	-	-	-
63.0	70.0	0.0	-	0.0	-	10.5	-	0.0	0.0	-	-	-
63.0	80.0	0.0	-	-	-	18.6	-	0.0	-	-	-	-
63.0	90.0	-	-	-	-	9.9	-	0.0	0.0	-	-	-
67.0	50.0	0.0	-	12.9	0.0	0.0	-	0.0	0.0	-	-	-
67.0	55.0	0.0	-	13.1	0.0	0.0	-	0.0	0.0	-	-	-
67.0	60.0	0.0	-	14.7	0.0	0.0	-	0.0	0.0	-	-	-
67.0	65.0	0.0	-	12.0	0.0	-	-	0.0	0.0	-	-	-
67.0	70.0	0.0	-	0.0	-	52.9	-	0.0	11.0	-	-	-
67.0	80.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-	-
67.0	90.0	0.0	-	16.5	-	0.0	-	0.0	0.0	-	-	-
67.0	90.0	0.0	-	10.4	0.0	11.9	-	5.6	0.0	-	-	-
70.0	53.0	0.0	-	0.0	0.0	0.0	-	20.1	0.0	-	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	60.0	0.0	-	0.0	0.0	0.0	-	10.7	0.0	-	-	-
70.0	70.0	23.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
70.0	80.0	24.4	-	0.0	-	16.2	-	11.3	22.0	-	-	-
70.0	90.0	0.0	-	0.0	-	5.8	-	15.3	0.0	-	-	-
73.0	53.0	0.0	-	0.0	20.4	48.1	-	0.0	0.0	-	-	-
73.0	60.0	0.0	-	0.0	0.0	6.1	-	11.1	9.7	-	-	-
73.0	65.0	0.0	-	0.0	10.7	-	-	10.3	0.0	-	-	-
73.0	70.0	0.0	-	0.0	0.0	0.0	-	19.9	0.0	-	-	-
73.0	80.0	12.1	-	0.0	-	0.0	-	0.0	0.0	-	-	-
73.0	90.0	17.1	-	14.9	-	5.7	-	0.0	5.5	-	-	-
77.0	51.0	10.3	-	0.0	0.0	14.4	-	0.0	0.0	-	-	-
77.0	55.0	0.0	-	10.2	0.0	0.0	-	34.0	0.0	-	-	-
77.0	60.0	22.3	-	0.0	10.6	0.0	-	19.6	0.0	-	-	-
77.0	70.0	0.0	-	11.1	12.5	0.0	-	0.0	0.0	-	-	-
77.0	80.0	5.5	-	0.0	-	5.9	-	0.0	0.0	-	-	-
77.0	90.0	5.4	-	16.5	-	6.0	-	5.5	0.0	-	-	-
80.0	60.0	0.0	-	30.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	70.0	0.0	-	35.6	10.8	0.0	-	0.0	0.0	-	-	-
80.0	80.0	11.3	-	0.0	-	0.0	-	0.0	0.0	-	-	-
80.0	90.0	0.0	-	16.3	-	4.9	-	0.0	0.0	-	-	-
83.0	55.0	10.3	-	0.0	11.4	-	-	0.0	0.0	-	-	-
83.0	60.0	5.2	-	9.8	19.0	34.3	-	0.0	0.0	-	-	-
83.0	70.0	5.4	-	10.0	0.0	0.0	-	0.0	10.5	-	-	-
83.0	80.0	5.4	-	5.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	90.0	0.0	-	0.0	-	0.0	-	4.6	17.3	-	-	-
87.0	35.0	0.0	-	6.4	0.0	0.0	-	0.0	0.0	-	-	-
87.0	36.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	40.0	0.0	-	11.6	0.0	0.0	-	0.0	0.0	-	-	-
87.0	45.0	0.0	-	0.0	9.9	0.0	-	0.0	0.0	-	-	-
87.0	50.0	0.0	-	0.0	0.0	0.0	-	0.0	4.9	-	-	-
87.0	55.0	9.8	-	4.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	60.0	12.6	-	20.5	0.0	0.0	-	0.0	0.0	-	-	-
87.0	70.0	6.0	-	5.2	17.0	21.2	-	0.0	0.0	-	-	-
87.0	80.0	0.0	-	10.6	16.2	20.5	-	0.0	10.8	-	-	-
87.0	90.0	0.0	-	5.1	-	5.0	-	0.0	11.1	-	-	-
90.0	28.0	11.5	-	0.0	0.0	10.3	-	4.4	5.5	-	-	-
90.0	29.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	30.0	0.0	-	0.0	10.8	0.0	-	0.0	0.0	-	-	-
90.0	31.0	9.7	-	5.8	12.7	0.0	-	0.0	0.0	-	-	-
90.0	33.0	10.6	-	12.0	0.0	0.0	-	10.0	12.0	-	-	-
90.0	37.0	0.0	-	0.0	11.3	0.0	-	0.0	0.0	-	-	-
90.0	53.0	18.3	-	0.0	10.7	0.0	-	-	0.0	-	-	-
90.0	60.0	0.0	-	0.0	38.3	0.0	-	-	5.7	-	-	-
90.0	70.0	0.0	-	37.2	9.1	26.0	-	-	0.0	-	-	-
90.0	80.0	10.3	-	5.1	41.7	16.0	-	-	0.0	-	-	-
90.0	90.0	0.0	-	0.0	5.2	0.0	-	-	0.0	-	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	100.0	-	-	-	-	-	0.0	-	0.0	-	-	-
90.0	110.0	10.9	0.0	-	25.1	-	0.0	-	0.0	-	-	-
90.0	120.0	-	-	-	31.3	-	0.0	-	5.3	-	-	-
90.0	130.0	-	-	-	5.1	-	5.6	-	0.0	-	-	-
90.0	140.0	-	-	-	5.0	-	10.8	-	0.0	-	-	-
90.0	150.0	-	-	-	10.4	-	0.0	-	0.0	-	-	-
90.0	160.0	-	-	-	15.7	-	5.3	-	0.0	-	-	-
93.0	28.0	-	-	-	42.3	-	10.2	-	0.0	-	-	-
93.0	29.0	0.0	5.9	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	30.0	10.9	6.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	35.0	0.0	25.3	18.0	-	0.0	0.0	-	0.0	-	-	-
93.0	40.0	0.0	10.2	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	45.0	5.3	22.6	0.0	-	0.0	22.2	-	0.0	-	-	-
93.0	50.0	11.1	12.3	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	55.0	0.0	36.7	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	22.3	5.2	-	9.5	0.0	-	11.4	-	-	-
93.0	70.0	11.8	43.2	26.4	-	31.9	21.2	-	0.0	-	-	-
93.0	80.0	23.0	32.7	5.0	-	19.6	28.1	-	5.9	-	-	-
93.0	100.0	26.5	12.7	-	-	25.8	0.0	-	0.0	-	-	-
93.0	110.0	5.6	43.8	-	-	9.8	0.0	-	0.0	-	-	-
93.0	120.0	-	-	-	-	-	0.0	-	5.4	-	-	-
93.0	130.0	-	-	-	58.3	-	10.4	-	16.0	-	-	-
93.0	140.0	-	-	-	10.9	-	0.0	-	5.5	-	-	-
93.0	150.0	-	-	-	5.4	-	0.0	-	5.4	-	-	-
93.0	160.0	-	-	-	52.7	-	9.9	-	0.0	-	-	-
93.0	180.0	-	-	-	15.4	-	0.0	-	0.0	-	-	-
97.0	32.0	-	-	-	10.8	-	0.0	-	0.0	-	-	-
97.0	35.0	0.0	0.0	-	0.0	-	11.1	-	0.0	-	-	-
97.0	40.0	14.8	5.7	-	18.0	-	9.3	-	0.0	-	-	-
97.0	45.0	5.5	10.3	-	0.0	-	6.2	-	12.5	-	-	-
97.0	50.0	0.0	24.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	55.0	10.3	0.0	-	5.1	-	5.8	-	0.0	-	-	-
97.0	60.0	28.9	21.9	-	0.0	-	5.7	-	11.6	-	-	-
97.0	70.0	17.0	36.2	-	0.0	-	19.0	-	0.0	-	-	-
97.0	80.0	5.0	21.8	-	34.4	-	19.8	-	0.0	-	-	-
97.0	90.0	0.0	23.2	-	4.8	10.0	-	-	0.0	-	-	-
97.0	100.0	4.9	21.6	-	0.0	0.0	-	-	0.0	-	-	-
100.0	29.0	-	-	-	4.7	-	-	-	0.0	-	-	-
100.0	30.0	0.0	0.0	-	0.0	-	4.4	-	0.0	-	-	-
100.0	35.0	0.0	5.3	-	0.0	-	0.0	-	0.0	-	-	-
100.0	40.0	0.0	15.2	-	21.1	-	0.0	-	0.0	-	-	-
100.0	45.0	9.6	10.8	-	12.0	-	5.0	-	0.0	-	-	-
100.0	50.0	30.2	16.0	-	0.0	-	19.4	-	0.0	-	-	-
100.0	60.0	0.0	39.4	-	0.0	-	19.4	-	0.0	-	-	-
100.0	70.0	10.6	5.7	-	11.3	-	5.5	-	0.0	-	-	-
100.0	80.0	13.7	15.7	-	-	-	10.2	-	6.1	-	-	-

TABLE 4. (cont.)

		<i>Protomyctophum crockeri</i> (cont.)											
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	
100.0	8.7	41.7	5.6	-	10.0	-	0.0	-	0.0	-	-	-	
100.0	0.0	0.0	17.4	-	15.5	-	0.0	-	0.0	-	-	-	
100.0	100.0	-	-	-	27.2	-	-	-	-	-	-	-	
103.0	3.2	-	11.0	-	13.3	-	0.0	-	0.0	-	-	-	
103.0	0.0	-	11.1	-	10.5	-	0.0	-	0.0	-	-	-	
103.0	0.0	-	15.3	-	84.2	-	0.0	-	26.0	-	-	-	
103.0	0.0	19.0	14.9	-	10.5	-	0.0	-	0.0	-	-	-	
103.0	0.0	9.3	32.5	-	-	-	0.0	-	0.0	-	-	-	
103.0	14.8	21.5	0.0	-	-	-	2.7	-	0.0	-	-	-	
103.0	5.6	14.2	10.2	-	-	-	0.0	-	0.0	-	-	-	
107.0	0.0	0.0	37.7	-	0.0	-	0.0	0.0	0.0	-	-	-	
107.0	5.6	4.2	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-	
107.0	0.0	0.0	49.4	-	11.0	-	0.0	0.0	0.0	-	-	-	
107.0	5.4	10.7	10.8	-	8.2	-	0.0	-	6.8	-	-	-	
107.0	15.6	9.5	11.1	-	0.0	-	0.0	-	0.0	-	-	-	
107.0	11.5	4.7	59.9	-	11.2	-	0.0	-	11.0	-	-	-	
107.0	11.1	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-	
107.0	-	36.9	10.9	-	-	-	0.0	-	0.0	-	-	-	
107.0	-	21.4	5.4	-	-	-	5.9	-	0.0	-	-	-	
107.0	-	-	-	-	-	-	5.4	-	0.0	-	-	-	
110.0	0.0	11.5	0.0	-	0.0	-	10.9	9.9	0.0	-	-	-	
110.0	4.9	28.5	10.2	-	0.0	-	11.4	15.8	0.0	-	-	-	
110.0	21.0	26.9	20.2	-	22.2	-	0.0	-	0.0	-	-	-	
110.0	5.4	11.1	5.3	-	0.0	-	16.2	0.0	0.0	-	-	-	
110.0	0.0	11.4	25.9	-	-	-	0.0	-	48.2	-	-	-	
110.0	-	10.5	21.9	-	-	-	0.0	-	0.0	-	-	-	
110.0	-	10.0	5.2	-	-	-	5.4	-	0.0	-	-	-	
110.0	20.6	0.0	10.2	-	11.4	-	-	-	0.0	-	-	-	
113.0	0.0	0.0	5.3	-	11.6	-	-	-	0.0	-	-	-	
113.0	0.0	4.2	15.8	-	0.0	-	-	-	0.0	-	-	-	
113.0	9.2	10.7	5.3	-	0.0	-	10.8	5.5	0.0	-	-	-	
113.0	5.3	8.8	26.5	-	-	-	0.0	0.0	0.0	-	-	-	
113.0	-	0.0	32.5	-	-	-	0.0	-	0.0	-	-	-	
113.0	-	3.9	32.2	-	-	-	5.1	-	5.8	-	-	-	
113.0	-	-	-	-	-	-	-	5.1	0.0	-	-	-	
117.0	-	0.0	5.8	-	-	-	-	0.0	0.0	-	-	-	
117.0	-	0.0	5.7	-	-	-	-	10.9	5.3	-	-	-	
117.0	-	4.0	0.0	-	-	-	-	0.0	0.0	-	-	-	
117.0	-	4.5	6.0	-	-	-	-	0.0	5.7	-	-	-	
117.0	-	7.8	5.1	-	-	-	-	0.0	0.0	-	-	-	
117.0	-	0.0	11.5	-	-	-	-	0.0	0.0	-	-	-	
117.0	-	0.0	-	-	-	-	-	19.6	5.6	-	-	-	
120.0	-	31.2	-	0.0	-	-	-	5.6	18.3	-	-	-	
120.0	-	5.2	-	0.0	-	-	-	0.0	0.0	-	-	-	
120.0	-	0.0	-	4.9	-	-	-	5.6	0.0	-	-	-	
120.0	-	0.0	-	4.9	-	-	-	11.1	0.0	-	-	-	
123.0	-	0.0	-	-	-	-	-	-	-	-	-	-	

TABLE 4. (cont.)

<i>Protomyctophum crockeri</i> (cont.)												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
127.0	45.0	0.0	-	0.0	-	-	-	0.0	5.3	-	-	-
127.0	50.0	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-
127.0	60.0	0.0	-	-	-	-	-	0.0	6.2	-	-	-
130.0	50.0	5.1	-	0.0	-	-	-	11.6	0.0	-	-	-
133.0	40.0	0.0	-	0.0	-	-	-	6.2	0.0	-	-	-
133.0	50.0	0.0	-	0.0	-	-	-	5.9	6.0	-	-	-
133.0	60.0	0.0	-	0.0	-	-	-	0.0	5.9	-	-	-
<i>Symbolophorus californiensis</i>												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	0.0	-	0.0	0.0	0.0	-	0.0	13.0	-	-	-
60.0	90.0	-	-	-	-	0.0	-	4.6	5.7	-	-	-
63.0	70.0	0.0	-	0.0	-	0.0	-	0.0	11.3	-	-	-
63.0	90.0	-	-	-	-	0.0	-	0.0	5.6	-	-	-
67.0	80.0	0.0	-	16.5	-	12.2	-	0.0	-	-	-	-
67.0	90.0	0.0	-	0.0	-	0.0	-	0.0	5.5	-	-	-
70.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	10.5	-	-	-
70.0	70.0	0.0	-	0.0	0.0	39.7	-	0.0	11.2	-	-	-
70.0	80.0	0.0	-	0.0	-	21.6	-	0.0	0.0	-	-	-
70.0	90.0	0.0	-	0.0	-	17.3	-	0.0	10.6	-	-	-
73.0	53.0	0.0	-	0.0	0.0	0.0	-	37.3	0.0	-	-	-
73.0	60.0	0.0	-	0.0	0.0	36.8	-	22.2	9.7	-	-	-
73.0	65.0	0.0	-	0.0	0.0	-	-	25.7	0.0	-	-	-
73.0	70.0	0.0	-	0.0	10.4	-	-	34.7	11.2	-	-	-
73.0	80.0	0.0	-	0.0	-	12.1	-	15.3	0.0	-	-	-
73.0	90.0	0.0	-	5.0	-	0.0	-	14.7	0.0	-	-	-
77.0	60.0	0.0	-	0.0	0.0	0.0	-	19.6	0.0	-	-	-
77.0	70.0	0.0	-	0.0	0.0	0.0	-	10.6	0.0	-	-	-
77.0	90.0	0.0	-	0.0	-	6.0	-	82.2	10.8	-	-	-
80.0	80.0	5.4	-	0.0	-	0.0	-	0.0	11.7	-	-	-
80.0	90.0	0.0	-	0.0	-	14.7	-	10.2	0.0	-	-	-
83.0	70.0	0.0	-	0.0	0.0	10.3	-	11.9	0.0	-	-	-
83.0	80.0	0.0	-	0.0	-	5.1	-	0.0	0.0	-	-	-
83.0	90.0	0.0	-	12.7	-	0.0	-	0.0	23.1	-	-	-
87.0	35.0	0.0	-	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	0.0	6.0	-	23.9	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	-	0.0	5.1	-	0.0	0.0	-	-	-
87.0	80.0	0.0	0.0	-	0.0	10.0	-	0.0	10.8	-	-	-
87.0	90.0	0.0	6.0	-	-	0.0	-	0.0	5.6	-	-	-
90.0	53.0	0.0	0.0	-	5.3	0.0	0.0	-	11.0	-	-	-
90.0	60.0	11.0	0.0	-	4.8	0.0	0.0	-	0.0	-	-	-
90.0	70.0	0.0	11.7	-	9.1	5.2	0.0	-	0.0	-	-	-
90.0	80.0	0.0	11.6	-	0.0	0.0	0.0	-	5.4	-	-	-
90.0	90.0	0.0	0.0	-	0.0	0.0	5.4	-	0.0	-	-	-

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	100.0	0.0	0.0	-	5.0	-	10.7	-	10.3	-	-	-
90.0	110.0	-	-	-	36.5	-	5.5	-	5.3	-	-	-
90.0	120.0	-	-	-	35.6	-	0.0	-	42.6	-	-	-
90.0	130.0	-	-	-	15.0	-	5.6	-	10.8	-	-	-
90.0	140.0	-	-	-	10.4	-	0.0	-	10.7	-	-	-
90.0	150.0	-	-	-	10.5	-	5.3	-	0.0	-	-	-
93.0	50.0	4.9	18.4	16.3	-	0.0	0.0	-	0.0	-	-	-
93.0	55.0	0.0	0.0	15.6	-	9.5	40.3	-	0.0	-	-	-
93.0	60.0	0.0	5.4	0.0	-	21.3	5.3	-	0.0	-	-	-
93.0	70.0	3.9	16.4	10.1	-	19.6	0.0	-	0.0	-	-	-
93.0	80.0	4.6	0.0	-	23.4	51.5	10.1	-	29.8	-	-	-
93.0	90.0	0.0	0.0	-	0.0	0.0	5.1	-	5.4	-	-	-
93.0	100.0	11.2	11.0	-	0.0	-	5.2	-	16.7	-	-	-
93.0	120.0	-	-	-	0.0	-	0.0	-	10.7	-	-	-
93.0	130.0	-	-	-	0.0	-	0.0	-	5.5	-	-	-
97.0	35.0	0.0	0.0	-	9.0	-	0.0	-	0.0	-	-	-
97.0	45.0	0.0	12.0	-	18.4	-	0.0	-	0.0	-	-	-
97.0	50.0	0.0	17.8	-	5.1	-	0.0	-	0.0	-	-	-
97.0	55.0	4.8	32.8	-	10.7	-	0.0	-	0.0	-	-	-
97.0	60.0	0.0	30.2	-	16.8	-	5.7	-	0.0	-	-	-
97.0	70.0	25.0	0.0	-	58.9	-	4.5	-	11.9	-	-	-
97.0	80.0	15.2	0.0	-	24.2	15.0	14.9	-	0.0	-	-	-
97.0	90.0	9.7	10.8	-	4.7	5.0	-	-	0.0	-	-	-
97.0	100.0	-	-	-	4.7	-	-	-	0.0	-	-	-
100.0	40.0	4.8	5.4	-	0.0	-	0.0	-	0.0	-	-	-
100.0	50.0	0.0	14.8	-	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	10.6	5.7	-	17.0	-	11.0	-	0.0	-	-	-
100.0	70.0	45.7	5.2	-	-	-	5.1	-	0.0	-	-	-
100.0	80.0	13.9	11.2	-	15.0	-	5.2	-	5.6	-	-	-
100.0	90.0	0.0	23.2	-	31.0	-	0.0	-	0.0	-	-	-
100.0	100.0	7.8	-	-	4.5	-	-	-	0.0	-	-	-
103.0	40.0	-	0.0	-	10.5	-	13.5	-	0.0	-	-	-
103.0	50.0	0.0	0.0	-	10.5	-	4.9	-	0.0	-	-	-
103.0	60.0	14.0	0.0	-	-	-	0.0	-	0.0	-	-	-
103.0	70.0	25.8	15.2	-	-	-	0.0	-	0.0	-	-	-
103.0	80.0	42.7	5.1	-	-	-	0.0	-	0.0	-	-	-
107.0	35.0	0.0	5.5	-	11.0	-	0.0	0.0	10.4	-	-	-
107.0	45.0	4.8	5.5	-	0.0	-	-	-	0.0	-	-	-
107.0	50.0	4.7	39.9	-	0.0	-	0.0	-	0.0	-	-	-
107.0	60.0	0.0	5.5	-	0.0	-	0.0	-	0.0	-	-	-
107.0	70.0	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-
107.0	80.0	0.0	32.2	-	-	-	0.0	-	0.0	-	-	-
110.0	35.0	0.0	5.3	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	45.0	0.0	0.0	-	11.1	-	0.0	-	0.0	-	-	-
110.0	60.0	5.7	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0	70.0	0.0	5.5	-	-	-	0.0	-	11.8	-	-	-

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	80.0	5.0	0.0	-	-	-	0.0	-	0.0	-	-	-
113.0	35.0	0.0	10.2	0.0	-	-	-	-	0.0	-	-	-
113.0	40.0	0.0	5.3	0.0	-	-	10.8	5.6	0.0	-	-	-
113.0	50.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0	-	-	-
113.0	70.0	0.0	5.4	-	-	-	0.0	-	6.0	-	-	-
113.0	80.0	0.0	0.0	-	-	-	0.0	-	5.8	-	-	-
117.0	60.0	4.5	0.0	-	-	-	-	0.0	0.0	-	-	-
117.0	70.0	0.0	5.1	-	-	-	-	0.0	0.0	-	-	-
120.0	60.0	0.0	-	0.0	-	-	-	11.3	0.0	-	-	-
127.0	60.0	0.0	-	-	-	-	-	0.0	6.2	-	-	-

Tarletonbeania crenularis

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	0.0	-	0.0	0.0	0.0	-	0.0	13.0	-	-	-
60.0	60.0	0.0	-	0.0	0.0	0.0	-	43.2	22.2	-	-	-
60.0	65.0	0.0	-	-	-	-	-	10.9	32.2	-	-	-
60.0	70.0	0.0	-	0.0	-	0.0	-	22.6	34.8	-	-	-
60.0	80.0	11.5	-	-	-	0.0	-	0.0	10.9	-	-	-
60.0	90.0	-	-	-	-	0.0	-	4.6	0.0	-	-	-
63.0	52.0	0.0	-	0.0	0.0	0.0	-	0.0	11.0	-	-	-
63.0	55.0	11.1	-	0.0	0.0	0.0	-	10.6	0.0	-	-	-
63.0	60.0	0.0	-	0.0	0.0	0.0	-	10.6	10.9	-	-	-
63.0	65.0	10.7	-	0.0	0.0	-	-	25.0	11.1	-	-	-
63.0	70.0	24.4	-	0.0	-	0.0	-	11.3	22.6	-	-	-
63.0	80.0	0.0	-	-	-	0.0	-	10.3	-	-	-	-
63.0	90.0	-	-	-	-	0.0	-	5.4	0.0	-	-	-
66.0	49.0	0.0	-	0.0	0.0	-	-	0.0	9.7	-	-	-
67.0	50.0	0.0	-	0.0	0.0	0.0	-	33.7	0.0	-	-	-
67.0	55.0	0.0	13.1	0.0	0.0	0.0	-	0.0	10.3	-	-	-
67.0	60.0	0.0	-	0.0	0.0	0.0	-	11.6	9.9	-	-	-
67.0	65.0	0.0	-	0.0	0.0	-	-	22.2	11.7	-	-	-
67.0	70.0	0.0	-	0.0	-	0.0	-	0.0	76.9	-	-	-
67.0	80.0	0.0	-	0.0	-	0.0	-	11.9	-	-	-	-
67.0	85.0	0.0	-	0.0	0.0	0.0	-	10.5	0.0	-	-	-
70.0	51.0	0.0	-	0.0	0.0	0.0	-	20.1	0.0	-	-	-
70.0	53.0	0.0	-	0.0	0.0	0.0	-	9.7	0.0	-	-	-
70.0	65.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
70.0	70.0	11.9	-	10.5	0.0	0.0	-	0.0	11.2	-	-	-
70.0	80.0	12.2	-	0.0	0.0	0.0	-	11.3	0.0	-	-	-
73.0	50.0	0.0	-	0.0	9.5	0.0	-	21.6	0.0	-	-	-
73.0	53.0	0.0	-	0.0	20.4	12.0	-	24.9	0.0	-	-	-
73.0	60.0	10.8	-	0.0	0.0	0.0	-	0.0	19.3	-	-	-
73.0	70.0	8.6	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	80.0	0.0	-	0.0	-	0.0	-	0.0	22.0	-	-	-
73.0	90.0	0.0	-	5.0	-	0.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

<i>Tarletonbeania crenularis</i> (cont.)												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
77.0	55.0	0.0	-	0.0	0.0	25.0	-	11.3	0.0	-	-	-
77.0	60.0	0.0	-	0.0	0.0	0.0	-	19.6	22.9	-	-	-
77.0	65.0	0.0	-	11.0	0.0	-	-	0.0	10.5	-	-	-
77.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	10.9	-	-	-
77.0	80.0	0.0	-	11.1	0.0	0.0	-	0.0	0.0	-	-	-
80.0	70.0	0.0	-	0.0	0.0	0.0	-	10.9	0.0	-	-	-
80.0	80.0	0.0	-	0.0	0.0	0.0	-	22.8	11.7	-	-	-
80.0	90.0	0.0	-	0.0	0.0	0.0	-	0.0	22.8	-	-	-
83.0	80.0	0.0	-	0.0	0.0	0.0	-	18.4	23.6	-	-	-
83.0	90.0	0.0	-	0.0	0.0	0.0	-	9.6	0.0	-	-	-
87.0	55.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	11.5	-	-	-
90.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	5.4	-	-	-
90.0	80.0	0.0	-	0.0	0.0	0.0	-	0.0	5.2	-	-	-
90.0	100.0	0.0	-	0.0	0.0	0.0	-	0.0	5.3	-	-	-
93.0	50.0	0.0	-	0.0	0.0	0.0	-	11.1	0.0	-	-	-
93.0	60.0	0.0	-	0.0	0.0	0.0	-	5.3	5.2	-	-	-
93.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	5.4	-	-	-
97.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	11.9	-	-	-

<i>Synodus</i> spp.												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	52.0	6.2	-	0.0	0.0	-	-	0.0	0.0	-	-	-
82.0	47.0	0.0	-	0.0	0.0	-	-	0.0	11.8	-	-	-
87.0	32.5	3.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	33.0	4.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
93.0	26.9	4.9	-	0.0	0.0	0.0	0.0	0.0	-	-	-	-
103.0	80.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
107.0	31.0	9.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
107.0	32.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
107.0	35.0	5.4	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
110.0	32.4	4.4	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
113.0	35.0	25.7	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
117.0	25.0	0.0	-	0.0	0.0	0.0	0.0	0.0	5.7	-	-	-
117.0	40.0	4.3	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
120.0	25.0	0.0	-	0.0	0.0	0.0	0.0	0.0	5.4	-	-	-
130.0	28.0	0.0	-	0.0	0.0	0.0	0.0	0.0	4.7	-	-	-
133.0	23.0	10.1	-	0.0	0.0	0.0	0.0	0.0	6.1	-	-	-
133.0	25.0	5.2	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
133.0	30.0	0.0	-	0.0	0.0	0.0	0.0	0.0	5.2	-	-	-
137.0	30.0	11.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-

TABLE 4. (cont.)

