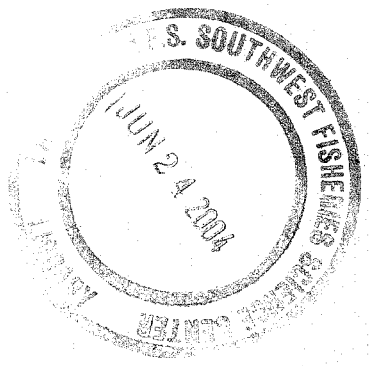

NOAA Technical Memorandum NMFS

JANUARY 1988

ICHTHYOPLANKTON AND STATION DATA FOR CALIFORNIA COOPERATIVE OCEANIC FISHERIES INVESTIGATIONS SURVEY CRUISES IN 1963

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NOAA-TM-NMFS-SWFC-94

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
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NOAA Technical Memorandum NMFS

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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 1963. It is the thirteenth report in a series that presents these data for all biological-oceanographic CalCOFI surveys from 1951 to the present. A total of 1008 stations was occupied during 4 quarterly multivessel cruises over a survey area which extended from Pt. Reyes, California to Cape San Lazaro, 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 153 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 thirteenth 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 1963. 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.

Data resulting from CalCOFI surveys in 1963 have been published in a number of forms. Hydrographic data (Univ. of Calif., SIO, 1963, 1964) and zooplankton volumes (Smith, 1971) were presented in standard formats. Distributional maps of larvae of 5 taxa taken on CalCOFI surveys during 1963 are presented in the CalCOFI Atlas series: northern anchovy (*Engraulis mordax*), Kramer and Ahlstrom, 1968; jack mackerel (*Trachurus symmetricus*) and Pacific hake (*Merluccius productus*), Ahlstrom, 1969; Pacific sardine (*Sardinops sagax*), Kramer, 1970; rockfish (*Sebastes* spp.), Ahlstrom et al., 1978. Distribution data for northern anchovy and Pacific sardine larvae from 1951 to 1964 were summarized by Ahlstrom (1966).

A computer data base for eggs and larvae of sardine and anchovy, for larvae of hake, jack mackerel 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 1963 were subjected to an extensive verification and editing process to produce this report. This with previous (Ambrose et al., 1987a,b,c; Sandknop et al., 1987a,b; 1988; Stevens et al., 1987a,b,c; Sumida et al., 1987a,b; 1988) 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 1963, CalCOFI survey cruises were conducted at quarterly intervals. A total of 1008 stations included in this data base was occupied on 4 cruises, with an average of 252 stations per cruise (range 214-304). Coverage of the survey station pattern varied among cruises and the entire survey area was not covered on any single cruise (Figures 1-5, Table 1). The area off northern California (lines 40-57) was not covered. Central California (lines 60-77) was covered by cruises made in January and April. The area between Pt. Conception, California and Pt. San Juanico, Baja California (lines 80-137) was surveyed on all cruises. Line 140, off Cape San Lazaro, was occupied out to

station 50 in February and April. Coverage extended seaward to station 200 (approximately 600-700 miles offshore) on lines 60-90 (Cruises 6301 and 6304) but typically did not extend beyond station 90 (approximately 160-260 miles offshore)[1]. Several inshore stations were occupied during Cruises 6304, 6307 and 6310 which were not covered on early CalCOFI surveys. These stations were included in the data base (Table 1), but omitted from the station plots (Figures 3, 4, and 5).

Two vessels were employed on these cruises: the *Alexander Agassiz* of SIO and the *Black Douglas* of NMFS. The *Black Douglas* was used on all cruises and the *Alexander Agassiz* participated in the first two (Univ. of Calif., SIO, 1963, 1964).

SAMPLING GEAR AND METHODS

The standard CalCOFI net used from 1949 to 1969 had a 1-m diameter mouth opening (0.785 m^2 area) and an overall length of about 5 m. The net was constructed of 30xxx gauze, a heavy duty grade of silk bolting cloth, with a mesh size of 0.55 mm after shrinkage. The last 40 cm of the cone and the cod end were constructed of 56xxx grit gauze which had a mesh size of 0.25 mm after shrinkage. The net ring was fastened to a short 3-lead bridle connected to several meters of line which attached to the towing cable by a clamp. A current meter was suspended in the center of the net mouth to measure volume of water filtered (see Kramer et al., 1972, for further details).

The standard tow from 1951 through 1968 was an oblique haul to 140 m depth (to 15 m of the bottom in shallow areas) designed to filter a constant amount of water per depth interval (ca. $3 m^3/m$ 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 line to the towing cable with the 45 kg terminal weight about 10-15 m below the surface. The net was lowered to 140 m depth by paying out 200 m of wire over a 4 minute period

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[1]CalCOFI lines (Figure 6) 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).

(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° (±3°) by adjusting the ship speed and course. After reaching the surface, the net was 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. Detailed descriptions of gear and methods are given by Ahlstrom (1953), Kramer et al. (1972), 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). Zooplankton volumes (including ichthyoplankton) of samples collected in 1963 are presented graphically in Smith (1971).

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. Usually, each sample was sorted completely; however, some of the samples were fractioned into aliquots using a Folsom plankton splitter (McEwen et al., 1954) prior to sorting. Several criteria[2] were used to determine whether a sample was fractioned: typically samples containing an abundance of thaliacians and coelenterates and exceeding 150 ml in total plankton volume were fractioned (to 50%, 25%, 12.5%, or 6.25%) to approximate a reduced volume of 50 ml for sorting; samples with an excessive quantity of fish eggs and/or larvae were occasionally fractioned to expedite the sorting process in order to meet scheduled deadlines. If the identified fraction of an aliquot yielded rare or interesting species of fish larvae, the remaining fraction was frequently sorted and identified with the intent of finding additional specimens. Aliquot percentages for fractioned samples from 1963 are listed in Table 1 under the "Percent Sorted" column; 5.8% of the samples collected in 1963 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 10 m^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 10 m^2 of sea surface. The SHF is calculated for each haul by the formula:

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[2]Personal communication, James R. Thrailkill, National Marine Fisheries Service, Southwest Fisheries Center, La Jolla, CA.

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

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 1963. 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 151 taxa was identified for 1963, with 82 taken to species, 30 to genus, 33 to family, and 6 to order or suborder. Beginning in 1961, larvae in the families Paralepididae and Labridae were identified to genus or species.

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 of coded data, 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 misinterpretations.

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 1963 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 milleri - all specimens checked.

Osmeridae - all specimens checked.

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

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

Woodsia nonsuchae - specimen checked.

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

Bathophilus spp. - all specimens checked.

Photonectes spp. - all specimens checked.

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

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

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.

Stenobrachius leucopsarus - all specimens taken seaward of station 100 checked.

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

Diogenichthys atlanticus - all specimens at margins of range checked.

Diogenichthys laternatus - all specimens at margins of range checked.

Electrona rissoi - recognition of this species was inconsistent and others may be included in *Protomyctophum crockeri* or Myctophidae.

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

Hygophum atratum - all specimens checked.

Hygophum reinhardtii - all specimens checked.

Protomyctophum crockeri - some samples on northern lines may contain *P. thompsoni*, which was not identified originally.

Physiculus spp. - specimen checked.

Ophidiiformes - this category did not exist originally and ophidiiform larvae were included in *Brosmophycis marginata*, *"Otophidium"*, "Zoarcidae", and "blenny"; identifications of *B. marginata* proved to be mostly correct and "Zoarcidae" to be a yet unidentified ophidiiform species; all *"Otophidium"* and "blenny" were reexamined and the former included *Ophidion scrippsae*, *Chilara taylori* and other ophidiiform taxa (moved to order); "blenny" contained *O. scrippsae*, *C. taylori*, and other ophidiiform taxa.

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

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.

Oxylebius pictus - all specimens checked.

Zaniolepis spp. - all specimens checked.

Sebastes spp. - category may contain other scorpaenid genera, particularly in samples south of line 120.

Acanthuridae - specimen checked.

Blennioidei - this is the residual of the completely reexamined "blenny" category, which also contained various misidentified ophidiiforms, and is now restricted to members of northern stichaeioid families and true blennioids (other than *Hypsoblennius* spp.) in the southern part of the pattern.

Labridae - all specimens originally identified to family were reexamined and assigned to genus (*Halichoeres* spp.) or species (*Oxyjulis californica*, *Semicossyphus pulcher*); residuals are small, poorly preserved or unavailable specimens.

Pomacentridae - all specimens checked; now includes species other than *Chromis punctipinnis*, primarily in the south.

Chromis punctipinnis - specimens taken south of line 120 checked.

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 were lumped to family.

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

Girella nigricans - specimen checked.

Medialuna californiensis - all specimens checked.

Caulolatilus princeps - all specimens checked.

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

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

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

Nomeidae - tentative identification to genus lumped to family.

Pleuronectiformes - all specimens of this category (originally called "flatfish") 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 or to *Bothus* spp.

Citharichthys spp. - all larvae identified to species were lumped to the 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 spp. - all specimens of this genus were examined and most were assigned to P. californicus or *Xystreurys liolepis*.

Syacium ovale - all specimens examined.

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

Glyptocephalus zachirus - all specimens examined.

Hypsopsetta guttulata - specimens were originally identified as *Pleuronichthys* spp.

Microstomus pacificus - all specimens examined.

Pleuronichthys spp. - all larvae of this genus and constituent species were examined and assigned to species; residuals are small, poorly preserved or unavailable specimens.

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 60% of all fish larvae taken on CalCOFI cruises during 1963 and numbered over six times as many as the gonostomatid *Vinciguerria lucetia*, the next most abundant species with 8.8% of the total larvae (Table 2, 3). Northern anchovy also ranked first in incidence; *V. lucetia* ranked 3rd. Next most abundant was *Sebastes* spp., a composite of about 70 species, with 6.1% of total larvae; it ranked 3rd in occurrence. Pacific hake, *Merluccius productus*, ranked 4th in abundance (3.3%) and 10th in incidence. The myctophid *Triphoturus mexicanus* ranked 5th in abundance, but ranked 2nd in occurrence. A deepsea smelt, *Leuroglossus stilbius*, ranked 6th in abundance and 9th in incidence. Jack mackerel, *Trachurus symmetricus*, ranked 7th in abundance but only 12th in occurrence. *Citharichthys*, a composite of about five species whose distributions in aggregate cover most of the CalCOFI pattern, ranked in the top ten in both abundance (8th) and occurrence (5th). Pacific sardine, *Sardinops sagax*, and the lanternfish *Stenobrachius leucopsarus* completed the 10 most abundant taxa ranking 9th and 10th respectively; however, neither of these taxa ranked in the top 10 in occurrence (22nd and 14th respectively) suggesting relatively large sample sizes. These 10 top-ranking taxa contributed 87.9% of all larvae taken during 1963. The remaining 12.1% was represented by 141 taxa plus the unidentified and disintegrated categories. Of the 10 taxa, 4 were midwater species, 3 were coastal demersal species or generic groupings, and 3 were coastal pelagic species.

EXPLANATION OF TABLES

Table 1 - This table lists by cruise the pertinent station and tow data for 1963, 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 2-5). 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: AX, *Alexander Agassiz* and BD, *Black Douglas*.

Table 2 - This table lists pooled occurrences of all larval fish taxa taken during 1963 in ranked order.

Table 3 - This table lists pooled counts of all larval fish taxa taken during 1963 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. 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 1961 to 1969. Taxa are listed in the same order as in Table 4.

Table 6 - List of stations with multiple occupancies in one month during 1963.

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Lois Hunter and David Kramer originally identified larvae from CalCOFI cruises of 1963. 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. Cindy Meyer, Larry Zins, and 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 and Diane Forsythe prepared the manuscript for printing. Paul Smith determined statistical outliers, provided assistance during geographical outlier checks and offered helpful suggestions throughout the

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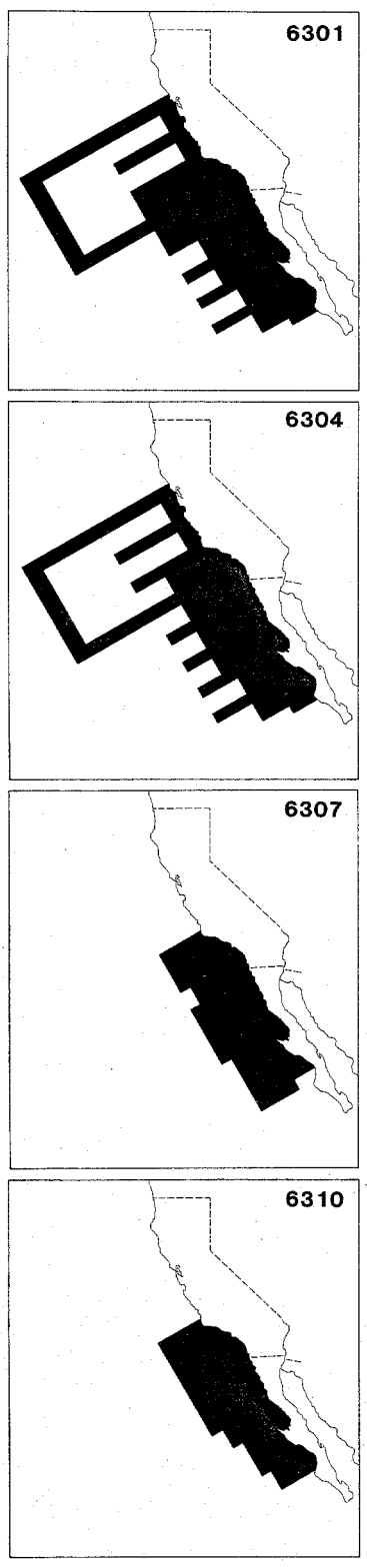

Figure 1. Composite arrangement of diagrammatic charts showing areas sampled on each CalCOFI cruise during 1963.

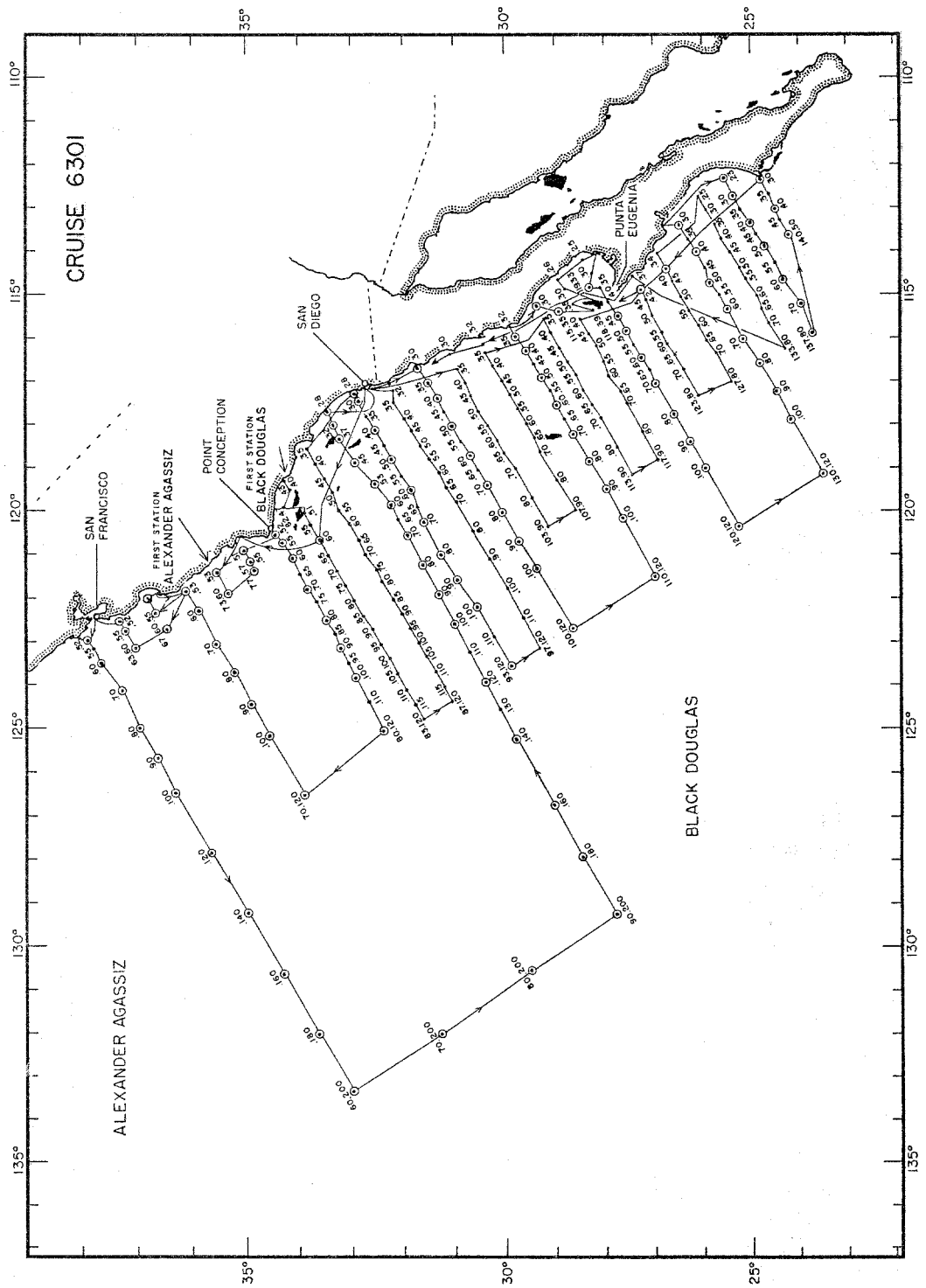

Figure 2. Station pattern for CalCOFI Cruise 6301 showing tracks for each vessel. Stations with plankton tows are indicated by a dot; circles designate hydrographic stations. Figures 2-5 modified from charts in Univ. of Calif., SIO (1963, 1964) to include only those stations listed in Table 1 of this report; see Table 1 for inshore stations not shown on charts.

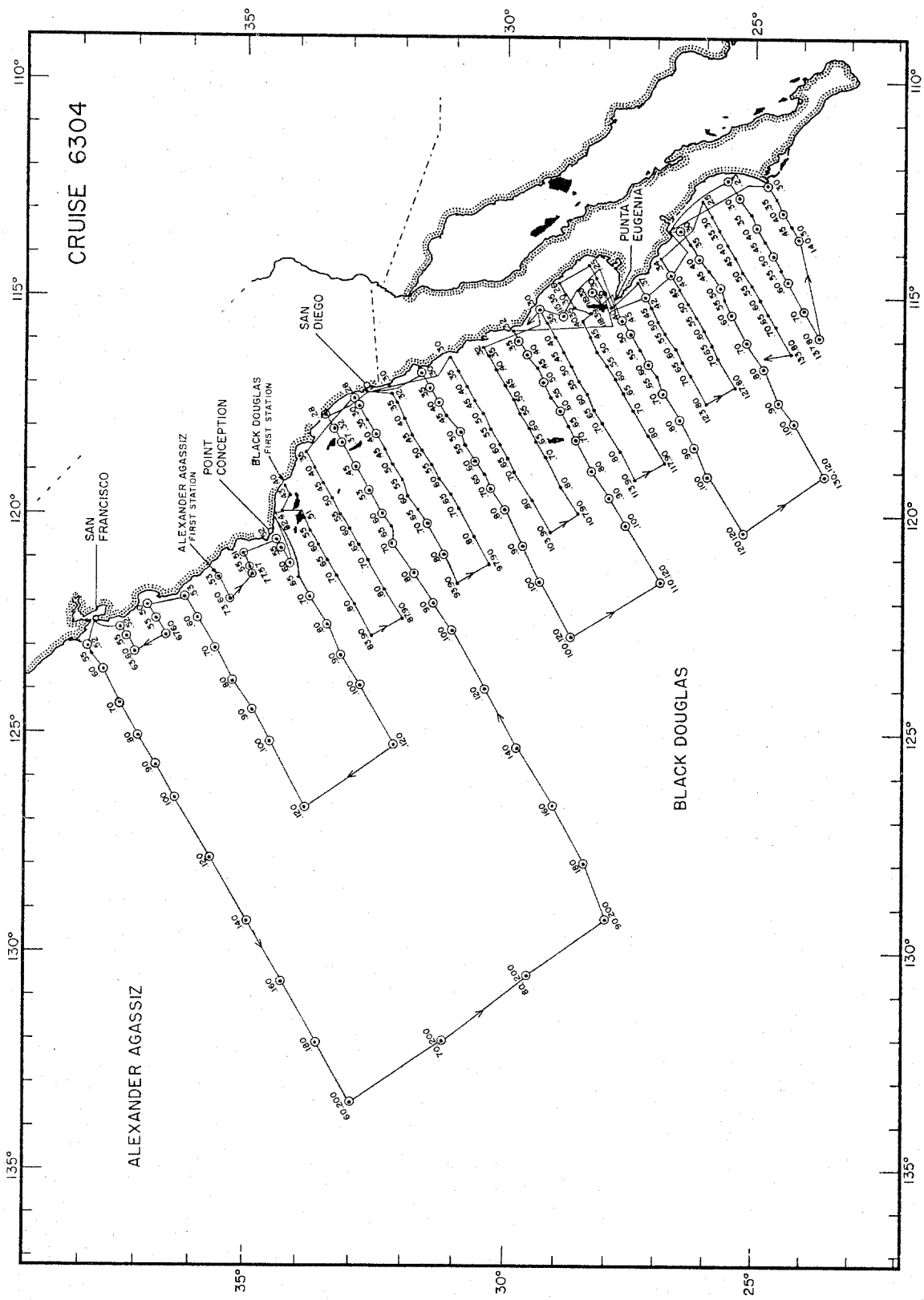

Figure 3. Station pattern for CalCOFI Cruise 6304. Symbols as in Figure 2.

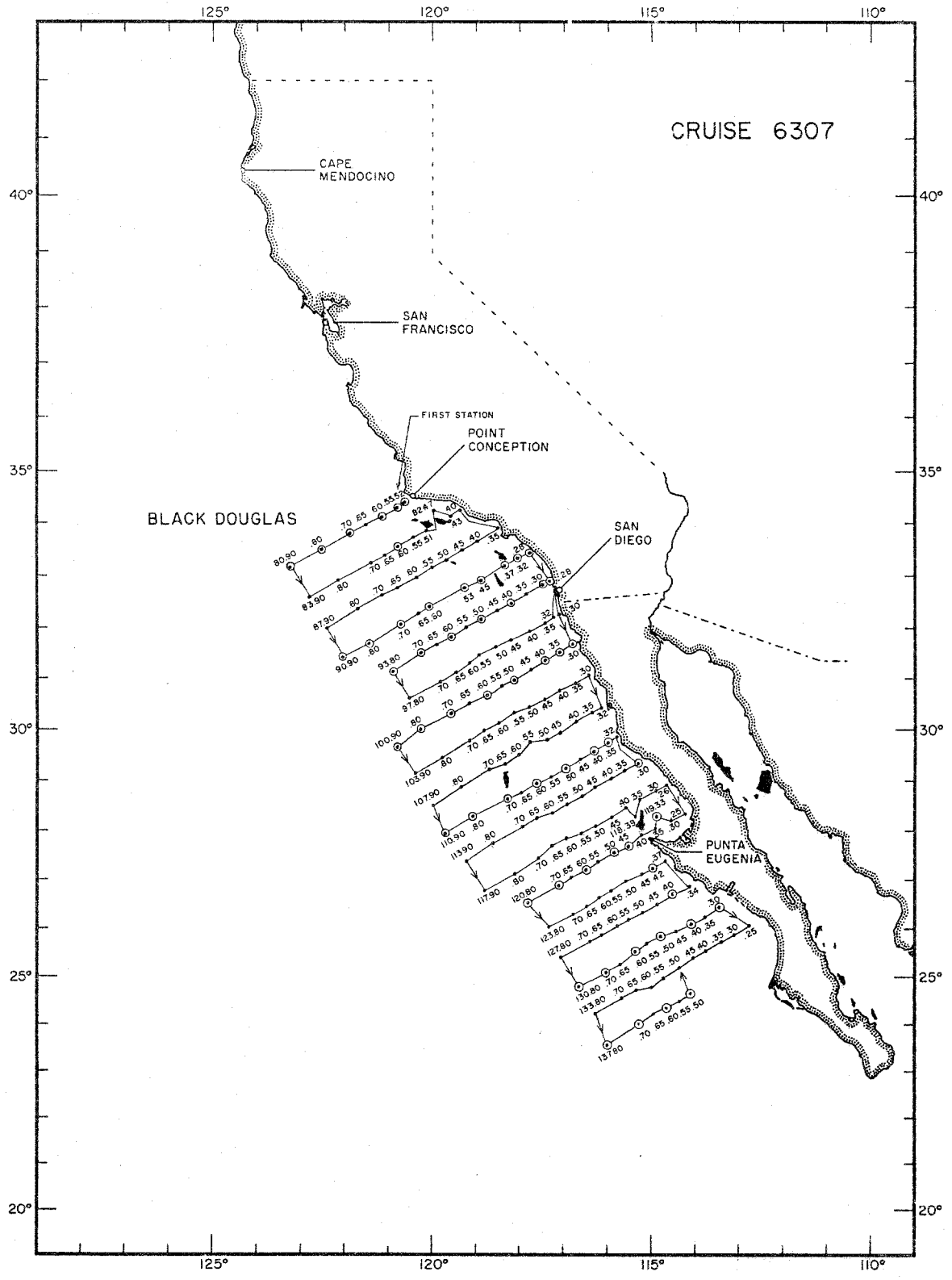

Figure 4. Station pattern for CalCOFI Cruise 6307. Symbols as in Figure 2.

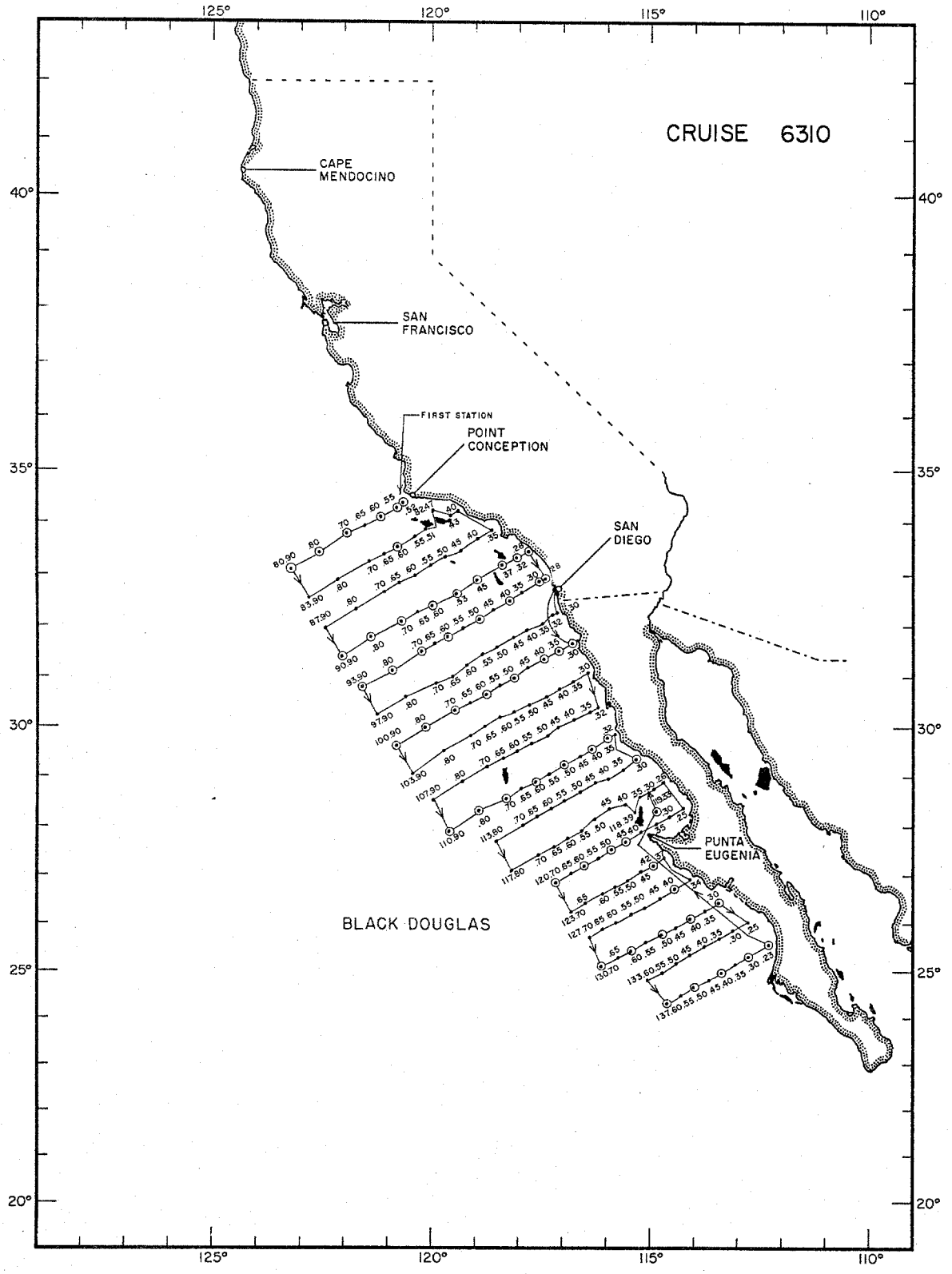

Figure 5. Station pattern for CalCOFI Cruise 6310. Symbols as in Figure 2.

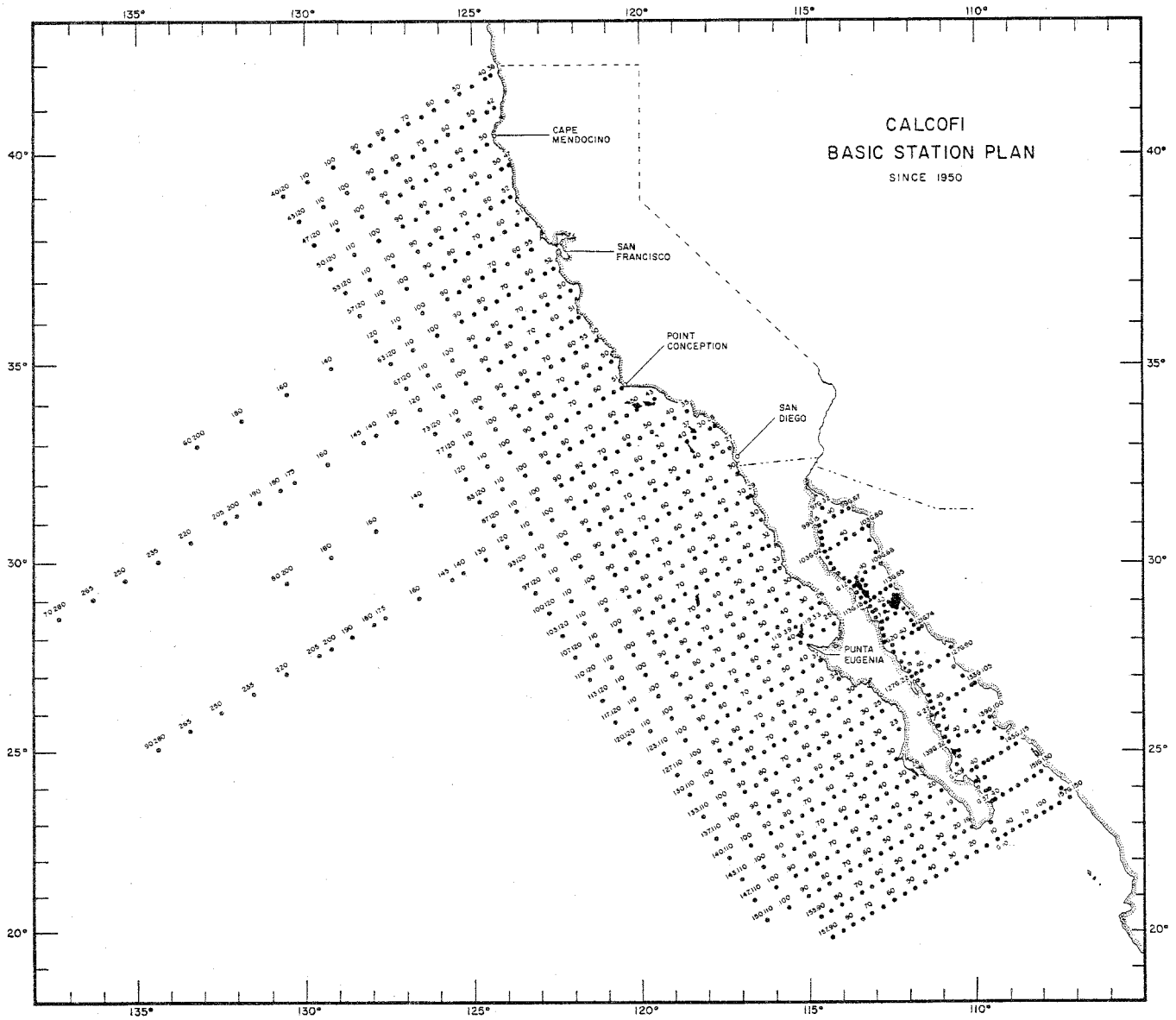

Figure 6. The basic station plan for CalCOFI cruises from 1950 to the present.

TABLE 1. Station and plankton tow data for CalCOFI cruises in 1963. Counts for fish eggs and larvae are not adjusted for standard haul factor or percent of sample sorted.

CalCOFI Cruise 6301

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	52.0	37 53.5	123 01.6	AX	63 01 23	1653	64	266	2.42	100.0	122	978
60.0	55.0	37 47.6	123 15.0	AX	63 01 23	1843	66	255	2.57	100.0	0	312
60.0	60.0	37 39.0	123 38.0	AX	63 01 24	0011	139	460	3.01	100.0	508	378
60.0	70.0	37 16.0	124 14.0	AX	63 01 24	0746	137	459	2.99	100.0	31	22
60.0	80.0	36 57.4	125 04.0	AX	63 01 24	1421	141	451	3.12	100.0	85	16
60.0	90.0	36 37.0	125 46.0	AX	63 01 25	0700	146	494	2.96	100.0	35	24
60.0	100.0	36 18.0	126 30.8	AX	63 01 25	1441	140	490	2.85	100.0	19	9
60.0	120.0	35 37.2	127 56.0	AX	63 01 25	2316	141	498	2.83	100.0	2	2
60.0	140.0	34 56.5	129 18.5	AX	63 01 26	0736	142	484	2.93	100.0	10	6
60.0	160.0	34 16.6	130 42.2	AX	63 01 26	1756	142	471	3.02	100.0	4	8
60.0	180.0	33 36.5	132 04.0	AX	63 01 27	0336	140	488	2.88	100.0	21	3
60.0	200.0	32 56.3	133 27.0	AX	63 01 27	1331	140	514	2.73	100.0	13	15
63.0	52.0	37 18.6	122 36.8	AX	63 01 20	0318	68	289	2.35	100.0	1621	1739
63.0	55.0	37 12.6	122 49.5	AX	63 01 20	0131	134	535	2.51	50.0	2695	118
63.0	60.0	37 02.6	123 11.5	AX	63 01 19	1916	141	471	2.99	100.0	242	71
67.0	50.0	36 49.2	122 04.6	AX	63 01 18	1238	64	257	2.49	100.0	159	11
67.0	55.0	36 39.0	122 26.0	AX	63 01 18	0816	138	466	2.95	100.0	35	60
67.0	60.0	36 29.2	122 47.4	AX	63 01 18	2326	138	438	3.16	100.0	222	129
70.0	53.0	36 06.7	121 53.8	AX	63 01 18	0151	131	552	2.38	100.0	38	63
70.0	60.0	35 53.0	122 22.5	AX	63 01 17	1741	138	470	2.94	100.0	46	114
70.0	70.0	35 32.8	123 06.0	AX	63 01 17	1141	138	454	3.03	100.0	126	55
70.0	80.0	35 14.0	123 46.5	AX	63 01 17	0416	138	469	2.95	100.0	104	34
70.0	90.0	34 54.5	124 30.0	AX	63 01 16	1926	142	456	3.10	100.0	42	43
70.0	100.0	34 32.7	125 12.2	AX	63 01 16	1231	138	484	2.85	100.0	29	27
70.0	120.0	33 54.0	126 32.0	AX	63 01 16	0141	136	535	2.55	100.0	20	10
70.0	200.0	31 13.0	132 02.5	AX	63 01 27	0336	140	492	2.85	100.0	38	104
73.0	53.0	35 32.0	121 29.0	AX	63 01 12	1846	141	486	2.90	100.0	29	9
73.0	60.0	35 18.0	121 57.5	AX	63 01 12	2331	139	491	2.84	100.0	78	42
77.0	51.0	35 02.2	120 56.2	AX	63 01 13	1016	136	485	2.81	100.0	210	3
77.0	55.0	34 54.0	121 13.0	AX	63 01 13	0726	141	465	3.03	100.0	44	21
77.0	57.0	34 50.0	121 21.5	AX	63 01 13	0506	140	484	2.90	100.0	76	100
80.0	52.0	34 25.4	120 35.3	AX	63 01 13	1526	139	517	2.69	100.0	74	22
80.0	55.0	34 18.5	120 48.5	AX	63 01 13	1826	145	486	2.97	100.0	100	115
80.0	60.0	34 08.3	121 08.0	AX	63 01 13	2136	143	506	2.83	100.0	58	92
80.0	65.0	33 59.0	121 30.0	AX	63 01 14	0056	133	509	2.62	100.0	60	62
80.0	70.0	33 48.5	121 51.0	AX	63 01 14	0531	144	446	3.22	100.0	5	22
80.0	75.0	33 39.8	122 07.8	AX	63 01 14	0741	139	475	2.94	100.0	7	2
80.0	80.0	33 27.6	122 32.3	AX	63 01 14	1146	137	499	2.74	100.0	2	5
80.0	85.0	33 18.2	122 52.5	AX	63 01 14	1336	141	502	2.80	100.0	3	2
80.0	90.0	33 10.0	123 12.0	AX	63 01 14	1716	139	473	2.93	100.0	4	14
80.0	95.0	33 01.0	123 34.0	AX	63 01 14	2121	139	498	2.79	100.0	1	10
80.0	100.0	32 53.0	123 53.0	AX	63 01 15	0036	140	510	2.74	100.0	9	10
80.0	110.0	32 38.0	124 28.0	AX	63 01 15	0356	139	487	2.86	100.0	16	10

TABLE 1. (cont.)

CalCOFI Cruise 6301

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	120.0	32	22.0	125	05.5	AX	63	01	15	0940	135	486	2.78	100.0	1	154
80.0	200.0	29	29.0	130	36.0	AX	63	01	28	1726	142	497	2.85	100.0	15	22
82.0	47.0	34	14.8	119	58.0	BD	63	01	30	1256	139	478	2.92	100.0	41	99
83.0	40.0	34	13.6	119	21.8	BD	63	01	30	0844	20	109	1.88	100.0	52	1959
83.0	43.0	34	08.0	119	34.0	BD	63	01	30	1011	139	465	2.99	100.0	128	479
83.0	51.0	33	52.0	120	07.5	BD	63	01	30	1715	85	430	1.99	100.0	110	97
83.0	55.0	33	44.0	120	24.5	BD	63	01	30	1942	139	470	2.95	100.0	242	1311
83.0	60.0	33	33.5	120	44.2	BD	63	01	30	2322	136	563	2.42	100.0	86	758
83.0	65.0	33	24.0	121	06.0	BD	63	01	31	0436	128	488	2.63	100.0	42	352
83.0	70.0	33	14.5	121	26.0	BD	63	01	31	0737	130	396	3.28	100.0	38	415
83.0	75.0	33	04.3	121	47.0	BD	63	01	31	1021	136	424	3.21	100.0	9	106
83.0	80.0	32	54.0	122	07.5	BD	63	01	31	1316	137	440	3.12	100.0	23	131
83.0	85.0	32	44.0	122	27.6	BD	63	01	31	1611	141	430	3.27	100.0	52	156
83.0	90.0	32	34.0	122	48.5	BD	63	01	31	1916	139	396	3.52	100.0	69	392
83.0	95.0	32	24.5	123	09.0	BD	63	01	31	2216	129	487	2.65	100.0	89	87
83.0	100.0	32	14.0	123	28.5	BD	63	02	01	0111	139	444	3.13	100.0	41	60
83.0	105.0	32	04.2	123	49.0	BD	63	02	01	0406	134	460	2.91	100.0	46	77
83.0	110.0	31	54.0	124	10.0	BD	63	02	01	0646	142	434	3.26	100.0	30	48
83.0	115.0	31	44.0	124	30.0	BD	63	02	01	0931	123	466	2.64	100.0	41	45
83.0	120.0	31	34.0	124	50.5	BD	63	02	01	1216	139	442	3.14	100.0	15	11
87.0	35.0	33	50.0	118	37.5	BD	63	02	03	1226	143	437	3.26	100.0	2093	578
87.0	40.0	33	40.0	118	58.0	BD	63	02	03	0951	140	447	3.13	100.0	1712	1536
87.0	45.0	33	30.0	119	19.0	BD	63	02	03	0721	136	446	3.05	50.0	625	912
87.0	50.0	33	20.0	119	39.5	BD	63	02	03	0458	71	242	2.94	100.0	322	506
87.0	55.0	33	12.0	120	01.2	BD	63	02	03	0231	143	424	3.38	100.0	24	588
87.0	60.0	33	00.5	120	21.0	BD	63	02	02	2336	139	470	2.96	100.0	24	673
87.0	65.0	32	50.5	120	42.0	BD	63	02	02	2101	142	430	3.30	100.0	288	106
87.0	70.0	32	40.8	121	03.0	BD	63	02	02	1806	139	455	3.05	100.0	18	26
87.0	75.0	32	30.5	121	23.5	BD	63	02	02	1516	139	446	3.11	100.0	9	56
87.0	80.0	32	22.0	121	40.0	BD	63	02	02	1316	141	428	3.30	100.0	15	138
87.0	85.0	32	10.0	122	04.0	BD	63	02	02	1036	140	411	3.42	100.0	12	361
87.0	90.0	32	00.0	122	24.0	BD	63	02	02	0806	141	422	3.33	100.0	15	1786
87.0	95.0	31	50.0	122	44.0	BD	63	02	02	0536	136	454	2.98	100.0	7	172
87.0	100.0	31	40.0	123	04.0	BD	63	02	02	0306	143	433	3.31	100.0	18	115
87.0	105.0	31	30.0	123	24.0	BD	63	02	02	0026	141	441	3.20	100.0	25	118
87.0	110.0	31	19.5	123	44.0	BD	63	02	01	2131	143	408	3.51	100.0	47	49
87.0	115.0	31	09.5	124	05.0	BD	63	02	01	1846	144	418	3.43	100.0	22	34
87.0	120.0	30	59.5	124	25.0	BD	63	02	01	1611	125	526	2.37	100.0	1	3
90.0	28.0	33	28.5	117	46.0	AX	63	02	02	0458	68	250	2.70	100.0	843	437
90.0	32.0	33	20.5	118	03.1	AX	63	02	02	0226	138	436	3.17	100.0	662	1388
90.0	37.0	33	11.0	118	23.0	AX	63	02	01	2136	134	479	2.80	100.0	894	1591
90.0	45.0	32	54.4	118	55.5	AX	63	02	01	1416	139	472	2.94	100.0	440	1074
90.0	53.0	32	31.5	119	24.5	AX	63	02	01	0831	135	480	2.81	100.0	122	740
90.0	60.0	32	12.0	119	56.0	AX	63	02	01	0336	140	457	3.06	100.0	57	214
90.0	65.0	32	03.0	120	16.0	AX	63	01	31	2341	127	512	2.47	100.0	162	169

TABLE 1. (cont.)

CalCOFI Cruise 6301

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	70.0	31	54.0	120	35.5	AX	63	01	31	2126	139	441	3.14	100.0	30	164
90.0	80.0	31	35.0	121	18.0	AX	63	01	31	1631	140	477	2.93	100.0	15	123
90.0	90.0	31	17.0	121	58.5	AX	63	01	31	1206	135	504	2.68	100.0	7	88
90.0	100.0	30	58.5	122	40.0	AX	63	01	31	0706	141	480	2.94	100.0	11	37
90.0	110.0	30	40.0	123	19.0	AX	63	01	31	0216	136	503	2.70	100.0	27	33
90.0	120.0	30	21.0	123	59.5	AX	63	01	30	2221	126	509	2.48	100.0	7	45
90.0	130.0	30	03.5	124	38.0	AX	63	01	30	1731	139	481	2.88	100.0	19	8
90.0	140.0	29	45.0	125	19.3	AX	63	01	30	1356	134	519	2.58	100.0	10	31
90.0	160.0	29	00.0	126	45.4	AX	63	01	30	0401	137	507	2.71	100.0	38	7
90.0	180.0	28	26.0	127	59.5	AX	63	01	29	1921	139	511	2.73	100.0	49	10
90.0	200.0	27	43.5	129	15.7	AX	63	01	29	1051	136	516	2.65	100.0	18	16
93.0	28.0	32	54.7	117	21.8	BD	63	02	03	2211	140	464	3.01	100.0	771	90
93.0	30.0	32	50.5	117	31.0	BD	63	02	03	2325	139	487	2.86	100.0	909	377
93.0	35.0	32	40.5	117	51.5	BD	63	02	04	0236	144	450	3.19	100.0	165	819
93.0	40.0	32	30.6	118	12.5	BD	63	02	04	0456	143	458	3.11	100.0	248	453
93.0	45.0	32	20.0	118	33.0	BD	63	02	04	1001	139	442	3.14	100.0	133	322
93.0	50.0	32	11.0	118	52.5	BD	63	02	04	1251	142	448	3.18	100.0	146	199
93.0	55.0	32	00.0	119	13.5	BD	63	02	04	1606	144	431	3.35	100.0	53	149
93.0	60.0	31	50.5	119	34.0	BD	63	02	04	1821	144	419	3.43	100.0	12	31
93.0	65.0	31	42.0	119	56.0	BD	63	02	05	0021	141	407	3.46	100.0	88	245
93.0	70.0	31	33.0	120	19.5	BD	63	02	05	0251	139	441	3.14	100.0	49	617
93.0	80.0	31	14.5	121	01.8	BD	63	02	05	0816	140	436	3.21	100.0	24	1020
93.0	90.0	30	53.5	121	36.0	BD	63	02	05	1326	142	449	3.16	100.0	8	6
93.0	100.0	30	31.0	122	14.5	BD	63	02	05	1841	142	470	3.01	100.0	15	19
93.0	110.0	30	11.0	122	55.5	BD	63	02	06	0016	142	477	2.98	100.0	15	40
93.0	120.0	29	51.0	123	36.0	BD	63	02	06	0446	144	474	3.03	100.0	40	25
97.0	30.0	32	15.8	117	07.1	AX	63	02	05	0014	31	133	2.34	100.0	811	124
97.0	32.0	32	11.3	117	16.5	BD	63	02	08	0616	143	437	3.26	100.0	1036	529
97.0	35.0	32	09.5	117	34.3	BD	63	02	08	0406	145	434	3.35	100.0	546	394
97.0	40.0	31	56.0	117	58.5	BD	63	02	08	0056	142	450	3.17	100.0	307	302
97.0	45.0	31	49.0	118	12.7	BD	63	02	07	2311	139	451	3.08	100.0	159	313
97.0	50.0	31	38.5	118	34.0	BD	63	02	07	2036	140	446	3.15	100.0	492	156
97.0	55.0	31	27.5	118	51.8	BD	63	02	07	1801	144	430	3.35	100.0	229	280
97.0	60.0	31	15.5	119	10.0	BD	63	02	07	1536	145	428	3.39	100.0	112	238
97.0	65.0	31	05.6	119	31.0	BD	63	02	07	1231	141	454	3.11	100.0	227	2036
97.0	70.0	30	55.3	119	50.5	BD	63	02	07	1006	146	412	3.55	100.0	68	2897
97.0	80.0	30	36.0	120	30.5	BD	63	02	07	0511	145	467	3.11	100.0	18	399
97.0	90.0	30	16.0	121	10.5	BD	63	02	07	0026	142	468	3.04	100.0	10	13
97.0	100.0	29	55.0	121	50.5	BD	63	02	06	1951	141	490	2.87	100.0	5	49
97.0	110.0	29	35.5	122	30.0	BD	63	02	06	1456	141	473	2.97	100.0	37	61
97.0	120.0	29	16.0	123	10.8	BD	63	02	06	1015	138	518	2.67	100.0	18	14
100.0	30.0	31	40.5	116	46.6	AX	63	02	06	1046	137	398	3.44	100.0	666	1303
100.0	35.0	31	30.0	117	06.8	AX	63	02	06	1421	141	460	3.05	100.0	258	1069
100.0	40.0	31	19.0	117	29.0	AX	63	02	06	1736	142	464	3.05	100.0	459	572
100.0	45.0	31	11.0	117	47.0	AX	63	02	06	1951	141	457	3.09	100.0	47	107

TABLE 1. (cont.)

CalCOFI Cruise 6301

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	31	01.0	118	07.0	AX	63	02	06	2331	139	462	3.01	100.0	652	32
100.0	55.0	30	51.0	118	26.0	AX	63	02	07	0231	140	463	3.03	100.0	101	185
100.0	60.0	30	40.5	118	47.0	AX	63	02	07	0546	139	455	3.05	100.0	96	295
100.0	65.0	30	31.0	119	06.5	AX	63	02	07	0756	138	468	2.95	100.0	146	260
100.0	70.0	30	20.0	119	27.0	AX	63	02	07	1021	139	460	3.02	100.0	28	89
100.0	80.0	30	02.0	120	04.0	AX	63	02	07	1626	139	463	3.00	100.0	107	60
100.0	90.0	29	41.0	120	46.0	AX	63	02	07	2136	138	466	2.96	100.0	20	17
100.0	100.0	29	20.0	121	22.4	AX	63	02	08	0241	139	479	2.90	100.0	12	497
100.0	120.0	28	37.7	122	41.0	AX	63	02	08	1131	136	485	2.80	100.0	18	16
103.0	30.0	31	05.0	116	24.5	BD	63	02	23	0128	57	193	2.96	100.0	380	116
103.0	35.0	30	55.0	116	45.2	BD	63	02	11	2201	140	485	2.88	100.0	201	2861
103.0	40.0	30	45.0	117	05.5	BD	63	02	12	0041	133	476	2.80	100.0	128	4391
103.0	45.0	30	38.0	117	25.0	BD	63	02	12	0311	135	473	2.84	100.0	148	106
103.0	50.0	30	30.0	117	45.5	BD	63	02	12	0551	141	456	3.10	100.0	78	51
103.0	55.0	30	19.0	118	06.5	BD	63	02	12	0836	134	471	2.85	100.0	333	167
103.0	60.0	30	09.0	118	25.0	BD	63	02	12	1101	141	437	3.22	100.0	45	152
103.0	65.0	29	59.5	118	42.0	BD	63	02	12	1331	138	450	3.07	100.0	87	285
103.0	70.0	29	47.0	119	03.5	BD	63	02	12	1616	137	453	3.03	100.0	147	62
103.0	80.0	29	27.0	119	43.5	BD	63	02	12	2056	139	460	3.02	100.0	512	40
103.0	90.0	29	07.5	120	23.0	BD	63	02	13	0126	140	453	3.08	100.0	13	125
107.0	32.0	30	25.8	116	11.0	BD	63	02	22	2036	137	505	2.71	100.0	1114	1214
107.0	35.0	30	21.5	116	22.5	BD	63	02	14	0946	142	425	3.34	25.0	834	4335
107.0	40.0	30	12.0	116	42.0	BD	63	02	14	0651	143	440	3.25	100.0	1487	3351
107.0	45.0	30	02.0	117	03.0	BD	63	02	14	0416	144	452	3.18	100.0	246	3016
107.0	50.0	29	51.5	117	21.6	BD	63	02	14	0201	139	447	3.11	100.0	207	413
107.0	55.0	29	41.3	117	42.0	BD	63	02	13	2326	142	433	3.28	100.0	42	5
107.0	60.0	29	32.0	118	01.5	BD	63	02	13	2041	140	443	3.17	100.0	364	26
107.0	65.0	29	22.2	118	21.2	BD	63	02	13	1816	144	446	3.22	100.0	60	38
107.0	70.0	29	16.0	118	42.3	BD	63	02	13	1531	142	462	3.08	100.0	96	55
107.0	80.0	28	54.5	119	21.2	BD	63	02	13	1031	141	444	3.19	100.0	181	88
107.0	90.0	28	34.5	120	00.0	BD	63	02	13	0536	142	444	3.21	100.0	30	108
110.0	32.0	29	51.5	115	48.5	AX	63	02	10	2159	28	147	1.88	100.0	651	33
110.0	35.0	29	46.0	115	59.5	AX	63	02	10	2041	145	451	3.20	100.0	297	599
110.0	40.0	29	33.0	116	19.5	AX	63	02	10	1626	142	467	3.03	100.0	401	147
110.0	45.0	29	24.0	116	40.0	AX	63	02	10	1256	142	485	2.92	100.0	27	67
110.0	50.0	29	13.0	116	58.0	AX	63	02	10	0941	143	455	3.15	100.0	234	433
110.0	55.0	29	04.0	117	15.0	AX	63	02	10	0631	138	478	2.88	100.0	121	7
110.0	60.0	28	57.0	117	38.5	AX	63	02	10	0426	141	466	3.02	100.0	178	154
110.0	65.0	28	47.0	117	57.5	AX	63	02	10	0121	140	483	2.91	100.0	91	31
110.0	70.0	28	36.0	118	17.0	AX	63	02	09	2311	142	464	3.06	100.0	87	3
110.0	80.0	28	16.0	118	54.0	AX	63	02	09	1821	139	482	2.89	100.0	52	6
110.0	90.0	27	55.6	119	31.1	AX	63	02	09	1346	142	489	2.90	100.0	36	43
110.0	100.0	27	38.0	120	11.0	AX	63	02	09	0851	137	484	2.84	100.0	13	22
110.0	120.0	26	57.0	121	32.0	AX	63	02	09	0001	140	450	3.11	100.0	58	7
113.0	30.0	29	22.0	115	18.5	AX	63	02	11	0218	58	300	1.94	100.0	1881	184

TABLE 1. (cont.)

CalCOFI Cruise 6301

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
113.0	35.0	29	11.5	115	38.0	BD	63	02	14	1811	142	472	3.01	100.0	539	619
113.0	40.0	29	02.0	115	57.0	BD	63	02	14	2056	138	444	3.10	100.0	815	492
113.0	45.0	28	52.8	116	17.5	BD	63	02	14	2326	139	432	3.23	100.0	326	1978
113.0	50.0	28	42.8	116	36.5	BD	63	02	15	0156	137	465	2.95	100.0	157	553
113.0	55.0	28	32.5	116	57.0	BD	63	02	15	0436	142	439	3.24	100.0	68	16
113.0	60.0	28	23.5	117	16.5	BD	63	02	15	0651	140	443	3.17	100.0	1498	34
113.0	65.0	28	13.0	117	35.5	BD	63	02	15	0921	139	453	3.07	100.0	329	59
113.0	70.0	28	02.5	117	55.0	BD	63	02	15	1156	134	489	2.74	100.0	229	158
113.0	80.0	27	42.5	118	33.5	BD	63	02	15	1646	140	482	2.90	100.0	15	50
113.0	90.0	27	23.0	119	12.0	BD	63	02	15	2126	141	448	3.14	100.0	30	149
115.0	35.0	28	54.5	115	27.0	AX	63	02	11	0701	139	482	2.90	100.0	79	290
117.0	26.0	28	56.0	114	41.4	AX	63	02	13	0444	33	160	2.05	100.0	382	347
117.0	30.0	28	47.8	114	56.4	AX	63	02	13	0258	69	229	3.01	100.0	212	1722
117.0	35.0	28	38.1	115	16.0	AX	63	02	12	1256	141	482	2.92	100.0	125	36
117.0	40.0	28	28.0	115	35.5	BD	63	02	17	0306	138	458	3.01	100.0	108	44
117.0	45.0	28	18.0	115	56.0	BD	63	02	17	0026	136	467	2.92	100.0	168	499
117.0	50.0	28	09.4	116	12.5	BD	63	02	16	2221	140	417	3.36	100.0	308	419
117.0	55.0	28	00.0	116	36.3	BD	63	02	16	1931	141	438	3.21	100.0	47	172
117.0	60.0	27	51.0	116	56.8	BD	63	02	16	1616	133	483	2.75	100.0	707	84
117.0	65.0	27	39.8	117	17.0	BD	63	02	16	1331	137	474	2.90	100.0	253	10
117.0	70.0	27	31.0	117	35.3	BD	63	02	16	1101	142	450	3.15	100.0	96	18
117.0	80.0	27	11.2	118	13.0	BD	63	02	16	0611	140	444	3.15	100.0	64	176
117.0	90.0	26	51.0	118	51.0	BD	63	02	16	0131	137	464	2.95	100.0	42	158
118.0	39.0	28	11.8	115	24.2	AX	63	02	11	1108	72	242	2.97	100.0	175	26
119.0	33.0	28	19.2	114	53.2	AX	63	02	14	1603	68	271	2.53	100.0	13	493
120.0	25.0	28	24.5	114	15.8	AX	63	02	13	0839	48	190	2.54	100.0	309	1479
120.0	30.0	28	13.3	114	34.0	AX	63	02	14	1258	68	267	2.53	100.0	80	997
120.0	35.0	28	03.0	114	54.0	AX	63	02	14	1744	52	195	2.69	100.0	60	624
120.0	40.0	27	56.5	115	14.0	AX	63	02	14	1929	35	137	2.55	100.0	328	23
120.0	45.0	27	42.0	115	32.5	AX	63	02	14	0011	141	479	2.95	100.0	67	57
120.0	50.0	27	33.0	115	52.5	AX	63	02	15	0456	141	477	2.96	100.0	53	53
120.0	55.0	27	24.0	116	12.0	AX	63	02	15	0711	141	465	3.04	100.0	70	34
120.0	60.0	27	13.0	116	30.5	AX	63	02	15	1026	134	481	2.78	100.0	61	63
120.0	65.0	27	03.0	116	48.2	AX	63	02	15	1246	140	483	2.89	100.0	115	115
120.0	70.0	26	54.5	117	08.5	AX	63	02	15	1556	141	445	3.16	100.0	66	129
120.0	80.0	26	33.0	117	49.0	AX	63	02	15	2121	144	421	3.43	100.0	56	224
120.0	90.0	26	14.5	118	26.0	AX	63	02	16	0151	140	433	3.25	100.0	50	110
120.0	100.0	25	55.5	119	02.0	AX	63	02	16	0706	139	442	3.15	100.0	26	330
120.0	120.0	25	12.9	120	23.0	AX	63	02	16	1626	141	436	3.23	100.0	23	9
123.0	37.0	27	24.0	114	40.0	BD	63	02	21	2203	69	215	3.19	100.0	90	1243
123.0	42.0	27	14.0	114	59.0	BD	63	02	17	1131	137	437	3.15	25.0	9	1405
123.0	45.0	27	09.0	115	11.0	BD	63	02	17	1316	137	448	3.06	100.0	25	2303
123.0	50.0	27	00.5	115	31.0	BD	63	02	17	1601	140	447	3.13	100.0	13	181
123.0	55.0	26	50.0	115	55.0	BD	63	02	17	1826	141	444	3.18	100.0	68	89
123.0	60.0	26	41.8	116	10.8	BD	63	02	17	2026	137	454	3.03	100.0	201	121

TABLE 1. (cont.)

CalCOFI Cruise 6301

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	65.0	26	32.0	116	28.8	BD	63	02	17	2256	140	440	3.18	100.0	215	32
123.0	70.0	26	22.0	116	47.0	BD	63	02	18	0116	139	458	3.03	100.0	61	153
123.0	80.0	26	03.0	117	22.6	BD	63	02	18	0551	140	464	3.02	100.0	23	65
127.0	34.0	26	55.0	114	06.5	BD	63	02	19	1023	77	275	2.81	100.0	113	2121
127.0	40.0	26	43.5	114	29.0	BD	63	02	19	0731	141	466	3.03	100.0	130	187
127.0	45.0	26	37.0	114	46.5	BD	63	02	19	0516	142	468	3.02	100.0	67	136
127.0	50.0	26	27.0	115	06.0	BD	63	02	19	0231	138	468	2.95	100.0	44	209
127.0	55.0	26	16.0	115	25.0	BD	63	02	18	2356	138	486	2.84	100.0	15	34
127.0	60.0	26	04.2	115	45.8	BD	63	02	18	2111	138	473	2.92	100.0	11	197
127.0	65.0	25	51.5	116	08.0	BD	63	02	18	1811	143	475	3.01	100.0	84	65
127.0	70.0	25	42.5	116	24.0	BD	63	02	18	1536	138	481	2.88	100.0	58	865
127.0	80.0	25	22.0	117	01.3	BD	63	02	18	1051	143	449	3.19	100.0	26	16
130.0	30.0	26	28.0	113	28.5	AX	63	02	19	0423	71	221	3.21	6.0	1705	2480
130.0	35.0	26	17.0	113	46.5	AX	63	02	19	0136	140	447	3.14	100.0	99	1382
130.0	40.0	26	07.5	114	04.5	AX	63	02	18	2121	415	142	3.42	100.0	279	238
130.0	45.0	25	56.5	114	25.0	AX	63	02	18	1721	141	423	3.33	100.0	114	102
130.0	50.0	25	49.7	114	45.6	AX	63	02	18	1506	136	442	3.08	100.0	53	193
130.0	55.0	25	38.0	115	03.5	AX	63	02	18	1151	145	429	3.37	100.0	14	67
130.0	60.0	25	29.0	115	23.0	AX	63	02	18	0941	140	412	3.39	100.0	5	41
130.0	70.0	25	09.0	116	01.8	AX	63	02	18	0441	141	416	3.38	100.0	87	182
130.0	80.0	24	49.0	116	39.0	AX	63	02	17	2326	141	424	3.34	100.0	31	1768
130.0	90.0	24	25.0	117	17.0	AX	63	02	17	1831	141	437	3.22	100.0	42	49
130.0	100.0	24	09.9	117	55.5	AX	63	02	17	1336	134	465	2.87	100.0	92	746
130.0	120.0	23	30.0	119	10.0	AX	63	02	17	0426	142	436	3.26	100.0	27	56
133.0	25.0	26	04.5	112	48.0	BD	63	02	19	2108	76	245	3.12	100.0	515	181
133.0	30.0	25	54.5	113	07.5	BD	63	02	19	2331	140	435	3.22	100.0	583	364
133.0	35.0	25	44.5	113	26.5	BD	63	02	20	0211	139	457	3.04	100.0	144	369
133.0	40.0	25	35.5	113	46.5	BD	63	02	20	0451	139	464	2.99	100.0	88	94
133.0	45.0	25	25.0	114	05.0	BD	63	02	20	0716	134	476	2.82	100.0	20	61
133.0	50.0	25	13.0	114	25.5	BD	63	02	20	0956	141	455	3.10	100.0	3	36
133.0	55.0	25	04.5	114	43.0	BD	63	02	20	1201	140	457	3.06	100.0	1	48
133.0	60.0	24	52.0	115	02.0	BD	63	02	20	1416	139	462	3.00	100.0	1	19
133.0	65.0	24	46.0	115	21.5	BD	63	02	20	1636	139	464	2.99	100.0	2	128
133.0	70.0	24	37.0	115	41.0	BD	63	02	19	1851	143	458	3.13	100.0	8	90
133.0	80.0	24	15.0	116	17.0	BD	63	02	19	2306	139	452	3.07	100.0	4	10
137.0	23.0	25	33.2	112	20.0	AX	63	02	20	0448	54	250	2.18	25.0	1608	2350
137.0	30.0	25	21.2	112	46.5	AX	63	02	20	0801	143	414	3.45	100.0	129	59
137.0	35.0	25	11.5	113	05.1	AX	63	02	20	1021	141	428	3.29	100.0	38	129
137.0	40.0	25	00.2	113	23.4	AX	63	02	20	1326	138	435	3.18	100.0	10	108
137.0	45.0	24	51.0	113	40.0	AX	63	02	20	1531	139	433	3.22	100.0	28	37
137.0	50.0	24	41.5	113	56.0	AX	63	02	20	1841	143	410	3.48	100.0	92	172
137.0	55.0	24	29.0	114	20.0	AX	63	02	20	2121	143	400	3.57	100.0	0	274
137.0	60.0	24	17.5	114	41.0	AX	63	02	21	0106	141	427	3.31	100.0	6	124
137.0	70.0	23	54.3	115	18.5	AX	63	02	21	1011	140	421	3.34	100.0	20	158
137.0	80.0	23	40.8	115	55.0	AX	63	02	21	1456	139	423	3.29	100.0	64	145

TABLE 1. (cont.)

CalCOFI Cruise 6301

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
140.0	30.0	24	45.0	112	24.0	AX	63	02	22	1348	64	234	2.76	100.0	3200	34
140.0	35.0	24	35.5	112	43.4	AX	63	02	22	1111	142	409	3.46	100.0	21	107
140.0	40.0	24	29.0	113	03.5	AX	63	02	22	0901	139	374	3.71	100.0	5	119
140.0	45.0	24	22.5	113	20.0	AX	63	02	22	0601	141	396	3.56	100.0	18	398
140.0	50.0	24	11.0	113	39.5	AX	63	02	22	0351	141	425	3.32	100.0	17	48

TABLE 1. (cont.)

CalCOFI Cruise 6304

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)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	49.2	37	59.2	122	49.9	AX	63	04	22	1600	14	527	0.26	25.0	9	33
60.0	50.0	37	57.5	122	53.2	AX	63	04	22	1639	38	498	0.76	50.0	7	20
60.0	51.0	37	55.5	122	57.5	AX	63	04	22	1740	42	543	0.78	50.0	27	14
60.0	52.0	37	53.5	123	02.0	AX	63	04	22	1908	68	287	2.39	100.0	20	14
60.0	55.0	37	47.7	123	15.2	AX	63	04	22	2057	101	400	2.52	50.0	14	27
60.0	60.0	37	36.7	123	36.2	AX	63	04	23	0311	127	522	2.42	50.0	30	21
60.0	70.0	37	16.9	124	21.0	AX	63	04	23	1006	133	500	2.66	50.0	6	12
60.0	80.0	36	58.3	125	04.8	AX	63	04	23	1536	128	539	2.38	100.0	9	17
60.0	90.0	36	37.0	125	47.0	AX	63	04	24	0006	125	538	2.32	100.0	69	11
60.0	100.0	36	17.0	126	30.0	AX	63	04	24	0811	142	470	3.02	100.0	34	441
60.0	120.0	35	37.0	127	54.0	AX	63	04	24	1831	142	452	3.14	100.0	32	98
60.0	140.0	34	56.5	129	19.5	AX	63	04	25	0531	140	512	2.73	100.0	33	55
60.0	160.0	34	16.7	130	41.0	AX	63	04	25	1621	141	490	2.87	100.0	12	32
60.0	180.0	33	37.0	132	06.0	AX	63	04	26	0621	141	503	2.80	100.0	75	39
60.0	200.0	32	56.8	133	27.6	AX	63	04	26	1556	142	514	2.77	100.0	29	27
63.0	49.7	37	23.5	122	26.4	AX	63	04	20	0830	14	446	0.32	100.0	17	112
63.0	50.0	37	22.7	122	28.0	AX	63	04	20	0745	14	444	0.32	50.0	1229	25
63.0	51.0	37	20.7	122	32.0	AX	63	04	20	0654	48	435	1.11	50.0	25	14
63.0	52.0	37	18.5	122	37.0	AX	63	04	20	0558	70	257	2.70	100.0	55	131
63.0	55.0	37	12.5	122	49.6	AX	63	04	20	0358	139	495	2.80	50.0	163	10
63.0	60.0	37	03.5	123	09.6	AX	63	04	20	0111	136	494	2.76	100.0	37	16
67.0	47.3	36	54.5	121	52.5	AX	63	04	19	0500	14	470	0.30	100.0	51	2478
67.0	48.0	36	53.0	121	56.0	AX	63	04	19	0540	14	442	0.31	25.0	18	82
67.0	49.0	36	51.0	122	00.5	AX	63	04	19	0633	72	418	1.72	50.0	43	13
67.0	50.0	36	49.0	122	04.5	AX	63	04	19	0758	67	262	2.56	50.0	98	16
67.0	55.0	36	39.2	122	26.0	AX	63	04	19	1141	138	532	2.60	100.0	99	39
67.0	60.0	36	29.3	122	47.4	AX	63	04	19	1836	135	509	2.66	100.0	101	24
70.0	50.0	36	11.3	121	43.9	AX	63	04	18	2331	134	497	2.70	100.0	94	4
70.0	51.0	36	10.7	121	45.8	AX	63	04	18	2251	140	491	2.84	100.0	128	7
70.0	52.0	36	08.5	121	50.0	AX	63	04	18	2211	137	520	2.62	100.0	639	12
70.0	53.0	36	07.0	121	54.0	AX	63	04	18	2101	138	494	2.80	100.0	558	126
70.0	60.0	35	53.0	122	24.0	AX	63	04	18	1549	138	552	2.50	50.0	80	21
70.0	70.0	35	33.4	123	05.5	AX	63	04	18	1036	139	511	2.72	50.0	110	32
70.0	80.0	35	14.0	123	50.0	AX	63	04	18	0521	144	483	2.98	100.0	22	192
70.0	90.0	34	53.0	124	30.0	AX	63	04	17	2216	132	542	2.44	100.0	15	44
70.0	100.0	34	33.0	125	13.1	AX	63	04	17	1406	134	542	2.47	100.0	18	81
70.0	120.0	33	52.0	126	42.5	AX	63	04	17	0241	132	545	2.43	100.0	9	106
70.0	200.0	31	12.5	132	02.0	AX	63	04	27	0456	140	524	2.67	100.0	111	19
73.0	49.4	35	38.0	121	15.5	AX	63	04	10	2024	35	524	0.67	50.0	651	30
73.0	50.0	35	36.8	121	17.3	AX	63	04	10	2112	94	491	1.91	100.0	1730	548
73.0	51.0	35	35.4	121	21.1	AX	63	04	10	2201	142	498	2.86	100.0	453	120
73.0	53.0	35	31.2	121	28.2	AX	63	04	11	0021	135	439	3.06	100.0	86	148
73.0	60.0	35	17.4	121	57.0	AX	63	04	11	0541	137	494	2.78	100.0	256	274
77.0	47.6	35	08.8	120	42.0	AX	63	04	11	2000	7	518	0.14	6.0	21	94
77.0	48.0	35	08.0	120	43.5	AX	63	04	11	1909	21	545	0.38	12.0	60	30

TABLE 1. (cont.)

CalCOFI Cruise 6304

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	49.0	35 06.0	120 48.0	AX	63 04 11	1809	42	531	0.79	100.0	141	14
77.0	50.0	35 04.0	120 52.0	AX	63 04 11	1701	142	540	2.30	100.0	189	1
77.0	51.0	35 02.0	120 56.2	AX	63 04 11	1531	140	544	2.57	100.0	163	60
77.0	55.0	34 54.9	121 13.5	AX	63 04 11	1231	140	535	2.62	100.0	81	61
77.0	57.0	34 51.7	121 22.8	AX	63 04 11	1046	138	495	2.79	100.0	88	163
80.0	50.2	34 28.2	120 29.6	AX	63 04 12	0110	14	570	0.25	100.0	252	34
80.0	51.0	34 27.1	120 31.2	AX	63 04 12	0203	70	503	1.40	100.0	3	3
80.0	52.0	34 25.1	120 35.4	AX	63 04 12	0401	133	533	2.50	50.0	201	47
80.0	55.0	34 19.0	120 48.0	AX	63 04 12	0716	132	479	2.75	100.0	306	1002
80.0	60.0	34 08.7	121 08.3	AX	63 04 12	1241	140	434	3.22	100.0	138	393
80.0	65.0	33 59.2	121 29.5	AX	63 04 13	2301	149	450	3.31	100.0	95	145
80.0	70.0	33 47.0	121 51.6	AX	63 04 14	0556	144	498	2.88	100.0	2055	193
80.0	80.0	33 25.8	122 32.2	AX	63 04 14	1526	135	515	2.62	100.0	654	252
80.0	90.0	33 10.0	123 15.5	AX	63 04 15	0606	144	484	2.98	100.0	260	61
80.0	100.0	32 49.5	123 56.0	AX	63 04 15	1446	141	500	2.82	100.0	95	59
80.0	120.0	32 10.0	125 16.5	AX	63 04 16	0511	146	488	2.99	100.0	22	8
80.0	200.0	29 32.0	130 32.0	AX	63 04 27	2001	116	663	1.75	100.0	50	6
82.0	47.0	34 15.0	119 58.0	BD	63 04 12	1213	139	491	2.84	50.0	47	20
83.0	39.0	34 15.5	119 17.7	BD	63 04 12	0750	10	88	1.15	100.0	11	911
83.0	40.0	34 14.0	119 22.0	BD	63 04 12	0829	18	175	1.04	100.0	33	602
83.0	43.0	34 08.0	119 34.0	BD	63 04 12	0941	140	392	3.58	50.0	92	103
83.0	51.0	33 52.0	120 08.5	BD	63 04 12	1646	138	486	2.84	100.0	69	45
83.0	55.0	33 44.0	120 24.5	BD	63 04 12	1841	141	448	3.16	100.0	128	315
83.0	60.0	33 34.0	120 45.0	BD	63 04 12	2116	141	436	3.24	100.0	665	1144
83.0	65.0	33 24.0	121 06.0	BD	63 04 12	2351	142	454	3.13	100.0	580	1730
83.0	70.0	33 14.5	121 26.0	BD	63 04 13	0221	142	448	3.16	100.0	1009	503
83.0	80.0	32 54.0	122 04.0	BD	63 04 13	0706	141	453	3.12	100.0	593	76
83.0	90.0	32 34.5	122 47.8	BD	63 04 13	1206	140	448	3.11	100.0	92	53
87.0	32.5	33 54.0	118 26.5	BD	63 04 14	2054	10	83	1.18	100.0	583	1182
87.0	33.0	33 54.2	118 29.5	BD	63 04 14	2024	34	149	2.31	100.0	444	95
87.0	34.0	33 52.2	118 33.2	BD	63 04 14	1933	55	319	1.72	100.0	862	330
87.0	35.0	33 50.0	118 37.5	BD	63 04 14	1836	138	441	3.14	100.0	346	327
87.0	40.0	33 40.0	118 58.0	BD	63 04 14	1621	141	413	3.40	100.0	145	159
87.0	45.0	33 30.0	119 19.0	BD	63 04 14	1346	139	418	3.33	100.0	212	561
87.0	50.0	33 20.0	119 39.5	BD	63 04 14	1123	66	251	2.64	100.0	205	166
87.0	55.0	33 10.0	120 00.0	BD	63 04 14	0851	140	416	3.37	100.0	125	546
87.0	60.0	33 00.0	120 21.5	BD	63 04 14	0631	139	421	3.29	100.0	419	207
87.0	65.0	32 49.3	120 42.0	BD	63 04 14	0446	144	365	3.93	100.0	926	656
87.0	70.0	32 39.2	121 02.0	BD	63 04 14	0211	138	427	3.24	100.0	907	186
87.0	80.0	32 20.0	121 43.0	BD	63 04 13	2126	139	444	3.13	100.0	157	77
87.0	90.0	31 59.0	122 24.0	BD	63 04 13	1646	133	457	3.05	100.0	66	71
90.0	27.5	33 29.5	117 45.0	AX	63 05 02	1350	14	489	0.29	100.0	11	208
90.0	28.0	33 28.4	117 46.7	AX	63 05 02	1326	129	453	2.85	100.0	48	49
90.0	32.0	33 20.3	118 03.3	AX	63 05 02	1101	140	490	2.85	100.0	33	30
90.0	37.0	33 11.0	118 22.5	AX	63 05 02	0811	139	495	2.80	100.0	168	112

TABLE 1. (cont.)

CalCOFI Cruise 6304

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	45.0	32	54.5	118	55.5	AX	63	05	02	0401	141	475	2.97	100.0	461	415
90.0	53.0	32	38.8	119	28.4	AX	63	05	01	2326	141	467	3.02	100.0	559	2103
90.0	60.0	32	25.0	119	59.0	AX	63	05	01	1756	143	461	3.11	100.0	205	472
90.0	65.0	32	14.8	120	17.5	AX	63	05	01	1346	121	578	2.09	100.0	608	692
90.0	70.0	32	12.1	120	41.5	AX	63	05	01	1111	138	533	2.58	100.0	221	621
90.0	80.0	31	47.2	121	21.2	AX	63	05	01	0516	126	560	2.26	100.0	16	601
90.0	90.0	31	24.0	122	00.5	AX	01	04	30	2306	139	514	2.71	100.0	38	499
90.0	100.0	31	03.0	122	37.0	AX	01	04	30	1746	141	476	2.97	100.0	32	196
90.0	120.0	30	25.0	123	59.5	AX	63	04	30	0721	142	505	2.81	100.0	44	187
90.0	140.0	29	45.0	125	19.5	AX	63	04	29	2121	142	500	2.85	100.0	124	53
90.0	160.0	29	04.5	126	40.0	AX	63	04	29	0816	141	508	2.78	100.0	28	17
90.0	180.0	28	25.0	127	58.0	AX	63	04	28	2116	141	509	2.76	100.0	221	23
90.0	200.0	28	00.0	129	15.3	AX	63	04	28	0926	139	502	2.76	100.0	28	12
93.0	26.5	32	56.8	117	16.5	BD	63	04	15	0820	10	80	1.30	100.0	124	71
93.0	27.0	32	56.0	117	19.0	BD	63	04	15	0541	135	341	3.97	100.0	125	140
93.0	28.0	32	54.7	117	22.0	BD	63	04	15	1106	142	414	3.42	100.0	279	50
93.0	30.0	32	50.5	117	31.0	BD	63	04	15	1311	141	423	3.32	100.0	106	377
93.0	35.0	32	40.5	117	51.5	BD	63	04	15	1753	140	445	3.14	100.0	418	1607
93.0	40.0	32	30.0	118	11.5	BD	63	04	15	2106	137	462	2.96	100.0	139	1186
93.0	45.0	32	20.0	118	32.2	BD	63	04	16	0131	117	538	2.18	100.0	539	3277
93.0	50.0	32	10.0	118	53.5	BD	63	04	16	0406	137	478	2.86	100.0	1087	795
93.0	55.0	32	00.0	119	13.0	BD	63	04	16	0701	137	483	2.83	100.0	173	1055
93.0	60.0	31	53.5	119	36.5	BD	63	04	16	0956	138	472	2.93	100.0	481	327
93.0	65.0	31	42.0	119	55.0	BD	63	04	16	1211	137	460	2.98	100.0	392	500
93.0	70.0	31	30.0	120	14.2	BD	63	04	16	1501	137	483	2.84	100.0	262	554
93.0	80.0	31	10.0	120	56.0	BD	63	04	16	2046	139	447	3.11	50.0	817	171
93.0	90.0	30	54.0	121	35.5	BD	63	04	17	0231	133	459	2.90	100.0	130	25
96.8	28.7	32	19.4	117	03.8	BD	63	04	19	1800	7	104	0.66	100.0	51	119
97.0	29.0	32	17.2	117	04.8	BD	63	04	19	1833	48	305	1.56	100.0	96	459
97.0	30.0	32	15.2	117	08.5	BD	63	04	19	1913	54	234	2.29	100.0	1020	165
97.0	32.0	32	12.0	117	15.2	BD	63	04	18	1345	142	502	2.82	100.0	53	29
97.0	35.0	32	05.5	117	27.5	BD	63	04	18	1156	141	495	2.84	100.0	147	17
97.0	40.0	31	57.0	117	50.0	BD	63	04	18	0911	139	478	2.91	100.0	885	102
97.0	45.0	31	49.0	118	12.8	BD	63	04	18	0631	139	475	2.93	100.0	725	475
97.0	50.0	31	37.0	118	32.8	BD	63	04	18	0319	139	500	2.77	100.0	1249	678
97.0	55.0	31	26.0	118	52.0	BD	63	04	18	0046	142	492	2.88	100.0	67	82
97.0	60.0	31	16.0	119	10.5	BD	63	04	17	2206	137	517	2.66	100.0	145	45
97.0	65.0	31	02.8	119	32.2	BD	63	04	17	1911	142	516	2.75	100.0	214	100
97.0	70.0	30	53.3	119	50.8	BD	63	04	17	1626	138	524	2.63	100.0	125	20
97.0	80.0	30	35.0	120	31.0	BD	63	04	17	1141	137	462	2.97	100.0	1	3
97.0	90.0	30	16.8	121	09.0	BD	63	04	17	0731	137	471	2.90	100.0	16	67
100.0	29.0	31	42.5	116	42.6	AX	63	05	04	1813	71	399	1.77	100.0	38	27
100.0	30.0	31	40.5	116	46.5	AX	63	05	04	1951	141	468	3.02	100.0	109	47
100.0	35.0	31	30.5	117	07.0	AX	63	05	04	2336	142	508	2.79	100.0	61	19
100.0	40.0	31	21.3	117	26.8	AX	63	05	05	0406	141	509	2.84	100.0	16	12

TABLE 1. (cont.)

CalCOFI Cruise 6304

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)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
100.0	45.0	31	09.0	117	46.0	AX	63	05	05	0746	142	473	2.99	100.0	8	73
100.0	50.0	30	53.8	118	08.0	AX	63	05	05	1156	135	513	2.64	100.0	1	39
100.0	55.0	30	49.0	118	25.0	AX	63	05	05	1401	135	530	2.54	100.0	56	199
100.0	60.0	30	36.0	118	48.0	AX	63	05	05	1741	142	501	2.83	100.0	111	495
100.0	65.0	30	26.0	119	05.0	AX	63	05	05	2011	142	498	2.85	100.0	62	244
100.0	70.0	30	17.3	119	25.0	AX	63	05	06	0056	132	550	2.41	100.0	81	134
100.0	80.0	30	01.9	119	52.2	AX	63	05	06	0946	139	498	2.79	100.0	36	104
100.0	90.0	29	39.0	120	44.0	AX	63	05	06	1836	141	474	2.97	100.0	38	130
100.0	100.0	29	19.5	121	31.5	AX	63	05	07	0401	141	510	2.77	100.0	44	74
100.0	120.0	28	40.8	122	46.0	AX	63	05	07	1351	131	550	2.38	100.0	17	63
103.0	28.5	31	07.8	116	19.2	BD	63	04	20	0454	12	118	1.02	100.0	21	65
103.0	29.0	31	06.8	116	21.0	BD	63	04	20	0414	28	167	1.70	100.0	76	91
103.0	30.0	31	05.2	116	25.0	BD	63	04	20	0323	50	254	1.98	100.0	273	527
103.0	35.0	30	55.2	116	45.2	BD	63	04	20	0746	141	471	2.99	100.0	130	316
103.0	40.0	30	44.5	117	06.0	BD	63	04	20	1021	144	435	3.31	100.0	11	10
103.0	45.0	30	35.2	117	25.0	BD	63	04	20	1246	143	482	2.96	100.0	12	18
103.0	50.0	30	26.0	117	44.5	BD	63	04	20	1511	139	502	2.76	100.0	14	29
103.0	55.0	30	16.0	118	05.0	BD	63	04	20	1746	144	484	2.97	100.0	17	188
103.0	60.0	30	06.0	118	25.0	BD	63	04	20	2016	142	495	2.87	100.0	96	147
103.0	65.0	29	57.0	118	44.0	BD	63	04	20	2256	140	512	2.74	100.0	163	222
103.0	70.0	29	48.0	119	03.0	BD	63	04	21	0126	141	492	2.86	100.0	77	131
103.0	80.0	29	28.5	119	40.3	BD	63	04	21	0611	139	458	3.04	100.0	41	125
103.0	90.0	29	06.0	120	24.8	BD	63	04	21	1056	142	460	3.08	100.0	15	182
107.0	30.0	30	30.0	116	03.3	BD	63	04	23	0215	10	127	0.83	100.0	114	211
107.0	31.0	30	27.8	116	07.0	BD	63	04	23	0049	36	137	2.62	100.0	136	182
107.0	32.0	30	25.8	116	11.0	BD	63	04	22	2336	136	486	2.81	100.0	120	220
107.0	35.0	30	21.5	116	22.5	BD	63	04	22	2141	137	492	2.76	100.0	30	90
107.0	40.0	30	10.0	116	43.0	BD	63	04	22	1844	140	474	2.95	100.0	40	11
107.0	45.0	29	59.7	117	03.2	BD	63	04	22	1601	140	483	2.91	100.0	91	178
107.0	50.0	29	50.5	117	22.0	BD	63	04	22	1326	143	498	2.86	100.0	9	21
107.0	55.0	29	42.0	117	43.2	BD	63	04	22	1041	140	481	2.90	100.0	8	19
107.0	60.0	29	31.2	118	01.5	BD	63	04	22	0751	138	476	2.90	100.0	10	77
107.0	65.0	29	21.2	118	21.2	BD	63	04	22	0501	140	464	3.01	100.0	25	174
107.0	70.0	29	11.0	118	41.0	BD	63	04	22	0211	141	484	2.92	100.0	8	159
107.0	80.0	28	52.5	119	21.8	BD	63	04	21	2006	138	499	2.77	100.0	21	59
107.0	90.0	28	33.0	119	58.5	BD	63	04	21	1526	144	485	2.96	100.0	10	76
110.0	32.0	29	52.0	115	48.0	AX	63	05	10	1844	21	110	1.91	100.0	21	563
110.0	35.0	29	46.0	116	00.0	AX	63	05	10	1701	132	562	2.36	100.0	12	3
110.0	40.0	29	37.2	116	20.7	AX	63	05	10	1211	130	552	2.36	100.0	6	6
110.0	45.0	29	24.3	116	39.0	AX	63	05	10	0826	142	512	2.77	100.0	10	6
110.0	50.0	29	16.0	116	59.0	AX	63	05	10	0536	142	494	2.87	100.0	19	14
110.0	55.0	29	06.0	117	20.0	AX	63	05	10	0026	139	510	2.73	100.0	41	0
110.0	60.0	28	56.0	117	39.0	AX	63	05	09	2206	141	508	2.78	100.0	33	7
110.0	65.0	28	46.0	117	58.0	AX	63	05	09	1836	142	513	2.76	100.0	10	1
110.0	70.0	28	36.1	118	18.0	AX	63	05	09	1531	136	537	2.53	100.0	34	150

TABLE 1. (cont.)

CalCOFI Cruise 6304

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
110.0	80.0	28	18.5	119	00.0	AX	63	05	09	0746	142	492	2.89	100.0	20	205
110.0	90.0	27	57.0	119	37.0	AX	63	05	09	0006	135	519	2.60	100.0	282	341
110.0	100.0	27	36.7	120	15.0	AX	63	05	08	1451	135	533	2.54	100.0	29	180
110.0	120.0	26	55.0	121	33.5	AX	63	05	08	0331	132	558	2.37	100.0	118	320
113.0	28.5	29	25.0	115	11.3	BD	63	04	23	1214	12	97	1.25	100.0	13	138
113.0	29.0	29	24.2	115	13.2	BD	63	04	23	1129	20	148	1.38	100.0	12	15
113.0	30.0	29	22.0	115	18.3	BD	63	04	23	1333	48	226	2.10	100.0	1	69
113.0	35.0	29	11.5	115	38.0	BD	63	04	23	1606	141	464	3.03	100.0	18	275
113.0	40.0	29	00.5	115	56.0	BD	63	04	23	1846	138	494	2.79	100.0	125	36
113.0	45.0	28	50.0	116	17.5	BD	63	04	23	2121	138	476	2.90	100.0	28	153
113.0	50.0	28	41.0	116	36.5	BD	63	04	24	2351	143	473	3.01	100.0	68	177
113.0	55.0	28	32.0	116	57.0	BD	63	04	24	0226	142	471	3.02	100.0	158	97
113.0	60.0	28	22.5	117	16.2	BD	63	04	24	0501	140	477	2.93	100.0	85	77
113.0	65.0	28	13.0	117	37.2	BD	63	04	24	0741	139	500	2.79	100.0	24	77
113.0	70.0	28	02.0	117	55.8	BD	63	04	24	0956	139	470	2.96	100.0	10	59
113.0	80.0	27	42.0	118	33.5	BD	63	04	24	1426	142	481	2.95	100.0	29	561
113.0	90.0	27	22.5	119	12.0	BD	63	04	24	1901	136	482	2.83	100.0	89	134
115.0	35.0	28	54.5	115	26.8	AX	63	05	24	0341	146	506	2.88	100.0	9	195
117.0	24.8	28	58.5	114	36.3	BD	63	04	26	1159	14	117	1.22	100.0	496	197
117.0	25.0	28	58.0	114	37.0	BD	63	04	26	1134	40	246	1.60	100.0	586	637
117.0	26.0	28	56.0	114	41.5	BD	63	04	26	1048	70	287	2.42	100.0	183	1426
117.0	30.0	28	48.0	114	56.6	BD	63	04	26	0847	90	330	2.72	100.0	126	1936
117.0	35.0	28	38.0	115	16.0	BD	63	04	26	0626	142	473	3.01	100.0	169	326
117.0	40.0	28	28.0	115	35.5	BD	63	04	26	0136	122	529	2.30	100.0	291	392
117.0	45.0	28	18.0	115	56.0	BD	63	04	25	2256	137	470	2.92	100.0	63	66
117.0	50.0	28	10.7	116	16.0	BD	63	04	25	2026	137	529	2.59	100.0	41	50
117.0	55.0	27	58.5	116	36.0	BD	63	04	25	1736	141	458	3.07	100.0	11	64
117.0	60.0	27	47.3	116	54.5	BD	63	04	25	1446	139	490	2.83	100.0	24	59
117.0	65.0	27	38.0	117	13.2	BD	63	04	25	1206	142	467	3.04	100.0	457	55
117.0	70.0	27	25.0	117	37.3	BD	63	04	25	0856	138	474	2.91	100.0	31	107
117.0	80.0	27	07.0	118	12.0	BD	63	04	25	0411	139	473	2.94	100.0	27	575
117.0	90.0	26	47.5	118	50.0	BD	63	04	24	2321	138	479	2.89	100.0	75	521
118.0	39.0	28	18.5	115	23.7	BD	63	04	26	0331	141	464	3.04	100.0	189	154
119.0	33.0	28	19.2	114	52.9	AX	63	05	12	0833	57	317	1.79	100.0	660	386
120.0	22.5	28	28.0	114	04.0	BD	63	04	26	1704	14	86	1.59	100.0	9	45
120.0	23.0	28	27.0	114	06.8	BD	63	04	26	1744	20	210	0.98	100.0	85	560
120.0	24.0	28	25.0	114	10.7	BD	63	04	26	1824	35	199	1.77	100.0	208	337
120.0	25.0	28	22.5	114	15.0	BD	63	04	26	1909	51	198	2.56	100.0	212	1062
120.0	30.0	28	13.0	114	34.0	BD	63	04	26	2138	80	383	2.09	100.0	764	2705
120.0	35.0	28	03.0	114	54.0	BD	63	05	02	1408	71	254	2.79	100.0	726	970
120.0	40.0	27	56.5	115	14.0	BD	63	05	02	1149	35	148	2.39	100.0	24	18
120.0	45.0	27	43.1	115	33.2	AX	63	05	12	1701	146	505	2.90	100.0	91	76
120.0	50.0	27	32.0	115	52.0	AX	63	05	12	2246	141	498	2.83	100.0	54	19
120.0	55.0	27	20.0	116	13.0	AX	63	05	13	0101	142	526	2.70	100.0	81	29
120.0	60.0	27	11.0	116	32.0	AX	63	05	13	0513	143	501	2.85	100.0	46	135

TABLE 1. (cont.)

CalCOFI Cruise 6304

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
120.0	65.0	27	00.5	116	48.6	AX	63	05	13	1121	139	512	2.72	100.0	51	46
120.0	70.0	26	52.5	117	12.8	AX	63	05	13	1611	140	484	2.90	100.0	45	51
120.0	80.0	26	32.5	117	49.0	AX	63	05	13	2311	138	501	2.76	100.0	25	466
120.0	90.0	26	14.0	118	27.0	AX	63	05	14	0556	142	495	2.87	100.0	41	385
120.0	100.0	25	57.9	119	06.7	AX	63	05	14	1346	142	518	2.73	100.0	32	604
120.0	120.0	25	12.5	120	22.5	AX	63	05	14	2326	144	487	2.95	100.0	84	408
123.0	36.0	27	26.3	114	37.0	BD	63	04	27	0619	47	192	2.42	100.0	21	46
123.0	37.0	27	24.0	114	40.0	BD	63	04	27	0538	62	172	3.60	100.0	57	44
123.0	42.0	27	14.0	114	59.0	AX	63	05	23	0746	126	584	2.16	100.0	80	102
123.0	42.0	27	14.0	114	59.0	BD	63	04	27	1126	134	416	3.22	100.0	11	48
123.0	45.0	27	08.0	115	10.5	BD	63	04	27	1311	137	507	2.71	100.0	52	88
123.0	50.0	26	57.6	115	33.0	BD	63	04	27	1601	136	483	2.82	100.0	35	57
123.0	55.0	26	48.5	115	49.5	BD	63	04	27	1846	140	468	3.00	100.0	10	80
123.0	60.0	26	38.5	116	09.5	BD	63	04	27	2121	134	496	2.71	100.0	16	78
123.0	65.0	26	28.5	116	28.0	BD	63	04	28	0001	140	472	2.96	100.0	27	195
123.0	70.0	26	19.0	116	47.0	BD	63	04	28	0236	139	504	2.75	100.0	64	339
123.0	80.0	25	59.0	117	25.5	BD	63	04	28	0651	136	476	2.86	100.0	18	37
123.5	35.6	27	24.2	114	31.8	BD	63	04	27	0745	15	183	0.80	100.0	15	1279
127.0	32.6	26	58.3	114	00.6	BD	63	04	29	1345	12	89	1.34	100.0	9	167
127.0	33.0	26	57.5	114	02.2	BD	63	04	29	1303	57	227	2.52	100.0	3	232
127.0	34.0	26	55.0	114	06.5	BD	63	04	29	1213	70	266	2.64	100.0	10	281
127.0	40.0	26	43.5	114	29.0	AX	63	05	29	0916	141	502	2.80	100.0	16	611
127.0	40.0	26	43.5	114	29.0	BD	63	04	29	0916	141	479	2.94	100.0	13	87
127.0	45.0	26	33.0	114	48.5	BD	63	04	29	0646	139	474	2.93	100.0	125	114
127.0	50.0	26	23.0	115	08.0	BD	63	04	29	0351	138	463	2.98	100.0	100	166
127.0	55.0	26	13.5	115	27.0	BD	63	04	29	0056	142	453	3.14	100.0	19	44
127.0	60.0	26	03.5	115	46.5	BD	63	04	28	2211	140	467	3.00	100.0	23	272
127.0	65.0	25	53.0	116	06.0	BD	63	04	28	1916	138	477	2.90	100.0	20	64
127.0	70.0	25	44.0	116	24.5	BD	63	04	28	1626	140	483	2.90	100.0	30	32
127.0	80.0	25	24.0	117	02.5	BD	63	04	28	1136	138	491	2.82	100.0	16	172
130.0	25.5	26	38.0	113	12.0	AX	63	05	18	0429	21	470	0.45	100.0	9	99
130.0	26.0	26	36.8	113	13.5	AX	63	05	18	0334	20	542	0.38	100.0	56	141
130.0	28.0	26	32.8	113	21.5	AX	63	05	18	0219	43	482	0.89	100.0	112	470
130.0	30.0	26	30.5	113	29.0	AX	63	05	18	0124	48	212	2.28	100.0	50	168
130.0	35.0	26	18.7	113	48.3	AX	63	05	17	2201	126	596	2.11	100.0	24	119
130.0	40.0	26	10.5	114	08.5	AX	63	05	17	1941	141	517	2.72	100.0	16	86
130.0	45.0	25	58.0	114	25.0	AX	63	05	17	1646	142	507	2.81	100.0	1	586
130.0	50.0	25	43.6	114	47.5	AX	63	05	17	1316	145	529	2.74	100.0	20	65
130.0	55.0	25	37.5	115	03.0	AX	63	05	17	0851	142	537	2.63	100.0	6	291
130.0	60.0	25	30.0	115	23.5	AX	63	05	17	0646	142	532	2.66	100.0	9	970
130.0	70.0	25	09.0	116	02.0	AX	63	05	17	0006	144	508	2.83	100.0	69	16
130.0	80.0	24	49.5	116	39.0	AX	63	05	16	1536	143	503	2.83	100.0	56	183
130.0	90.0	24	30.0	117	25.0	AX	63	05	16	0716	142	492	2.88	100.0	88	144
130.0	100.0	24	09.0	117	55.0	AX	63	05	15	2336	133	539	2.46	100.0	97	511
130.0	120.0	23	32.9	119	05.9	AX	63	05	15	1226	140	504	2.78	100.0	33	271

TABLE 1. (cont.)

CalCOFI Cruise 6304

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	19.5	26 13.6	112 25.8	BD	63 04 30	0115	14	93	1.56	100.0	3	118
133.0	21.0	26 12.6	112 32.3	BD	63 04 30	0219	43	250	1.71	100.0	6	231
133.0	23.0	26 08.5	112 40.2	BD	63 04 30	0318	71	271	2.63	100.0	3	33
133.0	25.0	26 04.5	112 48.0	BD	63 04 30	0428	73	323	2.27	100.0	34	206
133.0	30.0	25 54.5	113 07.5	BD	63 04 30	0651	138	485	2.85	100.0	7	50
133.0	35.0	25 44.0	113 26.5	BD	63 04 30	0926	139	458	3.03	100.0	5	127
133.0	40.0	25 34.1	113 45.8	BD	63 04 30	1146	143	500	2.87	100.0	8	39
133.0	45.0	25 24.8	114 03.5	BD	63 04 30	1421	144	460	3.13	100.0	6	32
133.0	50.0	25 14.5	114 24.0	BD	63 04 30	1646	136	495	2.75	100.0	6	17
133.0	55.0	25 04.5	114 43.0	BD	63 04 30	1926	138	478	2.89	100.0	209	59
133.0	60.0	24 54.5	115 02.0	BD	63 04 30	2206	139	450	3.08	100.0	31	136
133.0	65.0	24 44.5	115 20.5	BD	63 05 01	0046	139	476	2.93	100.0	53	159
133.0	70.0	24 34.5	115 39.0	BD	63 05 01	0331	139	481	2.90	100.0	25	36
133.0	80.0	24 14.5	116 17.0	BD	63 05 01	0806	140	456	3.06	100.0	16	39
137.0	20.0	25 40.7	112 07.3	AX	63 05 19	0005	11	469	0.23	100.0	136	1308
137.0	21.0	25 38.0	112 11.2	AX	63 05 19	0110	14	414	0.33	100.0	630	487
137.0	22.0	25 35.8	112 15.0	AX	63 05 19	0159	33	472	0.69	50.0	155	19
137.0	23.0	25 33.8	112 19.2	AX	63 05 19	0248	56	210	2.67	100.0	264	63
137.0	30.0	25 21.4	112 42.1	AX	63 05 19	0716	142	469	3.03	100.0	6	74
137.0	35.0	25 04.2	113 04.7	AX	63 05 19	1011	142	486	2.92	100.0	2	28
137.0	40.0	25 00.0	113 23.5	AX	63 05 19	1356	138	505	2.74	100.0	3	148
137.0	45.0	24 49.0	113 42.0	AX	63 05 19	1646	143	511	2.79	100.0	2	1315
137.0	50.0	24 39.0	114 01.5	AX	63 05 19	2016	142	512	2.78	100.0	3	163
137.0	55.0	24 29.4	114 20.1	AX	63 05 19	2231	143	515	2.77	100.0	4	145
137.0	60.0	24 19.9	114 39.4	AX	63 05 20	0306	142	527	2.69	100.0	5	314
137.0	70.0	23 59.5	115 18.0	AX	63 05 20	1056	141	542	2.60	100.0	8	16
137.0	80.0	23 40.0	115 55.1	AX	63 05 20	1741	141	531	2.65	100.0	82	55
140.0	28.8	24 47.8	112 19.1	AX	63 05 22	0110	14	489	0.28	100.0	20	47
140.0	29.0	24 47.3	112 20.2	AX	63 05 22	0029	30	483	0.61	100.0	5	73
140.0	30.0	24 45.5	112 23.8	AX	63 05 21	2318	69	268	2.59	100.0	14	13
140.0	35.0	24 35.3	112 43.2	AX	63 05 21	2011	145	527	2.75	100.0	1	25
140.0	40.0	24 27.0	113 02.5	AX	63 05 21	1756	145	493	2.94	100.0	2	244
140.0	45.0	24 14.7	113 22.1	AX	63 05 21	1236	144	515	2.80	100.0	5	11
140.0	50.0	24 07.0	113 39.5	AX	63 05 21	0946	144	501	2.85	100.0	10	3

TABLE 1. (cont.)

CalCOFI Cruise 6307

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	50.0	34	28.0	120	29.1	BD	63	07	10	1824	12	92	1.28	100.0	14	100
80.0	51.0	34	26.2	120	32.0	BD	63	07	10	1910	96	312	3.08	100.0	2	129
80.0	52.0	34	24.5	120	36.5	BD	63	07	10	2001	137	494	2.78	100.0	13	36
80.0	55.0	34	19.0	120	48.0	BD	63	07	10	2201	134	528	2.54	100.0	34	8
80.0	60.0	34	09.0	121	09.0	BD	63	07	11	0126	493	142	2.88	50.0	17	35
80.0	65.0	33	59.0	121	30.0	BD	63	07	11	0631	137	518	2.65	50.0	23	11
80.0	70.0	33	49.0	121	52.0	BD	63	07	11	0921	135	507	2.66	50.0	39	37
80.0	80.0	33	29.0	122	32.0	BD	63	07	11	1431	140	506	2.76	50.0	3	7
80.0	90.0	33	09.0	123	13.0	BD	63	07	11	1941	133	551	2.41	25.0	3	6
82.0	47.0	34	15.0	119	58.0	BD	63	07	13	0216	144	451	3.18	50.0	14	358
83.0	39.0	34	15.5	119	17.6	BD	63	07	13	0730	12	112	1.09	100.0	345	2106
83.0	40.0	34	13.8	119	21.7	BD	63	07	13	0648	13	113	1.13	100.0	229	526
83.0	43.0	34	08.0	119	34.0	BD	63	07	13	0501	143	458	3.11	50.0	58	19
83.0	51.0	33	52.0	120	07.6	BD	63	07	12	2232	79	306	2.59	100.0	125	710
83.0	55.0	33	42.8	120	25.3	BD	63	07	12	1956	131	478	2.74	100.0	50	2
83.0	60.0	33	34.0	120	45.0	BD	63	07	12	1634	138	476	2.89	25.0	10	3
83.0	65.0	33	23.0	121	05.0	BD	63	07	12	1401	129	562	2.29	50.0	13	7
83.0	70.0	33	14.0	121	26.0	BD	63	07	12	1131	136	527	2.58	100.0	19	42
83.0	80.0	32	54.5	122	07.0	BD	63	07	12	0641	140	496	2.83	50.0	2	6
83.0	90.0	32	34.5	122	47.5	BD	63	07	12	0131	140	500	2.80	100.0	7	7
87.0	32.5	33	54.0	118	26.5	BD	63	07	13	1253	6	121	0.54	25.0	2	3424
87.0	33.0	33	54.0	118	29.5	BD	63	07	13	1321	44	164	2.67	100.0	114	586
87.0	34.0	33	52.0	118	33.5	BD	63	07	13	1409	67	242	2.76	100.0	41	31
87.0	35.0	33	50.0	118	37.5	BD	63	07	13	1446	139	486	2.86	50.0	5	2
87.0	40.0	33	40.0	118	58.0	BD	63	07	13	1721	142	474	3.00	100.0	5	0
87.0	45.0	33	29.8	119	18.8	BD	63	07	13	2011	135	485	2.78	100.0	11	0
87.0	50.0	33	18.8	119	40.0	BD	63	07	13	2318	48	196	2.46	100.0	10	21
87.0	55.0	33	09.8	120	00.0	BD	63	07	14	0156	140	488	2.87	100.0	150	12
87.0	60.0	32	57.0	120	20.6	BD	63	07	14	0441	138	503	2.74	100.0	181	316
87.0	65.0	32	46.0	120	46.0	BD	63	07	14	0731	136	535	2.53	50.0	11	22
87.0	70.0	32	38.0	121	08.5	BD	63	07	14	1011	137	497	2.65	100.0	11	38
87.0	80.0	32	21.2	121	42.2	BD	63	07	14	1431	141	479	2.94	50.0	0	7
87.0	90.0	31	59.0	122	24.0	BD	63	07	14	1921	138	482	2.86	50.0	1	16
90.0	27.5	33	29.5	117	45.0	BD	63	07	16	1434	14	115	1.23	100.0	413	2226
90.0	28.0	33	28.3	117	47.0	BD	63	07	16	1341	144	490	2.93	100.0	16	127
90.0	32.0	33	21.0	118	01.5	BD	63	07	16	1116	133	512	2.59	100.0	4	17
90.0	37.0	33	11.0	118	22.5	BD	63	07	16	0756	135	501	2.70	100.0	3	2
90.0	45.0	32	54.5	118	55.3	BD	63	07	16	0336	139	497	2.79	100.0	59	1
90.0	53.0	32	47.2	119	14.7	BD	63	07	16	0051	138	480	2.88	100.0	88	1
90.0	60.0	32	24.5	120	03.8	BD	63	07	15	1826	141	461	3.05	50.0	13	11
90.0	65.0	32	16.5	120	18.5	BD	63	07	15	1546	136	487	2.79	100.0	161	17
90.0	70.0	32	04.0	120	40.8	BD	63	07	15	1201	142	476	2.98	100.0	24	106
90.0	80.0	31	42.5	121	24.5	BD	63	07	15	0546	143	448	3.19	100.0	0	21
90.0	90.0	31	24.2	122	01.0	BD	63	07	15	0001	138	469	2.94	50.0	6	40
93.0	26.5	32	57.0	117	17.0	BD	63	07	16	1909	10	87	1.18	100.0	73	429

TABLE 1. (cont.)

CalCOFI Cruise 6307

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)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	27.0	32	56.0	117	19.0	BD	63	07	16	1932	80	314	2.55	50.0	88	58
93.0	28.0	32	55.0	117	21.5	BD	63	07	16	2006	134	468	2.86	13.0	4	1
93.0	30.0	32	50.5	117	30.5	BD	63	07	16	2156	139	512	2.88	100.0	36	16
93.0	35.0	32	40.5	117	51.5	BD	63	07	17	0056	138	483	2.87	100.0	53	0
93.0	40.0	32	30.0	118	11.5	BD	63	07	17	0314	142	465	3.06	50.0	35	58
93.0	45.0	32	20.0	118	32.0	BD	63	07	17	0616	140	429	3.27	100.0	26	25
93.0	50.0	32	10.0	118	53.0	BD	63	07	17	0851	134	441	3.05	100.0	1	34
93.0	55.0	32	00.0	119	13.5	BD	63	07	17	1221	140	463	3.02	100.0	0	63
93.0	60.0	31	50.2	119	34.0	BD	63	07	17	1501	139	474	2.93	100.0	2	50
93.0	65.0	31	40.0	119	53.7	BD	63	07	17	1816	141	454	3.12	100.0	28	19
93.0	70.0	31	30.2	120	15.2	BD	63	07	17	2016	139	459	3.02	100.0	15	67
93.0	80.0	31	07.5	120	52.7	BD	63	07	18	0131	136	498	2.74	100.0	14	37
97.0	28.7	32	19.4	117	03.8	BD	63	07	20	1429	11	81	1.31	100.0	71	502
97.0	29.0	32	17.5	117	04.7	BD	63	07	20	1530	49	202	2.42	100.0	9	0
97.0	30.0	32	16.0	117	08.5	BD	63	07	19	0938	57	214	2.65	100.0	5	5
97.0	32.0	32	12.0	117	16.5	BD	63	07	19	0806	138	506	2.73	50.0	10	6
97.0	35.0	32	05.6	117	28.5	BD	63	07	19	0611	143	439	3.25	100.0	0	3
97.0	40.0	31	55.8	117	48.0	BD	63	07	19	0321	137	438	3.12	100.0	24	118
97.0	45.0	31	46.0	118	12.5	BD	63	07	19	0041	139	405	3.43	100.0	9	126
97.0	50.0	31	37.0	118	33.2	BD	63	07	18	2156	138	328	4.20	100.0	50	87
97.0	55.0	31	27.5	118	56.0	BD	63	07	18	1851	138	441	3.12	100.0	19	237
97.0	60.0	31	16.8	119	10.5	BD	63	07	18	1611	140	467	3.00	100.0	18	256
97.0	65.0	31	06.5	119	27.5	BD	63	07	18	1346	140	481	2.91	100.0	6	31
97.0	70.0	30	57.3	119	48.0	BD	63	07	18	1101	139	474	2.93	100.0	7	56
97.0	80.0	30	35.5	120	30.5	BD	63	07	18	0611	138	477	2.90	100.0	6	117
100.0	29.0	31	42.2	116	43.4	BD	63	07	20	2004	55	224	2.48	100.0	22	59
100.0	30.0	31	40.6	116	46.6	BD	63	07	20	2047	137	535	2.56	100.0	9	2
100.0	35.0	31	30.8	117	06.7	BD	63	07	20	2350	142	501	2.84	100.0	30	3
100.0	40.0	31	20.9	117	26.8	BD	63	07	21	0326	146	465	3.13	100.0	43	5
100.0	45.0	31	10.0	117	47.0	BD	63	07	21	0626	135	474	2.84	100.0	23	23
100.0	50.0	31	00.0	118	07.0	BD	63	07	21	1026	140	464	3.01	100.0	9	30
100.0	55.0	30	50.5	118	26.0	BD	63	07	21	1351	139	482	2.88	100.0	13	19
100.0	60.0	30	40.0	118	47.0	BD	63	07	21	1641	137	466	2.93	100.0	10	361
100.0	65.0	30	30.0	119	10.0	BD	63	07	21	2025	139	423	3.29	100.0	18	94
100.0	70.0	30	19.6	119	32.5	BD	63	07	21	2310	138	446	3.09	100.0	118	1041
100.0	80.0	29	59.5	120	16.0	BD	63	07	22	0456	134	468	2.87	100.0	23	363
100.0	90.0	29	40.5	120	46.0	BD	63	07	22	0956	137	471	2.92	100.0	59	78
103.0	28.7	31	07.8	116	19.2	BD	63	07	24	0139	14	61	2.33	100.0	15	232
103.0	29.0	31	07.0	116	21.0	BD	63	07	24	0057	15	186	0.82	100.0	86	1983
103.0	30.0	31	05.2	116	25.1	BD	63	07	24	0018	62	207	3.01	100.0	24	145
103.0	35.0	30	55.1	116	45.2	BD	63	07	23	2120	139	460	3.01	100.0	30	5
103.0	40.0	30	45.8	117	06.0	BD	63	07	23	1825	139	442	3.15	100.0	25	4
103.0	45.0	30	36.5	117	25.1	BD	63	07	23	1541	134	425	3.15	100.0	10	10
103.0	50.0	30	28.2	117	48.5	BD	63	07	23	1241	142	453	3.13	100.0	6	41
103.0	55.0	30	21.0	118	08.0	BD	63	07	23	1025	138	453	3.04	100.0	23	34

TABLE 1. (cont.)

CalCOFI Cruise 6307

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)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
103.0	60.0	30	09.0	118	29.5	BD	63	07	23	0726	138	465	2.96	100.0	7	59
103.0	65.0	29	59.0	118	49.0	BD	63	07	23	0431	139	465	2.99	100.0	96	188
103.0	70.0	29	47.8	119	08.5	BD	63	07	23	0151	139	472	2.94	100.0	96	86
103.0	80.0	29	28.5	119	45.8	BD	63	07	22	2036	140	486	2.88	100.0	108	434
103.0	90.0	29	07.5	120	23.0	BD	63	07	22	1531	142	450	3.16	100.0	81	389
107.0	30.0	30	30.0	116	03.3	BD	63	07	24	0610	8	62	1.35	100.0	37	240
107.0	31.0	30	27.8	116	07.0	BD	63	07	24	0640	21	117	1.76	100.0	621	1122
107.0	32.0	30	26.0	116	11.2	BD	63	07	24	0716	138	448	3.08	100.0	140	236
107.0	35.0	30	20.1	116	23.0	BD	63	07	24	0911	139	446	3.12	100.0	70	37
107.0	40.0	30	09.8	116	43.5	BD	63	07	24	1201	139	435	3.21	50.0	1	2
107.0	45.0	29	59.4	117	04.5	BD	63	07	24	1456	141	457	3.08	100.0	12	2
107.0	50.0	29	49.1	117	24.5	BD	63	07	24	1741	141	441	3.20	100.0	13	44
107.0	55.0	29	43.5	117	46.0	BD	63	07	24	1946	136	430	3.16	100.0	28	12
107.0	60.0	29	31.0	118	00.0	BD	63	07	24	2206	138	440	3.14	100.0	25	953
107.0	65.0	29	19.8	118	19.5	BD	63	07	25	0056	141	446	3.15	100.0	55	296
107.0	70.0	29	12.0	118	40.8	BD	63	07	25	0330	138	456	3.04	100.0	25	1051
107.0	80.0	28	51.2	119	19.5	BD	63	07	25	0846	140	461	3.03	100.0	81	500
107.0	90.0	28	30.5	119	57.3	BD	63	07	25	1356	141	470	3.00	100.0	24	70
110.0	32.0	29	52.0	115	48.0	BD	63	07	27	0730	19	72	1.63	100.0	6	512
110.0	35.0	29	46.0	116	00.0	BD	63	07	27	0446	130	531	2.46	100.0	207	338
110.0	40.0	29	36.0	116	19.0	BD	63	07	27	0156	144	461	3.11	100.0	0	8
110.0	45.0	29	26.0	116	39.0	BD	63	07	26	2306	137	479	2.85	100.0	10	63
110.0	50.0	29	16.0	116	59.0	BD	63	07	26	2011	138	484	2.85	100.0	2	136
110.0	55.0	29	06.0	117	19.0	BD	63	07	26	1720	140	468	2.98	100.0	10	27
110.0	60.0	28	58.7	117	39.0	BD	63	07	26	1401	139	464	3.00	100.0	5	29
110.0	65.0	28	46.2	117	57.8	BD	63	07	26	1136	136	470	2.89	100.0	7	194
110.0	70.0	28	37.0	118	17.0	BD	63	07	26	0806	136	448	3.04	50.0	1	9
110.0	80.0	28	16.5	119	02.5	BD	63	07	26	0041	143	451	3.18	100.0	35	322
110.0	90.0	27	56.3	119	42.0	BD	63	07	25	1821	139	460	3.02	100.0	14	201
113.0	28.0	29	25.0	115	11.3	BD	63	07	27	1319	8	94	0.86	100.0	1	105
113.0	29.0	29	24.2	115	13.2	BD	63	07	27	1342	15	111	1.38	100.0	21	75
113.0	30.0	29	21.9	115	18.2	BD	63	07	27	1425	48	185	2.62	100.0	74	167
113.0	35.0	29	11.5	115	38.2	BD	63	07	27	1711	142	467	3.05	100.0	2	6
113.0	40.0	29	02.3	115	57.1	BD	63	07	27	1946	139	472	2.96	100.0	2	18
113.0	45.0	28	52.0	116	18.0	BD	63	07	27	2216	143	485	2.95	100.0	2	78
113.0	50.0	28	41.5	116	36.5	BD	63	07	28	0041	141	483	2.91	100.0	0	77
113.0	55.0	28	32.0	116	56.5	BD	63	07	28	0326	140	499	2.80	100.0	0	59
113.0	60.0	28	22.5	117	15.5	BD	63	07	28	0556	139	470	2.95	100.0	20	74
113.0	65.0	28	14.0	117	36.7	BD	63	07	28	0826	139	468	2.96	100.0	190	124
113.0	70.0	28	05.2	117	55.5	BD	63	07	28	1056	138	477	2.89	100.0	25	102
113.0	80.0	27	44.0	118	36.5	BD	63	07	28	1546	136	494	2.76	100.0	24	144
113.0	90.0	27	23.5	119	11.5	BD	63	07	28	2015	142	463	3.07	100.0	373	72
117.0	24.8	28	58.5	114	36.3	BD	63	07	30	1709	12	74	1.65	100.0	136	463
117.0	25.0	28	58.0	114	37.0	BD	63	07	30	1630	34	177	1.95	100.0	244	314
117.0	26.0	28	56.0	114	41.2	BD	63	07	30	1533	64	286	2.23	100.0	45	563

TABLE 1. (cont.)

CalCOFI Cruise 6307

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
117.0	30.0	28	47.8	114	56.3	BD	63	07	30	1323	92	323	2.86	100.0	0	4
117.0	35.0	28	38.0	115	16.2	BD	63	07	30	1031	142	489	2.91	100.0	6	3
117.0	40.0	28	28.0	115	35.2	BD	63	07	30	0526	140	485	2.89	100.0	3	148
117.0	45.0	28	18.0	115	56.0	BD	63	07	30	0221	144	479	3.01	100.0	3	117
117.0	50.0	28	08.0	116	15.0	BD	63	07	30	0041	143	506	2.82	100.0	1	69
117.0	55.0	27	58.5	116	36.0	BD	63	07	29	2100	139	492	2.83	100.0	11	21
117.0	60.0	27	51.5	116	55.0	BD	63	07	29	1625	136	492	2.75	100.0	163	84
117.0	65.0	27	41.5	117	15.5	BD	63	07	29	1351	141	475	2.96	100.0	227	176
117.0	70.0	27	27.0	117	33.0	BD	63	07	29	1106	139	456	3.04	100.0	332	255
117.0	80.0	27	07.5	118	06.0	BD	63	07	29	0636	140	451	3.10	100.0	109	310
117.0	90.0	26	46.0	118	47.5	BD	63	07	29	0101	140	472	2.96	100.0	212	232
118.0	39.0	28	18.7	115	23.7	BD	63	07	30	0726	141	488	2.88	100.0	1	95
119.0	33.0	28	18.2	114	53.0	BD	63	07	31	0415	93	342	2.71	100.0	26	524
120.0	22.3	28	28.0	114	04.0	BD	63	07	30	2140	14	59	2.36	100.0	142	968
120.0	23.0	28	26.9	114	06.7	BD	63	07	30	1020	13	61	2.07	100.0	140	715
120.0	24.0	28	25.0	114	10.7	BD	63	07	30	2300	28	102	2.72	100.0	241	571
120.0	25.0	28	22.4	114	15.0	BD	63	07	30	2339	40	126	3.20	100.0	478	614
120.0	30.0	28	13.0	114	34.0	BD	63	07	31	0207	101	402	2.50	100.0	94	3146
120.0	35.0	28	03.0	114	54.0	BD	63	07	31	0617	61	260	2.34	100.0	97	564
120.0	40.0	27	56.5	115	13.8	BD	63	07	31	0840	17	79	2.12	100.0	146	622
120.0	45.0	27	43.1	115	33.0	BD	63	07	31	1106	133	439	3.04	100.0	63	442
120.0	50.0	27	33.2	115	51.1	BD	63	07	31	1436	141	413	3.42	100.0	90	986
120.0	55.0	27	22.0	116	11.6	BD	63	07	31	1746	136	398	3.42	100.0	121	179
120.0	60.0	27	12.5	116	30.3	BD	63	07	31	2020	138	407	3.39	100.0	536	369
120.0	65.0	27	02.7	116	49.5	BD	63	07	31	2330	141	428	3.30	100.0	181	63
120.0	70.0	26	53.0	117	08.2	BD	63	08	01	0211	138	453	3.04	100.0	233	47
120.0	80.0	26	33.2	117	46.8	BD	63	08	01	0721	138	462	2.99	100.0	57	674
123.0	36.0	27	26.2	114	36.0	BD	63	08	02	1246	32	146	2.22	100.0	2	23
123.0	37.0	27	24.3	114	40.0	BD	63	08	02	1203	63	238	2.65	100.0	4	33
123.0	42.0	27	14.0	114	59.2	BD	63	08	02	0841	141	444	3.18	100.0	258	174
123.0	45.0	27	08.0	115	11.6	BD	63	08	02	0646	140	471	2.97	100.0	23	328
123.0	50.0	26	58.9	115	36.7	BD	63	08	02	0345	132	512	2.58	100.0	241	336
123.0	55.0	26	49.2	115	54.0	BD	63	08	02	0106	142	472	3.00	100.0	532	226
123.0	60.0	26	39.3	116	11.8	BD	63	08	01	2226	138	486	2.84	100.0	491	70
123.0	65.0	26	29.3	116	29.3	BD	63	08	01	1946	140	471	2.97	100.0	469	30
123.0	70.0	26	19.0	116	46.9	BD	63	08	01	1716	136	508	2.68	100.0	242	78
123.0	80.0	26	01.7	117	20.5	BD	63	08	01	0145	138	474	2.91	100.0	116	2842
124.0	36.0	27	24.2	114	31.8	BD	63	08	02	1324	19	74	1.58	100.0	1	85
127.0	33.0	26	58.3	114	00.6	BD	63	08	02	1800	14	67	2.05	100.0	0	140
127.0	33.0	26	57.5	114	02.2	BD	63	08	02	1814	48	191	2.52	100.0	10	367
127.0	34.0	26	55.5	114	06.2	BD	63	08	02	1900	51	164	3.09	100.0	3	69
127.0	40.0	26	42.8	114	30.3	BD	63	08	02	2211	139	333	4.18	100.0	233	226
127.0	45.0	26	32.3	114	50.2	BD	63	08	03	0131	138	309	4.47	100.0	84	191
127.0	50.0	26	22.0	115	11.2	BD	63	08	03	0416	138	345	4.01	100.0	19	19
127.0	55.0	26	11.0	115	31.2	BD	63	08	03	0700	137	453	3.02	100.0	313	157

TABLE 1. (cont.)

CalCOFI Cruise 6307

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
127.0	60.0	26	03.4	115	46.3	BD	63	08	03	0916	139	412	3.38	100.0	162	389
127.0	65.0	25	53.8	116	05.0	BD	63	08	03	1136	139	471	2.95	100.0	241	752
127.0	70.0	25	44.0	116	24.6	BD	63	08	03	1405	139	474	2.93	100.0	209	204
127.0	80.0	25	23.8	117	03.0	BD	63	08	03	1836	141	466	3.03	100.0	199	75
130.0	25.5	26	38.0	113	11.1	BD	63	08	05	0805	8	54	1.51	100.0	155	606
130.0	26.0	26	37.0	113	13.1	BD	63	08	05	0730	10	62	1.69	50.0	618	1488
130.0	28.0	26	33.2	113	21.0	BD	63	08	05	0619	47	165	2.85	100.0	1653	1232
130.0	30.0	26	29.0	113	29.0	BD	63	08	05	0503	54	230	2.34	100.0	650	591
130.0	35.0	26	17.0	113	48.3	BD	63	08	05	0210	133	408	3.25	100.0	393	301
130.0	40.0	26	08.2	114	06.2	BD	63	08	04	2316	135	430	3.15	100.0	326	670
130.0	45.0	25	58.8	114	26.7	BD	63	08	04	2031	138	409	3.39	100.0	483	187
130.0	50.0	25	53.0	114	47.5	BD	63	08	04	1706	140	438	3.19	100.0	53	158
130.0	55.0	25	42.2	115	05.5	BD	63	08	04	1411	140	444	3.16	100.0	102	325
130.0	60.0	25	33.0	115	22.0	BD	63	08	04	1131	137	472	2.91	100.0	125	1867
130.0	65.0	25	18.3	115	42.2	BD	63	08	04	0846	138	481	2.87	100.0	230	104
130.0	70.0	25	05.8	116	00.0	BD	63	08	04	0456	138	481	2.86	100.0	1097	83
130.0	80.0	24	49.0	116	39.2	BD	63	08	03	2331	140	462	3.04	100.0	385	94
133.0	20.5	26	13.6	112	25.8	BD	63	08	05	1409	10	64	1.58	12.0	282	4692
133.0	21.0	26	12.6	112	32.3	BD	63	08	05	1311	36	116	3.16	50.0	786	695
133.0	23.0	26	08.5	112	40.2	BD	63	08	05	1553	63	206	3.07	50.0	480	1229
133.0	25.0	26	04.5	112	48.0	BD	63	08	05	1658	72	225	3.20	100.0	1172	543
133.0	30.0	25	54.5	113	07.3	BD	63	08	05	1936	135	460	2.93	100.0	74	24
133.0	35.0	25	44.0	113	26.5	BD	63	08	05	2226	137	197	2.83	100.0	74	10
133.0	40.0	25	33.5	113	45.7	BD	63	08	06	0100	136	432	3.14	100.0	769	99
133.0	45.0	25	23.5	114	03.2	BD	63	08	06	0346	139	456	3.04	100.0	478	302
133.0	50.0	25	12.3	114	23.0	BD	63	08	06	0636	138	473	2.92	100.0	186	53
133.0	55.0	24	59.8	114	43.0	BD	63	08	06	0906	138	467	2.95	100.0	190	1940
133.0	60.0	24	49.7	115	00.2	BD	63	08	06	1156	139	474	2.94	100.0	170	176
133.0	65.0	24	42.8	115	19.2	BD	63	08	06	1421	136	518	2.62	100.0	370	278
133.0	70.0	24	33.8	115	40.0	BD	63	08	06	1631	135	530	2.55	100.0	348	99
133.0	80.0	24	14.5	116	16.7	BD	63	08	06	2100	139	499	2.79	100.0	517	424
137.0	50.0	24	40.0	114	02.0	BD	63	08	07	2106	140	485	2.89	100.0	206	231
137.0	55.0	24	30.5	114	22.0	BD	63	08	07	1720	138	492	2.81	100.0	74	427
137.0	60.0	24	22.3	114	39.8	BD	63	08	07	1345	141	486	2.91	100.0	142	44
137.0	65.0	24	14.5	114	58.0	BD	63	08	07	1126	140	461	3.04	100.0	72	660
137.0	70.0	24	01.0	115	18.0	BD	63	08	07	0750	140	497	2.81	100.0	145	310
137.0	80.0	23	36.0	116	00.0	BD	63	08	07	0135	142	474	3.00	100.0	514	68

TABLE 1. (cont.)