STATION	<i>Merluccius productus</i>											
	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	0.0	10.7	0.0	-	0.0	0.0	-	-	-
60.0	55.0	0.0	-	11.0	0.0	0.0	-	0.0	0.0	-	-	-
60.0	60.0	21.4	-	11.0	0.0	0.0	-	0.0	0.0	-	-	-
60.0	65.0	1973.5	-	-	-	-	-	0.0	0.0	-	-	-
63.0	50.0	0.0	-	10.8	9.0	0.0	-	0.0	0.0	-	-	-
63.0	52.0	0.0	-	93.8	9.5	0.0	-	0.0	0.0	-	-	-
63.0	55.0	3288.2	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	60.0	176.6	-	10.2	0.0	0.0	-	0.0	0.0	-	-	-
63.0	65.0	277.5	-	0.0	-	0.0	-	0.0	0.0	-	-	-
63.0	70.0	0.0	-	11.5	-	0.0	-	0.0	0.0	-	-	-
66.0	49.0	0.0	-	14.5	0.0	0.0	-	0.0	0.0	-	-	-
67.0	50.0	0.0	-	25.7	0.0	0.0	-	0.0	0.0	-	-	-
67.0	55.0	9.9	-	65.7	0.0	0.0	-	0.0	0.0	-	-	-
67.0	60.0	0.0	-	44.0	44.2	0.0	-	0.0	0.0	-	-	-
67.0	65.0	90.0	-	132.2	-	-	-	0.0	0.0	-	-	-
67.0	70.0	188.0	-	69.9	-	0.0	-	11.5	0.0	-	-	-
70.0	51.0	9.4	-	10.8	0.0	23.2	-	0.0	0.0	-	-	-
70.0	53.0	10.1	-	120.8	0.0	24.5	-	0.0	0.0	-	-	-
70.0	60.0	31.2	-	64.7	23.0	12.4	-	0.0	0.0	-	-	-
70.0	65.0	174.4	-	20.7	0.0	-	-	9.7	0.0	-	-	-
70.0	70.0	202.3	-	52.6	0.0	0.0	-	0.0	0.0	-	-	-
70.0	90.0	0.0	-	77.7	-	0.0	-	0.0	0.0	-	-	-
73.0	50.0	73.6	-	265.8	0.0	60.0	-	0.0	0.0	-	-	-
73.0	53.0	6273.7	-	241.9	0.0	12.0	-	0.0	0.0	-	-	-
73.0	60.0	1483.5	-	2145.9	464.9	0.0	-	0.0	0.0	-	-	-
73.0	65.0	22.0	-	796.6	0.0	-	-	0.0	0.0	-	-	-
73.0	70.0	17.1	-	0.0	0.0	116.1	-	0.0	0.0	-	-	-
73.0	80.0	0.0	-	10.7	-	0.0	-	0.0	0.0	-	-	-
73.0	90.0	0.0	-	1090.6	-	0.0	-	0.0	0.0	-	-	-
77.0	51.0	62.0	-	120.1	0.0	14.4	-	22.4	0.0	-	-	-
77.0	55.0	117.6	-	417.9	0.0	0.0	-	34.0	0.0	-	-	-
77.0	60.0	0.0	-	1457.4	10.6	13.4	-	0.0	0.0	-	-	-
77.0	65.0	0.0	-	779.7	11.0	-	-	0.0	0.0	-	-	-
77.0	70.0	0.0	-	200.5	25.1	11.9	-	0.0	0.0	-	-	-
77.0	80.0	0.0	-	656.2	-	0.0	-	0.0	0.0	-	-	-
77.0	90.0	0.0	-	38.4	-	0.0	-	0.0	0.0	-	-	-
80.0	51.0	46.0	-	49.6	0.0	0.0	-	0.0	0.0	-	-	-
80.0	52.0	123.2	-	77.7	0.0	0.0	-	0.0	0.0	-	-	-
80.0	55.0	0.0	-	299.4	0.0	0.0	-	0.0	0.0	-	-	-
80.0	60.0	0.0	-	2380.0	12.1	0.0	-	0.0	0.0	-	-	-
80.0	70.0	0.0	-	8.9	32.3	37.4	-	0.0	0.0	-	-	-
80.0	80.0	0.0	-	0.0	-	10.4	-	0.0	0.0	-	-	-
82.0	47.0	139.1	-	106.9	0.0	-	-	0.0	0.0	-	-	-
83.0	42.0	76.2	-	31.8	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	45.8	-	59.6	0.0	-	-	0.0	0.0	-	-	-
83.0	55.0	119.8	-	307.0	206.0	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	60.0	0.0	-	19.6	9.5	42.9	-	0.0	0.0	-	-	-
83.0	70.0	0.0	-	129.5	41.3	0.0	-	0.0	0.0	-	-	-
83.0	80.0	0.0	-	0.0	-	5.1	-	0.0	0.0	-	-	-
83.0	90.0	0.0	-	0.0	-	0.0	-	4.6	0.0	-	-	-
87.0	32.7	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	33.0	13.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	34.0	0.0	-	22.1	0.0	-	-	0.0	0.0	-	-	-
87.0	35.0	32.4	-	242.1	21.3	0.0	-	0.0	0.0	-	-	-
87.0	36.0	11.3	-	194.6	37.0	0.0	-	0.0	0.0	-	-	-
87.0	40.0	0.0	-	122.2	42.4	0.0	-	0.0	0.0	-	-	-
87.0	45.0	49.0	-	77.2	19.8	0.0	-	0.0	0.0	-	-	-
87.0	50.0	8.0	15.1	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	0.0	12.0	-	59.7	24.7	-	9.6	0.0	-	-	-
87.0	60.0	0.0	36.3	-	181.1	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	350.8	-	27.0	5.1	-	0.0	0.0	-	-	-
87.0	80.0	0.0	79.5	-	10.0	10.0	-	0.0	0.0	-	-	-
90.0	28.0	0.0	44.1	-	20.9	9.0	-	0.0	0.0	-	-	-
90.0	29.0	0.0	83.4	-	19.3	0.0	-	0.0	0.0	-	-	-
90.0	30.0	0.0	21.9	-	21.5	32.1	-	0.0	0.0	-	-	-
90.0	31.0	0.0	49.8	-	50.8	0.0	-	0.0	0.0	-	-	-
90.0	33.0	21.2	270.9	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	37.0	9.9	331.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	45.0	22.4	101.0	-	0.0	0.0	0.0	0.0	0.0	-	-	-
90.0	53.0	0.0	10.0	-	236.7	0.0	0.0	0.0	0.0	-	-	-
90.0	60.0	0.0	60.1	-	5.3	0.0	0.0	0.0	0.0	-	-	-
90.0	70.0	0.0	147.5	-	4.8	0.0	0.0	0.0	0.0	-	-	-
90.0	80.0	0.0	656.3	-	0.0	0.0	7.8	0.0	0.0	-	-	-
90.0	90.0	0.0	58.2	-	0.0	0.0	0.0	0.0	0.0	-	-	-
90.0	90.0	5.6	76.8	-	10.4	0.0	0.0	0.0	0.0	-	-	-
93.0	26.9	0.0	10.9	0.0	-	0.0	-	0.0	0.0	-	-	-
93.0	28.0	0.0	11.8	11.0	-	0.0	0.0	0.0	0.0	-	-	-
93.0	29.0	0.0	12.0	27.8	-	0.0	0.0	0.0	0.0	-	-	-
93.0	30.0	0.0	12.7	18.0	-	0.0	0.0	0.0	0.0	-	-	-
93.0	35.0	0.0	245.1	0.0	-	0.0	0.0	0.0	0.0	-	-	-
93.0	40.0	0.0	225.6	12.0	-	0.0	0.0	0.0	0.0	-	-	-
93.0	45.0	0.0	209.0	123.3	-	0.0	0.0	0.0	0.0	-	-	-
93.0	50.0	0.0	0.0	38.1	-	0.0	0.0	0.0	0.0	-	-	-
93.0	55.0	0.0	0.0	20.8	-	0.0	0.0	0.0	0.0	-	-	-
93.0	60.0	0.0	0.0	5.3	-	0.0	0.0	0.0	0.0	-	-	-
93.0	90.0	0.0	545.2	-	0.0	0.0	0.0	0.0	0.0	-	-	-
93.0	100.0	-	82.5	-	0.0	0.0	0.0	0.0	0.0	-	-	-
97.0	32.0	0.0	5.5	-	0.0	-	0.0	0.0	0.0	-	-	-
97.0	35.0	0.0	5.8	-	0.0	-	6.2	0.0	0.0	-	-	-
97.0	40.0	0.0	11.3	-	9.0	-	0.0	0.0	0.0	-	-	-
97.0	45.0	0.0	308.7	-	68.4	-	10.6	0.0	0.0	-	-	-
97.0	45.0	0.0	360.0	-	46.0	-	0.0	0.0	0.0	-	-	-
97.0	50.0	0.0	11.8	-	10.1	-	6.1	0.0	0.0	-	-	-

TABLE 4. (cont.)

<i>Merluccius productus</i> (cont.)												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	80.0	0.0	0.0	-	0.0	0.0	-	-	6.2	-	-	-
97.0	90.0	0.0	497.7	-	0.0	0.0	-	-	0.0	-	-	-
100.0	30.0	0.0	0.0	-	9.1	-	0.0	-	0.0	-	-	-
100.0	35.0	0.0	0.0	-	42.3	-	0.0	-	0.0	-	-	-
100.0	45.0	0.0	5.3	-	10.4	-	0.0	-	0.0	-	-	-
103.0	60.0	0.0	10.8	-	-	-	0.0	-	0.0	-	-	-
103.0	70.0	0.0	0.0	-	-	-	5.7	-	0.0	-	-	-
107.0	32.0	0.0	11.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	32.4	0.0	0.0	-	39.5	-	0.0	0.0	0.0	-	-	-
110.0	35.0	0.0	0.0	-	11.3	-	0.0	0.0	0.0	-	-	-
113.0	35.0	0.0	0.0	-	11.4	-	-	-	0.0	-	-	-
117.0	30.0	0.0	46.5	-	-	-	-	0.0	0.0	-	-	-
117.0	45.0	0.0	5.7	-	-	-	-	0.0	0.0	-	-	-
123.0	37.0	0.0	-	4.6	-	-	-	0.0	0.0	-	-	-
130.0	30.0	0.0	-	13.9	-	-	-	0.0	0.0	-	-	-
130.0	35.0	31.6	-	15.9	-	-	-	0.0	0.0	-	-	-
130.0	40.0	0.0	-	10.7	-	-	-	0.0	0.0	-	-	-
130.0	50.0	0.0	-	27.4	-	-	-	0.0	0.0	-	-	-
133.0	23.0	0.0	-	9.8	-	-	-	0.0	0.0	-	-	-
133.0	25.0	0.0	-	13.8	-	-	-	0.0	0.0	-	-	-
133.0	30.0	0.0	-	127.9	-	-	-	0.0	0.0	-	-	-
133.0	35.0	121.7	-	215.7	-	-	-	0.0	0.0	-	-	-
137.0	30.0	16.5	-	52.3	-	-	-	0.0	0.0	-	-	-
137.0	35.0	85.8	-	110.5	-	-	-	0.0	0.0	-	-	-
137.0	40.0	0.0	-	5.2	-	-	-	0.0	0.0	-	-	-
137.0	60.0	5.6	-	0.0	-	-	-	0.0	-	-	-	-

Moridae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	110.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-

Macrouridae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	65.0	10.0	-	-	-	-	-	0.0	0.0	-	-	-
73.0	70.0	0.0	-	8.1	0.0	0.0	-	0.0	0.0	-	-	-
83.0	55.0	0.0	-	0.0	11.4	-	-	0.0	0.0	-	-	-
90.0	190.0	-	-	-	0.0	-	5.7	-	-	-	-	-
107.0	50.0	0.0	10.0	-	0.0	-	0.0	-	0.0	-	-	-
113.0	90.0	-	-	-	-	-	-	0.0	5.9	-	-	-

TABLE 4. (cont.)

Ophidiiformes

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	65.0	0.0	-	0.0	0.0	-	-	9.7	0.0	-	-	-
73.0	50.0	0.0	-	0.0	0.0	10.0	-	0.0	0.0	-	-	-
73.0	53.0	0.0	-	0.0	0.0	12.0	-	0.0	0.0	-	-	-
77.0	51.0	0.0	-	0.0	0.0	0.0	-	22.4	0.0	-	-	-
77.0	70.0	0.0	-	0.0	0.0	11.9	-	0.0	0.0	-	-	-
80.0	51.0	0.0	-	0.0	0.0	10.4	-	0.0	0.0	-	-	-
80.0	55.0	0.0	-	0.0	0.0	13.2	-	0.0	0.0	-	-	-
83.0	42.0	0.0	-	0.0	0.0	9.3	-	0.0	0.0	-	-	-
83.0	90.0	0.0	-	0.0	0.0	0.0	-	4.6	0.0	-	-	-
87.0	33.0	0.0	-	5.4	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	0.0	-	0.0	0.0	12.4	-	0.0	0.0	-	-	-
87.0	60.0	0.0	-	0.0	0.0	10.6	-	0.0	0.0	-	-	-
90.0	53.0	0.0	-	0.0	0.0	12.3	0.0	10.7	0.0	-	-	-
90.0	60.0	0.0	-	0.0	0.0	5.4	0.0	-	0.0	-	-	-
97.0	50.0	0.0	-	0.0	0.0	6.1	6.1	-	0.0	-	-	-
97.0	55.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-	-
120.0	40.0	0.0	-	0.0	0.0	-	-	0.0	4.6	-	-	-

Brosmophycis marginata

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	52.0	0.0	-	0.0	9.5	0.0	-	0.0	0.0	-	-	-
67.0	50.0	0.0	-	0.0	0.0	0.0	-	11.2	0.0	-	-	-
67.0	60.0	0.0	-	0.0	0.0	11.8	-	0.0	0.0	-	-	-
70.0	53.0	0.0	-	0.0	0.0	12.2	-	0.0	0.0	-	-	-
80.0	80.0	0.0	-	0.0	0.0	0.0	-	11.4	0.0	-	-	-
83.0	40.6	0.0	-	0.0	0.0	7.0	-	0.0	0.0	-	-	-
83.0	51.0	0.0	-	0.0	11.6	0.0	-	0.0	0.0	-	-	-
87.0	50.0	0.0	-	0.0	9.4	8.0	-	0.0	0.0	-	-	-
93.5	29.0	0.0	-	0.0	0.0	-	0.0	10.2	0.0	-	-	-
110.0	32.4	0.0	-	0.0	0.0	-	0.0	0.0	9.0	-	-	-

Chilara taylori

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	42.0	0.0	-	5.3	0.0	0.0	-	0.0	0.0	-	-	-
113.0	35.0	0.0	-	0.0	0.0	-	-	-	17.5	-	-	-
117.0	40.0	0.0	-	0.0	0.0	-	-	0.0	11.8	-	-	-
130.0	40.0	0.0	-	0.0	-	-	-	-	6.4	-	-	-

TABLE 4. (cont.)

Ophidion scrippsae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	32.7	0.0	-	0.0	0.0	0.0	-	0.0	4.7	-	-	-
118.0	39.0	0.0	0.0	-	-	-	-	0.0	6.2	-	-	-
120.0	25.0	0.0	-	0.0	-	-	-	0.0	5.4	-	-	-
133.0	23.0	10.1	-	0.0	-	-	-	0.0	6.1	-	-	-
133.0	25.0	0.0	-	0.0	-	-	-	0.0	5.2	-	-	-

Porichthys spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
137.0	22.0	4.4	-	0.0	-	-	-	0.0	-	-	-	-

Ceratioidei

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	120.0	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0	140.0	-	-	-	0.0	-	5.4	-	0.0	-	-	-
90.0	150.0	-	-	-	0.0	-	0.0	-	10.5	-	-	-
93.0	120.0	-	-	-	0.0	-	0.0	-	5.3	-	-	-

Gobiesocidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	40.0	0.0	-	0.0	-	-	-	15.1	0.0	-	-	-
127.0	33.0	0.0	-	0.0	-	-	-	0.0	882.9	-	-	-
137.0	22.0	4.4	-	0.0	-	-	-	0.0	-	-	-	-

Exocoetidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	70.0	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-

Cololabis saira

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	0.0	0.0	0.0	-	0.0	10.8	-	-	-
93.0	60.0	0.0	0.0	0.0	-	5.3	0.0	-	0.0	-	-	-
97.0	80.0	0.0	0.0	-	0.0	-	10.7	-	0.0	-	-	-
100.0	40.0	0.0	0.0	-	4.8	0.0	-	-	0.0	-	-	-
107.0	32.0	0.0	0.0	-	0.0	-	0.0	-	11.3	-	-	-
113.0	45.0	0.0	0.0	-	0.0	-	0.0	0.0	23.3	-	-	-
		4.2	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-

TABLE 4. (cont.)

Cololabis saira (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	50.0	0.0	5.3	-	0.0	-	0.0	0.0	0.0	-	-	-
113.0	60.0	4.4	0.0	-	-	-	0.0	0.0	0.0	-	-	-
117.0	80.0	0.0	11.5	-	-	-	-	0.0	0.0	-	-	-

Atherinidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
77.0	48.0	0.0	-	0.0	4.5	-	-	0.0	-	-	-	-
83.0	55.0	0.0	-	0.0	11.4	-	-	0.0	0.0	-	-	-
87.0	32.7	0.0	-	0.0	4.3	0.0	-	0.0	0.0	-	-	-
87.0	33.0	0.0	-	0.0	0.0	0.0	-	4.9	0.0	-	-	-
90.0	27.6	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-
97.0	29.0	0.0	0.0	-	0.0	-	8.2	-	0.0	-	-	-
97.0	30.0	0.0	5.1	-	0.0	-	4.0	-	0.0	-	-	-
97.0	32.0	0.0	5.8	-	0.0	-	0.0	-	0.0	-	-	-
103.0	29.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
113.0	29.0	13.0	8.6	-	0.0	-	0.0	0.0	0.0	-	-	-
120.0	24.0	19.8	-	0.0	-	-	-	0.0	0.0	-	-	-

Trachipteridae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0	65.0	0.0	-	0.0	0.0	-	-	5.1	0.0	-	-	-
77.0	70.0	0.0	-	0.0	0.0	11.9	-	0.0	0.0	-	-	-
80.0	90.0	0.0	-	0.0	-	0.0	-	5.1	0.0	-	-	-
87.0	70.0	0.0	0.0	-	5.4	0.0	-	0.0	0.0	-	-	-
90.0	60.0	0.0	0.0	-	0.0	5.4	5.4	-	0.0	-	-	-
90.0	80.0	0.0	0.0	-	0.0	0.0	5.3	-	0.0	-	-	-
90.0	160.0	-	-	-	0.0	-	0.0	-	5.2	-	-	-
90.0	180.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0	26.9	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	-	-
93.0	50.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
103.0	40.0	19.1	0.0	-	0.0	-	0.0	-	0.0	-	-	-

Eutaeniophoridae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	160.0	-	-	-	10.6	-	0.0	-	0.0	-	-	-
123.0	45.0	0.0	-	0.0	-	-	-	-	6.0	-	-	-

TABLE 4. (cont.)

Melampus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	70.0	0.0	-	0.0	-	0.0	-	0.0	11.6	-	-	-
60.0	80.0	0.0	-	-	-	0.0	-	5.3	0.0	-	-	-
60.0	90.0	-	-	-	-	0.0	-	4.6	5.7	-	-	-
63.0	55.0	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	65.0	0.0	-	9.5	-	-	-	0.0	0.0	-	-	-
63.0	80.0	10.0	-	-	-	0.0	-	0.0	-	-	-	-
63.0	90.0	-	-	-	-	0.0	-	5.4	0.0	-	-	-
67.0	60.0	10.6	-	0.0	0.0	0.0	-	11.6	0.0	-	-	-
67.0	80.0	0.0	-	8.3	-	0.0	-	0.0	-	-	-	-
67.0	90.0	0.0	-	5.2	-	0.0	-	5.6	0.0	-	-	-
70.0	60.0	0.0	-	0.0	23.0	0.0	-	0.0	0.0	-	-	-
70.0	90.0	0.0	-	0.0	-	5.8	-	0.0	10.6	-	-	-
73.0	53.0	10.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	65.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	70.0	8.6	-	0.0	10.7	6.1	-	5.1	0.0	-	-	-
73.0	80.0	0.0	-	0.0	10.4	0.0	-	0.0	0.0	-	-	-
73.0	90.0	0.0	-	10.0	-	0.0	-	0.0	0.0	-	-	-
77.0	60.0	0.0	-	24.9	0.0	5.7	-	9.8	11.0	-	-	-
77.0	65.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	70.0	0.0	-	0.0	0.0	-	-	0.0	10.5	-	-	-
77.0	80.0	0.0	-	11.1	12.5	0.0	-	10.6	0.0	-	-	-
77.0	90.0	0.0	-	11.0	-	11.9	-	29.6	0.0	-	-	-
80.0	60.0	0.0	-	10.0	0.0	0.0	-	0.0	5.4	-	-	-
80.0	80.0	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	90.0	11.3	-	10.5	-	0.0	-	0.0	0.0	-	-	-
83.0	70.0	0.0	-	5.4	0.0	0.0	-	0.0	0.0	-	-	-
83.0	80.0	21.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	90.0	5.1	-	0.0	11.3	5.1	-	4.6	0.0	-	-	-
87.0	60.0	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	-	-	0.0	0.0	-	0.0	0.0	-	-	-
87.0	80.0	0.0	-	-	0.0	5.1	-	5.0	0.0	-	-	-
87.0	90.0	0.0	-	-	0.0	0.0	-	5.2	5.6	-	-	-
90.0	53.0	0.0	-	-	0.0	0.0	-	0.0	5.5	-	-	-
90.0	60.0	5.0	-	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	70.0	0.0	-	-	14.4	0.0	-	0.0	0.0	-	-	-
90.0	80.0	0.0	-	-	4.6	10.4	-	0.0	11.3	-	-	-
90.0	90.0	0.0	-	-	0.0	10.7	-	0.0	10.7	-	-	-
90.0	100.0	0.0	-	-	5.2	0.0	-	0.0	0.0	-	-	-
90.0	110.0	0.0	-	-	5.0	-	-	0.0	0.0	-	-	-
90.0	120.0	-	-	-	5.2	0.0	-	0.0	42.0	-	-	-
90.0	130.0	-	-	-	5.1	5.3	-	0.0	10.7	-	-	-
90.0	140.0	-	-	-	0.0	0.0	-	0.0	5.4	-	-	-
90.0	150.0	-	-	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	160.0	-	-	-	5.3	-	-	0.0	0.0	-	-	-
90.0	170.0	-	-	-	0.0	-	-	-	-	-	-	-
							10.2					

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0 180.0	-	-	-	-	5.5	-	15.1	-	0.0	-	-	-
90.0 190.0	-	-	-	-	0.0	-	17.0	-	-	-	-	-
90.0 200.0	-	-	-	-	0.0	-	9.9	-	-	-	-	-
93.0 35.0	0.0	0.0	10.2	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 40.0	0.0	0.0	5.6	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 45.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	10.6	-	-	-
93.0 50.0	0.0	0.0	0.0	0.0	-	19.1	0.0	-	0.0	-	-	-
93.0 55.0	0.0	5.3	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0 60.0	0.0	0.0	5.4	5.3	-	5.3	0.0	-	0.0	-	-	-
93.0 70.0	0.0	0.0	10.9	0.0	-	14.7	5.6	-	0.0	-	-	-
93.0 80.0	5.4	0.0	0.0	0.0	-	15.5	15.2	-	0.0	-	-	-
93.0 90.0	-	0.0	0.0	0.0	-	0.0	10.3	-	0.0	-	-	-
93.0 100.0	-	0.0	0.0	0.0	-	0.0	0.0	-	11.1	-	-	-
93.0 110.0	-	-	-	-	10.3	-	5.4	-	5.4	-	-	-
93.0 120.0	-	-	-	-	0.0	-	0.0	-	5.3	-	-	-
93.0 130.0	-	-	-	-	5.4	-	0.0	-	0.0	-	-	-
93.0 140.0	-	-	-	-	15.8	-	0.0	-	0.0	-	-	-
93.0 150.0	-	-	-	-	15.4	-	0.0	-	0.0	-	-	-
93.0 160.0	-	-	-	-	5.4	-	0.0	-	0.0	-	-	-
93.0 180.0	-	-	-	-	10.6	-	0.0	-	0.0	-	-	-
93.0 190.0	-	-	-	-	9.9	-	10.4	-	-	-	-	-
93.0 200.0	-	-	-	-	9.2	-	0.0	-	0.0	-	-	-
97.0 45.0	0.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0 50.0	12.3	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0 55.0	0.0	0.0	0.0	-	10.7	-	5.7	-	0.0	-	-	-
97.0 60.0	0.0	0.0	24.1	-	8.4	-	4.5	-	0.0	-	-	-
97.0 70.0	0.0	0.0	5.5	-	44.2	-	0.0	-	0.0	-	-	-
97.0 80.0	-	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0 90.0	-	0.0	5.4	-	10.5	-	-	-	0.0	-	-	-
100.0 40.0	-	0.0	0.0	-	12.0	-	0.0	-	0.0	-	-	-
100.0 45.0	10.1	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0 50.0	0.0	0.0	0.0	-	0.0	-	9.7	-	0.0	-	-	-
100.0 60.0	0.0	0.0	4.9	-	0.0	-	5.5	-	0.0	-	-	-
100.0 70.0	0.0	4.6	5.2	-	0.0	-	15.3	-	0.0	-	-	-
100.0 80.0	2.9	0.0	5.6	-	15.0	-	5.2	-	5.6	-	-	-
100.0 90.0	0.0	0.0	5.8	-	10.3	-	0.0	-	0.0	-	-	-
100.0 100.0	-	-	-	-	4.5	-	-	-	0.0	-	-	-
103.0 45.0	0.0	-	5.1	-	0.0	-	0.0	-	0.0	-	-	-
103.0 50.0	0.0	7.6	9.9	-	0.0	-	0.0	-	0.0	-	-	-
103.0 60.0	0.0	4.7	0.0	-	0.0	-	5.2	-	0.0	-	-	-
103.0 70.0	0.0	0.0	0.0	-	-	-	11.4	-	0.0	-	-	-
103.0 80.0	2.8	4.7	0.0	-	-	-	2.6	-	0.0	-	-	-
107.0 35.0	0.0	0.0	0.0	-	0.0	-	10.1	-	0.0	-	-	-
107.0 40.0	0.0	0.0	21.6	-	0.0	-	10.5	-	0.0	-	-	-
107.0 50.0	11.5	4.7	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0 60.0	0.0	5.2	0.0	-	0.0	-	4.7	-	0.0	-	-	-
107.0 70.0	-	6.2	5.4	-	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
107.0	80.0	0.0	5.4	-	-	-	0.0	-	0.0	-	-	-
110.0	35.0	0.0	0.0	-	0.0	-	0.0	4.9	0.0	-	-	-
110.0	45.0	0.0	0.0	-	0.0	-	11.0	-	6.6	-	-	-
110.0	50.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	60.0	0.0	0.0	-	-	-	5.2	-	0.0	-	-	-
110.0	70.0	5.3	5.5	-	-	-	5.3	-	5.9	-	-	-
110.0	80.0	5.0	0.0	-	-	-	0.0	-	0.0	-	-	-
113.0	40.0	0.0	5.3	-	0.0	-	0.0	0.0	0.0	-	-	-
113.0	45.0	0.0	0.0	-	13.3	-	-	0.0	0.0	-	-	-
113.0	60.0	0.0	5.3	-	-	-	16.2	0.0	0.0	-	-	-
113.0	80.0	3.9	0.0	-	-	-	0.0	0.0	5.8	-	-	-
117.0	45.0	0.0	0.0	-	-	-	0.0	0.0	5.3	-	-	-
117.0	60.0	9.1	0.0	-	-	-	-	0.0	0.0	-	-	-
117.0	70.0	0.0	0.0	-	-	-	-	0.0	5.9	-	-	-
120.0	80.0	0.0	0.0	-	-	-	-	11.4	0.0	-	-	-
130.0	60.0	4.6	-	-	-	-	0.0	0.0	0.0	-	-	-
133.0	40.0	5.9	-	-	-	-	0.0	0.0	0.0	-	-	-
133.0	50.0	10.9	-	-	-	-	-	17.7	0.0	-	-	-
133.0	60.0	5.3	-	-	-	-	-	0.0	0.0	-	-	-
137.0	30.0	0.0	-	-	-	-	-	0.0	0.0	-	-	-
137.0	40.0	4.9	-	-	-	-	-	0.0	0.0	-	-	-
137.0	60.0	5.6	-	-	-	-	-	0.0	-	-	-	-

Poromitra spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	11.2	-	-	-
70.0	80.0	12.2	-	0.0	-	0.0	-	0.0	0.0	-	-	-
73.0	80.0	0.0	-	0.0	-	0.0	-	5.1	0.0	-	-	-
73.0	90.0	0.0	-	0.0	-	11.5	-	0.0	0.0	-	-	-
77.0	60.0	0.0	-	0.0	-	0.0	-	0.0	0.0	-	-	-
77.0	90.0	0.0	-	0.0	-	0.0	-	5.5	5.4	-	-	-
90.0	30.0	0.0	0.0	-	0.0	0.0	-	12.0	0.0	-	-	-
90.0	150.0	-	-	-	5.2	-	0.0	-	0.0	-	-	-
90.0	170.0	-	-	-	16.0	-	0.0	-	-	-	-	-
90.0	180.0	-	-	-	11.1	-	5.0	-	0.0	-	-	-
93.0	50.0	0.0	0.0	0.0	-	0.0	11.1	-	0.0	-	-	-
93.0	70.0	0.0	0.0	0.0	-	4.9	0.0	-	0.0	-	-	-
93.0	90.0	0.0	6.3	-	0.0	0.0	5.1	-	5.4	-	-	-
93.0	110.0	-	-	-	-	-	0.0	-	5.4	-	-	-
93.0	180.0	-	-	-	-	-	0.0	-	0.0	-	-	-
93.0	190.0	-	-	-	15.8	-	0.0	-	0.0	-	-	-
93.0	200.0	-	-	-	9.9	-	0.0	-	-	-	-	-
97.0	45.0	0.0	0.0	-	0.0	-	10.0	-	0.0	-	-	-
97.0	60.0	0.0	18.1	-	0.0	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Poromitra spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	70.0	5.0	0.0	-	4.9	-	0.0	-	0.0	-	-	-
97.0	90.0	4.9	0.0	-	5.3	-	-	-	0.0	-	-	-
100.0	40.0	0.0	0.0	-	0.0	0.0	0.0	-	11.3	-	-	-
100.0	60.0	0.0	5.7	-	0.0	-	10.2	-	0.0	-	-	-
100.0	70.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
100.0	80.0	0.0	0.0	-	5.0	-	0.0	-	0.0	-	-	-
100.0	90.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	50.0	7.6	5.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	35.0	0.0	0.0	-	11.0	-	0.0	0.0	0.0	-	-	-
110.0	35.0	0.0	5.3	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	40.0	0.0	0.0	-	0.0	-	11.4	0.0	0.0	-	-	-
113.0	50.0	0.0	0.0	-	12.1	-	0.0	0.0	0.0	-	-	-
113.0	90.0	-	-	0.0	-	-	-	0.0	5.9	-	-	-
120.0	70.0	0.0	-	0.0	-	-	-	0.0	6.4	-	-	-
123.0	60.0	0.0	-	0.0	-	-	-	6.1	0.0	-	-	-
133.0	50.0	5.4	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0	60.0	5.6	-	0.0	-	-	-	0.0	-	-	-	-

Scopeloberyx robustus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	150.0	-	-	-	5.2	-	0.0	-	0.0	-	-	-
90.0	180.0	-	-	-	5.5	-	0.0	-	0.0	-	-	-
90.0	190.0	-	-	-	0.0	-	5.7	-	-	-	-	-
93.0	140.0	-	-	-	0.0	-	0.0	-	10.8	-	-	-
93.0	150.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-

Scopelogadus bispinosus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0	90.0	0.0	-	0.0	-	0.0	-	0.0	5.5	-	-	-
87.0	90.0	0.0	0.0	-	-	0.0	-	0.0	5.5	-	-	-
90.0	130.0	-	-	-	0.0	-	0.0	-	10.8	-	-	-
90.0	140.0	-	-	-	5.2	-	0.0	-	0.0	-	-	-
90.0	190.0	-	-	-	0.0	-	17.0	-	-	-	-	-
93.0	55.0	0.0	7.4	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	-	0.0	5.3	-	0.0	-	-	-
93.0	90.0	0.0	0.0	0.0	0.0	0.0	5.1	-	0.0	-	-	-
93.0	150.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
97.0	55.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	90.0	4.9	0.0	-	5.3	0.0	-	-	0.0	-	-	-
100.0	60.0	6.3	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	70.0	0.0	0.0	-	0.0	-	5.1	-	0.0	-	-	-
100.0	80.0	0.0	0.0	-	0.0	-	15.5	-	0.0	-	-	-

TABLE 4. (cont.)