CalCOFI Cruise 6310

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)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	50.2	34	28.1	120	29.1	BD	63	10	02	1225	139	512	0.29	100.0	22	364
80.0	51.0	34	26.0	120	32.3	BD	63	10	02	1318	69	483	1.44	100.0	167	68
80.0	52.0	34	24.7	120	35.8	BD	63	10	02	1356	139	512	2.71	100.0	48	28
80.0	55.0	34	18.7	120	48.2	BD	63	10	02	1556	141	529	2.66	100.0	20	14
80.0	60.0	34	09.0	121	09.0	BD	63	10	02	1856	141	501	2.81	100.0	14	6
80.0	65.0	33	59.0	121	30.0	BD	63	10	02	2226	141	495	2.85	100.0	11	16
80.0	70.0	33	49.1	121	51.0	BD	63	10	03	0100	139	522	2.66	100.0	8	8
80.0	80.0	33	28.7	122	32.5	BD	63	10	03	0635	138	501	2.76	100.0	52	53
80.0	90.0	33	07.8	123	12.5	BD	63	10	03	1216	138	529	2.61	100.0	3	4
82.0	47.0	34	15.0	119	58.0	BD	63	10	04	1711	133	552	2.42	100.0	40	44
83.0	39.0	34	15.5	119	17.7	BD	63	10	04	2220	138	523	0.22	100.0	168	2063
83.0	40.0	34	14.0	119	22.0	BD	63	10	04	2140	11	506	1.44	100.0	162	271
83.0	43.0	34	08.0	119	34.0	BD	63	10	04	1957	16	110	2.66	100.0	122	18
83.0	51.0	33	51.8	120	07.5	BD	63	10	04	1347	138	477	2.90	100.0	91	953
83.0	55.0	33	45.2	120	21.3	BD	63	10	04	1206	138	520	2.65	100.0	9	18
83.0	60.0	33	34.0	120	45.0	BD	63	10	04	0830	138	517	2.67	100.0	19	39
83.0	65.0	33	25.5	121	02.6	BD	63	10	04	0630	142	523	2.71	100.0	4	8
83.0	70.0	33	15.2	121	24.2	BD	63	10	04	0340	138	530	2.60	100.0	8	18
83.0	80.0	32	54.0	122	07.2	BD	63	10	03	2236	137	529	2.60	100.0	84	51
83.0	90.0	32	34.5	122	47.5	BD	63	10	03	1731	138	522	2.64	100.0	11	8
87.0	32.5	33	54.0	118	26.5	BD	63	10	05	0425	7	523	0.14	100.0	76	1889
87.0	33.0	33	54.2	118	29.4	BD	63	10	05	0514	22	379	0.59	100.0	37	50
87.0	34.0	33	52.2	118	33.4	BD	63	10	05	0554	35	516	0.68	100.0	132	1574
87.0	35.0	33	50.0	118	37.5	BD	63	10	05	0646	140	510	2.74	100.0	32	7
87.0	40.0	33	40.0	118	58.0	BD	63	10	05	0946	137	513	2.66	100.0	6	5
87.0	45.0	33	29.8	119	19.0	BD	63	10	05	1151	142	502	2.83	100.0	7	2
87.0	50.0	33	20.0	119	39.5	BD	63	10	05	1439	65	189	3.43	100.0	27	255
87.0	55.0	33	10.0	120	00.0	BD	63	10	05	1657	136	512	2.83	100.0	3	0
87.0	60.0	33	00.0	120	21.5	BD	63	10	05	1916	140	514	2.65	100.0	92	129
87.0	65.0	32	49.5	120	42.5	BD	63	10	05	2151	140	517	2.72	100.0	8	10
87.0	70.0	32	40.0	121	03.0	BD	63	10	06	0016	140	496	2.64	100.0	37	364
87.0	80.0	32	20.0	121	43.0	BD	63	10	06	0451	140	488	2.82	100.0	25	58
87.0	90.0	31	59.0	122	24.0	BD	63	10	06	0911	140	524	2.87	100.0	7	7
90.0	27.5	33	29.5	117	44.8	BD	63	10	08	0240	7	434	0.16	100.0	246	53
90.0	28.0	33	28.5	117	46.7	BD	63	10	08	0116	136	472	2.89	100.0	53	2
90.0	32.0	33	20.8	118	01.6	BD	63	10	07	2251	139	460	3.02	100.0	48	2
90.0	37.0	33	11.0	118	22.7	BD	63	10	07	1901	141	451	3.13	100.0	24	9
90.0	45.0	32	54.5	118	55.5	BD	63	10	07	1441	139	500	2.78	100.0	4	5
90.0	53.0	32	38.0	119	26.5	BD	63	10	07	1026	141	459	3.07	100.0	5	2
90.0	60.0	32	24.5	119	57.5	BD	63	10	07	0626	138	488	2.83	100.0	1	2
90.0	65.0	32	16.0	120	18.8	BD	63	10	07	0346	141	486	2.90	100.0	0	0
90.0	70.0	32	07.0	120	39.0	BD	63	10	07	0041	140	517	2.71	100.0	5	3
90.0	80.0	31	46.0	121	22.0	BD	63	10	06	1856	139	498	2.79	100.0	41	57
90.0	90.0	31	24.3	122	01.0	BD	63	10	06	1346	137	483	2.67	100.0	19	12
93.0	26.5	32	56.8	117	16.7	BD	63	10	08	0750	7	510	0.14	100.0	84	691

TABLE 1. (cont.)

CalCOFI Cruise 6310

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	27.0	32	56.0	117	19.0	BD	63	10	08	0838	58	450	1.29	100.0	37	50
93.0	28.0	32	55.0	117	21.8	BD	63	10	08	0916	142	409	3.49	100.0	17	7
93.0	30.0	32	50.3	117	31.3	BD	63	10	08	1046	141	442	3.19	100.0	4	5
93.0	35.0	32	40.5	117	51.5	BD	63	10	08	1356	138	543	2.54	100.0	17	14
93.0	40.0	32	30.0	118	11.5	BD	63	10	08	1626	136	527	2.58	100.0	3	5
93.0	45.0	32	19.0	118	33.5	BD	63	10	08	1936	137	525	2.60	100.0	22	2
93.0	50.0	32	08.8	118	54.5	BD	63	10	08	2216	139	521	2.66	100.0	26	1
93.0	55.0	31	58.0	119	16.2	BD	63	10	09	0151	142	529	2.68	100.0	15	2
93.0	60.0	31	48.8	119	37.8	BD	63	10	09	0436	138	527	2.62	100.0	44	7
93.0	65.0	31	40.0	119	54.3	BD	63	10	09	0706	140	519	2.69	100.0	6	3
93.0	70.0	31	30.5	120	12.5	BD	63	10	09	0941	140	524	2.68	25.0	0	0
93.0	80.0	31	09.0	120	53.2	BD	63	10	09	1456	138	552	2.50	100.0	24	25
93.0	90.0	30	50.5	121	34.8	BD	63	10	10	1946	138	554	2.49	100.0	42	62
97.0	28.7	32	19.3	117	03.8	BD	63	10	11	0905	8	523	0.15	100.0	87	704
97.0	29.0	32	17.5	117	04.7	BD	63	10	11	0824	31	483	0.65	100.0	217	252
97.0	30.0	32	15.2	117	08.7	BD	63	10	11	0724	30	434	0.69	100.0	6	22
97.0	32.0	32	11.5	117	16.5	BD	63	10	11	0606	140	517	2.71	100.0	82	143
97.0	35.0	32	05.3	117	28.0	BD	63	10	11	0426	141	502	2.81	100.0	95	235
97.0	40.0	31	57.0	117	50.0	BD	63	10	11	0131	141	524	2.69	100.0	29	1
97.0	45.0	31	46.0	118	08.5	BD	63	10	10	2246	138	529	2.61	100.0	29	6
97.0	50.0	31	35.5	118	29.5	BD	63	10	10	2001	143	502	2.85	100.0	48	2
97.0	55.0	31	27.0	118	50.2	BD	63	10	10	1727	142	470	3.11	100.0	3	3
97.0	60.0	31	14.0	119	10.0	BD	63	10	10	1441	143	505	2.84	100.0	28	70
97.0	65.0	31	01.0	119	30.0	BD	63	10	10	1156	140	537	3.03	100.0	21	24
97.0	70.0	30	52.5	119	52.8	BD	63	10	10	0901	142	534	2.66	100.0	14	9
97.0	80.0	30	37.3	120	34.0	BD	63	10	10	0441	135	575	2.35	100.0	190	119
97.0	90.0	30	17.8	121	12.2	BD	63	10	10	0011	143	519	2.75	100.0	295	49
100.0	29.0	31	42.2	116	43.4	BD	63	10	12	2127	106	437	0.24	100.0	21	95
100.0	30.0	31	40.5	116	46.5	BD	63	10	12	2201	143	524	2.74	100.0	25	71
100.0	35.0	31	31.0	117	07.0	BD	63	10	13	0056	134	544	2.47	100.0	32	7
100.0	40.0	31	22.0	117	25.5	BD	63	10	13	0401	142	491	2.88	100.0	50	1
100.0	45.0	31	11.8	117	49.0	BD	63	10	13	0721	140	511	2.75	100.0	2	0
100.0	50.0	31	00.0	118	07.0	BD	63	10	13	0950	142	516	2.74	100.0	7	0
100.0	55.0	30	50.0	118	27.5	BD	63	10	13	1301	144	508	2.83	100.0	15	9
100.0	60.0	30	40.0	118	46.5	BD	63	10	13	1546	140	517	2.71	100.0	18	57
100.0	65.0	30	30.0	119	07.5	BD	63	10	13	1901	138	497	2.77	100.0	27	21
100.0	70.0	30	21.0	119	27.5	BD	63	10	13	2131	140	520	2.69	100.0	14	9
100.0	80.0	30	02.3	120	08.0	BD	63	10	14	0251	137	487	2.82	100.0	41	32
100.0	90.0	29	39.8	120	47.2	BD	63	10	14	0801	139	495	2.81	100.0	22	170
103.0	28.5	31	07.8	116	19.2	BD	63	10	15	2045	14	472	0.30	100.0	69	1925
103.0	29.0	31	07.0	116	21.0	BD	63	10	15	1959	20	512	0.38	100.0	167	367
103.0	30.0	31	05.5	116	25.0	BD	63	10	15	1918	38	232	1.64	100.0	90	71
103.0	35.0	30	56.0	116	45.0	BD	63	10	15	1641	139	502	2.78	100.0	23	2
103.0	40.0	30	46.0	117	04.7	BD	63	10	15	1417	141	479	2.95	100.0	6	1
103.0	45.0	30	38.0	117	22.5	BD	63	10	15	1156	143	492	2.91	100.0	8	0

TABLE 1. (cont.)

CalCOFI Cruise 6310

Line	Station	Lat.(N) deg.	Lat.(N) min.	Long.(W) deg.	Long.(W) min.	Ship Code	Tow Date yr.	Tow Date mo.	Tow Date day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
103.0	50.0	30	28.0	117	46.0	BD	63	10	15	0921	142	500	2.84	100.0	22	2
103.0	55.0	30	19.5	118	06.0	BD	63	10	15	0641	139	503	2.76	100.0	43	5
103.0	60.0	30	11.5	118	27.5	BD	63	10	15	0351	138	511	2.71	100.0	67	22
103.0	65.0	30	01.0	118	46.2	BD	63	10	15	0111	140	513	2.73	100.0	219	90
103.0	70.0	29	50.0	119	06.8	BD	63	10	14	2241	140	521	2.68	100.0	537	82
103.0	80.0	29	31.0	119	41.8	BD	63	10	14	1811	139	512	2.72	100.0	130	51
103.0	90.0	29	05.3	120	27.0	BD	63	10	14	1241	142	518	2.73	100.0	51	96
107.0	30.0	30	30.0	116	03.3	BD	63	10	16	0129	14	379	0.36	100.0	75	1764
107.0	31.0	30	27.8	116	07.0	BD	63	10	16	0228	34	429	0.80	100.0	49	662
107.0	32.0	30	26.0	116	11.0	BD	63	10	16	0316	137	480	2.86	100.0	54	148
107.0	35.0	30	20.2	116	23.0	BD	63	10	16	0501	140	478	2.93	100.0	91	9
107.0	40.0	30	10.2	116	44.9	BD	63	10	16	0736	139	496	2.93	100.0	31	4
107.0	45.0	30	00.6	117	07.6	BD	63	10	16	1001	1477	507	2.81	100.0	22	2
107.0	50.0	29	49.9	117	22.9	BD	63	10	16	1221	139	507	2.74	100.0	14	1
107.0	55.0	29	42.0	117	41.8	BD	63	10	16	1447	138	487	2.83	100.0	13	2
107.0	60.0	29	32.0	118	01.5	BD	63	10	16	1711	138	502	2.74	100.0	31	26
107.0	65.0	29	21.5	118	21.0	BD	63	10	16	1921	138	514	2.69	100.0	368	54
107.0	70.0	29	13.5	118	41.0	BD	63	10	16	2146	142	503	2.82	100.0	234	25
107.0	80.0	28	55.0	119	17.5	BD	63	10	17	0221	140	532	2.63	100.0	243	97
107.0	90.0	28	32.2	119	58.2	BD	63	10	17	0721	140	503	2.78	100.0	129	112
110.0	32.0	29	51.8	115	47.8	BD	63	10	18	2155	11	80	1.36	100.0	35	19
110.0	35.0	29	48.3	116	00.0	BD	63	10	18	1846	140	514	2.72	100.0	65	4
110.0	40.0	29	36.5	116	19.5	BD	63	10	18	1526	139	504	2.76	100.0	10	5
110.0	45.0	29	27.5	116	37.2	BD	63	10	18	1301	140	510	2.75	100.0	19	80
110.0	50.0	29	16.5	116	59.0	BD	63	10	18	1016	142	514	2.77	100.0	16	25
110.0	55.0	29	03.2	117	17.7	BD	63	10	18	0726	141	492	2.87	100.0	17	43
110.0	60.0	28	55.0	117	37.5	BD	63	10	18	0421	139	509	2.74	100.0	77	22
110.0	65.0	28	46.5	117	57.8	BD	63	10	18	0141	139	506	2.75	100.0	154	77
110.0	70.0	28	36.5	118	18.0	BD	63	10	17	2247	133	478	2.78	100.0	108	118
110.0	80.0	28	19.5	118	55.7	BD	63	10	17	1726	139	500	2.78	100.0	26	25
110.0	90.0	27	56.5	119	35.0	BD	63	10	17	1156	141	516	2.74	100.0	19	228
113.0	28.5	29	25.0	115	11.3	BD	63	10	19	0234	13	428	0.31	100.0	18	256
113.0	29.0	29	24.2	115	13.2	BD	63	10	19	0309	20	493	0.40	100.0	38	439
113.0	30.0	29	22.0	115	18.0	BD	63	10	19	0358	49	598	0.82	100.0	41	167
113.0	35.0	29	10.5	115	38.2	BD	63	10	19	0631	138	204	2.74	100.0	36	20
113.0	40.0	28	59.3	115	58.8	BD	63	10	19	0856	140	502	2.79	100.0	43	30
113.0	45.0	28	52.4	116	17.1	BD	63	10	19	1106	139	463	3.01	100.0	23	20
113.0	50.0	28	41.5	116	36.5	BD	63	10	19	1341	136	516	2.64	100.0	39	58
113.0	55.0	28	32.0	116	56.0	BD	63	10	19	1621	137	509	2.68	100.0	26	23
113.0	60.0	28	22.0	117	15.7	BD	63	10	19	1851	137	514	2.67	100.0	107	82
113.0	65.0	28	12.5	117	35.5	BD	63	10	19	2121	138	519	2.66	100.0	200	69
113.0	70.0	28	02.5	117	54.0	BD	63	10	19	2351	138	509	2.72	100.0	114	48
113.0	80.0	27	43.0	118	30.0	BD	63	10	20	0426	138	520	2.66	100.0	176	62
117.0	24.8	28	58.5	114	36.3	BD	63	10	22	1654	14	440	0.32	100.0	30	181
117.0	25.0	28	58.0	114	37.0	BD	63	10	21	1629	36	402	0.88	100.0	46	271

TABLE 1. (cont.)

CalCOFI Cruise 6310

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
117.0	26.0	28	56.0	114	41.5	BD	63	10	21	1544	36	141	2.56	100.0	11	46
117.0	30.0	28	48.0	114	56.5	BD	63	10	21	1353	72	251	2.87	100.0	9	99
117.0	35.0	28	38.0	115	16.0	BD	63	10	21	1106	142	487	2.92	100.0	73	8
117.0	40.0	28	28.0	115	35.5	BD	63	10	21	0621	138	487	2.83	100.0	26	3
117.0	45.0	28	22.0	115	57.6	BD	63	10	21	0331	134	515	2.60	100.0	71	10
117.0	50.0	28	10.0	116	15.5	BD	63	10	21	0026	143	479	2.98	100.0	70	16
117.0	55.0	27	58.0	116	34.5	BD	63	10	20	2151	141	491	2.87	100.0	76	14
117.0	60.0	27	47.5	116	53.5	BD	63	10	20	1906	135	501	2.69	100.0	72	2
117.0	65.0	27	38.0	117	13.0	BD	63	10	20	1626	138	487	2.83	100.0	22	2
117.0	70.0	27	27.5	117	32.0	BD	63	10	20	1346	137	488	2.81	100.0	46	16
117.0	80.0	27	08.0	118	10.5	BD	63	10	20	0851	141	517	2.72	100.0	36	26
118.0	39.0	28	18.5	115	23.7	BD	63	10	21	0821	142	494	2.87	100.0	23	0
119.0	33.0	28	19.0	114	53.0	BD	63	10	29	1443	70	273	2.56	100.0	80	139
120.0	22.8	28	28.0	114	04.0	BD	63	10	21	2134	13	450	0.28	100.0	196	642
120.0	24.0	28	25.0	114	10.7	BD	63	10	21	2314	22	474	0.46	100.0	61	507
120.0	25.0	28	22.5	114	15.0	BD	63	10	22	0004	32	159	1.98	100.0	322	330
120.0	30.0	28	13.0	114	34.0	BD	63	10	22	0223	83	340	2.43	100.0	158	243
120.0	35.0	28	03.0	114	54.0	BD	63	10	22	0503	67	281	2.39	100.0	285	137
120.0	40.0	27	56.5	115	14.0	BD	63	10	22	0709	33	150	2.17	100.0	199	77
120.0	45.0	27	43.0	115	33.5	BD	63	10	22	0931	141	496	2.85	100.0	42	42
120.0	50.0	27	33.7	115	51.5	BD	63	10	22	1241	135	517	2.62	100.0	10	5
120.0	55.0	27	23.0	116	12.0	BD	63	10	22	1536	140	522	3.68	100.0	18	6
120.0	60.0	27	13.0	116	30.5	BD	63	10	22	1756	138	522	2.63	100.0	40	18
120.0	65.0	27	03.0	116	50.5	BD	63	10	22	2111	140	534	2.62	100.0	29	0
120.0	70.0	26	53.0	117	10.0	BD	63	10	22	2341	140	528	2.66	100.0	52	8
123.0	35.6	27	24.2	114	31.8	BD	63	10	24	0020	12	515	0.23	100.0	323	385
123.0	36.0	27	26.2	114	36.0	BD	63	10	23	2324	34	489	0.69	100.0	274	437
123.0	37.0	27	24.0	114	40.0	BD	63	10	23	2229	49	204	2.40	100.0	236	80
123.0	42.0	27	12.5	114	58.5	BD	63	10	23	1941	140	500	2.80	100.0	25	46
123.0	45.0	27	09.1	115	11.2	BD	63	10	23	1801	136	526	2.58	100.0	31	12
123.0	50.0	26	58.0	115	30.5	BD	63	10	23	1526	139	526	2.63	100.0	17	8
123.0	55.0	26	48.5	115	49.5	BD	63	10	23	1251	141	508	2.77	100.0	8	5
123.0	60.0	26	40.0	116	06.5	BD	63	10	23	1046	139	511	2.73	100.0	8	12
123.0	65.0	26	28.0	116	30.2	BD	63	10	23	0746	140	499	2.80	100.0	14	22
123.0	70.0	26	18.5	116	48.7	BD	63	10	23	0511	138	509	2.71	100.0	18	10
127.0	32.6	26	58.3	114	00.6	BD	63	10	24	0523	14	502	0.28	100.0	22	613
127.0	33.0	26	57.5	114	02.2	BD	63	10	24	0603	62	470	1.33	100.0	173	1359
127.0	34.0	26	55.0	114	06.5	BD	63	10	24	0642	76	280	2.70	100.0	113	533
127.0	40.0	26	43.5	114	29.0	BD	63	10	24	0931	138	520	2.66	100.0	25	116
127.0	45.0	26	32.8	114	49.3	BD	63	10	24	1231	142	503	2.82	100.0	14	32
127.0	50.0	26	22.2	115	07.0	BD	63	10	24	1506	141	500	2.82	100.0	18	18
127.0	55.0	26	12.2	115	26.0	BD	63	10	24	1726	140	496	2.82	100.0	37	9
127.0	60.0	26	03.5	115	46.5	BD	63	10	24	1946	138	528	2.61	100.0	99	54
127.0	65.0	25	53.8	116	05.2	BD	63	10	24	2216	142	502	2.83	100.0	27	44
127.0	70.0	25	44.0	116	24.5	BD	63	10	25	0041	141	473	2.99	100.0	55	13

TABLE 1. (cont.)

CalCOFI Cruise 6310

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
130.0	25.5	26 38.0	113 11.1	BD	63 10 26	0804	14	496	0.29	100.0	86	324
130.0	26.0	26 37.0	113 13.1	BD	63 10 26	0719	28	472	0.60	100.0	111	473
130.0	28.0	26 33.0	113 21.0	BD	63 10 26	0604	49	459	1.06	100.0	111	363
130.0	30.0	26 29.0	113 29.0	BD	63 10 26	0433	69	277	2.48	100.0	40	301
130.0	35.0	26 19.0	113 48.0	BD	63 10 26	0206	141	480	2.94	100.0	84	3
130.0	40.0	26 09.0	114 07.0	BD	63 10 25	2306	143	521	2.74	100.0	38	16
130.0	45.0	25 58.5	114 26.5	BD	63 10 25	2016	143	521	2.81	100.0	43	40
130.0	50.0	25 49.0	114 46.5	BD	63 10 25	1701	141	501	2.71	100.0	23	18
130.0	55.0	25 40.0	115 06.3	BD	63 10 25	1411	141	492	2.87	100.0	5	9
130.0	60.0	25 28.2	115 26.0	BD	63 10 25	1046	141	496	2.84	100.0	26	10
130.0	65.0	25 20.5	115 44.5	BD	63 10 25	0821	143	502	2.84	100.0	13	48
130.0	70.0	25 09.0	116 05.5	BD	63 10 25	0451	136	522	2.60	100.0	30	15
133.0	20.5	26 13.6	112 25.8	BD	63 10 26	1340	28	447	0.30	100.0	22	540
133.0	21.0	26 12.6	112 32.3	BD	63 10 26	1434	56	395	0.64	100.0	179	229
133.0	23.0	26 08.5	112 40.2	BD	63 10 26	1548	139	513	1.41	100.0	137	365
133.0	25.0	26 04.5	112 48.0	BD	63 10 26	1704	52	203	2.58	100.0	64	171
133.0	30.0	25 54.5	113 07.5	BD	63 10 26	1926	139	498	2.80	100.0	153	22
133.0	35.0	25 44.5	113 26.5	BD	63 10 26	2156	140	500	2.79	100.0	37	225
133.0	40.0	25 34.5	113 45.5	BD	63 10 27	0021	139	512	2.71	100.0	70	38
133.0	45.0	25 23.2	114 06.7	BD	63 10 27	0251	137	509	2.70	100.0	30	21
133.0	50.0	25 11.7	114 25.8	BD	63 10 27	0516	138	496	2.79	100.0	4	2
133.0	55.0	25 00.0	114 45.2	BD	63 10 27	0741	139	483	2.87	100.0	12	8
133.0	60.0	24 50.0	115 02.0	BD	63 10 27	0956	139	498	2.79	100.0	23	16
137.0	20.0	25 40.1	112 07.2	BD	63 10 28	1325	7	515	0.14	100.0	70	65
137.0	21.0	25 38.1	112 11.0	BD	63 10 28	1240	14	469	0.29	100.0	269	252
137.0	22.0	25 36.1	112 14.8	BD	63 10 28	1148	51	476	1.07	100.0	312	341
137.0	23.0	25 33.8	112 19.0	BD	63 10 28	1043	68	285	2.39	100.0	169	286
137.0	30.0	25 19.8	112 45.8	BD	63 10 28	0656	140	507	2.77	100.0	5	2
137.0	35.0	25 10.0	113 04.7	BD	63 10 28	0426	141	515	2.73	100.0	22	72
137.0	40.0	25 00.0	113 23.5	BD	63 10 28	0131	141	515	2.73	100.0	57	9
137.0	45.0	24 49.8	113 42.5	BD	63 10 27	2256	142	528	2.69	100.0	106	33
137.0	50.0	24 40.0	114 02.0	BD	63 10 27	1951	139	530	2.63	100.0	92	47
137.0	55.0	24 30.0	114 20.5	BD	63 10 27	1716	139	513	2.71	100.0	60	33
137.0	60.0	24 20.3	114 39.2	BD	63 10 27	1406	140	519	2.70	100.0	6	15

TABLE 2. Pooled occurrences of fish larvae taken during CalCOFI cruises in 1963.

Rank	Taxon	Occurrences
1	*Engraulis mordax*	567
2	*Triphoturus mexicanus*	451
3	*Vinciguerria lucetia*	383
4	*Sebastes* spp.	289
5	*Citharichthys* spp.	278
6	Disintegrated fish larva	274
7	Unidentified fish larva	256
8	*Cyclothone* spp.	241
9	*Leuroglossus stilbius*	236
10	*Merluccius productus*	229
11	*Protomyctophum crockeri*	225
12	*Trachurus symmetricus*	199
12	*Lampanyctus* spp.	199
14	*Stenobrachius leucopsarus*	186
15	Myctophidae	179
16	*Diogenichthys laternatus*	161
17	*Bathylagus wesethi*	160
18	*Melamphaes* spp.	134
19	*Ceratoscopelus townsendi*	128
20	*Lampanyctus ritteri*	120
21	*Tarletonbeania crenularis*	111
22	*Sardinops sagax*	99
23	*Tetragonurus cuvieri*	98
23	*Bathylagus ochotensis*	98
23	*Stomias atriventer*	98
26	*Diogenichthys atlanticus*	92
27	*Diogenichthys* spp.	88
28	Gobiidae	87
29	Sciaenidae	85
30	*Symbolophorus californiensis*	78
31	*Symphurus* spp.	73
32	Serranidae	68
32	*Hypsoblennius* spp.	68
34	*Citharichthys stigmaeus*	64
35	*Ophidion scrippsae*	61
36	*Lestidiops ringens*	58
37	*Paralichthys californicus*	57
37	*Scomber japonicus*	57
39	*Pleuronichthys verticalis*	56
40	*Bathylagus* spp.	54
41	*Icichthys lockingtoni*	52
42	*Lampadena urophaos*	50
42	*Notoscopelus resplendens*	50
42	Scopelarchidae	50
45	*Diaphus* spp.	46
46	Sternoptychidae	45
47	*Hippoglossina stomata*	44
48	*Chromis punctipinnis*	42

TABLE 2. (cont.)

Rank	Taxon	Occurrences
49	*Synodus* spp.	41
49	*Parophrys vetulus*	41
49	*Hygophum atratum*	41
52	*Prionotus* spp.	40
52	*Halichoeres* spp.	40
54	Chiasmodontidae	39
55	*Etrumeus acuminatus*	36
56	Ophidiiformes	35
57	*Oxyjulis californica*	34
58	*Lyopsetta exilis*	33
58	*Argentina sialis*	33
58	Pleuronectiformes	33
58	Cottidae	33
62	*Myctophum nitidulum*	31
62	Clinidae	31
62	*Chauliodus macouni*	31
65	*Nansenia crassa*	30
66	*Gonichthys tenuiculus*	29
66	*Hygophum* spp.	29
68	*Poromitra* spp.	28
69	*Hygophum reinhardtii*	27
69	Trichiuridae	27
71	*Idiacanthus antrostomus*	26
72	*Notolychnus valdiviae*	22
72	*Sphyraena argentea*	22
74	*Semicossyphus pulcher*	21
75	Carangidae	20
75	Trachipteridae	20
75	Anguilliformes	20
78	*Peprilus simillimus*	19
79	Ceratioidei	17
79	*Scorpaena* spp.	17
79	*Sebastolobus* spp.	17
79	*Brama* spp.	17
83	Agonidae	16
84	Gerreidae	15
84	*Xystreurys liolepis*	15
84	*Seriola lalandi*	15
84	*Chilara taylori*	15
88	Blennioidei	14
89	Haemulidae	13
89	*Medialuna californiensis*	13
89	*Cololabis saira*	13
92	Gonostomatidae	12
92	Cyclopteridae	12
92	*Zaniolepis* spp.	12
95	*Girella nigricans*	11
95	*Ichthyococcus* spp.	11
95	*Pleuronichthys ritteri*	11

TABLE 2. (cont.)

Rank	Taxon	Occurrences
95	*Microstoma microstoma*	11
95	*Microstomus pacificus*	11
100	*Scopelogadus bispinosus*	10
100	Pomacentridae	10
100	*Sarda chiliensis*	10
100	*Pleuronichthys* spp.	10
104	*Aristostomias scintillans*	9
104	Labridae	9
104	*Notolepis risso*	9
104	Atherinidae	9
104	*Glyptocephalus zachirus*	9
109	*Scopelosaurus* spp.	8
109	*Bathylagus pacificus*	8
109	*Syngnathus* spp.	8
112	*Oxylebius pictus*	7
112	*Diplophos taenia*	7
112	*Scorpaenichthys marmoratus*	7
115	*Macroramphosus gracilis*	6
115	Macrouridae	6
115	Gempylidae	6
115	*Pleuronichthys coenosus*	6
119	*Loweina rara*	5
119	Paralepididae	5
119	*Nansenia candida*	5
119	Gobiesocidae	5
119	*Psettichthys melanostictus*	5
124	*Bathophilus* spp.	4
124	*Hypsopsetta guttulata*	4
126	*Syacium ovale*	3
126	Scombridae	3
126	*Vinciguerria poweriae*	3
126	Stomiiformes	3
126	*Brosmophycis marginata*	3
131	Osmeridae	2
131	*Caulolatilus princeps*	2
131	Scorpaenidae	2
131	*Coryphaena hippurus*	2
131	*Scopeloberyx robustus*	2
131	*Photonectes* spp.	2
131	*Lampanyctus regalis*	2
131	*Auxis* spp.	2
131	Mullidae	2
131	*Bathylagus milleri*	2
131	*Bothus* spp.	2
142	*Chaetodipterus zonatus*	1
142	*Scomberomorus* spp.	1
142	Evermannellidae	1
142	Sparidae	1
142	Acanthuridae	1

TABLE 2. (cont.)

Rank	Taxon	Occurrences
142	*Icosteus aenigmaticus*	1
142	*Porichthys* spp.	1
142	Exocoetidae	1
142	Nomeidae	1
142	*Woodsia nonsuchae*	1
142	*Physiculus* spp.	1
142	*Hypsypops rubicundus*	1

TABLE 3. Pooled numbers of fish larvae taken during CalCOFI cruises in 1963. Counts are adjusted for percent of sample sorted and standard haul factor (see text).

Rank	Taxon	Count
1	*Engraulis mordax*	304630
2	*Vinciguerria lucetia*	45800
3	*Sebastes* spp.	31593
4	*Merluccius productus*	16976
5	*Triphoturus mexicanus*	14167
6	*Leuroglossus stilbius*	9580
7	*Trachurus symmetricus*	8847
8	*Citharichthys* spp.	7612
9	*Sardinops sagax*	6890
10	*Stenobrachius leucopsarus*	5667
11	Sciaenidae	4562
12	Unidentified fish larva	4173
13	*Diogenichthys laternatus*	4024
14	Serranidae	3570
15	*Cyclothone* spp.	3015
16	Disintegrated fish larva	2549
17	*Scomber japonicus*	2466
18	*Symphurus* spp.	2051
19	*Ceratoscopelus townsendi*	2042
20	Myctophidae	1748
21	*Bathylagus wesethi*	1618
22	*Etrumeus acuminatus*	1584
23	*Lampanyctus* spp.	1572
24	*Prionotus* spp.	1279
25	*Bathylagus ochotensis*	1167
26	*Tarletonbeania crenularis*	1147
27	Haemulidae	1038
28	*Lampanyctus ritteri*	984
29	*Tetragonurus cuvieri*	975
30	*Protomyctophum crockeri*	951
31	*Diogenichthys atlanticus*	948
32	Pleuronectiformes	808
33	*Hypsoblennius* spp.	772
34	*Ophidion scrippsae*	756
35	Carangidae	695
36	*Chromis punctipinnis*	673
37	Ophidiiformes	601
38	*Halichoeres* spp.	595
39	*Melamphaes* spp.	578
40	*Synodus* spp.	564
41	*Diogenichthys* spp.	553
42	*Stomias atriventer*	522
43	Gobiidae	517
44	Gerreidae	513
45	*Hygophum atratum*	454
46	Pomacentridae	430
47	*Symbolophorus californiensis*	397

TABLE 3. (cont.)

Rank	Taxon	Count
48	*Paralichthys californicus*	392
49	*Icichthys lockingtoni*	373
50	*Lampadena urophaos*	368
51	*Notoscopelus resplendens*	366
52	*Pleuronichthys verticalis*	362
52	Scombridae	362
54	*Parophrys vetulus*	345
55	*Citharichthys stigmaeus*	339
56	*Bathylagus* spp.	300
57	*Hippoglossina stomata*	299
57	*Cololabis saira*	299
59	*Diaphus* spp.	290
60	*Lyopsetta exilis*	277
61	*Sphyraena argentea*	254
62	*Scorpaena* spp.	253
63	Cottidae	247
64	*Hygophum* spp.	216
64	*Lestidiops ringens*	216
66	Sternoptychidae	205
67	*Seriola lalandi*	197
68	*Oxyjulis californica*	193
68	Scopelarchidae	193
70	*Argentina sialis*	167
71	Chiasmodontidae	162
72	*Notolychnus valdiviae*	148
73	*Sarda chiliensis*	138
74	*Hygophum reinhardtii*	134
75	*Gonichthys tenuiculus*	130
76	*Xystreurys liolepis*	128
77	*Chauliodus macouni*	119
78	*Nansenia crassa*	117
79	Clinidae	115
80	Trichiuridae	107
81	*Myctophum nitidulum*	104
82	*Poromitra* spp.	103
83	*Idiacanthus antrostomus*	101
84	*Peprilus simillimus*	93
85	*Glyptocephalus zachirus*	90
85	Anguilliformes	90
87	*Sebastolobus* spp.	88
88	Blennioidei	85
89	*Microstomus pacificus*	71
90	*Semicossyphus pulcher*	70
91	Ceratioidei	66
92	Gonostomatidae	60
93	Trachipteridae	58
94	*Chilara taylori*	56
95	*Pleuronichthys ritteri*	52
96	*Medialuna californiensis*	49

TABLE 3. (cont.)

Rank	Taxon	Count
96	*Brama* spp.	49
98	*Bathylagus pacificus*	42
99	Agonidae	40
100	*Notolepis risso*	39
101	*Microstoma microstoma*	38
102	Cyclopteridae	35
103	*Scorpaenichthys marmoratus*	34
104	*Ichthyococcus* spp.	32
105	Labridae	30
105	*Aristostomias scintillans*	30
105	Gempylidae	30
105	*Macroramphosus gracilis*	30
109	Atherinidae	29
109	*Scopelosaurus* spp.	29
109	*Scopelogadus bispinosus*	29
112	*Pleuronichthys* spp.	28
112	*Zaniolepis* spp.	28
114	*Diplophos taenia*	24
115	*Girella nigricans*	23
116	*Nansenia candida*	21
116	*Auxis* spp.	21
118	*Pleuronichthys coenosus*	20
119	*Oxylebius pictus*	19
119	Gobiesocidae	19
121	Paralepididae	18
121	Macrouridae	18
123	*Photonectes* spp.	17
124	*Psettichthys melanostictus*	14
124	*Scopeloberyx robustus*	14
124	*Loweina rara*	14
124	*Vinciguerria poweriae*	14
128	*Bathylagus milleri*	12
129	*Syngnathus* spp.	11
130	Mullidae	10
130	*Bathophilus* spp.	10
130	*Hypsopsetta guttulata*	10
133	*Brosmophycis marginata*	9
134	Stomiiformes	8
135	*Syacium ovale*	7
136	*Lampanyctus regalis*	6
136	Exocoetidae	6
136	*Chaetodipterus zonatus*	6
136	*Bothus* spp.	6
136	*Caulolatilus princeps*	6
141	*Coryphaena hippurus*	5
142	Osmeridae	4
143	*Icosteus aenigmaticus*	3
143	Evermannellidae	3
143	Acanthuridae	3

TABLE 3. (cont.)

Rank	Taxon	Count
143	Sparidae	3
143	Nomeidae	3
143	***Physiculus*** spp.	3
143	***Woodsia nonsuchae***	3
143	***Hypsypops rubicundus***	3
151	Scorpaenidae	2
151	***Scomberomorus*** spp.	2
151	***Porichthys*** spp.	2
	Total	514674

TABLE 4. Numbers of fish larvae taken on stations occupied during CalCOFI cruises in 1963. 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		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	0.0	–	–	0.0	–	–	0.0	–	–	1.4	–	–
83.0	90.0	3.5	–	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0	28.7	–	–	–	–	–	–	0.0	–	–	0.6	–	–
103.0	45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
107.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
123.0	35.6	–	–	–	–	–	–	–	–	–	1.1	–	–
127.0	65.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0	23.0	–	–	–	0.0	–	–	–	0.0	–	7.0	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	0.0	–	7.7	–	–
133.0	30.0	–	0.0	–	0.0	–	–	–	2.9	–	8.4	–	–
133.0	35.0	–	0.0	–	0.0	–	–	–	0.0	–	8.4	–	–
133.0	55.0	–	0.0	–	0.0	–	–	–	0.0	–	2.9	–	–
133.0	80.0	–	0.0	–	–	0.0	–	–	2.8	–	–	–	–
137.0	20.0	–	–	–	–	0.0	–	–	–	–	0.1	–	–
137.0	21.0	–	–	–	–	0.0	–	–	–	–	1.2	–	–
137.0	22.0	–	–	–	–	0.0	–	–	–	–	2.1	–	–
137.0	23.0	–	0.0	–	–	0.0	–	–	–	–	16.7	–	–
137.0	40.0	–	0.0	–	–	0.0	–	–	–	–	10.9	–	–
140.0	50.0	–	3.3	–	–	0.0	–	–	–	–	–	–	–

Etrumeus acuminatus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	27.5	–	–	–	–	0.0	–	0.0	–	–	0.3	–	–
107.0	30.0	–	–	–	0.0	–	–	0.0	–	–	0.7	–	–
107.0	31.0	–	–	–	0.0	–	–	0.0	–	–	0.8	–	–
113.0	28.5	–	–	–	0.0	–	–	–	–	–	2.8	–	–
113.0	29.0	–	–	–	0.0	–	–	0.0	–	–	1.6	–	–
117.0	25.0	–	–	–	0.0	–	–	0.0	–	–	5.3	–	–
119.0	33.0	–	0.0	–	–	0.0	–	0.0	–	–	7.7	–	–
120.0	24.0	–	–	–	0.0	–	–	8.2	–	–	0.5	–	–
120.0	25.0	–	0.0	–	0.0	–	–	0.0	–	–	21.8	–	–
120.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	4.9	–	–
120.0	35.0	–	0.0	–	–	0.0	–	0.0	–	–	23.9	–	–
120.0	40.0	–	0.0	–	–	0.0	–	0.0	–	–	82.5	–	–
123.0	35.6	–	–	–	–	–	–	–	–	–	8.5	–	–
123.0	36.0	–	–	–	0.0	–	–	–	0.0	–	6.9	–	–
123.0	37.0	–	0.0	–	0.0	–	–	–	0.0	–	12.0	–	–
127.0	33.0	–	–	–	0.0	–	–	–	0.0	–	41.2	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	70.2	–	–
127.0	40.0	–	0.0	–	0.0	0.0	–	–	0.0	–	5.3	–	–
130.0	25.5	–	–	–	–	0.0	–	–	0.0	–	2.9	–	–

TABLE 4. (cont.)

Etrumeus acuminatus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	26.0	–	–	–	–	0.0	–	–	0.0	–	7.2	–	–
130.0	28.0	–	–	–	–	0.0	–	–	0.0	–	61.5	–	–
130.0	30.0	–	0.0	–	–	0.0	–	–	110.0	–	2.5	–	–
130.0	35.0	–	0.0	–	–	0.0	–	–	0.0	–	11.8	–	–
130.0	40.0	–	0.0	–	–	0.0	–	–	0.0	–	2.7	–	–
133.0	20.5	–	–	–	–	–	–	–	0.0	–	0.9	–	–
133.0	21.0	–	–	–	0.0	–	–	–	290.7	–	14.7	–	–
133.0	23.0	–	–	–	0.0	–	–	–	24.6	–	11.3	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	694.4	–	2.6	–	–
133.0	30.0	–	0.0	–	0.0	–	–	–	5.9	–	0.0	–	–
137.0	22.0	–	–	–	–	0.0	–	–	–	–	13.9	–	–
137.0	23.0	–	0.0	–	–	0.0	–	–	–	–	21.5	–	–

Sardinops sagax

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	49.2	–	–	–	1.0	–	–	–	–	–	–	–	–
70.0	51.0	–	–	–	2.8	–	–	–	–	–	–	–	–
70.0	53.0	0.0	–	–	8.4	–	–	–	–	–	–	–	–
80.0	70.0	0.0	–	–	0.0	–	–	5.3	–	–	0.0	–	–
82.0	47.0	0.0	–	–	0.0	–	–	0.0	–	–	2.4	–	–
83.0	39.0	–	–	–	0.0	–	–	1.1	–	–	0.0	–	–
83.0	40.0	0.0	–	–	0.0	–	–	2.3	–	–	0.0	–	–
83.0	51.0	0.0	–	–	0.0	–	–	0.0	–	–	14.5	–	–
87.0	32.5	–	–	–	0.0	–	–	2.2	–	–	0.6	–	–
87.0	33.0	–	–	–	0.0	–	–	53.4	–	–	0.0	–	–
87.0	34.0	–	–	–	0.0	–	–	8.3	–	–	2.0	–	–
87.0	35.0	–	143.4	–	0.0	–	–	0.0	–	–	0.0	–	–
90.0	27.5	–	–	–	–	0.0	–	0.0	–	–	13.8	–	–
90.0	28.0	–	0.0	–	–	0.0	–	0.0	–	–	20.2	–	–
90.0	32.0	–	0.0	–	–	0.0	–	2.6	–	–	3.0	–	–
90.0	60.0	–	0.0	–	–	3.1	–	0.0	–	–	0.0	–	–
93.0	26.5	–	–	–	0.0	–	–	2.4	–	–	0.7	–	–
93.0	27.0	–	–	–	0.0	–	–	0.0	–	–	1.3	–	–
93.0	55.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
97.0	28.7	–	–	–	–	–	–	0.0	–	–	0.2	–	–
97.0	29.0	–	–	–	4.7	–	–	0.0	–	–	3.3	–	–
97.0	30.0	–	14.0	–	2.3	–	–	0.0	–	–	0.0	–	–
97.0	32.0	–	29.3	–	0.0	–	–	0.0	–	–	0.0	–	–
100.0	60.0	–	0.0	–	–	8.5	–	0.0	–	–	0.0	–	–
100.0	65.0	–	0.0	–	–	22.8	–	0.0	–	–	0.0	–	–
103.0	28.5	–	–	–	0.0	–	–	–	–	–	2.4	–	–
103.0	28.7	–	–	–	–	–	–	2.3	–	–	–	–	–
103.0	29.0	–	–	–	0.0	–	–	1.6	–	–	5.7	–	–
103.0	30.0	–	0.0	–	0.0	–	–	3.0	–	–	6.6	–	–

TABLE 4. (cont.)

Sardinops sagax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	30.0	–	–	–	0.0	–	–	8.1	–	–	9.0	–	–
107.0	31.0	–	–	–	0.0	–	–	337.9	–	–	8.8	–	–
107.0	32.0	–	2.7	–	0.0	–	–	117.0	–	–	20.0	–	–
107.0	35.0	–	387.4	–	0.0	–	–	49.9	–	–	20.5	–	–
107.0	40.0	–	130.0	–	0.0	–	–	0.0	–	–	11.7	–	–
110.0	32.0	–	0.0	–	–	1.9	–	0.0	–	–	0.0	–	–
110.0	35.0	–	0.0	–	–	0.0	–	4.9	–	–	0.0	–	–
110.0	65.0	–	2.9	–	–	0.0	–	0.0	–	–	0.0	–	–
113.0	28.5	–	–	–	0.0	–	–	–	–	–	1.2	–	–
113.0	29.0	–	–	–	0.0	–	–	1.4	–	–	2.0	–	–
113.0	30.0	–	0.0	–	0.0	–	–	5.2	–	–	0.8	–	–
113.0	40.0	–	12.4	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	24.8	–	–	–	0.0	–	–	94.0	–	–	1.3	–	–
117.0	25.0	–	–	–	0.0	–	–	62.4	–	–	6.2	–	–
117.0	26.0	–	0.0	–	0.0	–	–	20.1	–	–	0.0	–	–
117.0	60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
119.0	33.0	–	0.0	–	–	0.0	–	0.0	–	–	12.8	–	–
120.0	22.3	–	–	–	–	–	–	49.6	–	–	–	–	–
120.0	22.8	–	–	–	–	–	–	–	–	–	9.8	–	–
120.0	23.0	–	–	–	0.0	–	–	22.8	–	–	–	–	–
120.0	24.0	–	–	–	0.0	–	–	19.0	–	–	12.4	–	–
120.0	25.0	–	0.0	–	0.0	–	–	12.8	–	–	196.0	–	–
120.0	30.0	–	0.0	–	0.0	–	–	2.5	–	–	41.3	–	–
120.0	35.0	–	0.0	–	–	0.0	–	0.0	–	–	78.9	–	–
120.0	40.0	–	0.0	–	–	23.9	–	12.7	–	–	47.7	–	–
123.0	35.6	–	–	–	–	–	–	–	–	–	9.2	–	–
123.0	36.0	–	–	–	0.0	–	–	–	0.0	–	42.8	–	–
123.0	37.0	–	0.0	–	0.0	–	–	–	0.0	–	21.6	–	–
127.0	32.6	–	–	–	0.0	–	–	–	–	–	1.1	–	–
127.0	33.0	–	–	–	0.0	–	–	–	0.0	–	13.3	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	16.2	–	–
130.0	25.5	–	–	–	–	0.0	–	–	89.1	–	5.8	–	–
130.0	26.0	–	–	–	–	0.0	–	–	371.8	–	10.2	–	–
130.0	28.0	–	–	–	–	0.0	–	–	327.8	–	3.2	–	–
130.0	30.0	–	0.0	–	–	0.0	–	–	93.6	–	0.0	–	–
133.0	20.5	–	–	–	–	–	–	–	118.5	–	0.0	–	–
133.0	21.0	–	–	–	0.0	–	–	–	1725.4	–	0.0	–	–
133.0	23.0	–	–	–	0.0	–	–	–	1749.9	–	0.0	–	–
137.0	20.0	–	–	–	–	0.7	–	–	–	–	0.0	–	–
137.0	21.0	–	–	–	–	1.3	–	–	–	–	0.0	–	–
137.0	23.0	–	8.7	–	–	2.7	–	–	–	–	0.0	–	–
140.0	30.0	–	8.3	–	–	0.0	–	–	–	–	–	–	–

TABLE 4. (cont.)

Engraulis mordax

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	49.2	–	–	–	1.0	–	–	–	–	–	–	–	–
60.0	55.0	0.0	–	–	5.0	–	–	–	–	–	–	–	–
60.0	60.0	9.0	–	–	4.8	–	–	–	–	–	–	–	–
60.0	70.0	0.0	–	–	5.3	–	–	–	–	–	–	–	–
60.0	90.0	0.0	–	–	18.6	–	–	–	–	–	–	–	–
60.0	100.0	0.0	–	–	6.0	–	–	–	–	–	–	–	–
60.0	200.0	2.7	–	–	0.0	–	–	–	–	–	–	–	–
63.0	49.7	–	–	–	3.5	–	–	–	–	–	–	–	–
63.0	50.0	–	–	–	779.5	–	–	–	–	–	–	–	–
63.0	51.0	–	–	–	8.9	–	–	–	–	–	–	–	–
63.0	52.0	2.3	–	–	16.2	–	–	–	–	–	–	–	–
63.0	55.0	0.0	–	–	112.0	–	–	–	–	–	–	–	–
63.0	60.0	0.0	–	–	13.8	–	–	–	–	–	–	–	–
67.0	47.3	–	–	–	13.8	–	–	–	–	–	–	–	–
67.0	48.0	–	–	–	16.1	–	–	–	–	–	–	–	–
67.0	49.0	–	–	–	51.6	–	–	–	–	–	–	–	–
67.0	50.0	0.0	–	–	266.2	–	–	–	–	–	–	–	–
67.0	55.0	3.0	–	–	57.2	–	–	–	–	–	–	–	–
67.0	60.0	0.0	–	–	106.4	–	–	–	–	–	–	–	–
70.0	50.0	–	–	–	89.1	–	–	–	–	–	–	–	–
70.0	51.0	–	–	–	147.7	–	–	–	–	–	–	–	–
70.0	52.0	–	–	–	932.7	–	–	–	–	–	–	–	–
70.0	53.0	2.4	–	–	1052.8	–	–	–	–	–	–	–	–
70.0	60.0	2.9	–	–	275.0	–	–	–	–	–	–	–	–
70.0	70.0	0.0	–	–	81.6	–	–	–	–	–	–	–	–
73.0	49.4	–	–	–	793.3	–	–	–	–	–	–	–	–
73.0	50.0	–	–	–	3172.5	–	–	–	–	–	–	–	–
73.0	51.0	–	–	–	1141.1	–	–	–	–	–	–	–	–
73.0	53.0	0.0	–	–	198.9	–	–	–	–	–	–	–	–
73.0	60.0	0.0	–	–	681.1	–	–	–	–	–	–	–	–
77.0	47.6	–	–	–	18.7	–	–	–	–	–	–	–	–
77.0	48.0	–	–	–	88.7	–	–	–	–	–	–	–	–
77.0	49.0	–	–	–	50.6	–	–	–	–	–	–	–	–
77.0	50.0	–	–	–	287.5	–	–	–	–	–	–	–	–
77.0	51.0	0.0	–	–	370.1	–	–	–	–	–	–	–	–
77.0	55.0	0.0	–	–	159.8	–	–	–	–	–	–	–	–
77.0	57.0	0.0	–	–	192.5	–	–	–	–	–	–	–	–
80.0	50.0	–	–	–	–	–	–	2.6	–	–	–	–	–
80.0	50.2	–	–	–	47.8	–	–	–	–	–	0.3	–	–
80.0	51.0	–	–	–	2.8	–	–	3.1	–	–	31.7	–	–
80.0	52.0	21.5	–	–	950.0	–	–	25.0	–	–	21.7	–	–
80.0	55.0	5.9	–	–	605.0	–	–	71.1	–	–	18.6	–	–
80.0	60.0	2.8	–	–	225.4	–	–	0.0	–	–	30.9	–	–
80.0	65.0	0.0	–	–	268.1	–	–	10.6	–	–	25.6	–	–
80.0	70.0	0.0	–	–	5762.9	–	–	149.0	–	–	0.0	–	–
80.0	80.0	0.0	–	–	1613.9	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0 90.0	0.0	-	-	697.3	-	-	0.0	-	-	0.0	-	-
80.0 100.0	0.0	-	-	214.3	-	-	-	-	-	-	-	-
80.0 120.0	0.0	-	-	12.0	-	-	-	-	-	-	-	-
82.0 47.0	20.4	-	-	125.0	-	-	44.5	-	-	21.8	-	-
83.0 39.0	-	-	-	8.1	-	-	282.3	-	-	28.4	-	-
83.0 40.0	80.8	-	-	29.1	-	-	162.7	-	-	125.3	-	-
83.0 43.0	128.6	-	-	264.9	-	-	279.9	-	-	244.7	-	-
83.0 51.0	81.6	-	-	110.8	-	-	292.7	-	-	223.3	-	-
83.0 55.0	188.8	-	-	164.3	-	-	120.6	-	-	15.9	-	-
83.0 60.0	24.2	-	-	1960.2	-	-	23.1	-	-	0.0	-	-
83.0 65.0	13.2	-	-	1727.8	-	-	0.0	-	-	0.0	-	-
83.0 70.0	42.6	-	-	3062.0	-	-	7.7	-	-	0.0	-	-
83.0 75.0	6.4	-	-	-	-	-	-	-	-	-	-	-
83.0 80.0	9.4	-	-	1734.7	-	-	0.0	-	-	0.0	-	-
83.0 85.0	13.1	-	-	-	-	-	-	-	-	-	-	-
83.0 90.0	3.5	-	-	270.6	-	-	2.8	-	-	0.0	-	-
83.0 95.0	5.3	-	-	-	-	-	-	-	-	-	-	-
83.0 105.0	-	5.8	-	-	-	-	-	-	-	-	-	-
83.0 115.0	-	2.6	-	-	-	-	-	-	-	-	-	-
87.0 32.5	-	-	-	536.9	-	-	0.0	-	-	7.1	-	-
87.0 33.0	-	-	-	910.1	-	-	42.7	-	-	11.8	-	-
87.0 34.0	-	-	-	1130.0	-	-	5.5	-	-	78.9	-	-
87.0 35.0	-	3771.8	-	405.1	-	-	5.7	-	-	30.1	-	-
87.0 40.0	-	3145.7	-	357.0	-	-	0.0	-	-	2.7	-	-
87.0 45.0	-	2562.0	-	499.5	-	-	16.7	-	-	11.3	-	-
87.0 50.0	-	67.6	-	403.9	-	-	7.4	-	-	48.0	-	-
87.0 55.0	-	37.2	-	380.8	-	-	373.1	-	-	0.0	-	-
87.0 60.0	-	53.3	-	1217.3	-	-	457.6	-	-	55.7	-	-
87.0 65.0	-	844.8	-	3411.2	-	-	0.0	-	-	0.0	-	-
87.0 70.0	-	0.0	-	2737.8	-	-	5.3	-	-	0.0	-	-
87.0 80.0	-	0.0	-	397.5	-	-	0.0	-	-	0.0	-	-
87.0 90.0	-	0.0	-	143.3	-	-	0.0	-	-	0.0	-	-
90.0 27.5	-	-	-	-	1.4	-	0.0	-	-	15.5	-	-
90.0 28.0	-	2006.1	-	-	102.6	-	0.0	-	-	57.8	-	-
90.0 32.0	-	1711.8	-	-	65.5	-	0.0	-	-	84.6	-	-
90.0 37.0	-	1587.6	-	-	436.8	-	0.0	-	-	53.2	-	-
90.0 45.0	-	229.3	-	-	1122.7	-	103.2	-	-	0.0	-	-
90.0 53.0	-	42.1	-	-	1543.2	-	236.2	-	-	0.0	-	-
90.0 60.0	-	128.5	-	-	522.5	-	18.3	-	-	0.0	-	-
90.0 65.0	375.4	-	-	-	1239.4	-	410.1	-	-	0.0	-	-
90.0 70.0	0.0	-	-	-	503.1	-	35.8	-	-	0.0	-	-
90.0 80.0	2.9	-	-	-	18.1	-	0.0	-	-	0.0	-	-
90.0 90.0	0.0	-	-	46.1	-	-	11.8	-	-	2.7	-	-
90.0 180.0	0.0	-	-	5.5	-	-	-	-	-	-	-	-
93.0 26.5	-	-	-	92.3	-	-	0.0	-	-	1.5	-	-
93.0 27.0	-	-	-	309.7	-	-	5.1	-	-	6.4	-	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	28.0	–	1968.5	–	430.9	–	–	0.0	–	–	20.9	–	–
93.0	30.0	–	2285.1	–	202.5	–	–	5.8	–	–	3.2	–	–
93.0	35.0	–	366.9	–	1205.8	–	–	2.9	–	–	15.2	–	–
93.0	40.0	–	603.3	–	361.1	–	–	30.6	–	–	2.6	–	–
93.0	45.0	–	298.3	–	1031.1	–	–	0.0	–	–	0.0	–	–
93.0	50.0	–	448.4	–	2585.4	–	–	0.0	–	–	0.0	–	–
93.0	55.0	–	127.3	–	427.3	–	–	0.0	–	–	0.0	–	–
93.0	60.0	–	20.6	–	1274.6	–	–	0.0	–	–	0.0	–	–
93.0	65.0	–	276.8	–	1129.4	–	–	9.4	–	–	0.0	–	–
93.0	70.0	–	59.7	–	715.7	–	–	3.0	–	–	0.0	–	–
93.0	80.0	–	16.1	–	4982.2	–	–	0.0	–	–	0.0	–	–
93.0	90.0	–	0.0	–	353.8	–	–	–	–	–	0.0	–	–
96.8	28.7	–	–	–	25.1	–	–	–	–	–	–	–	–
97.0	28.7	–	–	–	–	–	–	0.0	–	–	1.8	–	–
97.0	29.0	–	–	–	103.0	–	–	2.4	–	–	56.5	–	–
97.0	30.0	–	982.8	–	2166.3	–	–	0.0	–	–	1.4	–	–
97.0	32.0	–	2744.9	–	95.9	–	–	0.0	–	–	130.1	–	–
97.0	35.0	–	1762.1	–	278.3	–	–	0.0	–	–	196.7	–	–
97.0	40.0	–	963.7	–	1967.2	–	–	0.0	–	–	24.2	–	–
97.0	45.0	–	458.9	–	1954.3	–	–	0.0	–	–	0.0	–	–
97.0	50.0	–	1534.1	–	3232.6	–	–	54.6	–	–	5.7	–	–
97.0	55.0	–	693.4	–	60.5	–	–	0.0	–	–	0.0	–	–
97.0	60.0	–	359.3	–	250.0	–	–	0.0	–	–	0.0	–	–
97.0	65.0	–	6.2	–	459.3	–	–	0.0	–	–	0.0	–	–
97.0	70.0	–	3.5	–	315.6	–	–	0.0	–	–	8.0	–	–
97.0	90.0	–	0.0	–	14.5	–	–	–	–	–	0.0	–	–
100.0	29.0	–	–	–	–	14.2	–	2.5	–	–	1.0	–	–
100.0	30.0	–	2267.0	–	–	151.0	–	0.0	–	–	46.6	–	–
100.0	35.0	–	762.5	–	–	97.7	–	0.0	–	–	2.5	–	–
100.0	40.0	–	1342.0	–	–	0.0	–	0.0	–	–	2.9	–	–
100.0	45.0	–	139.1	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	50.0	–	1818.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	55.0	–	260.6	–	–	86.4	–	0.0	–	–	2.8	–	–
100.0	60.0	–	240.9	–	–	34.0	–	0.0	–	–	0.0	–	–
100.0	65.0	–	32.5	–	–	39.9	–	0.0	–	–	0.0	–	–
100.0	70.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	80.0	–	39.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	90.0	–	0.0	–	–	3.0	–	0.0	–	–	0.0	–	–
103.0	28.5	–	–	–	14.3	–	–	–	–	–	11.7	–	–
103.0	28.7	–	–	–	–	–	–	16.3	–	–	–	–	–
103.0	29.0	–	–	–	76.5	–	–	15.6	–	–	25.1	–	–
103.0	30.0	–	944.2	–	386.1	–	–	24.1	–	–	70.5	–	–
103.0	35.0	–	535.7	–	281.1	–	–	0.0	–	–	5.6	–	–
103.0	40.0	–	322.0	–	9.9	–	–	0.0	–	–	0.0	–	–
103.0	45.0	–	369.2	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0	50.0	–	105.4	–	2.8	–	–	0.0	–	–	2.8	–	–

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	55.0	-	45.6	-	0.0	-	-	0.0	-	-	0.0	-	-
103.0	60.0	-	86.9	-	0.0	-	-	0.0	-	-	0.0	-	-
103.0	90.0	-	0.0	-	0.0	-	-	0.0	-	-	8.2	-	-
107.0	30.0	-	-	-	52.3	-	-	12.2	-	-	9.4	-	-
107.0	31.0	-	-	-	183.4	-	-	5.3	-	-	13.6	-	-
107.0	32.0	-	2560.9	-	224.8	-	-	9.2	-	-	28.6	-	-
107.0	35.0	-	1776.9	-	16.6	-	-	0.0	-	-	49.8	-	-
107.0	40.0	-	3623.8	-	29.5	-	-	0.0	-	-	23.4	-	-
107.0	45.0	-	709.1	-	96.0	-	-	0.0	-	-	16.9	-	-
107.0	50.0	-	600.2	-	0.0	-	-	0.0	-	-	0.0	-	-
107.0	55.0	-	91.8	-	0.0	-	-	0.0	-	-	0.0	-	-
107.0	60.0	-	91.9	-	0.0	-	-	0.0	-	-	0.0	-	-
107.0	65.0	-	25.8	-	0.0	-	-	0.0	-	-	0.0	-	-
107.0	70.0	-	3.1	-	0.0	-	-	0.0	-	-	0.0	-	-
107.0	80.0	-	3.2	-	2.8	-	-	0.0	-	-	0.0	-	-
107.0	90.0	-	0.0	-	0.0	-	-	0.0	-	-	2.8	-	-
110.0	32.0	-	1118.6	-	-	0.0	-	0.0	-	-	2.7	-	-
110.0	35.0	-	854.4	-	-	0.0	-	73.8	-	-	5.4	-	-
110.0	40.0	-	930.2	-	-	2.4	-	0.0	-	-	0.0	-	-
110.0	45.0	-	75.9	-	-	5.5	-	0.0	-	-	0.0	-	-
110.0	50.0	-	730.8	-	-	5.7	-	0.0	-	-	0.0	-	-
110.0	55.0	-	319.7	-	-	0.0	-	6.0	-	-	0.0	-	-
110.0	60.0	-	516.4	-	-	0.0	-	6.0	-	-	0.0	-	-
110.0	65.0	-	151.3	-	-	0.0	-	0.0	-	-	0.0	-	-
110.0	70.0	-	208.1	-	-	0.0	-	0.0	-	-	0.0	-	-
110.0	80.0	-	83.8	-	-	0.0	-	3.2	-	-	0.0	-	-
110.0	90.0	-	8.7	-	-	7.8	-	0.0	-	-	0.0	-	-
110.0	100.0	-	14.2	-	-	0.0	-	-	-	-	-	-	-
113.0	28.5	-	-	-	7.5	-	-	-	-	-	0.0	-	-
113.0	29.0	-	-	-	8.3	-	-	4.1	-	-	1.2	-	-
113.0	30.0	-	6332.2	-	0.0	-	-	7.9	-	-	0.8	-	-
113.0	35.0	-	1288.3	-	39.4	-	-	0.0	-	-	0.0	-	-
113.0	40.0	-	1881.7	-	326.4	-	-	0.0	-	-	0.0	-	-
113.0	45.0	-	949.6	-	26.1	-	-	0.0	-	-	0.0	-	-
113.0	50.0	-	460.2	-	120.4	-	-	0.0	-	-	0.0	-	-
113.0	55.0	-	197.6	-	431.9	-	-	0.0	-	-	0.0	-	-
113.0	60.0	-	4460.2	-	208.0	-	-	5.9	-	-	0.0	-	-
113.0	65.0	-	948.6	-	30.7	-	-	17.8	-	-	0.0	-	-
113.0	70.0	-	605.5	-	14.8	-	-	5.8	-	-	0.0	-	-
113.0	80.0	-	2.9	-	0.0	-	-	0.0	-	-	0.0	-	-
113.0	90.0	-	40.8	-	0.0	-	-	0.0	-	-	-	-	-
115.0	35.0	-	176.9	-	-	5.8	-	-	-	-	-	-	-
117.0	24.8	-	-	-	551.4	-	-	13.2	-	-	0.3	-	-
117.0	25.0	-	-	-	828.8	-	-	31.2	-	-	0.0	-	-
117.0	26.0	-	777.0	-	382.4	-	-	60.2	-	-	0.0	-	-
117.0	30.0	-	587.0	-	329.1	-	-	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	35.0	-	251.1	-	460.5	-	-	8.7	-	-	0.0	-	-
117.0	40.0	-	225.8	-	388.7	-	-	0.0	-	-	0.0	-	-
117.0	45.0	-	248.2	-	55.5	-	-	0.0	-	-	0.0	-	-
117.0	50.0	-	719.0	-	36.3	-	-	0.0	-	-	3.0	-	-
117.0	55.0	-	144.4	-	18.4	-	-	0.0	-	-	0.0	-	-
117.0	60.0	-	1936.0	-	34.0	-	-	0.0	-	-	0.0	-	-
117.0	65.0	-	716.3	-	1194.7	-	-	0.0	-	-	0.0	-	-
117.0	70.0	-	226.8	-	46.6	-	-	6.1	-	-	0.0	-	-
117.0	80.0	-	9.5	-	2.9	-	-	3.1	-	-	0.0	-	-
117.0	90.0	-	32.5	-	0.0	-	-	3.0	-	-	-	-	-
118.0	39.0	-	294.0	-	456.0	-	-	0.0	-	-	0.0	-	-
119.0	33.0	-	17.7	-	-	347.3	-	27.1	-	-	12.8	-	-
120.0	22.3	-	-	-	-	-	-	169.9	-	-	-	-	-
120.0	22.5	-	-	-	14.3	-	-	-	-	-	-	-	-
120.0	22.8	-	-	-	-	-	-	-	-	-	0.6	-	-
120.0	23.0	-	-	-	70.6	-	-	142.8	-	-	-	-	-
120.0	24.0	-	-	-	309.8	-	-	133.3	-	-	2.3	-	-
120.0	25.0	-	739.1	-	476.2	-	-	400.0	-	-	29.7	-	-
120.0	30.0	-	192.3	-	1408.7	-	-	60.0	-	-	53.5	-	-
120.0	35.0	-	113.0	-	-	1339.2	-	91.3	-	-	40.6	-	-
120.0	40.0	-	793.0	-	-	4.8	-	59.4	-	-	30.4	-	-
120.0	45.0	-	82.6	-	-	69.6	-	3.0	-	-	2.8	-	-
120.0	50.0	-	53.3	-	-	79.2	-	23.9	-	-	0.0	-	-
120.0	55.0	-	66.9	-	-	180.9	-	27.4	-	-	0.0	-	-
120.0	60.0	-	108.4	-	-	76.9	-	0.0	-	-	0.0	-	-
120.0	65.0	-	306.3	-	-	78.9	-	0.0	-	-	0.0	-	-
120.0	70.0	-	91.6	-	-	34.8	-	-	3.0	-	0.0	-	-
120.0	80.0	-	17.1	-	-	16.6	-	-	0.0	-	-	-	-
120.0	90.0	-	3.3	-	-	0.0	-	-	-	-	-	-	-
123.0	35.6	-	-	-	-	-	-	-	-	-	2.1	-	-
123.0	36.0	-	-	-	14.5	-	-	-	0.0	-	6.2	-	-
123.0	37.0	-	105.3	-	39.6	-	-	-	0.0	-	2.4	-	-
123.0	42.0	-	50.4	-	3.2	4.3	-	-	0.0	-	0.0	-	-
123.0	45.0	-	3.1	-	67.8	-	-	-	0.0	-	0.0	-	-
123.0	50.0	-	6.3	-	28.2	-	-	-	0.0	-	0.0	-	-
123.0	55.0	-	124.0	-	3.0	-	-	-	0.0	-	0.0	-	-
123.0	60.0	-	566.6	-	2.7	-	-	-	0.0	-	0.0	-	-
123.0	65.0	-	591.5	-	0.0	-	-	-	0.0	-	0.0	-	-
123.0	70.0	-	72.7	-	13.8	-	-	-	0.0	-	0.0	-	-
123.0	80.0	-	3.0	-	5.7	-	-	-	0.0	-	-	-	-
123.5	35.6	-	-	-	2.4	-	-	-	-	-	-	-	-
127.0	32.6	-	-	-	4.0	-	-	-	-	-	0.0	-	-
127.0	33.0	-	-	-	0.0	-	-	-	0.0	-	9.3	-	-
127.0	34.0	-	292.2	-	5.3	-	-	-	0.0	-	16.2	-	-
127.0	40.0	-	12.1	-	8.8	14.0	-	-	4.2	-	0.0	-	-
127.0	45.0	-	0.0	-	307.6	-	-	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	50.0	-	3.0	-	232.4	-	-	-	0.0	-	0.0	-	-
127.0	55.0	-	0.0	-	6.3	-	-	-	0.0	-	0.0	-	-
127.0	60.0	-	0.0	-	9.0	-	-	-	0.0	-	0.0	-	-
127.0	65.0	-	3.0	-	2.9	-	-	-	0.0	-	0.0	-	-
127.0	70.0	-	5.8	-	23.2	-	-	-	0.0	-	0.0	-	-
127.0	80.0	-	6.4	-	11.3	-	-	-	0.0	-	-	-	-
130.0	25.5	-	-	-	-	3.6	-	-	145.0	-	1.2	-	-
130.0	26.0	-	-	-	-	20.5	-	-	226.5	-	3.6	-	-
130.0	28.0	-	-	-	-	97.0	-	-	1792.6	-	9.5	-	-
130.0	30.0	-	89398.5	-	-	111.7	-	-	362.7	-	22.3	-	-
130.0	35.0	-	3.1	-	-	14.8	-	-	0.0	-	2.9	-	-
130.0	40.0	-	171.0	-	-	35.4	-	-	0.0	-	11.0	-	-
130.0	45.0	-	26.6	-	-	0.0	-	-	0.0	-	0.0	-	-
130.0	50.0	-	0.0	-	-	2.7	-	-	0.0	-	0.0	-	-
130.0	55.0	-	0.0	-	-	2.6	-	-	0.0	-	0.0	-	-
130.0	70.0	-	0.0	-	-	5.7	-	-	0.0	-	0.0	-	-
133.0	20.5	-	-	-	-	-	-	-	2712.3	-	0.3	-	-
133.0	21.0	-	-	-	3.4	-	-	-	410.8	-	2.6	-	-
133.0	23.0	-	-	-	7.9	-	-	-	159.6	-	1.4	-	-
133.0	25.0	-	1344.7	-	74.9	-	-	-	195.2	-	7.7	-	-
133.0	30.0	-	1529.5	-	0.0	-	-	-	8.8	-	28.0	-	-
133.0	35.0	-	276.6	-	0.0	-	-	-	14.1	-	2.8	-	-
133.0	40.0	-	68.8	-	0.0	-	-	-	0.0	-	0.0	-	-
133.0	45.0	-	2.8	-	0.0	-	-	-	0.0	-	0.0	-	-
133.0	55.0	-	0.0	-	309.2	-	-	-	0.0	-	5.7	-	-
133.0	60.0	-	0.0	-	55.4	-	-	-	0.0	-	0.0	-	-
133.0	65.0	-	0.0	-	-	26.4	-	-	0.0	-	-	-	-
137.0	20.0	-	-	-	-	30.4	-	-	-	-	0.4	-	-
137.0	21.0	-	-	-	-	195.0	-	-	-	-	0.6	-	-
137.0	22.0	-	-	-	-	202.9	-	-	-	-	1.1	-	-
137.0	23.0	-	13925.8	-	-	688.9	-	-	-	-	0.0	-	-
137.0	30.0	-	427.8	-	-	3.0	-	-	-	-	0.0	-	-
137.0	35.0	-	105.3	-	-	2.9	-	-	-	-	0.0	-	-
137.0	45.0	-	6.4	-	-	0.0	-	-	-	-	0.0	-	-
137.0	50.0	-	7.0	-	-	2.8	-	-	0.0	-	0.0	-	-
137.0	55.0	-	0.0	-	-	2.8	-	-	0.0	-	0.0	-	-
137.0	60.0	-	0.0	-	-	2.7	-	-	0.0	-	0.0	-	-
137.0	70.0	-	6.7	-	-	0.0	-	-	0.0	-	-	-	-
137.0	80.0	-	128.3	-	-	0.0	-	-	0.0	-	-	-	-
140.0	28.8	-	-	-	-	5.0	-	-	-	-	-	-	-
140.0	29.0	-	-	-	-	2.4	-	-	-	-	-	-	-
140.0	30.0	-	8699.5	-	-	23.3	-	-	-	-	-	-	-

TABLE 4. (cont.)

Argentina sialis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
82.0	47.0	2.9	–	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	35.0	–	0.0	–	3.1	–	–	0.0	–	–	0.0	–	–
87.0	40.0	–	0.0	–	3.4	–	–	0.0	–	–	0.0	–	–
93.0	27.0	–	–	–	7.9	–	–	0.0	–	–	0.0	–	–
93.0	28.0	–	3.0	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0	32.0	–	0.0	–	0.0	–	–	0.0	–	–	10.8	–	–
97.0	40.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
100.0	30.0	–	0.0	–	–	9.1	–	0.0	–	–	0.0	–	–
100.0	35.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–
103.0	29.0	–	–	–	1.7	–	–	0.0	–	–	0.0	–	–
107.0	30.0	–	–	–	1.7	–	–	0.0	–	–	0.0	–	–
107.0	31.0	–	–	–	7.9	–	–	0.0	–	–	0.0	–	–
107.0	32.0	–	0.0	–	5.6	–	–	0.0	–	–	0.0	–	–
107.0	35.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
110.0	32.0	–	0.0	–	–	0.0	–	1.6	–	–	0.0	–	–
110.0	35.0	–	0.0	–	–	0.0	–	14.8	–	–	0.0	–	–
113.0	35.0	–	6.0	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	40.0	–	18.6	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	45.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	24.8	–	–	–	1.2	–	–	0.0	–	–	0.0	–	–
117.0	26.0	–	0.0	–	2.4	–	–	0.0	–	–	0.0	–	–
117.0	30.0	–	0.0	–	2.7	–	–	0.0	–	–	0.0	–	–
117.0	35.0	–	2.9	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	45.0	–	2.9	–	0.0	–	–	0.0	–	–	0.0	–	–
118.0	39.0	–	0.0	–	12.2	–	–	0.0	–	–	0.0	–	–
120.0	50.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–
123.0	37.0	–	0.0	–	3.6	–	–	–	0.0	–	0.0	–	–
123.0	45.0	–	0.0	–	2.7	–	–	–	0.0	–	0.0	–	–
123.0	70.0	–	0.0	–	2.8	–	–	–	0.0	–	0.0	–	–
127.0	40.0	–	12.1	–	0.0	0.0	–	–	0.0	–	0.0	–	–
127.0	50.0	–	0.0	–	3.0	–	–	–	0.0	–	0.0	–	–
130.0	35.0	–	0.0	–	–	0.0	–	–	3.3	–	0.0	–	–
133.0	30.0	–	3.2	–	0.0	–	–	–	0.0	–	0.0	–	–

Microstoma microstoma

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	60.0	0.0	–	–	0.0	–	–	5.8	–	–	0.0	–	–
83.0	60.0	0.0	–	–	6.5	–	–	0.0	–	–	0.0	–	–
83.0	70.0	0.0	–	–	0.0	–	–	2.6	–	–	0.0	–	–
83.0	90.0	3.5	–	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	70.0	–	0.0	–	0.0	–	–	2.7	–	–	0.0	–	–
87.0	90.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
90.0	180.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
93.0	90.0	–	3.2	–	0.0	–	–	–	–	–	0.0	–	–

TABLE 4. (cont.)

Microstoma microstoma (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0 50.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
100.0 55.0	–	0.0	–	–	2.5	–	0.0	–	–	0.0	–	–
100.0 65.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–

Nansenia candida

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 90.0	0.0	–	–	2.3	–	–	–	–	–	–	–	–
60.0 100.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
63.0 55.0	0.0	–	–	5.6	–	–	–	–	–	–	–	–
67.0 55.0	0.0	–	–	7.8	–	–	–	–	–	–	–	–
70.0 100.0	0.0	–	–	2.5	–	–	–	–	–	–	–	–

Nansenia crassa

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0 80.0	–	3.0	–	0.0	–	–	0.0	–	–	5.4	–	–
110.0 80.0	–	2.9	–	–	0.0	–	0.0	–	–	0.0	–	–
113.0 35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0 45.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
113.0 60.0	–	6.3	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0 50.0	–	6.7	–	0.0	–	–	0.0	–	–	0.0	–	–
120.0 50.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0 70.0	–	3.2	–	–	0.0	–	–	0.0	–	2.7	–	–
120.0 80.0	–	3.4	–	–	0.0	–	–	0.0	–	–	–	–
123.0 42.0	–	0.0	–	0.0	6.5	–	–	0.0	–	0.0	–	–
123.0 50.0	–	6.3	–	0.0	–	–	–	0.0	–	0.0	–	–
123.0 55.0	–	0.0	–	0.0	–	–	–	3.0	–	2.8	–	–
127.0 40.0	–	3.0	–	0.0	0.0	–	–	4.2	–	0.0	–	–
127.0 45.0	–	0.0	–	2.9	–	–	–	0.0	–	0.0	–	–
127.0 50.0	–	5.9	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0 65.0	–	6.0	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0 70.0	–	0.0	–	0.0	–	–	–	2.9	–	0.0	–	–
130.0 35.0	–	6.3	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0 40.0	–	3.4	–	–	2.7	–	–	0.0	–	0.0	–	–
130.0 55.0	–	3.4	–	–	0.0	–	–	3.2	–	0.0	–	–
130.0 70.0	–	0.0	–	–	2.8	–	–	0.0	–	0.0	–	–
133.0 35.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0 55.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–

TABLE 4. (cont.)

Bathylagus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	70.0	9.0	–	–	0.0	–	–	–	–	–	–	–	–
63.0	55.0	10.0	–	–	0.0	–	–	–	–	–	–	–	–
63.0	60.0	9.0	–	–	0.0	–	–	–	–	–	–	–	–
67.0	60.0	19.0	–	–	0.0	–	–	–	–	–	–	–	–
70.0	51.0	–	–	–	2.8	–	–	–	–	–	–	–	–
70.0	53.0	0.0	–	–	5.6	–	–	–	–	–	–	–	–
70.0	60.0	0.0	–	–	5.0	–	–	–	–	–	–	–	–
83.0	80.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
87.0	65.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
87.0	110.0	–	3.5	–	–	–	–	–	–	–	–	–	–
90.0	32.0	–	25.4	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	45.0	–	0.0	–	–	3.0	–	0.0	–	–	0.0	–	–
90.0	60.0	–	6.1	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	65.0	2.5	–	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	70.0	6.3	–	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	180.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
90.0	200.0	0.0	–	–	5.5	–	–	–	–	–	–	–	–
93.0	28.0	–	0.0	–	3.4	–	–	0.0	–	–	0.0	–	–
93.0	35.0	–	0.0	–	3.1	–	–	0.0	–	–	0.0	–	–
93.0	40.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
97.0	40.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
97.0	45.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
100.0	30.0	–	3.4	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	90.0	–	0.0	–	–	0.0	–	2.9	–	–	0.0	–	–
103.0	40.0	–	2.8	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0	50.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	65.0	–	0.0	–	0.0	–	–	3.2	–	–	0.0	–	–
107.0	70.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
107.0	80.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	90.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
110.0	80.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
113.0	90.0	–	0.0	–	0.0	–	–	3.1	–	–	–	–	–
117.0	45.0	–	2.9	–	0.0	–	–	0.0	–	–	0.0	–	–
120.0	60.0	–	2.8	–	–	0.0	–	3.4	–	–	0.0	–	–
120.0	65.0	–	0.0	–	–	0.0	–	9.9	–	–	0.0	–	–
120.0	70.0	–	0.0	–	–	0.0	–	–	6.1	–	0.0	–	–
120.0	80.0	–	0.0	–	–	0.0	–	–	9.0	–	–	–	–
123.0	50.0	–	0.0	–	0.0	–	–	–	2.6	–	0.0	–	–
123.0	55.0	–	0.0	–	0.0	–	–	–	24.0	–	0.0	–	–
123.0	80.0	–	0.0	–	0.0	–	–	–	20.4	–	–	–	–
127.0	45.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	65.0	–	0.0	–	0.0	–	–	–	8.9	–	0.0	–	–
130.0	28.0	–	–	–	–	0.0	–	–	2.8	–	0.0	–	–
130.0	30.0	–	0.0	–	–	0.0	–	–	2.3	–	0.0	–	–

TABLE 4. (cont.)

Bathylagus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	35.0	–	0.0	–	–	0.0	–	–	3.3	–	0.0	–	–
130.0	45.0	–	0.0	–	–	0.0	–	–	3.4	–	0.0	–	–
130.0	70.0	–	0.0	–	–	0.0	–	–	11.4	–	0.0	–	–
130.0	80.0	–	0.0	–	–	0.0	–	–	3.0	–	–	–	–
133.0	55.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
133.0	65.0	–	0.0	–	–	0.0	–	–	5.2	–	–	–	–
137.0	20.0	–	–	–	–	0.0	–	–	–	–	0.1	–	–

Bathylagus milleri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	80.0	5.9	–	–	0.0	–	–	–	–	–	–	–	–
90.0	90.0	0.0	–	–	0.0	–	–	5.9	–	–	0.0	–	–

Bathylagus ochotensis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	51.0	–	–	–	1.6	–	–	–	–	–	–	–	–
60.0	52.0	2.4	–	–	2.4	–	–	–	–	–	–	–	–
60.0	55.0	0.0	–	–	20.2	–	–	–	–	–	–	–	–
60.0	60.0	33.1	–	–	29.0	–	–	–	–	–	–	–	–
60.0	70.0	0.0	–	–	10.6	–	–	–	–	–	–	–	–
60.0	80.0	6.2	–	–	7.1	–	–	–	–	–	–	–	–
60.0	90.0	0.0	–	–	18.6	–	–	–	–	–	–	–	–
60.0	100.0	0.0	–	–	12.1	–	–	–	–	–	–	–	–
60.0	120.0	0.0	–	–	3.1	–	–	–	–	–	–	–	–
63.0	52.0	28.2	–	–	13.5	–	–	–	–	–	–	–	–
63.0	55.0	15.1	–	–	72.8	–	–	–	–	–	–	–	–
63.0	60.0	38.9	–	–	8.3	–	–	–	–	–	–	–	–
67.0	55.0	0.0	–	–	23.4	–	–	–	–	–	–	–	–
67.0	60.0	47.4	–	–	29.3	–	–	–	–	–	–	–	–
70.0	50.0	–	–	–	8.1	–	–	–	–	–	–	–	–
70.0	51.0	–	–	–	14.2	–	–	–	–	–	–	–	–
70.0	52.0	–	–	–	34.1	–	–	–	–	–	–	–	–
70.0	53.0	0.0	–	–	36.4	–	–	–	–	–	–	–	–
70.0	60.0	20.6	–	–	0.0	–	–	–	–	–	–	–	–
70.0	70.0	24.2	–	–	21.8	–	–	–	–	–	–	–	–
70.0	80.0	26.6	–	–	3.0	–	–	–	–	–	–	–	–
70.0	90.0	12.4	–	–	0.0	–	–	–	–	–	–	–	–
70.0	100.0	5.7	–	–	0.0	–	–	–	–	–	–	–	–
70.0	120.0	5.1	–	–	0.0	–	–	–	–	–	–	–	–
73.0	49.4	–	–	–	1.3	–	–	–	–	–	–	–	–
73.0	50.0	–	–	–	1.9	–	–	–	–	–	–	–	–
73.0	53.0	2.9	–	–	3.1	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	60.0	11.4	–	–	2.8	–	–	–	–	–	–	–	–
77.0	49.0	–	–	–	0.8	–	–	–	–	–	–	–	–
77.0	50.0	–	–	–	4.6	–	–	–	–	–	–	–	–
77.0	51.0	2.8	–	–	0.0	–	–	–	–	–	–	–	–
77.0	55.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
80.0	55.0	11.9	–	–	0.0	–	–	0.0	–	–	0.0	–	–
80.0	60.0	25.5	–	–	0.0	–	–	11.5	–	–	0.0	–	–
80.0	65.0	13.1	–	–	0.0	–	–	0.0	–	–	0.0	–	–
80.0	70.0	3.2	–	–	2.9	–	–	0.0	–	–	0.0	–	–
80.0	75.0	2.9	–	–	–	–	–	–	–	–	–	–	–
80.0	80.0	0.0	–	–	5.2	–	–	0.0	–	–	0.0	–	–
80.0	90.0	0.0	–	–	3.0	–	–	0.0	–	–	0.0	–	–
83.0	51.0	2.0	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0	55.0	3.0	–	–	6.3	–	–	0.0	–	–	0.0	–	–
83.0	60.0	2.4	–	–	3.2	–	–	0.0	–	–	0.0	–	–
83.0	65.0	7.9	–	–	3.1	–	–	0.0	–	–	0.0	–	–
83.0	70.0	0.0	–	–	3.2	–	–	0.0	–	–	0.0	–	–
83.0	80.0	0.0	–	–	9.4	–	–	0.0	–	–	0.0	–	–
83.0	85.0	3.3	–	–	–	–	–	–	–	–	–	–	–
83.0	90.0	28.2	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0	95.0	37.1	–	–	–	–	–	–	–	–	–	–	–
83.0	100.0	–	12.5	–	–	–	–	–	–	–	–	–	–
83.0	105.0	–	8.7	–	–	–	–	–	–	–	–	–	–
83.0	110.0	–	13.0	–	–	–	–	–	–	–	–	–	–
83.0	115.0	–	7.9	–	–	–	–	–	–	–	–	–	–
87.0	35.0	–	16.3	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	45.0	–	24.4	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	50.0	–	2.9	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	65.0	–	3.3	–	15.7	–	–	0.0	–	–	0.0	–	–
87.0	75.0	–	9.3	–	–	–	–	–	–	–	–	–	–
87.0	85.0	–	3.4	–	–	–	–	–	–	–	–	–	–
87.0	90.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
87.0	105.0	–	3.2	–	–	–	–	–	–	–	–	–	–
87.0	110.0	–	21.1	–	–	–	–	–	–	–	–	–	–
87.0	115.0	–	3.4	–	–	–	–	–	–	–	–	–	–
90.0	28.0	–	8.1	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	32.0	–	25.4	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	37.0	–	22.4	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	45.0	–	23.5	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	53.0	–	2.8	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	60.0	–	0.0	–	–	9.3	–	0.0	–	–	0.0	–	–
90.0	70.0	9.4	–	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	90.0	0.0	–	–	5.4	–	–	0.0	–	–	0.0	–	–
93.0	28.0	–	12.0	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	30.0	–	2.9	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	35.0	–	0.0	–	3.1	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	70.0	–	12.6	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	80.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0	32.0	–	3.3	–	2.8	–	–	0.0	–	–	0.0	–	–
97.0	40.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
97.0	55.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
100.0	60.0	–	0.0	–	–	5.7	–	0.0	–	–	0.0	–	–
117.0	55.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–

Bathylagus pacificus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	60.0	9.0	–	–	0.0	–	–	–	–	–	–	–	–
67.0	60.0	9.5	–	–	0.0	–	–	–	–	–	–	–	–
70.0	70.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
83.0	65.0	2.6	–	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	75.0	–	3.1	–	–	–	–	–	–	–	–	–	–
87.0	80.0	–	9.9	–	0.0	–	–	0.0	–	–	0.0	–	–
90.0	80.0	2.9	–	–	–	0.0	–	0.0	–	–	0.0	–	–
117.0	40.0	–	0.0	–	2.3	–	–	0.0	–	–	0.0	–	–

Bathylagus wesethi

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	140.0	0.0	–	–	8.2	–	–	–	–	–	–	–	–
60.0	160.0	0.0	–	–	2.9	–	–	–	–	–	–	–	–
60.0	180.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
60.0	200.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
70.0	52.0	–	–	–	2.6	–	–	–	–	–	–	–	–
80.0	65.0	0.0	–	–	3.3	–	–	0.0	–	–	0.0	–	–
80.0	80.0	0.0	–	–	0.0	–	–	0.0	–	–	5.5	–	–
80.0	90.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
83.0	80.0	0.0	–	–	3.1	–	–	0.0	–	–	2.6	–	–
83.0	90.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
87.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	8.5	–	–
87.0	90.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
90.0	80.0	0.0	–	–	–	0.0	–	0.0	–	–	2.8	–	–
90.0	90.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
90.0	100.0	0.0	–	–	5.9	–	–	–	–	–	–	–	–
90.0	120.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
90.0	140.0	0.0	–	–	5.7	–	–	–	–	–	–	–	–
93.0	50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
93.0	55.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
93.0	60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
93.0	70.0	–	0.0	–	2.8	–	–	3.0	–	–	0.0	–	–

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	80.0	–	0.0	–	18.7	–	–	0.0	–	–	10.0	–	–
93.0	90.0	–	0.0	–	0.0	–	–	–	–	–	5.0	–	–
97.0	40.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
97.0	45.0	–	0.0	–	0.0	–	–	0.0	–	–	5.2	–	–
97.0	50.0	–	0.0	–	0.0	–	–	4.2	–	–	8.6	–	–
97.0	55.0	–	0.0	–	2.9	–	–	3.1	–	–	0.0	–	–
97.0	60.0	–	0.0	–	8.0	–	–	0.0	–	–	0.0	–	–
97.0	65.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
97.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	7.0	–	–
97.0	90.0	–	0.0	–	5.8	–	–	–	–	–	5.5	–	–
97.0	110.0	–	3.0	–	–	–	–	–	–	–	–	–	–
100.0	35.0	–	0.0	–	–	0.0	–	0.0	–	–	4.9	–	–
100.0	40.0	–	0.0	–	–	5.7	–	0.0	–	–	0.0	–	–
100.0	45.0	–	0.0	–	–	0.0	–	5.7	–	–	0.0	–	–
100.0	50.0	–	0.0	–	–	2.6	–	0.0	–	–	0.0	–	–
100.0	60.0	–	0.0	–	–	11.3	–	0.0	–	–	0.0	–	–
100.0	65.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–
100.0	70.0	–	0.0	–	–	0.0	–	18.5	–	–	0.0	–	–
100.0	80.0	–	15.0	–	–	5.6	–	0.0	–	–	2.8	–	–
100.0	90.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	100.0	–	0.0	–	–	11.1	–	–	–	–	–	–	–
100.0	120.0	–	0.0	–	–	2.4	–	–	–	–	–	–	–
103.0	29.0	–	–	–	0.0	–	–	0.8	–	–	0.0	–	–
103.0	35.0	–	0.0	–	0.0	–	–	6.0	–	–	0.0	–	–
103.0	40.0	–	0.0	–	6.6	–	–	0.0	–	–	0.0	–	–
103.0	45.0	–	0.0	–	8.9	–	–	3.2	–	–	0.0	–	–
103.0	50.0	–	0.0	–	8.3	–	–	3.1	–	–	0.0	–	–
103.0	55.0	–	2.8	–	5.9	–	–	3.0	–	–	0.0	–	–
103.0	60.0	–	0.0	–	17.2	–	–	3.0	–	–	2.7	–	–
103.0	65.0	–	0.0	–	21.9	–	–	0.0	–	–	21.8	–	–
103.0	70.0	–	3.0	–	17.2	–	–	0.0	–	–	13.4	–	–
103.0	80.0	–	12.1	–	12.2	–	–	25.9	–	–	8.2	–	–
103.0	90.0	–	0.0	–	6.2	–	–	9.5	–	–	2.7	–	–
107.0	32.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
107.0	35.0	–	0.0	–	0.0	–	–	12.5	–	–	0.0	–	–
107.0	40.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
107.0	50.0	–	0.0	–	2.9	–	–	3.2	–	–	0.0	–	–
107.0	55.0	–	0.0	–	11.6	–	–	3.2	–	–	2.8	–	–
107.0	60.0	–	12.7	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	65.0	–	3.2	–	3.0	–	–	0.0	–	–	8.1	–	–
107.0	70.0	–	21.6	–	0.0	–	–	0.0	–	–	5.6	–	–
107.0	80.0	–	12.8	–	2.8	–	–	9.1	–	–	2.6	–	–
107.0	90.0	–	3.2	–	5.9	–	–	0.0	–	–	11.1	–	–
110.0	35.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–
110.0	40.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
110.0	45.0	–	0.0	–	–	5.5	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	55.0	–	0.0	–	–	2.7	–	0.0	–	–	0.0	–	–
110.0	70.0	–	0.0	–	–	7.6	–	0.0	–	–	0.0	–	–
110.0	80.0	–	0.0	–	–	2.9	–	0.0	–	–	0.0	–	–
110.0	90.0	–	0.0	–	–	10.4	–	12.1	–	–	0.0	–	–
110.0	100.0	–	0.0	–	–	2.5	–	–	–	–	–	–	–
113.0	45.0	–	0.0	–	8.7	–	–	0.0	–	–	0.0	–	–
113.0	60.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	65.0	–	0.0	–	0.0	–	–	14.8	–	–	8.0	–	–
113.0	70.0	–	0.0	–	0.0	–	–	0.0	–	–	16.3	–	–
113.0	80.0	–	0.0	–	8.9	–	–	0.0	–	–	5.3	–	–
113.0	90.0	–	3.1	–	0.0	–	–	79.8	–	–	–	–	–
117.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
117.0	60.0	–	0.0	–	0.0	–	–	33.0	–	–	2.7	–	–
117.0	65.0	–	0.0	–	0.0	–	–	26.6	–	–	0.0	–	–
117.0	70.0	–	0.0	–	0.0	–	–	30.4	–	–	2.8	–	–
117.0	80.0	–	6.3	–	0.0	–	–	9.3	–	–	0.0	–	–
117.0	90.0	–	0.0	–	17.3	–	–	56.2	–	–	–	–	–
120.0	45.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0	60.0	–	0.0	–	–	0.0	–	30.5	–	–	0.0	–	–
120.0	65.0	–	0.0	–	–	0.0	–	9.9	–	–	0.0	–	–
120.0	70.0	–	6.3	–	–	0.0	–	–	30.4	–	0.0	–	–
120.0	80.0	–	0.0	–	–	5.5	–	–	3.0	–	–	–	–
123.0	42.0	–	0.0	–	3.2	4.3	–	–	19.1	–	0.0	–	–
123.0	50.0	–	3.1	–	0.0	–	–	–	31.0	–	0.0	–	–
123.0	55.0	–	3.2	–	0.0	–	–	–	93.0	–	0.0	–	–
123.0	60.0	–	0.0	–	5.4	–	–	–	71.0	–	0.0	–	–
123.0	65.0	–	0.0	–	11.8	–	–	–	86.1	–	0.0	–	–
123.0	70.0	–	6.1	–	0.0	–	–	–	5.4	–	0.0	–	–
123.0	80.0	–	0.0	–	0.0	–	–	–	11.6	–	–	–	–
127.0	40.0	–	0.0	–	0.0	0.0	–	–	8.4	–	0.0	–	–
127.0	45.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	50.0	–	0.0	–	0.0	–	–	–	4.0	–	0.0	–	–
127.0	70.0	–	0.0	–	0.0	–	–	–	5.9	–	0.0	–	–
130.0	40.0	–	0.0	–	–	0.0	–	–	6.3	–	0.0	–	–
130.0	45.0	–	0.0	–	–	0.0	–	–	6.8	–	0.0	–	–
130.0	55.0	–	0.0	–	–	0.0	–	–	3.2	–	0.0	–	–
130.0	60.0	–	0.0	–	–	0.0	–	–	5.8	–	0.0	–	–
130.0	65.0	–	–	–	–	–	–	–	5.7	–	0.0	–	–
130.0	70.0	–	6.8	–	–	0.0	–	–	42.9	–	0.0	–	–
130.0	80.0	–	0.0	–	–	0.0	–	–	48.6	–	–	–	–
133.0	60.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–
137.0	70.0	–	0.0	–	–	0.0	–	–	2.8	–	–	–	–

TABLE 4. (cont.)

Leuroglossus stilbius

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 60.0	15.1	–	–	0.0	–	–	–	–	–	–	–	–
60.0 90.0	3.0	–	–	2.3	–	–	–	–	–	–	–	–
60.0 100.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
63.0 52.0	18.8	–	–	0.0	–	–	–	–	–	–	–	–
63.0 55.0	60.2	–	–	11.2	–	–	–	–	–	–	–	–
63.0 60.0	116.6	–	–	2.8	–	–	–	–	–	–	–	–
67.0 55.0	26.6	–	–	10.4	–	–	–	–	–	–	–	–
67.0 60.0	31.6	–	–	26.6	–	–	–	–	–	–	–	–
70.0 50.0	–	–	–	5.4	–	–	–	–	–	–	–	–
70.0 51.0	–	–	–	25.6	–	–	–	–	–	–	–	–
70.0 52.0	–	–	–	131.0	–	–	–	–	–	–	–	–
70.0 53.0	40.5	–	–	112.0	–	–	–	–	–	–	–	–
70.0 60.0	38.2	–	–	0.0	–	–	–	–	–	–	–	–
70.0 70.0	24.2	–	–	21.8	–	–	–	–	–	–	–	–
70.0 80.0	3.0	–	–	3.0	–	–	–	–	–	–	–	–
70.0 100.0	2.8	–	–	0.0	–	–	–	–	–	–	–	–
73.0 50.0	–	–	–	1.9	–	–	–	–	–	–	–	–
73.0 53.0	11.6	–	–	21.4	–	–	–	–	–	–	–	–
73.0 60.0	73.8	–	–	2.8	–	–	–	–	–	–	–	–
77.0 50.0	–	–	–	11.5	–	–	–	–	–	–	–	–
77.0 51.0	92.7	–	–	12.8	–	–	–	–	–	–	–	–
77.0 55.0	36.4	–	–	10.5	–	–	–	–	–	–	–	–
77.0 57.0	72.5	–	–	8.4	–	–	–	–	–	–	–	–
80.0 52.0	5.4	–	–	0.0	–	–	0.0	–	–	0.0	–	–
80.0 55.0	95.0	–	–	33.0	–	–	2.5	–	–	0.0	–	–
80.0 60.0	79.2	–	–	86.9	–	–	0.0	–	–	0.0	–	–
80.0 65.0	36.7	–	–	3.3	–	–	0.0	–	–	0.0	–	–
80.0 70.0	0.0	–	–	11.5	–	–	0.0	–	–	0.0	–	–
80.0 80.0	0.0	–	–	10.5	–	–	0.0	–	–	0.0	–	–
80.0 100.0	0.0	–	–	5.6	–	–	–	–	–	–	–	–
82.0 47.0	43.8	–	–	28.4	–	–	0.0	–	–	0.0	–	–
83.0 43.0	71.8	–	–	50.1	–	–	0.0	–	–	0.0	–	–
83.0 51.0	11.9	–	–	5.7	–	–	0.0	–	–	0.0	–	–
83.0 55.0	227.2	–	–	101.1	–	–	8.2	–	–	0.0	–	–
83.0 60.0	79.9	–	–	42.1	–	–	0.0	–	–	0.0	–	–
83.0 65.0	76.3	–	–	15.7	–	–	0.0	–	–	0.0	–	–
83.0 70.0	59.0	–	–	19.0	–	–	0.0	–	–	0.0	–	–
83.0 80.0	9.4	–	–	25.0	–	–	0.0	–	–	0.0	–	–
83.0 85.0	78.5	–	–	–	–	–	–	–	–	–	–	–
83.0 90.0	77.4	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0 95.0	106.0	–	–	–	–	–	–	–	–	–	–	–
83.0 100.0	–	25.0	–	–	–	–	–	–	–	–	–	–
83.0 105.0	–	14.6	–	–	–	–	–	–	–	–	–	–
83.0 110.0	–	13.0	–	–	–	–	–	–	–	–	–	–
83.0 115.0	–	5.3	–	–	–	–	–	–	–	–	–	–
87.0 32.5	–	–	–	1.2	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	33.0	–	–	–	23.1	–	–	0.0	–	–	0.0	–	–
87.0	34.0	–	–	–	37.8	–	–	0.0	–	–	0.0	–	–
87.0	35.0	–	498.8	–	433.3	–	–	0.0	–	–	0.0	–	–
87.0	40.0	–	288.0	–	61.2	–	–	0.0	–	–	0.0	–	–
87.0	45.0	–	207.4	–	3.3	–	–	2.8	–	–	0.0	–	–
87.0	50.0	–	47.0	–	18.5	–	–	0.0	–	–	0.0	–	–
87.0	55.0	–	6.8	–	16.9	–	–	11.5	–	–	0.0	–	–
87.0	60.0	–	0.0	–	26.3	–	–	2.7	–	–	0.0	–	–
87.0	65.0	–	6.6	–	15.7	–	–	0.0	–	–	0.0	–	–
87.0	70.0	–	3.0	–	16.2	–	–	0.0	–	–	0.0	–	–
87.0	80.0	–	0.0	–	18.8	–	–	0.0	–	–	0.0	–	–
87.0	85.0	–	3.4	–	–	–	–	–	–	–	–	–	–
87.0	90.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	95.0	–	3.0	–	–	–	–	–	–	–	–	–	–
87.0	100.0	–	3.3	–	–	–	–	–	–	–	–	–	–
87.0	105.0	–	6.4	–	–	–	–	–	–	–	–	–	–
87.0	110.0	–	10.5	–	–	–	–	–	–	–	–	–	–
87.0	115.0	–	10.3	–	–	–	–	–	–	–	–	–	–
90.0	28.0	–	40.5	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	32.0	–	145.8	–	–	8.6	–	0.0	–	–	0.0	–	–
90.0	37.0	–	610.4	–	–	11.2	–	0.0	–	–	0.0	–	–
90.0	45.0	–	341.0	–	–	121.8	–	2.8	–	–	0.0	–	–
90.0	53.0	–	148.9	–	–	51.3	–	11.5	–	–	0.0	–	–
90.0	60.0	–	6.1	–	–	65.3	–	6.1	–	–	0.0	–	–
90.0	65.0	0.0	–	–	–	8.4	–	0.0	–	–	0.0	–	–
90.0	70.0	12.6	–	–	–	7.7	–	0.0	–	–	0.0	–	–
90.0	80.0	0.0	–	–	–	4.5	–	0.0	–	–	0.0	–	–
90.0	90.0	0.0	–	–	2.7	–	–	0.0	–	–	0.0	–	–
93.0	27.0	–	–	–	71.5	–	–	0.0	–	–	0.0	–	–
93.0	28.0	–	210.7	–	335.2	–	–	22.0	–	–	0.0	–	–
93.0	30.0	–	48.6	–	106.2	–	–	2.9	–	–	0.0	–	–
93.0	35.0	–	25.5	–	15.7	–	–	8.6	–	–	0.0	–	–
93.0	40.0	–	15.5	–	14.8	–	–	0.0	–	–	0.0	–	–
93.0	45.0	–	3.1	–	19.6	–	–	0.0	–	–	0.0	–	–
93.0	50.0	–	0.0	–	168.7	–	–	0.0	–	–	0.0	–	–
93.0	55.0	–	20.1	–	19.8	–	–	0.0	–	–	0.0	–	–
93.0	60.0	–	3.4	–	82.0	–	–	0.0	–	–	0.0	–	–
93.0	65.0	–	3.5	–	14.9	–	–	0.0	–	–	0.0	–	–
93.0	70.0	–	6.3	–	5.7	–	–	3.0	–	–	0.0	–	–
93.0	80.0	–	6.4	–	56.0	–	–	0.0	–	–	0.0	–	–
93.0	90.0	–	0.0	–	2.9	–	–	–	–	–	0.0	–	–
97.0	30.0	–	0.0	–	9.2	–	–	0.0	–	–	0.0	–	–
97.0	32.0	–	0.0	–	47.9	–	–	0.0	–	–	0.0	–	–
97.0	35.0	–	13.4	–	65.3	–	–	0.0	–	–	0.0	–	–
97.0	40.0	–	0.0	–	462.7	–	–	0.0	–	–	0.0	–	–
97.0	45.0	–	0.0	–	61.5	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	50.0	–	0.0	–	166.2	–	–	12.6	–	–	0.0	–	–
97.0	55.0	–	0.0	–	57.6	–	–	0.0	–	–	0.0	–	–
97.0	60.0	–	0.0	–	66.5	–	–	0.0	–	–	0.0	–	–
97.0	65.0	–	3.1	–	57.8	–	–	0.0	–	–	0.0	–	–
97.0	70.0	–	7.1	–	2.6	–	–	0.0	–	–	0.0	–	–
100.0	29.0	–	–	–	–	1.8	–	0.0	–	–	0.0	–	–
100.0	30.0	–	0.0	–	–	18.1	–	0.0	–	–	0.0	–	–
100.0	35.0	–	0.0	–	–	19.5	–	0.0	–	–	0.0	–	–
100.0	40.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–
100.0	45.0	–	0.0	–	–	3.0	–	0.0	–	–	0.0	–	–
100.0	50.0	–	6.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	55.0	–	0.0	–	–	5.1	–	0.0	–	–	0.0	–	–
100.0	60.0	–	0.0	–	–	34.0	–	0.0	–	–	0.0	–	–
100.0	65.0	–	0.0	–	–	42.8	–	0.0	–	–	0.0	–	–
103.0	28.5	–	–	–	1.0	–	–	–	–	–	0.0	–	–
103.0	30.0	–	5.9	–	4.0	–	–	0.0	–	–	0.0	–	–
103.0	35.0	–	2.9	–	17.9	–	–	0.0	–	–	0.0	–	–
103.0	40.0	–	19.6	–	3.3	–	–	0.0	–	–	0.0	–	–
103.0	45.0	–	5.7	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0	60.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
107.0	32.0	–	29.8	–	16.9	–	–	0.0	–	–	0.0	–	–
107.0	35.0	–	80.2	–	27.6	–	–	0.0	–	–	0.0	–	–
107.0	40.0	–	55.3	–	64.9	–	–	0.0	–	–	0.0	–	–
107.0	45.0	–	0.0	–	128.0	–	–	0.0	–	–	0.0	–	–
107.0	50.0	–	6.2	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	60.0	–	0.0	–	5.8	–	–	0.0	–	–	0.0	–	–
107.0	65.0	–	0.0	–	39.1	–	–	0.0	–	–	0.0	–	–
107.0	70.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
107.0	80.0	–	0.0	–	8.3	–	–	0.0	–	–	0.0	–	–
110.0	32.0	–	30.1	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	35.0	–	35.2	–	–	4.7	–	0.0	–	–	0.0	–	–
110.0	40.0	–	0.0	–	–	9.4	–	0.0	–	–	0.0	–	–
110.0	50.0	–	0.0	–	–	5.7	–	0.0	–	–	0.0	–	–
110.0	55.0	–	0.0	–	–	8.2	–	0.0	–	–	0.0	–	–
110.0	60.0	–	0.0	–	–	13.9	–	0.0	–	–	0.0	–	–
113.0	35.0	–	30.1	–	3.0	–	–	0.0	–	–	0.0	–	–
113.0	40.0	–	83.7	–	5.6	–	–	0.0	–	–	0.0	–	–
113.0	45.0	–	9.7	–	23.2	–	–	0.0	–	–	0.0	–	–
113.0	50.0	–	0.0	–	39.1	–	–	0.0	–	–	0.0	–	–
113.0	55.0	–	0.0	–	24.2	–	–	0.0	–	–	0.0	–	–
113.0	60.0	–	3.2	–	8.8	–	–	0.0	–	–	0.0	–	–
113.0	65.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
115.0	35.0	–	17.4	–	–	0.0	–	–	–	–	–	–	–
117.0	30.0	–	6.0	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	35.0	–	0.0	–	6.0	–	–	0.0	–	–	0.0	–	–
117.0	40.0	–	0.0	–	6.9	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0 45.0	-	2.9	-	5.8	-	-	0.0	-	-	0.0	-	-
117.0 65.0	-	0.0	-	3.0	-	-	0.0	-	-	0.0	-	-
118.0 39.0	-	5.9	-	15.2	-	-	0.0	-	-	0.0	-	-
120.0 45.0	-	0.0	-	-	2.9	-	0.0	-	-	0.0	-	-
120.0 50.0	-	0.0	-	-	22.6	-	0.0	-	-	0.0	-	-
120.0 55.0	-	0.0	-	-	18.9	-	0.0	-	-	0.0	-	-
120.0 60.0	-	2.8	-	-	5.7	-	0.0	-	-	0.0	-	-
120.0 65.0	-	0.0	-	-	19.0	-	0.0	-	-	0.0	-	-
120.0 70.0	-	0.0	-	-	2.9	-	-	0.0	-	0.0	-	-
123.0 36.0	-	-	-	2.4	-	-	-	0.0	-	0.0	-	-
123.0 42.0	-	0.0	-	12.9	0.0	-	-	0.0	-	0.0	-	-
123.0 45.0	-	0.0	-	2.7	-	-	-	0.0	-	0.0	-	-
123.0 50.0	-	3.1	-	0.0	-	-	-	0.0	-	0.0	-	-
127.0 34.0	-	2.8	-	0.0	-	-	-	0.0	-	0.0	-	-
127.0 40.0	-	0.0	-	2.9	2.8	-	-	0.0	-	0.0	-	-
127.0 45.0	-	0.0	-	8.8	-	-	-	0.0	-	0.0	-	-
130.0 35.0	-	0.0	-	-	10.5	-	-	0.0	-	0.0	-	-
133.0 35.0	-	0.0	-	0.0	-	-	-	2.8	-	0.0	-	-
133.0 50.0	-	0.0	-	2.8	-	-	-	0.0	-	0.0	-	-
133.0 55.0	-	0.0	-	2.9	-	-	-	0.0	-	0.0	-	-

Osmeridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 49.2	-	-	-	2.1	-	-	-	-	-	-	-	-
60.0 52.0	0.0	-	-	2.4	-	-	-	-	-	-	-	-

Stomiiformes

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 200.0	0.0	-	-	2.8	-	-	-	-	-	-	-	-
100.0 120.0	-	0.0	-	-	2.4	-	-	-	-	-	-	-
130.0 70.0	-	0.0	-	-	0.0	-	-	2.9	-	0.0	-	-

Gonostomatidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 100.0	2.8	-	-	0.0	-	-	-	-	-	-	-	-
80.0 70.0	3.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-
97.0 110.0	-	3.0	-	-	-	-	-	-	-	-	-	-
100.0 50.0	-	6.0	-	-	0.0	-	0.0	-	-	0.0	-	-
103.0 60.0	-	0.0	-	0.0	-	-	3.0	-	-	0.0	-	-
103.0 90.0	-	3.1	-	0.0	-	-	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Gonostomatidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0 80.0	–	0.0	–	–	0.0	–	3.2	–	–	0.0	–	–
110.0 90.0	–	0.0	–	–	2.6	–	0.0	–	–	0.0	–	–
123.0 60.0	–	0.0	–	0.0	–	–	–	11.4	–	0.0	–	–
127.0 55.0	–	0.0	–	0.0	–	–	–	9.1	–	0.0	–	–
127.0 80.0	–	0.0	–	0.0	–	–	–	3.0	–	–	–	–
130.0 30.0	–	0.0	–	–	0.0	–	–	9.4	–	0.0	–	–

Cyclothone spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 140.0	5.9	–	–	8.2	–	–	–	–	–	–	–	–
60.0 180.0	2.9	–	–	14.0	–	–	–	–	–	–	–	–
60.0 200.0	5.5	–	–	24.9	–	–	–	–	–	–	–	–
70.0 80.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
70.0 100.0	2.8	–	–	0.0	–	–	–	–	–	–	–	–
70.0 120.0	5.1	–	–	0.0	–	–	–	–	–	–	–	–
70.0 200.0	14.3	–	–	37.4	–	–	–	–	–	–	–	–
80.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	8.3	–	–
80.0 90.0	0.0	–	–	0.0	–	–	0.0	–	–	5.2	–	–
80.0 120.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
80.0 200.0	0.0	–	–	22.8	–	–	–	–	–	–	–	–
83.0 70.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
83.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	28.6	–	–
83.0 90.0	0.0	–	–	0.0	–	–	0.0	–	–	10.6	–	–
83.0 95.0	2.7	–	–	–	–	–	–	–	–	–	–	–
83.0 115.0	–	2.6	–	–	–	–	–	–	–	–	–	–
87.0 65.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
87.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
87.0 90.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
90.0 70.0	0.0	–	–	–	0.0	–	0.0	–	–	2.7	–	–
90.0 80.0	0.0	–	–	–	0.0	–	0.0	–	–	5.6	–	–
90.0 90.0	0.0	–	–	0.0	–	–	0.0	–	–	5.3	–	–
90.0 100.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
90.0 110.0	5.4	–	–	–	–	–	–	–	–	–	–	–
90.0 120.0	2.5	–	–	0.0	–	–	–	–	–	–	–	–
90.0 130.0	2.9	–	–	–	–	–	–	–	–	–	–	–
90.0 140.0	2.6	–	–	25.6	–	–	–	–	–	–	–	–
90.0 160.0	21.7	–	–	13.9	–	–	–	–	–	–	–	–
90.0 180.0	24.6	–	–	46.9	–	–	–	–	–	–	–	–
90.0 200.0	2.7	–	–	13.8	–	–	–	–	–	–	–	–
93.0 45.0	–	6.3	–	0.0	–	–	0.0	–	–	2.6	–	–
93.0 50.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	7.9	–	–
93.0 70.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	7.5	–	–

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0 90.0	-	3.2	-	0.0	-	-	-	-	-	22.4	-	-
93.0 100.0	-	6.0	-	-	-	-	-	-	-	-	-	-
93.0 110.0	-	6.0	-	-	-	-	-	-	-	-	-	-
93.0 120.0	-	9.1	-	-	-	-	-	-	-	-	-	-
97.0 32.0	-	0.0	-	0.0	-	-	0.0	-	-	2.7	-	-
97.0 35.0	-	0.0	-	0.0	-	-	0.0	-	-	2.8	-	-
97.0 45.0	-	0.0	-	0.0	-	-	0.0	-	-	13.0	-	-
97.0 50.0	-	0.0	-	0.0	-	-	0.0	-	-	5.7	-	-
97.0 65.0	-	0.0	-	0.0	-	-	0.0	-	-	3.0	-	-
97.0 70.0	-	0.0	-	0.0	-	-	0.0	-	-	2.7	-	-
97.0 80.0	-	6.2	-	0.0	-	-	0.0	-	-	35.3	-	-
97.0 90.0	-	3.0	-	5.8	-	-	-	-	-	41.3	-	-
97.0 110.0	-	11.9	-	-	-	-	-	-	-	-	-	-
97.0 120.0	-	16.0	-	-	-	-	-	-	-	-	-	-
100.0 35.0	-	0.0	-	-	2.8	-	0.0	-	-	4.9	-	-
100.0 40.0	-	0.0	-	-	0.0	-	0.0	-	-	2.9	-	-
100.0 45.0	-	0.0	-	-	3.0	-	2.8	-	-	2.8	-	-
100.0 50.0	-	6.0	-	-	0.0	-	0.0	-	-	0.0	-	-
100.0 60.0	-	0.0	-	-	0.0	-	5.9	-	-	0.0	-	-
100.0 70.0	-	0.0	-	-	7.2	-	3.1	-	-	0.0	-	-
100.0 80.0	-	6.0	-	-	0.0	-	5.7	-	-	2.8	-	-
100.0 90.0	-	5.9	-	-	3.0	-	0.0	-	-	0.0	-	-
100.0 100.0	-	14.5	-	-	13.9	-	-	-	-	-	-	-
100.0 120.0	-	8.4	-	-	0.0	-	-	-	-	-	-	-
103.0 45.0	-	5.7	-	3.0	-	-	0.0	-	-	0.0	-	-
103.0 50.0	-	3.1	-	2.8	-	-	0.0	-	-	0.0	-	-
103.0 55.0	-	5.7	-	0.0	-	-	0.0	-	-	2.8	-	-
103.0 60.0	-	0.0	-	31.6	-	-	0.0	-	-	10.8	-	-
103.0 65.0	-	3.1	-	41.1	-	-	26.9	-	-	21.8	-	-
103.0 70.0	-	0.0	-	8.6	-	-	2.9	-	-	18.8	-	-
103.0 80.0	-	39.3	-	9.1	-	-	20.2	-	-	5.4	-	-
103.0 90.0	-	0.0	-	6.2	-	-	3.2	-	-	2.7	-	-
107.0 31.0	-	-	-	0.0	-	-	0.0	-	-	0.8	-	-
107.0 32.0	-	0.0	-	0.0	-	-	3.1	-	-	0.0	-	-
107.0 35.0	-	0.0	-	0.0	-	-	3.1	-	-	0.0	-	-
107.0 60.0	-	12.7	-	8.7	-	-	0.0	-	-	8.2	-	-
107.0 65.0	-	6.4	-	0.0	-	-	12.6	-	-	26.9	-	-
107.0 70.0	-	9.2	-	0.0	-	-	0.0	-	-	25.4	-	-
107.0 80.0	-	6.4	-	0.0	-	-	9.1	-	-	52.6	-	-
107.0 90.0	-	12.8	-	0.0	-	-	0.0	-	-	22.2	-	-
110.0 50.0	-	0.0	-	-	2.9	-	0.0	-	-	0.0	-	-
110.0 55.0	-	0.0	-	-	5.5	-	0.0	-	-	0.0	-	-
110.0 60.0	-	0.0	-	-	0.0	-	0.0	-	-	2.7	-	-
110.0 65.0	-	0.0	-	-	0.0	-	0.0	-	-	16.5	-	-
110.0 70.0	-	0.0	-	-	0.0	-	0.0	-	-	41.7	-	-
110.0 80.0	-	0.0	-	-	0.0	-	3.2	-	-	2.8	-	-

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0 90.0	–	2.9	–	–	41.6	–	0.0	–	–	2.7	–	–
110.0 100.0	–	2.8	–	–	7.6	–	–	–	–	–	–	–
110.0 120.0	–	21.8	–	–	30.8	–	–	–	–	–	–	–
113.0 35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	6.0	–	–
113.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
113.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	16.0	–	–
113.0 65.0	–	0.0	–	0.0	–	–	23.7	–	–	82.5	–	–
113.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	29.9	–	–
113.0 80.0	–	0.0	–	3.0	–	–	0.0	–	–	50.5	–	–
113.0 90.0	–	0.0	–	8.5	–	–	24.6	–	–	–	–	–
117.0 40.0	–	0.0	–	0.0	–	–	0.0	–	–	5.7	–	–
117.0 45.0	–	0.0	–	5.8	–	–	0.0	–	–	20.8	–	–
117.0 50.0	–	3.4	–	0.0	–	–	0.0	–	–	14.9	–	–
117.0 55.0	–	0.0	–	0.0	–	–	0.0	–	–	17.2	–	–
117.0 60.0	–	0.0	–	0.0	–	–	11.0	–	–	10.8	–	–
117.0 65.0	–	0.0	–	0.0	–	–	5.9	–	–	8.5	–	–
117.0 70.0	–	0.0	–	2.9	–	–	9.1	–	–	2.8	–	–
117.0 80.0	–	6.3	–	2.9	–	–	3.1	–	–	10.9	–	–
117.0 90.0	–	17.7	–	11.6	–	–	8.9	–	–	–	–	–
118.0 39.0	–	0.0	–	3.0	–	–	0.0	–	–	11.5	–	–
120.0 30.0	–	0.0	–	0.0	–	–	0.0	–	–	2.4	–	–
120.0 45.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
120.0 50.0	–	8.9	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0 55.0	–	6.1	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0 60.0	–	0.0	–	–	0.0	–	37.3	–	–	0.0	–	–
120.0 65.0	–	0.0	–	–	0.0	–	39.6	–	–	0.0	–	–
120.0 70.0	–	6.3	–	–	0.0	–	–	18.2	–	2.7	–	–
120.0 80.0	–	20.6	–	–	0.0	–	–	0.0	–	–	–	–
120.0 90.0	–	19.5	–	–	0.0	–	–	–	–	–	–	–
120.0 100.0	–	9.5	–	–	5.5	–	–	–	–	–	–	–
120.0 120.0	–	3.2	–	–	0.0	–	–	–	–	–	–	–
123.0 42.0	–	0.0	–	0.0	0.0	–	–	6.4	–	0.0	–	–
123.0 45.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
123.0 50.0	–	0.0	–	0.0	–	–	–	7.7	–	0.0	–	–
123.0 55.0	–	12.7	–	0.0	–	–	–	45.0	–	2.8	–	–
123.0 60.0	–	3.0	–	0.0	–	–	–	45.4	–	0.0	–	–
123.0 65.0	–	9.5	–	3.0	–	–	–	35.6	–	0.0	–	–
123.0 70.0	–	24.2	–	0.0	–	–	–	10.7	–	2.7	–	–
123.0 80.0	–	15.1	–	0.0	–	–	–	8.7	–	–	–	–
127.0 40.0	–	3.0	–	0.0	2.8	–	–	0.0	–	0.0	–	–
127.0 45.0	–	9.1	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0 50.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0 55.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–
127.0 65.0	–	3.0	–	0.0	–	–	–	20.6	–	0.0	–	–
127.0 70.0	–	0.0	–	0.0	–	–	–	46.9	–	6.0	–	–

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	80.0	–	0.0	–	0.0	–	–	–	84.8	–	–	–	–
130.0	35.0	–	6.3	–	–	0.0	–	–	3.3	–	0.0	–	–
130.0	40.0	–	10.3	–	–	0.0	–	–	28.4	–	2.7	–	–
130.0	45.0	–	10.0	–	–	0.0	–	–	47.5	–	0.0	–	–
130.0	50.0	–	3.1	–	–	0.0	–	–	6.4	–	0.0	–	–
130.0	60.0	–	0.0	–	–	0.0	–	–	8.7	–	2.8	–	–
130.0	65.0	–	–	–	–	–	–	–	23.0	–	2.8	–	–
130.0	70.0	–	6.8	–	–	0.0	–	–	54.3	–	0.0	–	–
130.0	90.0	–	12.9	–	–	0.0	–	–	–	–	–	–	–
130.0	100.0	–	5.7	–	–	0.0	–	–	–	–	–	–	–
130.0	120.0	–	6.5	–	–	2.8	–	–	–	–	–	–	–
133.0	25.0	–	3.1	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0	40.0	–	0.0	–	0.0	–	–	–	28.3	–	0.0	–	–
133.0	45.0	–	0.0	–	0.0	–	–	–	9.1	–	0.0	–	–
133.0	50.0	–	0.0	–	0.0	–	–	–	32.1	–	0.0	–	–
133.0	55.0	–	0.0	–	2.9	–	–	–	38.4	–	0.0	–	–
133.0	60.0	–	0.0	–	0.0	–	–	–	70.6	–	11.2	–	–
133.0	65.0	–	0.0	–	–	0.0	–	–	10.5	–	–	–	–
133.0	70.0	–	0.0	–	–	0.0	–	–	38.3	–	–	–	–
133.0	80.0	–	0.0	–	–	0.0	–	–	39.1	–	–	–	–
137.0	50.0	–	0.0	–	–	2.8	–	–	0.0	–	0.0	–	–
137.0	55.0	–	0.0	–	–	0.0	–	–	0.0	–	13.6	–	–
137.0	60.0	–	0.0	–	–	0.0	–	–	11.6	–	0.0	–	–
137.0	65.0	–	–	–	–	–	–	–	3.0	–	–	–	–
137.0	70.0	–	0.0	–	–	0.0	–	–	2.8	–	–	–	–
137.0	80.0	–	0.0	–	–	0.0	–	–	3.0	–	–	–	–

Diplophos taenia

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	200.0	0.0	–	–	1.8	–	–	–	–	–	–	–	–
83.0	115.0	–	5.3	–	–	–	–	–	–	–	–	–	–
123.0	55.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
130.0	80.0	–	0.0	–	–	0.0	–	–	3.0	–	–	–	–
133.0	80.0	–	0.0	–	–	3.1	–	–	5.6	–	–	–	–
137.0	55.0	–	0.0	–	–	0.0	–	–	0.0	–	2.7	–	–

Ichthyococcus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	65.0	–	0.0	–	2.7	–	–	0.0	–	–	0.0	–	–
107.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
113.0	80.0	–	2.9	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	90.0	–	0.0	–	0.0	–	–	3.1	–	–	–	–	–

TABLE 4. (cont.)