Scopelogadus bispinosus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	90.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	45.0	-	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	80.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
110.0	90.0	-	-	-	-	-	-	-	5.8	-	-	-
113.0	35.0	0.0	0.0	-	0.0	-	-	-	0.0	-	-	-
113.0	90.0	-	-	-	-	-	-	0.0	5.9	-	-	-
123.0	45.0	-	-	0.0	-	-	-	-	6.0	-	-	-

Macroramphosus gracilis

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	50.0	0.0	0.0	-	0.0	-	16.2	0.0	0.0	-	-	-
130.0	50.0	5.1	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0	50.0	0.0	-	50.5	-	-	-	0.0	0.0	-	-	-

Syngnathus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	29.0	0.0	0.0	5.6	-	-	0.0	-	0.0	-	-	-
113.0	30.0	0.0	0.0	-	0.0	-	-	4.5	5.1	-	-	-
117.0	30.0	0.0	0.0	-	-	-	-	0.0	5.1	-	-	-
120.0	35.0	-	-	0.0	-	-	-	0.0	0.0	-	-	-
130.0	35.0	-	-	0.0	-	-	-	0.0	5.5	-	-	-

Agonidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	51.0	0.0	-	21.3	0.0	-	-	0.0	0.0	-	-	-

Cottidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	0.0	10.7	0.0	-	0.0	10.8	-	-	-
60.0	55.0	-	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	50.0	10.5	-	3.6	0.0	0.0	-	0.0	0.0	-	-	-
73.0	53.0	0.0	-	0.0	0.0	0.0	-	12.4	0.0	-	-	-
77.0	48.0	0.0	-	0.0	0.0	0.0	-	4.2	-	-	-	-
80.0	55.0	0.0	-	0.0	0.0	0.0	-	9.9	0.0	-	-	-
87.0	33.0	0.0	-	0.0	9.9	0.0	-	0.0	0.0	-	-	-
87.0	50.0	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
97.0	29.0	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
100.0	29.0	0.0	0.0	-	4.1	-	0.0	-	0.0	-	-	-
					14.9	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Cottidae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	30.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	29.0	0.0	0.0	-	5.0	-	0.0	-	0.0	-	-	-
107.0	31.0	3.6	5.4	-	0.0	-	-	0.0	0.0	-	-	-
110.0	32.4	0.0	0.0	-	9.9	-	0.0	9.9	0.0	-	-	-
110.0	70.0	0.0	0.0	-	-	-	0.0	-	11.8	-	-	-

Scorpaenichthys marmoratus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	51.0	4.7	-	10.8	0.0	0.0	-	0.0	0.0	-	-	-
73.0	50.0	0.0	-	9.8	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	0.0	-	4.3	0.0	-	-	0.0	0.0	-	-	-
93.0	28.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
97.0	29.0	4.7	0.0	-	0.0	-	0.0	-	0.0	-	-	-

Cyclopteridae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	52.0	5.3	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
66.0	49.0	0.0	-	4.8	0.0	-	-	0.0	0.0	-	-	-
110.0	32.4	0.0	0.0	-	0.0	-	0.0	9.9	0.0	-	-	-

Hexagrammidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	4.7	-	0.0	0.0	-	-	0.0	0.0	-	-	-
103.0	30.0	0.0	4.6	-	0.0	-	0.0	-	0.0	-	-	-

Zaniolepis spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	0.0	-	0.0	0.0	-	-	0.0	4.8	-	-	-
63.0	52.0	0.0	-	0.0	0.0	0.0	-	0.0	11.0	-	-	-
77.0	51.0	0.0	-	10.9	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	5.2	-	4.3	0.0	-	-	0.0	0.0	-	-	-
87.0	40.0	0.0	-	5.8	0.0	0.0	-	0.0	0.0	-	-	-
87.0	50.0	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
93.0	29.0	0.0	0.0	0.0	-	-	0.0	-	0.0	-	-	-
93.0	30.0	5.4	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	35.0	10.2	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
103.0	30.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
107.0	31.0	0.0	5.4	-	0.0	-	0.0	0.0	11.5	-	-	-

TABLE 4. (cont.)

<i>Zaniolepis</i> spp. (cont.)											
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	NOV.
117.0	30.0	0.0	10.3	-	-	-	-	0.0	0.0	-	-
117.0	40.0	0.0	5.8	-	-	-	-	0.0	0.0	-	-
123.0	37.0	0.0	-	4.6	-	-	-	0.0	0.0	-	-
<i>Scorpaena</i> spp.											
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	NOV.
110.0	35.0	0.0	0.0	-	0.0	-	0.0	0.0	11.5	-	-
113.0	35.0	0.0	0.0	-	0.0	-	-	-	17.5	-	-
117.0	35.0	0.0	0.0	-	-	-	-	0.0	20.5	-	-
120.0	30.0	0.0	-	0.0	-	-	-	0.0	5.2	-	-
123.0	45.0	0.0	-	0.0	-	-	-	6.8	18.1	-	-
127.0	45.0	0.0	-	0.0	-	-	-	0.0	0.0	-	-
127.0	50.0	0.0	-	0.0	-	-	-	0.0	5.6	-	-
133.0	35.0	0.0	-	0.0	-	-	-	0.0	5.7	-	-
<i>Sebastes</i> spp.											
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	NOV.
60.0	50.0	14.1	-	0.0	0.0	-	-	0.0	4.8	-	-
60.0	52.0	69.4	-	-	-	-	-	-	-	-	-
60.0	52.5	-	-	10.0	0.0	24.2	-	0.0	21.6	-	-
60.0	55.0	1953.0	-	220.4	171.2	82.0	-	120.1	65.2	-	-
60.0	60.0	74.9	-	11.0	0.0	0.0	-	496.8	0.0	-	-
60.0	65.0	170.3	-	-	-	-	-	153.2	53.7	-	-
60.0	70.0	0.0	-	0.0	-	0.0	-	180.9	92.7	-	-
60.0	80.0	5.7	-	-	-	0.0	-	0.0	131.3	-	-
63.0	50.0	12.4	-	7.2	45.0	-	-	0.0	0.0	-	-
63.0	52.0	468.1	-	39.1	179.8	29.6	-	0.0	11.0	-	-
63.0	55.0	166.1	-	159.3	189.4	526.5	-	266.0	10.3	-	-
63.0	60.0	0.0	-	30.7	80.1	45.1	-	63.9	21.9	-	-
63.0	65.0	0.0	-	0.0	-	-	-	62.6	22.2	-	-
63.0	70.0	0.0	-	68.9	-	0.0	-	79.0	0.0	-	-
63.0	90.0	-	-	-	-	0.0	-	16.3	0.0	-	-
66.0	49.0	47.1	-	0.0	7.6	-	-	0.0	0.0	-	-
67.0	50.0	257.6	-	244.2	109.0	289.2	-	78.6	67.1	-	-
67.0	55.0	237.4	-	78.8	43.8	84.8	-	40.6	72.4	-	-
67.0	60.0	0.0	-	14.7	0.0	117.6	-	92.8	9.9	-	-
67.0	65.0	0.0	-	0.0	-	-	-	433.7	70.3	-	-
67.0	70.0	0.0	-	0.0	-	-	-	34.4	0.0	-	-
67.0	80.0	0.0	-	0.0	-	10.6	-	23.9	-	-	-
70.0	51.0	254.3	-	151.8	29.8	58.0	-	10.5	20.6	-	-
70.0	53.0	50.6	-	43.9	109.8	85.8	-	130.5	23.2	-	-
70.0	60.0	0.0	-	9.2	0.0	24.9	-	85.7	0.0	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	65.0	0.0	-	0.0	0.0	-	-	126.1	35.9	-	-	-
70.0	70.0	0.0	-	10.5	0.0	0.0	-	109.0	11.2	-	-	-
73.0	50.0	231.2	-	196.9	189.3	120.0	-	54.1	10.0	-	-	-
73.0	53.0	10.1	-	80.6	387.3	60.1	-	186.5	33.6	-	-	-
73.0	65.0	5.5	-	0.0	10.7	-	-	0.0	0.0	-	-	-
73.0	70.0	8.6	-	0.0	0.0	34.8	-	0.0	0.0	-	-	-
73.0	80.0	0.0	-	0.0	0.0	0.0	-	0.0	22.0	-	-	-
77.0	48.0	0.0	-	4.5	9.1	-	-	0.0	-	-	-	-
77.0	51.0	248.0	-	633.3	197.5	345.4	-	100.6	63.2	-	-	-
77.0	55.0	235.1	-	0.0	10.5	112.5	-	34.0	0.0	-	-	-
77.0	60.0	189.7	-	0.0	0.0	13.4	-	108.0	0.0	-	-	-
77.0	70.0	12.2	-	0.0	0.0	177.9	-	0.0	21.8	-	-	-
77.0	80.0	0.0	-	0.0	0.0	0.0	-	14.8	41.9	-	-	-
77.0	90.0	0.0	-	5.5	-	0.0	-	5.5	0.0	-	-	-
80.0	51.0	57.5	-	19.8	35.6	20.8	-	0.0	0.0	-	-	-
80.0	52.0	394.2	-	46.6	57.0	-	-	50.4	0.0	-	-	-
80.0	55.0	0.0	-	42.8	76.9	26.5	-	49.6	10.9	-	-	-
80.0	60.0	0.0	-	10.0	24.2	70.2	-	110.6	10.8	-	-	-
80.0	70.0	0.0	-	0.0	0.0	62.4	-	98.5	0.0	-	-	-
80.0	80.0	0.0	-	0.0	0.0	0.0	-	182.3	0.0	-	-	-
80.0	90.0	5.5	-	0.0	-	14.7	-	96.9	0.0	-	-	-
82.0	47.0	32.1	-	235.2	0.0	-	-	36.2	0.0	-	-	-
83.0	42.0	21.8	-	164.3	88.6	28.0	-	0.0	12.2	-	-	-
83.0	51.0	572.0	-	21.3	184.8	-	-	11.2	10.3	-	-	-
83.0	55.0	246.2	-	8.1	45.8	-	-	54.0	0.0	-	-	-
83.0	60.0	10.4	-	0.0	0.0	42.9	-	100.4	0.0	-	-	-
83.0	70.0	0.0	-	0.0	0.0	30.9	-	0.0	21.0	-	-	-
83.0	80.0	0.0	-	0.0	0.0	35.7	-	0.0	11.8	-	-	-
83.0	90.0	0.0	-	0.0	-	24.6	-	27.5	0.0	-	-	-
87.0	32.5	37.7	-	4.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	32.7	4.4	-	24.1	0.0	4.8	-	0.0	0.0	-	-	-
87.0	33.0	11.1	-	54.5	29.8	0.0	-	0.0	9.5	-	-	-
87.0	34.0	124.5	-	110.5	90.7	0.0	-	0.0	0.0	-	-	-
87.0	35.0	65.9	-	76.4	53.3	19.9	-	0.0	0.0	-	-	-
87.0	36.0	0.0	-	16.7	111.0	-	-	0.0	0.0	-	-	-
87.0	40.0	28.2	-	11.6	53.1	24.3	-	48.6	22.5	-	-	-
87.0	45.0	146.1	-	101.0	29.7	0.0	-	13.4	0.0	-	-	-
87.0	50.0	698.3	-	-	254.6	31.9	-	11.4	9.9	-	-	-
87.0	55.0	2371.4	-	69.5	119.4	123.7	-	28.7	0.0	-	-	-
87.0	60.0	41.0	-	0.0	0.0	63.5	-	139.1	0.0	-	-	-
87.0	70.0	0.0	-	0.0	0.0	35.9	-	15.1	0.0	-	-	-
87.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	27.6	0.0	-	31.9	9.9	0.0	-	0.0	0.0	-	-	-
90.0	28.0	17.2	-	55.1	20.9	0.0	-	0.0	0.0	-	-	-
90.0	29.0	10.2	-	27.8	0.0	12.4	-	0.0	0.0	-	-	-
90.0	30.0	0.0	-	54.6	0.0	32.1	-	0.0	11.9	-	-	-
90.0	31.0	9.7	-	62.2	25.4	111.2	-	11.2	0.0	-	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	33.0	108.4	24.7	-	0.0	11.6	-	10.0	0.0	-	-	-
90.0	37.0	15.7	59.1	-	0.0	32.9	-	0.0	0.0	-	-	-
90.0	45.0	5.1	156.4	-	86.1	11.6	32.6	-	-	-	-	-
90.0	53.0	70.1	126.2	-	26.7	221.0	49.0	-	0.0	-	-	-
90.0	60.0	0.0	331.9	-	0.0	10.8	48.3	-	34.4	-	-	-
90.0	70.0	0.0	0.0	-	0.0	5.2	47.0	-	5.7	-	-	-
93.0	26.7	8.8	0.0	0.0	-	0.0	19.5	0.0	-	-	-	-
93.0	26.9	54.3	32.7	31.0	-	10.6	-	0.0	11.6	-	-	-
93.0	28.0	98.0	5.9	33.1	-	0.0	0.0	-	12.0	-	-	-
93.0	29.0	33.7	0.0	11.1	-	0.0	0.0	-	0.0	-	-	-
93.0	30.0	47.4	0.0	0.0	-	0.0	10.1	-	0.0	-	-	-
93.0	35.0	193.5	0.0	154.5	-	12.6	10.1	-	0.0	-	-	-
93.0	40.0	132.8	0.0	0.0	-	46.0	44.4	-	0.0	-	-	-
93.0	45.0	22.1	270.4	98.7	-	11.8	20.2	-	0.0	-	-	-
93.0	50.0	0.0	0.0	27.2	-	220.0	55.6	-	0.0	-	-	-
93.0	55.0	0.0	0.0	46.9	-	47.3	26.9	-	0.0	-	-	-
93.0	60.0	0.0	0.0	42.2	-	0.0	0.0	-	5.2	-	-	-
93.0	70.0	0.0	0.0	0.0	-	0.0	0.0	-	16.1	-	-	-
93.0	120.0	-	-	-	-	0.0	5.2	-	0.0	-	-	-
93.0	130.0	-	-	-	-	-	0.0	0.0	5.5	-	-	-
93.5	29.0	-	-	-	-	-	14.3	0.0	-	-	-	-
97.0	29.0	84.1	4.7	-	0.0	-	0.0	-	0.0	-	-	-
97.0	30.0	519.7	45.6	-	4.4	-	22.2	-	0.0	-	-	-
97.0	32.0	0.0	46.8	-	89.6	-	17.3	-	0.0	-	-	-
97.0	35.0	0.0	0.0	-	9.0	-	14.5	-	0.0	-	-	-
97.0	40.0	0.0	41.2	-	341.8	-	46.2	-	0.0	-	-	-
97.0	45.0	20.8	54.0	-	101.2	-	38.6	-	0.0	-	-	-
97.0	50.0	0.0	189.4	-	5.1	-	11.9	-	0.0	-	-	-
97.0	55.0	0.0	10.9	-	10.7	-	5.7	-	0.0	-	-	-
97.0	60.0	0.0	6.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	52.3	36.3	-	5.0	-	13.2	-	0.0	-	-	-
100.0	30.0	91.8	74.2	-	91.1	-	5.0	-	0.0	-	-	-
100.0	35.0	10.6	0.0	-	21.1	-	10.6	-	0.0	-	-	-
100.0	40.0	0.0	0.0	-	96.3	-	18.4	-	0.0	-	-	-
100.0	45.0	0.0	0.0	-	52.2	-	19.4	-	0.0	-	-	-
100.0	50.0	0.0	0.0	-	11.5	-	0.0	-	0.0	-	-	-
103.0	29.0	0.0	9.3	-	70.6	-	0.0	-	0.0	-	-	-
103.0	30.0	125.0	245.9	-	39.8	-	44.5	-	0.0	-	-	-
103.0	35.0	0.0	0.0	-	0.0	-	21.2	-	0.0	-	-	-
103.0	40.0	-	11.1	-	31.6	-	23.2	-	0.0	-	-	-
103.0	45.0	-	0.0	-	12.0	-	5.7	-	0.0	-	-	-
103.0	50.0	0.0	0.0	-	0.0	-	5.8	-	0.0	-	-	-
107.0	31.0	7.2	0.0	-	31.0	-	-	0.0	0.0	-	-	-
107.0	32.0	4.2	253.3	-	140.6	-	11.4	0.0	0.0	-	-	-
107.0	35.0	0.0	5.5	-	11.0	-	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	0.0	-	0.0	-	10.5	-	0.0	-	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
1107.0	45.0	0.0	0.0	-	0.0	-	-	-	0.0	-	-	-
1110.0	32.4	0.0	43.4	-	39.5	-	8.7	9.9	0.0	-	-	-
1110.0	35.0	0.0	0.0	-	22.6	-	0.0	0.0	0.0	-	-	-
1110.0	40.0	0.0	87.0	-	0.0	-	11.4	5.3	0.0	-	-	-
1110.0	50.0	0.0	0.0	-	10.7	-	0.0	0.0	0.0	-	-	-
1110.0	80.0	0.0	5.2	-	-	-	0.0	-	0.0	-	-	-
1113.0	29.0	26.0	25.8	-	0.0	-	-	0.0	0.0	-	-	-
1113.0	30.0	58.0	270.8	-	36.6	-	-	0.0	0.0	-	-	-
1113.0	35.0	21.3	25.6	-	34.1	-	-	0.0	0.0	-	-	-
1113.0	40.0	0.0	0.0	-	11.6	-	-	0.0	0.0	-	-	-
1113.0	45.0	4.2	0.0	-	13.3	-	-	0.0	0.0	-	-	-
1113.0	50.0	0.0	0.0	-	0.0	-	0.0	0.0	12.3	-	-	-
1117.0	25.0	16.8	-	-	-	-	0.0	0.0	0.0	-	-	-
1117.0	26.0	21.5	56.0	-	-	-	-	0.0	0.0	-	-	-
1117.0	30.0	0.0	51.7	-	-	-	-	0.0	0.0	-	-	-
1117.0	35.0	4.7	20.4	-	-	-	-	13.7	0.0	-	-	-
1117.0	40.0	17.2	5.8	-	-	-	-	38.8	0.0	-	-	-
1117.0	45.0	4.7	45.8	-	-	-	-	0.0	0.0	-	-	-
1117.0	50.0	0.0	11.5	-	-	-	-	0.0	0.0	-	-	-
1118.0	39.0	0.0	67.2	-	-	-	-	12.6	0.0	-	-	-
1119.0	33.0	0.0	-	5.3	-	-	-	5.4	0.0	-	-	-
120.0	25.0	15.6	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	35.0	0.0	-	8.7	-	-	-	0.0	0.0	-	-	-
120.0	45.0	0.0	-	9.5	-	-	-	0.0	0.0	-	-	-
123.0	36.0	0.0	-	8.0	-	-	-	9.5	0.0	-	-	-
123.0	37.0	32.8	-	82.3	-	-	-	5.3	0.0	-	-	-
123.0	45.0	0.0	-	4.6	-	-	-	-	0.0	-	-	-
127.0	33.0	0.0	-	4.4	-	-	-	5.3	0.0	-	-	-
127.0	34.0	16.9	-	41.9	-	-	-	0.0	0.0	-	-	-
133.0	23.0	0.0	-	4.9	-	-	-	0.0	0.0	-	-	-
137.0	35.0	0.0	-	5.3	-	-	-	0.0	0.0	-	-	-

Sebastes aurora

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	60.0	0.0	-	0.0	0.0	0.0	-	10.8	0.0	-	-	-
60.0	80.0	0.0	-	-	-	0.0	-	0.0	10.9	-	-	-
67.0	50.0	0.0	-	0.0	0.0	27.5	-	0.0	0.0	-	-	-
70.0	53.0	0.0	-	0.0	0.0	0.0	-	0.0	11.6	-	-	-
73.0	50.0	0.0	-	0.0	0.0	50.0	-	10.8	0.0	-	-	-
73.0	53.0	0.0	-	0.0	0.0	24.0	-	0.0	0.0	-	-	-
77.0	51.0	0.0	-	0.0	0.0	28.8	-	0.0	0.0	-	-	-
77.0	60.0	0.0	-	0.0	0.0	0.0	-	9.8	0.0	-	-	-
77.0	65.0	0.0	-	0.0	11.0	-	-	0.0	0.0	-	-	-
77.0	70.0	0.0	-	0.0	0.0	71.2	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Sebastes aurora (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	60.0	0.0	-	0.0	0.0	35.1	-	0.0	10.8	-	-	-
80.0	70.0	0.0	-	0.0	0.0	12.5	-	0.0	0.0	-	-	-
83.0	42.0	0.0	-	5.3	0.0	0.0	-	0.0	0.0	-	-	-
83.0	60.0	0.0	-	0.0	0.0	17.2	-	0.0	0.0	-	-	-
83.0	80.0	0.0	-	0.0	-	5.1	-	0.0	0.0	-	-	-
83.0	90.0	0.0	-	0.0	-	0.0	-	9.2	0.0	-	-	-
87.0	60.0	0.0	0.0	0.0	0.0	10.6	-	0.0	0.0	-	-	-
90.0	29.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	31.0	0.0	12.4	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	45.0	0.0	11.2	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-
93.0	28.0	0.0	0.0	0.0	-	0.0	5.4	-	0.0	-	-	-
93.0	35.0	0.0	10.2	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	40.0	0.0	5.6	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	55.0	0.0	0.0	21.8	-	9.6	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	-	5.2	-	-	-
					0.0	0.0	0.0	-	5.9	-	-	-

Sebastes jordani

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	0.0	-	11.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	52.0	168.3	-	1187.7	0.0	0.0	-	0.0	0.0	-	-	-
63.0	55.0	0.0	-	826.5	0.0	0.0	-	0.0	0.0	-	-	-
67.0	50.0	19.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
67.0	60.0	10.6	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
70.0	53.0	0.0	-	0.0	29.9	0.0	-	0.0	0.0	-	-	-
73.0	50.0	0.0	-	39.4	0.0	0.0	-	0.0	0.0	-	-	-
77.0	51.0	0.0	-	32.8	0.0	0.0	-	0.0	0.0	-	-	-
80.0	52.0	0.0	-	5.2	0.0	0.0	-	0.0	0.0	-	-	-
82.0	47.0	235.5	-	0.0	0.0	-	-	0.0	0.0	-	-	-
83.0	42.0	5.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	148.7	-	31.8	0.0	0.0	-	0.0	0.0	-	-	-
83.0	55.0	0.0	-	8.5	0.0	-	-	0.0	0.0	-	-	-
87.0	32.5	41.5	-	4.0	45.8	0.0	-	0.0	0.0	-	-	-
87.0	32.7	499.8	-	4.8	0.0	0.0	-	0.0	0.0	-	-	-
87.0	33.0	113.4	-	0.0	9.9	0.0	-	0.0	0.0	-	-	-
87.0	34.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
87.0	35.0	0.0	-	19.1	0.0	0.0	-	0.0	0.0	-	-	-
87.0	36.0	0.0	-	27.8	0.0	-	-	0.0	0.0	-	-	-
87.0	40.0	0.0	-	46.6	0.0	0.0	-	0.0	0.0	-	-	-
87.0	45.0	0.0	-	11.9	0.0	0.0	-	0.0	0.0	-	-	-
90.0	27.6	0.0	5.3	-	0.0	0.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Sebastes jordani (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	28.0	0.0	99.2	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	29.0	5.5	0.0	-	38.6	0.0	-	0.0	0.0	-	-	-
90.0	30.0	0.0	32.8	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	31.0	11.6	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	33.0	18.1	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	45.0	0.0	22.3	-	53.8	0.0	0.0	-	-	-	-	-
90.0	53.0	0.0	12.0	-	0.0	0.0	0.0	-	0.0	-	-	-
93.0	26.9	0.0	10.9	0.0	-	0.0	0.0	0.0	-	-	-	-
93.0	28.0	0.0	5.9	0.0	-	0.0	0.0	-	-	-	-	-
93.0	30.0	0.0	0.0	12.0	-	0.0	0.0	-	0.0	-	-	-
93.0	35.0	0.0	30.6	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	45.0	0.0	12.3	0.0	-	0.0	0.0	-	0.0	-	-	-
97.0	32.0	0.0	5.8	-	0.0	0.0	0.0	-	0.0	-	-	-
100.0	29.0	423.6	0.0	-	0.0	-	0.0	-	0.0	-	-	-

Sebastes levis

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
66.0	49.0	0.0	-	4.8	0.0	-	-	0.0	0.0	-	-	-
80.0	52.0	0.0	-	0.0	11.4	-	-	0.0	0.0	-	-	-
83.0	42.0	0.0	-	5.3	12.7	0.0	-	0.0	0.0	-	-	-
83.0	51.0	0.0	-	0.0	11.6	-	-	0.0	0.0	-	-	-
83.0	55.0	0.0	-	0.0	137.3	-	-	0.0	0.0	-	-	-
90.0	45.0	0.0	0.0	-	43.0	0.0	0.0	-	-	-	-	-
93.0	30.0	11.8	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-

Sebastes macdonaldi

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	40.0	0.0	0.0	-	10.9	-	0.0	0.0	0.0	-	-	-
113.0	29.0	0.0	4.3	-	0.0	-	-	0.0	0.0	-	-	-
113.0	30.0	0.0	13.3	-	0.0	-	-	0.0	0.0	-	-	-
113.0	35.0	0.0	5.1	-	0.0	-	-	0.0	0.0	-	-	-
117.0	35.0	0.0	40.7	-	-	-	-	0.0	0.0	-	-	-
117.0	40.0	0.0	5.8	-	-	-	-	0.0	0.0	-	-	-
117.0	45.0	0.0	22.9	-	-	-	-	0.0	0.0	-	-	-
118.0	39.0	0.0	77.6	-	-	-	-	0.0	0.0	-	-	-
119.0	33.0	8.7	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	45.0	0.0	-	4.7	-	-	-	0.0	0.0	-	-	-
123.0	37.0	0.0	-	9.1	-	-	-	0.0	0.0	-	-	-
123.0	45.0	0.0	-	13.8	-	-	-	0.0	0.0	-	-	-
127.0	34.0	0.0	-	195.7	-	-	-	0.0	0.0	-	-	-
127.0	40.0	-	-	4.8	-	-	-	0.0	0.0	-	-	-
130.0	30.0	0.0	-	23.1	-	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