Ichthyococcus spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0 60.0	–	0.0	–	–	0.0	–	3.4	–	–	0.0	–	–
120.0 70.0	–	3.2	–	–	0.0	–	–	0.0	–	0.0	–	–
123.0 50.0	–	3.1	–	0.0	–	–	–	2.6	–	0.0	–	–
123.0 70.0	–	0.0	–	0.0	–	–	–	2.7	–	0.0	–	–
137.0 45.0	–	3.2	–	–	0.0	–	–	–	–	0.0	–	–
137.0 55.0	–	0.0	–	–	0.0	–	–	0.0	–	2.7	–	–

Vinciguerria lucetia

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 140.0	0.0	–	–	2.7	–	–	–	–	–	–	–	–
60.0 180.0	2.9	–	–	5.6	–	–	–	–	–	–	–	–
60.0 200.0	2.7	–	–	5.5	–	–	–	–	–	–	–	–
70.0 200.0	8.6	–	–	18.7	–	–	–	–	–	–	–	–
80.0 80.0	0.0	–	–	5.2	–	–	0.0	–	–	0.0	–	–
80.0 100.0	2.7	–	–	0.0	–	–	–	–	–	–	–	–
80.0 200.0	0.0	–	–	7.0	–	–	–	–	–	–	–	–
87.0 90.0	–	0.0	–	0.0	–	–	5.7	–	–	0.0	–	–
87.0 110.0	–	3.5	–	–	–	–	–	–	–	–	–	–
90.0 27.5	–	–	–	–	0.0	–	0.0	–	–	0.2	–	–
90.0 28.0	–	0.0	–	–	0.0	–	0.0	–	–	5.8	–	–
90.0 37.0	–	0.0	–	–	0.0	–	0.0	–	–	3.1	–	–
90.0 80.0	0.0	–	–	–	0.0	–	0.0	–	–	25.1	–	–
90.0 90.0	0.0	–	–	0.0	–	–	0.0	–	–	13.4	–	–
90.0 110.0	8.1	–	–	–	–	–	–	–	–	–	–	–
90.0 120.0	0.0	–	–	8.4	–	–	–	–	–	–	–	–
90.0 130.0	5.8	–	–	–	–	–	–	–	–	–	–	–
90.0 140.0	2.6	–	–	14.3	–	–	–	–	–	–	–	–
90.0 160.0	5.4	–	–	0.0	–	–	–	–	–	–	–	–
90.0 180.0	27.3	–	–	33.1	–	–	–	–	–	–	–	–
90.0 200.0	2.7	–	–	2.8	–	–	–	–	–	–	–	–
93.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	18.2	–	–
93.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	23.9	–	–
93.0 55.0	–	0.0	–	0.0	–	–	0.0	–	–	10.7	–	–
93.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	10.5	–	–
93.0 70.0	–	6.3	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0 80.0	–	3.2	–	0.0	–	–	0.0	–	–	20.0	–	–
93.0 90.0	–	0.0	–	0.0	–	–	–	–	–	32.4	–	–
93.0 100.0	–	6.0	–	–	–	–	–	–	–	–	–	–
93.0 110.0	–	3.0	–	–	–	–	–	–	–	–	–	–
93.0 120.0	–	9.1	–	–	–	–	–	–	–	–	–	–
97.0 32.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
97.0 35.0	–	0.0	–	0.0	–	–	0.0	–	–	8.4	–	–
97.0 40.0	–	0.0	–	0.0	–	–	0.0	–	–	10.8	–	–
97.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	36.5	–	–

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0 50.0	-	0.0	-	0.0	-	-	0.0	-	-	74.1	-	-
97.0 55.0	-	0.0	-	0.0	-	-	0.0	-	-	3.1	-	-
97.0 65.0	-	0.0	-	0.0	-	-	0.0	-	-	18.2	-	-
97.0 70.0	-	0.0	-	0.0	-	-	0.0	-	-	18.6	-	-
97.0 80.0	-	0.0	-	0.0	-	-	2.9	-	-	244.4	-	-
97.0 90.0	-	0.0	-	0.0	-	-	-	-	-	621.5	-	-
100.0 35.0	-	0.0	-	-	0.0	-	0.0	-	-	4.9	-	-
100.0 40.0	-	0.0	-	-	0.0	-	9.4	-	-	17.3	-	-
100.0 45.0	-	0.0	-	-	0.0	-	5.7	-	-	0.0	-	-
100.0 60.0	-	0.0	-	-	0.0	-	8.8	-	-	5.4	-	-
100.0 65.0	-	0.0	-	-	0.0	-	0.0	-	-	13.9	-	-
100.0 70.0	-	15.1	-	-	0.0	-	207.0	-	-	2.7	-	-
100.0 80.0	-	21.0	-	-	8.4	-	40.2	-	-	53.6	-	-
100.0 90.0	-	3.0	-	-	3.0	-	128.5	-	-	14.1	-	-
100.0 100.0	-	8.7	-	-	13.9	-	-	-	-	-	-	-
100.0 120.0	-	8.4	-	-	16.7	-	-	-	-	-	-	-
103.0 30.0	-	0.0	-	0.0	-	-	0.0	-	-	3.3	-	-
103.0 35.0	-	0.0	-	0.0	-	-	0.0	-	-	2.8	-	-
103.0 45.0	-	0.0	-	3.0	-	-	0.0	-	-	0.0	-	-
103.0 50.0	-	9.3	-	0.0	-	-	0.0	-	-	22.7	-	-
103.0 55.0	-	11.4	-	0.0	-	-	0.0	-	-	82.8	-	-
103.0 60.0	-	0.0	-	28.7	-	-	0.0	-	-	105.7	-	-
103.0 65.0	-	0.0	-	109.6	-	-	212.3	-	-	406.8	-	-
103.0 70.0	-	15.1	-	37.2	-	-	220.5	-	-	1189.9	-	-
103.0 80.0	-	48.3	-	21.3	-	-	146.9	-	-	133.3	-	-
103.0 90.0	-	3.1	-	3.1	-	-	211.7	-	-	90.1	-	-
107.0 32.0	-	0.0	-	0.0	-	-	18.5	-	-	2.9	-	-
107.0 50.0	-	3.1	-	0.0	-	-	0.0	-	-	5.5	-	-
107.0 55.0	-	6.6	-	0.0	-	-	0.0	-	-	14.1	-	-
107.0 60.0	-	34.9	-	5.8	-	-	0.0	-	-	30.1	-	-
107.0 65.0	-	32.2	-	0.0	-	-	110.3	-	-	659.0	-	-
107.0 70.0	-	30.8	-	2.9	-	-	54.7	-	-	448.4	-	-
107.0 80.0	-	19.1	-	2.8	-	-	178.8	-	-	434.0	-	-
107.0 90.0	-	25.7	-	5.9	-	-	63.0	-	-	250.2	-	-
110.0 32.0	-	0.0	-	-	0.0	-	0.0	-	-	21.8	-	-
110.0 35.0	-	0.0	-	-	0.0	-	0.0	-	-	84.3	-	-
110.0 45.0	-	0.0	-	-	0.0	-	5.7	-	-	8.3	-	-
110.0 50.0	-	0.0	-	-	2.9	-	5.7	-	-	11.1	-	-
110.0 55.0	-	2.9	-	-	5.5	-	0.0	-	-	5.7	-	-
110.0 60.0	-	0.0	-	-	0.0	-	0.0	-	-	74.0	-	-
110.0 65.0	-	2.9	-	-	0.0	-	2.9	-	-	308.0	-	-
110.0 70.0	-	3.1	-	-	2.5	-	0.0	-	-	177.9	-	-
110.0 80.0	-	0.0	-	-	2.9	-	47.7	-	-	50.0	-	-
110.0 90.0	-	5.8	-	-	387.4	-	18.1	-	-	11.0	-	-
110.0 100.0	-	8.5	-	-	30.5	-	-	-	-	-	-	-
110.0 120.0	-	18.7	-	-	139.8	-	-	-	-	-	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	28.5	-	-	-	1.3	-	-	-	-	-	0.0	-	-
113.0	29.0	-	-	-	0.0	-	-	0.0	-	-	0.4	-	-
113.0	30.0	-	0.0	-	0.0	-	-	0.0	-	-	1.6	-	-
113.0	35.0	-	0.0	-	0.0	-	-	0.0	-	-	30.1	-	-
113.0	40.0	-	0.0	-	0.0	-	-	0.0	-	-	89.3	-	-
113.0	45.0	-	0.0	-	0.0	-	-	0.0	-	-	21.1	-	-
113.0	50.0	-	0.0	-	0.0	-	-	0.0	-	-	37.0	-	-
113.0	55.0	-	3.2	-	0.0	-	-	0.0	-	-	32.2	-	-
113.0	60.0	-	22.2	-	2.9	-	-	0.0	-	-	176.2	-	-
113.0	65.0	-	0.0	-	0.0	-	-	352.2	-	-	367.1	-	-
113.0	70.0	-	5.5	-	0.0	-	-	0.0	-	-	155.0	-	-
113.0	80.0	-	2.9	-	5.9	-	-	24.8	-	-	305.9	-	-
113.0	90.0	-	12.6	-	158.5	-	-	770.6	-	-	-	-	-
117.0	24.8	-	-	-	0.0	-	-	0.0	-	-	0.3	-	-
117.0	30.0	-	0.0	-	0.0	-	-	0.0	-	-	2.9	-	-
117.0	35.0	-	0.0	-	0.0	-	-	0.0	-	-	61.3	-	-
117.0	40.0	-	0.0	-	2.3	-	-	0.0	-	-	42.5	-	-
117.0	45.0	-	2.9	-	14.6	-	-	0.0	-	-	111.8	-	-
117.0	50.0	-	10.1	-	5.2	-	-	0.0	-	-	125.2	-	-
117.0	55.0	-	0.0	-	6.1	-	-	0.0	-	-	117.7	-	-
117.0	60.0	-	0.0	-	19.8	-	-	266.8	-	-	104.9	-	-
117.0	65.0	-	0.0	-	27.4	-	-	523.9	-	-	36.8	-	-
117.0	70.0	-	0.0	-	8.7	-	-	747.8	-	-	78.7	-	-
117.0	80.0	-	15.8	-	41.2	-	-	189.1	-	-	29.9	-	-
117.0	90.0	-	8.9	-	118.5	-	-	195.4	-	-	-	-	-
118.0	39.0	-	0.0	-	0.0	-	-	0.0	-	-	5.7	-	-
120.0	45.0	-	23.6	-	-	0.0	-	0.0	-	-	0.0	-	-
120.0	50.0	-	38.5	-	-	0.0	-	20.5	-	-	0.0	-	-
120.0	55.0	-	57.8	-	-	0.0	-	0.0	-	-	11.0	-	-
120.0	60.0	-	13.9	-	-	0.0	-	1284.8	-	-	10.5	-	-
120.0	65.0	-	2.9	-	-	0.0	-	264.0	-	-	41.9	-	-
120.0	70.0	-	41.1	-	-	0.0	-	-	440.8	-	31.9	-	-
120.0	80.0	-	54.9	-	-	2.8	-	-	80.7	-	-	-	-
120.0	90.0	-	94.3	-	-	94.7	-	-	-	-	-	-	-
120.0	100.0	-	56.7	-	-	65.5	-	-	-	-	-	-	-
120.0	120.0	-	32.3	-	-	200.6	-	-	-	-	-	-	-
123.0	36.0	-	-	-	2.4	-	-	-	2.2	-	0.0	-	-
123.0	37.0	-	0.0	-	0.0	-	-	-	0.0	-	2.4	-	-
123.0	42.0	-	0.0	-	0.0	75.6	-	-	686.9	-	30.8	-	-
123.0	45.0	-	0.0	-	0.0	-	-	-	35.6	-	33.5	-	-
123.0	50.0	-	0.0	-	2.8	-	-	-	281.2	-	23.7	-	-
123.0	55.0	-	38.2	-	6.0	-	-	-	1284.0	-	5.5	-	-
123.0	60.0	-	15.1	-	10.8	-	-	-	977.0	-	13.7	-	-
123.0	65.0	-	35.0	-	23.7	-	-	-	837.5	-	16.8	-	-
123.0	70.0	-	57.6	-	96.3	-	-	-	495.8	-	29.8	-	-
123.0	80.0	-	45.3	-	34.3	-	-	-	154.2	-	-	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	40.0	-	112.1	-	0.0	11.2	-	-	505.8	-	13.3	-	-
127.0	45.0	-	102.7	-	2.9	-	-	-	250.3	-	22.6	-	-
127.0	50.0	-	62.0	-	3.0	-	-	-	48.1	-	36.7	-	-
127.0	55.0	-	22.7	-	28.3	-	-	-	694.6	-	31.0	-	-
127.0	60.0	-	14.6	-	6.0	-	-	-	469.8	-	146.2	-	-
127.0	65.0	-	96.3	-	2.9	-	-	-	539.9	-	56.6	-	-
127.0	70.0	-	63.4	-	0.0	-	-	-	416.1	-	125.6	-	-
127.0	80.0	-	60.6	-	0.0	-	-	-	275.7	-	-	-	-
130.0	28.0	-	-	-	-	0.0	-	-	54.1	-	0.0	-	-
130.0	30.0	-	214.0	-	-	0.0	-	-	112.3	-	2.5	-	-
130.0	35.0	-	97.3	-	-	0.0	-	-	520.0	-	11.8	-	-
130.0	40.0	-	321.5	-	-	0.0	-	-	705.6	-	19.2	-	-
130.0	45.0	-	16.6	-	-	0.0	-	-	1054.3	-	61.8	-	-
130.0	50.0	-	80.1	-	-	5.5	-	-	95.7	-	48.8	-	-
130.0	55.0	-	30.3	-	-	0.0	-	-	186.4	-	5.7	-	-
130.0	60.0	-	10.2	-	-	21.3	-	-	241.5	-	25.6	-	-
130.0	65.0	-	-	-	-	-	-	-	378.8	-	8.5	-	-
130.0	70.0	-	206.2	-	-	67.9	-	-	2422.4	-	18.2	-	-
130.0	80.0	-	53.4	-	-	130.2	-	-	635.4	-	-	-	-
130.0	90.0	-	83.7	-	-	213.1	-	-	-	-	-	-	-
130.0	100.0	-	203.8	-	-	216.5	-	-	-	-	-	-	-
130.0	120.0	-	65.2	-	-	80.6	-	-	-	-	-	-	-
133.0	25.0	-	21.8	-	0.0	-	-	-	0.0	-	0.0	-	-
133.0	30.0	-	9.7	-	0.0	-	-	-	0.0	-	2.8	-	-
133.0	35.0	-	45.6	-	0.0	-	-	-	5.7	-	36.3	-	-
133.0	40.0	-	62.8	-	2.9	-	-	-	1673.6	-	127.4	-	-
133.0	45.0	-	8.5	-	0.0	-	-	-	1085.3	-	48.6	-	-
133.0	50.0	-	3.1	-	0.0	-	-	-	312.4	-	2.8	-	-
133.0	55.0	-	3.1	-	66.5	-	-	-	250.8	-	11.5	-	-
133.0	60.0	-	0.0	-	15.4	-	-	-	267.5	-	22.3	-	-
133.0	65.0	-	6.0	-	-	79.1	-	-	620.9	-	-	-	-
133.0	70.0	-	9.4	-	-	52.2	-	-	589.0	-	-	-	-
133.0	80.0	-	9.2	-	-	21.4	-	-	959.8	-	-	-	-
137.0	23.0	-	0.0	-	-	2.7	-	-	-	-	2.4	-	-
137.0	35.0	-	3.3	-	-	0.0	-	-	-	-	38.2	-	-
137.0	40.0	-	3.2	-	-	0.0	-	-	-	-	81.9	-	-
137.0	45.0	-	48.3	-	-	0.0	-	-	-	-	228.7	-	-
137.0	50.0	-	233.2	-	-	0.0	-	-	439.3	-	157.8	-	-
137.0	55.0	-	0.0	-	-	0.0	-	-	151.7	-	84.0	-	-
137.0	60.0	-	9.9	-	-	0.0	-	-	221.2	-	10.8	-	-
137.0	65.0	-	-	-	-	-	-	-	139.8	-	-	-	-
137.0	70.0	-	43.4	-	-	10.4	-	-	311.9	-	-	-	-
137.0	80.0	-	49.3	-	-	98.1	-	-	1050.0	-	-	-	-
140.0	35.0	-	45.0	-	-	0.0	-	-	-	-	-	-	-
140.0	40.0	-	11.1	-	-	5.9	-	-	-	-	-	-	-
140.0	45.0	-	28.5	-	-	14.0	-	-	-	-	-	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
140.0 50.0	–	33.2	–	–	17.1	–	–	–	–	–	–	–

Vinciguerria poweriae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 140.0	0.0	–	–	5.7	–	–	–	–	–	–	–	–
90.0 180.0	0.0	–	–	5.5	–	–	–	–	–	–	–	–
90.0 200.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–

Woodsia nonsuchae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 140.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–

Sternoptychidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 140.0	2.9	–	–	0.0	–	–	–	–	–	–	–	–
70.0 200.0	8.6	–	–	2.7	–	–	–	–	–	–	–	–
80.0 55.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
80.0 200.0	5.7	–	–	0.0	–	–	–	–	–	–	–	–
83.0 80.0	3.1	–	–	0.0	–	–	0.0	–	–	0.0	–	–
90.0 120.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
90.0 180.0	2.7	–	–	11.0	–	–	–	–	–	–	–	–
93.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.5	–	–
93.0 120.0	–	6.1	–	–	–	–	–	–	–	–	–	–
97.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
97.0 110.0	–	5.9	–	–	–	–	–	–	–	–	–	–
100.0 70.0	–	0.0	–	–	2.4	–	0.0	–	–	0.0	–	–
103.0 60.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
107.0 32.0	–	0.0	–	0.0	–	–	0.0	–	–	5.7	–	–
107.0 35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
107.0 70.0	–	3.1	–	0.0	–	–	0.0	–	–	2.8	–	–
107.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
110.0 70.0	–	0.0	–	–	2.5	–	0.0	–	–	0.0	–	–
110.0 80.0	–	0.0	–	–	2.9	–	0.0	–	–	0.0	–	–
117.0 80.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0 90.0	–	5.9	–	0.0	–	–	0.0	–	–	–	–	–
120.0 55.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0 60.0	–	0.0	–	–	0.0	–	3.4	–	–	0.0	–	–
123.0 42.0	–	0.0	–	3.2	0.0	–	–	9.5	–	0.0	–	–
123.0 45.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
127.0 40.0	–	9.1	–	0.0	0.0	–	–	0.0	–	0.0	–	–

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0 45.0	–	0.0	–	2.9	–	–	–	0.0	–	0.0	–	–
127.0 60.0	–	0.0	–	0.0	–	–	–	3.4	–	0.0	–	–
130.0 35.0	–	9.4	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0 40.0	–	10.3	–	–	0.0	–	–	0.0	–	2.7	–	–
130.0 45.0	–	6.7	–	–	0.0	–	–	0.0	–	0.0	–	–
133.0 35.0	–	0.0	–	0.0	–	–	–	5.7	–	0.0	–	–
133.0 40.0	–	0.0	–	0.0	–	–	–	0.0	–	2.7	–	–
133.0 50.0	–	0.0	–	0.0	–	–	–	8.8	–	0.0	–	–
133.0 70.0	–	0.0	–	–	2.9	–	–	0.0	–	–	–	–
137.0 40.0	–	0.0	–	–	5.5	–	–	–	–	0.0	–	–
137.0 45.0	–	0.0	–	–	2.8	–	–	–	–	0.0	–	–
137.0 50.0	–	0.0	–	–	0.0	–	–	5.8	–	0.0	–	–
137.0 55.0	–	0.0	–	–	0.0	–	–	5.6	–	2.7	–	–

Chauliodus macouni

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 90.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
60.0 140.0	0.0	–	–	2.7	–	–	–	–	–	–	–	–
63.0 60.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
67.0 60.0	3.2	–	–	0.0	–	–	–	–	–	–	–	–
70.0 52.0	–	–	–	5.2	–	–	–	–	–	–	–	–
70.0 53.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
70.0 70.0	3.0	–	–	5.4	–	–	–	–	–	–	–	–
73.0 53.0	0.0	–	–	3.1	–	–	–	–	–	–	–	–
77.0 55.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
80.0 70.0	0.0	–	–	0.0	–	–	5.3	–	–	0.0	–	–
80.0 90.0	0.0	–	–	3.0	–	–	0.0	–	–	0.0	–	–
83.0 70.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
83.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
83.0 105.0	–	5.8	–	–	–	–	–	–	–	–	–	–
87.0 60.0	–	3.0	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 65.0	–	0.0	–	7.9	–	–	0.0	–	–	0.0	–	–
87.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
87.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	5.6	–	–
87.0 115.0	–	3.4	–	–	–	–	–	–	–	–	–	–
90.0 70.0	0.0	–	–	–	0.0	–	3.0	–	–	0.0	–	–
93.0 40.0	–	0.0	–	0.0	–	–	6.1	–	–	0.0	–	–
93.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
97.0 50.0	–	0.0	–	0.0	–	–	4.2	–	–	0.0	–	–
100.0 55.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 70.0	–	0.0	–	–	0.0	–	3.1	–	–	0.0	–	–
107.0 55.0	–	0.0	–	0.0	–	–	6.3	–	–	0.0	–	–
110.0 65.0	–	2.9	–	–	0.0	–	0.0	–	–	0.0	–	–
113.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	5.4	–	–

TABLE 4. (cont.)

Chauliodus macouni (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0 45.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
130.0 40.0	–	0.0	–	–	0.0	–	–	3.2	–	0.0	–	–

Idiacanthus antrostomus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 180.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
70.0 120.0	2.5	–	–	0.0	–	–	–	–	–	–	–	–
80.0 75.0	2.9	–	–	–	–	–	–	–	–	–	–	–
80.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	2.8	–	–
80.0 100.0	5.5	–	–	0.0	–	–	–	–	–	–	–	–
83.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	10.4	–	–
87.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	5.6	–	–
93.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.5	–	–
93.0 90.0	–	0.0	–	0.0	–	–	–	–	–	7.5	–	–
93.0 100.0	–	3.0	–	–	–	–	–	–	–	–	–	–
100.0 65.0	–	0.0	–	–	0.0	–	3.3	–	–	0.0	–	–
100.0 90.0	–	0.0	–	–	0.0	–	2.9	–	–	2.8	–	–
103.0 65.0	–	0.0	–	0.0	–	–	3.0	–	–	2.7	–	–
107.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
107.0 80.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
110.0 55.0	–	0.0	–	–	2.7	–	0.0	–	–	0.0	–	–
110.0 65.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
110.0 80.0	–	0.0	–	–	0.0	–	0.0	–	–	5.6	–	–
117.0 55.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
120.0 90.0	–	3.3	–	–	0.0	–	–	–	–	–	–	–
120.0 120.0	–	6.5	–	–	0.0	–	–	–	–	–	–	–
130.0 70.0	–	0.0	–	–	0.0	–	–	2.9	–	0.0	–	–
130.0 80.0	–	0.0	–	–	0.0	–	–	6.1	–	–	–	–
137.0 80.0	–	0.0	–	–	2.7	–	–	0.0	–	–	–	–

Aristostomias scintillans

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 180.0	0.0	–	–	5.6	–	–	–	–	–	–	–	–
60.0 200.0	0.0	–	–	5.5	–	–	–	–	–	–	–	–
70.0 200.0	0.0	–	–	2.7	–	–	–	–	–	–	–	–
90.0 110.0	2.7	–	–	–	–	–	–	–	–	–	–	–
97.0 90.0	–	0.0	–	0.0	–	–	–	–	–	2.8	–	–
97.0 110.0	–	3.0	–	–	–	–	–	–	–	–	–	–
100.0 90.0	–	0.0	–	–	3.0	–	0.0	–	–	0.0	–	–
103.0 65.0	–	0.0	–	2.7	–	–	0.0	–	–	0.0	–	–
110.0 120.0	–	0.0	–	–	2.4	–	–	–	–	–	–	–

TABLE 4. (cont.)

Bathophilus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 160.0	0.0	–	–	2.9	–	–	–	–	–	–	–	–
70.0 200.0	2.8	–	–	0.0	–	–	–	–	–	–	–	–
80.0 200.0	0.0	–	–	1.8	–	–	–	–	–	–	–	–
90.0 140.0	2.6	–	–	0.0	–	–	–	–	–	–	–	–

Photonectes spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 180.0	0.0	–	–	11.2	–	–	–	–	–	–	–	–
70.0 200.0	0.0	–	–	5.3	–	–	–	–	–	–	–	–

Stomias atriventer

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0 200.0	2.8	–	–	0.0	–	–	–	–	–	–	–	–
87.0 34.0	–	–	–	1.7	–	–	0.0	–	–	0.0	–	–
93.0 35.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
100.0 65.0	–	0.0	–	–	0.0	–	3.3	–	–	0.0	–	–
100.0 70.0	–	0.0	–	–	0.0	–	6.2	–	–	0.0	–	–
100.0 80.0	–	12.0	–	–	0.0	–	0.0	–	–	0.0	–	–
103.0 35.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
103.0 40.0	–	0.0	–	0.0	–	–	3.2	–	–	0.0	–	–
103.0 50.0	–	6.2	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0 60.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
103.0 65.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
103.0 70.0	–	6.1	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0 80.0	–	12.1	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 40.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 45.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
107.0 60.0	–	6.3	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 65.0	–	16.1	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 70.0	–	12.3	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 90.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
110.0 35.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–
110.0 45.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
110.0 65.0	–	11.6	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0 90.0	–	8.7	–	–	5.2	–	0.0	–	–	0.0	–	–
110.0 100.0	–	5.7	–	–	0.0	–	–	–	–	–	–	–
113.0 35.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
113.0 60.0	–	15.9	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0 65.0	–	6.1	–	0.0	–	–	3.0	–	–	2.7	–	–
113.0 90.0	–	9.4	–	0.0	–	–	0.0	–	–	–	–	–
117.0 35.0	–	0.0	–	0.0	–	–	0.0	–	–	5.8	–	–
117.0 40.0	–	0.0	–	2.3	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Stomias atriventer (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	65.0	–	0.0	–	9.1	–	–	3.0	–	–	0.0	–	–
117.0	70.0	–	0.0	–	0.0	–	–	6.1	–	–	0.0	–	–
117.0	80.0	–	12.6	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	90.0	–	3.0	–	0.0	–	–	0.0	–	–	–	–	–
120.0	45.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0	50.0	–	14.8	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0	55.0	–	15.2	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0	60.0	–	2.8	–	–	2.8	–	10.2	–	–	0.0	–	–
120.0	65.0	–	5.8	–	–	2.7	–	0.0	–	–	0.0	–	–
120.0	70.0	–	6.3	–	–	2.9	–	–	6.1	–	0.0	–	–
120.0	80.0	–	6.9	–	–	2.8	–	–	0.0	–	–	–	–
120.0	90.0	–	6.5	–	–	0.0	–	–	–	–	–	–	–
123.0	42.0	–	0.0	–	0.0	2.2	–	–	3.2	–	0.0	–	–
123.0	45.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
123.0	55.0	–	3.2	–	0.0	–	–	–	0.0	–	2.8	–	–
123.0	60.0	–	0.0	–	0.0	–	–	–	2.8	–	2.7	–	–
123.0	65.0	–	9.5	–	0.0	–	–	–	3.0	–	2.8	–	–
123.0	70.0	–	3.0	–	0.0	–	–	–	0.0	–	2.7	–	–
123.0	80.0	–	0.0	–	0.0	–	–	–	8.7	–	–	–	–
127.0	40.0	–	3.0	–	0.0	2.8	–	–	4.2	–	0.0	–	–
127.0	50.0	–	0.0	–	6.0	–	–	–	4.0	–	0.0	–	–
127.0	55.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
127.0	60.0	–	0.0	–	0.0	–	–	–	6.8	–	0.0	–	–
127.0	65.0	–	0.0	–	0.0	–	–	–	5.9	–	0.0	–	–
127.0	80.0	–	3.2	–	0.0	–	–	–	0.0	–	–	–	–
130.0	35.0	–	6.3	–	–	0.0	–	–	3.3	–	0.0	–	–
130.0	45.0	–	3.3	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0	50.0	–	15.4	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0	60.0	–	0.0	–	–	0.0	–	–	0.0	–	5.7	–	–
130.0	70.0	–	6.8	–	–	0.0	–	–	0.0	–	2.6	–	–
130.0	80.0	–	0.0	–	–	0.0	–	–	3.0	–	–	–	–
130.0	90.0	–	3.2	–	–	2.9	–	–	–	–	–	–	–
130.0	100.0	–	2.9	–	–	0.0	–	–	–	–	–	–	–
133.0	35.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0	40.0	–	0.0	–	0.0	–	–	–	12.6	–	0.0	–	–
133.0	45.0	–	0.0	–	0.0	–	–	–	6.1	–	0.0	–	–
133.0	50.0	–	0.0	–	0.0	–	–	–	8.8	–	0.0	–	–
133.0	55.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
133.0	60.0	–	0.0	–	0.0	–	–	–	2.9	–	0.0	–	–
133.0	70.0	–	3.1	–	–	0.0	–	–	2.5	–	–	–	–
137.0	45.0	–	0.0	–	–	0.0	–	–	–	–	5.4	–	–
137.0	55.0	–	0.0	–	–	0.0	–	–	2.8	–	5.4	–	–
137.0	80.0	–	3.3	–	–	0.0	–	–	3.0	–	–	–	–

TABLE 4. (cont.)

Evermannellidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0 80.0	–	0.0	–	–	0.0	–	–	3.0	–	–	–	–

Paralepididae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 80.0	5.9	–	–	0.0	–	–	–	–	–	–	–	–
83.0 55.0	0.0	–	–	3.2	–	–	0.0	–	–	0.0	–	–
90.0 80.0	0.0	–	–	–	0.0	–	0.0	–	–	2.8	–	–
90.0 130.0	2.9	–	–	–	–	–	–	–	–	–	–	–
120.0 65.0	–	0.0	–	–	0.0	–	3.3	–	–	0.0	–	–

Lestidiops ringens

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 80.0	3.1	–	–	0.0	–	–	–	–	–	–	–	–
60.0 90.0	0.0	–	–	7.0	–	–	–	–	–	–	–	–
60.0 120.0	0.0	–	–	3.1	–	–	–	–	–	–	–	–
60.0 200.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
70.0 70.0	0.0	–	–	10.9	–	–	–	–	–	–	–	–
70.0 80.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
70.0 200.0	5.7	–	–	0.0	–	–	–	–	–	–	–	–
80.0 55.0	3.0	–	–	0.0	–	–	0.0	–	–	0.0	–	–
80.0 75.0	2.9	–	–	–	–	–	–	–	–	–	–	–
80.0 80.0	0.0	–	–	0.0	–	–	5.5	–	–	0.0	–	–
80.0 200.0	0.0	–	–	1.8	–	–	–	–	–	–	–	–
83.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	5.2	–	–
83.0 115.0	–	13.2	–	–	–	–	–	–	–	–	–	–
83.0 120.0	–	3.1	–	–	–	–	–	–	–	–	–	–
87.0 65.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
87.0 85.0	–	3.4	–	–	–	–	–	–	–	–	–	–
87.0 90.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
87.0 100.0	–	3.3	–	–	–	–	–	–	–	–	–	–
87.0 105.0	–	3.2	–	–	–	–	–	–	–	–	–	–
87.0 110.0	–	3.5	–	–	–	–	–	–	–	–	–	–
90.0 70.0	0.0	–	–	–	0.0	–	0.0	–	–	2.7	–	–
90.0 90.0	0.0	–	–	0.0	–	–	0.0	–	–	5.3	–	–
90.0 100.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
90.0 110.0	2.7	–	–	–	–	–	–	–	–	–	–	–
90.0 120.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
90.0 200.0	2.7	–	–	0.0	–	–	–	–	–	–	–	–
93.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
97.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
97.0 55.0	–	3.3	–	2.9	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Lestidiops ringens (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0 90.0	–	3.0	–	0.0	–	–	–	–	–	0.0	–	–
100.0 45.0	–	0.0	–	–	0.0	–	2.8	–	–	0.0	–	–
100.0 60.0	–	0.0	–	–	2.8	–	2.9	–	–	2.7	–	–
100.0 65.0	–	0.0	–	–	0.0	–	0.0	–	–	5.5	–	–
100.0 70.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–
100.0 80.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
100.0 120.0	–	2.8	–	–	0.0	–	–	–	–	–	–	–
103.0 65.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
103.0 70.0	–	3.0	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 65.0	–	6.4	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0 70.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 80.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
110.0 35.0	–	0.0	–	–	0.0	–	2.5	–	–	0.0	–	–
110.0 55.0	–	0.0	–	–	0.0	–	0.0	–	–	2.9	–	–
110.0 60.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–
113.0 55.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0 80.0	–	2.9	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0 45.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
117.0 55.0	–	0.0	–	0.0	–	–	0.0	–	–	8.6	–	–
117.0 80.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0 90.0	–	0.0	–	0.0	–	–	3.0	–	–	–	–	–
120.0 70.0	–	0.0	–	–	0.0	–	–	3.0	–	0.0	–	–
123.0 60.0	–	0.0	–	0.0	–	–	–	5.7	–	0.0	–	–
130.0 45.0	–	0.0	–	–	0.0	–	–	3.4	–	0.0	–	–

Notolepis risso

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 200.0	5.7	–	–	0.0	–	–	–	–	–	–	–	–
80.0 100.0	2.7	–	–	0.0	–	–	–	–	–	–	–	–
87.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
90.0 140.0	0.0	–	–	8.6	–	–	–	–	–	–	–	–
90.0 180.0	0.0	–	–	5.5	–	–	–	–	–	–	–	–
93.0 90.0	–	0.0	–	0.0	–	–	–	–	–	2.5	–	–
103.0 60.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
110.0 55.0	–	0.0	–	–	2.7	–	0.0	–	–	0.0	–	–
117.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	5.2	–	–

Scopelosaurus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0 60.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
90.0 100.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
90.0 140.0	0.0	–	–	8.6	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Scopelosaurus spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0 55.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
97.0 90.0	–	0.0	–	2.9	–	–	–	–	–	0.0	–	–
103.0 65.0	–	0.0	–	2.7	–	–	0.0	–	–	0.0	–	–
110.0 80.0	–	0.0	–	–	2.9	–	0.0	–	–	0.0	–	–
113.0 45.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–

Scopelarchidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 200.0	5.7	–	–	0.0	–	–	–	–	–	–	–	–
80.0 52.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
90.0 110.0	2.7	–	–	–	–	–	–	–	–	–	–	–
90.0 180.0	2.7	–	–	5.5	–	–	–	–	–	–	–	–
90.0 200.0	2.7	–	–	2.8	–	–	–	–	–	–	–	–
93.0 90.0	–	0.0	–	0.0	–	–	–	–	–	2.5	–	–
93.0 120.0	–	3.0	–	–	–	–	–	–	–	–	–	–
97.0 90.0	–	0.0	–	2.9	–	–	–	–	–	0.0	–	–
97.0 110.0	–	3.0	–	–	–	–	–	–	–	–	–	–
97.0 120.0	–	2.7	–	–	–	–	–	–	–	–	–	–
100.0 70.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 80.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
103.0 65.0	–	0.0	–	5.5	–	–	3.0	–	–	0.0	–	–
103.0 70.0	–	0.0	–	0.0	–	–	5.9	–	–	0.0	–	–
103.0 80.0	–	0.0	–	3.0	–	–	0.0	–	–	2.7	–	–
103.0 90.0	–	0.0	–	0.0	–	–	3.2	–	–	8.2	–	–
107.0 55.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
107.0 65.0	–	3.2	–	0.0	–	–	6.3	–	–	0.0	–	–
107.0 80.0	–	0.0	–	2.8	–	–	6.1	–	–	2.6	–	–
107.0 90.0	–	6.4	–	0.0	–	–	0.0	–	–	0.0	–	–
110.0 90.0	–	0.0	–	–	5.2	–	3.0	–	–	0.0	–	–
110.0 100.0	–	0.0	–	–	2.5	–	–	–	–	–	–	–
110.0 120.0	–	0.0	–	–	4.7	–	–	–	–	–	–	–
113.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	3.0	–	–
113.0 55.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0 80.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
117.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
117.0 90.0	–	0.0	–	5.8	–	–	8.9	–	–	–	–	–
120.0 100.0	–	3.2	–	–	0.0	–	–	–	–	–	–	–
120.0 120.0	–	3.2	–	–	0.0	–	–	–	–	–	–	–
123.0 55.0	–	3.2	–	0.0	–	–	–	0.0	–	0.0	–	–
123.0 65.0	–	0.0	–	3.0	–	–	–	0.0	–	0.0	–	–
127.0 80.0	–	0.0	–	0.0	–	–	–	3.0	–	–	–	–
130.0 65.0	–	–	–	–	–	–	–	2.9	–	0.0	–	–
130.0 70.0	–	0.0	–	–	0.0	–	–	2.9	–	0.0	–	–
130.0 80.0	–	0.0	–	–	0.0	–	–	12.2	–	–	–	–

TABLE 4. (cont.)

Scopelarchidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0 40.0	–	0.0	–	0.0	–	–	–	3.1	–	0.0	–	–
133.0 45.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
133.0 55.0	–	0.0	–	2.9	–	–	–	0.0	–	0.0	–	–
133.0 60.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–

Myctophidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 90.0	0.0	–	–	2.3	–	–	–	–	–	–	–	–
60.0 160.0	0.0	–	–	2.9	–	–	–	–	–	–	–	–
60.0 180.0	0.0	–	–	5.6	–	–	–	–	–	–	–	–
70.0 70.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
70.0 80.0	0.0	–	–	6.0	–	–	–	–	–	–	–	–
70.0 90.0	3.1	–	–	0.0	–	–	–	–	–	–	–	–
70.0 100.0	0.0	–	–	12.4	–	–	–	–	–	–	–	–
70.0 200.0	2.8	–	–	8.0	–	–	–	–	–	–	–	–
80.0 60.0	2.8	–	–	0.0	–	–	0.0	–	–	0.0	–	–
80.0 110.0	8.6	–	–	–	–	–	–	–	–	–	–	–
80.0 120.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
83.0 70.0	0.0	–	–	0.0	–	–	5.2	–	–	0.0	–	–
87.0 32.5	–	–	–	1.2	–	–	0.0	–	–	0.0	–	–
87.0 55.0	–	0.0	–	0.0	–	–	5.7	–	–	0.0	–	–
87.0 85.0	–	3.4	–	–	–	–	–	–	–	–	–	–
90.0 37.0	–	0.0	–	–	0.0	–	2.7	–	–	0.0	–	–
90.0 60.0	–	0.0	–	–	0.0	–	6.1	–	–	0.0	–	–
90.0 160.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
90.0 200.0	5.3	–	–	0.0	–	–	–	–	–	–	–	–
93.0 40.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
93.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
93.0 65.0	–	0.0	–	3.0	–	–	0.0	–	–	2.7	–	–
93.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	7.5	–	–
93.0 120.0	–	3.0	–	–	–	–	–	–	–	–	–	–
97.0 35.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
97.0 55.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0 65.0	–	0.0	–	2.8	–	–	0.0	–	–	6.1	–	–
97.0 80.0	–	3.1	–	0.0	–	–	2.9	–	–	2.3	–	–
100.0 35.0	–	0.0	–	–	0.0	–	5.7	–	–	9.9	–	–
100.0 40.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 45.0	–	0.0	–	–	6.0	–	0.0	–	–	0.0	–	–
100.0 55.0	–	0.0	–	–	0.0	–	8.6	–	–	0.0	–	–
100.0 60.0	–	0.0	–	–	2.8	–	2.9	–	–	0.0	–	–
100.0 65.0	–	0.0	–	–	0.0	–	9.9	–	–	0.0	–	–
100.0 70.0	–	0.0	–	–	33.7	–	0.0	–	–	5.4	–	–
100.0 90.0	–	0.0	–	–	0.0	–	5.8	–	–	0.0	–	–
103.0 35.0	–	0.0	–	0.0	–	–	0.0	–	–	11.1	–	–

TABLE 4. (cont.)

Myctophidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	50.0	-	0.0	-	0.0	-	-	0.0	-	-	2.8	-	-
103.0	55.0	-	0.0	-	3.0	-	-	0.0	-	-	0.0	-	-
103.0	60.0	-	0.0	-	5.7	-	-	0.0	-	-	0.0	-	-
103.0	65.0	-	0.0	-	0.0	-	-	6.0	-	-	16.4	-	-
103.0	70.0	-	0.0	-	2.9	-	-	8.8	-	-	0.0	-	-
103.0	80.0	-	0.0	-	0.0	-	-	2.9	-	-	8.2	-	-
103.0	90.0	-	0.0	-	0.0	-	-	0.0	-	-	2.7	-	-
107.0	30.0	-	-	-	0.8	-	-	0.0	-	-	0.0	-	-
107.0	40.0	-	3.3	-	3.0	-	-	0.0	-	-	0.0	-	-
107.0	45.0	-	0.0	-	0.0	-	-	0.0	-	-	2.8	-	-
107.0	55.0	-	3.3	-	0.0	-	-	0.0	-	-	0.0	-	-
107.0	65.0	-	0.0	-	0.0	-	-	0.0	-	-	5.4	-	-
107.0	80.0	-	3.2	-	2.8	-	-	3.0	-	-	5.3	-	-
107.0	90.0	-	0.0	-	0.0	-	-	3.0	-	-	13.9	-	-
110.0	32.0	-	0.0	-	-	0.0	-	0.0	-	-	4.1	-	-
110.0	35.0	-	0.0	-	-	2.4	-	0.0	-	-	2.7	-	-
110.0	45.0	-	0.0	-	-	2.8	-	0.0	-	-	0.0	-	-
110.0	60.0	-	0.0	-	-	0.0	-	0.0	-	-	16.4	-	-
110.0	65.0	-	0.0	-	-	2.8	-	0.0	-	-	0.0	-	-
110.0	80.0	-	0.0	-	-	0.0	-	3.2	-	-	0.0	-	-
110.0	90.0	-	5.8	-	-	13.0	-	0.0	-	-	2.7	-	-
110.0	120.0	-	3.1	-	-	0.0	-	-	-	-	-	-	-
113.0	40.0	-	9.3	-	0.0	-	-	0.0	-	-	2.8	-	-
113.0	45.0	-	3.2	-	0.0	-	-	0.0	-	-	6.0	-	-
113.0	50.0	-	0.0	-	9.0	-	-	0.0	-	-	0.0	-	-
113.0	65.0	-	0.0	-	0.0	-	-	20.7	-	-	8.0	-	-
113.0	70.0	-	5.5	-	0.0	-	-	0.0	-	-	5.4	-	-
113.0	90.0	-	0.0	-	2.8	-	-	0.0	-	-	-	-	-
117.0	35.0	-	0.0	-	0.0	-	-	8.7	-	-	0.0	-	-
117.0	40.0	-	0.0	-	0.0	-	-	0.0	-	-	2.8	-	-
117.0	55.0	-	0.0	-	0.0	-	-	0.0	-	-	2.9	-	-
117.0	60.0	-	0.0	-	0.0	-	-	5.5	-	-	2.7	-	-
117.0	70.0	-	3.2	-	0.0	-	-	0.0	-	-	0.0	-	-
117.0	90.0	-	0.0	-	0.0	-	-	14.8	-	-	-	-	-
119.0	33.0	-	2.5	-	-	0.0	-	0.0	-	-	0.0	-	-
120.0	45.0	-	8.9	-	-	0.0	-	0.0	-	-	2.8	-	-
120.0	50.0	-	3.0	-	-	0.0	-	0.0	-	-	0.0	-	-
120.0	55.0	-	3.0	-	-	0.0	-	0.0	-	-	3.7	-	-
120.0	60.0	-	0.0	-	-	0.0	-	3.4	-	-	0.0	-	-
120.0	65.0	-	2.9	-	-	0.0	-	0.0	-	-	0.0	-	-
120.0	70.0	-	3.2	-	-	2.9	-	-	12.2	-	0.0	-	-
120.0	120.0	-	0.0	-	-	3.0	-	-	-	-	-	-	-
123.0	35.6	-	-	-	-	-	-	-	-	-	0.2	-	-
123.0	42.0	-	0.0	-	0.0	0.0	-	-	6.4	-	0.0	-	-
123.0	50.0	-	3.1	-	0.0	-	-	-	0.0	-	0.0	-	-
123.0	55.0	-	0.0	-	0.0	-	-	-	9.0	-	0.0	-	-

TABLE 4. (cont.)

Myctophidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	60.0	-	3.0	-	2.7	-	-	-	8.5	-	0.0	-	-
123.0	65.0	-	0.0	-	0.0	-	-	-	32.7	-	0.0	-	-
123.0	70.0	-	0.0	-	0.0	-	-	-	2.7	-	0.0	-	-
123.0	80.0	-	0.0	-	0.0	-	-	-	17.5	-	-	-	-
127.0	40.0	-	6.1	-	0.0	0.0	-	-	0.0	-	0.0	-	-
127.0	45.0	-	0.0	-	0.0	-	-	-	8.9	-	0.0	-	-
127.0	55.0	-	5.7	-	3.1	-	-	-	45.3	-	0.0	-	-
127.0	60.0	-	0.0	-	6.0	-	-	-	16.9	-	15.7	-	-
127.0	65.0	-	0.0	-	2.9	-	-	-	0.0	-	0.0	-	-
127.0	70.0	-	23.0	-	0.0	-	-	-	2.9	-	0.0	-	-
130.0	30.0	-	214.0	-	-	0.0	-	-	0.0	-	0.0	-	-
130.0	35.0	-	12.6	-	-	0.0	-	-	0.0	-	0.0	-	-
130.0	40.0	-	44.5	-	-	2.7	-	-	3.2	-	0.0	-	-
130.0	45.0	-	20.0	-	-	0.0	-	-	3.4	-	0.0	-	-
130.0	50.0	-	9.2	-	-	0.0	-	-	3.2	-	0.0	-	-
130.0	55.0	-	0.0	-	-	2.6	-	-	3.2	-	0.0	-	-
130.0	60.0	-	0.0	-	-	0.0	-	-	5.8	-	0.0	-	-
130.0	65.0	-	-	-	-	-	-	-	11.5	-	0.0	-	-
130.0	70.0	-	0.0	-	-	8.5	-	-	42.9	-	0.0	-	-
130.0	80.0	-	26.7	-	-	11.3	-	-	9.1	-	-	-	-
130.0	90.0	-	3.2	-	-	8.6	-	-	-	-	-	-	-
130.0	100.0	-	37.3	-	-	2.5	-	-	-	-	-	-	-
130.0	120.0	-	0.0	-	-	2.8	-	-	-	-	-	-	-
133.0	23.0	-	-	-	0.0	-	-	-	165.8	-	0.0	-	-
133.0	40.0	-	9.0	-	0.0	-	-	-	0.0	-	0.0	-	-
133.0	45.0	-	2.8	-	0.0	-	-	-	73.0	-	0.0	-	-
133.0	50.0	-	3.1	-	0.0	-	-	-	5.8	-	5.6	-	-
133.0	55.0	-	0.0	-	0.0	-	-	-	0.0	-	2.9	-	-
133.0	60.0	-	3.0	-	3.1	-	-	-	29.4	-	0.0	-	-
133.0	65.0	-	0.0	-	-	11.7	-	-	10.5	-	-	-	-
133.0	70.0	-	3.1	-	-	0.0	-	-	0.0	-	-	-	-
133.0	80.0	-	0.0	-	-	0.0	-	-	16.7	-	-	-	-
137.0	45.0	-	6.4	-	-	0.0	-	-	-	-	2.7	-	-
137.0	50.0	-	7.0	-	-	0.0	-	-	0.0	-	0.0	-	-
137.0	55.0	-	0.0	-	-	0.0	-	-	5.6	-	2.7	-	-
137.0	60.0	-	0.0	-	-	2.7	-	-	29.1	-	0.0	-	-
137.0	70.0	-	0.0	-	-	5.2	-	-	16.9	-	-	-	-
140.0	40.0	-	3.7	-	-	0.0	-	-	-	-	-	-	-
140.0	45.0	-	24.9	-	-	0.0	-	-	-	-	-	-	-
140.0	50.0	-	6.6	-	-	2.8	-	-	-	-	-	-	-

Ceratoscopelus townsendi

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	140.0	0.0	-	-	27.3	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 160.0	0.0	–	–	5.7	–	–	–	–	–	–	–	–
60.0 180.0	8.6	–	–	28.0	–	–	–	–	–	–	–	–
60.0 200.0	2.7	–	–	11.1	–	–	–	–	–	–	–	–
70.0 100.0	0.0	–	–	2.5	–	–	–	–	–	–	–	–
70.0 200.0	8.6	–	–	29.4	–	–	–	–	–	–	–	–
80.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	22.1	–	–
80.0 200.0	2.8	–	–	22.8	–	–	–	–	–	–	–	–
83.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	13.0	–	–
83.0 90.0	0.0	–	–	0.0	–	–	0.0	–	–	7.9	–	–
87.0 45.0	–	0.0	–	0.0	–	–	2.8	–	–	0.0	–	–
87.0 55.0	–	0.0	–	0.0	–	–	8.6	–	–	0.0	–	–
87.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
87.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
90.0 80.0	0.0	–	–	–	0.0	–	0.0	–	–	11.2	–	–
90.0 90.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
90.0 100.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
90.0 110.0	10.8	–	–	–	–	–	–	–	–	–	–	–
90.0 120.0	2.5	–	–	19.7	–	–	–	–	–	–	–	–
90.0 130.0	11.5	–	–	–	–	–	–	–	–	–	–	–
90.0 140.0	5.2	–	–	76.9	–	–	–	–	–	–	–	–
90.0 160.0	21.7	–	–	25.0	–	–	–	–	–	–	–	–
90.0 180.0	41.0	–	–	179.4	–	–	–	–	–	–	–	–
90.0 200.0	2.7	–	–	19.3	–	–	–	–	–	–	–	–
93.0 100.0	–	3.0	–	–	–	–	–	–	–	–	–	–
93.0 120.0	–	9.1	–	–	–	–	–	–	–	–	–	–
97.0 40.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
97.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
97.0 80.0	–	6.2	–	0.0	–	–	0.0	–	–	30.5	–	–
97.0 90.0	–	3.0	–	5.8	–	–	–	–	–	77.0	–	–
97.0 110.0	–	17.8	–	–	–	–	–	–	–	–	–	–
100.0 40.0	–	0.0	–	–	0.0	–	0.0	–	–	5.8	–	–
100.0 70.0	–	0.0	–	–	0.0	–	3.1	–	–	0.0	–	–
100.0 80.0	–	3.0	–	–	2.8	–	17.2	–	–	0.0	–	–
100.0 90.0	–	3.0	–	–	0.0	–	5.8	–	–	0.0	–	–
100.0 100.0	–	0.0	–	–	5.5	–	–	–	–	–	–	–
100.0 120.0	–	5.6	–	–	4.8	–	–	–	–	–	–	–
103.0 60.0	–	0.0	–	5.7	–	–	0.0	–	–	2.7	–	–
103.0 65.0	–	0.0	–	2.7	–	–	6.0	–	–	13.7	–	–
103.0 70.0	–	0.0	–	2.9	–	–	35.3	–	–	18.8	–	–
103.0 80.0	–	3.0	–	0.0	–	–	46.1	–	–	0.0	–	–
103.0 90.0	–	3.1	–	0.0	–	–	12.6	–	–	0.0	–	–
107.0 65.0	–	0.0	–	0.0	–	–	15.8	–	–	67.3	–	–
107.0 70.0	–	0.0	–	0.0	–	–	12.2	–	–	59.2	–	–
107.0 80.0	–	0.0	–	0.0	–	–	3.0	–	–	34.2	–	–
107.0 90.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
110.0 35.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0 70.0	–	0.0	–	–	0.0	–	0.0	–	–	52.8	–	–
110.0 90.0	–	0.0	–	–	5.2	–	0.0	–	–	0.0	–	–
110.0 120.0	–	68.4	–	–	9.5	–	–	–	–	–	–	–
113.0 35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0 55.0	–	0.0	–	0.0	–	–	0.0	–	–	5.4	–	–
113.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	32.0	–	–
113.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	18.6	–	–
113.0 90.0	–	0.0	–	0.0	–	–	64.5	–	–	–	–	–
117.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
117.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	14.9	–	–
117.0 55.0	–	0.0	–	0.0	–	–	0.0	–	–	5.7	–	–
117.0 60.0	–	0.0	–	0.0	–	–	5.5	–	–	2.7	–	–
117.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	5.4	–	–
117.0 90.0	–	0.0	–	8.7	–	–	14.8	–	–	–	–	–
120.0 60.0	–	0.0	–	–	0.0	–	47.5	–	–	0.0	–	–
120.0 65.0	–	0.0	–	–	0.0	–	36.3	–	–	0.0	–	–
120.0 70.0	–	0.0	–	–	0.0	–	–	33.4	–	0.0	–	–
120.0 100.0	–	0.0	–	–	2.7	–	–	–	–	–	–	–
120.0 120.0	–	0.0	–	–	8.9	–	–	–	–	–	–	–
123.0 50.0	–	0.0	–	0.0	–	–	–	12.9	–	0.0	–	–
123.0 55.0	–	0.0	–	0.0	–	–	–	30.0	–	0.0	–	–
123.0 60.0	–	0.0	–	0.0	–	–	–	36.9	–	0.0	–	–
123.0 65.0	–	0.0	–	0.0	–	–	–	38.6	–	0.0	–	–
123.0 70.0	–	0.0	–	0.0	–	–	–	13.4	–	0.0	–	–
123.0 80.0	–	0.0	–	0.0	–	–	–	2.9	–	–	–	–
127.0 40.0	–	0.0	–	0.0	0.0	–	–	4.2	–	0.0	–	–
127.0 65.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
127.0 70.0	–	0.0	–	0.0	–	–	–	32.2	–	0.0	–	–
127.0 80.0	–	3.2	–	0.0	–	–	–	51.5	–	–	–	–
130.0 40.0	–	0.0	–	–	0.0	–	–	12.6	–	0.0	–	–
130.0 45.0	–	3.3	–	–	0.0	–	–	3.4	–	0.0	–	–
130.0 50.0	–	0.0	–	–	0.0	–	–	3.2	–	0.0	–	–
130.0 60.0	–	0.0	–	–	0.0	–	–	5.8	–	0.0	–	–
130.0 65.0	–	–	–	–	–	–	–	2.9	–	0.0	–	–
130.0 70.0	–	0.0	–	–	5.7	–	–	25.7	–	0.0	–	–
130.0 80.0	–	0.0	–	–	0.0	–	–	36.5	–	–	–	–
130.0 100.0	–	5.7	–	–	0.0	–	–	–	–	–	–	–
133.0 45.0	–	2.8	–	0.0	–	–	–	3.0	–	0.0	–	–
133.0 60.0	–	0.0	–	0.0	–	–	–	5.9	–	0.0	–	–
133.0 65.0	–	0.0	–	–	0.0	–	–	2.6	–	–	–	–
133.0 70.0	–	0.0	–	–	0.0	–	–	2.5	–	–	–	–
137.0 45.0	–	3.2	–	–	0.0	–	–	–	–	0.0	–	–
137.0 50.0	–	3.5	–	–	0.0	–	–	0.0	–	2.6	–	–
137.0 55.0	–	0.0	–	–	0.0	–	–	0.0	–	13.6	–	–
137.0 60.0	–	0.0	–	–	0.0	–	–	2.9	–	0.0	–	–

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0 80.0	–	0.0	–	–	8.0	–	–	0.0	–	–	–	–

Diaphus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 120.0	0.0	–	–	31.4	–	–	–	–	–	–	–	–
70.0 80.0	0.0	–	–	14.9	–	–	–	–	–	–	–	–
73.0 51.0	–	–	–	2.9	–	–	–	–	–	–	–	–
73.0 53.0	0.0	–	–	6.1	–	–	–	–	–	–	–	–
77.0 57.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
80.0 50.2	–	–	–	0.3	–	–	–	–	–	0.0	–	–
80.0 65.0	0.0	–	–	0.0	–	–	5.3	–	–	0.0	–	–
80.0 70.0	0.0	–	–	0.0	–	–	5.3	–	–	0.0	–	–
80.0 90.0	0.0	–	–	0.0	–	–	19.3	–	–	0.0	–	–
80.0 200.0	0.0	–	–	1.8	–	–	–	–	–	–	–	–
83.0 39.0	–	–	–	1.1	–	–	0.0	–	–	0.0	–	–
83.0 60.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
83.0 65.0	0.0	–	–	0.0	–	–	36.6	–	–	0.0	–	–
83.0 70.0	0.0	–	–	0.0	–	–	7.7	–	–	2.6	–	–
83.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
83.0 90.0	0.0	–	–	0.0	–	–	2.8	–	–	0.0	–	–
87.0 55.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
87.0 60.0	–	0.0	–	0.0	–	–	2.7	–	–	0.0	–	–
87.0 65.0	–	0.0	–	0.0	–	–	15.2	–	–	0.0	–	–
87.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	7.9	–	–
87.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
90.0 60.0	–	0.0	–	–	0.0	–	6.1	–	–	0.0	–	–
90.0 80.0	0.0	–	–	–	0.0	–	0.0	–	–	11.2	–	–
90.0 180.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
93.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	5.2	–	–
93.0 65.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
97.0 40.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
97.0 45.0	–	0.0	–	0.0	–	–	3.4	–	–	0.0	–	–
97.0 50.0	–	0.0	–	0.0	–	–	8.4	–	–	0.0	–	–
97.0 80.0	–	0.0	–	0.0	–	–	2.9	–	–	4.7	–	–
100.0 45.0	–	0.0	–	–	0.0	–	2.8	–	–	0.0	–	–
100.0 55.0	–	0.0	–	–	0.0	–	2.9	–	–	0.0	–	–
100.0 65.0	–	0.0	–	–	0.0	–	13.2	–	–	0.0	–	–
100.0 80.0	–	0.0	–	–	0.0	–	0.0	–	–	5.6	–	–
100.0 120.0	–	0.0	–	–	2.4	–	–	–	–	–	–	–
103.0 60.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
103.0 65.0	–	0.0	–	5.5	–	–	0.0	–	–	0.0	–	–
107.0 32.0	–	0.0	–	0.0	–	–	3.1	–	–	2.9	–	–
107.0 65.0	–	0.0	–	0.0	–	–	3.2	–	–	0.0	–	–
107.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–

TABLE 4. (cont.)

Diaphus spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0 70.0	–	0.0	–	–	0.0	–	–	2.9	–	0.0	–	–
130.0 80.0	–	0.0	–	–	0.0	–	–	6.1	–	–	–	–
137.0 45.0	–	0.0	–	–	0.0	–	–	–	–	5.4	–	–

Lampadena urophaos

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 200.0	0.0	–	–	5.3	–	–	–	–	–	–	–	–
90.0 140.0	0.0	–	–	31.3	–	–	–	–	–	–	–	–
93.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	5.0	–	–
97.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	4.7	–	–
97.0 90.0	–	0.0	–	0.0	–	–	–	–	–	11.0	–	–
100.0 90.0	–	0.0	–	–	0.0	–	2.9	–	–	0.0	–	–
103.0 65.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
103.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	18.8	–	–
103.0 80.0	–	0.0	–	0.0	–	–	5.8	–	–	0.0	–	–
103.0 90.0	–	0.0	–	0.0	–	–	3.2	–	–	2.7	–	–
107.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0 65.0	–	0.0	–	0.0	–	–	0.0	–	–	5.4	–	–
107.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	5.6	–	–
107.0 80.0	–	0.0	–	0.0	–	–	9.1	–	–	28.9	–	–
107.0 90.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
110.0 70.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
110.0 80.0	–	0.0	–	–	0.0	–	0.0	–	–	5.6	–	–
110.0 90.0	–	0.0	–	–	0.0	–	3.0	–	–	0.0	–	–
110.0 100.0	–	0.0	–	–	5.1	–	–	–	–	–	–	–
113.0 65.0	–	0.0	–	0.0	–	–	3.0	–	–	2.7	–	–
113.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	13.3	–	–
113.0 90.0	–	0.0	–	0.0	–	–	3.1	–	–	–	–	–
117.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
117.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	6.0	–	–
117.0 65.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
117.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
120.0 60.0	–	0.0	–	–	0.0	–	3.4	–	–	0.0	–	–
120.0 65.0	–	0.0	–	–	0.0	–	6.6	–	–	0.0	–	–
120.0 90.0	–	0.0	–	–	2.9	–	–	–	–	–	–	–
123.0 50.0	–	0.0	–	0.0	–	–	–	2.6	–	0.0	–	–
123.0 55.0	–	0.0	–	0.0	–	–	–	33.0	–	0.0	–	–
123.0 60.0	–	0.0	–	0.0	–	–	–	17.0	–	0.0	–	–
123.0 65.0	–	0.0	–	0.0	–	–	–	5.9	–	0.0	–	–
123.0 70.0	–	0.0	–	0.0	–	–	–	5.4	–	0.0	–	–
127.0 70.0	–	0.0	–	0.0	–	–	–	5.9	–	0.0	–	–
127.0 80.0	–	0.0	–	0.0	–	–	–	6.1	–	–	–	–
130.0 70.0	–	0.0	–	–	0.0	–	–	11.4	–	0.0	–	–

TABLE 4. (cont.)

Lampadena urophaos (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0 80.0	–	0.0	–	–	2.8	–	–	33.4	–	–	–	–
130.0 90.0	–	0.0	–	–	2.9	–	–	–	–	–	–	–
133.0 55.0	–	0.0	–	0.0	–	–	–	5.9	–	0.0	–	–
133.0 60.0	–	0.0	–	0.0	–	–	–	5.9	–	0.0	–	–
133.0 65.0	–	0.0	–	–	0.0	–	–	2.6	–	–	–	–
133.0 80.0	–	0.0	–	–	0.0	–	–	2.8	–	–	–	–
137.0 50.0	–	0.0	–	–	0.0	–	–	2.9	–	0.0	–	–
137.0 55.0	–	0.0	–	–	0.0	–	–	0.0	–	5.4	–	–

Lampanyctus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 120.0	0.0	–	–	6.3	–	–	–	–	–	–	–	–
60.0 140.0	2.9	–	–	0.0	–	–	–	–	–	–	–	–
60.0 160.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
60.0 180.0	2.9	–	–	53.2	–	–	–	–	–	–	–	–
60.0 200.0	0.0	–	–	11.1	–	–	–	–	–	–	–	–
70.0 80.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
70.0 100.0	0.0	–	–	2.5	–	–	–	–	–	–	–	–
70.0 120.0	0.0	–	–	12.2	–	–	–	–	–	–	–	–
70.0 200.0	0.0	–	–	29.4	–	–	–	–	–	–	–	–
73.0 50.0	–	–	–	1.9	–	–	–	–	–	–	–	–
73.0 51.0	–	–	–	2.9	–	–	–	–	–	–	–	–
77.0 57.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
80.0 65.0	0.0	–	–	3.3	–	–	0.0	–	–	0.0	–	–
80.0 75.0	2.9	–	–	–	–	–	–	–	–	–	–	–
80.0 85.0	5.6	–	–	–	–	–	–	–	–	–	–	–
80.0 110.0	14.3	–	–	–	–	–	–	–	–	–	–	–
80.0 200.0	2.8	–	–	5.3	–	–	–	–	–	–	–	–
83.0 51.0	0.0	–	–	0.0	–	–	2.6	–	–	0.0	–	–
83.0 70.0	3.3	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0 80.0	0.0	–	–	3.1	–	–	0.0	–	–	0.0	–	–
83.0 90.0	3.5	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0 95.0	2.7	–	–	–	–	–	–	–	–	–	–	–
83.0 110.0	–	6.5	–	–	–	–	–	–	–	–	–	–
87.0 40.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
87.0 70.0	–	6.1	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 80.0	–	6.6	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 110.0	–	7.0	–	–	–	–	–	–	–	–	–	–
87.0 115.0	–	3.4	–	–	–	–	–	–	–	–	–	–
90.0 28.0	–	5.4	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0 65.0	0.0	–	–	–	0.0	–	2.8	–	–	0.0	–	–
90.0 70.0	0.0	–	–	–	2.6	–	0.0	–	–	5.4	–	–
90.0 80.0	2.9	–	–	–	0.0	–	0.0	–	–	8.4	–	–
90.0 90.0	5.4	–	–	0.0	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 100.0	2.9	–	–	0.0	–	–	–	–	–	–	–	–
90.0 110.0	2.7	–	–	–	–	–	–	–	–	–	–	–
90.0 120.0	7.4	–	–	11.2	–	–	–	–	–	–	–	–
90.0 140.0	0.0	–	–	5.7	–	–	–	–	–	–	–	–
90.0 160.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
90.0 180.0	5.5	–	–	69.0	–	–	–	–	–	–	–	–
90.0 200.0	0.0	–	–	13.8	–	–	–	–	–	–	–	–
93.0 28.0	–	3.0	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0 30.0	–	0.0	–	0.0	–	–	0.0	–	–	3.2	–	–
93.0 35.0	–	0.0	–	0.0	–	–	5.7	–	–	0.0	–	–
93.0 45.0	–	0.0	–	0.0	–	–	3.3	–	–	2.6	–	–
93.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
93.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
93.0 65.0	–	0.0	–	0.0	–	–	6.2	–	–	0.0	–	–
93.0 70.0	–	6.3	–	0.0	–	–	3.0	–	–	0.0	–	–
93.0 80.0	–	6.4	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0 90.0	–	0.0	–	0.0	–	–	–	–	–	5.0	–	–
93.0 100.0	–	6.0	–	–	–	–	–	–	–	–	–	–
93.0 120.0	–	3.0	–	–	–	–	–	–	–	–	–	–
97.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
97.0 65.0	–	0.0	–	0.0	–	–	0.0	–	–	3.0	–	–
97.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
97.0 80.0	–	0.0	–	3.0	–	–	0.0	–	–	4.7	–	–
97.0 90.0	–	0.0	–	2.9	–	–	–	–	–	0.0	–	–
97.0 100.0	–	2.9	–	–	–	–	–	–	–	–	–	–
97.0 110.0	–	8.9	–	–	–	–	–	–	–	–	–	–
97.0 120.0	–	2.7	–	–	–	–	–	–	–	–	–	–
100.0 40.0	–	0.0	–	–	0.0	–	6.3	–	–	0.0	–	–
100.0 45.0	–	0.0	–	–	3.0	–	8.5	–	–	0.0	–	–
100.0 55.0	–	0.0	–	–	2.5	–	0.0	–	–	0.0	–	–
100.0 60.0	–	0.0	–	–	0.0	–	2.9	–	–	0.0	–	–
100.0 65.0	–	0.0	–	–	8.6	–	0.0	–	–	0.0	–	–
100.0 70.0	–	3.0	–	–	2.4	–	12.4	–	–	2.7	–	–
100.0 90.0	–	0.0	–	–	0.0	–	2.9	–	–	0.0	–	–
100.0 100.0	–	0.0	–	–	5.5	–	–	–	–	–	–	–
100.0 120.0	–	0.0	–	–	4.8	–	–	–	–	–	–	–
103.0 29.0	–	–	–	0.0	–	–	0.0	–	–	0.4	–	–
103.0 30.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
103.0 35.0	–	0.0	–	0.0	–	–	6.0	–	–	0.0	–	–
103.0 40.0	–	0.0	–	0.0	–	–	3.2	–	–	0.0	–	–
103.0 55.0	–	25.6	–	5.9	–	–	3.0	–	–	0.0	–	–
103.0 65.0	–	0.0	–	11.0	–	–	3.0	–	–	0.0	–	–
103.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	10.7	–	–
103.0 80.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
103.0 90.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 32.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	35.0	-	0.0	-	0.0	-	-	3.1	-	-	0.0	-	-
107.0	40.0	-	0.0	-	5.9	-	-	0.0	-	-	2.9	-	-
107.0	45.0	-	6.4	-	0.0	-	-	0.0	-	-	0.0	-	-
107.0	50.0	-	0.0	-	2.9	-	-	3.2	-	-	0.0	-	-
107.0	65.0	-	3.2	-	3.0	-	-	0.0	-	-	8.1	-	-
107.0	70.0	-	0.0	-	0.0	-	-	0.0	-	-	2.8	-	-
107.0	80.0	-	0.0	-	0.0	-	-	0.0	-	-	7.9	-	-
107.0	90.0	-	3.2	-	0.0	-	-	0.0	-	-	0.0	-	-
110.0	45.0	-	0.0	-	-	0.0	-	0.0	-	-	5.5	-	-
110.0	50.0	-	0.0	-	-	0.0	-	0.0	-	-	2.8	-	-
110.0	55.0	-	2.9	-	-	5.5	-	0.0	-	-	0.0	-	-
110.0	60.0	-	0.0	-	-	2.8	-	0.0	-	-	0.0	-	-
110.0	65.0	-	0.0	-	-	0.0	-	0.0	-	-	8.3	-	-
110.0	70.0	-	0.0	-	-	0.0	-	0.0	-	-	5.6	-	-
110.0	80.0	-	0.0	-	-	2.9	-	0.0	-	-	0.0	-	-
110.0	90.0	-	2.9	-	-	13.0	-	0.0	-	-	5.5	-	-
113.0	35.0	-	0.0	-	0.0	-	-	0.0	-	-	2.7	-	-
113.0	40.0	-	3.1	-	0.0	-	-	3.0	-	-	0.0	-	-
113.0	80.0	-	0.0	-	0.0	-	-	0.0	-	-	2.7	-	-
113.0	90.0	-	0.0	-	11.3	-	-	12.3	-	-	-	-	-
117.0	45.0	-	0.0	-	0.0	-	-	0.0	-	-	2.6	-	-
117.0	60.0	-	0.0	-	0.0	-	-	0.0	-	-	5.4	-	-
117.0	70.0	-	0.0	-	2.9	-	-	0.0	-	-	0.0	-	-
117.0	90.0	-	0.0	-	0.0	-	-	5.9	-	-	-	-	-
120.0	45.0	-	3.0	-	-	0.0	-	0.0	-	-	0.0	-	-
120.0	65.0	-	0.0	-	-	0.0	-	9.9	-	-	0.0	-	-
120.0	70.0	-	0.0	-	-	0.0	-	-	3.0	-	0.0	-	-
120.0	90.0	-	9.8	-	-	2.9	-	-	-	-	-	-	-
120.0	100.0	-	6.3	-	-	2.7	-	-	-	-	-	-	-
120.0	120.0	-	12.9	-	-	3.0	-	-	-	-	-	-	-
123.0	42.0	-	0.0	-	0.0	8.6	-	-	3.2	-	0.0	-	-
123.0	60.0	-	0.0	-	0.0	-	-	-	5.7	-	0.0	-	-
123.0	65.0	-	0.0	-	0.0	-	-	-	5.9	-	0.0	-	-
123.0	70.0	-	6.1	-	0.0	-	-	-	10.7	-	0.0	-	-
127.0	40.0	-	3.0	-	0.0	0.0	-	-	4.2	-	0.0	-	-
127.0	45.0	-	12.1	-	0.0	-	-	-	0.0	-	0.0	-	-
127.0	50.0	-	11.8	-	0.0	-	-	-	0.0	-	0.0	-	-
127.0	55.0	-	0.0	-	0.0	-	-	-	6.0	-	0.0	-	-
127.0	60.0	-	0.0	-	0.0	-	-	-	0.0	-	2.6	-	-
127.0	65.0	-	0.0	-	0.0	-	-	-	5.9	-	0.0	-	-
127.0	70.0	-	8.6	-	0.0	-	-	-	17.6	-	0.0	-	-
127.0	80.0	-	0.0	-	0.0	-	-	-	15.1	-	-	-	-
130.0	35.0	-	9.4	-	-	0.0	-	-	13.0	-	2.9	-	-
130.0	40.0	-	44.5	-	-	0.0	-	-	18.9	-	0.0	-	-
130.0	45.0	-	3.3	-	-	0.0	-	-	10.2	-	0.0	-	-
130.0	50.0	-	3.1	-	-	0.0	-	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0 60.0	–	3.4	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0 65.0	–	–	–	–	–	–	–	5.7	–	0.0	–	–
130.0 70.0	–	3.4	–	–	0.0	–	–	45.8	–	0.0	–	–
130.0 80.0	–	0.0	–	–	0.0	–	–	30.4	–	–	–	–
130.0 90.0	–	9.7	–	–	2.9	–	–	–	–	–	–	–
130.0 100.0	–	0.0	–	–	2.5	–	–	–	–	–	–	–
130.0 120.0	–	3.3	–	–	5.6	–	–	–	–	–	–	–
133.0 35.0	–	6.1	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0 40.0	–	9.0	–	0.0	–	–	–	22.0	–	2.7	–	–
133.0 45.0	–	5.6	–	3.1	–	–	–	39.5	–	0.0	–	–
133.0 50.0	–	0.0	–	0.0	–	–	–	8.8	–	0.0	–	–
133.0 55.0	–	0.0	–	5.8	–	–	–	0.0	–	0.0	–	–
133.0 60.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–
133.0 65.0	–	0.0	–	–	5.9	–	–	5.2	–	–	–	–
133.0 70.0	–	3.1	–	–	0.0	–	–	30.6	–	–	–	–
133.0 80.0	–	0.0	–	–	0.0	–	–	78.1	–	–	–	–
137.0 45.0	–	3.2	–	–	0.0	–	–	–	–	0.0	–	–
137.0 50.0	–	3.5	–	–	0.0	–	–	23.1	–	7.9	–	–
137.0 55.0	–	0.0	–	–	0.0	–	–	2.8	–	0.0	–	–
137.0 60.0	–	0.0	–	–	0.0	–	–	11.6	–	0.0	–	–
137.0 65.0	–	–	–	–	–	–	–	12.2	–	–	–	–
137.0 70.0	–	0.0	–	–	0.0	–	–	5.6	–	–	–	–
137.0 80.0	–	0.0	–	–	8.0	–	–	72.0	–	–	–	–
140.0 35.0	–	10.4	–	–	0.0	–	–	–	–	–	–	–
140.0 50.0	–	3.3	–	–	0.0	–	–	–	–	–	–	–

Lampanyctus regalis

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0 65.0	–	0.0	–	–	0.0	–	3.3	–	–	0.0	–	–
107.0 32.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–

Lampanyctus ritteri

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 80.0	9.4	–	–	0.0	–	–	–	–	–	–	–	–
60.0 90.0	0.0	–	–	2.3	–	–	–	–	–	–	–	–
60.0 120.0	5.7	–	–	0.0	–	–	–	–	–	–	–	–
60.0 140.0	0.0	–	–	2.7	–	–	–	–	–	–	–	–
60.0 160.0	0.0	–	–	5.7	–	–	–	–	–	–	–	–
67.0 60.0	0.0	–	–	2.7	–	–	–	–	–	–	–	–
70.0 90.0	0.0	–	–	12.2	–	–	–	–	–	–	–	–
80.0 70.0	0.0	–	–	2.9	–	–	0.0	–	–	0.0	–	–
80.0 90.0	8.8	–	–	0.0	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0 100.0	5.5	–	–	2.8	–	–	–	–	–	–	–	–
80.0 110.0	5.7	–	–	–	–	–	–	–	–	–	–	–
80.0 120.0	2.8	–	–	9.0	–	–	–	–	–	–	–	–
83.0 65.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
83.0 70.0	0.0	–	–	0.0	–	–	7.7	–	–	0.0	–	–
83.0 80.0	0.0	–	–	0.0	–	–	5.7	–	–	26.0	–	–
83.0 90.0	0.0	–	–	0.0	–	–	5.6	–	–	0.0	–	–
83.0 95.0	2.7	–	–	–	–	–	–	–	–	–	–	–
83.0 100.0	–	15.7	–	–	–	–	–	–	–	–	–	–
83.0 105.0	–	8.7	–	–	–	–	–	–	–	–	–	–
83.0 110.0	–	3.3	–	–	–	–	–	–	–	–	–	–
83.0 115.0	–	21.1	–	–	–	–	–	–	–	–	–	–
83.0 120.0	–	15.7	–	–	–	–	–	–	–	–	–	–
87.0 35.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 45.0	–	0.0	–	0.0	–	–	2.8	–	–	0.0	–	–
87.0 55.0	–	3.4	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 60.0	–	3.0	–	0.0	–	–	0.0	–	–	5.3	–	–
87.0 65.0	–	13.2	–	0.0	–	–	0.0	–	–	2.7	–	–
87.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	5.3	–	–
87.0 80.0	–	0.0	–	12.5	–	–	0.0	–	–	5.6	–	–
87.0 90.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
87.0 100.0	–	3.3	–	–	–	–	–	–	–	–	–	–
87.0 105.0	–	6.4	–	–	–	–	–	–	–	–	–	–
90.0 90.0	0.0	–	–	2.7	–	–	0.0	–	–	0.0	–	–
90.0 100.0	0.0	–	–	11.9	–	–	–	–	–	–	–	–
90.0 140.0	0.0	–	–	8.6	–	–	–	–	–	–	–	–
90.0 180.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
93.0 30.0	–	2.9	–	0.0	–	–	2.9	–	–	0.0	–	–
93.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
93.0 50.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
93.0 60.0	–	0.0	–	5.9	–	–	0.0	–	–	0.0	–	–
93.0 65.0	–	3.5	–	3.0	–	–	0.0	–	–	0.0	–	–
93.0 70.0	–	0.0	–	5.7	–	–	0.0	–	–	0.0	–	–
93.0 110.0	–	17.9	–	–	–	–	–	–	–	–	–	–
97.0 40.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
97.0 45.0	–	6.2	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0 50.0	–	3.2	–	8.3	–	–	4.2	–	–	0.0	–	–
97.0 55.0	–	3.3	–	14.4	–	–	3.1	–	–	0.0	–	–
97.0 60.0	–	0.0	–	10.6	–	–	0.0	–	–	0.0	–	–
97.0 70.0	–	10.6	–	2.6	–	–	0.0	–	–	0.0	–	–
97.0 80.0	–	18.7	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0 90.0	–	12.2	–	0.0	–	–	–	–	–	0.0	–	–
100.0 35.0	–	0.0	–	–	2.8	–	2.8	–	–	0.0	–	–
100.0 40.0	–	6.1	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 50.0	–	6.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 55.0	–	6.1	–	–	0.0	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	60.0	–	6.1	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	80.0	–	9.0	–	–	2.8	–	0.0	–	–	2.8	–	–
100.0	90.0	–	17.8	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	100.0	–	5.8	–	–	11.1	–	–	–	–	–	–	–
100.0	120.0	–	2.8	–	–	0.0	–	–	–	–	–	–	–
103.0	45.0	–	11.4	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0	50.0	–	9.3	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0	60.0	–	3.2	–	20.1	–	–	0.0	–	–	0.0	–	–
103.0	65.0	–	0.0	–	2.7	–	–	0.0	–	–	0.0	–	–
103.0	70.0	–	0.0	–	17.2	–	–	0.0	–	–	0.0	–	–
103.0	80.0	–	21.1	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	32.0	–	0.0	–	0.0	–	–	6.2	–	–	0.0	–	–
107.0	50.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	55.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	60.0	–	53.9	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	65.0	–	58.0	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	70.0	–	18.5	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	80.0	–	16.0	–	0.0	–	–	0.0	–	–	0.0	–	–
110.0	60.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	65.0	–	5.8	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	70.0	–	9.2	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	80.0	–	46.2	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	100.0	–	0.0	–	–	5.1	–	–	–	–	–	–	–
113.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0	45.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
113.0	55.0	–	3.2	–	3.0	–	–	0.0	–	–	0.0	–	–
113.0	60.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
113.0	65.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	80.0	–	8.7	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	90.0	–	12.6	–	0.0	–	–	3.1	–	–	–	–	–
117.0	45.0	–	2.9	–	11.7	–	–	0.0	–	–	0.0	–	–
117.0	50.0	–	0.0	–	12.9	–	–	0.0	–	–	0.0	–	–
117.0	60.0	–	2.8	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	65.0	–	5.8	–	6.1	–	–	0.0	–	–	0.0	–	–
117.0	80.0	–	12.6	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	90.0	–	3.0	–	5.8	–	–	0.0	–	–	–	–	–
120.0	55.0	–	6.1	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0	65.0	–	2.9	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0	70.0	–	3.2	–	–	0.0	–	–	0.0	–	0.0	–	–
120.0	80.0	–	17.1	–	–	0.0	–	–	0.0	–	–	–	–
123.0	55.0	–	0.0	–	0.0	–	–	–	9.0	–	0.0	–	–
123.0	60.0	–	0.0	–	0.0	–	–	–	8.5	–	0.0	–	–

TABLE 4. (cont.)

Notolychnus valdiviae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 200.0	0.0	–	–	18.7	–	–	–	–	–	–	–	–
80.0 200.0	8.6	–	–	1.8	–	–	–	–	–	–	–	–
90.0 120.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
90.0 140.0	0.0	–	–	11.4	–	–	–	–	–	–	–	–
90.0 180.0	5.5	–	–	35.9	–	–	–	–	–	–	–	–
90.0 200.0	5.3	–	–	2.8	–	–	–	–	–	–	–	–
97.0 90.0	–	0.0	–	0.0	–	–	–	–	–	2.8	–	–
97.0 110.0	–	5.9	–	–	–	–	–	–	–	–	–	–
100.0 35.0	–	0.0	–	–	0.0	–	0.0	–	–	2.5	–	–
100.0 60.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 70.0	–	0.0	–	–	0.0	–	9.3	–	–	0.0	–	–
100.0 90.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 100.0	–	0.0	–	–	5.5	–	–	–	–	–	–	–
100.0 120.0	–	2.8	–	–	0.0	–	–	–	–	–	–	–
103.0 70.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
107.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	5.3	–	–
110.0 120.0	–	6.2	–	–	0.0	–	–	–	–	–	–	–
120.0 120.0	–	0.0	–	–	3.0	–	–	–	–	–	–	–
123.0 65.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–

Notoscopelus resplendens

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 180.0	2.9	–	–	14.0	–	–	–	–	–	–	–	–
60.0 200.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
70.0 200.0	2.8	–	–	21.4	–	–	–	–	–	–	–	–
80.0 95.0	2.8	–	–	–	–	–	–	–	–	–	–	–
80.0 200.0	8.6	–	–	5.3	–	–	–	–	–	–	–	–
90.0 120.0	0.0	–	–	14.1	–	–	–	–	–	–	–	–
90.0 140.0	0.0	–	–	11.4	–	–	–	–	–	–	–	–
90.0 160.0	0.0	–	–	16.7	–	–	–	–	–	–	–	–
90.0 180.0	0.0	–	–	46.9	–	–	–	–	–	–	–	–
97.0 80.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0 90.0	–	3.0	–	0.0	–	–	–	–	–	2.8	–	–
97.0 100.0	–	2.9	–	–	–	–	–	–	–	–	–	–
97.0 120.0	–	5.3	–	–	–	–	–	–	–	–	–	–
100.0 100.0	–	0.0	–	–	2.8	–	–	–	–	–	–	–
103.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
103.0 65.0	–	0.0	–	0.0	–	–	6.0	–	–	0.0	–	–
103.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
103.0 80.0	–	0.0	–	6.1	–	–	0.0	–	–	0.0	–	–
107.0 65.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0 90.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
110.0 60.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–
110.0 65.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–

TABLE 4. (cont.)

Notoscopelus resplendens (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0 90.0	–	0.0	–	–	7.8	–	0.0	–	–	0.0	–	–
110.0 120.0	–	3.1	–	–	7.1	–	–	–	–	–	–	–
113.0 90.0	–	0.0	–	8.5	–	–	9.2	–	–	–	–	–
117.0 90.0	–	0.0	–	2.9	–	–	0.0	–	–	–	–	–
120.0 60.0	–	0.0	–	–	0.0	–	3.4	–	–	0.0	–	–
120.0 65.0	–	0.0	–	–	0.0	–	6.6	–	–	0.0	–	–
120.0 90.0	–	3.3	–	–	2.9	–	–	–	–	–	–	–
120.0 120.0	–	0.0	–	–	17.7	–	–	–	–	–	–	–
123.0 55.0	–	0.0	–	0.0	–	–	–	12.0	–	0.0	–	–
123.0 60.0	–	0.0	–	0.0	–	–	–	11.4	–	0.0	–	–
123.0 65.0	–	0.0	–	0.0	–	–	–	11.9	–	0.0	–	–
123.0 70.0	–	0.0	–	0.0	–	–	–	8.0	–	0.0	–	–
127.0 80.0	–	0.0	–	0.0	–	–	–	6.1	–	–	–	–
130.0 65.0	–	–	–	–	–	–	–	5.7	–	0.0	–	–
130.0 70.0	–	0.0	–	–	0.0	–	–	14.3	–	0.0	–	–
133.0 35.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–
133.0 40.0	–	0.0	–	0.0	–	–	–	9.4	–	0.0	–	–
133.0 55.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
133.0 65.0	–	0.0	–	–	0.0	–	–	5.2	–	–	–	–
133.0 70.0	–	0.0	–	–	2.9	–	–	0.0	–	–	–	–
137.0 80.0	–	0.0	–	–	0.0	–	–	3.0	–	–	–	–

Stenobrachius leucopsarus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 52.0	7.3	–	–	0.0	–	–	–	–	–	–	–	–
60.0 55.0	0.0	–	–	5.0	–	–	–	–	–	–	–	–
60.0 60.0	189.6	–	–	29.0	–	–	–	–	–	–	–	–
60.0 70.0	26.9	–	–	0.0	–	–	–	–	–	–	–	–
60.0 80.0	3.1	–	–	0.0	–	–	–	–	–	–	–	–
60.0 90.0	5.9	–	–	39.4	–	–	–	–	–	–	–	–
60.0 100.0	2.8	–	–	9.1	–	–	–	–	–	–	–	–
63.0 52.0	23.5	–	–	18.9	–	–	–	–	–	–	–	–
63.0 55.0	60.2	–	–	84.0	–	–	–	–	–	–	–	–
63.0 60.0	406.6	–	–	11.0	–	–	–	–	–	–	–	–
67.0 49.0	–	–	–	3.4	–	–	–	–	–	–	–	–
67.0 50.0	29.9	–	–	10.2	–	–	–	–	–	–	–	–
67.0 55.0	32.5	–	–	20.8	–	–	–	–	–	–	–	–
67.0 60.0	414.0	–	–	18.6	–	–	–	–	–	–	–	–
70.0 50.0	–	–	–	13.5	–	–	–	–	–	–	–	–
70.0 51.0	–	–	–	56.8	–	–	–	–	–	–	–	–
70.0 52.0	–	–	–	180.8	–	–	–	–	–	–	–	–
70.0 53.0	16.7	–	–	106.4	–	–	–	–	–	–	–	–
70.0 60.0	35.3	–	–	10.0	–	–	–	–	–	–	–	–
70.0 70.0	209.1	–	–	21.8	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 80.0	56.0	–	–	3.0	–	–	–	–	–	–	–	–
70.0 90.0	65.1	–	–	4.9	–	–	–	–	–	–	–	–
70.0 100.0	22.8	–	–	0.0	–	–	–	–	–	–	–	–
70.0 120.0	15.3	–	–	0.0	–	–	–	–	–	–	–	–
73.0 49.4	–	–	–	1.3	–	–	–	–	–	–	–	–
73.0 50.0	–	–	–	17.2	–	–	–	–	–	–	–	–
73.0 51.0	–	–	–	57.2	–	–	–	–	–	–	–	–
73.0 53.0	34.8	–	–	21.4	–	–	–	–	–	–	–	–
73.0 60.0	76.7	–	–	11.1	–	–	–	–	–	–	–	–
77.0 49.0	–	–	–	1.6	–	–	–	–	–	–	–	–
77.0 50.0	–	–	–	4.6	–	–	–	–	–	–	–	–
77.0 51.0	11.2	–	–	15.4	–	–	–	–	–	–	–	–
77.0 55.0	57.6	–	–	21.0	–	–	–	–	–	–	–	–
77.0 57.0	58.0	–	–	22.3	–	–	–	–	–	–	–	–
80.0 52.0	2.7	–	–	0.0	–	–	0.0	–	–	0.0	–	–
80.0 55.0	68.3	–	–	13.8	–	–	0.0	–	–	0.0	–	–
80.0 60.0	17.0	–	–	35.4	–	–	0.0	–	–	0.0	–	–
80.0 65.0	23.6	–	–	3.3	–	–	0.0	–	–	0.0	–	–
80.0 70.0	3.2	–	–	37.4	–	–	0.0	–	–	0.0	–	–
80.0 80.0	0.0	–	–	10.5	–	–	0.0	–	–	0.0	–	–
80.0 90.0	0.0	–	–	3.0	–	–	0.0	–	–	0.0	–	–
80.0 100.0	0.0	–	–	8.5	–	–	–	–	–	–	–	–
80.0 110.0	2.9	–	–	–	–	–	–	–	–	–	–	–
83.0 40.0	9.4	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0 43.0	44.8	–	–	28.6	–	–	0.0	–	–	0.0	–	–
83.0 51.0	6.0	–	–	2.8	–	–	5.2	–	–	0.0	–	–
83.0 55.0	126.8	–	–	28.4	–	–	0.0	–	–	0.0	–	–
83.0 60.0	41.1	–	–	29.2	–	–	0.0	–	–	0.0	–	–
83.0 65.0	0.0	–	–	3.1	–	–	0.0	–	–	0.0	–	–
83.0 70.0	9.8	–	–	15.8	–	–	0.0	–	–	0.0	–	–
83.0 80.0	15.6	–	–	12.5	–	–	0.0	–	–	0.0	–	–
83.0 85.0	16.4	–	–	–	–	–	–	–	–	–	–	–
83.0 90.0	81.0	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0 95.0	29.2	–	–	–	–	–	–	–	–	–	–	–
83.0 100.0	–	37.6	–	–	–	–	–	–	–	–	–	–
83.0 105.0	–	49.5	–	–	–	–	–	–	–	–	–	–
83.0 110.0	–	26.1	–	–	–	–	–	–	–	–	–	–
83.0 115.0	–	18.5	–	–	–	–	–	–	–	–	–	–
83.0 120.0	–	6.3	–	–	–	–	–	–	–	–	–	–
87.0 33.0	–	–	–	16.2	–	–	0.0	–	–	0.0	–	–
87.0 35.0	–	224.9	–	50.2	–	–	0.0	–	–	0.0	–	–
87.0 40.0	–	172.2	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 45.0	–	140.3	–	23.3	–	–	0.0	–	–	0.0	–	–
87.0 50.0	–	47.0	–	5.3	–	–	0.0	–	–	0.0	–	–
87.0 55.0	–	16.9	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 60.0	–	3.0	–	16.5	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	65.0	–	26.4	–	35.4	–	–	0.0	–	–	0.0	–	–
87.0	70.0	–	9.1	–	25.9	–	–	0.0	–	–	0.0	–	–
87.0	75.0	–	3.1	–	–	–	–	–	–	–	–	–	–
87.0	80.0	–	6.6	–	6.3	–	–	0.0	–	–	0.0	–	–
87.0	85.0	–	3.4	–	–	–	–	–	–	–	–	–	–
87.0	90.0	–	0.0	–	6.1	–	–	0.0	–	–	0.0	–	–
87.0	95.0	–	3.0	–	–	–	–	–	–	–	–	–	–
87.0	100.0	–	3.3	–	–	–	–	–	–	–	–	–	–
87.0	105.0	–	16.0	–	–	–	–	–	–	–	–	–	–
87.0	110.0	–	52.7	–	–	–	–	–	–	–	–	–	–
87.0	115.0	–	6.9	–	–	–	–	–	–	–	–	–	–
90.0	28.0	–	75.6	–	–	2.8	–	0.0	–	–	0.0	–	–
90.0	32.0	–	79.3	–	–	8.6	–	0.0	–	–	0.0	–	–
90.0	37.0	–	72.8	–	–	11.2	–	0.0	–	–	0.0	–	–
90.0	45.0	–	108.8	–	–	68.3	–	8.4	–	–	0.0	–	–
90.0	53.0	–	47.8	–	–	33.2	–	5.8	–	–	0.0	–	–
90.0	60.0	–	0.0	–	–	9.3	–	0.0	–	–	0.0	–	–
90.0	65.0	0.0	–	–	–	4.2	–	0.0	–	–	0.0	–	–
90.0	70.0	9.4	–	–	–	20.6	–	0.0	–	–	0.0	–	–
90.0	80.0	8.8	–	–	–	2.3	–	0.0	–	–	0.0	–	–
90.0	90.0	0.0	–	–	2.7	–	–	0.0	–	–	0.0	–	–
90.0	100.0	2.9	–	–	0.0	–	–	–	–	–	–	–	–
93.0	27.0	–	–	–	23.8	–	–	0.0	–	–	0.0	–	–
93.0	28.0	–	42.1	–	17.1	–	–	0.0	–	–	0.0	–	–
93.0	30.0	–	37.2	–	10.0	–	–	0.0	–	–	0.0	–	–
93.0	35.0	–	3.2	–	12.6	–	–	0.0	–	–	0.0	–	–
93.0	40.0	–	24.9	–	5.9	–	–	0.0	–	–	0.0	–	–
93.0	45.0	–	3.1	–	8.7	–	–	0.0	–	–	0.0	–	–
93.0	50.0	–	6.4	–	51.5	–	–	0.0	–	–	0.0	–	–
93.0	55.0	–	13.4	–	5.7	–	–	0.0	–	–	0.0	–	–
93.0	60.0	–	0.0	–	11.7	–	–	0.0	–	–	0.0	–	–
93.0	65.0	–	3.5	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	70.0	–	12.6	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	80.0	–	9.6	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0	30.0	–	0.0	–	27.5	–	–	0.0	–	–	0.0	–	–
97.0	32.0	–	9.8	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0	35.0	–	36.8	–	19.9	–	–	0.0	–	–	0.0	–	–
97.0	40.0	–	3.2	–	8.7	–	–	0.0	–	–	0.0	–	–
97.0	45.0	–	6.2	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0	50.0	–	3.2	–	11.1	–	–	0.0	–	–	0.0	–	–
97.0	55.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0	60.0	–	0.0	–	2.7	–	–	0.0	–	–	0.0	–	–
97.0	65.0	–	0.0	–	5.5	–	–	0.0	–	–	0.0	–	–
97.0	70.0	–	3.5	–	2.6	–	–	0.0	–	–	0.0	–	–
100.0	30.0	–	0.0	–	–	12.1	–	0.0	–	–	0.0	–	–
100.0	40.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	50.0	–	42.1	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	60.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	65.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
103.0	29.0	–	–	–	1.7	–	–	0.0	–	–	0.0	–	–
103.0	30.0	–	0.0	–	19.8	–	–	0.0	–	–	0.0	–	–
103.0	35.0	–	0.0	–	9.0	–	–	0.0	–	–	0.0	–	–
103.0	40.0	–	0.0	–	3.3	–	–	0.0	–	–	0.0	–	–
103.0	50.0	–	6.2	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0	55.0	–	8.6	–	3.0	–	–	0.0	–	–	0.0	–	–
107.0	30.0	–	–	–	0.8	–	–	0.0	–	–	0.0	–	–
107.0	31.0	–	–	–	5.2	–	–	0.0	–	–	0.0	–	–
107.0	32.0	–	0.0	–	25.3	–	–	0.0	–	–	0.0	–	–
107.0	35.0	–	0.0	–	8.3	–	–	0.0	–	–	0.0	–	–
107.0	60.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	70.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
107.0	80.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–

Triphoturus mexicanus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	–	–	–	0.0	–	–	0.0	–	–	5.8	–	–
80.0	52.0	0.0	–	–	0.0	–	–	0.0	–	–	5.4	–	–
80.0	55.0	0.0	–	–	0.0	–	–	0.0	–	–	5.3	–	–
80.0	60.0	0.0	–	–	0.0	–	–	0.0	–	–	2.8	–	–
80.0	70.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
80.0	80.0	0.0	–	–	0.0	–	–	0.0	–	–	2.8	–	–
80.0	120.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
82.0	47.0	0.0	–	–	0.0	–	–	0.0	–	–	14.5	–	–
83.0	39.0	–	–	–	0.0	–	–	0.0	–	–	0.7	–	–
83.0	40.0	0.0	–	–	0.0	–	–	2.3	–	–	13.0	–	–
83.0	43.0	0.0	–	–	0.0	–	–	0.0	–	–	26.6	–	–
83.0	51.0	0.0	–	–	0.0	–	–	2.6	–	–	0.0	–	–
83.0	55.0	0.0	–	–	0.0	–	–	5.5	–	–	0.0	–	–
87.0	33.0	–	–	–	0.0	–	–	2.7	–	–	4.1	–	–
87.0	34.0	–	–	–	0.0	–	–	0.0	–	–	2.0	–	–
87.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	13.7	–	–
87.0	45.0	–	0.0	–	0.0	–	–	2.8	–	–	2.8	–	–
87.0	55.0	–	0.0	–	0.0	–	–	0.0	–	–	5.7	–	–
87.0	60.0	–	0.0	–	0.0	–	–	0.0	–	–	10.6	–	–
87.0	70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
87.0	90.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
90.0	27.5	–	–	–	–	0.0	–	0.0	–	–	0.5	–	–
90.0	28.0	–	0.0	–	–	0.0	–	0.0	–	–	17.3	–	–
90.0	32.0	–	0.0	–	–	0.0	–	0.0	–	–	24.2	–	–
90.0	37.0	–	0.0	–	–	0.0	–	0.0	–	–	15.7	–	–

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	45.0	–	0.0	–	–	0.0	–	5.6	–	–	2.8	–	–
90.0	53.0	–	0.0	–	–	0.0	–	0.0	–	–	12.3	–	–
90.0	65.0	0.0	–	–	–	0.0	–	5.6	–	–	0.0	–	–
90.0	80.0	0.0	–	–	–	0.0	–	0.0	–	–	8.4	–	–
90.0	90.0	0.0	–	–	0.0	–	–	0.0	–	–	10.7	–	–
93.0	27.0	–	–	–	0.0	–	–	20.4	–	–	2.6	–	–
93.0	28.0	–	0.0	–	0.0	–	–	44.0	–	–	7.0	–	–
93.0	30.0	–	0.0	–	0.0	–	–	40.3	–	–	0.0	–	–
93.0	35.0	–	0.0	–	0.0	–	–	117.7	–	–	12.7	–	–
93.0	40.0	–	0.0	–	0.0	–	–	140.8	–	–	2.6	–	–
93.0	45.0	–	0.0	–	0.0	–	–	36.0	–	–	10.4	–	–
93.0	50.0	–	0.0	–	0.0	–	–	0.0	–	–	23.9	–	–
93.0	55.0	–	0.0	–	0.0	–	–	0.0	–	–	18.8	–	–
93.0	60.0	–	0.0	–	5.9	–	–	0.0	–	–	78.6	–	–
93.0	65.0	–	0.0	–	0.0	–	–	56.2	–	–	10.8	–	–
93.0	70.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
93.0	80.0	–	0.0	–	0.0	–	–	8.2	–	–	2.5	–	–
93.0	90.0	–	0.0	–	0.0	–	–	–	–	–	7.5	–	–
97.0	28.7	–	–	–	–	–	–	3.9	–	–	0.5	–	–
97.0	29.0	–	–	–	0.0	–	–	12.1	–	–	1.9	–	–
97.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	0.7	–	–
97.0	32.0	–	0.0	–	0.0	–	–	16.4	–	–	19.0	–	–
97.0	35.0	–	0.0	–	2.8	–	–	0.0	–	–	45.0	–	–
97.0	40.0	–	0.0	–	8.7	–	–	28.1	–	–	18.8	–	–
97.0	45.0	–	0.0	–	0.0	–	–	10.3	–	–	7.8	–	–
97.0	50.0	–	0.0	–	0.0	–	–	16.8	–	–	25.6	–	–
97.0	55.0	–	0.0	–	8.6	–	–	6.2	–	–	3.1	–	–
97.0	60.0	–	0.0	–	10.6	–	–	0.0	–	–	5.7	–	–
97.0	65.0	–	0.0	–	0.0	–	–	2.9	–	–	9.1	–	–
97.0	70.0	–	0.0	–	0.0	–	–	2.9	–	–	5.3	–	–
97.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	84.6	–	–
97.0	90.0	–	0.0	–	0.0	–	–	–	–	–	30.3	–	–
100.0	29.0	–	–	–	–	1.8	–	14.9	–	–	1.7	–	–
100.0	30.0	–	0.0	–	–	3.0	–	12.8	–	–	5.5	–	–
100.0	35.0	–	0.0	–	–	22.3	–	59.6	–	–	44.5	–	–
100.0	40.0	–	3.0	–	–	8.5	–	68.9	–	–	109.4	–	–
100.0	45.0	–	0.0	–	–	0.0	–	17.0	–	–	0.0	–	–
100.0	50.0	–	0.0	–	–	0.0	–	3.0	–	–	19.2	–	–
100.0	55.0	–	0.0	–	–	10.2	–	8.6	–	–	31.1	–	–
100.0	60.0	–	0.0	–	–	11.3	–	2.9	–	–	13.6	–	–
100.0	65.0	–	0.0	–	–	5.7	–	23.0	–	–	33.2	–	–
100.0	70.0	–	0.0	–	–	4.8	–	52.5	–	–	5.4	–	–
100.0	80.0	–	0.0	–	–	11.2	–	0.0	–	–	22.6	–	–
100.0	90.0	–	0.0	–	–	5.9	–	8.8	–	–	14.1	–	–
100.0	100.0	–	0.0	–	–	2.8	–	–	–	–	–	–	–
103.0	28.5	–	–	–	0.0	–	–	–	–	–	1.5	–	–

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	28.7	-	-	-	-	-	-	2.3	-	-	-	-	-
103.0	29.0	-	-	-	0.0	-	-	1.6	-	-	6.5	-	-
103.0	30.0	-	0.0	-	0.0	-	-	6.0	-	-	14.8	-	-
103.0	35.0	-	0.0	-	0.0	-	-	45.2	-	-	33.4	-	-
103.0	40.0	-	0.0	-	3.3	-	-	25.2	-	-	14.8	-	-
103.0	45.0	-	0.0	-	5.9	-	-	28.4	-	-	17.5	-	-
103.0	50.0	-	0.0	-	5.5	-	-	12.5	-	-	22.7	-	-
103.0	55.0	-	0.0	-	3.0	-	-	42.6	-	-	24.8	-	-
103.0	60.0	-	0.0	-	23.0	-	-	5.9	-	-	21.7	-	-
103.0	65.0	-	0.0	-	46.6	-	-	20.9	-	-	62.8	-	-
103.0	70.0	-	0.0	-	42.9	-	-	2.9	-	-	117.9	-	-
103.0	80.0	-	0.0	-	18.2	-	-	49.0	-	-	171.4	-	-
103.0	90.0	-	0.0	-	9.2	-	-	6.3	-	-	13.7	-	-
107.0	30.0	-	-	-	0.0	-	-	1.4	-	-	0.7	-	-
107.0	31.0	-	-	-	0.0	-	-	5.3	-	-	8.8	-	-
107.0	32.0	-	0.0	-	0.0	-	-	120.1	-	-	51.5	-	-
107.0	35.0	-	0.0	-	19.3	-	-	81.1	-	-	152.4	-	-
107.0	40.0	-	0.0	-	8.9	-	-	0.0	-	-	23.4	-	-
107.0	45.0	-	0.0	-	0.0	-	-	30.8	-	-	30.9	-	-
107.0	50.0	-	0.0	-	8.6	-	-	16.0	-	-	27.4	-	-
107.0	55.0	-	0.0	-	0.0	-	-	63.2	-	-	14.1	-	-
107.0	60.0	-	3.2	-	2.9	-	-	18.8	-	-	35.6	-	-
107.0	65.0	-	0.0	-	24.1	-	-	3.2	-	-	180.2	-	-
107.0	70.0	-	6.2	-	8.8	-	-	0.0	-	-	93.1	-	-
107.0	80.0	-	0.0	-	2.8	-	-	15.1	-	-	15.8	-	-
107.0	90.0	-	0.0	-	5.9	-	-	3.0	-	-	11.1	-	-
110.0	32.0	-	9.4	-	-	0.0	-	0.0	-	-	5.4	-	-
110.0	35.0	-	0.0	-	-	16.5	-	118.1	-	-	54.4	-	-
110.0	40.0	-	6.1	-	-	0.0	-	0.0	-	-	13.8	-	-
110.0	45.0	-	0.0	-	-	0.0	-	22.8	-	-	33.0	-	-
110.0	50.0	-	0.0	-	-	17.2	-	0.0	-	-	30.5	-	-
110.0	55.0	-	0.0	-	-	46.4	-	17.9	-	-	37.3	-	-
110.0	60.0	-	0.0	-	-	47.3	-	0.0	-	-	106.9	-	-
110.0	65.0	-	5.8	-	-	13.8	-	5.8	-	-	68.8	-	-
110.0	70.0	-	0.0	-	-	12.6	-	0.0	-	-	13.9	-	-
110.0	80.0	-	0.0	-	-	14.5	-	31.8	-	-	0.0	-	-
110.0	90.0	-	0.0	-	-	187.2	-	6.0	-	-	24.7	-	-
110.0	100.0	-	0.0	-	-	2.5	-	-	-	-	-	-	-
110.0	120.0	-	0.0	-	-	21.3	-	-	-	-	-	-	-
113.0	30.0	-	0.0	-	0.0	-	-	0.0	-	-	0.8	-	-
113.0	35.0	-	3.0	-	3.0	-	-	3.0	-	-	32.9	-	-
113.0	40.0	-	0.0	-	5.6	-	-	0.0	-	-	13.9	-	-
113.0	45.0	-	12.9	-	2.9	-	-	0.0	-	-	24.1	-	-
113.0	50.0	-	0.0	-	21.1	-	-	0.0	-	-	58.1	-	-
113.0	55.0	-	0.0	-	15.1	-	-	0.0	-	-	21.4	-	-
113.0	60.0	-	91.9	-	23.4	-	-	8.9	-	-	42.7	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	65.0	-	33.8	-	30.7	-	-	97.7	-	-	34.6	-	-
113.0	70.0	-	5.5	-	11.8	-	-	31.8	-	-	57.1	-	-
113.0	80.0	-	0.0	-	17.7	-	-	19.3	-	-	45.2	-	-
113.0	90.0	-	0.0	-	34.0	-	-	125.9	-	-	-	-	-
115.0	35.0	-	0.0	-	-	5.8	-	-	-	-	-	-	-
117.0	30.0	-	3.0	-	0.0	-	-	0.0	-	-	5.7	-	-
117.0	35.0	-	0.0	-	3.0	-	-	0.0	-	-	38.0	-	-
117.0	40.0	-	0.0	-	13.8	-	-	8.7	-	-	5.7	-	-
117.0	45.0	-	8.8	-	58.4	-	-	6.0	-	-	5.2	-	-
117.0	50.0	-	23.5	-	25.9	-	-	0.0	-	-	14.9	-	-
117.0	55.0	-	0.0	-	9.2	-	-	2.8	-	-	23.0	-	-
117.0	60.0	-	2.8	-	5.7	-	-	104.5	-	-	43.0	-	-
117.0	65.0	-	8.7	-	33.4	-	-	74.0	-	-	11.3	-	-
117.0	70.0	-	66.2	-	20.4	-	-	173.3	-	-	30.9	-	-
117.0	80.0	-	0.0	-	8.8	-	-	102.3	-	-	27.2	-	-
117.0	90.0	-	0.0	-	5.8	-	-	248.6	-	-	-	-	-
118.0	39.0	-	11.9	-	9.1	-	-	0.0	-	-	11.5	-	-
119.0	33.0	-	0.0	-	-	1.8	-	0.0	-	-	0.0	-	-
120.0	25.0	-	0.0	-	0.0	-	-	0.0	-	-	15.8	-	-
120.0	30.0	-	0.0	-	0.0	-	-	0.0	-	-	12.2	-	-
120.0	35.0	-	0.0	-	-	0.0	-	0.0	-	-	12.0	-	-
120.0	40.0	-	0.0	-	-	0.0	-	0.0	-	-	2.2	-	-
120.0	45.0	-	23.6	-	-	14.5	-	0.0	-	-	42.8	-	-
120.0	50.0	-	17.8	-	-	14.1	-	0.0	-	-	7.9	-	-
120.0	55.0	-	18.2	-	-	2.7	-	27.4	-	-	44.2	-	-
120.0	60.0	-	33.4	-	-	25.6	-	179.7	-	-	94.7	-	-
120.0	65.0	-	5.8	-	-	5.4	-	168.3	-	-	21.0	-	-
120.0	70.0	-	19.0	-	-	11.6	-	-	133.8	-	29.3	-	-
120.0	80.0	-	3.4	-	-	24.8	-	-	35.9	-	-	-	-
120.0	90.0	-	0.0	-	-	5.7	-	-	-	-	-	-	-
120.0	100.0	-	0.0	-	-	8.2	-	-	-	-	-	-	-
120.0	120.0	-	3.2	-	-	5.9	-	-	-	-	-	-	-
123.0	35.6	-	-	-	-	-	-	-	-	-	0.2	-	-
123.0	37.0	-	0.0	-	0.0	-	-	-	0.0	-	14.4	-	-
123.0	42.0	-	0.0	-	0.0	51.8	-	-	15.9	-	16.8	-	-
123.0	45.0	-	12.2	-	5.4	-	-	-	8.9	-	12.9	-	-
123.0	50.0	-	0.0	-	8.5	-	-	-	232.2	-	7.9	-	-
123.0	55.0	-	6.4	-	9.0	-	-	-	0.0	-	2.8	-	-
123.0	60.0	-	15.1	-	8.1	-	-	-	159.0	-	0.0	-	-
123.0	65.0	-	3.2	-	14.8	-	-	-	196.0	-	14.0	-	-
123.0	70.0	-	3.0	-	19.3	-	-	-	32.2	-	8.1	-	-
123.0	80.0	-	0.0	-	5.7	-	-	-	49.5	-	-	-	-
127.0	40.0	-	0.0	-	0.0	5.6	-	-	75.2	-	10.6	-	-
127.0	45.0	-	18.1	-	26.4	-	-	-	26.8	-	8.5	-	-
127.0	50.0	-	8.9	-	29.8	-	-	-	16.0	-	5.6	-	-
127.0	55.0	-	0.0	-	9.4	-	-	-	99.7	-	8.5	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	60.0	-	0.0	-	0.0	-	-	-	30.4	-	23.5	-	-
127.0	65.0	-	9.0	-	8.7	-	-	-	67.8	-	5.7	-	-
127.0	70.0	-	17.3	-	34.8	-	-	-	44.0	-	17.9	-	-
127.0	80.0	-	6.4	-	11.3	-	-	-	66.7	-	-	-	-
130.0	30.0	-	214.0	-	-	0.0	-	-	32.8	-	2.5	-	-
130.0	35.0	-	9.4	-	-	6.3	-	-	445.3	-	2.9	-	-
130.0	40.0	-	54.7	-	-	2.7	-	-	179.6	-	0.0	-	-
130.0	45.0	-	10.0	-	-	0.0	-	-	403.4	-	8.4	-	-
130.0	50.0	-	9.2	-	-	11.0	-	-	60.6	-	5.4	-	-
130.0	55.0	-	0.0	-	-	7.9	-	-	120.1	-	8.6	-	-
130.0	60.0	-	0.0	-	-	0.0	-	-	81.5	-	11.4	-	-
130.0	65.0	-	-	-	-	-	-	-	206.6	-	2.8	-	-
130.0	70.0	-	16.9	-	-	5.7	-	-	231.7	-	15.6	-	-
130.0	80.0	-	0.0	-	-	2.8	-	-	109.4	-	-	-	-
130.0	100.0	-	2.9	-	-	7.4	-	-	-	-	-	-	-
133.0	25.0	-	3.1	-	0.0	-	-	-	0.0	-	0.0	-	-
133.0	30.0	-	0.0	-	0.0	-	-	-	8.8	-	0.0	-	-
133.0	35.0	-	9.1	-	0.0	-	-	-	45.3	-	8.4	-	-
133.0	40.0	-	20.9	-	11.5	-	-	-	489.8	-	5.4	-	-
133.0	45.0	-	2.8	-	12.5	-	-	-	97.3	-	2.7	-	-
133.0	50.0	-	0.0	-	5.5	-	-	-	90.5	-	0.0	-	-
133.0	55.0	-	0.0	-	170.5	-	-	-	168.2	-	5.7	-	-
133.0	60.0	-	0.0	-	12.3	-	-	-	26.5	-	8.4	-	-
133.0	65.0	-	0.0	-	-	5.9	-	-	254.1	-	-	-	-
133.0	70.0	-	3.1	-	-	2.9	-	-	119.8	-	-	-	-
133.0	80.0	-	0.0	-	-	0.0	-	-	86.5	-	-	-	-
137.0	35.0	-	6.6	-	-	0.0	-	-	-	-	0.0	-	-
137.0	40.0	-	6.4	-	-	0.0	-	-	-	-	2.7	-	-
137.0	45.0	-	0.0	-	-	0.0	-	-	-	-	5.4	-	-
137.0	50.0	-	0.0	-	-	0.0	-	-	28.9	-	23.7	-	-
137.0	55.0	-	0.0	-	-	8.3	-	-	5.6	-	2.7	-	-
137.0	60.0	-	0.0	-	-	2.7	-	-	26.2	-	2.7	-	-
137.0	65.0	-	-	-	-	-	-	-	15.2	-	-	-	-
137.0	70.0	-	0.0	-	-	0.0	-	-	39.3	-	-	-	-
137.0	80.0	-	3.3	-	-	10.6	-	-	150.0	-	-	-	-
140.0	35.0	-	3.5	-	-	0.0	-	-	-	-	-	-	-
140.0	40.0	-	3.7	-	-	0.0	-	-	-	-	-	-	-
140.0	50.0	-	3.3	-	-	0.0	-	-	-	-	-	-	-

Diogenichthys spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	140.0	8.8	-	-	0.0	-	-	-	-	-	-	-	-
70.0	120.0	2.5	-	-	0.0	-	-	-	-	-	-	-	-
70.0	200.0	0.0	-	-	8.0	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Diogenichthys spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0 110.0	2.9	–	–	–	–	–	–	–	–	–	–	–
93.0 60.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
93.0 120.0	–	12.1	–	–	–	–	–	–	–	–	–	–
97.0 60.0	–	0.0	–	2.7	–	–	0.0	–	–	0.0	–	–
97.0 110.0	–	23.8	–	–	–	–	–	–	–	–	–	–
100.0 80.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 90.0	–	3.0	–	–	0.0	–	0.0	–	–	22.5	–	–
100.0 120.0	–	0.0	–	–	2.4	–	–	–	–	–	–	–
103.0 60.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
103.0 65.0	–	0.0	–	0.0	–	–	0.0	–	–	5.5	–	–
103.0 70.0	–	3.0	–	0.0	–	–	0.0	–	–	5.4	–	–
103.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
103.0 90.0	–	3.1	–	0.0	–	–	3.2	–	–	0.0	–	–
107.0 60.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 65.0	–	0.0	–	0.0	–	–	3.2	–	–	0.0	–	–
107.0 70.0	–	9.2	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 80.0	–	0.0	–	2.8	–	–	3.0	–	–	0.0	–	–
110.0 60.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–
110.0 100.0	–	2.8	–	–	0.0	–	–	–	–	–	–	–
113.0 50.0	–	3.0	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0 65.0	–	0.0	–	2.8	–	–	8.9	–	–	2.7	–	–
113.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	8.0	–	–
117.0 55.0	–	0.0	–	0.0	–	–	0.0	–	–	5.7	–	–
117.0 60.0	–	0.0	–	0.0	–	–	2.8	–	–	0.0	–	–
117.0 65.0	–	0.0	–	6.1	–	–	0.0	–	–	0.0	–	–
117.0 80.0	–	0.0	–	0.0	–	–	12.4	–	–	0.0	–	–
117.0 90.0	–	0.0	–	0.0	–	–	3.0	–	–	–	–	–
118.0 39.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
120.0 30.0	–	0.0	–	0.0	–	–	0.0	–	–	2.4	–	–
120.0 50.0	–	5.9	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0 55.0	–	6.1	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0 60.0	–	2.8	–	–	0.0	–	3.4	–	–	0.0	–	–
120.0 65.0	–	0.0	–	–	0.0	–	0.0	–	–	2.6	–	–
120.0 70.0	–	22.1	–	–	0.0	–	–	0.0	–	5.3	–	–
120.0 80.0	–	10.3	–	–	2.8	–	–	0.0	–	–	–	–
120.0 90.0	–	9.8	–	–	2.9	–	–	–	–	–	–	–
120.0 100.0	–	3.2	–	–	0.0	–	–	–	–	–	–	–
120.0 120.0	–	9.7	–	–	0.0	–	–	–	–	–	–	–
123.0 42.0	–	0.0	–	0.0	0.0	–	–	0.0	–	5.6	–	–
123.0 45.0	–	6.1	–	0.0	–	–	–	0.0	–	2.6	–	–
123.0 50.0	–	0.0	–	0.0	–	–	–	0.0	–	7.9	–	–
123.0 55.0	–	0.0	–	0.0	–	–	–	9.0	–	0.0	–	–
123.0 60.0	–	0.0	–	0.0	–	–	–	5.7	–	0.0	–	–
123.0 65.0	–	0.0	–	0.0	–	–	–	8.9	–	5.6	–	–
123.0 70.0	–	3.0	–	0.0	–	–	–	0.0	–	2.7	–	–
123.0 80.0	–	0.0	–	0.0	–	–	–	2.9	–	–	–	–

TABLE 4. (cont.)

Diogenichthys spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0 45.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–
127.0 50.0	–	0.0	–	0.0	–	–	–	0.0	–	5.6	–	–
127.0 55.0	–	0.0	–	0.0	–	–	–	6.0	–	8.5	–	–
127.0 60.0	–	8.8	–	0.0	–	–	–	6.8	–	0.0	–	–
127.0 70.0	–	0.0	–	0.0	–	–	–	0.0	–	9.0	–	–
127.0 80.0	–	0.0	–	0.0	–	–	–	21.2	–	–	–	–
130.0 28.0	–	–	–	–	0.0	–	–	2.8	–	0.0	–	–
130.0 60.0	–	0.0	–	–	0.0	–	–	8.7	–	0.0	–	–
130.0 65.0	–	–	–	–	–	–	–	2.9	–	0.0	–	–
130.0 70.0	–	3.4	–	–	0.0	–	–	25.7	–	0.0	–	–
130.0 100.0	–	0.0	–	–	4.9	–	–	–	–	–	–	–
130.0 120.0	–	3.3	–	–	0.0	–	–	–	–	–	–	–
133.0 25.0	–	6.2	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0 40.0	–	0.0	–	2.9	–	–	–	0.0	–	0.0	–	–
133.0 60.0	–	0.0	–	0.0	–	–	–	14.7	–	0.0	–	–
133.0 70.0	–	3.1	–	–	2.9	–	–	0.0	–	–	–	–
133.0 80.0	–	0.0	–	–	12.2	–	–	0.0	–	–	–	–
137.0 60.0	–	0.0	–	–	0.0	–	–	5.8	–	0.0	–	–
137.0 70.0	–	10.0	–	–	0.0	–	–	0.0	–	–	–	–
140.0 30.0	–	0.0	–	–	2.6	–	–	–	–	–	–	–
140.0 35.0	–	10.4	–	–	0.0	–	–	–	–	–	–	–
140.0 45.0	–	7.1	–	–	0.0	–	–	–	–	–	–	–

Diogenichthys atlanticus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 140.0	0.0	–	–	8.2	–	–	–	–	–	–	–	–
60.0 160.0	0.0	–	–	2.9	–	–	–	–	–	–	–	–
60.0 180.0	31.7	–	–	28.0	–	–	–	–	–	–	–	–
60.0 200.0	8.2	–	–	5.5	–	–	–	–	–	–	–	–
70.0 51.0	–	–	–	2.8	–	–	–	–	–	–	–	–
70.0 80.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
70.0 200.0	8.6	–	–	61.4	–	–	–	–	–	–	–	–
80.0 85.0	2.8	–	–	–	–	–	–	–	–	–	–	–
80.0 120.0	0.0	–	–	23.9	–	–	–	–	–	–	–	–
80.0 200.0	8.6	–	–	3.5	–	–	–	–	–	–	–	–
83.0 90.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
87.0 33.0	–	–	–	0.0	–	–	0.0	–	–	0.6	–	–
87.0 55.0	–	6.8	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 60.0	–	5.9	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 80.0	–	0.0	–	3.1	–	–	0.0	–	–	0.0	–	–
87.0 90.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
90.0 53.0	–	0.0	–	–	3.0	–	0.0	–	–	0.0	–	–
90.0 60.0	–	6.1	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0 90.0	0.0	–	–	2.7	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 100.0	2.9	–	–	17.8	–	–	–	–	–	–	–	–
90.0 110.0	5.4	–	–	–	–	–	–	–	–	–	–	–
90.0 120.0	0.0	–	–	8.4	–	–	–	–	–	–	–	–
90.0 130.0	14.4	–	–	–	–	–	–	–	–	–	–	–
90.0 140.0	2.6	–	–	57.0	–	–	–	–	–	–	–	–
90.0 160.0	10.8	–	–	0.0	–	–	–	–	–	–	–	–
90.0 180.0	13.7	–	–	82.8	–	–	–	–	–	–	–	–
93.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
93.0 90.0	–	0.0	–	0.0	–	–	–	–	–	5.0	–	–
93.0 110.0	–	6.0	–	–	–	–	–	–	–	–	–	–
93.0 120.0	–	51.5	–	–	–	–	–	–	–	–	–	–
97.0 40.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
97.0 80.0	–	6.2	–	0.0	–	–	0.0	–	–	2.3	–	–
97.0 90.0	–	0.0	–	0.0	–	–	–	–	–	5.5	–	–
97.0 100.0	–	2.9	–	–	–	–	–	–	–	–	–	–
97.0 120.0	–	8.0	–	–	–	–	–	–	–	–	–	–
100.0 40.0	–	0.0	–	–	8.5	–	0.0	–	–	0.0	–	–
100.0 45.0	–	3.1	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 55.0	–	9.1	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 70.0	–	3.0	–	–	21.7	–	0.0	–	–	0.0	–	–
100.0 80.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–
100.0 90.0	–	8.9	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 100.0	–	5.8	–	–	19.4	–	–	–	–	–	–	–
103.0 45.0	–	2.8	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0 50.0	–	3.1	–	5.5	–	–	0.0	–	–	0.0	–	–
103.0 55.0	–	0.0	–	5.9	–	–	0.0	–	–	0.0	–	–
103.0 60.0	–	0.0	–	17.2	–	–	0.0	–	–	0.0	–	–
103.0 65.0	–	0.0	–	21.9	–	–	0.0	–	–	0.0	–	–
103.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
103.0 80.0	–	21.1	–	15.2	–	–	0.0	–	–	0.0	–	–
107.0 55.0	–	9.8	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 60.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 65.0	–	6.4	–	0.0	–	–	3.2	–	–	0.0	–	–
107.0 70.0	–	0.0	–	5.8	–	–	0.0	–	–	0.0	–	–
107.0 80.0	–	9.6	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 90.0	–	9.6	–	0.0	–	–	0.0	–	–	0.0	–	–
110.0 55.0	–	0.0	–	–	16.4	–	0.0	–	–	0.0	–	–
110.0 60.0	–	3.0	–	–	11.1	–	0.0	–	–	0.0	–	–
110.0 65.0	–	0.0	–	–	2.8	–	0.0	–	–	2.8	–	–
110.0 90.0	–	2.9	–	–	10.4	–	0.0	–	–	0.0	–	–
110.0 120.0	–	31.1	–	–	40.3	–	–	–	–	–	–	–
113.0 45.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
113.0 50.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
117.0 45.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
117.0 50.0	–	0.0	–	5.2	–	–	0.0	–	–	0.0	–	–
117.0 80.0	–	3.2	–	0.0	–	–	0.0	–	–	13.6	–	–

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	90.0	–	3.0	–	2.9	–	–	0.0	–	–	–	–	–
118.0	39.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
120.0	45.0	–	0.0	–	–	0.0	–	0.0	–	–	5.7	–	–
120.0	120.0	–	3.2	–	–	0.0	–	–	–	–	–	–	–
123.0	50.0	–	0.0	–	0.0	–	–	–	2.6	–	0.0	–	–
123.0	70.0	–	0.0	–	0.0	–	–	–	2.7	–	0.0	–	–
130.0	70.0	–	0.0	–	–	0.0	–	–	2.9	–	0.0	–	–
133.0	40.0	–	0.0	–	0.0	–	–	–	3.1	–	0.0	–	–

Diogenichthys laternatus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
100.0	29.0	–	–	–	–	0.0	–	0.0	–	–	0.2	–	–
100.0	40.0	–	0.0	–	–	0.0	–	0.0	–	–	5.8	–	–
100.0	55.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
100.0	80.0	–	0.0	–	–	0.0	–	2.9	–	–	0.0	–	–
103.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	8.3	–	–
103.0	50.0	–	0.0	–	0.0	–	–	0.0	–	–	5.7	–	–
103.0	60.0	–	0.0	–	0.0	–	–	0.0	–	–	5.4	–	–
103.0	70.0	–	0.0	–	0.0	–	–	0.0	–	–	18.8	–	–
103.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	8.2	–	–
103.0	90.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	11.7	–	–
107.0	45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
107.0	50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0	55.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
107.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	5.3	–	–
107.0	90.0	–	0.0	–	0.0	–	–	0.0	–	–	8.3	–	–
110.0	32.0	–	0.0	–	–	0.0	–	0.0	–	–	1.4	–	–
110.0	35.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–
110.0	40.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
110.0	50.0	–	3.2	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	65.0	–	0.0	–	–	0.0	–	0.0	–	–	8.3	–	–
110.0	70.0	–	3.1	–	–	0.0	–	0.0	–	–	2.8	–	–
110.0	80.0	–	0.0	–	–	0.0	–	3.2	–	–	2.8	–	–
110.0	90.0	–	0.0	–	–	2.6	–	0.0	–	–	2.7	–	–
113.0	45.0	–	6.5	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	55.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0	60.0	–	38.0	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	65.0	–	12.3	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	70.0	–	0.0	–	0.0	–	–	0.0	–	–	24.5	–	–
113.0	90.0	–	6.3	–	0.0	–	–	0.0	–	–	–	–	–
117.0	45.0	–	14.6	–	0.0	–	–	0.0	–	–	13.0	–	–
117.0	50.0	–	26.9	–	0.0	–	–	0.0	–	–	6.0	–	–

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	60.0	-	0.0	-	0.0	-	-	0.0	-	-	2.7	-	-
117.0	70.0	-	3.2	-	0.0	-	-	0.0	-	-	0.0	-	-
117.0	80.0	-	0.0	-	8.8	-	-	0.0	-	-	0.0	-	-
117.0	90.0	-	0.0	-	0.0	-	-	11.8	-	-	-	-	-
120.0	30.0	-	0.0	-	0.0	-	-	0.0	-	-	2.4	-	-
120.0	35.0	-	0.0	-	-	0.0	-	0.0	-	-	2.4	-	-
120.0	45.0	-	17.7	-	-	0.0	-	0.0	-	-	0.0	-	-
120.0	55.0	-	18.2	-	-	0.0	-	0.0	-	-	3.7	-	-
120.0	65.0	-	0.0	-	-	0.0	-	16.5	-	-	7.9	-	-
120.0	70.0	-	0.0	-	-	0.0	-	-	0.0	-	34.6	-	-
120.0	80.0	-	0.0	-	-	2.8	-	-	0.0	-	-	-	-
123.0	42.0	-	0.0	-	3.2	10.8	-	-	31.8	-	0.0	-	-
123.0	45.0	-	18.4	-	0.0	-	-	-	5.9	-	10.3	-	-
123.0	50.0	-	15.7	-	0.0	-	-	-	28.4	-	0.0	-	-
123.0	55.0	-	15.9	-	3.0	-	-	-	6.0	-	0.0	-	-
123.0	60.0	-	3.0	-	8.1	-	-	-	5.7	-	0.0	-	-
123.0	65.0	-	15.9	-	8.9	-	-	-	0.0	-	0.0	-	-
123.0	70.0	-	0.0	-	16.5	-	-	-	32.2	-	0.0	-	-
123.0	80.0	-	6.0	-	2.9	-	-	-	2.9	-	-	-	-
127.0	34.0	-	0.0	-	5.3	-	-	-	0.0	-	0.0	-	-
127.0	40.0	-	106.0	-	0.0	0.0	-	-	87.8	-	0.0	-	-
127.0	45.0	-	24.2	-	2.9	-	-	-	26.8	-	0.0	-	-
127.0	50.0	-	20.6	-	3.0	-	-	-	0.0	-	0.0	-	-
127.0	55.0	-	5.7	-	9.4	-	-	-	30.2	-	50.8	-	-
127.0	60.0	-	0.0	-	39.0	-	-	-	6.8	-	60.0	-	-
127.0	65.0	-	102.3	-	29.0	-	-	-	53.1	-	11.3	-	-
127.0	70.0	-	34.6	-	8.7	-	-	-	32.2	-	0.0	-	-
127.0	80.0	-	3.2	-	0.0	-	-	-	57.6	-	-	-	-
130.0	30.0	-	107.0	-	-	0.0	-	-	0.0	-	0.0	-	-
130.0	35.0	-	128.7	-	-	2.1	-	-	29.3	-	0.0	-	-
130.0	40.0	-	215.5	-	-	0.0	-	-	44.1	-	13.7	-	-
130.0	45.0	-	30.0	-	-	0.0	-	-	88.1	-	11.2	-	-
130.0	50.0	-	3.1	-	-	27.4	-	-	0.0	-	8.1	-	-
130.0	55.0	-	0.0	-	-	2.6	-	-	0.0	-	0.0	-	-
130.0	60.0	-	3.4	-	-	2.7	-	-	0.0	-	22.7	-	-
130.0	65.0	-	-	-	-	-	-	-	5.7	-	0.0	-	-
130.0	70.0	-	20.3	-	-	87.7	-	-	140.1	-	13.0	-	-
130.0	80.0	-	20.0	-	-	0.0	-	-	200.6	-	-	-	-
130.0	90.0	-	9.7	-	-	11.5	-	-	-	-	-	-	-
133.0	30.0	-	22.5	-	0.0	-	-	-	52.7	-	0.0	-	-
133.0	35.0	-	36.5	-	0.0	-	-	-	0.0	-	0.0	-	-
133.0	40.0	-	62.8	-	0.0	-	-	-	50.2	-	35.2	-	-
133.0	45.0	-	16.9	-	0.0	-	-	-	39.5	-	21.6	-	-
133.0	50.0	-	3.1	-	5.5	-	-	-	35.0	-	0.0	-	-
133.0	55.0	-	0.0	-	28.9	-	-	-	53.1	-	5.7	-	-
133.0	60.0	-	0.0	-	6.2	-	-	-	0.0	-	2.8	-	-

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	65.0	–	0.0	–	–	23.4	–	–	23.6	–	–	–	–
133.0	70.0	–	0.0	–	–	0.0	–	–	76.5	–	–	–	–
133.0	80.0	–	0.0	–	–	0.0	–	–	167.4	–	–	–	–
137.0	40.0	–	19.1	–	–	0.0	–	–	–	–	21.8	–	–
137.0	45.0	–	6.4	–	–	0.0	–	–	–	–	26.9	–	–
137.0	50.0	–	48.7	–	–	2.8	–	–	63.6	–	28.9	–	–
137.0	55.0	–	0.0	–	–	0.0	–	–	0.0	–	10.8	–	–
137.0	60.0	–	0.0	–	–	5.4	–	–	0.0	–	0.0	–	–
137.0	65.0	–	–	–	–	–	–	–	33.4	–	–	–	–
137.0	70.0	–	0.0	–	–	2.6	–	–	14.1	–	–	–	–
137.0	80.0	–	19.7	–	–	71.6	–	–	141.0	–	–	–	–
140.0	35.0	–	0.0	–	–	2.8	–	–	–	–	–	–	–
140.0	50.0	–	0.0	–	–	8.6	–	–	–	–	–	–	–

Gonichthys tenuiculus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
120.0	50.0	–	5.9	–	–	0.0	–	0.0	–	–	0.0	–	–
123.0	55.0	–	3.2	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	40.0	–	3.0	–	0.0	0.0	–	–	0.0	–	0.0	–	–
127.0	45.0	–	9.1	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	55.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
127.0	60.0	–	0.0	–	3.0	–	–	–	0.0	–	0.0	–	–
130.0	40.0	–	6.8	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0	45.0	–	6.7	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0	50.0	–	18.5	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0	65.0	–	–	–	–	–	–	–	2.9	–	0.0	–	–
130.0	70.0	–	0.0	–	–	0.0	–	–	2.9	–	0.0	–	–
130.0	90.0	–	3.2	–	–	0.0	–	–	–	–	–	–	–
133.0	30.0	–	0.0	–	2.8	–	–	–	0.0	–	0.0	–	–
133.0	35.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0	45.0	–	0.0	–	0.0	–	–	–	3.0	–	2.7	–	–
133.0	55.0	–	0.0	–	2.9	–	–	–	3.0	–	0.0	–	–
133.0	65.0	–	0.0	–	–	0.0	–	–	2.6	–	–	–	–
133.0	80.0	–	0.0	–	–	0.0	–	–	5.6	–	–	–	–
137.0	21.0	–	–	–	–	0.3	–	–	–	–	0.0	–	–
137.0	45.0	–	6.4	–	–	0.0	–	–	–	–	0.0	–	–
137.0	50.0	–	3.5	–	–	0.0	–	–	5.8	–	7.9	–	–
137.0	60.0	–	3.3	–	–	0.0	–	–	0.0	–	0.0	–	–
137.0	80.0	–	0.0	–	–	0.0	–	–	3.0	–	–	–	–
140.0	45.0	–	3.6	–	–	0.0	–	–	–	–	–	–	–

TABLE 4. (cont.)