<i>Sebastes macdonaldi</i> (cont.)												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
133.0	25.0	0.0	-	69.0	-	-	-	0.0	0.0	-	-	-
133.0	30.0	0.0	-	127.9	-	-	-	0.0	0.0	-	-	-
<i>Sebastes paucispinis</i>												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	60.0	0.0	-	11.0	0.0	0.0	-	0.0	0.0	-	-	-
60.0	70.0	0.0	-	0.0	-	10.5	-	0.0	0.0	-	-	-
63.0	55.0	0.0	-	19.9	0.0	0.0	-	0.0	0.0	-	-	-
63.0	60.0	0.0	-	20.5	11.4	0.0	-	0.0	0.0	-	-	-
63.0	70.0	0.0	-	11.5	-	0.0	-	0.0	0.0	-	-	-
67.0	50.0	4.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
67.0	55.0	0.0	-	0.0	32.9	0.0	-	0.0	0.0	-	-	-
67.0	70.0	0.0	-	0.0	-	10.6	-	0.0	0.0	-	-	-
70.0	51.0	0.0	-	10.8	0.0	0.0	-	0.0	0.0	-	-	-
70.0	53.0	0.0	-	11.0	0.0	0.0	-	0.0	0.0	-	-	-
70.0	60.0	0.0	-	9.2	0.0	0.0	-	0.0	0.0	-	-	-
73.0	50.0	0.0	-	0.0	9.5	0.0	-	0.0	0.0	-	-	-
73.0	53.0	0.0	-	46.1	0.0	0.0	-	0.0	0.0	-	-	-
73.0	60.0	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	51.0	0.0	-	10.9	0.0	0.0	-	0.0	0.0	-	-	-
77.0	55.0	0.0	-	0.0	31.4	0.0	-	0.0	0.0	-	-	-
77.0	60.0	0.0	-	12.5	10.6	0.0	-	0.0	0.0	-	-	-
80.0	52.0	0.0	-	15.5	0.0	0.0	-	0.0	0.0	-	-	-
80.0	60.0	0.0	-	20.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	60.0	0.0	-	5.3	0.0	0.0	-	0.0	0.0	-	-	-
83.0	42.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	45.8	-	0.0	0.0	-	-	0.0	0.0	-	-	-
83.0	55.0	0.0	-	0.0	0.0	10.2	-	0.0	0.0	-	-	-
83.0	80.0	0.0	-	4.4	0.0	-	-	0.0	0.0	-	-	-
87.0	34.0	0.0	-	11.1	0.0	-	-	0.0	0.0	-	-	-
87.0	36.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	40.0	5.6	-	17.8	0.0	0.0	-	0.0	0.0	-	-	-
87.0	45.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	50.0	4.9	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	55.0	39.3	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	30.0	0.0	-	21.9	0.0	0.0	-	0.0	0.0	-	-	-
90.0	31.0	0.0	-	12.4	0.0	0.0	-	0.0	0.0	-	-	-
90.0	37.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	45.0	0.0	-	18.0	0.0	0.0	0.0	0.0	0.0	-	-	-
90.0	53.0	0.0	-	49.2	0.0	0.0	0.0	0.0	0.0	-	-	-
90.0	60.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
93.0	26.9	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
93.0	30.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
93.0	35.0	43.4	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
93.0	40.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
		15.9	-	0.0	-	0.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Sebastes paucispinis (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	45.0	11.1	12.3	0.0	-	0.0	0.0	-	0.0	-	-	-
97.0	32.0	0.0	17.5	-	0.0	-	0.0	-	0.0	-	-	-
97.0	40.0	0.0	0.0	-	39.1	-	0.0	-	0.0	-	-	-
97.0	45.0	10.4	0.0	-	36.8	-	0.0	-	0.0	-	-	-
97.0	50.0	0.0	11.8	-	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	35.0	0.0	0.0	-	10.6	-	0.0	-	0.0	-	-	-
103.0	45.0	0.0	0.0	-	12.0	-	0.0	-	0.0	-	-	-
107.0	31.0	0.0	5.4	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	32.0	0.0	22.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	40.0	0.0	0.0	-	0.0	-	10.5	-	0.0	-	-	-
110.0	70.0	0.0	5.5	-	0.0	-	0.0	-	0.0	-	-	-
113.0	35.0	0.0	5.1	-	0.0	-	-	-	0.0	-	-	-

Sebastolobus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	0.0	-	0.0	11.4	0.0	-	0.0	0.0	-	-	-
60.0	70.0	0.0	-	0.0	-	10.5	-	0.0	11.6	-	-	-
60.0	80.0	0.0	-	-	-	0.0	-	0.0	10.9	-	-	-
60.0	90.0	-	-	-	-	0.0	-	4.6	0.0	-	-	-
63.0	55.0	0.0	-	368.5	0.0	0.0	-	0.0	0.0	-	-	-
63.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	10.9	-	-	-
63.0	70.0	0.0	-	0.0	-	10.5	-	0.0	0.0	-	-	-
63.0	90.0	-	-	-	-	0.0	-	10.8	5.6	-	-	-
67.0	65.0	0.0	-	0.0	-	-	-	22.2	0.0	-	-	-
67.0	70.0	0.0	-	0.0	-	21.2	-	34.4	0.0	-	-	-
67.0	90.0	5.6	-	0.0	-	0.0	-	11.3	11.1	-	-	-
70.0	65.0	0.0	-	0.0	0.0	-	-	9.7	23.9	-	-	-
70.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	11.2	-	-	-
70.0	90.0	0.0	-	0.0	-	0.0	-	10.2	0.0	-	-	-
73.0	53.0	0.0	-	34.6	0.0	0.0	-	0.0	0.0	-	-	-
73.0	65.0	0.0	-	0.0	0.0	-	-	5.1	0.0	-	-	-
73.0	80.0	0.0	-	0.0	0.0	0.0	-	5.1	0.0	-	-	-
77.0	51.0	0.0	-	10.9	0.0	0.0	-	0.0	0.0	-	-	-
77.0	60.0	0.0	-	0.0	10.6	0.0	-	0.0	0.0	-	-	-
77.0	65.0	0.0	-	0.0	11.0	0.0	-	0.0	0.0	-	-	-
80.0	70.0	0.0	-	0.0	10.8	0.0	-	0.0	0.0	-	-	-
83.0	80.0	0.0	-	0.0	-	0.0	-	0.0	5.9	-	-	-
90.0	80.0	0.0	0.0	-	0.0	0.0	5.3	-	0.0	-	-	-
90.0	90.0	0.0	0.0	-	0.0	0.0	5.4	-	11.0	-	-	-
90.0	100.0	0.0	0.0	-	0.0	0.0	5.4	-	0.0	-	-	-
100.0	50.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Prionotus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
117.0	25.0	0.0	-	-	-	-	-	0.0	17.1	-	-	-
120.0	24.0	0.0	-	0.0	-	-	-	0.0	95.0	-	-	-
120.0	25.0	0.0	-	0.0	-	-	-	0.0	43.4	-	-	-
120.0	35.0	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-
120.0	40.0	0.0	-	0.0	-	-	-	0.0	27.7	-	-	-
130.0	28.0	0.0	-	0.0	-	-	-	0.0	9.5	-	-	-
133.0	23.0	0.0	-	0.0	-	-	-	0.0	24.3	-	-	-

Hypsoblennius spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	55.0	0.0	-	0.0	0.0	0.0	-	9.9	0.0	-	-	-
83.0	40.6	0.0	-	0.0	0.0	0.0	-	0.0	13.2	-	-	-
83.0	42.0	0.0	-	0.0	0.0	0.0	-	0.0	24.5	-	-	-
87.0	32.5	0.0	-	0.0	14.5	0.0	-	36.5	0.0	-	-	-
87.0	32.7	0.0	-	0.0	0.0	4.8	-	8.5	0.0	-	-	-
87.0	33.0	0.0	-	0.0	0.0	0.0	-	4.9	9.5	-	-	-
90.0	27.6	0.0	0.0	-	9.9	0.0	-	42.2	26.3	-	-	-
90.0	28.0	0.0	0.0	-	0.0	9.0	-	34.9	22.3	-	-	-
90.0	29.0	0.0	0.0	-	0.0	0.0	-	62.0	0.0	-	-	-
90.0	30.0	0.0	0.0	-	0.0	21.4	-	0.0	23.8	-	-	-
93.0	26.7	0.0	0.0	4.0	-	9.5	19.5	9.7	-	-	-	-
93.0	26.9	0.0	0.0	0.0	-	16.0	-	0.0	-	-	-	-
93.0	28.0	0.0	0.0	0.0	-	0.0	21.3	-	0.0	-	-	-
100.0	30.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	31.0	0.0	0.0	-	0.0	-	0.0	-	13.3	-	-	-
107.0	32.0	0.0	0.0	-	0.0	-	0.0	0.0	92.3	-	-	-
110.0	32.4	0.0	0.0	-	0.0	-	0.0	0.0	11.7	-	-	-
113.0	29.0	0.0	0.0	-	0.0	-	-	7.8	9.0	-	-	-
113.0	30.0	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	-
119.0	33.0	4.4	0.0	0.0	-	-	-	0.0	15.4	-	-	-
120.0	24.0	7.9	-	4.1	-	-	-	13.0	0.0	-	-	-
120.0	25.0	0.0	-	4.8	-	-	-	4.7	0.0	-	-	-
120.0	40.0	3.7	-	0.0	-	-	-	0.0	4.7	-	-	-
123.0	36.0	0.0	-	0.0	-	-	-	0.0	5.8	-	-	-
123.0	37.0	0.0	-	0.0	-	-	-	0.0	11.0	-	-	-
127.0	34.0	0.0	-	0.0	-	-	-	0.0	11.6	-	-	-
127.0	40.0	-	-	0.0	-	-	-	19.8	0.0	-	-	-
130.0	28.0	4.6	-	0.0	-	-	-	0.0	0.0	-	-	-
130.0	30.0	0.0	-	0.0	-	-	-	0.0	5.4	-	-	-
130.0	35.0	0.0	-	0.0	-	-	-	45.4	5.5	-	-	-
133.0	25.0	0.0	-	0.0	-	-	-	0.0	5.2	-	-	-
137.0	22.0	0.0	-	0.0	-	-	-	26.8	-	-	-	-
137.0	35.0	0.0	-	0.0	-	-	-	0.0	5.1	-	-	-

TABLE 4. (cont.)

Clinidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	0.0	21.3	0.0	-	0.0	0.0	-	-	-
63.0	50.0	4.1	-	3.6	0.0	-	-	0.0	0.0	-	-	-
63.0	52.0	0.0	-	0.0	0.0	7.4	-	0.0	0.0	-	-	-
67.0	50.0	0.0	-	0.0	0.0	13.8	-	0.0	0.0	-	-	-
83.0	51.0	0.0	-	4.3	0.0	-	-	0.0	0.0	-	-	-
90.0	27.6	4.5	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-	-
97.0	29.0	0.0	0.0	-	4.1	-	0.0	-	0.0	-	-	-
97.0	30.0	204.2	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	0.0	5.2	-	0.0	-	0.0	-	0.0	-	-	-
103.0	29.0	0.0	18.6	-	20.2	-	0.0	-	6.1	-	-	-
103.0	30.0	0.0	0.0	-	5.0	-	0.0	-	0.0	-	-	-
107.0	31.0	0.0	5.4	-	31.0	-	0.0	0.0	0.0	-	-	-
110.0	32.4	0.0	4.8	-	9.9	-	0.0	9.9	0.0	-	-	-
113.0	29.0	0.0	0.0	-	13.8	-	-	0.0	0.0	-	-	-
118.0	39.0	4.9	0.0	-	-	-	-	0.0	0.0	-	-	-
120.0	40.0	3.7	-	0.0	-	-	-	0.0	0.0	-	-	-
127.0	33.0	0.0	-	0.0	-	-	-	0.0	81.0	-	-	-

Gobiidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	4.7	-	8.8	0.0	-	-	9.0	4.8	-	-	-
60.0	65.0	0.0	-	-	9.0	-	-	0.0	10.7	-	-	-
63.0	50.0	20.6	-	7.8	0.0	0.0	-	0.0	0.0	-	-	-
63.0	52.0	0.0	-	0.0	0.0	0.0	-	0.0	11.0	-	-	-
63.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	10.9	-	-	-
67.0	60.0	10.6	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	48.0	0.0	-	0.0	4.5	-	-	0.0	-	-	-	-
77.0	51.0	0.0	-	10.9	0.0	28.8	-	0.0	10.5	-	-	-
77.0	55.0	0.0	-	0.0	0.0	12.5	-	0.0	0.0	-	-	-
77.0	65.0	0.0	-	11.0	0.0	-	-	0.0	0.0	-	-	-
77.0	80.0	0.0	-	0.0	0.0	0.0	-	0.0	10.5	-	-	-
82.0	47.0	0.0	-	0.0	-	0.0	-	0.0	11.8	-	-	-
83.0	40.6	0.0	-	0.0	0.0	7.0	-	0.0	0.0	-	-	-
83.0	42.0	0.0	-	0.0	0.0	18.7	-	13.8	0.0	-	-	-
83.0	51.0	0.0	-	0.0	11.6	-	-	11.2	0.0	-	-	-
83.0	55.0	12.0	-	0.0	11.4	-	-	0.0	0.0	-	-	-
83.0	80.0	0.0	-	0.0	-	0.0	-	0.0	5.9	-	-	-
87.0	32.5	0.0	-	4.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	32.7	25.5	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	33.0	0.0	-	0.0	9.9	0.0	-	0.0	0.0	-	-	-
87.0	34.0	0.0	-	4.4	0.0	-	-	0.0	0.0	-	-	-
87.0	35.0	5.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	40.0	0.0	-	0.0	0.0	12.2	-	0.0	0.0	-	-	-
87.0	50.0	0.0	0.0	-	0.0	0.0	-	0.0	4.9	-	-	-

TABLE 4. (cont.)

Gobiidae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	60.0	0.0	0.0	-	0.0	10.6	-	0.0	0.0	-	-	-
90.0	27.6	0.0	5.3	-	0.0	0.0	-	0.0	8.8	-	-	-
90.0	30.0	10.5	0.0	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	31.0	0.0	0.0	-	12.7	0.0	-	0.0	0.0	-	-	-
90.0	33.0	30.1	0.0	-	0.0	0.0	-	0.0	12.0	-	-	-
90.0	70.0	0.0	0.0	-	0.0	0.0	7.8	-	0.0	-	-	-
93.0	26.7	4.4	0.0	4.0	-	0.0	0.0	0.0	-	-	-	-
93.0	26.9	4.9	0.0	5.2	-	0.0	0.0	0.0	-	-	-	-
93.0	28.0	10.0	0.0	11.0	-	0.0	0.0	-	0.0	-	-	-
93.0	30.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	40.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	45.0	10.6	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
97.0	29.0	0.0	12.3	0.0	-	0.0	0.0	-	0.0	-	-	-
97.0	30.0	4.7	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	30.0	4.6	5.1	-	0.0	-	0.0	-	0.0	-	-	-
97.0	35.0	0.0	0.0	-	0.0	-	4.6	-	0.0	-	-	-
97.0	40.0	0.0	0.0	-	0.0	-	6.2	-	0.0	-	-	-
97.0	45.0	0.0	6.0	-	0.0	-	5.0	-	0.0	-	-	-
100.0	29.0	0.0	0.0	-	5.0	-	4.4	-	0.0	-	-	-
103.0	30.0	0.0	0.0	-	0.0	-	0.0	-	23.4	-	-	-
103.0	35.0	0.0	0.0	-	0.0	-	0.0	-	22.9	-	-	-
103.0	50.0	0.0	0.0	-	0.0	-	0.0	-	15.4	-	-	-
107.0	31.0	4.5	0.0	-	0.0	-	0.0	0.0	12.3	-	-	-
110.0	70.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
113.0	29.0	3.3	0.0	-	4.6	-	0.0	3.9	0.0	-	-	-
113.0	30.0	4.7	0.0	-	0.0	-	-	0.0	0.0	-	-	-
113.0	35.0	0.0	0.0	-	0.0	-	-	4.3	5.8	-	-	-
120.0	24.0	7.9	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	60.0	0.0	-	0.0	-	-	-	0.0	5.9	-	-	-
127.0	33.0	0.0	-	0.0	-	-	-	0.0	8.1	-	-	-
130.0	50.0	0.0	-	0.0	-	-	-	0.0	6.0	-	-	-
137.0	22.0	176.0	-	0.0	-	-	-	0.0	-	-	-	-

Icosteus aenigmaticus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
66.0	49.0	0.0	-	0.0	0.0	-	-	4.9	0.0	-	-	-
77.0	55.0	0.0	-	10.2	0.0	0.0	-	0.0	0.0	-	-	-

Halichoeres spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
118.0	39.0	0.0	0.0	-	-	-	-	0.0	12.4	-	-	-
120.0	24.0	0.0	-	0.0	-	-	-	0.0	19.0	-	-	-
120.0	25.0	0.0	-	0.0	-	-	-	4.7	5.4	-	-	-

TABLE 4. (cont.)

Halichoeres spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	40.0	0.0	-	0.0	-	-	-	0.0	4.6	-	-	-
120.0	45.0	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-
120.0	60.0	0.0	-	0.0	-	-	-	0.0	11.9	-	-	-
123.0	42.0	-	-	-	-	-	-	-	5.6	-	-	-
127.0	40.0	-	-	0.0	-	-	-	11.2	23.2	-	-	-
127.0	45.0	0.0	-	0.0	-	-	-	0.0	15.8	-	-	-
127.0	50.0	0.0	-	0.0	-	-	-	0.0	11.3	-	-	-
130.0	35.0	0.0	-	0.0	-	-	-	0.0	4.7	-	-	-
130.0	40.0	0.0	-	0.0	-	-	-	0.0	5.5	-	-	-
130.0	50.0	0.0	-	0.0	-	-	-	-	12.8	-	-	-
133.0	23.0	0.0	-	0.0	-	-	-	0.0	6.0	-	-	-
133.0	25.0	0.0	-	0.0	-	-	-	0.0	36.4	-	-	-
133.0	35.0	0.0	-	0.0	-	-	-	5.5	0.0	-	-	-
133.0	40.0	0.0	-	0.0	-	-	-	0.0	11.4	-	-	-
137.0	22.0	0.0	-	0.0	-	-	-	12.3	0.0	-	-	-
137.0	22.0	0.0	-	0.0	-	-	-	37.5	-	-	-	-

Oxyjulis californica

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
73.0	53.0	0.0	-	0.0	0.0	0.0	-	0.0	11.2	-	-	-
77.0	51.0	0.0	-	0.0	0.0	0.0	-	0.0	21.1	-	-	-
77.0	80.0	0.0	-	0.0	0.0	0.0	-	0.0	20.9	-	-	-
80.0	55.0	0.0	-	0.0	0.0	0.0	-	9.9	0.0	-	-	-
82.0	47.0	0.0	-	0.0	0.0	-	-	0.0	129.9	-	-	-
83.0	42.0	0.0	-	0.0	0.0	0.0	-	124.2	0.0	-	-	-
83.0	55.0	0.0	-	0.0	22.9	-	-	0.0	0.0	-	-	-
87.0	32.7	0.0	-	0.0	0.0	0.0	-	0.0	4.7	-	-	-
87.0	33.0	0.0	-	0.0	0.0	0.0	-	0.0	9.5	-	-	-
87.0	35.0	0.0	-	0.0	0.0	0.0	-	12.1	0.0	-	-	-
87.0	40.0	0.0	-	0.0	0.0	24.3	-	0.0	33.8	-	-	-
87.0	45.0	0.0	-	0.0	0.0	-	-	0.0	54.0	-	-	-
87.0	55.0	0.0	-	0.0	23.9	12.4	-	9.6	0.0	-	-	-
87.0	60.0	0.0	-	0.0	0.0	31.7	-	0.0	0.0	-	-	-
90.0	30.0	0.0	-	0.0	0.0	0.0	-	12.0	0.0	-	-	-
90.0	31.0	0.0	-	0.0	25.4	0.0	-	22.4	0.0	-	-	-
90.0	37.0	0.0	-	0.0	21.5	0.0	-	12.1	0.0	-	-	-
90.0	45.0	0.0	-	0.0	0.0	0.0	-	-	10.9	-	-	-
90.0	60.0	0.0	-	0.0	0.0	5.4	10.7	-	5.7	-	-	-
90.0	70.0	0.0	-	0.0	0.0	0.0	39.2	-	0.0	-	-	-
93.0	29.0	0.0	-	0.0	-	-	25.0	-	0.0	-	-	-
93.0	55.0	0.0	-	0.0	-	0.0	53.7	-	0.0	-	-	-
93.0	60.0	0.0	-	0.0	-	5.3	0.0	-	0.0	-	-	-
97.0	35.0	0.0	-	0.0	0.0	-	9.3	-	0.0	-	-	-
97.0	40.0	0.0	-	0.0	0.0	-	5.3	-	0.0	-	-	-

TABLE 4. (cont.)

Oxyjulis californica (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	45.0	0.0	0.0	-	0.0	-	28.6	-	0.0	-	-	-
97.0	50.0	0.0	0.0	-	0.0	-	42.3	-	0.0	-	-	-
97.0	55.0	0.0	0.0	-	0.0	-	67.8	-	0.0	-	-	-
97.0	60.0	0.0	0.0	-	8.4	-	10.7	-	0.0	-	-	-
100.0	35.0	0.0	0.0	-	0.0	-	5.0	-	0.0	-	-	-
100.0	45.0	0.0	0.0	-	0.0	-	9.7	-	0.0	-	-	-
100.0	50.0	0.0	0.0	-	11.5	-	0.0	-	0.0	-	-	-
103.0	30.0	0.0	0.0	-	0.0	-	0.0	-	34.4	-	-	-
103.0	40.0	0.0	0.0	-	0.0	-	6.7	-	0.0	-	-	-
103.0	45.0	0.0	0.0	-	12.0	-	0.0	-	0.0	-	-	-
103.0	50.0	0.0	0.0	-	0.0	-	17.4	-	0.0	-	-	-
103.0	60.0	0.0	0.0	-	0.0	-	8.5	-	0.0	-	-	-
107.0	31.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	32.0	0.0	0.0	-	0.0	-	0.0	0.0	46.7	-	-	-
107.0	40.0	0.0	0.0	-	0.0	-	42.0	-	0.0	-	-	-
107.0	50.0	0.0	0.0	-	0.0	-	5.3	-	0.0	-	-	-
110.0	35.0	0.0	0.0	-	0.0	-	0.0	0.0	11.5	-	-	-
113.0	80.0	0.0	0.0	-	0.0	-	0.0	0.0	5.8	-	-	-
117.0	35.0	0.0	0.0	-	-	-	-	0.0	10.3	-	-	-
117.0	40.0	0.0	0.0	-	-	-	-	0.0	17.7	-	-	-
119.0	33.0	4.4	-	-	0.0	-	-	0.0	0.0	-	-	-
123.0	45.0	0.0	-	-	0.0	-	-	0.0	6.0	-	-	-

Semicossyphus pulcher

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
107.0	32.0	0.0	0.0	-	0.0	-	0.0	0.0	11.7	-	-	-
117.0	40.0	0.0	0.0	-	-	-	-	0.0	5.9	-	-	-
120.0	60.0	0.0	-	0.0	-	-	-	0.0	5.9	-	-	-
133.0	40.0	0.0	-	0.0	-	-	-	6.2	0.0	-	-	-

Chromis punctipinnis

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
82.0	47.0	0.0	-	0.0	0.0	-	-	0.0	11.8	-	-	-
87.0	36.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
90.0	31.0	0.0	0.0	-	11.1	-	-	0.0	0.0	-	-	-
93.0	26.7	0.0	0.0	0.0	0.0	-	0.0	38.9	-	-	-	-
93.0	50.0	0.0	0.0	0.0	0.0	9.6	0.0	-	0.0	-	-	-
97.0	45.0	0.0	0.0	-	0.0	-	5.0	-	0.0	-	-	-
110.0	32.4	0.0	0.0	-	0.0	-	0.0	0.0	9.0	-	-	-
110.0	40.0	0.0	0.0	-	0.0	-	0.0	0.0	25.9	-	-	-
119.0	33.0	0.0	-	0.0	-	-	-	26.8	0.0	-	-	-
120.0	25.0	0.0	-	0.0	-	-	-	0.0	43.4	-	-	-

TABLE 4. (cont.)

Chromis punctipinnis (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	30.0	0.0	-	0.0	-	-	-	18.2	0.0	-	-	-
120.0	45.0	0.0	-	0.0	-	-	-	0.0	11.1	-	-	-
123.0	37.0	0.0	-	0.0	-	-	-	0.0	5.8	-	-	-
123.0	42.0	0.0	-	-	-	-	-	-	5.6	-	-	-
123.0	45.0	0.0	-	0.0	-	-	-	-	12.1	-	-	-

Mugil spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
133.0	23.0	0.0	-	0.0	-	-	-	0.0	12.1	-	-	-

Howella brodiei

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	80.0	0.0	-	0.0	-	0.0	-	11.3	0.0	-	-	-
70.0	90.0	0.0	-	0.0	-	0.0	-	0.0	10.6	-	-	-
90.0	160.0	-	-	5.3	-	-	0.0	-	5.2	-	-	-
90.0	190.0	-	-	0.0	-	-	5.7	-	-	-	-	-
93.0	110.0	-	-	0.0	-	-	5.4	-	5.4	-	-	-
93.0	140.0	-	-	5.4	-	-	0.0	-	0.0	-	-	-
93.0	170.0	-	-	5.3	-	-	0.0	-	-	-	-	-

Brama spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
67.0	90.0	0.0	-	0.0	-	0.0	-	0.0	5.5	-	-	-
90.0	70.0	0.0	-	0.0	-	0.0	0.0	-	5.7	-	-	-
90.0	160.0	-	-	0.0	-	-	0.0	-	5.2	-	-	-
90.0	170.0	-	-	0.0	-	-	5.1	-	-	-	-	-
93.0	130.0	-	-	16.4	-	-	0.0	-	0.0	-	-	-
93.0	160.0	-	-	0.0	-	-	0.0	-	5.3	-	-	-
107.0	70.0	6.2	0.0	-	-	-	0.0	-	0.0	-	-	-

Carangidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	50.0	0.0	0.0	-	0.0	-	0.0	0.0	12.3	-	-	-
120.0	24.0	0.0	-	0.0	-	-	-	0.0	4.8	-	-	-
120.0	45.0	0.0	-	0.0	-	-	-	0.0	11.1	-	-	-
123.0	37.0	0.0	-	4.6	-	-	-	0.0	0.0	-	-	-
133.0	23.0	0.0	-	0.0	-	-	-	5.5	267.1	-	-	-
133.0	25.0	0.0	-	0.0	-	-	-	5.5	0.0	-	-	-

TABLE 4. (cont.)

Carangidae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
133.0	40.0	0.0	-	0.0	-	-	-	0.0	5.9	-	-	-

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	60.0	0.0	0.0	-	0.0	-	0.0	-	9.6	-	-	-
113.0	50.0	0.0	0.0	-	0.0	-	0.0	0.0	24.7	-	-	-
117.0	45.0	0.0	0.0	-	-	-	-	6.1	0.0	-	-	-
123.0	42.0	0.0	-	-	-	-	-	-	5.6	-	-	-
127.0	50.0	0.0	-	0.0	-	-	-	0.0	5.6	-	-	-
130.0	28.0	0.0	-	0.0	-	-	-	0.0	14.2	-	-	-
137.0	35.0	0.0	-	0.0	-	-	-	0.0	5.1	-	-	-

Seriola lalandi

Trachurus symmetricus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	65.0	0.0	-	0.0	0.0	-	-	21.9	0.0	-	-	-
63.0	60.0	0.0	-	0.0	-	-	-	0.0	0.0	-	-	-
63.0	65.0	0.0	-	0.0	-	-	-	50.1	0.0	-	-	-
63.0	80.0	0.0	-	-	-	-	-	0.0	-	-	-	-
63.0	90.0	0.0	-	-	-	-	-	0.0	0.0	-	-	-
67.0	60.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
67.0	70.0	0.0	-	0.0	-	-	-	0.0	0.0	-	-	-
67.0	80.0	0.0	-	0.0	-	-	-	0.0	11.0	-	-	-
70.0	53.0	0.0	-	0.0	0.0	-	-	0.0	-	-	-	-
70.0	60.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
70.0	65.0	0.0	-	0.0	10.3	-	-	0.0	0.0	-	-	-
70.0	70.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
70.0	80.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
70.0	90.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
73.0	50.0	0.0	-	0.0	-	-	-	0.0	0.0	-	-	-
73.0	53.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
73.0	60.0	0.0	-	0.0	11.6	-	-	11.1	0.0	-	-	-
73.0	70.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
73.0	80.0	0.0	-	0.0	-	-	-	0.0	0.0	-	-	-
73.0	90.0	0.0	-	10.0	0.0	-	-	0.0	0.0	-	-	-
77.0	60.0	0.0	-	24.9	0.0	-	-	0.0	0.0	-	-	-
77.0	65.0	0.0	-	11.0	11.0	-	-	0.0	0.0	-	-	-
77.0	70.0	0.0	-	22.3	25.1	-	-	0.0	0.0	-	-	-
77.0	80.0	0.0	-	11.1	-	-	-	0.0	0.0	-	-	-
77.0	90.0	0.0	-	16.5	18.1	-	-	0.0	0.0	-	-	-
80.0	55.0	0.0	-	10.7	0.0	-	-	0.0	0.0	-	-	-
80.0	60.0	0.0	-	20.0	0.0	-	-	0.0	0.0	-	-	-
80.0	70.0	0.0	-	44.5	0.0	-	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	80.0	0.0	-	104.6	-	0.0	-	0.0	0.0	-	-	-
80.0	90.0	0.0	-	0.0	-	4.9	-	0.0	0.0	-	-	-
83.0	55.0	0.0	-	16.2	0.0	-	-	0.0	0.0	-	-	-
83.0	60.0	0.0	-	9.8	9.5	8.6	-	0.0	0.0	-	-	-
83.0	70.0	0.0	-	39.8	20.7	10.3	-	0.0	0.0	-	-	-
83.0	80.0	0.0	-	55.1	-	25.5	-	0.0	0.0	-	-	-
83.0	90.0	0.0	-	4.9	-	4.9	-	0.0	0.0	-	-	-
87.0	34.0	0.0	-	0.0	0.0	-	-	20.6	0.0	-	-	-
87.0	36.0	0.0	-	0.0	0.0	-	-	59.2	0.0	-	-	-
87.0	40.0	0.0	-	0.0	0.0	218.9	-	0.0	0.0	-	-	-
87.0	45.0	0.0	-	0.0	0.0	0.0	-	26.9	0.0	-	-	-
87.0	55.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	-	41.9	0.0	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	-	36.3	39.6	0.0	-	0.0	0.0	-	-	-
87.0	80.0	0.0	-	97.8	16.2	0.0	-	0.0	0.0	-	-	-
87.0	80.0	0.0	-	15.7	-	0.0	-	0.0	0.0	-	-	-
87.0	90.0	0.0	-	12.0	-	0.0	-	0.0	0.0	-	-	-
90.0	31.0	0.0	-	0.0	0.0	0.0	-	22.4	0.0	-	-	-
90.0	33.0	0.0	-	0.0	0.0	0.0	-	160.3	0.0	-	-	-
90.0	37.0	0.0	-	0.0	0.0	22.0	-	24.3	0.0	-	-	-
90.0	45.0	0.0	-	0.0	10.8	0.0	21.7	-	0.0	-	-	-
90.0	53.0	0.0	-	6.0	0.0	0.0	24.5	-	0.0	-	-	-
90.0	60.0	0.0	-	1302.9	47.9	0.0	5.4	-	0.0	-	-	-
90.0	70.0	0.0	-	0.0	0.0	5.2	70.5	-	0.0	-	-	-
90.0	80.0	0.0	-	0.0	0.0	21.3	0.0	-	0.0	-	-	-
90.0	90.0	0.0	-	23.6	0.0	0.0	0.0	-	0.0	-	-	-
90.0	100.0	0.0	-	0.0	0.0	0.0	10.7	-	0.0	-	-	-
93.0	28.0	0.0	-	0.0	-	9.8	0.0	-	0.0	-	-	-
93.0	29.0	0.0	-	0.0	-	0.0	25.0	-	0.0	-	-	-
93.0	30.0	0.0	-	0.0	-	0.0	69.8	-	0.0	-	-	-
93.0	35.0	0.0	-	0.0	-	0.0	70.7	-	0.0	-	-	-
93.0	45.0	0.0	-	12.3	12.3	11.8	0.0	-	0.0	-	-	-
93.0	50.0	0.0	-	103.4	18.4	0.0	66.7	-	0.0	-	-	-
93.0	55.0	0.0	-	46.9	29.8	0.0	53.7	-	0.0	-	-	-
93.0	60.0	0.0	-	68.6	5.4	5.3	15.9	-	0.0	-	-	-
93.0	70.0	0.0	-	0.0	5.4	4.9	0.0	-	0.0	-	-	-
93.0	80.0	0.0	-	0.0	0.0	5.2	5.1	-	0.0	-	-	-
93.0	100.0	0.0	-	0.0	0.0	-	0.0	-	0.0	-	-	-
93.5	29.0	0.0	-	-	5.6	-	14.3	0.0	0.0	-	-	-
97.0	30.0	0.0	-	-	4.4	-	0.0	-	0.0	-	-	-
97.0	35.0	0.0	-	-	26.9	-	0.0	-	0.0	-	-	-
97.0	40.0	0.0	-	-	371.1	-	0.0	-	0.0	-	-	-
97.0	45.0	0.0	-	-	211.7	-	90.5	-	0.0	-	-	-
97.0	50.0	0.0	-	-	5.1	-	54.5	-	0.0	-	-	-
97.0	55.0	0.0	-	-	5.3	-	17.0	-	0.0	-	-	-
97.0	70.0	5.0	-	-	14.7	-	0.0	-	0.0	-	-	-
97.0	90.0	0.0	-	-	0.0	0.0	-	-	0.0	-	-	-

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	35.0	0.0	0.0	-	21.1	-	0.0	-	0.0	-	-	-
100.0	45.0	0.0	0.0	-	83.5	-	0.0	-	0.0	-	-	-
100.0	50.0	0.0	0.0	-	34.6	-	0.0	-	0.0	-	-	-
100.0	60.0	0.0	5.7	-	5.7	-	0.0	-	0.0	-	-	-
100.0	70.0	0.0	0.0	-	-	-	5.1	-	0.0	-	-	-
103.0	29.0	0.0	0.0	-	0.0	-	0.0	-	6.1	-	-	-
103.0	30.0	0.0	0.0	-	0.0	-	0.0	-	11.5	-	-	-
103.0	35.0	0.0	0.0	-	66.7	-	0.0	-	0.0	-	-	-
103.0	50.0	0.0	0.0	-	0.0	-	23.2	-	0.0	-	-	-
103.0	60.0	0.0	0.0	-	0.0	-	2.8	-	0.0	-	-	-
107.0	31.0	0.0	0.0	-	0.0	-	-	0.0	13.2	-	-	-
107.0	50.0	0.0	0.0	-	16.8	-	0.0	-	0.0	-	-	-
107.0	70.0	0.0	0.0	-	-	-	5.4	-	0.0	-	-	-
110.0	32.4	0.0	0.0	-	0.0	-	0.0	-	9.0	-	-	-
110.0	45.0	0.0	0.0	-	33.2	-	0.0	-	0.0	-	-	-
110.0	50.0	0.0	0.0	-	96.3	-	0.0	-	0.0	-	-	-
130.0	28.0	0.0	-	0.0	-	-	-	0.0	4.7	-	-	-

Caristius macropus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	60.0	0.0	0.0	-	-	-	0.0	0.0	6.3	-	-	-
120.0	80.0	0.0	-	0.0	-	-	-	5.7	0.0	-	-	-

Coryphaena hippurus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
123.0	45.0	0.0	-	0.0	-	-	-	-	6.0	-	-	-
137.0	40.0	0.0	-	0.0	-	-	-	0.0	6.0	-	-	-

Gerreidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	24.0	0.0	-	0.0	-	-	-	4.3	0.0	-	-	-
123.0	36.0	0.0	-	0.0	-	-	-	0.0	46.9	-	-	-
133.0	23.0	0.0	-	0.0	-	-	-	0.0	48.6	-	-	-

Haemulidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	25.0	0.0	-	0.0	-	-	-	0.0	5.4	-	-	-
120.0	30.0	0.0	-	0.0	-	-	-	24.2	0.0	-	-	-

TABLE 4. (cont.)

Haemulidae (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	40.0	0.0	-	0.0	-	-	-	0.0	73.9	-	-	-
120.0	45.0	0.0	-	0.0	-	-	-	5.5	0.0	-	-	-
127.0	33.0	0.0	-	0.0	-	-	-	0.0	8.1	-	-	-
127.0	40.0	-	-	0.0	-	-	-	33.7	0.0	-	-	-
127.0	45.0	0.0	-	0.0	-	-	-	0.0	5.3	-	-	-
130.0	28.0	0.0	-	0.0	-	-	-	0.0	9.5	-	-	-
130.0	30.0	0.0	-	0.0	-	-	-	11.7	0.0	-	-	-
133.0	23.0	0.0	-	0.0	-	-	-	71.5	36.4	-	-	-
137.0	22.0	0.0	-	0.0	-	-	-	16.1	-	-	-	-

Girella nigricans

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	32.5	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	32.7	0.0	-	0.0	0.0	0.0	-	0.0	4.7	-	-	-
113.0	35.0	0.0	0.0	-	0.0	-	-	-	5.8	-	-	-
133.0	23.0	0.0	-	0.0	-	-	-	5.5	0.0	-	-	-

Medialuna californiensis

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
77.0	90.0	0.0	-	0.0	-	6.0	-	0.0	0.0	-	-	-

Caulolatilus princeps

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	25.0	0.0	-	0.0	-	-	-	0.0	16.3	-	-	-
133.0	35.0	0.0	-	4.7	-	-	-	0.0	0.0	-	-	-

Sciaenidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	0.0	-	282.9	9.8	-	-	0.0	9.5	-	-	-
60.0	52.0	5.0	-	-	-	-	-	-	-	-	-	-
60.0	52.5	-	-	10.0	74.7	0.0	-	0.0	0.0	-	-	-
60.0	55.0	10.5	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	50.0	136.0	-	220.2	135.0	-	-	0.0	0.0	-	-	-
63.0	52.0	84.2	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
66.0	49.0	23.6	-	0.0	0.0	-	-	0.0	19.5	-	-	-
67.0	55.0	9.9	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	50.0	0.0	-	49.2	0.0	0.0	-	0.0	0.0	-	-	-
77.0	48.0	0.0	-	4.5	0.0	-	-	0.0	-	-	-	-

TABLE 4. (cont.)

STATION	Sciaenidae (cont.)											
	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
77.0	51.0	10.3	-	21.8	0.0	0.0	-	0.0	0.0	-	-	-
77.0	55.0	13.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	51.0	0.0	-	163.7	0.0	0.0	-	0.0	0.0	-	-	-
80.0	52.0	0.0	-	62.2	0.0	0.0	-	0.0	0.0	-	-	-
82.0	47.0	32.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	40.6	944.9	-	-	0.0	0.0	-	0.0	17.6	-	-	-
83.0	42.0	59.8	-	132.5	0.0	0.0	-	0.0	12.2	-	-	-
83.0	51.0	0.0	-	8.5	0.0	0.0	-	0.0	0.0	-	-	-
83.0	55.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	32.5	71.6	-	225.7	5.8	0.0	-	4.1	19.8	-	-	-
87.0	32.7	249.9	-	395.2	25.5	0.0	-	4.2	23.6	-	-	-
87.0	33.0	1636.8	-	1046.4	19.8	0.0	-	14.7	0.0	-	-	-
87.0	34.0	1203.7	-	1189.0	10.1	0.0	-	0.0	0.0	-	-	-
87.0	35.0	24.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	36.0	43.9	-	316.9	0.0	0.0	-	0.0	0.0	-	-	-
87.0	40.0	0.0	-	46.6	0.0	0.0	-	0.0	0.0	-	-	-
87.0	27.6	217.9	-	-	172.9	0.0	-	0.0	79.0	-	-	-
90.0	28.0	0.0	-	88.2	219.1	0.0	-	0.0	55.9	-	-	-
90.0	29.0	5.5	-	0.0	135.2	0.0	-	0.0	22.0	-	-	-
90.0	30.0	0.0	-	0.0	96.8	0.0	-	0.0	0.0	-	-	-
90.0	31.0	5.8	-	-	177.9	0.0	-	0.0	0.0	-	-	-
90.0	37.0	0.0	-	-	0.0	0.0	-	0.0	0.0	-	-	-
93.0	26.7	0.0	-	281.4	0.0	0.0	-	29.2	-	-	-	-
93.0	26.9	21.9	-	624.1	-	0.0	-	0.0	0.0	-	-	-
93.0	28.0	24.7	-	93.1	-	0.0	-	0.0	0.0	-	-	-
93.0	28.0	61.2	-	298.0	-	0.0	-	0.0	0.0	-	-	-
93.0	29.0	5.4	-	33.4	-	0.0	-	0.0	0.0	-	-	-
97.0	29.0	4.7	-	541.7	37.2	0.0	-	0.0	0.0	-	-	-
97.0	30.0	0.0	-	142.0	4.4	0.0	-	66.4	0.0	-	-	-
97.0	32.0	0.0	-	11.7	0.0	0.0	-	0.0	0.0	-	-	-
100.0	29.0	0.0	-	31.1	9.9	0.0	-	0.0	0.0	-	-	-
100.0	45.0	0.0	-	-	31.3	0.0	-	0.0	0.0	-	-	-
103.0	29.0	148.0	-	-	0.0	0.0	-	0.0	0.0	-	-	-
103.0	30.0	39.5	-	-	10.0	0.0	-	0.0	34.4	-	-	-
103.0	40.0	-	-	-	0.0	0.0	-	0.0	0.0	-	-	-
107.0	31.0	36.2	-	-	0.0	0.0	-	0.0	0.0	-	-	-
107.0	32.0	0.0	-	59.3	17.6	0.0	-	0.0	0.0	-	-	-
110.0	32.4	25.5	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
110.0	50.0	0.0	-	10.6	0.0	0.0	-	0.0	0.0	-	-	-
113.0	29.0	45.5	-	0.0	4.6	0.0	-	0.0	202.5	-	-	-
113.0	35.0	0.0	-	0.0	0.0	0.0	-	0.0	17.5	-	-	-
117.0	25.0	4.2	-	-	0.0	0.0	-	0.0	0.0	-	-	-
120.0	24.0	0.0	-	0.0	-	0.0	-	0.0	85.5	-	-	-
120.0	25.0	0.0	-	0.0	-	0.0	-	0.0	5.4	-	-	-
130.0	28.0	0.0	-	0.0	-	0.0	-	0.0	4.7	-	-	-
133.0	23.0	25.2	-	0.0	-	0.0	-	11.0	12.1	-	-	-
137.0	22.0	13.2	-	-	-	-	-	21.4	-	-	-	-

TABLE 4. (cont.)

Serranidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
82.0	47.0	0.0	-	0.0	0.0	-	-	0.0	23.6	-	-	-
83.0	42.0	0.0	-	0.0	0.0	0.0	-	0.0	48.9	-	-	-
83.0	55.0	0.0	-	0.0	0.0	0.0	-	13.5	0.0	-	-	-
87.0	32.5	0.0	-	0.0	0.0	0.0	-	0.0	9.9	-	-	-
87.0	32.7	0.0	-	0.0	0.0	0.0	-	0.0	14.2	-	-	-
87.0	40.0	0.0	-	0.0	0.0	0.0	-	0.0	11.3	-	-	-
90.0	29.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	11.0	-	-	-
93.0	26.7	0.0	0.0	0.0	-	0.0	0.0	9.7	-	-	-	-
97.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	-	10.1	-	-	-
110.0	45.0	0.0	0.0	-	0.0	0.0	0.0	-	6.6	-	-	-
113.0	29.0	0.0	0.0	-	0.0	-	0.0	0.0	4.7	-	-	-
113.0	30.0	0.0	0.0	-	0.0	-	-	0.0	5.1	-	-	-
113.0	35.0	0.0	0.0	-	0.0	-	-	0.0	5.8	-	-	-
113.0	40.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
113.0	50.0	0.0	0.0	-	0.0	0.0	0.0	0.0	24.7	-	-	-
117.0	25.0	0.0	0.0	-	-	-	-	0.0	28.5	-	-	-
120.0	24.0	0.0	0.0	0.0	-	-	-	0.0	10.3	-	-	-
120.0	25.0	0.0	-	0.0	-	-	-	13.0	104.5	-	-	-
120.0	30.0	0.0	-	0.0	-	-	-	0.0	32.5	-	-	-
120.0	35.0	0.0	-	0.0	-	-	-	12.1	0.0	-	-	-
120.0	40.0	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-
120.0	40.0	0.0	-	0.0	-	-	-	25.1	0.0	-	-	-
127.0	40.0	0.0	-	0.0	-	-	-	22.5	0.0	-	-	-
127.0	50.0	0.0	-	0.0	-	-	-	6.7	0.0	-	-	-
130.0	28.0	0.0	-	0.0	-	-	-	19.8	28.4	-	-	-
133.0	23.0	0.0	-	0.0	-	-	-	11.0	315.6	-	-	-
133.0	25.0	0.0	-	0.0	-	-	-	5.5	0.0	-	-	-
137.0	22.0	0.0	-	0.0	-	-	-	21.4	-	-	-	-
137.0	35.0	0.0	-	0.0	-	-	-	0.0	15.3	-	-	-

Gempylidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	140.0	-	-	-	5.2	-	0.0	-	0.0	-	-	-
90.0	150.0	-	-	-	0.0	-	0.0	-	5.3	-	-	-
90.0	180.0	-	-	-	0.0	-	5.0	-	5.4	-	-	-
90.0	200.0	-	-	-	0.0	-	5.0	-	-	-	-	-
93.0	110.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0	140.0	-	-	-	0.0	-	4.7	-	0.0	-	-	-
93.0	150.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-
93.0	160.0	-	-	-	0.0	-	0.0	-	5.3	-	-	-
93.0	180.0	-	-	-	0.0	-	5.2	-	5.6	-	-	-
93.0	200.0	-	-	-	5.0	-	0.0	-	-	-	-	-

TABLE 4. (cont.)

Scombridae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	24.0	0.0	-	0.0	-	-	-	0.0	4.8	-	-	-

Auxis spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
133.0	23.0	0.0	-	0.0	-	-	-	0.0	6.1	-	-	-
133.0	60.0	0.0	-	0.0	-	-	-	0.0	5.9	-	-	-

Euthynnus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
133.0	23.0	0.0	-	0.0	-	-	-	0.0	6.1	-	-	-

Scomber japonicus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	42.0	0.0	-	0.0	0.0	9.3	-	96.6	0.0	-	-	-
83.0	51.0	0.0	-	0.0	0.0	-	-	0.0	20.6	-	-	-
83.0	55.0	0.0	-	0.0	0.0	-	-	40.5	0.0	-	-	-
83.0	60.0	0.0	-	0.0	0.0	0.0	-	100.4	0.0	-	-	-
87.0	35.0	0.0	-	0.0	0.0	0.0	-	24.3	0.0	-	-	-
87.0	36.0	0.0	-	0.0	0.0	-	-	47.3	0.0	-	-	-
87.0	40.0	0.0	-	0.0	0.0	510.7	-	48.6	0.0	-	-	-
87.0	50.0	0.0	-	0.0	0.0	0.0	-	11.4	0.0	-	-	-
87.0	55.0	0.0	-	0.0	0.0	0.0	-	67.0	0.0	-	-	-
90.0	27.6	0.0	-	0.0	14.8	0.0	-	0.0	0.0	-	-	-
90.0	28.0	0.0	-	0.0	0.0	0.0	-	0.0	11.2	-	-	-
90.0	29.0	0.0	-	0.0	0.0	0.0	-	0.0	55.0	-	-	-
90.0	30.0	0.0	-	0.0	0.0	74.8	-	12.0	0.0	-	-	-
90.0	31.0	0.0	-	0.0	0.0	133.4	-	22.4	0.0	-	-	-
90.0	33.0	0.0	-	0.0	0.0	500.8	-	10.0	0.0	-	-	-
90.0	37.0	0.0	-	0.0	0.0	32.9	-	36.4	0.0	-	-	-
90.0	53.0	0.0	-	0.0	0.0	0.0	24.5	-	0.0	-	-	-
90.0	60.0	0.0	-	0.0	0.0	0.0	10.7	-	0.0	-	-	-
90.0	70.0	0.0	-	0.0	0.0	0.0	7.8	-	0.0	-	-	-
93.0	26.7	0.0	-	0.0	0.0	0.0	58.6	19.4	-	-	-	-
93.0	26.9	0.0	-	5.2	-	0.0	-	0.0	-	-	-	-
93.0	28.0	0.0	-	0.0	-	0.0	159.7	-	0.0	-	-	-
93.0	29.0	0.0	-	0.0	-	0.0	149.7	-	0.0	-	-	-
93.0	40.0	0.0	-	0.0	-	23.0	0.0	-	0.0	-	-	-
93.0	45.0	0.0	-	12.3	-	11.8	0.0	-	0.0	-	-	-
93.0	50.0	0.0	-	0.0	-	0.0	55.6	-	0.0	-	-	-
93.0	55.0	0.0	-	0.0	-	0.0	13.4	-	0.0	-	-	-

TABLE 4. (cont.)

<i>Scomber japonicus</i> (cont.)												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	30.0	0.0	0.0	0.0	0.0	0.0	66.4	-	0.0	-	-	-
97.0	32.0	0.0	0.0	0.0	0.0	0.0	6.2	-	0.0	-	-	-
97.0	35.0	0.0	0.0	0.0	0.0	0.0	10.5	-	0.0	-	-	-
97.0	50.0	0.0	0.0	0.0	0.0	0.0	24.2	-	0.0	-	-	-
97.0	55.0	0.0	0.0	0.0	0.0	0.0	22.0	-	0.0	-	-	-
97.0	60.0	0.0	0.0	0.0	0.0	0.0	10.7	-	0.0	-	-	-
103.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	-	-	-
107.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	350.2	-	-	-
110.0	32.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	197.1	-	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	-	9.7	23.4	-	-	-
117.0	25.0	0.0	0.0	0.0	0.0	0.0	-	21.4	57.0	-	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	-	8.6	0.0	-	-	-
120.0	24.0	0.0	0.0	0.0	0.0	0.0	-	0.0	361.0	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	-	5.6	607.0	-	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	-	-	5.6	-	-	-
130.0	28.0	4.6	0.0	0.0	0.0	0.0	-	0.0	28.4	-	-	-
133.0	23.0	15.1	0.0	0.0	0.0	0.0	-	27.5	42.5	-	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	16.4	0.0	-	-	-

<i>Lepidopus xantusi</i>												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	-	0.0	45.2	-	-	-
113.0	45.0	0.0	0.0	0.0	0.0	0.0	-	0.0	5.9	-	-	-
113.0	70.0	0.0	0.0	0.0	0.0	0.0	5.3	-	6.0	-	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	10.3	-	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	-	0.0	5.9	-	-	-
117.0	60.0	0.0	0.0	0.0	0.0	0.0	-	5.6	5.7	-	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	-	6.8	5.6	-	-	-
127.0	45.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-
127.0	50.0	0.0	0.0	0.0	0.0	0.0	-	0.0	5.6	-	-	-

<i>Sphyaena argentea</i>												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	32.7	0.0	0.0	0.0	0.0	0.0	-	0.0	4.7	-	-	-
90.0	27.6	0.0	0.0	0.0	4.9	0.0	-	0.0	0.0	-	-	-
120.0	24.0	0.0	0.0	0.0	0.0	0.0	-	0.0	14.3	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	-	0.0	16.3	-	-	-
130.0	28.0	0.0	0.0	0.0	0.0	0.0	-	0.0	9.5	-	-	-

TABLE 4. (cont.)

Icichthys lockingtoni

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	60.0	0.0	-	0.0	0.0	0.0	-	10.8	0.0	-	-	-
60.0	65.0	0.0	-	-	-	-	-	21.9	0.0	-	-	-
60.0	70.0	6.1	-	0.0	-	0.0	-	0.0	21.9	-	-	-
60.0	80.0	0.0	-	-	-	0.0	-	0.0	5.7	-	-	-
60.0	90.0	-	-	0.0	0.0	0.0	-	0.0	10.9	-	-	-
63.0	60.0	0.0	-	0.0	-	-	-	25.0	0.0	-	-	-
63.0	65.0	0.0	-	0.0	-	-	-	13.5	0.0	-	-	-
67.0	55.0	0.0	-	0.0	11.0	0.0	-	23.2	0.0	-	-	-
67.0	60.0	0.0	-	0.0	11.0	0.0	-	44.5	11.7	-	-	-
67.0	65.0	0.0	-	0.0	-	-	-	11.5	0.0	-	-	-
67.0	70.0	0.0	-	0.0	-	31.8	-	5.6	0.0	-	-	-
67.0	90.0	0.0	-	0.0	-	0.0	-	10.0	0.0	-	-	-
70.0	53.0	0.0	-	0.0	0.0	24.5	-	0.0	0.0	-	-	-
70.0	60.0	0.0	-	0.0	0.0	12.4	-	0.0	0.0	-	-	-
70.0	65.0	0.0	-	10.4	0.0	-	-	9.7	0.0	-	-	-
70.0	70.0	0.0	-	10.5	0.0	0.0	-	32.7	11.2	-	-	-
70.0	90.0	11.9	-	11.1	0.0	0.0	-	0.0	0.0	-	-	-
73.0	50.0	0.0	-	0.0	0.0	20.0	-	10.8	0.0	-	-	-
73.0	53.0	0.0	-	0.0	0.0	24.0	-	37.3	0.0	-	-	-
73.0	60.0	10.8	-	0.0	0.0	0.0	-	11.1	0.0	-	-	-
73.0	65.0	0.0	-	18.3	0.0	0.0	-	0.0	0.0	-	-	-
73.0	70.0	0.0	-	8.1	0.0	11.6	-	0.0	0.0	-	-	-
73.0	90.0	0.0	-	5.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	51.0	0.0	-	0.0	10.4	0.0	-	0.0	0.0	-	-	-
77.0	60.0	0.0	-	12.5	0.0	53.6	-	9.8	0.0	-	-	-
77.0	65.0	0.0	-	11.0	11.0	-	-	0.0	0.0	-	-	-
77.0	70.0	0.0	-	0.0	0.0	47.5	-	0.0	0.0	-	-	-
77.0	80.0	0.0	-	11.1	0.0	0.0	-	0.0	0.0	-	-	-
77.0	90.0	0.0	-	0.0	0.0	0.0	-	5.5	0.0	-	-	-
80.0	70.0	0.0	-	0.0	0.0	0.0	-	10.9	0.0	-	-	-
80.0	80.0	0.0	-	10.5	-	20.7	-	11.4	0.0	-	-	-
80.0	90.0	0.0	-	0.0	-	9.8	-	20.4	0.0	-	-	-
83.0	55.0	0.0	-	8.1	0.0	-	-	0.0	0.0	-	-	-
83.0	60.0	0.0	-	9.8	0.0	17.2	-	0.0	0.0	-	-	-
83.0	70.0	0.0	-	10.0	0.0	0.0	-	23.8	0.0	-	-	-
83.0	80.0	0.0	-	0.0	0.0	25.5	-	0.0	0.0	-	-	-
87.0	35.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	-	0.0	0.0	0.0	-	12.1	0.0	-	-	-
87.0	70.0	0.0	-	0.0	10.8	0.0	-	32.1	10.8	-	-	-
87.0	80.0	0.0	-	-	-	5.0	-	0.0	0.0	-	-	-
90.0	60.0	0.0	-	0.0	0.0	5.4	5.4	-	0.0	-	-	-
90.0	70.0	0.0	-	0.0	0.0	0.0	15.7	-	0.0	-	-	-
90.0	90.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-	-
93.0	45.0	0.0	-	0.0	0.0	11.8	0.0	-	0.0	-	-	-
93.0	90.0	0.0	-	-	-	0.0	0.0	-	0.0	-	-	-
100.0	70.0	0.0	-	-	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Icichthys lockingtoni (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
103.0	50.0	0.0	0.0	-	0.0	-	5.8	-	0.0	-	-	-
103.0	70.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
110.0	50.0	0.0	0.0	-	0.0	-	0.0	0.0	6.2	-	-	-

Cubiceps caeruleus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	110.0	-	-	-	0.0	-	0.0	-	5.4	-	-	-

Psenes pellucidus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	100.0	-	-	-	0.0	-	-	-	5.8	-	-	-
110.0	70.0	0.0	0.0	-	-	-	0.0	-	5.9	-	-	-
117.0	50.0	0.0	0.0	-	-	-	-	0.0	6.3	-	-	-
123.0	60.0	-	-	0.0	-	-	-	0.0	6.5	-	-	-
133.0	60.0	5.3	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0	60.0	0.0	-	0.0	-	-	-	5.9	-	-	-	-

Peprilus similimus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	50.0	0.0	-	0.0	18.0	-	-	0.0	0.0	-	-	-
67.0	55.0	0.0	-	0.0	0.0	0.0	-	0.0	10.3	-	-	-
73.0	50.0	0.0	-	9.8	0.0	0.0	-	0.0	0.0	-	-	-
80.0	51.0	0.0	-	0.0	0.0	0.0	-	0.0	10.2	-	-	-
80.0	52.0	6.2	-	20.7	0.0	-	-	0.0	0.0	-	-	-
80.0	60.0	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
82.0	47.0	0.0	-	10.7	0.0	-	-	12.1	0.0	-	-	-
83.0	40.6	0.0	-	-	0.0	0.0	-	0.0	8.8	-	-	-
83.0	42.0	5.4	-	31.8	12.7	0.0	-	41.4	12.2	-	-	-
83.0	51.0	0.0	-	0.0	11.6	-	-	0.0	10.3	-	-	-
83.0	55.0	0.0	-	0.0	0.0	-	-	27.0	0.0	-	-	-
87.0	32.5	15.1	-	12.1	0.0	0.0	-	4.1	9.9	-	-	-
87.0	32.7	10.2	-	28.9	4.3	0.0	-	0.0	0.0	-	-	-
87.0	33.0	8.7	-	16.4	0.0	0.0	-	0.0	0.0	-	-	-
87.0	34.0	0.0	-	4.4	0.0	-	-	0.0	0.0	-	-	-
87.0	35.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
87.0	36.0	0.0	-	11.1	37.0	0.0	-	0.0	0.0	-	-	-
87.0	40.0	0.0	-	5.8	0.0	0.0	-	0.0	0.0	-	-	-
87.0	50.0	0.0	0.0	-	0.0	0.0	-	11.4	0.0	-	-	-
90.0	27.6	0.0	10.6	-	0.0	0.0	-	0.0	0.0	-	-	-
90.0	29.0	5.5	0.0	-	48.3	0.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Peprilus similimus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	30.0	0.0	10.5	0.0	10.8	0.0	-	0.0	0.0	-	-	-
90.0	31.0	0.0	0.0	0.0	38.1	11.1	-	0.0	0.0	-	-	-
90.0	33.0	0.0	0.0	0.0	68.7	11.6	-	0.0	0.0	-	-	-
93.0	26.7	0.0	0.0	4.0	-	0.0	0.0	0.0	-	-	-	-
93.0	26.9	0.0	4.9	62.0	-	0.0	0.0	0.0	0.0	-	-	-
93.0	28.0	0.0	0.0	33.1	-	0.0	0.0	-	-	-	-	-
93.0	29.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-	-	-
97.0	29.0	0.0	0.0	18.8	0.0	-	0.0	-	10.1	-	-	-
97.0	30.0	0.0	0.0	0.0	4.4	-	0.0	-	0.0	-	-	-
97.0	32.0	0.0	0.0	23.4	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	0.0	0.0	0.0	5.0	-	0.0	-	0.0	-	-	-
100.0	30.0	0.0	0.0	0.0	36.4	-	0.0	-	0.0	-	-	-
107.0	31.0	0.0	0.0	0.0	15.5	-	0.0	0.0	13.2	-	-	-
107.0	32.0	0.0	0.0	0.0	0.0	-	0.0	0.0	35.0	-	-	-
117.0	25.0	-	8.4	0.0	-	-	-	0.0	0.0	-	-	-
117.0	30.0	-	4.8	0.0	-	-	-	0.0	0.0	-	-	-
118.0	39.0	-	0.0	5.2	-	-	-	0.0	0.0	-	-	-
120.0	24.0	-	75.1	-	-	-	-	0.0	0.0	-	-	-
120.0	40.0	-	0.0	-	-	-	-	0.0	0.0	-	-	-
130.0	28.0	-	69.3	-	-	-	-	0.0	0.0	-	-	-
133.0	23.0	-	40.2	-	-	-	-	0.0	0.0	-	-	-
137.0	23.0	-	4.6	-	-	-	-	0.0	0.0	-	-	-

Tetragonurus cuvieri

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	80.0	0.0	-	-	-	9.3	-	0.0	-	-	-	-
63.0	90.0	-	-	-	-	0.0	-	0.0	5.6	-	-	-
67.0	90.0	0.0	-	0.0	-	0.0	-	0.0	5.5	-	-	-
70.0	90.0	0.0	-	0.0	-	0.0	-	5.1	5.3	-	-	-
73.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	11.2	-	-	-
77.0	80.0	0.0	-	0.0	-	0.0	-	14.8	0.0	-	-	-
83.0	40.6	0.0	-	0.0	4.3	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	10.8	-	-	-
90.0	53.0	0.0	-	0.0	0.0	12.3	0.0	0.0	0.0	-	-	-
90.0	90.0	0.0	-	0.0	0.0	0.0	5.4	-	0.0	-	-	-
97.0	100.0	-	-	-	0.0	-	-	-	5.8	-	-	-
100.0	70.0	0.0	-	-	-	-	0.0	-	0.0	-	-	-
100.0	80.0	0.0	-	-	5.0	-	0.0	-	0.0	-	-	-
103.0	50.0	0.0	-	0.0	0.0	-	2.8	-	0.0	-	-	-
103.0	60.0	4.7	-	-	-	-	0.0	-	0.0	-	-	-
103.0	70.0	0.0	-	-	-	-	0.0	-	0.0	-	-	-
107.0	90.0	-	5.1	-	-	-	0.0	-	5.7	-	-	-
110.0	50.0	0.0	-	-	0.0	-	0.0	0.0	6.2	-	-	-
113.0	45.0	0.0	-	-	0.0	-	0.0	0.0	5.9	-	-	-

TABLE 4. (cont.)

Tetragonurus cuvieri (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	50.0	0.0	0.0	-	0.0	-	10.8	0.0	0.0	-	-	-
117.0	50.0	0.0	0.0	-	-	-	-	0.0	6.3	-	-	-
117.0	60.0	0.0	0.0	-	-	-	-	5.6	0.0	-	-	-
118.0	39.0	0.0	0.0	-	-	-	-	0.0	6.2	-	-	-
120.0	70.0	0.0	-	0.0	-	-	-	0.0	6.4	-	-	-

Chiasmodontidae

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	120.0	-	-	-	0.0	-	0.0	-	5.3	-	-	-
93.0	70.0	0.0	0.0	5.0	0.0	0.0	0.0	-	0.0	-	-	-
93.0	90.0	0.0	0.0	-	0.0	4.9	0.0	-	0.0	-	-	-
97.0	60.0	0.0	6.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	70.0	5.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	80.0	0.0	0.0	-	9.7	0.0	-	-	0.0	-	-	-
97.0	90.0	0.0	0.0	-	5.3	0.0	-	-	0.0	-	-	-
100.0	70.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-	-
100.0	80.0	0.0	0.0	-	5.0	-	0.0	-	0.0	-	-	-
100.0	90.0	4.5	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	60.0	0.0	10.8	-	-	-	0.0	-	0.0	-	-	-
103.0	70.0	0.0	5.1	-	-	-	2.8	-	0.0	-	-	-
107.0	40.0	0.0	0.0	-	8.2	-	0.0	-	0.0	-	-	-
107.0	45.0	4.8	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	60.0	0.0	5.5	-	-	-	0.0	-	0.0	-	-	-
107.0	70.0	0.0	0.0	-	-	-	5.4	-	0.0	-	-	-
110.0	40.0	0.0	5.1	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	45.0	0.0	0.0	-	0.0	-	0.0	0.0	6.6	-	-	-
110.0	50.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	70.0	11.1	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	35.0	0.0	5.5	-	0.0	-	0.0	-	0.0	-	-	-
113.0	60.0	0.0	0.0	-	0.0	-	5.4	0.0	0.0	-	-	-
113.0	70.0	0.0	5.4	-	-	-	0.0	0.0	0.0	-	-	-
117.0	60.0	0.0	0.0	-	-	-	-	0.0	5.7	-	-	-
117.0	70.0	0.0	0.0	-	-	-	-	0.0	5.9	-	-	-
120.0	50.0	0.0	-	0.0	-	-	-	0.0	6.1	-	-	-
120.0	70.0	5.0	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	80.0	5.2	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	45.0	0.0	-	0.0	-	-	-	0.0	0.0	-	-	-
127.0	45.0	0.0	-	0.0	-	-	-	0.0	12.1	-	-	-
130.0	50.0	0.0	-	0.0	-	-	-	0.0	5.3	-	-	-
130.0	60.0	0.0	-	0.0	-	-	-	0.0	6.0	-	-	-
133.0	35.0	5.3	-	0.0	-	-	-	0.0	5.8	-	-	-
133.0	50.0	0.0	-	5.7	-	-	-	0.0	0.0	-	-	-
137.0	35.0	0.0	-	0.0	-	-	-	11.8	0.0	-	-	-
								0.0	5.1	-	-	-

TABLE 4. (cont.)

Pleuronectiformes												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	53.0	0.0	-	0.0	0.0	12.2	-	0.0	0.0	-	-	-
127.0	34.0	4.2	-	0.0	-	-	-	0.0	0.0	-	-	-
<i>Citharichthys</i> spp.												
STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	21.0	-	0.0	11.4	0.0	-	0.0	78.3	-	-	-
60.0	60.0	10.7	-	0.0	0.0	0.0	-	64.8	33.4	-	-	-
60.0	65.0	20.0	-	-	-	-	-	0.0	32.2	-	-	-
60.0	70.0	24.3	-	0.0	-	0.0	-	45.2	0.0	-	-	-
60.0	80.0	11.5	-	-	-	0.0	-	0.0	10.9	-	-	-
63.0	50.0	0.0	-	0.0	9.0	0.0	-	0.0	0.0	-	-	-
63.0	52.0	10.5	-	0.0	66.2	0.0	-	0.0	77.0	-	-	-
63.0	55.0	33.2	-	0.0	11.1	32.2	-	0.0	41.3	-	-	-
63.0	60.0	0.0	-	10.2	0.0	36.1	-	0.0	87.5	-	-	-
63.0	65.0	0.0	-	9.5	-	-	-	0.0	0.0	-	-	-
63.0	70.0	24.4	-	11.5	-	0.0	-	0.0	0.0	-	-	-
63.0	80.0	10.0	-	-	-	0.0	-	0.0	-	-	-	-
66.0	49.0	4.7	-	9.6	0.0	0.0	-	0.0	0.0	-	-	-
67.0	50.0	0.0	-	0.0	0.0	0.0	-	0.0	123.0	-	-	-
67.0	55.0	0.0	-	0.0	0.0	14.1	-	0.0	93.1	-	-	-
67.0	60.0	0.0	-	0.0	0.0	47.0	-	11.6	0.0	-	-	-
67.0	65.0	11.3	-	0.0	-	-	-	0.0	46.9	-	-	-
67.0	70.0	12.5	-	0.0	-	10.6	-	0.0	0.0	-	-	-
67.0	90.0	11.1	-	0.0	-	0.0	-	0.0	0.0	-	-	-
70.0	51.0	0.0	-	0.0	0.0	0.0	-	10.5	0.0	-	-	-
70.0	53.0	0.0	-	0.0	0.0	36.8	-	30.1	0.0	-	-	-
70.0	60.0	10.4	-	0.0	0.0	49.7	-	0.0	0.0	-	-	-
70.0	65.0	11.6	-	0.0	0.0	-	-	9.7	12.0	-	-	-
70.0	70.0	35.7	-	10.5	0.0	0.0	-	0.0	0.0	-	-	-
73.0	50.0	0.0	-	9.8	0.0	40.0	-	0.0	0.0	-	-	-
73.0	53.0	10.1	-	11.5	20.4	24.0	-	0.0	0.0	-	-	-
73.0	60.0	10.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	65.0	0.0	-	9.2	0.0	-	-	0.0	0.0	-	-	-
73.0	70.0	0.0	-	8.1	0.0	46.4	-	0.0	0.0	-	-	-
73.0	90.0	5.7	-	0.0	-	0.0	-	0.0	0.0	-	-	-
77.0	48.0	3.7	-	0.0	0.0	-	-	0.0	0.0	-	-	-
77.0	51.0	20.7	-	0.0	0.0	28.8	-	0.0	52.6	-	-	-
77.0	55.0	52.3	-	10.2	0.0	37.5	-	0.0	0.0	-	-	-
77.0	60.0	22.3	-	12.5	0.0	0.0	-	9.8	11.4	-	-	-
77.0	70.0	0.0	-	0.0	0.0	94.9	-	0.0	0.0	-	-	-
77.0	80.0	0.0	-	0.0	-	0.0	-	44.5	10.5	-	-	-
80.0	51.0	11.5	-	0.0	5.1	0.0	-	0.0	0.0	-	-	-
80.0	52.0	0.0	-	5.2	0.0	-	-	0.0	0.0	-	-	-
80.0	55.0	10.7	-	10.7	0.0	0.0	-	0.0	11.2	-	-	-
									0.0			

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	60.0	0.0	-	0.0	0.0	0.0	-	20.1	0.0	-	-	-
80.0	70.0	0.0	-	0.0	10.8	24.9	-	32.8	0.0	-	-	-
80.0	80.0	33.8	-	0.0	-	10.4	-	11.4	0.0	-	-	-
80.0	90.0	0.0	-	0.0	-	0.0	-	5.1	0.0	-	-	-
82.0	47.0	0.0	-	10.7	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	5.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	55.0	0.0	-	0.0	34.7	-	-	0.0	133.8	-	-	-
83.0	60.0	0.0	-	0.0	11.4	-	-	0.0	10.8	-	-	-
83.0	70.0	0.0	-	0.0	0.0	68.7	-	145.0	0.0	-	-	-
83.0	80.0	0.0	-	0.0	0.0	25.5	-	11.9	42.0	-	-	-
87.0	32.7	0.0	-	0.0	-	0.0	-	4.9	5.9	-	-	-
87.0	33.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	34.0	0.0	-	5.4	0.0	0.0	-	0.0	0.0	-	-	-
87.0	35.0	5.4	-	26.5	0.0	-	-	0.0	0.0	-	-	-
87.0	36.0	0.0	-	6.4	10.7	0.0	-	12.1	0.0	-	-	-
87.0	40.0	0.0	-	16.7	10.6	-	-	11.8	0.0	-	-	-
87.0	45.0	5.4	-	34.9	0.0	0.0	-	0.0	13.5	-	-	-
87.0	55.0	0.0	-	23.8	0.0	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	-	-	0.0	0.0	-	38.3	0.0	-	-	-
87.0	70.0	0.0	-	-	0.0	0.0	-	32.1	0.0	-	-	-
87.0	80.0	0.0	-	-	0.0	0.0	-	5.0	0.0	-	-	-
87.0	90.0	5.3	-	-	-	0.0	-	5.2	0.0	-	-	-
90.0	28.0	0.0	-	-	-	0.0	-	4.4	0.0	-	-	-
90.0	29.0	0.0	-	-	0.0	0.0	-	11.6	0.0	-	-	-
90.0	30.0	5.5	-	-	0.0	12.4	-	10.3	11.0	-	-	-
90.0	31.0	0.0	-	-	10.8	21.4	-	0.0	0.0	-	-	-
90.0	33.0	0.0	-	-	0.0	0.0	-	11.2	0.0	-	-	-
90.0	37.0	24.1	-	-	0.0	0.0	-	10.0	0.0	-	-	-
90.0	45.0	0.0	-	-	0.0	11.0	-	12.1	0.0	-	-	-
90.0	53.0	10.1	-	-	10.8	0.0	0.0	-	-	-	-	-
90.0	60.0	0.0	-	-	4.8	12.3	0.0	-	0.0	-	-	-
90.0	70.0	0.0	-	-	0.0	0.0	0.0	-	11.5	-	-	-
90.0	80.0	10.6	-	-	0.0	0.0	7.8	-	5.7	-	-	-
90.0	90.0	5.6	-	-	0.0	0.0	0.0	-	0.0	-	-	-
90.0	100.0	0.0	-	-	0.0	-	5.4	-	0.0	-	-	-
93.0	26.7	4.4	-	0.0	-	0.0	0.0	0.0	-	-	-	-
93.0	26.9	4.9	-	0.0	-	0.0	-	9.5	0.0	-	-	-
93.0	28.0	20.0	-	0.0	-	0.0	0.0	-	12.0	-	-	-
93.0	29.0	5.4	-	0.0	-	-	0.0	-	0.0	-	-	-
93.0	30.0	0.0	-	0.0	-	12.4	0.0	-	0.0	-	-	-
93.0	35.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	40.0	0.0	-	0.0	-	11.5	0.0	-	13.2	-	-	-
93.0	45.0	21.2	-	0.0	-	0.0	0.0	-	21.3	-	-	-
93.0	50.0	0.0	-	12.3	-	0.0	0.0	-	0.0	-	-	-
93.0	55.0	0.0	-	0.0	-	0.0	55.6	-	0.0	-	-	-
93.0	55.0	5.2	-	0.0	-	0.0	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	60.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	70.0	3.9	5.4	0.0	-	0.0	0.0	-	16.1	-	-	-
93.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	-	11.9	-	-	-
97.0	29.0	14.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	30.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	35.0	4.9	0.0	-	9.0	-	13.9	-	0.0	-	-	-
97.0	40.0	0.0	20.6	-	0.0	-	0.0	-	0.0	-	-	-
97.0	45.0	10.4	6.0	-	10.1	-	5.0	-	12.2	-	-	-
97.0	50.0	0.0	5.9	-	0.0	-	0.0	-	0.0	-	-	-
97.0	60.0	5.7	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	20.9	0.0	-	5.0	-	0.0	-	0.0	-	-	-
100.0	30.0	0.0	0.0	-	9.1	-	0.0	-	0.0	-	-	-
100.0	35.0	0.0	0.0	-	21.1	-	0.0	-	0.0	-	-	-
100.0	40.0	4.8	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	50.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	5.1	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	70.0	5.7	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	30.0	3.3	0.0	-	0.0	-	0.0	-	22.9	-	-	-
103.0	40.0	-	0.0	-	0.0	-	13.5	-	0.0	-	-	-
103.0	45.0	-	0.0	-	0.0	-	5.2	-	0.0	-	-	-
103.0	50.0	0.0	0.0	-	0.0	-	11.6	-	0.0	-	-	-
103.0	70.0	3.0	0.0	-	-	-	0.0	-	0.0	-	-	-
107.0	31.0	0.0	5.4	-	0.0	-	-	0.0	66.0	-	-	-
107.0	32.0	0.0	0.0	-	0.0	-	11.4	0.0	0.0	-	-	-
107.0	35.0	5.4	0.0	-	11.0	-	0.0	0.0	0.0	-	-	-
107.0	45.0	5.2	0.0	-	0.0	-	-	-	0.0	-	-	-
110.0	32.4	4.4	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	35.0	5.3	0.0	-	0.0	-	10.9	4.9	0.0	-	-	-
110.0	40.0	0.0	0.0	-	0.0	-	0.0	0.0	25.9	-	-	-
110.0	45.0	0.0	0.0	-	0.0	-	0.0	0.0	26.6	-	-	-
113.0	29.0	0.0	4.3	-	0.0	-	-	3.9	0.0	-	-	-
113.0	30.0	3.9	53.3	-	0.0	-	-	13.5	0.0	-	-	-
113.0	35.0	0.0	5.1	-	0.0	-	-	-	245.7	-	-	-
113.0	40.0	0.0	0.0	-	0.0	-	-	0.0	11.3	-	-	-
113.0	45.0	0.0	0.0	-	0.0	-	-	0.0	11.9	-	-	-
113.0	50.0	0.0	5.3	-	0.0	-	0.0	0.0	24.7	-	-	-
113.0	60.0	0.0	0.0	-	0.0	-	0.0	5.2	0.0	-	-	-
117.0	25.0	4.2	-	-	-	-	-	0.0	68.4	-	-	-
117.0	26.0	12.9	0.0	-	-	-	-	0.0	39.1	-	-	-
117.0	30.0	4.8	118.9	-	-	-	-	19.6	20.4	-	-	-
117.0	35.0	4.7	0.0	-	-	-	-	75.2	20.5	-	-	-
117.0	40.0	4.3	5.8	-	-	-	-	13.7	5.9	-	-	-
117.0	45.0	0.0	22.9	-	-	-	-	0.0	0.0	-	-	-
118.0	39.0	0.0	5.2	-	-	-	-	0.0	0.0	-	-	-
119.0	33.0	0.0	-	-	-	-	-	0.0	12.4	-	-	-
120.0	24.0	4.0	-	-	-	-	-	171.5	93.3	-	-	-
120.0	25.0	3.9	-	-	-	-	-	211.7	171.0	-	-	-
								23.4	233.1	-	-	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
120.0	30.0	0.0	-	9.3	-	-	-	400.0	190.6	-	-	-
120.0	35.0	0.0	-	17.4	-	-	-	444.8	11.4	-	-	-
120.0	40.0	0.0	-	4.0	-	-	-	30.1	0.0	-	-	-
120.0	45.0	0.0	-	0.0	-	-	-	33.0	5.6	-	-	-
120.0	60.0	20.8	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	70.0	5.0	-	0.0	-	-	-	0.0	0.0	-	-	-
123.0	36.0	27.4	-	0.0	-	-	-	14.2	0.0	-	-	-
123.0	37.0	14.1	-	0.0	-	-	-	0.0	0.0	-	-	-
123.0	45.0	33.6	-	9.2	-	-	-	-	5.8	-	-	-
123.0	50.0	162.9	-	0.0	-	-	-	0.0	0.0	-	-	-
127.0	34.0	29.6	-	0.0	-	-	-	-	0.0	-	-	-
127.0	40.0	-	-	0.0	-	-	-	0.0	0.0	-	-	-
130.0	28.0	23.1	-	9.5	-	-	-	0.0	5.5	-	-	-
130.0	30.0	4.9	-	4.9	-	-	-	11.2	11.6	-	-	-
130.0	35.0	79.1	-	15.9	-	-	-	11.7	14.2	-	-	-
130.0	40.0	0.0	-	0.0	-	-	-	0.0	5.4	-	-	-
130.0	50.0	0.0	-	0.0	-	-	-	0.0	11.0	-	-	-
130.0	50.0	0.0	-	0.0	-	-	-	0.0	6.4	-	-	-
133.0	23.0	100.6	-	9.8	-	-	-	16.5	133.5	-	-	-
133.0	25.0	88.9	-	23.0	-	-	-	5.5	41.8	-	-	-
133.0	30.0	63.2	-	4.9	-	-	-	6.4	83.8	-	-	-
133.0	35.0	216.9	-	0.0	-	-	-	0.0	0.0	-	-	-
133.0	40.0	0.0	-	0.0	-	-	-	6.2	0.0	-	-	-
137.0	22.0	0.0	-	0.0	-	-	-	32.2	-	-	-	-
137.0	23.0	9.1	-	22.9	-	-	-	5.6	-	-	-	-
137.0	30.0	33.1	-	88.9	-	-	-	5.6	5.9	-	-	-
137.0	35.0	16.1	-	0.0	-	-	-	5.5	0.0	-	-	-
137.0	50.0	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-

Citharichthys stigmaeus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	0.0	0.0	0.0	-	0.0	10.8	-	-	-
60.0	55.0	0.0	-	11.0	0.0	0.0	-	0.0	0.0	-	-	-
60.0	60.0	10.7	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
60.0	65.0	30.1	-	-	-	-	-	0.0	0.0	-	-	-
60.0	70.0	0.0	-	7.7	-	0.0	-	0.0	0.0	-	-	-
60.0	80.0	5.7	-	-	-	0.0	-	0.0	0.0	-	-	-
63.0	60.0	10.4	-	20.5	0.0	0.0	-	5.3	0.0	-	-	-
63.0	65.0	0.0	-	9.5	-	-	-	0.0	0.0	-	-	-
63.0	70.0	12.2	-	0.0	-	0.0	-	0.0	0.0	-	-	-
63.0	80.0	10.0	-	-	-	9.3	-	0.0	0.0	-	-	-
66.0	49.0	9.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
67.0	55.0	19.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
67.0	70.0	25.1	-	10.0	-	0.0	-	0.0	11.0	-	-	-
67.0	90.0	5.6	-	0.0	-	0.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

STATION	<i>Citharichthys stigmaeus</i> (cont.)											
	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0		0.0		0.0	0.0	24.5		10.0	0.0			
70.0		10.4		0.0	0.0	12.4		0.0	10.5			
70.0		0.0		0.0	10.3			0.0	0.0			
70.0		11.9		0.0		0.0		0.0	0.0			
73.0		0.0		19.7	0.0	0.0		0.0	0.0			
73.0		10.1		23.0	0.0	24.0		12.4	0.0			
73.0		10.8		29.9	0.0	6.1		0.0	0.0			
73.0		0.0		18.3	10.7			0.0	0.0			
73.0		25.7		0.0	0.0	0.0		0.0	0.0			
73.0		24.3		0.0		0.0		0.0	0.0			
73.0		0.0		5.0		0.0		0.0	0.0			
73.0		0.0		32.8	0.0	0.0		0.0	0.0			
77.0		22.3		12.5	0.0	0.0		0.0	0.0			
77.0		20.3		0.0	0.0			0.0	0.0			
77.0		0.0		22.3	0.0	0.0		0.0	0.0			
77.0		5.4		5.5		0.0		0.0	0.0			
80.0		12.3		0.0	0.0			0.0	0.0			
80.0		32.2		0.0	11.0	0.0		9.9	0.0			
80.0		0.0		0.0	12.1	0.0		20.1	0.0			
80.0		0.0		0.0	21.5	0.0		0.0	0.0			
80.0		11.3		0.0		10.4		0.0	11.7			
82.0		0.0		0.0	0.0			0.0	35.4			
83.0		0.0		5.3	0.0	0.0		4.7	0.0			
83.0		20.5		0.0	11.4			0.0	24.5			
83.0	35.9	0.0		0.0	9.5	0.0		0.0	0.0			
83.0	10.3	0.0		10.0	0.0	10.3		0.0	13.1			
83.0	16.1	0.0		0.0	0.0			0.0	10.5			
87.0	0.0	5.0		0.0	12.3			0.0	0.0			
87.0	5.5	5.6		0.0	0.0			0.0	5.9			
87.0	0.0	0.0		0.0	0.0	12.2		0.0	11.3			
87.0	11.2	10.9		11.9		0.0		0.0	0.0			
87.0	0.0	0.0			0.0	0.0		0.0	0.0			
87.0	0.0	20.5			11.9	0.0		0.0	0.0			
87.0	0.0	25.4			5.7	0.0		9.6	0.0			
87.0	0.0	10.5			0.0	0.0		0.0	0.0			
87.0	10.4	5.3			0.0	0.0		0.0	0.0			
90.0	0.0	5.5			0.0	0.0		0.0	11.0			
90.0	0.0	0.0			0.0	0.0		0.0	0.0			
90.0	0.0	0.0			0.0	0.0		0.0	0.0			
90.0	0.0	0.0			0.0	0.0		0.0	21.9			
90.0	0.0	0.0			0.0	23.3		10.0	12.0			
90.0	27.4	0.0			10.8	11.6						
90.0	0.0	0.0			0.0	0.0	0.0		35.6			
90.0	0.0	5.1			0.0	0.0	0.0		0.0			
93.0	0.0	5.4			0.0	0.0	0.0		0.0			
93.0	0.0	0.0			0.0	12.5	0.0		0.0			
93.0	0.0	0.0				12.4	0.0		0.0			

TABLE 4. (cont.)

Citharichthys stigmæus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
93.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-
93.0	40.0	0.0	0.0	0.0	-	0.0	11.1	-	0.0	-	-	-
93.0	50.0	0.0	0.0	0.0	-	28.7	0.0	-	0.0	-	-	-
93.0	55.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	70.0	0.0	0.0	0.0	-	0.0	0.0	-	5.4	-	-	-
93.5	29.0	-	-	-	-	-	14.3	0.0	-	-	-	-
97.0	32.0	9.4	5.8	-	0.0	-	0.0	-	5.9	-	-	-
97.0	35.0	0.0	0.0	-	18.0	-	14.5	-	0.0	-	-	-
97.0	40.0	16.5	0.0	-	9.8	-	11.5	-	0.0	-	-	-
97.0	45.0	0.0	0.0	-	0.0	-	11.2	-	0.0	-	-	-
97.0	50.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
97.0	55.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	35.0	0.0	5.1	-	0.0	-	0.0	-	0.0	-	-	-
100.0	45.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	80.0	0.0	0.0	-	0.0	-	0.0	-	5.6	-	-	-
103.0	35.0	-	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	45.0	0.0	0.0	-	0.0	-	5.7	-	0.0	-	-	-
103.0	50.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	31.0	0.0	0.0	-	0.0	-	-	0.0	13.2	-	-	-
107.0	32.0	0.0	0.0	-	8.8	-	0.0	-	0.0	-	-	-
107.0	45.0	0.0	5.5	-	0.0	-	-	-	12.7	-	-	-
113.0	40.0	0.0	0.0	-	0.0	-	-	-	5.7	-	-	-

Hippoglossina spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
133.0	23.0	0.0	-	0.0	-	-	-	0.0	12.1	-	-	-

Hippoglossina stomata

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	52.0	6.2	-	0.0	0.0	-	-	0.0	0.0	-	-	-
83.0	40.6	10.2	-	-	4.3	-	-	0.0	0.0	-	-	-
83.0	42.0	0.0	-	0.0	0.0	0.0	-	13.8	0.0	-	-	-
87.0	32.5	3.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	34.0	0.0	-	0.0	20.2	-	-	0.0	0.0	-	-	-
87.0	36.0	0.0	-	5.6	0.0	-	-	0.0	0.0	-	-	-
90.0	27.6	0.0	0.0	-	0.0	0.0	-	0.0	8.8	-	-	-
97.0	29.0	0.0	0.0	-	0.0	-	0.0	-	10.1	-	-	-
100.0	40.0	0.0	0.0	-	0.0	-	5.0	-	0.0	-	-	-
107.0	31.0	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	-
107.0	35.0	0.0	0.0	-	0.0	-	0.0	-	10.4	-	-	-

TABLE 4. (cont.)

Hippoglossina stomata (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	40.0	0.0	0.0	-	0.0	-	-	5.6	0.0	-	-	-
117.0	25.0	0.0	0.0	-	-	-	-	0.0	5.7	-	-	-
117.0	26.0	4.3	0.0	-	-	-	-	0.0	0.0	-	-	-
120.0	25.0	3.9	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	30.0	0.0	-	0.0	-	-	-	12.1	10.3	-	-	-
120.0	35.0	0.0	-	0.0	-	-	-	11.1	0.0	-	-	-
133.0	23.0	0.0	-	0.0	-	-	-	5.5	0.0	-	-	-
133.0	25.0	0.0	-	0.0	-	-	-	0.0	20.9	-	-	-
137.0	30.0	0.0	-	0.0	-	-	-	5.6	0.0	-	-	-

Paralichthys californicus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	40.6	0.0	-	5.3	4.3	0.0	-	4.7	0.0	-	-	-
83.0	42.0	0.0	-	16.1	0.0	0.0	-	0.0	0.0	-	-	-
87.0	32.5	3.8	-	33.7	0.0	0.0	-	0.0	0.0	-	-	-
87.0	32.7	0.0	-	27.3	0.0	0.0	-	0.0	0.0	-	-	-
87.0	33.0	13.1	-	4.4	0.0	0.0	-	0.0	0.0	-	-	-
87.0	34.0	5.0	-	16.7	0.0	-	-	0.0	0.0	-	-	-
87.0	36.0	0.0	-	-	44.5	0.0	-	0.0	0.0	-	-	-
90.0	27.6	0.0	0.0	-	20.9	0.0	-	0.0	8.8	-	-	-
90.0	28.0	11.5	11.0	-	10.8	0.0	-	0.0	0.0	-	-	-
90.0	30.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	-	-	-
93.0	26.7	0.0	22.3	35.5	-	0.0	0.0	0.0	-	-	-	-
93.0	26.9	0.0	0.0	5.2	-	0.0	-	0.0	-	-	-	-
93.0	28.0	0.0	29.5	0.0	-	0.0	0.0	0.0	0.0	-	-	-
97.0	29.0	0.0	23.6	0.0	8.3	0.0	0.0	0.0	0.0	-	-	-
97.0	30.0	0.0	10.1	-	0.0	0.0	0.0	0.0	0.0	-	-	-
97.0	32.0	0.0	5.8	-	0.0	0.0	0.0	0.0	0.0	-	-	-
100.0	30.0	0.0	0.0	-	9.1	0.0	0.0	0.0	0.0	-	-	-
103.0	29.0	0.0	0.0	-	5.0	0.0	0.0	0.0	0.0	-	-	-
103.0	30.0	0.0	4.6	-	0.0	0.0	0.0	0.0	0.0	-	-	-
107.0	31.0	4.5	16.2	-	0.0	0.0	0.0	0.0	26.4	-	-	-
110.0	32.4	0.0	0.0	-	0.0	0.0	0.0	0.0	9.0	-	-	-
113.0	29.0	0.0	0.0	-	9.2	0.0	0.0	0.0	0.0	-	-	-
117.0	25.0	4.2	-	-	-	-	-	0.0	0.0	-	-	-
120.0	24.0	15.8	-	4.1	-	-	-	51.8	4.8	-	-	-
120.0	25.0	0.0	-	4.8	-	-	-	0.0	0.0	-	-	-
120.0	35.0	0.0	-	0.0	-	-	-	22.2	0.0	-	-	-
120.0	40.0	0.0	-	0.0	-	-	-	0.0	4.6	-	-	-
133.0	25.0	0.0	-	4.6	-	-	-	0.0	10.4	-	-	-
137.0	22.0	4.4	-	0.0	-	-	-	0.0	-	-	-	-

TABLE 4. (cont.)

Xystreureys liolepis

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
113.0	29.0	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	-
117.0	25.0	0.0	-	-	-	-	-	0.0	5.7	-	-	-
120.0	24.0	0.0	-	0.0	-	-	-	17.3	0.0	-	-	-
120.0	35.0	0.0	-	0.0	-	-	-	11.1	0.0	-	-	-
130.0	28.0	0.0	-	0.0	-	-	-	9.9	9.5	-	-	-

Glyptocephalus zachirus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	55.0	0.0	-	0.0	0.0	0.0	-	10.9	0.0	-	-	-
60.0	60.0	0.0	-	0.0	0.0	0.0	-	10.8	0.0	-	-	-
63.0	52.0	0.0	-	0.0	9.5	0.0	-	0.0	0.0	-	-	-
63.0	60.0	0.0	-	0.0	0.0	0.0	-	10.6	0.0	-	-	-
67.0	50.0	0.0	-	0.0	10.9	0.0	-	11.2	0.0	-	-	-
67.0	60.0	0.0	-	0.0	0.0	11.8	-	46.4	0.0	-	-	-
70.0	51.0	0.0	-	0.0	0.0	0.0	-	20.9	0.0	-	-	-
70.0	53.0	0.0	-	0.0	0.0	0.0	-	20.1	0.0	-	-	-
70.0	60.0	0.0	-	0.0	0.0	12.4	-	0.0	0.0	-	-	-
73.0	50.0	0.0	-	0.0	18.9	0.0	-	10.8	0.0	-	-	-
73.0	53.0	0.0	-	0.0	10.2	0.0	-	12.4	0.0	-	-	-
80.0	51.0	0.0	-	0.0	0.0	10.4	-	0.0	0.0	-	-	-
80.0	60.0	0.0	-	0.0	0.0	11.7	-	0.0	0.0	-	-	-
80.0	70.0	0.0	-	0.0	0.0	0.0	-	10.9	0.0	-	-	-
83.0	55.0	0.0	-	0.0	0.0	-	-	13.5	0.0	-	-	-
83.0	90.0	0.0	-	0.0	-	0.0	-	4.6	0.0	-	-	-
90.0	53.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-	-
93.0	45.0	0.0	-	0.0	-	0.0	-	-	10.6	-	-	-

Hypsopsetta guttulata

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
87.0	32.5	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	32.7	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	33.0	0.0	-	5.4	0.0	0.0	-	0.0	0.0	-	-	-
87.0	34.0	5.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
87.0	36.0	0.0	-	0.0	0.0	-	-	0.0	0.0	-	-	-
100.0	30.0	0.0	-	-	9.1	-	0.0	-	0.0	-	-	-
117.0	25.0	0.0	-	-	-	-	-	0.0	0.0	-	-	-
120.0	24.0	0.0	-	0.0	-	-	-	0.0	0.0	-	-	-
120.0	25.0	3.9	-	0.0	-	-	-	0.0	4.8	-	-	-

TABLE 4. (cont.)

Isopsetta isolepis

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	53.0	0.0	-	0.0	10.0	0.0	-	0.0	0.0	-	-	-

Lepidopsetta bilineata

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	51.0	0.0	-	0.0	0.0	11.6	-	0.0	0.0	-	-	-

Lyopsetta exilis

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	0.0	-	8.8	0.0	-	-	0.0	0.0	-	-	-
60.0	52.5	-	-	0.0	53.4	12.1	-	0.0	0.0	-	-	-
60.0	55.0	0.0	-	22.0	0.0	9.1	-	21.8	0.0	-	-	-
60.0	60.0	0.0	-	0.0	0.0	0.0	-	10.8	0.0	-	-	-
63.0	52.0	0.0	-	0.0	47.3	29.6	-	0.0	0.0	-	-	-
63.0	55.0	0.0	-	0.0	0.0	43.0	-	10.6	0.0	-	-	-
63.0	60.0	0.0	-	0.0	11.4	18.0	-	0.0	0.0	-	-	-
67.0	50.0	0.0	-	0.0	21.8	27.5	-	44.9	0.0	-	-	-
67.0	55.0	0.0	-	0.0	0.0	0.0	-	13.5	0.0	-	-	-
70.0	51.0	0.0	-	0.0	0.0	11.6	-	31.4	0.0	-	-	-
70.0	53.0	0.0	-	0.0	0.0	0.0	-	10.0	0.0	-	-	-
70.0	60.0	0.0	-	0.0	0.0	12.4	-	0.0	0.0	-	-	-
73.0	50.0	0.0	-	0.0	0.0	10.0	-	0.0	0.0	-	-	-
77.0	51.0	0.0	-	32.8	0.0	0.0	-	0.0	0.0	-	-	-
77.0	70.0	0.0	-	0.0	0.0	0.0	-	5.3	0.0	-	-	-
80.0	51.0	0.0	-	5.0	10.2	0.0	-	0.0	0.0	-	-	-
80.0	52.0	6.2	-	10.4	68.4	-	-	0.0	0.0	-	-	-
80.0	60.0	0.0	-	0.0	12.1	0.0	-	0.0	0.0	-	-	-
83.0	42.0	0.0	-	0.0	12.7	0.0	-	0.0	0.0	-	-	-
87.0	35.0	0.0	-	0.0	10.7	0.0	-	0.0	0.0	-	-	-
87.0	36.0	0.0	-	0.0	12.3	0.0	-	0.0	0.0	-	-	-
90.0	30.0	0.0	-	-	10.8	0.0	-	0.0	0.0	-	-	-
93.0	26.9	0.0	-	0.0	-	5.3	-	0.0	-	-	-	-
97.0	30.0	0.0	-	-	0.0	-	4.0	-	0.0	-	-	-
97.0	32.0	0.0	-	-	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	0.0	-	-	0.0	-	17.6	-	0.0	-	-	-
103.0	30.0	0.0	-	-	5.0	-	4.6	-	0.0	-	-	-
110.0	32.4	0.0	-	-	19.8	-	0.0	0.0	0.0	-	-	-

Microstomus pacificus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	65.0	0.0	-	-	-	-	-	10.9	0.0	-	-	-

TABLE 4. (cont.)

Microstomus pacificus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	52.0	0.0	-	0.0	0.0	22.2	-	0.0	0.0	-	-	-
63.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	10.9	-	-	-
63.0	65.0	0.0	-	0.0	-	-	-	12.5	0.0	-	-	-
67.0	90.0	0.0	-	0.0	-	0.0	-	0.0	5.5	-	-	-
70.0	53.0	0.0	-	11.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	53.0	0.0	-	0.0	10.2	0.0	-	0.0	0.0	-	-	-
73.0	60.0	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
73.0	70.0	0.0	-	0.0	0.0	11.6	-	0.0	0.0	-	-	-
77.0	80.0	0.0	-	0.0	0.0	0.0	-	0.0	10.5	-	-	-
80.0	60.0	0.0	-	0.0	0.0	0.0	-	10.1	0.0	-	-	-
80.0	70.0	0.0	-	0.0	0.0	12.5	-	10.9	10.8	-	-	-
80.0	80.0	0.0	-	0.0	-	0.0	-	0.0	11.7	-	-	-
80.0	90.0	0.0	-	0.0	-	0.0	-	5.1	5.7	-	-	-
83.0	60.0	0.0	-	0.0	0.0	17.2	-	0.0	0.0	-	-	-
83.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	10.5	-	-	-
83.0	80.0	0.0	-	0.0	-	10.2	-	0.0	0.0	-	-	-
83.0	90.0	0.0	-	0.0	-	9.8	-	4.6	0.0	-	-	-
90.0	31.0	0.0	-	-	0.0	11.1	-	0.0	0.0	-	-	-
90.0	33.0	0.0	-	-	0.0	0.0	-	10.0	0.0	-	-	-
90.0	53.0	0.0	-	-	0.0	12.3	0.0	-	0.0	-	-	-
93.0	50.0	0.0	-	0.0	0.0	9.6	0.0	-	0.0	-	-	-
97.0	45.0	0.0	-	-	0.0	-	6.2	-	0.0	-	-	-
100.0	50.0	0.0	-	-	0.0	-	0.0	-	11.3	-	-	-

Parophrys vetulus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	0.0	-	30.9	0.0	-	-	0.0	0.0	-	-	-
60.0	52.5	-	-	130.3	0.0	0.0	-	0.0	0.0	-	-	-
63.0	50.0	8.2	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	52.0	26.3	-	0.0	56.8	0.0	-	0.0	0.0	-	-	-
70.0	51.0	0.0	-	0.0	9.9	0.0	-	0.0	0.0	-	-	-
77.0	51.0	0.0	-	0.0	10.4	0.0	-	0.0	0.0	-	-	-
82.0	47.0	10.7	-	0.0	0.0	-	-	0.0	0.0	-	-	-
83.0	42.0	0.0	-	15.9	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	0.0	-	4.3	0.0	-	-	0.0	0.0	-	-	-
87.0	33.0	4.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	35.0	0.0	-	6.4	0.0	0.0	-	0.0	0.0	-	-	-
90.0	31.0	0.0	-	-	0.0	22.2	-	0.0	0.0	-	-	-
93.0	26.7	0.0	-	0.0	-	9.5	0.0	0.0	-	-	-	-
97.0	32.0	0.0	-	0.0	9.0	-	0.0	0.0	0.0	-	-	-
100.0	29.0	0.0	-	0.0	5.0	-	0.0	-	0.0	-	-	-
103.0	29.0	0.0	-	0.0	5.0	-	0.0	-	0.0	-	-	-
103.0	30.0	8.7	-	-	10.0	-	0.0	-	0.0	-	-	-
107.0	32.0	0.0	-	-	8.8	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

Parophrys vetulus (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
110.0	32.4	0.0	0.0	-	9.9	-	0.0	0.0	0.0	-	-	-

Platichthys stellatus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	0.0	-	17.7	0.0	-	-	0.0	0.0	-	-	-
60.0	52.5	-	-	20.0	10.7	0.0	-	0.0	0.0	-	-	-
60.0	55.0	0.0	-	33.1	0.0	0.0	-	0.0	0.0	-	-	-
63.0	50.0	0.0	-	3.6	0.0	-	-	0.0	0.0	-	-	-
63.0	55.0	0.0	-	0.0	11.1	0.0	-	0.0	0.0	-	-	-
87.0	55.0	0.0	0.0	-	0.0	12.4	-	0.0	0.0	-	-	-

Pleuronichthys coenosus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
63.0	65.0	0.0	-	0.0	-	-	-	0.0	11.1	-	-	-
77.0	51.0	0.0	-	0.0	0.0	0.0	-	0.0	10.5	-	-	-
80.0	51.0	0.0	-	0.0	0.0	0.0	-	0.0	10.2	-	-	-
82.0	47.0	0.0	-	0.0	0.0	-	-	0.0	11.8	-	-	-
83.0	55.0	0.0	-	0.0	0.0	-	-	13.5	0.0	-	-	-
107.0	31.0	0.0	0.0	-	0.0	-	-	0.0	13.2	-	-	-

Pleuronichthys decurrens

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
70.0	60.0	-	-	0.0	0.0	12.4	-	0.0	0.0	-	-	-

Pleuronichthys ritteri

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
80.0	52.0	0.0	-	5.2	0.0	-	-	0.0	0.0	-	-	-
83.0	40.6	0.0	-	-	0.0	0.0	-	0.0	4.4	-	-	-
87.0	32.5	0.0	-	0.0	0.0	0.0	-	4.1	0.0	-	-	-
90.0	27.6	0.0	0.0	-	0.0	0.0	-	4.7	0.0	-	-	-
119.0	33.0	0.0	-	0.0	-	-	-	5.4	0.0	-	-	-
133.0	23.0	0.0	-	0.0	-	-	-	0.0	6.1	-	-	-

Pleuronichthys verticalis

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	40.6	-	-	-	0.0	0.0	-	23.6	13.2	-	-	-

TABLE 4. (cont.)

Pleuronichthys verticalis (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	42.0	0.0	-	0.0	0.0	0.0	-	0.0	12.2	-	-	-
87.0	32.7	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	33.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	34.0	0.0	-	0.0	0.0	0.0	-	10.3	0.0	-	-	-
87.0	36.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	27.6	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
93.0	26.7	0.0	0.0	4.0	0.0	0.0	0.0	0.0	-	-	-	-
93.0	26.9	0.0	0.0	10.3	-	0.0	0.0	0.0	-	-	-	-
97.0	32.0	0.0	5.8	-	0.0	0.0	0.0	0.0	0.0	-	-	-
100.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	-	11.7	-	-	-
103.0	30.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	-	-	-
107.0	31.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	26.4	-	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	-	-	-
120.0	25.0	0.0	-	0.0	-	-	-	0.0	5.4	-	-	-
120.0	30.0	0.0	-	0.0	-	-	-	0.0	15.5	-	-	-

Psettichthys melanostictus

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	0.0	-	4.4	0.0	-	-	9.0	4.8	-	-	-
60.0	52.5	-	-	10.0	10.7	0.0	-	0.0	0.0	-	-	-
63.0	50.0	0.0	-	0.0	18.0	-	-	0.0	0.0	-	-	-
73.0	50.0	0.0	-	0.0	9.5	0.0	-	0.0	0.0	-	-	-

Symphurus spp.

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
97.0	45.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
107.0	35.0	9.3	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
117.0	26.0	0.0	0.0	-	-	-	0.0	0.0	4.9	-	-	-
118.0	39.0	0.0	0.0	-	-	-	-	0.0	6.2	-	-	-
120.0	24.0	0.0	-	0.0	-	-	-	0.0	23.8	-	-	-
120.0	25.0	0.0	-	0.0	-	-	-	0.0	37.9	-	-	-
120.0	40.0	0.0	-	0.0	-	-	-	0.0	4.6	-	-	-
120.0	45.0	0.0	-	0.0	-	-	-	0.0	11.1	-	-	-
120.0	50.0	0.0	-	0.0	-	-	-	0.0	6.1	-	-	-
123.0	42.0	0.0	-	-	-	-	-	-	5.6	-	-	-
123.0	45.0	0.0	-	0.0	-	-	-	-	6.0	-	-	-
123.0	50.0	0.0	-	0.0	-	-	-	0.0	6.2	-	-	-
130.0	28.0	0.0	-	0.0	-	-	-	0.0	9.5	-	-	-
133.0	23.0	0.0	-	0.0	-	-	-	0.0	30.4	-	-	-
133.0	30.0	0.0	-	0.0	-	-	-	0.0	5.2	-	-	-
133.0	35.0	0.0	-	0.0	-	-	-	0.0	11.4	-	-	-
137.0	23.0	4.6	-	0.0	-	-	-	0.0	-	-	-	-

TABLE 4. (cont.)

Disintegrated fish larva

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	50.0	0.0	-	0.0	0.0	-	-	0.0	4.8	-	-	-
60.0	52.0	5.0	-	0.0	-	0.0	-	0.0	0.0	-	-	-
60.0	70.0	103.4	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	50.0	8.2	-	3.6	0.0	7.4	-	0.0	0.0	-	-	-
63.0	52.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
63.0	55.0	0.0	-	0.0	11.1	0.0	-	0.0	0.0	-	-	-
63.0	60.0	0.0	-	10.2	0.0	0.0	-	0.0	0.0	-	-	-
63.0	65.0	0.0	-	18.9	-	-	-	0.0	0.0	-	-	-
63.0	70.0	0.0	-	11.5	-	0.0	-	0.0	0.0	-	-	-
67.0	60.0	0.0	-	0.0	11.0	0.0	-	0.0	0.0	-	-	-
67.0	70.0	12.5	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
67.0	90.0	0.0	-	5.2	-	0.0	-	0.0	0.0	-	-	-
70.0	60.0	0.0	-	9.2	0.0	0.0	-	0.0	0.0	-	-	-
70.0	70.0	11.9	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
70.0	90.0	0.0	-	11.1	0.0	0.0	-	0.0	0.0	-	-	-
73.0	53.0	10.1	-	0.0	10.2	0.0	-	0.0	0.0	-	-	-
73.0	60.0	0.0	-	20.0	11.6	0.0	-	0.0	0.0	-	-	-
73.0	65.0	0.0	-	0.0	0.0	0.0	-	10.3	0.0	-	-	-
73.0	90.0	0.0	-	0.0	0.0	0.0	-	0.0	11.0	-	-	-
77.0	51.0	10.3	-	10.9	0.0	0.0	-	0.0	0.0	-	-	-
77.0	55.0	0.0	-	10.2	0.0	0.0	-	0.0	0.0	-	-	-
77.0	65.0	10.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	70.0	0.0	-	0.0	0.0	0.0	-	10.6	10.9	-	-	-
80.0	51.0	5.8	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	52.0	6.2	-	5.2	0.0	0.0	-	0.0	22.4	-	-	-
80.0	55.0	10.7	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	60.0	0.0	-	10.0	0.0	0.0	-	0.0	0.0	-	-	-
80.0	90.0	0.0	-	0.0	0.0	0.0	-	5.1	0.0	-	-	-
83.0	51.0	22.9	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	55.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	60.0	5.2	-	0.0	0.0	0.0	-	44.6	0.0	-	-	-
83.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	80.0	0.0	-	0.0	0.0	0.0	-	0.0	5.9	-	-	-
83.0	90.0	0.0	-	0.0	0.0	0.0	-	0.0	5.8	-	-	-
87.0	34.0	5.3	-	0.0	0.0	4.9	-	0.0	0.0	-	-	-
87.0	35.0	10.8	-	19.1	0.0	0.0	-	0.0	0.0	-	-	-
87.0	40.0	0.0	-	5.8	0.0	12.2	-	0.0	0.0	-	-	-
87.0	45.0	11.2	-	5.9	0.0	10.4	-	0.0	0.0	-	-	-
87.0	50.0	16.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-
87.0	60.0	0.0	0.0	0.0	5.7	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	0.0	5.1	0.0	-	0.0	0.0	-	-	-
87.0	80.0	10.4	0.0	0.0	5.0	5.0	-	0.0	0.0	-	-	-
87.0	90.0	5.1	6.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	27.6	0.0	0.0	0.0	0.0	0.0	-	0.0	17.6	-	-	-
90.0	28.0	5.7	0.0	10.4	0.0	0.0	-	0.0	0.0	-	-	-
90.0	33.0	0.0	12.4	0.0	0.0	0.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
90.0	37.0	0.0	0.0	-	0.0	0.0	-	0.0	10.2	-	-	-
90.0	45.0	10.1	0.0	-	0.0	0.0	0.0	-	-	-	-	-
90.0	53.0	20.0	6.0	-	0.0	0.0	12.3	-	0.0	-	-	-
90.0	60.0	0.0	0.0	-	0.0	0.0	5.4	-	0.0	-	-	-
90.0	70.0	0.0	0.0	-	4.6	0.0	0.0	-	0.0	-	-	-
90.0	80.0	0.0	0.0	-	5.2	0.0	0.0	-	0.0	-	-	-
90.0	110.0	-	-	-	10.4	-	0.0	-	10.5	-	-	-
90.0	140.0	-	-	-	20.9	-	0.0	-	0.0	-	-	-
90.0	160.0	-	-	-	0.0	-	0.0	-	15.5	-	-	-
90.0	170.0	-	-	-	5.3	-	10.2	-	-	-	-	-
90.0	180.0	-	-	-	11.1	-	0.0	-	16.2	-	-	-
90.0	190.0	-	-	-	21.5	-	11.3	-	-	-	-	-
90.0	200.0	-	-	-	15.5	-	0.0	-	-	-	-	-
93.0	26.7	0.0	4.5	4.0	-	0.0	0.0	0.0	-	-	-	-
93.0	28.0	0.0	0.0	11.0	-	0.0	0.0	0.0	0.0	-	-	-
93.0	29.0	0.0	0.0	11.1	-	0.0	0.0	-	0.0	-	-	-
93.0	40.0	10.6	0.0	12.0	-	0.0	0.0	-	0.0	-	-	-
93.0	45.0	0.0	12.3	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	50.0	0.0	6.1	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	55.0	0.0	0.0	5.2	-	0.0	0.0	-	0.0	-	-	-
93.0	60.0	0.0	5.4	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	70.0	0.0	0.0	10.1	-	0.0	0.0	-	0.0	-	-	-
93.0	80.0	4.6	0.0	-	-	9.8	0.0	-	0.0	-	-	-
93.0	90.0	0.0	0.0	-	-	0.0	0.0	-	0.0	-	-	-
93.0	100.0	0.0	16.4	-	-	0.0	25.7	-	0.0	-	-	-
93.0	110.0	-	-	-	5.6	-	0.0	-	0.0	-	-	-
93.0	120.0	-	-	-	15.5	-	0.0	-	10.9	-	-	-
93.0	140.0	-	-	-	5.3	-	0.0	-	0.0	-	-	-
93.0	150.0	-	-	-	10.8	-	18.7	-	5.4	-	-	-
93.0	160.0	-	-	-	10.5	-	0.0	-	0.0	-	-	-
93.0	180.0	-	-	-	30.7	-	5.0	-	0.0	-	-	-
93.0	190.0	-	-	-	5.4	-	0.0	-	11.2	-	-	-
93.0	200.0	-	-	-	5.3	-	0.0	-	-	-	-	-
97.0	32.0	0.0	0.0	-	9.9	-	31.3	-	-	-	-	-
97.0	35.0	0.0	0.0	-	26.9	-	0.0	-	0.0	-	-	-
97.0	40.0	5.5	0.0	-	9.0	-	0.0	-	0.0	-	-	-
97.0	45.0	0.0	0.0	-	9.8	-	0.0	-	0.0	-	-	-
97.0	50.0	0.0	0.0	-	9.2	-	0.0	-	0.0	-	-	-
97.0	55.0	0.0	5.9	-	5.1	-	0.0	-	0.0	-	-	-
97.0	60.0	0.0	65.7	-	5.3	-	5.7	-	0.0	-	-	-
97.0	70.0	5.7	0.0	-	8.4	-	0.0	-	0.0	-	-	-
97.0	80.0	0.0	5.5	-	0.0	-	2.4	-	0.0	-	-	-
97.0	90.0	0.0	0.0	-	9.7	0.0	-	-	0.0	-	-	-
100.0	35.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	50.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	21.2	4.9	-	0.0	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

STATION	Disintegrated fish larva (cont.)											
	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	70.0	0.0	13.7	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0
100.0	80.0	2.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	90.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	100.0	-	-	-	18.1	-	-	-	0.0	0.0	0.0	0.0
103.0	30.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	35.0	0.0	-	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	40.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	45.0	0.0	-	0.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	60.0	0.0	-	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	70.0	0.0	0.0	10.8	-	2.8	0.0	0.0	0.0	0.0	0.0	0.0
103.0	80.0	41.3	4.3	5.1	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	80.0	0.0	14.2	25.4	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	31.0	0.0	0.0	10.8	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	32.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	35.0	0.0	0.0	5.5	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	45.0	0.0	0.0	0.0	-	11.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	50.0	0.0	0.0	0.0	-	11.5	0.0	0.0	0.0	0.0	0.0	0.0
107.0	60.0	0.0	0.0	0.0	-	0.0	4.7	0.0	0.0	0.0	0.0	0.0
107.0	70.0	0.0	5.2	0.0	-	2.6	0.0	0.0	6.1	0.0	0.0	0.0
107.0	70.0	0.0	0.0	5.4	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	80.0	-	0.0	0.0	-	20.4	0.0	0.0	0.0	0.0	0.0	0.0
107.0	90.0	-	-	-	-	5.4	0.0	0.0	0.0	0.0	0.0	0.0
110.0	32.4	0.0	0.0	0.0	-	0.0	0.0	0.0	9.0	0.0	0.0	0.0
110.0	40.0	0.0	0.0	10.2	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	45.0	0.0	9.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	50.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	60.0	0.0	5.7	0.0	-	10.7	0.0	0.0	0.0	0.0	0.0	0.0
110.0	80.0	-	5.0	0.0	-	0.0	0.0	0.0	11.3	0.0	0.0	0.0
110.0	90.0	-	-	-	-	-	-	-	11.6	0.0	0.0	0.0
113.0	29.0	0.0	0.0	4.3	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.0	30.0	0.0	3.9	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.0	60.0	0.0	0.0	10.6	-	0.0	0.0	31.1	0.0	0.0	0.0	0.0
113.0	90.0	-	-	-	-	-	-	15.3	0.0	0.0	0.0	0.0
117.0	25.0	-	4.2	-	-	-	-	0.0	0.0	0.0	0.0	0.0
117.0	30.0	-	0.0	15.5	-	-	-	0.0	5.1	0.0	0.0	0.0
117.0	45.0	-	0.0	5.7	-	-	-	12.2	0.0	0.0	0.0	0.0
117.0	80.0	-	0.0	5.8	-	-	-	0.0	0.0	0.0	0.0	0.0
120.0	24.0	-	0.0	-	-	-	-	0.0	0.0	0.0	0.0	0.0
120.0	25.0	-	0.0	-	-	-	-	0.0	0.0	0.0	0.0	0.0
120.0	30.0	-	0.0	-	-	-	-	18.2	0.0	0.0	0.0	0.0
120.0	35.0	-	0.0	-	-	-	-	0.0	22.7	0.0	0.0	0.0
120.0	40.0	-	7.4	-	-	-	-	20.1	4.6	0.0	0.0	0.0
120.0	45.0	-	0.0	-	-	-	-	0.0	5.6	0.0	0.0	0.0
120.0	50.0	-	10.4	-	-	-	-	0.0	0.0	0.0	0.0	0.0
120.0	60.0	-	0.0	-	-	-	-	5.6	0.0	0.0	0.0	0.0
120.0	70.0	-	0.0	-	-	-	-	0.0	0.0	0.0	0.0	0.0
120.0	80.0	-	15.6	-	-	-	-	0.0	6.4	0.0	0.0	0.0
123.0	37.0	-	0.0	-	-	-	-	0.0	0.0	0.0	0.0	0.0

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
123.0	42.0	13.7	-	-	-	-	-	-	16.7	-	-	-
123.0	45.0	4.8	-	0.0	-	-	-	-	0.0	-	-	-
123.0	50.0	0.0	-	0.0	-	-	-	0.0	6.2	-	-	-
127.0	33.0	0.0	-	0.0	-	-	-	0.0	4.1	-	-	-
127.0	50.0	9.1	-	0.0	-	-	-	6.7	0.0	-	-	-
130.0	28.0	4.6	-	0.0	-	-	-	0.0	0.0	-	-	-
130.0	30.0	4.9	-	0.0	-	-	-	0.0	0.0	-	-	-
130.0	35.0	0.0	-	10.6	-	-	-	0.0	0.0	-	-	-
130.0	50.0	10.2	-	0.0	-	-	-	11.6	0.0	-	-	-
130.0	60.0	9.2	-	5.1	-	-	-	0.0	0.0	-	-	-
133.0	23.0	0.0	-	0.0	-	-	-	0.0	12.1	-	-	-
133.0	30.0	0.0	-	4.9	-	-	-	6.4	0.0	-	-	-
133.0	35.0	26.5	-	0.0	-	-	-	0.0	0.0	-	-	-
133.0	40.0	5.9	-	4.8	-	-	-	0.0	0.0	-	-	-
133.0	50.0	0.0	-	11.3	-	-	-	0.0	0.0	-	-	-
133.0	60.0	0.0	-	5.2	-	-	-	0.0	5.9	-	-	-
137.0	22.0	0.0	-	0.0	-	-	-	10.7	-	-	-	-
137.0	23.0	4.6	-	0.0	-	-	-	0.0	-	-	-	-
137.0	30.0	0.0	-	5.2	-	-	-	0.0	0.0	-	-	-
137.0	35.0	0.0	-	0.0	-	-	-	0.0	5.1	-	-	-
137.0	40.0	34.6	-	62.9	-	-	-	0.0	0.0	-	-	-
137.0	60.0	5.6	-	5.2	-	-	-	11.8	-	-	-	-

Unidentified fish larva

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
60.0	52.5	-	-	0.0	10.7	0.0	-	0.0	0.0	-	-	-
60.0	60.0	0.0	-	11.0	10.8	0.0	-	0.0	0.0	-	-	-
67.0	50.0	0.0	-	12.9	0.0	0.0	-	0.0	0.0	-	-	-
67.0	60.0	0.0	-	0.0	0.0	0.0	-	11.6	0.0	-	-	-
67.0	90.0	0.0	-	0.0	-	11.9	-	0.0	0.0	-	-	-
70.0	53.0	0.0	-	0.0	0.0	12.2	-	0.0	0.0	-	-	-
73.0	70.0	0.0	-	0.0	0.0	0.0	-	0.0	16.7	-	-	-
73.0	80.0	0.0	-	0.0	-	0.0	-	5.1	0.0	-	-	-
73.0	90.0	0.0	-	0.0	-	0.0	-	4.9	0.0	-	-	-
77.0	48.0	3.7	-	4.5	0.0	-	-	0.0	-	-	-	-
77.0	51.0	0.0	-	10.9	0.0	14.4	-	0.0	0.0	-	-	-
77.0	60.0	11.2	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
77.0	65.0	0.0	-	0.0	11.0	-	-	0.0	0.0	-	-	-
80.0	51.0	0.0	-	5.0	4.3	0.0	-	0.0	0.0	-	-	-
83.0	40.6	0.0	-	-	0.0	0.0	-	0.0	0.0	-	-	-
83.0	42.0	38.1	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-
83.0	51.0	0.0	-	4.3	0.0	-	-	0.0	0.0	-	-	-
83.0	55.0	0.0	-	0.0	11.4	-	-	13.5	0.0	-	-	-
83.0	60.0	0.0	-	0.0	0.0	0.0	-	0.0	0.0	-	-	-

TABLE 4. (cont.)

STATION	Unidentified fish larva (cont.)											
	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
83.0	70.0	0.0	0.0	0.0	10.3	0.0	-	11.9	0.0	-	-	-
83.0	80.0	0.0	5.0	0.0	-	0.0	-	14.7	0.0	-	-	-
87.0	34.0	0.0	0.0	0.0	0.0	0.0	-	10.3	0.0	-	-	-
87.0	36.0	0.0	0.0	0.0	0.0	0.0	-	11.8	0.0	-	-	-
87.0	45.0	0.0	5.9	0.0	0.0	0.0	-	26.9	0.0	-	-	-
87.0	50.0	0.0	-	0.0	18.9	0.0	-	11.4	0.0	-	-	-
87.0	55.0	0.0	-	0.0	35.8	0.0	-	0.0	0.0	-	-	-
87.0	70.0	0.0	0.0	0.0	5.4	0.0	-	0.0	0.0	-	-	-
89.7	41.5	-	-	-	-	-	-	12.4	0.0	-	-	-
90.0	27.6	0.0	0.0	0.0	9.9	0.0	-	0.0	0.0	-	-	-
90.0	28.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-
90.0	29.0	0.0	0.0	0.0	19.3	0.0	-	0.0	0.0	-	-	-
90.0	33.0	10.6	0.0	0.0	22.9	0.0	-	0.0	0.0	-	-	-
90.0	53.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
90.0	70.0	0.0	5.9	0.0	0.0	5.2	0.0	0.0	0.0	-	-	-
90.0	100.0	0.0	5.5	0.0	0.0	-	16.1	0.0	0.0	-	-	-
90.0	120.0	-	-	-	0.0	-	5.3	-	10.7	-	-	-
90.0	130.0	-	-	-	0.0	-	5.6	-	0.0	-	-	-
90.0	140.0	-	-	-	0.0	-	16.2	-	0.0	-	-	-
90.0	150.0	-	-	-	0.0	-	5.3	-	0.0	-	-	-
90.0	160.0	-	-	-	0.0	-	25.5	-	0.0	-	-	-
90.0	180.0	-	-	-	0.0	-	0.0	-	10.8	-	-	-
90.0	190.0	-	-	-	5.4	-	0.0	-	-	-	-	-
90.0	200.0	-	-	-	20.6	-	5.0	-	-	-	-	-
93.0	26.7	0.0	8.9	4.0	-	0.0	0.0	0.0	-	-	-	-
93.0	26.9	0.0	5.2	5.2	-	0.0	0.0	0.0	-	-	-	-
93.0	28.0	10.0	94.4	0.0	-	0.0	0.0	0.0	0.0	-	-	-
93.0	29.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
93.0	45.0	0.0	0.0	12.3	-	0.0	10.1	-	0.0	-	-	-
93.0	60.0	0.0	0.0	0.0	-	0.0	0.0	-	36.3	-	-	-
93.0	70.0	0.0	0.0	5.0	-	0.0	0.0	-	0.0	-	-	-
93.0	90.0	5.4	0.0	-	-	0.0	0.0	-	5.4	-	-	-
93.0	110.0	-	-	-	0.0	-	0.0	-	0.0	-	-	-
93.0	120.0	-	-	-	5.3	-	5.2	-	0.0	-	-	-
93.0	140.0	-	-	-	10.8	-	0.0	-	0.0	-	-	-
93.0	150.0	-	-	-	10.5	-	4.9	-	5.4	-	-	-
93.0	160.0	-	-	-	0.0	-	5.0	-	0.0	-	-	-
93.0	170.0	-	-	-	15.8	-	5.2	-	0.0	-	-	-
93.0	190.0	-	-	-	15.8	-	0.0	-	-	-	-	-
93.5	29.0	-	-	-	-	-	14.3	0.0	-	-	-	-
97.0	30.0	0.0	5.1	0.0	0.0	-	0.0	-	0.0	-	-	-
97.0	45.0	0.0	0.0	0.0	0.0	-	6.2	-	0.0	-	-	-
97.0	50.0	0.0	5.9	0.0	0.0	-	0.0	-	0.0	-	-	-
97.0	70.0	5.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-	-
100.0	29.0	0.0	5.2	0.0	5.0	-	0.0	-	0.0	-	-	-
100.0	30.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

STATION	Unidentified fish larva (cont.)											
	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
100.0	50.0	5.4	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	60.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	70.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-	-
100.0	90.0	4.5	5.8	-	0.0	-	0.0	-	5.8	-	-	-
100.0	100.0	-	-	-	4.5	-	0.0	-	0.0	-	-	-
103.0	30.0	9.9	0.0	-	0.0	-	0.0	-	0.0	-	-	-
103.0	50.0	0.0	0.0	-	0.0	-	11.6	-	0.0	-	-	-
103.0	60.0	0.0	0.0	-	0.0	-	2.8	-	0.0	-	-	-
103.0	70.0	4.3	0.0	-	0.0	-	2.8	-	0.0	-	-	-
103.0	80.0	0.0	0.0	-	0.0	-	2.6	-	6.2	-	-	-
103.0	90.0	-	-	-	-	-	0.0	-	6.3	-	-	-
107.0	32.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	35.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	45.0	0.0	0.0	-	0.0	-	0.0	0.0	12.7	-	-	-
107.0	50.0	0.0	0.0	-	5.6	-	0.0	0.0	0.0	-	-	-
107.0	60.0	5.2	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-
107.0	70.0	6.2	10.9	-	-	-	10.8	-	0.0	-	-	-
107.0	90.0	-	-	-	-	-	0.0	0.0	0.0	-	-	-
110.0	40.0	0.0	5.1	-	0.0	-	0.0	0.0	0.0	-	-	-
110.0	70.0	10.5	10.9	-	0.0	-	0.0	0.0	5.9	-	-	-
110.0	80.0	0.0	10.4	-	-	-	5.4	-	0.0	-	-	-
113.0	29.0	0.0	0.0	-	0.0	-	-	0.0	4.7	-	-	-
113.0	35.0	0.0	0.0	-	0.0	-	-	0.0	0.0	-	-	-
113.0	40.0	0.0	0.0	-	11.4	-	-	0.0	0.0	-	-	-
113.0	70.0	0.0	0.0	-	0.0	-	0.0	0.0	6.0	-	-	-
113.0	80.0	0.0	0.0	-	-	-	5.1	-	5.8	-	-	-
113.0	90.0	-	-	-	-	-	-	0.0	5.9	-	-	-
117.0	26.0	21.5	0.0	-	-	-	-	0.0	0.0	-	-	-
117.0	30.0	0.0	20.7	-	-	-	-	0.0	0.0	-	-	-
117.0	45.0	0.0	0.0	-	-	-	-	12.2	0.0	-	-	-
117.0	80.0	0.0	0.0	-	-	-	-	5.7	0.0	-	-	-
118.0	39.0	0.0	0.0	-	-	-	-	0.0	6.2	-	-	-
119.0	33.0	0.0	0.0	-	-	-	-	21.4	0.0	-	-	-
120.0	24.0	0.0	0.0	-	-	-	-	17.3	0.0	-	-	-
120.0	25.0	0.0	0.0	-	-	-	-	0.0	5.4	-	-	-
120.0	30.0	0.0	0.0	-	-	-	-	30.3	5.2	-	-	-
120.0	35.0	0.0	0.0	-	-	-	-	5.6	0.0	-	-	-
120.0	40.0	0.0	0.0	-	-	-	-	10.0	0.0	-	-	-
120.0	45.0	0.0	0.0	-	-	-	-	5.5	5.6	-	-	-
120.0	70.0	0.0	0.0	-	0.0	-	0.0	5.6	0.0	-	-	-
123.0	36.0	0.0	0.0	-	0.0	-	0.0	4.7	0.0	-	-	-
123.0	37.0	0.0	0.0	-	0.0	-	0.0	0.0	5.8	-	-	-
127.0	33.0	0.0	0.0	-	0.0	-	4.4	0.0	0.0	-	-	-
127.0	50.0	4.6	0.0	-	0.0	-	0.0	13.4	0.0	-	-	-
130.0	28.0	4.6	0.0	-	0.0	-	4.6	0.0	0.0	-	-	-
130.0	30.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-	-

TABLE 4. (cont.)

STATION	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
130.0	50.0	5.1	-	0.0	-	-	-	0.0	0.0	-	-	-
130.0	60.0	18.3	-	0.0	-	-	-	0.0	0.0	-	-	-
133.0	23.0	0.0	-	9.8	-	-	-	0.0	0.0	-	-	-
133.0	30.0	0.0	-	19.7	-	-	-	0.0	0.0	-	-	-
133.0	35.0	0.0	-	4.7	-	-	-	5.9	0.0	-	-	-
133.0	40.0	0.0	-	0.0	-	-	-	6.2	0.0	-	-	-
133.0	50.0	10.9	-	0.0	-	-	-	17.7	6.0	-	-	-
137.0	22.0	4.4	-	4.2	-	-	-	16.1	-	-	-	-
137.0	23.0	4.6	-	0.0	-	-	-	0.0	-	-	-	-
137.0	30.0	0.0	-	0.0	-	-	-	0.0	5.9	-	-	-
137.0	35.0	0.0	-	0.0	-	-	-	5.5	15.3	-	-	-
137.0	40.0	19.8	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0	50.0	5.5	-	0.0	-	-	-	0.0	0.0	-	-	-
137.0	60.0	5.6	-	5.2	-	-	-	0.0	-	-	-	-

TABLE 5. Summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1972 to 1981. Data for 1974, 1977, and 1980 represent single cruises that are part of surveys in 1975, 1978, and 1981, respectively. Taxa are listed in the same order as Table 4.

NAME	1972	1974	1975	1977	1978	1980	1981
<i>Albula vulpes</i>	1	-	-	-	-	-	-
Anguilliformes	26	2	8	-	3	-	-
<i>Etrumeus acuminatus</i>	4	-	15	-	9	-	-
<i>Opisthonema</i> spp.	27	11	51	8	46	13	28
<i>Sardinops sagax</i>	548	155	842	47	454	47	417
<i>Engraulis mordax</i>	54	6	59	7	30	13	45
<i>Argentina sialis</i>	33	8	40	3	45	6	31
<i>Microstoma microstoma</i>	44	-	26	-	25	-	18
<i>Nansenia candida</i>	39	8	17	1	19	3	13
<i>Nansenia crassa</i>	121	1	41	3	47	1	49
<i>Bathylagus</i> spp.	1	-	-	-	5	-	-
<i>Bathylagus longirostris</i>	13	5	13	-	8	4	2
<i>Bathylagus milleri</i>	345	13	273	29	387	13	244
<i>Bathylagus ochotensis</i>	99	1	39	-	45	1	38
<i>Bathylagus pacificus</i>	164	15	156	20	298	11	127
<i>Bathylagus wesethi</i>	387	52	363	28	218	22	298
<i>Leuroglossus stilbius</i>	1	-	-	-	-	-	-
<i>Bathilychnops exilis</i>	1	-	-	-	-	-	-
<i>Dolichopteryx longipes</i>	1	-	-	-	-	-	-
<i>Macropinna microstoma</i>	5	1	1	-	1	-	-
Osmeridae	8	1	1	-	5	-	3
Stomiiformes	7	10	12	1	23	7	23
Gonostomatidae	130	30	165	20	325	38	162
Cyclothone spp.	51	6	49	2	73	3	17
<i>Danaphos oculatus</i>	47	-	1	-	2	-	-
<i>Diplophos taenia</i>	-	-	-	-	2	-	1
<i>Gonostoma</i> spp.	7	1	8	2	40	4	18
<i>Ichthyococcus</i> spp.	8	-	1	-	3	1	1
<i>Valenciennellus stellatus</i>	271	48	164	40	379	65	222
<i>Vinciguerrilla lucetia</i>	1	-	-	-	30	-	-
<i>Vinciguerrilla poweriae</i>	217	63	218	40	371	33	150
Sternoptychidae	123	10	78	11	126	12	55
<i>Chauliodus macrouri</i>	25	18	30	8	67	3	9
<i>Idiacanthus antrostomus</i>	5	-	2	-	22	-	8
<i>Aristostomias scintillans</i>	11	-	-	-	16	-	-
<i>Bathophilus</i> spp.	1	-	-	-	1	-	-
<i>Eustomias</i> spp.	1	-	1	-	6	-	2
<i>Photonectes</i> spp.	5	-	-	-	7	-	5
<i>Tactostoma macropus</i>	117	9	59	6	110	11	77
<i>Stomias atriventer</i>	2	-	-	-	-	-	-
Myctophiformes	1	-	-	-	-	-	1
Evermannellidae	32	5	17	-	16	-	9
Paralepididae	82	16	39	11	63	11	58
<i>Lestidiops ringens</i>	10	-	5	1	17	-	5
<i>Notolepis risso</i>	2	-	-	-	1	-	-
<i>Stemonosudis macrura</i>	-	-	-	-	-	-	-
<i>Sudis atrox</i>	-	-	-	-	5	-	-

TABLE 5. (cont.)

NAME	1972	1974	1975	1977	1978	1980	1981
<i>Aulopus</i> spp.	6	-	-	-	1	1	-
<i>Scopelosaurus</i> spp.	11	1	10	-	23	1	9
Scopelarchidae	-	-	2	-	3	-	2
<i>Benthalbella</i> spp.	-	-	3	-	3	-	4
<i>Benthalbella dentata</i>	6	-	-	-	11	-	7
<i>Rosenblattichthys volucris</i>	15	7	23	2	21	2	-
<i>Scopelarchoides nicholsi</i>	16	-	2	3	1	-	-
<i>Scopelarchus</i> spp.	24	-	19	3	32	3	11
Myctophidae	123	12	80	6	154	17	159
<i>Bolinichthys</i> spp.	11	-	-	-	2	-	-
<i>Ceratoscopus townsendi</i>	68	5	66	5	212	18	80
<i>Diaphus</i> spp.	107	-	70	-	141	2	25
<i>Lampadena urophaos</i>	14	2	5	-	19	1	5
<i>Lampanyctus</i> spp.	281	35	151	16	269	32	168
<i>Lampanyctus regalis</i>	25	1	29	8	63	-	14
<i>Lampanyctus ritteri</i>	187	11	149	8	147	16	81
<i>Notolychnus valdiviae</i>	7	-	13	-	31	-	2
<i>Notoscopus resplendens</i>	9	-	6	-	58	-	8
<i>Parvilux ingens</i>	-	-	-	-	2	-	-
<i>Stenobrachius leucopsarus</i>	356	29	351	11	300	18	264
<i>Taaningichthys minimus</i>	-	-	-	-	1	-	-
<i>Triphoturus mexicanus</i>	218	38	342	7	330	13	237
<i>Triphoturus nigrescens</i>	-	-	-	-	2	-	-
<i>Benthoosema pterota</i>	6	-	3	-	-	-	-
<i>Centrobranchus</i> spp.	-	-	-	-	6	-	-
<i>Diogenichthys</i> spp.	-	6	15	3	24	2	18
<i>Diogenichthys atlanticus</i>	68	22	141	14	191	19	60
<i>Diogenichthys laternatus</i>	201	29	114	22	168	34	56
<i>Electrona rissoi</i>	15	-	7	-	20	-	6
<i>Gonichthys tenuiculus</i>	49	9	14	1	44	5	8
<i>Hygophum</i> spp.	2	-	-	-	5	-	7
<i>Hygophum atratum</i>	120	6	16	1	47	-	10
<i>Hygophum reinhardtii</i>	12	-	9	1	29	2	2
<i>Loweina rara</i>	2	-	3	1	9	-	3
<i>Myctophum aurolateratum</i>	21	-	-	-	-	-	-
<i>Myctophum nitidulum</i>	13	6	22	5	65	4	13
<i>Protomyctophum crockeri</i>	388	62	299	39	361	87	344
<i>Protomyctophum thompsoni</i>	14	-	-	-	-	-	-
<i>Symbotophorus californiensis</i>	100	14	120	6	179	11	91
<i>Tarletonbeania crenularis</i>	377	26	215	7	76	17	72
<i>Synodus</i> spp.	11	7	41	-	14	12	7
<i>Bregmaceros</i> spp.	37	-	-	-	-	-	-
Gadidae	1	-	-	-	-	-	-
<i>Gadus macrocephalus</i>	-	-	-	-	-	-	1
<i>Microgadus proximus</i>	4	-	-	-	-	-	-
<i>Merluccius productus</i>	305	16	279	14	222	21	177
Moridae	14	-	-	-	1	-	-
<i>Physiculus</i> spp.	1	-	-	-	6	-	1
Macrouridae	18	-	3	-	-	-	4

TABLE 5. (cont.)

NAME	1972	1974	1975	1977	1978	1980	1981
Ophidiiformes	9	-	15	-	18	-	19
<i>Brosomphycis marginata</i>	7	-	5	-	11	-	5
Carapidae	2	-	-	-	-	-	-
<i>Chilara taylora</i>	3	-	17	-	4	-	-
<i>Ophidion scrippsae</i>	7	6	18	-	6	-	1
<i>Porichthys</i> spp.	-	-	-	-	1	-	-
Antennariidae	1	-	-	-	-	-	-
Ceratioidei	6	1	11	-	4	1	-
Lophiidae	1	-	-	-	-	-	-
Gobiesocidae	2	-	10	-	3	-	-
Exocoetidae	-	-	1	-	1	-	3
Hemiramphidae	-	-	-	-	-	-	1
<i>Oxyporhamphus micropterus</i>	1	-	-	-	-	-	-
<i>Cololabis saira</i>	31	1	7	-	10	3	7
Atherinidae	3	3	7	-	13	1	3
Trachipteridae	56	7	18	2	10	1	5
Eutaeniophoridae	2	-	-	-	2	-	-
<i>Melamphaes</i> spp.	219	9	130	9	181	9	79
<i>Poromitra</i> spp.	15	-	18	2	42	2	21
<i>Scopeloberyx robustus</i>	-	-	-	-	5	-	-
<i>Scopelogadus bispinosus</i>	21	4	5	3	19	-	4
<i>Macroramphosus gracilis</i>	1	3	-	-	3	2	4
<i>Syngnathus</i> spp.	2	3	8	-	6	-	4
Agonidae	17	1	11	-	1	2	7
<i>Anoplopoma fimbria</i>	1	-	1	-	1	-	-
Cottidae	28	5	44	2	17	2	23
<i>Scorpaenichthys marmoratus</i>	13	3	15	-	6	3	-
Cyclopteridae	14	1	13	-	3	-	7
Hexagrammidae	16	-	1	-	2	1	-
<i>Ophiodon elongatus</i>	3	-	4	-	-	-	1
<i>Oxylebius pictus</i>	6	2	23	4	11	3	5
<i>Zaniolepis</i> spp.	2	-	-	-	-	-	-
Scorpaenidae	3	-	-	-	-	-	-
<i>Scorpaena</i> spp.	3	-	11	-	8	-	6
<i>Sebastes</i> spp.	509	94	560	30	429	52	379
<i>Sebastes aurora</i>	18	-	13	2	29	2	20
<i>Sebastes jordani</i>	90	1	42	-	47	1	22
<i>Sebastes levis</i>	13	-	17	-	8	-	5
<i>Sebastes macdonaldi</i>	15	-	21	-	17	-	8
<i>Sebastes paucispinis</i>	140	10	73	11	48	7	48
<i>Sebastolobus</i> spp.	65	1	23	-	32	1	19
<i>Prionotus</i> spp.	6	-	12	-	7	-	3
Blennioidei	9	1	4	-	-	-	8
Bathymasteridae	1	-	-	-	-	-	-
<i>Hypsoblennius</i> spp.	16	6	82	-	50	2	19
Clinidae	30	9	67	2	23	3	17
Gobiidae	88	26	121	10	73	6	38
Microdesmidae	1	-	-	-	-	-	-
<i>Icosteus aenigmaticus</i>	1	-	1	-	2	-	3
Labridae	10	-	-	-	-	-	-

TABLE 5. (cont.)

NAME	1972	1974	1975	1977	1978	1980	1981
<i>Halichoeres</i> spp.	9	-	26	-	21	-	7
<i>Oxyulis californica</i>	21	-	23	1	56	1	33
<i>Semicossyphus pulcher</i>	-	-	8	-	4	-	3
Pomacentridae	2	-	-	-	-	-	-
<i>Chromis punctipinnis</i>	2	-	22	1	14	-	16
<i>Hypsypops rubicundus</i>	-	-	3	-	-	-	1
<i>Mugil</i> spp.	2	-	-	-	1	-	-
<i>Howella brodiei</i>	2	-	1	-	9	-	-
<i>Brama</i> spp.	7	-	3	-	7	-	-
Carangidae	4	-	10	-	8	-	1
<i>Seriola lalandi</i>	1	-	5	-	7	-	1
<i>Trachurus symmetricus</i>	116	-	119	1	137	1	87
<i>Caristius macropus</i>	6	1	4	-	2	-	3
<i>Coryphaena hippurus</i>	1	-	5	-	3	-	3
Gerreidae	1	-	8	-	12	-	2
Haemulidae	1	-	1	1	3	-	2
<i>Girella nigricans</i>	2	-	3	-	1	-	2
<i>Medialuna californiensis</i>	1	-	2	-	1	-	2
<i>Caulolatilus princeps</i>	63	58	260	16	111	-	7
Sciaenidae	-	-	-	-	-	-	2
<i>Cheilotrema saturnum</i>	-	-	-	-	-	15	64
<i>Genyonemus lineatus</i>	-	-	-	-	-	-	1
<i>Roncador stearnsii</i>	-	-	-	-	-	-	26
<i>Serriphus politus</i>	21	-	55	1	32	1	26
Serranidae	-	-	1	-	-	-	-
Polynemidae	15	-	1	-	12	-	1
Gempylidae	4	-	1	-	1	-	-
Scombridae	-	-	-	-	2	-	-
<i>Auxis</i> spp.	4	-	-	-	1	-	-
<i>Euthynnus</i> spp.	4	-	3	-	1	-	1
<i>Sarda chiliensis</i>	3	-	8	-	61	-	86
<i>Scomber japonicus</i>	2	-	-	-	-	-	-
<i>Thunnus albacares</i>	7	1	10	1	11	-	8
<i>Lepidopus xantusi</i>	-	-	9	-	5	-	14
<i>Sphyræna argentea</i>	140	6	46	2	73	-	22
<i>Icichthys lockingtoni</i>	-	-	-	-	1	-	-
<i>Cubiceps caeruleus</i>	12	-	-	-	6	-	-
<i>Cubiceps pauciradiatus</i>	5	-	-	-	-	-	-
<i>Psenes pellicidus</i>	5	-	-	-	-	-	-
<i>Psenes sio</i>	11	6	54	3	65	-	31
<i>Peprilus simillimus</i>	13	8	15	2	24	6	8
<i>Tetragonurus cuvieri</i>	15	5	11	4	38	2	20
Chiasmodontidae	1	-	-	-	-	-	-
Uranoscopidae	8	-	-	-	2	-	-
Pleuronectiformes	1	-	-	-	-	-	-
Bothidae	8	-	-	-	-	-	-
<i>Bothus</i> spp.	8	-	-	-	-	-	-
<i>Citharichthys</i> spp.	227	96	357	27	297	60	153
<i>Citharichthys stigmaeus</i>	92	33	133	20	131	24	63
<i>Cyclosetta</i> spp.	1	-	-	-	-	-	-

TABLE 5. (cont.)

NAME	1972	1974	1975	1977	1978	1980	1981
<i>Hippoglossina</i> spp.	-	-	-	-	11	-	-
<i>Hippoglossina stomata</i>	17	8	36	1	21	-	6
<i>Paralichthys californicus</i>	37	25	106	4	47	2	58
<i>Syacium ovale</i>	5	-	-	-	-	-	3
<i>Xystreurus liolepis</i>	5	4	12	1	5	-	24
<i>Glyptocephalus zachirus</i>	15	-	4	-	22	-	2
<i>Hypsopsetta guttulata</i>	1	5	8	2	7	1	-
<i>Isopsetta isolepis</i>	3	-	-	-	1	-	-
<i>Lepidopsetta bilineata</i>	3	-	3	-	1	-	-
<i>Lepidopsetta exilis</i>	54	-	20	-	41	2	57
<i>Microstomus pacificus</i>	17	1	9	-	28	-	14
<i>Parophrys vetulus</i>	53	6	50	1	20	-	38
<i>Platichthys stellatus</i>	6	-	1	-	7	-	2
<i>Pleuronichthys</i> spp.	-	1	1	-	-	-	1
<i>Pleuronichthys coenosus</i>	3	-	3	-	6	-	2
<i>Pleuronichthys decurrens</i>	8	1	3	-	1	-	1
<i>Pleuronichthys ritteri</i>	8	2	33	1	6	4	11
<i>Pleuronichthys verticalis</i>	21	1	100	2	22	2	24
<i>Psettichthys melanostictus</i>	8	-	2	-	7	-	1
<i>Symphurus</i> spp.	20	8	26	1	16	-	8
Disintegrated fish larva	258	27	196	8	224	22	147
Unidentified fish larva	222	21	183	12	162	15	109

TABLE 6. List of stations which were occupied twice in one month during 1978.

Station		Month
100.0	30.0	11
100.0	60.0	11
97.0	30.0	6
97.0	32.0	6
97.0	35.0	6
97.0	40.0	6
97.0	45.0	6
97.0	50.0	6
97.0	55.0	6
97.0	60.0	6
97.0	70.0	6
100.0	29.0	6
100.0	30.0	6
100.0	35.0	6
100.0	40.0	6
103.0	30.0	6
103.0	35.0	6
103.0	40.0	6
103.0	45.0	6
103.0	50.0	6
103.0	60.0	6
103.0	70.0	6
103.0	80.0	6
107.0	50.0	6
107.0	60.0	6
107.0	70.0	6
107.0	80.0	6

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