Hygophum spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	70.0	0.0	–	–	0.0	–	–	2.6	–	–	0.0	–	–
103.0	70.0	–	0.0	–	0.0	–	–	0.0	–	–	5.4	–	–
107.0	32.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
113.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0	90.0	–	0.0	–	0.0	–	–	3.1	–	–	–	–	–
117.0	45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
117.0	50.0	–	0.0	–	0.0	–	–	0.0	–	–	3.0	–	–
117.0	65.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
120.0	65.0	–	0.0	–	–	0.0	–	3.3	–	–	0.0	–	–
123.0	42.0	–	0.0	–	0.0	0.0	–	–	3.2	–	0.0	–	–
123.0	60.0	–	0.0	–	0.0	–	–	–	2.8	–	0.0	–	–
123.0	65.0	–	0.0	–	0.0	–	–	–	5.9	–	0.0	–	–
123.0	70.0	–	0.0	–	0.0	–	–	–	2.7	–	0.0	–	–
127.0	60.0	–	0.0	–	0.0	–	–	–	3.4	–	5.2	–	–
127.0	65.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
130.0	65.0	–	–	–	–	–	–	–	2.9	–	0.0	–	–
130.0	70.0	–	0.0	–	–	0.0	–	–	17.2	–	0.0	–	–
133.0	55.0	–	0.0	–	0.0	–	–	–	5.9	–	0.0	–	–
133.0	60.0	–	0.0	–	0.0	–	–	–	2.9	–	2.8	–	–
133.0	65.0	–	0.0	–	–	0.0	–	–	10.5	–	–	–	–
133.0	70.0	–	0.0	–	–	5.8	–	–	2.5	–	–	–	–
137.0	55.0	–	0.0	–	–	0.0	–	–	2.8	–	0.0	–	–
137.0	60.0	–	3.3	–	–	0.0	–	–	0.0	–	0.0	–	–
137.0	65.0	–	–	–	–	–	–	–	3.0	–	–	–	–
137.0	70.0	–	0.0	–	–	0.0	–	–	2.8	–	–	–	–
137.0	80.0	–	0.0	–	–	0.0	–	–	99.0	–	–	–	–

Hygophum atratum

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
103.0	60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0	32.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
107.0	50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
107.0	90.0	–	0.0	–	0.0	–	–	0.0	–	–	5.6	–	–
117.0	70.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
123.0	65.0	–	3.2	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	40.0	–	6.1	–	0.0	0.0	–	–	0.0	–	0.0	–	–
127.0	45.0	–	3.0	–	0.0	–	–	–	0.0	–	2.8	–	–
127.0	50.0	–	3.0	–	0.0	–	–	–	4.0	–	0.0	–	–
127.0	55.0	–	0.0	–	0.0	–	–	–	6.0	–	0.0	–	–
127.0	65.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	80.0	–	0.0	–	0.0	–	–	–	6.1	–	–	–	–
130.0	30.0	–	53.5	–	–	0.0	–	–	0.0	–	0.0	–	–

TABLE 4. (cont.)

Hygophum atratum (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0 35.0	–	3.1	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0 40.0	–	23.9	–	–	0.0	–	–	12.6	–	0.0	–	–
130.0 45.0	–	0.0	–	–	0.0	–	–	6.8	–	5.6	–	–
130.0 50.0	–	18.5	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0 55.0	–	3.4	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0 80.0	–	0.0	–	–	0.0	–	–	9.1	–	–	–	–
133.0 30.0	–	0.0	–	0.0	–	–	–	2.9	–	0.0	–	–
133.0 35.0	–	6.1	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0 40.0	–	6.0	–	0.0	–	–	–	84.8	–	2.7	–	–
133.0 45.0	–	0.0	–	0.0	–	–	–	45.6	–	0.0	–	–
133.0 50.0	–	0.0	–	0.0	–	–	–	11.7	–	0.0	–	–
133.0 55.0	–	0.0	–	2.9	–	–	–	0.0	–	0.0	–	–
133.0 65.0	–	0.0	–	–	2.9	–	–	0.0	–	–	–	–
133.0 70.0	–	0.0	–	–	2.9	–	–	0.0	–	–	–	–
133.0 80.0	–	0.0	–	–	0.0	–	–	39.1	–	–	–	–
137.0 45.0	–	3.2	–	–	0.0	–	–	–	–	0.0	–	–
137.0 50.0	–	0.0	–	–	0.0	–	–	20.2	–	0.0	–	–
137.0 55.0	–	0.0	–	–	0.0	–	–	0.0	–	5.4	–	–
137.0 60.0	–	0.0	–	–	0.0	–	–	8.7	–	0.0	–	–
137.0 80.0	–	0.0	–	–	13.3	–	–	0.0	–	–	–	–

Hygophum reinhardtii

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 160.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
70.0 200.0	8.6	–	–	13.4	–	–	–	–	–	–	–	–
80.0 200.0	0.0	–	–	3.5	–	–	–	–	–	–	–	–
90.0 130.0	2.9	–	–	–	–	–	–	–	–	–	–	–
90.0 160.0	8.1	–	–	0.0	–	–	–	–	–	–	–	–
90.0 180.0	0.0	–	–	8.3	–	–	–	–	–	–	–	–
90.0 200.0	0.0	–	–	5.5	–	–	–	–	–	–	–	–
93.0 80.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0 90.0	–	3.2	–	0.0	–	–	–	–	–	0.0	–	–
93.0 100.0	–	9.0	–	–	–	–	–	–	–	–	–	–
93.0 110.0	–	6.0	–	–	–	–	–	–	–	–	–	–
93.0 120.0	–	3.0	–	–	–	–	–	–	–	–	–	–
103.0 70.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
103.0 80.0	–	6.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0 55.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
107.0 70.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
107.0 90.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
110.0 120.0	–	12.4	–	–	0.0	–	–	–	–	–	–	–
113.0 90.0	–	0.0	–	2.8	–	–	0.0	–	–	–	–	–
117.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
117.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	5.6	–	–

TABLE 4. (cont.)

Hygophum reinhardtii (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0 70.0	–	3.4	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0 100.0	–	2.9	–	–	0.0	–	–	–	–	–	–	–
133.0 80.0	–	3.1	–	–	0.0	–	–	0.0	–	–	–	–
137.0 50.0	–	0.0	–	–	0.0	–	–	0.0	–	2.6	–	–

Loweina rara

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 90.0	2.7	–	–	0.0	–	–	0.0	–	–	0.0	–	–
110.0 70.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
120.0 120.0	–	0.0	–	–	3.0	–	–	–	–	–	–	–
123.0 50.0	–	0.0	–	2.8	–	–	–	0.0	–	0.0	–	–
127.0 50.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–

Myctophum nitidulum

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 180.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
83.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
87.0 65.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
90.0 100.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
90.0 120.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
90.0 200.0	2.7	–	–	0.0	–	–	–	–	–	–	–	–
93.0 90.0	–	3.2	–	0.0	–	–	–	–	–	0.0	–	–
93.0 110.0	–	3.0	–	–	–	–	–	–	–	–	–	–
97.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
97.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.3	–	–
100.0 65.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–
100.0 80.0	–	3.0	–	–	0.0	–	0.0	–	–	2.8	–	–
100.0 100.0	–	0.0	–	–	5.5	–	–	–	–	–	–	–
100.0 120.0	–	0.0	–	–	2.4	–	–	–	–	–	–	–
103.0 65.0	–	0.0	–	2.7	–	–	0.0	–	–	0.0	–	–
103.0 80.0	–	3.0	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 65.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	5.3	–	–
107.0 90.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
110.0 90.0	–	0.0	–	–	2.6	–	0.0	–	–	0.0	–	–
110.0 120.0	–	6.2	–	–	4.7	–	–	–	–	–	–	–
113.0 40.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
113.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0 90.0	–	0.0	–	2.8	–	–	0.0	–	–	–	–	–
117.0 45.0	–	0.0	–	8.8	–	–	0.0	–	–	0.0	–	–
123.0 65.0	–	3.2	–	0.0	–	–	–	0.0	–	0.0	–	–
123.0 70.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–

TABLE 4. (cont.)

Myctophum nitidulum (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0 60.0	–	0.0	–	–	0.0	–	–	0.0	–	2.8	–	–
133.0 60.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–

Protomyctophum crockeri

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 60.0	0.0	–	–	4.8	–	–	–	–	–	–	–	–
60.0 80.0	6.2	–	–	0.0	–	–	–	–	–	–	–	–
60.0 120.0	0.0	–	–	6.3	–	–	–	–	–	–	–	–
60.0 160.0	3.0	–	–	2.9	–	–	–	–	–	–	–	–
60.0 180.0	5.8	–	–	2.8	–	–	–	–	–	–	–	–
63.0 60.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
67.0 60.0	3.2	–	–	2.7	–	–	–	–	–	–	–	–
70.0 52.0	–	–	–	2.6	–	–	–	–	–	–	–	–
70.0 80.0	8.9	–	–	11.9	–	–	–	–	–	–	–	–
70.0 90.0	6.2	–	–	0.0	–	–	–	–	–	–	–	–
70.0 120.0	0.0	–	–	2.4	–	–	–	–	–	–	–	–
73.0 53.0	0.0	–	–	3.1	–	–	–	–	–	–	–	–
77.0 57.0	5.8	–	–	0.0	–	–	–	–	–	–	–	–
80.0 55.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
80.0 60.0	0.0	–	–	0.0	–	–	0.0	–	–	2.8	–	–
80.0 70.0	0.0	–	–	0.0	–	–	0.0	–	–	10.6	–	–
80.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	2.8	–	–
80.0 90.0	0.0	–	–	0.0	–	–	9.6	–	–	0.0	–	–
80.0 100.0	2.7	–	–	0.0	–	–	–	–	–	–	–	–
80.0 110.0	2.9	–	–	–	–	–	–	–	–	–	–	–
80.0 120.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
83.0 43.0	0.0	–	–	0.0	–	–	0.0	–	–	5.3	–	–
83.0 55.0	0.0	–	–	0.0	–	–	2.7	–	–	0.0	–	–
83.0 65.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
83.0 70.0	3.3	–	–	0.0	–	–	0.0	–	–	2.6	–	–
83.0 75.0	3.2	–	–	–	–	–	–	–	–	–	–	–
83.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	5.2	–	–
83.0 85.0	3.3	–	–	–	–	–	–	–	–	–	–	–
83.0 90.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
83.0 95.0	5.3	–	–	–	–	–	–	–	–	–	–	–
83.0 100.0	–	3.1	–	–	–	–	–	–	–	–	–	–
83.0 110.0	–	3.3	–	–	–	–	–	–	–	–	–	–
83.0 120.0	–	3.1	–	–	–	–	–	–	–	–	–	–
87.0 45.0	–	0.0	–	0.0	–	–	2.8	–	–	0.0	–	–
87.0 65.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
87.0 70.0	–	3.0	–	3.2	–	–	0.0	–	–	5.3	–	–
87.0 80.0	–	0.0	–	3.1	–	–	0.0	–	–	11.3	–	–
87.0 90.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
87.0 95.0	–	3.0	–	–	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0 100.0	–	3.3	–	–	–	–	–	–	–	–	–	–
87.0 105.0	–	12.8	–	–	–	–	–	–	–	–	–	–
87.0 110.0	–	14.0	–	–	–	–	–	–	–	–	–	–
87.0 115.0	–	3.4	–	–	–	–	–	–	–	–	–	–
90.0 32.0	–	0.0	–	–	0.0	–	0.0	–	–	3.0	–	–
90.0 37.0	–	2.8	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0 45.0	–	0.0	–	–	0.0	–	5.6	–	–	0.0	–	–
90.0 60.0	–	6.1	–	–	3.1	–	0.0	–	–	0.0	–	–
90.0 65.0	0.0	–	–	–	0.0	–	2.8	–	–	0.0	–	–
90.0 70.0	3.1	–	–	–	0.0	–	0.0	–	–	2.7	–	–
90.0 80.0	2.9	–	–	–	0.0	–	0.0	–	–	5.6	–	–
90.0 110.0	5.4	–	–	–	–	–	–	–	–	–	–	–
90.0 140.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
90.0 160.0	2.7	–	–	0.0	–	–	–	–	–	–	–	–
90.0 180.0	0.0	–	–	5.5	–	–	–	–	–	–	–	–
93.0 30.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
93.0 35.0	–	0.0	–	3.1	–	–	2.9	–	–	0.0	–	–
93.0 50.0	–	0.0	–	5.7	–	–	0.0	–	–	8.0	–	–
93.0 55.0	–	0.0	–	2.8	–	–	0.0	–	–	5.4	–	–
93.0 60.0	–	0.0	–	0.0	–	–	2.9	–	–	7.9	–	–
93.0 70.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
93.0 80.0	–	3.2	–	12.4	–	–	0.0	–	–	0.0	–	–
93.0 90.0	–	0.0	–	0.0	–	–	–	–	–	2.5	–	–
93.0 120.0	–	3.0	–	–	–	–	–	–	–	–	–	–
97.0 32.0	–	0.0	–	0.0	–	–	5.5	–	–	0.0	–	–
97.0 40.0	–	0.0	–	0.0	–	–	6.2	–	–	0.0	–	–
97.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
97.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	5.7	–	–
97.0 55.0	–	3.3	–	0.0	–	–	0.0	–	–	3.1	–	–
97.0 60.0	–	0.0	–	2.7	–	–	0.0	–	–	0.0	–	–
97.0 65.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
100.0 35.0	–	0.0	–	–	2.8	–	5.7	–	–	0.0	–	–
100.0 40.0	–	0.0	–	–	11.4	–	3.1	–	–	0.0	–	–
100.0 45.0	–	0.0	–	–	3.0	–	0.0	–	–	0.0	–	–
100.0 50.0	–	6.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 55.0	–	3.0	–	–	2.5	–	0.0	–	–	0.0	–	–
100.0 60.0	–	0.0	–	–	0.0	–	2.9	–	–	2.7	–	–
100.0 65.0	–	0.0	–	–	0.0	–	3.3	–	–	2.8	–	–
100.0 70.0	–	0.0	–	–	0.0	–	3.1	–	–	10.8	–	–
100.0 80.0	–	3.0	–	–	2.8	–	0.0	–	–	5.6	–	–
100.0 100.0	–	0.0	–	–	5.5	–	–	–	–	–	–	–
103.0 45.0	–	5.7	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0 50.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0 55.0	–	2.8	–	0.0	–	–	3.0	–	–	0.0	–	–
103.0 60.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
103.0 65.0	–	0.0	–	5.5	–	–	0.0	–	–	5.5	–	–

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	70.0	–	3.0	–	11.4	–	–	0.0	–	–	2.7	–	–
103.0	80.0	–	3.0	–	3.0	–	–	0.0	–	–	0.0	–	–
103.0	90.0	–	0.0	–	6.2	–	–	0.0	–	–	0.0	–	–
107.0	32.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
107.0	35.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
107.0	40.0	–	0.0	–	0.0	–	–	0.0	–	–	5.9	–	–
107.0	45.0	–	0.0	–	2.9	–	–	3.1	–	–	0.0	–	–
107.0	50.0	–	0.0	–	0.0	–	–	3.2	–	–	0.0	–	–
107.0	55.0	–	0.0	–	2.9	–	–	3.2	–	–	0.0	–	–
107.0	60.0	–	6.3	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0	65.0	–	0.0	–	0.0	–	–	0.0	–	–	13.5	–	–
107.0	70.0	–	3.1	–	0.0	–	–	0.0	–	–	2.8	–	–
107.0	80.0	–	6.4	–	0.0	–	–	0.0	–	–	0.0	–	–
110.0	35.0	–	0.0	–	–	2.4	–	0.0	–	–	8.2	–	–
110.0	40.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
110.0	45.0	–	2.9	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	50.0	–	0.0	–	–	2.9	–	0.0	–	–	0.0	–	–
110.0	55.0	–	5.8	–	–	2.7	–	0.0	–	–	0.0	–	–
110.0	60.0	–	6.0	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	65.0	–	2.9	–	–	2.8	–	0.0	–	–	0.0	–	–
110.0	70.0	–	3.1	–	–	2.5	–	0.0	–	–	0.0	–	–
110.0	80.0	–	2.9	–	–	2.9	–	0.0	–	–	0.0	–	–
110.0	90.0	–	5.8	–	–	2.6	–	0.0	–	–	0.0	–	–
110.0	100.0	–	2.8	–	–	0.0	–	–	–	–	–	–	–
110.0	120.0	–	9.3	–	–	2.4	–	–	–	–	–	–	–
113.0	35.0	–	3.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0	40.0	–	0.0	–	2.8	–	–	3.0	–	–	0.0	–	–
113.0	45.0	–	0.0	–	2.9	–	–	0.0	–	–	3.0	–	–
113.0	55.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
113.0	60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0	65.0	–	0.0	–	2.8	–	–	3.0	–	–	0.0	–	–
113.0	70.0	–	2.7	–	3.0	–	–	2.9	–	–	0.0	–	–
113.0	80.0	–	0.0	–	0.0	–	–	2.8	–	–	2.7	–	–
113.0	90.0	–	3.1	–	0.0	–	–	3.1	–	–	–	–	–
117.0	40.0	–	0.0	–	2.3	–	–	0.0	–	–	0.0	–	–
117.0	45.0	–	2.9	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	50.0	–	3.4	–	2.6	–	–	0.0	–	–	0.0	–	–
117.0	55.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
117.0	60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
117.0	65.0	–	0.0	–	3.0	–	–	3.0	–	–	0.0	–	–
117.0	70.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
117.0	80.0	–	9.5	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	90.0	–	5.9	–	5.8	–	–	5.9	–	–	–	–	–
118.0	39.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
120.0	45.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0	50.0	–	5.9	–	–	0.0	–	3.4	–	–	0.0	–	–

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	55.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0	60.0	–	0.0	–	–	0.0	–	3.4	–	–	0.0	–	–
120.0	65.0	–	2.9	–	–	0.0	–	3.3	–	–	0.0	–	–
120.0	70.0	–	0.0	–	–	0.0	–	–	3.0	–	0.0	–	–
120.0	80.0	–	6.9	–	–	2.8	–	–	0.0	–	–	–	–
120.0	90.0	–	3.3	–	–	2.9	–	–	–	–	–	–	–
123.0	50.0	–	0.0	–	5.6	–	–	–	0.0	–	2.6	–	–
123.0	55.0	–	0.0	–	0.0	–	–	–	6.0	–	0.0	–	–
123.0	60.0	–	0.0	–	0.0	–	–	–	2.8	–	2.7	–	–
123.0	65.0	–	0.0	–	5.9	–	–	–	5.9	–	0.0	–	–
123.0	70.0	–	0.0	–	0.0	–	–	–	5.4	–	0.0	–	–
127.0	45.0	–	0.0	–	2.9	–	–	–	0.0	–	0.0	–	–
127.0	50.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	80.0	–	0.0	–	5.6	–	–	–	0.0	–	–	–	–
130.0	45.0	–	3.3	–	–	0.0	–	–	0.0	–	2.8	–	–
130.0	50.0	–	0.0	–	–	2.7	–	–	0.0	–	0.0	–	–
130.0	70.0	–	0.0	–	–	2.8	–	–	11.4	–	0.0	–	–
130.0	80.0	–	3.3	–	–	0.0	–	–	9.1	–	–	–	–
133.0	30.0	–	3.2	–	0.0	–	–	–	2.9	–	0.0	–	–
133.0	40.0	–	0.0	–	0.0	–	–	–	6.3	–	0.0	–	–
133.0	50.0	–	0.0	–	0.0	–	–	–	2.9	–	0.0	–	–
133.0	55.0	–	0.0	–	8.7	–	–	–	0.0	–	0.0	–	–
133.0	70.0	–	0.0	–	–	0.0	–	–	5.1	–	–	–	–
133.0	80.0	–	0.0	–	–	0.0	–	–	5.6	–	–	–	–
137.0	40.0	–	3.2	–	–	0.0	–	–	–	–	2.7	–	–
137.0	45.0	–	0.0	–	–	0.0	–	–	–	–	2.7	–	–
137.0	50.0	–	0.0	–	–	0.0	–	–	2.9	–	0.0	–	–
137.0	55.0	–	0.0	–	–	0.0	–	–	0.0	–	5.4	–	–
137.0	80.0	–	0.0	–	–	0.0	–	–	6.0	–	–	–	–

Symbolophorus californiensis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	–	–	–	0.0	–	–	0.0	–	–	1.4	–	–
80.0	70.0	0.0	–	–	2.9	–	–	0.0	–	–	0.0	–	–
80.0	80.0	0.0	–	–	2.6	–	–	0.0	–	–	0.0	–	–
80.0	100.0	2.7	–	–	0.0	–	–	–	–	–	–	–	–
80.0	110.0	2.9	–	–	–	–	–	–	–	–	–	–	–
80.0	120.0	0.0	–	–	6.0	–	–	–	–	–	–	–	–
83.0	65.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
83.0	70.0	0.0	–	–	0.0	–	–	2.6	–	–	0.0	–	–
83.0	80.0	0.0	–	–	0.0	–	–	0.0	–	–	10.4	–	–
83.0	100.0	–	3.1	–	–	–	–	–	–	–	–	–	–
87.0	60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
87.0	65.0	–	0.0	–	0.0	–	–	5.1	–	–	2.7	–	–

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
87.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	8.5	–	–
90.0 70.0	0.0	–	–	–	0.0	–	3.0	–	–	0.0	–	–
90.0 80.0	0.0	–	–	–	0.0	–	0.0	–	–	5.6	–	–
90.0 90.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
90.0 110.0	2.7	–	–	–	–	–	–	–	–	–	–	–
90.0 180.0	0.0	–	–	5.5	–	–	–	–	–	–	–	–
93.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
93.0 70.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
97.0 40.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
97.0 50.0	–	0.0	–	0.0	–	–	4.2	–	–	0.0	–	–
97.0 70.0	–	0.0	–	2.6	–	–	0.0	–	–	0.0	–	–
97.0 90.0	–	3.0	–	0.0	–	–	–	–	–	0.0	–	–
97.0 110.0	–	14.9	–	–	–	–	–	–	–	–	–	–
97.0 120.0	–	5.3	–	–	–	–	–	–	–	–	–	–
100.0 35.0	–	0.0	–	–	0.0	–	2.8	–	–	2.5	–	–
100.0 50.0	–	3.0	–	–	0.0	–	3.0	–	–	0.0	–	–
100.0 55.0	–	0.0	–	–	2.5	–	0.0	–	–	0.0	–	–
100.0 65.0	–	0.0	–	–	8.6	–	0.0	–	–	0.0	–	–
100.0 70.0	–	3.0	–	–	12.1	–	0.0	–	–	0.0	–	–
100.0 80.0	–	6.0	–	–	2.8	–	0.0	–	–	0.0	–	–
100.0 100.0	–	0.0	–	–	8.3	–	–	–	–	–	–	–
100.0 120.0	–	11.2	–	–	0.0	–	–	–	–	–	–	–
103.0 40.0	–	2.8	–	3.3	–	–	0.0	–	–	0.0	–	–
103.0 45.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
103.0 50.0	–	0.0	–	11.0	–	–	3.1	–	–	2.8	–	–
103.0 55.0	–	5.7	–	8.9	–	–	0.0	–	–	0.0	–	–
103.0 60.0	–	0.0	–	8.6	–	–	0.0	–	–	0.0	–	–
103.0 65.0	–	3.1	–	27.4	–	–	0.0	–	–	0.0	–	–
103.0 70.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
103.0 80.0	–	9.1	–	0.0	–	–	2.9	–	–	0.0	–	–
107.0 40.0	–	0.0	–	3.0	–	–	6.4	–	–	0.0	–	–
107.0 50.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
107.0 60.0	–	6.3	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 65.0	–	3.2	–	3.0	–	–	3.2	–	–	0.0	–	–
107.0 80.0	–	3.2	–	11.1	–	–	0.0	–	–	0.0	–	–
107.0 90.0	–	0.0	–	5.9	–	–	0.0	–	–	0.0	–	–
110.0 35.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–
110.0 45.0	–	0.0	–	–	5.5	–	0.0	–	–	0.0	–	–
110.0 50.0	–	0.0	–	–	8.6	–	0.0	–	–	0.0	–	–
110.0 55.0	–	0.0	–	–	5.5	–	0.0	–	–	0.0	–	–
110.0 60.0	–	3.0	–	–	8.3	–	0.0	–	–	0.0	–	–
110.0 65.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–
110.0 70.0	–	0.0	–	–	2.5	–	0.0	–	–	0.0	–	–
110.0 120.0	–	0.0	–	–	4.7	–	–	–	–	–	–	–
113.0 50.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0 80.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
117.0 50.0	–	0.0	–	7.8	–	–	0.0	–	–	0.0	–	–
117.0 60.0	–	0.0	–	0.0	–	–	2.8	–	–	0.0	–	–
117.0 90.0	–	11.8	–	0.0	–	–	0.0	–	–	–	–	–

Tarletonbeania crenularis

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 52.0	12.1	–	–	2.4	–	–	–	–	–	–	–	–
60.0 60.0	45.2	–	–	9.7	–	–	–	–	–	–	–	–
60.0 80.0	0.0	–	–	2.4	–	–	–	–	–	–	–	–
60.0 90.0	0.0	–	–	32.5	–	–	–	–	–	–	–	–
60.0 100.0	0.0	–	–	15.1	–	–	–	–	–	–	–	–
60.0 120.0	0.0	–	–	12.6	–	–	–	–	–	–	–	–
63.0 49.7	–	–	–	0.3	–	–	–	–	–	–	–	–
63.0 51.0	–	–	–	2.2	–	–	–	–	–	–	–	–
63.0 52.0	2.3	–	–	8.1	–	–	–	–	–	–	–	–
63.0 55.0	15.1	–	–	16.8	–	–	–	–	–	–	–	–
63.0 60.0	77.7	–	–	2.8	–	–	–	–	–	–	–	–
67.0 50.0	2.5	–	–	0.0	–	–	–	–	–	–	–	–
67.0 55.0	0.0	–	–	15.6	–	–	–	–	–	–	–	–
67.0 60.0	72.7	–	–	2.7	–	–	–	–	–	–	–	–
70.0 51.0	–	–	–	5.7	–	–	–	–	–	–	–	–
70.0 52.0	–	–	–	23.6	–	–	–	–	–	–	–	–
70.0 53.0	2.4	–	–	50.4	–	–	–	–	–	–	–	–
70.0 60.0	2.9	–	–	0.0	–	–	–	–	–	–	–	–
70.0 70.0	78.8	–	–	0.0	–	–	–	–	–	–	–	–
70.0 80.0	38.4	–	–	0.0	–	–	–	–	–	–	–	–
70.0 90.0	24.8	–	–	0.0	–	–	–	–	–	–	–	–
70.0 100.0	19.9	–	–	2.5	–	–	–	–	–	–	–	–
70.0 120.0	15.3	–	–	2.4	–	–	–	–	–	–	–	–
73.0 53.0	14.5	–	–	3.1	–	–	–	–	–	–	–	–
73.0 60.0	11.4	–	–	2.8	–	–	–	–	–	–	–	–
77.0 51.0	2.8	–	–	2.6	–	–	–	–	–	–	–	–
77.0 55.0	12.1	–	–	5.2	–	–	–	–	–	–	–	–
77.0 57.0	14.5	–	–	2.8	–	–	–	–	–	–	–	–
80.0 55.0	5.9	–	–	0.0	–	–	0.0	–	–	0.0	–	–
80.0 60.0	17.0	–	–	3.2	–	–	11.5	–	–	0.0	–	–
80.0 65.0	13.1	–	–	3.3	–	–	5.3	–	–	0.0	–	–
80.0 70.0	0.0	–	–	0.0	–	–	5.3	–	–	0.0	–	–
80.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	2.8	–	–
80.0 90.0	0.0	–	–	3.0	–	–	0.0	–	–	0.0	–	–
83.0 55.0	8.9	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0 60.0	2.4	–	–	9.7	–	–	0.0	–	–	2.7	–	–
83.0 65.0	2.6	–	–	0.0	–	–	4.6	–	–	0.0	–	–

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	75.0	3.2	–	–	–	–	–	–	–	–	–	–	–
83.0	80.0	3.1	–	–	3.1	–	–	0.0	–	–	0.0	–	–
83.0	85.0	3.3	–	–	–	–	–	–	–	–	–	–	–
83.0	90.0	14.1	–	–	3.1	–	–	2.8	–	–	0.0	–	–
83.0	95.0	13.3	–	–	–	–	–	–	–	–	–	–	–
83.0	100.0	–	9.4	–	–	–	–	–	–	–	–	–	–
83.0	105.0	–	8.7	–	–	–	–	–	–	–	–	–	–
83.0	110.0	–	3.3	–	–	–	–	–	–	–	–	–	–
83.0	115.0	–	7.9	–	–	–	–	–	–	–	–	–	–
83.0	120.0	–	3.1	–	–	–	–	–	–	–	–	–	–
87.0	34.0	–	–	–	34.4	–	–	0.0	–	–	0.0	–	–
87.0	40.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	45.0	–	6.1	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	55.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
87.0	60.0	–	0.0	–	3.3	–	–	0.0	–	–	0.0	–	–
87.0	65.0	–	19.8	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	70.0	–	18.3	–	0.0	–	–	2.7	–	–	0.0	–	–
87.0	75.0	–	3.1	–	–	–	–	–	–	–	–	–	–
87.0	80.0	–	6.6	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	85.0	–	3.4	–	–	–	–	–	–	–	–	–	–
87.0	90.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
87.0	100.0	–	6.6	–	–	–	–	–	–	–	–	–	–
87.0	105.0	–	22.4	–	–	–	–	–	–	–	–	–	–
87.0	110.0	–	35.1	–	–	–	–	–	–	–	–	–	–
87.0	115.0	–	17.1	–	–	–	–	–	–	–	–	–	–
90.0	28.0	–	5.4	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	37.0	–	2.8	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	45.0	–	11.8	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	53.0	–	5.6	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	60.0	–	0.0	–	–	3.1	–	0.0	–	–	0.0	–	–
90.0	70.0	3.1	–	–	–	2.6	–	0.0	–	–	0.0	–	–
90.0	80.0	2.9	–	–	–	2.3	–	0.0	–	–	0.0	–	–
90.0	100.0	2.9	–	–	0.0	–	–	–	–	–	–	–	–
90.0	120.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
93.0	28.0	–	3.0	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	30.0	–	2.9	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	65.0	–	3.5	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	70.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
97.0	35.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0	40.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
97.0	60.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
97.0	65.0	–	0.0	–	8.3	–	–	0.0	–	–	0.0	–	–
97.0	70.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
103.0	35.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
103.0	45.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
117.0	65.0	–	2.9	–	0.0	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	70.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–

Synodus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	27.0	–	–	–	0.0	–	–	0.0	–	–	1.3	–	–
113.0	29.0	–	–	–	0.0	–	–	0.0	–	–	2.4	–	–
113.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	11.5	–	–
113.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	5.5	–	–
117.0	24.8	–	–	–	0.0	–	–	0.0	–	–	1.0	–	–
117.0	25.0	–	–	–	0.0	–	–	0.0	–	–	0.9	–	–
117.0	26.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
117.0	55.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
117.0	60.0	–	0.0	–	0.0	–	–	0.0	–	–	5.4	–	–
118.0	39.0	–	3.0	–	0.0	–	–	0.0	–	–	0.0	–	–
119.0	33.0	–	0.0	–	–	0.0	–	0.0	–	–	7.7	–	–
120.0	25.0	–	0.0	–	0.0	–	–	0.0	–	–	142.6	–	–
120.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	34.0	–	–
120.0	35.0	–	0.0	–	–	0.0	–	0.0	–	–	57.4	–	–
120.0	40.0	–	0.0	–	–	0.0	–	0.0	–	–	23.9	–	–
120.0	45.0	–	0.0	–	–	0.0	–	0.0	–	–	5.7	–	–
123.0	35.6	–	–	–	–	–	–	–	–	–	0.9	–	–
123.0	36.0	–	–	–	0.0	–	–	–	0.0	–	5.5	–	–
123.0	37.0	–	0.0	–	0.0	–	–	–	0.0	–	9.6	–	–
123.0	45.0	–	0.0	–	0.0	–	–	–	0.0	–	5.2	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	8.1	–	–
127.0	40.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.7	–	–
130.0	26.0	–	–	–	–	0.0	–	–	0.0	–	0.6	–	–
130.0	28.0	–	–	–	–	0.0	–	–	0.0	–	3.2	–	–
130.0	30.0	–	0.0	–	–	0.0	–	–	0.0	–	5.0	–	–
130.0	35.0	–	0.0	–	–	0.0	–	–	0.0	–	44.1	–	–
130.0	40.0	–	6.8	–	–	0.0	–	–	0.0	–	38.4	–	–
130.0	45.0	–	6.7	–	–	0.0	–	–	0.0	–	0.0	–	–
133.0	21.0	–	–	–	0.0	–	–	–	6.3	–	1.9	–	–
133.0	23.0	–	–	–	0.0	–	–	–	0.0	–	5.6	–	–
133.0	25.0	–	18.7	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0	30.0	–	29.0	–	0.0	–	–	–	0.0	–	16.8	–	–
133.0	40.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
137.0	20.0	–	–	–	–	0.0	–	–	–	–	0.7	–	–
137.0	21.0	–	–	–	–	0.0	–	–	–	–	1.2	–	–
137.0	22.0	–	–	–	–	0.0	–	–	–	–	5.4	–	–
137.0	23.0	–	0.0	–	–	0.0	–	–	–	–	28.7	–	–
137.0	35.0	–	0.0	–	–	0.0	–	–	–	–	2.7	–	–

TABLE 4. (cont.)

Merluccius productus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	0.0	–	–	9.7	–	–	–	–	–	–	–	–
60.0	90.0	0.0	–	–	9.3	–	–	–	–	–	–	–	–
60.0	100.0	0.0	–	–	21.1	–	–	–	–	–	–	–	–
63.0	50.0	–	–	–	0.6	–	–	–	–	–	–	–	–
63.0	51.0	–	–	–	4.4	–	–	–	–	–	–	–	–
63.0	52.0	0.0	–	–	8.1	–	–	–	–	–	–	–	–
63.0	55.0	0.0	–	–	33.6	–	–	–	–	–	–	–	–
63.0	60.0	0.0	–	–	8.3	–	–	–	–	–	–	–	–
67.0	49.0	–	–	–	13.8	–	–	–	–	–	–	–	–
67.0	50.0	0.0	–	–	10.2	–	–	–	–	–	–	–	–
67.0	55.0	5.9	–	–	15.6	–	–	–	–	–	–	–	–
67.0	60.0	0.0	–	–	42.6	–	–	–	–	–	–	–	–
70.0	50.0	–	–	–	8.1	–	–	–	–	–	–	–	–
70.0	51.0	–	–	–	2.8	–	–	–	–	–	–	–	–
70.0	52.0	–	–	–	49.8	–	–	–	–	–	–	–	–
70.0	53.0	0.0	–	–	30.8	–	–	–	–	–	–	–	–
70.0	60.0	2.9	–	–	55.0	–	–	–	–	–	–	–	–
70.0	70.0	0.0	–	–	119.7	–	–	–	–	–	–	–	–
73.0	49.4	–	–	–	42.9	–	–	–	–	–	–	–	–
73.0	50.0	–	–	–	34.4	–	–	–	–	–	–	–	–
73.0	51.0	–	–	–	25.7	–	–	–	–	–	–	–	–
73.0	53.0	2.9	–	–	0.0	–	–	–	–	–	–	–	–
73.0	60.0	0.0	–	–	5.6	–	–	–	–	–	–	–	–
77.0	49.0	–	–	–	16.6	–	–	–	–	–	–	–	–
77.0	50.0	–	–	–	29.9	–	–	–	–	–	–	–	–
77.0	51.0	5.6	–	–	7.7	–	–	–	–	–	–	–	–
77.0	55.0	0.0	–	–	2.6	–	–	–	–	–	–	–	–
77.0	57.0	5.8	–	–	0.0	–	–	–	–	–	–	–	–
80.0	50.2	–	–	–	0.8	–	–	–	–	–	0.0	–	–
80.0	52.0	0.0	–	–	5.0	–	–	0.0	–	–	0.0	–	–
80.0	55.0	0.0	–	–	148.5	–	–	0.0	–	–	2.7	–	–
80.0	60.0	2.8	–	–	83.7	–	–	0.0	–	–	0.0	–	–
80.0	65.0	0.0	–	–	16.5	–	–	0.0	–	–	0.0	–	–
80.0	70.0	0.0	–	–	83.5	–	–	0.0	–	–	0.0	–	–
80.0	80.0	0.0	–	–	57.6	–	–	0.0	–	–	0.0	–	–
80.0	90.0	0.0	–	–	62.6	–	–	0.0	–	–	0.0	–	–
80.0	100.0	0.0	–	–	36.7	–	–	–	–	–	–	–	–
82.0	47.0	2.9	–	–	39.8	–	–	0.0	–	–	0.0	–	–
83.0	43.0	0.0	–	–	143.2	–	–	0.0	–	–	0.0	–	–
83.0	51.0	4.0	–	–	2.8	–	–	0.0	–	–	0.0	–	–
83.0	55.0	17.7	–	–	25.3	–	–	0.0	–	–	0.0	–	–
83.0	60.0	16.9	–	–	68.0	–	–	0.0	–	–	0.0	–	–
83.0	65.0	0.0	–	–	34.4	–	–	0.0	–	–	0.0	–	–
83.0	70.0	3.3	–	–	72.7	–	–	0.0	–	–	0.0	–	–
83.0	80.0	3.1	–	–	37.4	–	–	0.0	–	–	0.0	–	–
83.0	85.0	6.5	–	–	–	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	90.0	0.0	-	-	9.3	-	-	0.0	-	-	0.0	-	-
83.0	95.0	2.7	-	-	-	-	-	-	-	-	-	-	-
87.0	33.0	-	-	-	2.3	-	-	0.0	-	-	0.0	-	-
87.0	34.0	-	-	-	17.2	-	-	0.0	-	-	0.0	-	-
87.0	35.0	-	84.8	-	109.9	-	-	0.0	-	-	0.0	-	-
87.0	40.0	-	178.4	-	20.4	-	-	0.0	-	-	0.0	-	-
87.0	45.0	-	231.8	-	16.6	-	-	0.0	-	-	0.0	-	-
87.0	50.0	-	41.2	-	2.6	-	-	0.0	-	-	0.0	-	-
87.0	55.0	-	0.0	-	6.7	-	-	0.0	-	-	0.0	-	-
87.0	60.0	-	0.0	-	92.1	-	-	0.0	-	-	0.0	-	-
87.0	65.0	-	0.0	-	133.6	-	-	0.0	-	-	0.0	-	-
87.0	70.0	-	6.1	-	152.3	-	-	0.0	-	-	0.0	-	-
87.0	80.0	-	0.0	-	37.6	-	-	0.0	-	-	0.0	-	-
87.0	90.0	-	0.0	-	18.3	-	-	0.0	-	-	0.0	-	-
90.0	28.0	-	27.0	-	-	5.7	-	0.0	-	-	0.0	-	-
90.0	32.0	-	72.9	-	-	2.8	-	0.0	-	-	0.0	-	-
90.0	37.0	-	103.6	-	-	5.6	-	0.0	-	-	0.0	-	-
90.0	45.0	-	367.5	-	-	20.8	-	0.0	-	-	0.0	-	-
90.0	53.0	-	25.3	-	-	12.1	-	0.0	-	-	0.0	-	-
90.0	60.0	-	9.2	-	-	15.5	-	0.0	-	-	0.0	-	-
90.0	65.0	0.0	-	-	-	4.2	-	0.0	-	-	0.0	-	-
90.0	70.0	0.0	-	-	-	7.7	-	0.0	-	-	0.0	-	-
90.0	90.0	0.0	-	-	2.7	-	-	0.0	-	-	0.0	-	-
93.0	27.0	-	-	-	11.9	-	-	0.0	-	-	0.0	-	-
93.0	28.0	-	3.0	-	58.1	-	-	0.0	-	-	0.0	-	-
93.0	30.0	-	25.7	-	16.6	-	-	0.0	-	-	0.0	-	-
93.0	35.0	-	35.1	-	31.4	-	-	0.0	-	-	0.0	-	-
93.0	40.0	-	9.3	-	8.9	-	-	0.0	-	-	0.0	-	-
93.0	45.0	-	18.8	-	6.5	-	-	0.0	-	-	0.0	-	-
93.0	50.0	-	0.0	-	88.7	-	-	0.0	-	-	0.0	-	-
93.0	55.0	-	3.3	-	11.3	-	-	0.0	-	-	0.0	-	-
93.0	60.0	-	10.3	-	29.3	-	-	0.0	-	-	0.0	-	-
93.0	65.0	-	6.9	-	3.0	-	-	0.0	-	-	0.0	-	-
93.0	70.0	-	12.6	-	8.5	-	-	0.0	-	-	0.0	-	-
93.0	80.0	-	3.2	-	6.2	-	-	0.0	-	-	0.0	-	-
93.0	90.0	-	0.0	-	5.8	-	-	-	-	-	0.0	-	-
97.0	29.0	-	-	-	1.6	-	-	0.0	-	-	0.0	-	-
97.0	30.0	-	2.3	-	0.0	-	-	0.0	-	-	0.0	-	-
97.0	32.0	-	9.8	-	0.0	-	-	0.0	-	-	0.0	-	-
97.0	35.0	-	10.1	-	22.7	-	-	0.0	-	-	0.0	-	-
97.0	40.0	-	6.3	-	49.5	-	-	0.0	-	-	0.0	-	-
97.0	45.0	-	15.4	-	35.2	-	-	0.0	-	-	0.0	-	-
97.0	50.0	-	9.5	-	19.4	-	-	0.0	-	-	0.0	-	-
97.0	55.0	-	26.8	-	14.4	-	-	0.0	-	-	0.0	-	-
97.0	60.0	-	13.6	-	29.3	-	-	0.0	-	-	0.0	-	-
97.0	65.0	-	43.5	-	46.8	-	-	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	70.0	–	10.6	–	2.6	–	–	0.0	–	–	0.0	–	–
100.0	30.0	–	17.2	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	35.0	–	24.4	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	40.0	–	36.6	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	45.0	–	3.1	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	50.0	–	21.1	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	55.0	–	6.1	–	–	5.1	–	0.0	–	–	0.0	–	–
100.0	60.0	–	6.1	–	–	2.8	–	0.0	–	–	0.0	–	–
100.0	65.0	–	59.0	–	–	2.8	–	0.0	–	–	0.0	–	–
103.0	29.0	–	–	–	1.7	–	–	0.0	–	–	0.0	–	–
103.0	30.0	–	77.0	–	7.9	–	–	0.0	–	–	0.0	–	–
103.0	35.0	–	34.6	–	12.0	–	–	0.0	–	–	0.0	–	–
103.0	40.0	–	11.2	–	3.3	–	–	0.0	–	–	0.0	–	–
103.0	55.0	–	205.2	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0	60.0	–	9.7	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	31.0	–	–	–	2.6	–	–	0.0	–	–	0.0	–	–
107.0	32.0	–	165.3	–	5.6	–	–	0.0	–	–	0.0	–	–
107.0	35.0	–	8617.2	–	2.8	–	–	0.0	–	–	0.0	–	–
107.0	40.0	–	887.3	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	45.0	–	66.8	–	23.3	–	–	0.0	–	–	0.0	–	–
107.0	50.0	–	24.9	–	2.9	–	–	0.0	–	–	0.0	–	–
107.0	55.0	–	6.6	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	60.0	–	6.3	–	0.0	–	–	0.0	–	–	0.0	–	–
110.0	32.0	–	33.8	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	35.0	–	60.8	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	40.0	–	275.7	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	55.0	–	14.4	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	65.0	–	2.9	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	70.0	–	6.1	–	–	0.0	–	0.0	–	–	0.0	–	–
113.0	28.5	–	–	–	2.5	–	–	–	–	–	0.0	–	–
113.0	29.0	–	–	–	2.8	–	–	0.0	–	–	0.0	–	–
113.0	35.0	–	273.9	–	3.0	–	–	0.0	–	–	0.0	–	–
113.0	40.0	–	378.2	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	45.0	–	35.5	–	2.9	–	–	0.0	–	–	0.0	–	–
113.0	55.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	60.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
115.0	35.0	–	8.7	–	–	0.0	–	–	–	–	–	–	–
117.0	30.0	–	0.0	–	5.4	–	–	0.0	–	–	0.0	–	–
117.0	35.0	–	0.0	–	12.0	–	–	0.0	–	–	0.0	–	–
117.0	40.0	–	48.2	–	2.3	–	–	0.0	–	–	0.0	–	–
117.0	45.0	–	99.3	–	8.8	–	–	0.0	–	–	0.0	–	–
117.0	50.0	–	53.8	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	55.0	–	6.4	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	65.0	–	0.0	–	15.2	–	–	0.0	–	–	0.0	–	–
117.0	80.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
118.0	39.0	–	32.7	–	3.0	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
119.0	33.0	–	0.0	–	–	1.8	–	19.0	–	–	0.0	–	–
120.0	30.0	–	0.0	–	2.1	–	–	0.0	–	–	0.0	–	–
120.0	35.0	–	0.0	–	–	19.5	–	0.0	–	–	0.0	–	–
120.0	45.0	–	0.0	–	–	5.8	–	0.0	–	–	0.0	–	–
120.0	50.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–
120.0	55.0	–	0.0	–	–	0.0	–	13.7	–	–	0.0	–	–
120.0	60.0	–	0.0	–	–	2.8	–	3.4	–	–	0.0	–	–
123.0	37.0	–	6.4	–	0.0	–	–	–	0.0	–	0.0	–	–
123.0	42.0	–	12.6	–	3.2	0.0	–	–	0.0	–	0.0	–	–
123.0	45.0	–	18.4	–	8.1	–	–	–	0.0	–	0.0	–	–
123.0	50.0	–	0.0	–	5.6	–	–	–	0.0	–	0.0	–	–
127.0	34.0	–	5.6	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	40.0	–	100.0	–	8.8	0.0	–	–	0.0	–	0.0	–	–
127.0	50.0	–	0.0	–	3.0	–	–	–	0.0	–	0.0	–	–
127.0	65.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	80.0	–	0.0	–	2.8	–	–	–	0.0	–	–	–	–
130.0	30.0	–	107.0	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0	35.0	–	6.3	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0	40.0	–	30.8	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0	45.0	–	146.5	–	–	0.0	–	–	0.0	–	0.0	–	–
133.0	25.0	–	118.6	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0	30.0	–	199.6	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0	35.0	–	24.3	–	3.0	–	–	–	0.0	–	0.0	–	–
133.0	40.0	–	6.0	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0	45.0	–	2.8	–	0.0	–	–	–	0.0	–	0.0	–	–
137.0	23.0	–	0.0	–	–	0.0	–	–	–	–	4.8	–	–
137.0	35.0	–	3.3	–	–	0.0	–	–	–	–	0.0	–	–
137.0	60.0	–	3.3	–	–	0.0	–	–	0.0	–	0.0	–	–
140.0	30.0	–	71.8	–	–	2.6	–	–	–	–	–	–	–

Physiculus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	45.0	–	3.1	–	0.0	–	–	–	0.0	–	0.0	–	–

Macrouridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
90.0	100.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
90.0	120.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
93.0	65.0	–	3.5	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0	32.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
120.0	70.0	–	0.0	–	–	2.9	–	–	0.0	–	0.0	–	–

TABLE 4. (cont.)

Ophidiiformes

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
82.0	47.0	0.0	–	–	5.7	–	–	0.0	–	–	0.0	–	–
90.0	70.0	0.0	–	–	–	0.0	–	3.0	–	–	0.0	–	–
93.0	30.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
103.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	1.6	–	–
107.0	40.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	29.0	–	–	–	0.0	–	–	0.0	–	–	0.4	–	–
113.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	2.5	–	–
117.0	25.0	–	–	–	0.0	–	–	0.0	–	–	11.4	–	–
117.0	26.0	–	0.0	–	0.0	–	–	0.0	–	–	12.8	–	–
117.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	5.7	–	–
117.0	50.0	–	3.4	–	0.0	–	–	0.0	–	–	0.0	–	–
118.0	39.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
119.0	33.0	–	0.0	–	–	0.0	–	0.0	–	–	64.0	–	–
120.0	22.3	–	–	–	–	–	–	2.4	–	–	–	–	–
120.0	24.0	–	–	–	0.0	–	–	0.0	–	–	1.4	–	–
120.0	25.0	–	0.0	–	0.0	–	–	0.0	–	–	61.4	–	–
120.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	55.9	–	–
120.0	35.0	–	0.0	–	–	0.0	–	0.0	–	–	215.1	–	–
120.0	40.0	–	0.0	–	–	0.0	–	0.0	–	–	60.8	–	–
120.0	50.0	–	0.0	–	–	0.0	–	0.0	–	–	2.6	–	–
123.0	35.6	–	–	–	–	–	–	–	–	–	2.5	–	–
123.0	36.0	–	–	–	0.0	–	–	–	0.0	–	4.1	–	–
123.0	37.0	–	0.0	–	0.0	–	–	–	0.0	–	9.6	–	–
127.0	33.0	–	–	–	0.0	–	–	–	0.0	–	1.3	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	10.8	–	–
133.0	21.0	–	–	–	0.0	–	–	–	0.0	–	0.6	–	–
133.0	23.0	–	–	–	0.0	–	–	–	0.0	–	2.8	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	0.0	–	2.6	–	–
133.0	30.0	–	0.0	–	0.0	–	–	–	0.0	–	22.4	–	–
133.0	35.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–
137.0	20.0	–	–	–	–	0.0	–	–	–	–	0.3	–	–
137.0	21.0	–	–	–	–	0.0	–	–	–	–	2.0	–	–
137.0	22.0	–	–	–	–	0.0	–	–	–	–	12.8	–	–
137.0	23.0	–	0.0	–	–	0.0	–	–	–	–	4.8	–	–
137.0	30.0	–	0.0	–	–	0.0	–	–	–	–	2.8	–	–

Brosmophycis marginata

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	55.0	0.0	–	–	0.0	–	–	2.5	–	–	0.0	–	–
107.0	30.0	–	–	–	0.8	–	–	0.0	–	–	0.0	–	–
107.0	32.0	–	0.0	–	5.6	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Chilara taylori

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	–	–	–	0.0	–	–	0.0	–	–	8.6	–	–
80.0	65.0	0.0	–	–	0.0	–	–	0.0	–	–	2.8	–	–
82.0	47.0	0.0	–	–	0.0	–	–	0.0	–	–	9.7	–	–
87.0	50.0	–	0.0	–	0.0	–	–	0.0	–	–	3.4	–	–
87.0	60.0	–	0.0	–	0.0	–	–	2.7	–	–	0.0	–	–
90.0	28.0	–	0.0	–	–	0.0	–	0.0	–	–	2.9	–	–
90.0	60.0	–	0.0	–	–	0.0	–	6.1	–	–	0.0	–	–
93.0	65.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
103.0	55.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
113.0	29.0	–	–	–	0.0	–	–	0.0	–	–	0.8	–	–
113.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0	60.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
117.0	24.8	–	–	–	0.0	–	–	1.6	–	–	0.0	–	–
123.0	37.0	–	0.0	–	0.0	–	–	–	0.0	–	2.4	–	–
123.0	65.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–

Ophidion scrippsae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	2.3	–	–	0.0	–	–	–	–	–	–	–	–
82.0	47.0	0.0	–	–	0.0	–	–	0.0	–	–	4.8	–	–
83.0	39.0	–	–	–	0.0	–	–	0.0	–	–	1.8	–	–
83.0	40.0	0.0	–	–	0.0	–	–	3.4	–	–	33.1	–	–
83.0	43.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
87.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
87.0	40.0	–	0.0	–	0.0	–	–	0.0	–	–	5.3	–	–
87.0	45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
87.0	55.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
93.0	26.5	–	–	–	0.0	–	–	0.0	–	–	0.1	–	–
93.0	27.0	–	–	–	0.0	–	–	0.0	–	–	1.3	–	–
97.0	29.0	–	–	–	0.0	–	–	0.0	–	–	0.6	–	–
97.0	30.0	–	0.0	–	0.0	–	–	2.7	–	–	1.4	–	–
97.0	32.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
100.0	29.0	–	–	–	–	0.0	–	0.0	–	–	0.2	–	–
103.0	29.0	–	–	–	0.0	–	–	0.0	–	–	0.8	–	–
103.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	4.9	–	–
113.0	29.0	–	–	–	0.0	–	–	0.0	–	–	0.8	–	–
113.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	0.8	–	–
113.0	60.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	26.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
117.0	60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
119.0	33.0	–	0.0	–	–	0.0	–	0.0	–	–	35.8	–	–
120.0	22.8	–	–	–	–	–	–	–	–	–	0.6	–	–
120.0	24.0	–	–	–	0.0	–	–	0.0	–	–	0.9	–	–
120.0	25.0	–	0.0	–	0.0	–	–	0.0	–	–	59.4	–	–

TABLE 4. (cont.)

Ophidion scrippsae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	12.2	–	–
120.0	35.0	–	0.0	–	–	0.0	–	0.0	–	–	88.4	–	–
120.0	40.0	–	0.0	–	–	0.0	–	72.1	–	–	13.0	–	–
120.0	50.0	–	0.0	–	–	0.0	–	6.8	–	–	0.0	–	–
123.0	35.6	–	–	–	–	–	–	–	–	–	1.1	–	–
123.0	36.0	–	–	–	0.0	–	–	–	0.0	–	0.7	–	–
123.0	37.0	–	0.0	–	0.0	–	–	–	0.0	–	9.6	–	–
127.0	33.0	–	–	–	0.0	–	–	–	0.0	–	4.0	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	2.7	–	–
130.0	25.5	–	–	–	–	0.0	–	–	0.0	–	0.6	–	–
130.0	26.0	–	–	–	–	0.0	–	–	3.4	–	1.2	–	–
130.0	28.0	–	–	–	–	0.0	–	–	65.5	–	1.1	–	–
130.0	30.0	–	0.0	–	–	0.0	–	–	67.9	–	2.5	–	–
130.0	35.0	–	0.0	–	–	0.0	–	–	0.0	–	11.8	–	–
130.0	40.0	–	0.0	–	–	0.0	–	–	0.0	–	5.5	–	–
133.0	21.0	–	–	–	0.0	–	–	–	19.0	–	3.8	–	–
133.0	23.0	–	–	–	0.0	–	–	–	24.6	–	5.6	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	102.4	–	2.6	–	–
133.0	30.0	–	0.0	–	0.0	–	–	–	2.9	–	19.6	–	–
133.0	35.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–
133.0	45.0	–	0.0	–	0.0	–	–	–	0.0	–	2.7	–	–
137.0	21.0	–	–	–	–	0.0	–	–	–	–	1.7	–	–
137.0	22.0	–	–	–	–	0.0	–	–	–	–	9.6	–	–
137.0	23.0	–	0.0	–	–	0.0	–	–	–	–	2.4	–	–
137.0	55.0	–	0.0	–	–	0.0	–	–	2.8	–	0.0	–	–

Porichthys spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	1.6	–	–

Ceratioidei

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	80.0	0.0	–	–	0.0	–	–	0.0	–	–	2.8	–	–
80.0	200.0	0.0	–	–	3.5	–	–	–	–	–	–	–	–
83.0	80.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
93.0	90.0	–	0.0	–	0.0	–	–	–	–	–	2.5	–	–
97.0	90.0	–	0.0	–	0.0	–	–	–	–	–	2.8	–	–
103.0	70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
103.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0	65.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	7.9	–	–
107.0	90.0	–	0.0	–	0.0	–	–	0.0	–	–	13.9	–	–

TABLE 4. (cont.)

Ceratioidei (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	90.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–
113.0	70.0	–	0.0	–	0.0	–	–	0.0	–	–	5.4	–	–
113.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
120.0	65.0	–	0.0	–	–	0.0	–	0.0	–	–	2.6	–	–
123.0	80.0	–	0.0	–	0.0	–	–	–	2.9	–	–	–	–
127.0	70.0	–	0.0	–	0.0	–	–	–	2.9	–	0.0	–	–
133.0	60.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–

Gobiesocidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	1.6	–	–
120.0	22.3	–	–	–	–	–	–	11.8	–	–	–	–	–
120.0	23.0	–	–	–	0.0	–	–	2.1	–	–	–	–	–
120.0	25.0	–	0.0	–	0.0	–	–	0.0	–	–	2.0	–	–
133.0	23.0	–	–	–	0.0	–	–	–	0.0	–	1.4	–	–

Exocoetidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	45.0	–	0.0	–	0.0	–	–	–	5.9	–	0.0	–	–

Cololabis saira

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	90.0	0.0	–	–	2.3	–	–	–	–	–	–	–	–
80.0	65.0	0.0	–	–	6.6	–	–	0.0	–	–	0.0	–	–
80.0	70.0	0.0	–	–	2.9	–	–	0.0	–	–	0.0	–	–
83.0	80.0	0.0	–	–	3.1	–	–	0.0	–	–	0.0	–	–
83.0	90.0	3.5	–	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	85.0	–	3.4	–	–	–	–	–	–	–	–	–	–
87.0	115.0	–	10.3	–	–	–	–	–	–	–	–	–	–
90.0	80.0	0.0	–	–	–	2.3	–	0.0	–	–	0.0	–	–
107.0	65.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	40.0	–	0.0	–	236.9	–	–	0.0	–	–	0.0	–	–
118.0	39.0	–	0.0	–	18.2	–	–	0.0	–	–	0.0	–	–
120.0	80.0	–	0.0	–	–	2.8	–	–	0.0	–	–	–	–
130.0	35.0	–	3.1	–	–	0.0	–	–	0.0	–	0.0	–	–

TABLE 4. (cont.)

Atherinidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
82.0 47.0	0.0	–	–	0.0	–	–	6.4	–	–	0.0	–	–
83.0 39.0	–	–	–	1.1	–	–	0.0	–	–	0.0	–	–
96.8 28.7	–	–	–	0.7	–	–	–	–	–	–	–	–
97.0 30.0	–	0.0	–	2.3	–	–	0.0	–	–	0.0	–	–
103.0 29.0	–	–	–	1.7	–	–	0.0	–	–	0.0	–	–
107.0 30.0	–	–	–	4.2	–	–	0.0	–	–	0.0	–	–
133.0 19.5	–	–	–	4.7	–	–	–	–	–	–	–	–
133.0 21.0	–	–	–	5.1	–	–	–	0.0	–	0.0	–	–
133.0 40.0	–	0.0	–	2.9	–	–	–	0.0	–	0.0	–	–

Trachipteridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 60.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
70.0 80.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
70.0 90.0	0.0	–	–	2.4	–	–	–	–	–	–	–	–
73.0 53.0	0.0	–	–	3.1	–	–	–	–	–	–	–	–
83.0 80.0	0.0	–	–	3.1	–	–	0.0	–	–	0.0	–	–
83.0 115.0	–	2.6	–	–	–	–	–	–	–	–	–	–
87.0 34.0	–	–	–	0.0	–	–	2.8	–	–	0.0	–	–
87.0 100.0	–	3.3	–	–	–	–	–	–	–	–	–	–
90.0 65.0	0.0	–	–	–	0.0	–	2.8	–	–	0.0	–	–
90.0 90.0	0.0	–	–	2.7	–	–	0.0	–	–	0.0	–	–
97.0 55.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
100.0 80.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 90.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
103.0 60.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
103.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0 55.0	–	0.0	–	0.0	–	–	3.2	–	–	0.0	–	–
120.0 70.0	–	0.0	–	–	0.0	–	–	0.0	–	2.7	–	–
123.0 45.0	–	0.0	–	0.0	–	–	–	0.0	–	2.6	–	–
130.0 45.0	–	0.0	–	–	0.0	–	–	0.0	–	2.8	–	–
137.0 55.0	–	0.0	–	–	0.0	–	–	0.0	–	2.7	–	–

Melamphaes spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 60.0	6.0	–	–	0.0	–	–	–	–	–	–	–	–
60.0 140.0	2.9	–	–	2.7	–	–	–	–	–	–	–	–
60.0 160.0	0.0	–	–	5.7	–	–	–	–	–	–	–	–
60.0 180.0	2.9	–	–	0.0	–	–	–	–	–	–	–	–
60.0 200.0	5.5	–	–	5.5	–	–	–	–	–	–	–	–
67.0 60.0	3.2	–	–	0.0	–	–	–	–	–	–	–	–
70.0 70.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 80.0	3.0	–	–	3.0	–	–	–	–	–	–	–	–
70.0 100.0	0.0	–	–	4.9	–	–	–	–	–	–	–	–
70.0 120.0	5.1	–	–	0.0	–	–	–	–	–	–	–	–
73.0 51.0	–	–	–	2.9	–	–	–	–	–	–	–	–
77.0 57.0	0.0	–	–	5.6	–	–	–	–	–	–	–	–
80.0 80.0	2.7	–	–	2.6	–	–	0.0	–	–	8.3	–	–
80.0 90.0	2.9	–	–	3.0	–	–	0.0	–	–	0.0	–	–
80.0 100.0	2.7	–	–	0.0	–	–	–	–	–	–	–	–
80.0 120.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
80.0 200.0	0.0	–	–	5.3	–	–	–	–	–	–	–	–
83.0 70.0	0.0	–	–	3.2	–	–	5.2	–	–	0.0	–	–
83.0 80.0	0.0	–	–	3.1	–	–	5.7	–	–	0.0	–	–
83.0 90.0	0.0	–	–	3.1	–	–	5.6	–	–	0.0	–	–
83.0 100.0	–	6.3	–	–	–	–	–	–	–	–	–	–
83.0 105.0	–	2.9	–	–	–	–	–	–	–	–	–	–
83.0 120.0	–	6.3	–	–	–	–	–	–	–	–	–	–
87.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
87.0 80.0	–	3.3	–	3.1	–	–	0.0	–	–	0.0	–	–
87.0 85.0	–	3.4	–	–	–	–	–	–	–	–	–	–
87.0 90.0	–	0.0	–	9.1	–	–	0.0	–	–	0.0	–	–
87.0 95.0	–	3.0	–	–	–	–	–	–	–	–	–	–
87.0 110.0	–	3.5	–	–	–	–	–	–	–	–	–	–
87.0 115.0	–	3.4	–	–	–	–	–	–	–	–	–	–
90.0 70.0	0.0	–	–	–	0.0	–	3.0	–	–	0.0	–	–
90.0 80.0	2.9	–	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0 90.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
90.0 140.0	2.6	–	–	2.8	–	–	–	–	–	–	–	–
90.0 160.0	0.0	–	–	5.6	–	–	–	–	–	–	–	–
90.0 180.0	5.5	–	–	13.8	–	–	–	–	–	–	–	–
90.0 200.0	2.7	–	–	2.8	–	–	–	–	–	–	–	–
93.0 40.0	–	0.0	–	0.0	–	–	6.1	–	–	0.0	–	–
93.0 45.0	–	0.0	–	0.0	–	–	6.5	–	–	0.0	–	–
93.0 80.0	–	0.0	–	6.2	–	–	0.0	–	–	0.0	–	–
93.0 90.0	–	3.2	–	5.8	–	–	–	–	–	0.0	–	–
93.0 110.0	–	3.0	–	–	–	–	–	–	–	–	–	–
93.0 120.0	–	3.0	–	–	–	–	–	–	–	–	–	–
97.0 50.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
97.0 55.0	–	6.7	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0 65.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0 70.0	–	3.5	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0 100.0	–	2.9	–	–	–	–	–	–	–	–	–	–
97.0 120.0	–	2.7	–	–	–	–	–	–	–	–	–	–
100.0 45.0	–	0.0	–	–	0.0	–	2.8	–	–	0.0	–	–
100.0 65.0	–	5.9	–	–	2.8	–	0.0	–	–	0.0	–	–
100.0 70.0	–	0.0	–	–	24.1	–	6.2	–	–	0.0	–	–
100.0 80.0	–	3.0	–	–	2.8	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0 90.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
103.0 40.0	–	0.0	–	0.0	–	–	3.2	–	–	0.0	–	–
103.0 50.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
103.0 55.0	–	2.8	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0 60.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
103.0 65.0	–	0.0	–	2.7	–	–	0.0	–	–	2.7	–	–
103.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
103.0 80.0	–	0.0	–	6.1	–	–	2.9	–	–	0.0	–	–
103.0 90.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0 40.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
107.0 60.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 80.0	–	3.2	–	2.8	–	–	3.0	–	–	0.0	–	–
107.0 90.0	–	3.2	–	0.0	–	–	0.0	–	–	2.8	–	–
110.0 35.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–
110.0 40.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
110.0 45.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–
110.0 55.0	–	0.0	–	–	2.7	–	0.0	–	–	0.0	–	–
110.0 90.0	–	0.0	–	–	10.4	–	0.0	–	–	0.0	–	–
110.0 120.0	–	0.0	–	–	2.4	–	–	–	–	–	–	–
113.0 55.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0 65.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
113.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	5.4	–	–
113.0 80.0	–	2.9	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0 90.0	–	0.0	–	0.0	–	–	6.1	–	–	–	–	–
117.0 60.0	–	0.0	–	0.0	–	–	8.3	–	–	0.0	–	–
117.0 70.0	–	0.0	–	0.0	–	–	9.1	–	–	0.0	–	–
117.0 90.0	–	3.0	–	2.9	–	–	11.8	–	–	–	–	–
118.0 39.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
120.0 60.0	–	0.0	–	–	0.0	–	6.8	–	–	0.0	–	–
120.0 100.0	–	3.2	–	–	0.0	–	–	–	–	–	–	–
120.0 120.0	–	0.0	–	–	3.0	–	–	–	–	–	–	–
123.0 50.0	–	0.0	–	0.0	–	–	–	2.6	–	0.0	–	–
123.0 55.0	–	0.0	–	3.0	–	–	–	0.0	–	0.0	–	–
123.0 60.0	–	0.0	–	0.0	–	–	–	2.8	–	0.0	–	–
123.0 65.0	–	0.0	–	0.0	–	–	–	14.9	–	0.0	–	–
123.0 70.0	–	3.0	–	0.0	–	–	–	8.0	–	2.7	–	–
123.0 80.0	–	0.0	–	0.0	–	–	–	11.6	–	–	–	–
127.0 40.0	–	0.0	–	2.9	0.0	–	–	0.0	–	0.0	–	–
127.0 50.0	–	0.0	–	3.0	–	–	–	0.0	–	0.0	–	–
127.0 70.0	–	2.9	–	0.0	–	–	–	0.0	–	0.0	–	–
130.0 35.0	–	0.0	–	–	0.0	–	–	3.3	–	0.0	–	–
130.0 45.0	–	3.3	–	–	0.0	–	–	3.4	–	0.0	–	–
130.0 50.0	–	3.1	–	–	0.0	–	–	0.0	–	0.0	–	–
130.0 70.0	–	0.0	–	–	5.7	–	–	2.9	–	0.0	–	–
130.0 80.0	–	0.0	–	–	0.0	–	–	3.0	–	–	–	–
133.0 35.0	–	0.0	–	3.0	–	–	–	0.0	–	0.0	–	–

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0 45.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
133.0 50.0	–	0.0	–	0.0	–	–	–	2.9	–	0.0	–	–
133.0 80.0	–	0.0	–	–	3.1	–	–	11.2	–	–	–	–
137.0 35.0	–	3.3	–	–	0.0	–	–	–	–	0.0	–	–
137.0 65.0	–	–	–	–	–	–	–	3.0	–	–	–	–
137.0 80.0	–	0.0	–	–	0.0	–	–	3.0	–	–	–	–

Poromitra spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0 60.0	0.0	–	–	0.0	–	–	5.8	–	–	0.0	–	–
80.0 80.0	0.0	–	–	0.0	–	–	5.5	–	–	5.5	–	–
83.0 65.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
83.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
90.0 100.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
90.0 130.0	2.9	–	–	–	–	–	–	–	–	–	–	–
90.0 160.0	8.1	–	–	0.0	–	–	–	–	–	–	–	–
103.0 45.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
103.0 60.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
103.0 65.0	–	0.0	–	8.2	–	–	0.0	–	–	0.0	–	–
103.0 70.0	–	6.1	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0 80.0	–	3.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0 55.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
107.0 60.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 80.0	–	3.2	–	2.8	–	–	0.0	–	–	0.0	–	–
110.0 45.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–
110.0 60.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–
113.0 55.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
117.0 50.0	–	3.4	–	0.0	–	–	0.0	–	–	3.0	–	–
117.0 90.0	–	0.0	–	2.9	–	–	0.0	–	–	–	–	–
120.0 80.0	–	0.0	–	–	2.8	–	–	0.0	–	–	–	–
127.0 45.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0 80.0	–	0.0	–	2.8	–	–	–	0.0	–	–	–	–
137.0 45.0	–	0.0	–	–	0.0	–	–	–	–	2.7	–	–

Scopeloberyx robustus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 200.0	0.0	–	–	10.7	–	–	–	–	–	–	–	–
90.0 140.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Scopelogadus bispinosus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 160.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
100.0 60.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 80.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
103.0 55.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
110.0 80.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
113.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
117.0 35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
117.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
117.0 90.0	–	0.0	–	2.9	–	–	0.0	–	–	–	–	–
120.0 80.0	–	3.4	–	–	0.0	–	–	0.0	–	–	–	–

Macroramphosus gracilis

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	3.0	–	–
123.0 65.0	–	3.2	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0 45.0	–	9.1	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0 50.0	–	8.9	–	0.0	–	–	–	0.0	–	0.0	–	–
133.0 60.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–
137.0 80.0	–	3.3	–	–	0.0	–	–	0.0	–	–	–	–

Syngnathus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0 39.0	–	–	–	0.0	–	–	1.1	–	–	0.0	–	–
87.0 32.5	–	–	–	0.0	–	–	0.0	–	–	0.1	–	–
87.0 40.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
90.0 80.0	0.0	–	–	–	2.3	–	0.0	–	–	0.0	–	–
107.0 30.0	–	–	–	0.0	–	–	0.0	–	–	0.4	–	–
113.0 28.5	–	–	–	0.0	–	–	–	–	–	0.3	–	–
123.0 36.0	–	–	–	0.0	–	–	–	0.0	–	0.7	–	–
127.0 40.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.7	–	–

Agonidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 52.0	0.0	–	–	2.4	–	–	–	–	–	–	–	–
67.0 49.0	–	–	–	3.4	–	–	–	–	–	–	–	–
80.0 50.0	–	–	–	–	–	–	1.3	–	–	–	–	–
80.0 50.2	–	–	–	0.3	–	–	–	–	–	0.3	–	–
80.0 52.0	0.0	–	–	5.0	–	–	2.8	–	–	0.0	–	–
83.0 51.0	2.0	–	–	0.0	–	–	0.0	–	–	0.0	–	–
90.0 28.0	–	0.0	–	–	0.0	–	2.9	–	–	0.0	–	–

TABLE 4. (cont.)

Agonidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	27.0	–	–	–	0.0	–	–	5.1	–	–	0.0	–	–
97.0	30.0	–	0.0	–	2.3	–	–	0.0	–	–	0.0	–	–
103.0	28.5	–	–	–	1.0	–	–	–	–	–	0.0	–	–
103.0	29.0	–	–	–	3.4	–	–	0.0	–	–	0.0	–	–
110.0	32.0	–	0.0	–	–	3.8	–	0.0	–	–	0.0	–	–
113.0	28.5	–	–	–	1.3	–	–	–	–	–	0.0	–	–
117.0	26.0	–	0.0	–	2.4	–	–	0.0	–	–	0.0	–	–

Cottidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	49.2	–	–	–	1.0	–	–	–	–	–	–	–	–
63.0	50.0	–	–	–	0.6	–	–	–	–	–	–	–	–
70.0	50.0	–	–	–	10.8	–	–	–	–	–	–	–	–
73.0	49.4	–	–	–	2.7	–	–	–	–	–	–	–	–
73.0	50.0	–	–	–	9.6	–	–	–	–	–	–	–	–
73.0	51.0	–	–	–	2.9	–	–	–	–	–	–	–	–
77.0	47.6	–	–	–	2.3	–	–	–	–	–	–	–	–
77.0	48.0	–	–	–	41.2	–	–	–	–	–	–	–	–
77.0	49.0	–	–	–	13.4	–	–	–	–	–	–	–	–
77.0	50.0	–	–	–	39.1	–	–	–	–	–	–	–	–
80.0	50.2	–	–	–	0.3	–	–	–	–	–	0.3	–	–
80.0	51.0	–	–	–	1.4	–	–	0.0	–	–	1.4	–	–
80.0	55.0	0.0	–	–	0.0	–	–	2.5	–	–	0.0	–	–
83.0	43.0	0.0	–	–	7.2	–	–	0.0	–	–	0.0	–	–
83.0	51.0	19.9	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0	60.0	0.0	–	–	3.2	–	–	0.0	–	–	0.0	–	–
87.0	50.0	–	2.9	–	0.0	–	–	14.8	–	–	3.4	–	–
87.0	55.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
93.0	26.5	–	–	–	1.3	–	–	0.0	–	–	0.0	–	–
97.0	29.0	–	–	–	1.6	–	–	4.8	–	–	0.0	–	–
97.0	30.0	–	0.0	–	0.0	–	–	2.7	–	–	0.0	–	–
100.0	29.0	–	–	–	–	3.5	–	0.0	–	–	0.0	–	–
107.0	30.0	–	–	–	9.1	–	–	0.0	–	–	0.0	–	–
107.0	31.0	–	–	–	18.3	–	–	0.0	–	–	0.0	–	–
110.0	32.0	–	3.8	–	–	0.0	–	0.0	–	–	0.0	–	–
113.0	28.5	–	–	–	1.3	–	–	–	–	–	0.0	–	–
120.0	30.0	–	0.0	–	0.0	–	–	2.5	–	–	0.0	–	–
120.0	40.0	–	0.0	–	–	14.3	–	0.0	–	–	0.0	–	–

Scorpaenichthys marmoratus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	15.1	–	–	0.0	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Scorpaenichthys marmoratus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	55.0	0.0	–	–	2.6	–	–	–	–	–	–	–	–
77.0	49.0	–	–	–	1.6	–	–	–	–	–	–	–	–
77.0	50.0	–	–	–	6.9	–	–	–	–	–	–	–	–
90.0	28.0	–	2.7	–	–	0.0	–	0.0	–	–	0.0	–	–
113.0	35.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
120.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	2.4	–	–

Cyclopteridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	51.0	–	–	–	3.1	–	–	–	–	–	–	–	–
60.0	52.0	0.0	–	–	2.4	–	–	–	–	–	–	–	–
60.0	80.0	0.0	–	–	2.4	–	–	–	–	–	–	–	–
80.0	50.0	–	–	–	–	–	–	2.6	–	–	–	–	–
80.0	60.0	0.0	–	–	3.2	–	–	0.0	–	–	0.0	–	–
87.0	65.0	–	0.0	–	3.9	–	–	0.0	–	–	0.0	–	–
97.0	30.0	–	0.0	–	2.3	–	–	0.0	–	–	0.0	–	–
100.0	29.0	–	–	–	–	1.8	–	0.0	–	–	0.0	–	–
103.0	30.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
110.0	32.0	–	0.0	–	–	1.9	–	3.3	–	–	0.0	–	–
120.0	24.0	–	–	–	0.0	–	–	5.4	–	–	0.0	–	–

Oxylebius pictus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	50.0	2.5	–	–	0.0	–	–	–	–	–	–	–	–
77.0	55.0	0.0	–	–	2.6	–	–	–	–	–	–	–	–
80.0	55.0	0.0	–	–	2.8	–	–	0.0	–	–	0.0	–	–
83.0	51.0	0.0	–	–	2.8	–	–	0.0	–	–	0.0	–	–
83.0	55.0	0.0	–	–	3.2	–	–	0.0	–	–	0.0	–	–
93.0	40.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
97.0	30.0	–	0.0	–	2.3	–	–	0.0	–	–	0.0	–	–

Zaniolepis spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	50.0	–	–	–	0.6	–	–	–	–	–	–	–	–
63.0	52.0	2.3	–	–	0.0	–	–	–	–	–	–	–	–
67.0	50.0	0.0	–	–	5.1	–	–	–	–	–	–	–	–
73.0	49.4	–	–	–	2.7	–	–	–	–	–	–	–	–
80.0	51.0	–	–	–	0.0	–	–	3.1	–	–	0.0	–	–
80.0	60.0	2.8	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0	51.0	0.0	–	–	0.0	–	–	0.0	–	–	2.9	–	–

TABLE 4. (cont.)

Zaniolepis spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	29.0	–	–	–	1.6	–	–	0.0	–	–	0.0	–	–
120.0	30.0	–	0.0	–	2.1	–	–	0.0	–	–	0.0	–	–
123.0	36.0	–	–	–	2.4	–	–	–	0.0	–	0.0	–	–
123.5	35.6	–	–	–	0.8	–	–	–	–	–	–	–	–
127.0	32.6	–	–	–	1.3	–	–	–	–	–	0.0	–	–

Scorpaenidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	26.0	–	–	–	–	0.0	–	–	0.0	–	0.6	–	–
133.0	21.0	–	–	–	0.0	–	–	–	0.0	–	1.3	–	–

Scorpaena spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	35.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
107.0	50.0	–	0.0	–	0.0	–	–	3.2	–	–	0.0	–	–
113.0	60.0	–	0.0	–	0.0	–	–	8.9	–	–	0.0	–	–
113.0	70.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
113.0	90.0	–	0.0	–	0.0	–	–	3.1	–	–	–	–	–
117.0	45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
117.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
120.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	2.4	–	–
120.0	50.0	–	0.0	–	–	0.0	–	27.4	–	–	0.0	–	–
120.0	55.0	–	0.0	–	–	0.0	–	54.7	–	–	0.0	–	–
120.0	60.0	–	0.0	–	–	0.0	–	111.9	–	–	0.0	–	–
120.0	65.0	–	0.0	–	–	0.0	–	6.6	–	–	0.0	–	–
123.0	42.0	–	0.0	–	0.0	0.0	–	–	3.2	–	0.0	–	–
123.0	45.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
123.0	60.0	–	0.0	–	0.0	–	–	–	2.8	–	0.0	–	–
127.0	45.0	–	0.0	–	0.0	–	–	–	4.5	–	0.0	–	–
130.0	35.0	–	0.0	–	–	0.0	–	–	9.8	–	0.0	–	–

Sebastes spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	51.0	–	–	–	1.6	–	–	–	–	–	–	–	–
60.0	52.0	254.1	–	–	2.4	–	–	–	–	–	–	–	–
60.0	55.0	0.0	–	–	30.2	–	–	–	–	–	–	–	–
60.0	60.0	1113.7	–	–	9.7	–	–	–	–	–	–	–	–
60.0	70.0	26.9	–	–	0.0	–	–	–	–	–	–	–	–
60.0	80.0	106.1	–	–	4.8	–	–	–	–	–	–	–	–
60.0	90.0	91.8	–	–	4.6	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	100.0	51.3	–	–	12.1	–	–	–	–	–	–	–	–
60.0	120.0	0.0	–	–	3.1	–	–	–	–	–	–	–	–
60.0	140.0	0.0	–	–	2.7	–	–	–	–	–	–	–	–
63.0	50.0	–	–	–	1.3	–	–	–	–	–	–	–	–
63.0	51.0	–	–	–	13.3	–	–	–	–	–	–	–	–
63.0	52.0	3710.6	–	–	72.9	–	–	–	–	–	–	–	–
63.0	55.0	13358.2	–	–	532.0	–	–	–	–	–	–	–	–
63.0	60.0	29.9	–	–	13.8	–	–	–	–	–	–	–	–
67.0	50.0	361.0	–	–	179.2	–	–	–	–	–	–	–	–
67.0	55.0	26.6	–	–	83.2	–	–	–	–	–	–	–	–
67.0	60.0	12.6	–	–	16.0	–	–	–	–	–	–	–	–
70.0	50.0	–	–	–	110.7	–	–	–	–	–	–	–	–
70.0	51.0	–	–	–	102.2	–	–	–	–	–	–	–	–
70.0	52.0	–	–	–	283.0	–	–	–	–	–	–	–	–
70.0	53.0	23.8	–	–	151.2	–	–	–	–	–	–	–	–
70.0	60.0	26.5	–	–	50.0	–	–	–	–	–	–	–	–
70.0	70.0	9.1	–	–	223.0	–	–	–	–	–	–	–	–
70.0	80.0	106.2	–	–	0.0	–	–	–	–	–	–	–	–
70.0	90.0	3.1	–	–	0.0	–	–	–	–	–	–	–	–
70.0	100.0	2.8	–	–	0.0	–	–	–	–	–	–	–	–
73.0	49.4	–	–	–	20.1	–	–	–	–	–	–	–	–
73.0	50.0	–	–	–	47.8	–	–	–	–	–	–	–	–
73.0	51.0	–	–	–	48.6	–	–	–	–	–	–	–	–
73.0	53.0	5.8	–	–	0.0	–	–	–	–	–	–	–	–
73.0	60.0	17.0	–	–	0.0	–	–	–	–	–	–	–	–
77.0	48.0	–	–	–	15.8	–	–	–	–	–	–	–	–
77.0	49.0	–	–	–	20.5	–	–	–	–	–	–	–	–
77.0	50.0	–	–	–	34.5	–	–	–	–	–	–	–	–
77.0	51.0	469.3	–	–	10.3	–	–	–	–	–	–	–	–
77.0	55.0	9.1	–	–	10.5	–	–	–	–	–	–	–	–
77.0	57.0	26.1	–	–	2.8	–	–	–	–	–	–	–	–
80.0	50.2	–	–	–	10.5	–	–	–	–	–	0.6	–	–
80.0	51.0	–	–	–	0.0	–	–	0.0	–	–	14.4	–	–
80.0	52.0	158.7	–	–	40.0	–	–	5.6	–	–	21.7	–	–
80.0	55.0	98.0	–	–	38.5	–	–	5.1	–	–	2.7	–	–
80.0	60.0	5.7	–	–	3.2	–	–	5.8	–	–	0.0	–	–
80.0	65.0	23.6	–	–	0.0	–	–	0.0	–	–	0.0	–	–
80.0	70.0	0.0	–	–	0.0	–	–	10.6	–	–	0.0	–	–
80.0	75.0	2.9	–	–	–	–	–	–	–	–	–	–	–
82.0	47.0	38.0	–	–	28.4	–	–	19.1	–	–	4.8	–	–
83.0	39.0	–	–	–	0.0	–	–	0.0	–	–	0.2	–	–
83.0	40.0	0.0	–	–	0.0	–	–	2.3	–	–	0.0	–	–
83.0	43.0	125.6	–	–	85.9	–	–	37.3	–	–	0.0	–	–
83.0	51.0	75.6	–	–	71.0	–	–	18.1	–	–	2.9	–	–
83.0	55.0	123.9	–	–	69.5	–	–	0.0	–	–	2.7	–	–
83.0	60.0	16.9	–	–	25.9	–	–	80.9	–	–	0.0	–	–

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	65.0	0.0	-	-	25.0	-	-	9.2	-	-	0.0	-	-
83.0	70.0	0.0	-	-	3.2	-	-	0.0	-	-	0.0	-	-
83.0	80.0	9.4	-	-	0.0	-	-	0.0	-	-	0.0	-	-
83.0	85.0	22.9	-	-	-	-	-	-	-	-	-	-	-
83.0	95.0	18.6	-	-	-	-	-	-	-	-	-	-	-
83.0	100.0	-	3.1	-	-	-	-	-	-	-	-	-	-
83.0	105.0	-	2.9	-	-	-	-	-	-	-	-	-	-
83.0	110.0	-	3.3	-	-	-	-	-	-	-	-	-	-
87.0	32.5	-	-	-	14.2	-	-	0.0	-	-	0.0	-	-
87.0	33.0	-	-	-	71.6	-	-	2.7	-	-	1.2	-	-
87.0	34.0	-	-	-	244.2	-	-	0.0	-	-	1.4	-	-
87.0	35.0	-	91.3	-	65.9	-	-	17.2	-	-	13.7	-	-
87.0	40.0	-	1546.2	-	37.4	-	-	3.0	-	-	2.7	-	-
87.0	45.0	-	591.7	-	156.5	-	-	0.0	-	-	2.8	-	-
87.0	50.0	-	732.1	-	108.2	-	-	2.5	-	-	6.9	-	-
87.0	55.0	-	3.4	-	16.9	-	-	11.5	-	-	0.0	-	-
87.0	60.0	-	0.0	-	16.5	-	-	13.7	-	-	0.0	-	-
87.0	65.0	-	0.0	-	11.8	-	-	15.2	-	-	0.0	-	-
87.0	70.0	-	0.0	-	0.0	-	-	2.7	-	-	0.0	-	-
90.0	27.5	-	-	-	-	1.2	-	2.5	-	-	0.3	-	-
90.0	28.0	-	94.5	-	-	11.4	-	0.0	-	-	5.8	-	-
90.0	32.0	-	25.4	-	-	8.6	-	0.0	-	-	0.0	-	-
90.0	37.0	-	30.8	-	-	5.6	-	2.7	-	-	3.1	-	-
90.0	45.0	-	158.8	-	-	20.8	-	11.2	-	-	2.8	-	-
90.0	53.0	-	70.3	-	-	33.2	-	0.0	-	-	3.1	-	-
90.0	65.0	2.5	-	-	-	6.3	-	13.9	-	-	0.0	-	-
93.0	27.0	-	-	-	7.9	-	-	0.0	-	-	10.3	-	-
93.0	28.0	-	45.2	-	61.6	-	-	0.0	-	-	3.5	-	-
93.0	30.0	-	82.9	-	16.6	-	-	11.5	-	-	3.2	-	-
93.0	35.0	-	82.9	-	34.5	-	-	8.6	-	-	12.7	-	-
93.0	40.0	-	105.7	-	5.9	-	-	0.0	-	-	0.0	-	-
93.0	45.0	-	84.8	-	104.6	-	-	3.3	-	-	0.0	-	-
93.0	50.0	-	6.4	-	197.3	-	-	0.0	-	-	0.0	-	-
93.0	55.0	-	10.1	-	17.0	-	-	0.0	-	-	0.0	-	-
93.0	60.0	-	6.9	-	0.0	-	-	0.0	-	-	0.0	-	-
93.0	65.0	-	3.5	-	11.9	-	-	0.0	-	-	0.0	-	-
93.0	70.0	-	0.0	-	0.0	-	-	3.0	-	-	0.0	-	-
97.0	29.0	-	-	-	1.6	-	-	0.0	-	-	1.9	-	-
97.0	30.0	-	56.2	-	98.5	-	-	0.0	-	-	0.0	-	-
97.0	32.0	-	32.6	-	2.8	-	-	0.0	-	-	10.8	-	-
97.0	35.0	-	0.0	-	19.9	-	-	0.0	-	-	0.0	-	-
97.0	40.0	-	0.0	-	46.6	-	-	3.1	-	-	0.0	-	-
97.0	45.0	-	0.0	-	70.3	-	-	3.4	-	-	0.0	-	-
97.0	50.0	-	0.0	-	11.1	-	-	4.2	-	-	0.0	-	-
97.0	55.0	-	3.3	-	20.2	-	-	0.0	-	-	0.0	-	-
97.0	65.0	-	0.0	-	2.8	-	-	5.8	-	-	0.0	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	70.0	–	0.0	–	0.0	–	–	5.9	–	–	0.0	–	–
100.0	29.0	–	–	–	–	21.2	–	0.0	–	–	0.0	–	–
100.0	30.0	–	3.4	–	–	108.7	–	0.0	–	–	0.0	–	–
100.0	35.0	–	0.0	–	–	19.5	–	0.0	–	–	0.0	–	–
100.0	40.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	50.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	55.0	–	0.0	–	–	12.7	–	0.0	–	–	0.0	–	–
100.0	60.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–
103.0	28.5	–	–	–	3.1	–	–	–	–	–	0.0	–	–
103.0	29.0	–	–	–	34.0	–	–	0.0	–	–	0.4	–	–
103.0	30.0	–	77.0	–	106.9	–	–	0.0	–	–	1.6	–	–
103.0	35.0	–	5.8	–	56.8	–	–	0.0	–	–	0.0	–	–
103.0	45.0	–	8.5	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0	50.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	30.0	–	–	–	3.3	–	–	0.0	–	–	0.0	–	–
107.0	31.0	–	–	–	41.9	–	–	0.0	–	–	0.0	–	–
107.0	32.0	–	243.9	–	28.1	–	–	3.1	–	–	0.0	–	–
107.0	35.0	–	240.5	–	2.8	–	–	0.0	–	–	2.9	–	–
107.0	40.0	–	113.8	–	0.0	–	–	0.0	–	–	5.9	–	–
107.0	45.0	–	0.0	–	8.7	–	–	0.0	–	–	0.0	–	–
107.0	50.0	–	0.0	–	5.7	–	–	0.0	–	–	0.0	–	–
107.0	60.0	–	6.3	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	65.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
110.0	32.0	–	15.0	–	–	17.2	–	0.0	–	–	0.0	–	–
110.0	35.0	–	0.0	–	–	0.0	–	9.8	–	–	0.0	–	–
110.0	40.0	–	0.0	–	–	2.4	–	0.0	–	–	0.0	–	–
113.0	29.0	–	–	–	4.1	–	–	0.0	–	–	0.0	–	–
113.0	30.0	–	178.5	–	2.1	–	–	0.0	–	–	2.5	–	–
113.0	35.0	–	15.1	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	40.0	–	99.2	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	45.0	–	9.7	–	8.7	–	–	0.0	–	–	0.0	–	–
113.0	60.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
115.0	35.0	–	14.5	–	–	11.5	–	–	–	–	–	–	–
117.0	24.8	–	–	–	3.7	–	–	0.0	–	–	0.0	–	–
117.0	25.0	–	–	–	6.4	–	–	0.0	–	–	0.0	–	–
117.0	26.0	–	4.1	–	2.4	–	–	0.0	–	–	0.0	–	–
117.0	30.0	–	3.0	–	2.7	–	–	0.0	–	–	0.0	–	–
117.0	35.0	–	55.5	–	18.1	–	–	0.0	–	–	0.0	–	–
117.0	40.0	–	33.1	–	9.2	–	–	0.0	–	–	0.0	–	–
117.0	45.0	–	52.6	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	50.0	–	23.5	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	65.0	–	0.0	–	42.6	–	–	0.0	–	–	0.0	–	–
118.0	39.0	–	80.2	–	21.3	–	–	0.0	–	–	0.0	–	–
120.0	24.0	–	–	–	1.8	–	–	0.0	–	–	0.0	–	–
120.0	25.0	–	0.0	–	10.2	–	–	0.0	–	–	0.0	–	–
120.0	50.0	–	0.0	–	–	0.0	–	3.4	–	–	0.0	–	–

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	55.0	-	0.0	-	-	2.7	-	0.0	-	-	0.0	-	-
120.0	60.0	-	0.0	-	-	8.6	-	0.0	-	-	0.0	-	-
120.0	65.0	-	0.0	-	-	13.6	-	0.0	-	-	0.0	-	-
120.0	70.0	-	0.0	-	-	17.4	-	-	0.0	-	0.0	-	-
123.0	36.0	-	-	-	26.6	-	-	-	0.0	-	0.0	-	-
123.0	37.0	-	146.7	-	147.6	-	-	-	2.7	-	0.0	-	-
123.0	42.0	-	25.2	-	6.4	0.0	-	-	0.0	-	0.0	-	-
123.0	45.0	-	12.2	-	24.4	-	-	-	0.0	-	0.0	-	-
123.0	50.0	-	0.0	-	14.1	-	-	-	0.0	-	0.0	-	-
123.0	60.0	-	0.0	-	2.7	-	-	-	0.0	-	0.0	-	-
123.5	35.6	-	-	-	4.0	-	-	-	-	-	-	-	-
127.0	32.6	-	-	-	1.3	-	-	-	-	-	0.0	-	-
127.0	33.0	-	-	-	7.6	-	-	-	0.0	-	0.0	-	-
127.0	34.0	-	0.0	-	15.8	-	-	-	0.0	-	0.0	-	-
127.0	40.0	-	0.0	-	8.8	0.0	-	-	0.0	-	0.0	-	-
127.0	45.0	-	0.0	-	5.9	-	-	-	0.0	-	0.0	-	-
127.0	50.0	-	0.0	-	6.0	-	-	-	0.0	-	0.0	-	-
127.0	70.0	-	0.0	-	2.9	-	-	-	0.0	-	0.0	-	-
127.0	80.0	-	0.0	-	5.6	-	-	-	0.0	-	-	-	-
130.0	30.0	-	107.0	-	-	0.0	-	-	0.0	-	0.0	-	-
130.0	35.0	-	0.0	-	-	16.9	-	-	0.0	-	0.0	-	-
133.0	30.0	-	0.0	-	14.3	-	-	-	0.0	-	0.0	-	-
133.0	50.0	-	0.0	-	2.8	-	-	-	0.0	-	0.0	-	-
137.0	30.0	-	0.0	-	-	3.0	-	-	-	-	0.0	-	-

Sebastolobus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	0.0	-	-	9.7	-	-	-	-	-	-	-	-
60.0	100.0	0.0	-	-	3.0	-	-	-	-	-	-	-	-
63.0	52.0	0.0	-	-	2.7	-	-	-	-	-	-	-	-
63.0	55.0	0.0	-	-	5.6	-	-	-	-	-	-	-	-
63.0	60.0	0.0	-	-	2.8	-	-	-	-	-	-	-	-
67.0	60.0	0.0	-	-	8.0	-	-	-	-	-	-	-	-
70.0	70.0	0.0	-	-	16.3	-	-	-	-	-	-	-	-
80.0	60.0	0.0	-	-	0.0	-	-	5.8	-	-	0.0	-	-
80.0	70.0	0.0	-	-	0.0	-	-	5.3	-	-	0.0	-	-
87.0	34.0	-	-	-	1.7	-	-	0.0	-	-	0.0	-	-
87.0	35.0	-	0.0	-	3.1	-	-	0.0	-	-	0.0	-	-
87.0	60.0	-	0.0	-	6.6	-	-	0.0	-	-	0.0	-	-
87.0	65.0	-	0.0	-	3.9	-	-	0.0	-	-	0.0	-	-
90.0	60.0	-	0.0	-	-	0.0	-	0.0	-	-	2.8	-	-
93.0	45.0	-	0.0	-	0.0	-	-	0.0	-	-	5.2	-	-
97.0	55.0	-	0.0	-	0.0	-	-	3.1	-	-	0.0	-	-
110.0	65.0	-	0.0	-	-	2.8	-	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Prionotus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	28.5	–	–	–	0.0	–	–	–	–	–	0.6	–	–
113.0	29.0	–	–	–	0.0	–	–	0.0	–	–	0.8	–	–
117.0	25.0	–	–	–	0.0	–	–	0.0	–	–	0.9	–	–
119.0	33.0	–	0.0	–	–	0.0	–	0.0	–	–	12.8	–	–
120.0	22.8	–	–	–	–	–	–	–	–	–	0.3	–	–
120.0	23.0	–	–	–	0.0	–	–	2.1	–	–	–	–	–
120.0	24.0	–	–	–	0.0	–	–	0.0	–	–	0.9	–	–
120.0	25.0	–	0.0	–	0.0	–	–	3.2	–	–	19.8	–	–
120.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	4.9	–	–
120.0	35.0	–	0.0	–	–	0.0	–	0.0	–	–	59.8	–	–
120.0	40.0	–	0.0	–	–	0.0	–	0.0	–	–	13.0	–	–
123.0	35.6	–	–	–	–	–	–	–	–	–	0.2	–	–
123.0	36.0	–	–	–	0.0	–	–	–	0.0	–	1.4	–	–
127.0	33.0	–	–	–	0.0	–	–	–	0.0	–	5.3	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	2.7	–	–
130.0	25.5	–	–	–	–	0.0	–	–	0.0	–	3.2	–	–
130.0	26.0	–	–	–	–	0.0	–	–	0.0	–	6.6	–	–
130.0	28.0	–	–	–	–	0.0	–	–	54.1	–	5.3	–	–
130.0	30.0	–	0.0	–	–	0.0	–	–	4.7	–	9.9	–	–
130.0	35.0	–	0.0	–	–	0.0	–	–	0.0	–	5.9	–	–
133.0	20.5	–	–	–	–	–	–	–	13.2	–	0.9	–	–
133.0	21.0	–	–	–	0.0	–	–	–	259.1	–	37.8	–	–
133.0	23.0	–	–	–	0.0	–	–	–	190.3	–	43.7	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	144.0	–	36.1	–	–
133.0	30.0	–	0.0	–	0.0	–	–	–	0.0	–	39.2	–	–
133.0	35.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–
133.0	45.0	–	0.0	–	0.0	–	–	–	0.0	–	2.7	–	–
137.0	20.0	–	–	–	–	0.0	–	–	–	–	2.4	–	–
137.0	21.0	–	–	–	–	0.0	–	–	–	–	10.4	–	–
137.0	22.0	–	–	–	–	0.0	–	–	–	–	131.6	–	–
137.0	23.0	–	0.0	–	–	0.0	–	–	–	–	138.6	–	–
137.0	30.0	–	0.0	–	–	0.0	–	–	–	–	5.5	–	–
137.0	35.0	–	0.0	–	–	0.0	–	–	–	–	2.7	–	–

Acanthuridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	40.0	–	0.0	–	–	0.0	–	–	–	–	2.7	–	–

Blennioidei

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	49.2	–	–	–	1.0	–	–	–	–	–	–	–	–
67.0	50.0	0.0	–	–	5.1	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Blennioidei (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	47.6	–	–	–	9.3	–	–	–	–	–	–	–	–
77.0	48.0	–	–	–	12.7	–	–	–	–	–	–	–	–
77.0	49.0	–	–	–	3.2	–	–	–	–	–	–	–	–
80.0	52.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
82.0	47.0	0.0	–	–	0.0	–	–	6.4	–	–	0.0	–	–
83.0	39.0	–	–	–	0.0	–	–	2.2	–	–	0.0	–	–
83.0	60.0	2.4	–	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0	55.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
117.0	24.8	–	–	–	0.0	–	–	0.0	–	–	1.3	–	–
120.0	23.0	–	–	–	0.0	–	–	2.1	–	–	–	–	–
120.0	35.0	–	0.0	–	–	0.0	–	30.4	–	–	0.0	–	–
120.0	55.0	–	0.0	–	–	0.0	–	3.4	–	–	0.0	–	–

Hypsoblennius spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	50.0	–	–	–	–	–	–	3.8	–	–	–	–	–
80.0	50.2	–	–	–	0.0	–	–	–	–	–	0.3	–	–
80.0	60.0	0.0	–	–	0.0	–	–	0.0	–	–	2.8	–	–
83.0	39.0	–	–	–	0.0	–	–	7.6	–	–	0.2	–	–
83.0	40.0	0.0	–	–	0.0	–	–	0.0	–	–	1.4	–	–
83.0	43.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
87.0	32.5	–	–	–	2.4	–	–	0.0	–	–	0.8	–	–
87.0	33.0	–	–	–	0.0	–	–	2.7	–	–	0.0	–	–
87.0	34.0	–	–	–	0.0	–	–	2.8	–	–	0.7	–	–
90.0	27.5	–	–	–	–	0.0	–	420.7	–	–	2.4	–	–
90.0	28.0	–	0.0	–	–	0.0	–	8.8	–	–	2.9	–	–
93.0	26.5	–	–	–	1.3	–	–	4.7	–	–	1.3	–	–
93.0	27.0	–	–	–	0.0	–	–	102.0	–	–	6.4	–	–
93.0	28.0	–	0.0	–	0.0	–	–	0.0	–	–	3.5	–	–
93.0	30.0	–	0.0	–	0.0	–	–	11.5	–	–	0.0	–	–
93.0	45.0	–	0.0	–	0.0	–	–	3.3	–	–	0.0	–	–
97.0	28.7	–	–	–	–	–	–	19.6	–	–	0.2	–	–
97.0	29.0	–	–	–	1.6	–	–	0.0	–	–	0.0	–	–
97.0	35.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
100.0	29.0	–	–	–	–	0.0	–	5.0	–	–	0.0	–	–
103.0	28.5	–	–	–	0.0	–	–	–	–	–	0.9	–	–
103.0	29.0	–	–	–	0.0	–	–	6.6	–	–	1.9	–	–
113.0	28.0	–	–	–	–	–	–	0.9	–	–	–	–	–
113.0	28.5	–	–	–	0.0	–	–	–	–	–	0.3	–	–
113.0	29.0	–	–	–	0.0	–	–	4.1	–	–	0.0	–	–
117.0	24.8	–	–	–	0.0	–	–	0.0	–	–	0.3	–	–
120.0	22.3	–	–	–	–	–	–	7.1	–	–	–	–	–
120.0	22.8	–	–	–	–	–	–	–	–	–	2.5	–	–
120.0	23.0	–	–	–	0.0	–	–	6.2	–	–	–	–	–

TABLE 4. (cont.)

Hypsoblennius spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	24.0	-	-	-	0.0	-	-	5.4	-	-	1.4	-	-
120.0	25.0	-	0.0	-	0.0	-	-	3.2	-	-	0.0	-	-
120.0	40.0	-	0.0	-	-	0.0	-	0.0	-	-	2.2	-	-
120.0	55.0	-	0.0	-	-	0.0	-	3.4	-	-	0.0	-	-
123.0	35.6	-	-	-	-	-	-	-	-	-	3.9	-	-
123.0	36.0	-	-	-	0.0	-	-	-	2.2	-	6.2	-	-
123.0	37.0	-	0.0	-	0.0	-	-	-	5.3	-	2.4	-	-
127.0	32.6	-	-	-	0.0	-	-	-	-	-	1.4	-	-
127.0	33.0	-	-	-	0.0	-	-	-	1.3	-	16.0	-	-
127.0	34.0	-	0.0	-	0.0	-	-	-	6.2	-	5.4	-	-
127.0	45.0	-	0.0	-	0.0	-	-	-	0.0	-	2.8	-	-
130.0	25.5	-	-	-	-	0.4	-	-	0.0	-	0.0	-	-
130.0	28.0	-	-	-	-	1.8	-	-	0.0	-	0.0	-	-
130.0	30.0	-	0.0	-	-	0.0	-	-	0.0	-	7.4	-	-
130.0	35.0	-	0.0	-	-	0.0	-	-	9.8	-	2.9	-	-
133.0	30.0	-	0.0	-	0.0	-	-	-	2.9	-	0.0	-	-
133.0	35.0	-	0.0	-	0.0	-	-	-	2.8	-	0.0	-	-
133.0	45.0	-	0.0	-	3.1	-	-	-	0.0	-	0.0	-	-
137.0	21.0	-	-	-	-	0.0	-	-	-	-	0.6	-	-
137.0	22.0	-	-	-	-	0.0	-	-	-	-	2.1	-	-
137.0	23.0	-	0.0	-	-	5.3	-	-	-	-	0.0	-	-
137.0	30.0	-	0.0	-	-	3.0	-	-	-	-	0.0	-	-
137.0	55.0	-	0.0	-	-	0.0	-	-	0.0	-	2.7	-	-

Clinidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	51.0	-	-	-	1.6	-	-	-	-	-	-	-	-
67.0	47.3	-	-	-	0.3	-	-	-	-	-	-	-	-
73.0	50.0	-	-	-	1.9	-	-	-	-	-	-	-	-
77.0	47.6	-	-	-	7.0	-	-	-	-	-	-	-	-
77.0	48.0	-	-	-	12.7	-	-	-	-	-	-	-	-
80.0	50.0	-	-	-	-	-	-	3.8	-	-	-	-	-
80.0	50.2	-	-	-	0.3	-	-	-	-	-	2.6	-	-
83.0	51.0	4.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
87.0	50.0	-	0.0	-	0.0	-	-	0.0	-	-	3.4	-	-
90.0	28.0	-	0.0	-	-	2.8	-	0.0	-	-	0.0	-	-
97.0	28.7	-	-	-	-	-	-	1.3	-	-	0.0	-	-
100.0	29.0	-	-	-	-	1.8	-	2.5	-	-	0.0	-	-
103.0	29.0	-	-	-	1.7	-	-	0.0	-	-	0.0	-	-
103.0	30.0	-	3.0	-	0.0	-	-	9.0	-	-	0.0	-	-
103.0	65.0	-	0.0	-	2.7	-	-	0.0	-	-	0.0	-	-
107.0	30.0	-	-	-	1.7	-	-	0.0	-	-	0.0	-	-
107.0	31.0	-	-	-	5.2	-	-	0.0	-	-	0.0	-	-
107.0	32.0	-	0.0	-	2.8	-	-	3.1	-	-	0.0	-	-

TABLE 4. (cont.)

Clinidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	32.0	–	9.4	–	–	0.0	–	0.0	–	–	0.0	–	–
113.0	40.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
117.0	24.8	–	–	–	1.2	–	–	0.0	–	–	0.0	–	–
117.0	25.0	–	–	–	1.6	–	–	0.0	–	–	0.0	–	–
120.0	35.0	–	0.0	–	–	8.4	–	0.0	–	–	0.0	–	–
120.0	40.0	–	0.0	–	–	9.6	–	0.0	–	–	0.0	–	–
123.0	37.0	–	3.2	–	0.0	–	–	–	0.0	–	0.0	–	–
130.0	26.0	–	–	–	–	0.0	–	–	0.0	–	0.6	–	–
140.0	30.0	–	2.8	–	–	0.0	–	–	–	–	–	–	–

Gobiidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	49.2	–	–	–	1.0	–	–	–	–	–	–	–	–
60.0	50.0	–	–	–	3.0	–	–	–	–	–	–	–	–
60.0	51.0	–	–	–	1.6	–	–	–	–	–	–	–	–
60.0	52.0	2.4	–	–	0.0	–	–	–	–	–	–	–	–
70.0	80.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
73.0	60.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
80.0	51.0	–	–	–	0.0	–	–	0.0	–	–	38.9	–	–
80.0	52.0	0.0	–	–	0.0	–	–	2.8	–	–	13.6	–	–
80.0	55.0	3.0	–	–	0.0	–	–	0.0	–	–	0.0	–	–
82.0	47.0	0.0	–	–	0.0	–	–	0.0	–	–	2.4	–	–
83.0	39.0	–	–	–	0.0	–	–	0.0	–	–	0.7	–	–
83.0	40.0	0.0	–	–	0.0	–	–	1.1	–	–	0.0	–	–
83.0	43.0	3.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
83.0	51.0	6.0	–	–	0.0	–	–	2.6	–	–	5.8	–	–
83.0	55.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
83.0	60.0	9.7	–	–	0.0	–	–	11.6	–	–	0.0	–	–
83.0	70.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
87.0	32.5	–	–	–	1.2	–	–	0.0	–	–	0.0	–	–
87.0	33.0	–	–	–	0.0	–	–	0.0	–	–	0.6	–	–
87.0	34.0	–	–	–	0.0	–	–	2.8	–	–	0.0	–	–
87.0	45.0	–	24.4	–	6.7	–	–	0.0	–	–	0.0	–	–
87.0	50.0	–	2.9	–	0.0	–	–	0.0	–	–	3.4	–	–
87.0	55.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
87.0	70.0	–	0.0	–	3.2	–	–	0.0	–	–	0.0	–	–
90.0	27.5	–	–	–	–	0.0	–	0.0	–	–	1.6	–	–
90.0	32.0	–	0.0	–	–	0.0	–	2.6	–	–	0.0	–	–
90.0	45.0	–	2.9	–	–	0.0	–	2.8	–	–	0.0	–	–
90.0	70.0	0.0	–	–	–	0.0	–	3.0	–	–	0.0	–	–
93.0	26.5	–	–	–	0.0	–	–	0.0	–	–	0.3	–	–
93.0	27.0	–	–	–	0.0	–	–	10.2	–	–	0.0	–	–
93.0	28.0	–	0.0	–	0.0	–	–	0.0	–	–	3.5	–	–
97.0	29.0	–	–	–	0.0	–	–	0.0	–	–	1.3	–	–

TABLE 4. (cont.)

Gobiidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	35.0	–	0.0	–	5.7	–	–	0.0	–	–	0.0	–	–
100.0	29.0	–	–	–	–	3.5	–	0.0	–	–	0.2	–	–
100.0	30.0	–	0.0	–	–	3.0	–	0.0	–	–	5.5	–	–
103.0	29.0	–	–	–	0.0	–	–	0.8	–	–	0.4	–	–
103.0	30.0	–	0.0	–	0.0	–	–	3.0	–	–	1.6	–	–
103.0	35.0	–	0.0	–	0.0	–	–	9.0	–	–	0.0	–	–
103.0	55.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
107.0	32.0	–	0.0	–	2.8	–	–	6.2	–	–	0.0	–	–
107.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	5.9	–	–
107.0	40.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
110.0	32.0	–	1.9	–	–	1.9	–	0.0	–	–	4.1	–	–
113.0	30.0	–	3.9	–	0.0	–	–	0.0	–	–	0.8	–	–
117.0	24.8	–	–	–	0.0	–	–	0.0	–	–	0.3	–	–
120.0	22.8	–	–	–	–	–	–	–	–	–	35.0	–	–
120.0	24.0	–	–	–	0.0	–	–	0.0	–	–	4.6	–	–
120.0	25.0	–	0.0	–	0.0	–	–	0.0	–	–	13.9	–	–
120.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	2.4	–	–
120.0	40.0	–	0.0	–	–	2.4	–	0.0	–	–	17.4	–	–
120.0	45.0	–	0.0	–	–	0.0	–	0.0	–	–	5.7	–	–
123.0	35.6	–	–	–	–	–	–	–	–	–	2.5	–	–
123.0	36.0	–	–	–	0.0	–	–	–	0.0	–	2.8	–	–
130.0	25.5	–	–	–	–	0.0	–	–	0.0	–	0.6	–	–
130.0	35.0	–	0.0	–	–	0.0	–	–	0.0	–	5.9	–	–
130.0	45.0	–	0.0	–	–	0.0	–	–	0.0	–	2.8	–	–
133.0	21.0	–	–	–	1.7	–	–	–	0.0	–	0.0	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	0.0	–	2.6	–	–
133.0	30.0	–	3.2	–	0.0	–	–	–	0.0	–	98.0	–	–
133.0	35.0	–	0.0	–	0.0	–	–	–	0.0	–	5.6	–	–
133.0	55.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
137.0	20.0	–	–	–	–	0.0	–	–	–	–	0.1	–	–
137.0	21.0	–	–	–	–	0.3	–	–	–	–	0.3	–	–
137.0	22.0	–	–	–	–	1.4	–	–	–	–	0.0	–	–
137.0	23.0	–	0.0	–	–	0.0	–	–	–	–	7.2	–	–
137.0	40.0	–	0.0	–	–	0.0	–	–	–	–	19.1	–	–
137.0	45.0	–	0.0	–	–	0.0	–	–	–	–	2.7	–	–
137.0	50.0	–	0.0	–	–	0.0	–	–	0.0	–	10.5	–	–

Icosteus aenigmaticus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	60.0	3.2	–	–	0.0	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Labridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	29.0	–	–	–	0.0	–	–	0.0	–	–	0.4	–	–
117.0	24.8	–	–	–	0.0	–	–	0.0	–	–	0.3	–	–
120.0	25.0	–	0.0	–	0.0	–	–	9.6	–	–	0.0	–	–
120.0	45.0	–	0.0	–	–	0.0	–	3.0	–	–	0.0	–	–
120.0	55.0	–	0.0	–	–	0.0	–	6.8	–	–	0.0	–	–
133.0	21.0	–	–	–	0.0	–	–	–	6.3	–	0.0	–	–
137.0	20.0	–	–	–	–	0.0	–	–	–	–	0.3	–	–
137.0	21.0	–	–	–	–	0.0	–	–	–	–	0.6	–	–
137.0	40.0	–	0.0	–	–	0.0	–	–	–	–	2.7	–	–

Halichoeres spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	90.0	–	0.0	–	0.0	–	–	3.1	–	–	–	–	–
117.0	25.0	–	–	–	0.0	–	–	0.0	–	–	4.4	–	–
118.0	39.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
120.0	22.3	–	–	–	–	–	–	9.4	–	–	–	–	–
120.0	22.8	–	–	–	–	–	–	–	–	–	0.3	–	–
120.0	24.0	–	–	–	0.0	–	–	2.7	–	–	0.0	–	–
120.0	25.0	–	0.0	–	0.0	–	–	3.2	–	–	13.9	–	–
120.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	2.4	–	–
120.0	35.0	–	0.0	–	–	0.0	–	2.3	–	–	2.4	–	–
120.0	45.0	–	0.0	–	–	0.0	–	0.0	–	–	5.7	–	–
120.0	50.0	–	0.0	–	–	0.0	–	10.3	–	–	0.0	–	–
120.0	55.0	–	0.0	–	–	0.0	–	17.1	–	–	0.0	–	–
120.0	70.0	–	0.0	–	–	0.0	–	–	0.0	–	2.7	–	–
123.0	35.6	–	–	–	–	–	–	–	–	–	34.0	–	–
123.0	36.0	–	–	–	0.0	–	–	–	0.0	–	82.8	–	–
123.0	37.0	–	0.0	–	0.0	–	–	–	0.0	–	55.2	–	–
123.0	45.0	–	0.0	–	0.0	–	–	–	0.0	–	2.6	–	–
127.0	32.6	–	–	–	0.0	–	–	–	–	–	2.2	–	–
127.0	33.0	–	–	–	0.0	–	–	–	0.0	–	55.9	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	67.5	–	–
127.0	40.0	–	0.0	–	0.0	0.0	–	–	4.2	–	0.0	–	–
130.0	25.5	–	–	–	–	0.0	–	–	0.0	–	2.0	–	–
130.0	26.0	–	–	–	–	0.0	–	–	0.0	–	1.8	–	–
130.0	28.0	–	–	–	–	0.0	–	–	45.6	–	5.3	–	–
130.0	30.0	–	0.0	–	–	0.0	–	–	0.0	–	7.4	–	–
130.0	35.0	–	0.0	–	–	0.0	–	–	0.0	–	35.3	–	–
130.0	40.0	–	0.0	–	–	0.0	–	–	6.3	–	0.0	–	–
133.0	21.0	–	–	–	0.0	–	–	–	6.3	–	0.6	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	60.8	–	2.6	–	–
133.0	30.0	–	0.0	–	0.0	–	–	–	0.0	–	19.6	–	–
137.0	21.0	–	–	–	–	0.0	–	–	–	–	2.0	–	–
137.0	22.0	–	–	–	–	0.0	–	–	–	–	4.3	–	–

TABLE 4. (cont.)

Halichoeres spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	23.0	–	0.0	–	–	0.0	–	–	–	–	2.4	–	–
137.0	30.0	–	0.0	–	–	0.0	–	–	–	–	2.8	–	–
137.0	60.0	–	0.0	–	–	0.0	–	–	2.9	–	0.0	–	–

Oxyjulis californica

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	–	–	–	0.0	–	–	0.0	–	–	13.0	–	–
80.0	52.0	0.0	–	–	0.0	–	–	0.0	–	–	13.6	–	–
80.0	55.0	0.0	–	–	0.0	–	–	0.0	–	–	5.3	–	–
82.0	47.0	0.0	–	–	0.0	–	–	0.0	–	–	9.7	–	–
83.0	39.0	–	–	–	0.0	–	–	3.3	–	–	0.0	–	–
83.0	40.0	0.0	–	–	0.0	–	–	2.3	–	–	2.9	–	–
83.0	43.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
87.0	33.0	–	–	–	0.0	–	–	18.7	–	–	0.0	–	–
87.0	34.0	–	–	–	0.0	–	–	5.5	–	–	0.7	–	–
87.0	60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
90.0	32.0	–	0.0	–	–	0.0	–	2.6	–	–	9.1	–	–
90.0	45.0	–	0.0	–	–	0.0	–	5.6	–	–	0.0	–	–
93.0	30.0	–	0.0	–	0.0	–	–	5.8	–	–	0.0	–	–
93.0	45.0	–	0.0	–	0.0	–	–	3.3	–	–	0.0	–	–
93.0	70.0	–	0.0	–	0.0	–	–	9.1	–	–	0.0	–	–
93.0	80.0	–	0.0	–	0.0	–	–	2.7	–	–	0.0	–	–
97.0	32.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
97.0	50.0	–	0.0	–	0.0	–	–	4.2	–	–	0.0	–	–
97.0	55.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
97.0	65.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
100.0	29.0	–	–	–	–	0.0	–	2.5	–	–	0.0	–	–
103.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	4.9	–	–
103.0	45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
107.0	31.0	–	–	–	0.0	–	–	7.0	–	–	0.0	–	–
107.0	32.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
107.0	40.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
110.0	35.0	–	0.0	–	–	0.0	–	19.7	–	–	0.0	–	–
113.0	90.0	–	0.0	–	0.0	–	–	3.1	–	–	–	–	–
117.0	90.0	–	0.0	–	0.0	–	–	3.0	–	–	–	–	–
130.0	26.0	–	–	–	–	0.0	–	–	10.1	–	0.0	–	–
137.0	23.0	–	0.0	–	–	0.0	–	–	–	–	2.4	–	–

Semicossyphus pulcher

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	–	–	–	0.0	–	–	0.0	–	–	1.4	–	–
82.0	47.0	0.0	–	–	0.0	–	–	6.4	–	–	0.0	–	–

TABLE 4. (cont.)

Semicossyphus pulcher (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	0.0	–	–	0.0	–	–	0.0	–	–	2.9	–	–
83.0	43.0	0.0	–	–	0.0	–	–	6.2	–	–	0.0	–	–
87.0	32.5	–	–	–	0.0	–	–	0.0	–	–	0.1	–	–
87.0	34.0	–	–	–	0.0	–	–	2.8	–	–	0.0	–	–
90.0	27.5	–	–	–	–	0.0	–	0.0	–	–	0.2	–	–
93.0	26.5	–	–	–	0.0	–	–	0.0	–	–	0.1	–	–
103.0	29.0	–	–	–	0.0	–	–	0.0	–	–	0.8	–	–
103.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	1.6	–	–
107.0	32.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
107.0	40.0	–	0.0	–	0.0	–	–	0.0	–	–	8.8	–	–
113.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	0.8	–	–
117.0	24.8	–	–	–	0.0	–	–	1.6	–	–	0.0	–	–
120.0	24.0	–	–	–	0.0	–	–	2.7	–	–	0.0	–	–
120.0	40.0	–	0.0	–	–	0.0	–	0.0	–	–	2.2	–	–
120.0	45.0	–	0.0	–	–	0.0	–	6.1	–	–	0.0	–	–
120.0	55.0	–	0.0	–	–	0.0	–	13.7	–	–	0.0	–	–
123.0	35.6	–	–	–	–	–	–	–	–	–	0.7	–	–
123.0	36.0	–	–	–	0.0	–	–	–	0.0	–	4.1	–	–
127.0	33.0	–	–	–	0.0	–	–	–	0.0	–	4.0	–	–

Pomacentridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	26.5	–	–	–	0.0	–	–	1.2	–	–	0.0	–	–
93.0	27.0	–	–	–	0.0	–	–	5.1	–	–	0.0	–	–
93.0	30.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
100.0	29.0	–	–	–	–	0.0	–	14.9	–	–	0.0	–	–
103.0	28.5	–	–	–	0.0	–	–	–	–	–	0.6	–	–
120.0	35.0	–	0.0	–	–	0.0	–	2.3	–	–	0.0	–	–
120.0	40.0	–	0.0	–	–	0.0	–	17.0	–	–	0.0	–	–
123.0	37.0	–	0.0	–	0.0	–	–	–	0.0	–	374.4	–	–
137.0	23.0	–	8.7	–	–	0.0	–	–	–	–	0.0	–	–
137.0	80.0	–	0.0	–	–	0.0	–	–	3.0	–	–	–	–

Chromis punctipinnis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	50.2	–	–	–	0.0	–	–	–	–	–	0.3	–	–
80.0	70.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
83.0	40.0	0.0	–	–	0.0	–	–	0.0	–	–	2.9	–	–
83.0	43.0	0.0	–	–	0.0	–	–	6.2	–	–	0.0	–	–
87.0	33.0	–	–	–	0.0	–	–	10.7	–	–	0.0	–	–
87.0	34.0	–	–	–	0.0	–	–	11.0	–	–	0.0	–	–
90.0	28.0	–	0.0	–	–	0.0	–	0.0	–	–	23.1	–	–

TABLE 4. (cont.)

Chromis punctipinnis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	32.0	–	0.0	–	–	0.0	–	0.0	–	–	15.1	–	–
93.0	26.5	–	–	–	0.0	–	–	68.4	–	–	0.0	–	–
93.0	27.0	–	–	–	0.0	–	–	285.6	–	–	0.0	–	–
93.0	28.0	–	0.0	–	0.0	–	–	22.0	–	–	0.0	–	–
93.0	30.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
97.0	28.7	–	–	–	–	–	–	48.5	–	–	0.0	–	–
97.0	29.0	–	–	–	0.0	–	–	2.4	–	–	0.0	–	–
97.0	30.0	–	0.0	–	0.0	–	–	5.3	–	–	0.0	–	–
97.0	32.0	–	0.0	–	0.0	–	–	32.8	–	–	8.1	–	–
97.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	5.6	–	–
100.0	29.0	–	–	–	–	0.0	–	5.0	–	–	0.0	–	–
100.0	30.0	–	0.0	–	–	0.0	–	5.1	–	–	0.0	–	–
103.0	29.0	–	–	–	0.0	–	–	0.0	–	–	0.8	–	–
103.0	30.0	–	0.0	–	0.0	–	–	9.0	–	–	0.0	–	–
103.0	35.0	–	0.0	–	0.0	–	–	15.1	–	–	0.0	–	–
107.0	32.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
107.0	45.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
110.0	32.0	–	0.0	–	–	0.0	–	0.0	–	–	1.4	–	–
110.0	35.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–
113.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	8.2	–	–
113.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	8.2	–	–
117.0	24.8	–	–	–	0.0	–	–	0.0	–	–	3.5	–	–
117.0	25.0	–	–	–	0.0	–	–	0.0	–	–	4.4	–	–
120.0	24.0	–	–	–	0.0	–	–	0.0	–	–	0.5	–	–
120.0	45.0	–	0.0	–	–	0.0	–	0.0	–	–	11.4	–	–
120.0	55.0	–	0.0	–	–	0.0	–	10.3	–	–	0.0	–	–
120.0	60.0	–	0.0	–	–	0.0	–	3.4	–	–	0.0	–	–
123.0	35.6	–	–	–	–	–	–	–	–	–	0.2	–	–
123.0	36.0	–	–	–	0.0	–	–	–	0.0	–	10.4	–	–
123.0	42.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.8	–	–
123.0	45.0	–	0.0	–	0.0	–	–	–	0.0	–	2.6	–	–
127.0	60.0	–	0.0	–	0.0	–	–	–	0.0	–	2.6	–	–
130.0	45.0	–	0.0	–	–	0.0	–	–	0.0	–	2.8	–	–
133.0	30.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–

Hypsypops rubicundus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	50.0	–	0.0	–	–	0.0	–	0.0	–	–	2.6	–	–

Brama spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	200.0	2.8	–	–	0.0	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Brama spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 130.0	2.9	–	–	–	–	–	–	–	–	–	–	–
90.0 160.0	2.7	–	–	0.0	–	–	–	–	–	–	–	–
90.0 180.0	2.7	–	–	2.8	–	–	–	–	–	–	–	–
93.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.5	–	–
93.0 90.0	–	0.0	–	0.0	–	–	–	–	–	5.0	–	–
97.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
97.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.3	–	–
97.0 90.0	–	0.0	–	0.0	–	–	–	–	–	2.8	–	–
103.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0 65.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0 90.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
110.0 40.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
113.0 35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	3.0	–	–
117.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–

Carangidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0 26.5	–	–	–	0.0	–	–	1.2	–	–	0.0	–	–
113.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
120.0 24.0	–	–	–	0.0	–	–	5.4	–	–	0.0	–	–
120.0 25.0	–	0.0	–	0.0	–	–	217.6	–	–	0.0	–	–
120.0 55.0	–	0.0	–	–	0.0	–	17.1	–	–	0.0	–	–
130.0 28.0	–	–	–	–	0.0	–	–	37.0	–	0.0	–	–
130.0 35.0	–	0.0	–	–	0.0	–	–	3.3	–	0.0	–	–
133.0 21.0	–	–	–	0.0	–	–	–	145.4	–	3.2	–	–
133.0 23.0	–	–	–	0.0	–	–	–	43.0	–	50.8	–	–
133.0 25.0	–	0.0	–	0.0	–	–	–	32.0	–	18.1	–	–
133.0 30.0	–	0.0	–	0.0	–	–	–	2.9	–	0.0	–	–
133.0 35.0	–	0.0	–	0.0	–	–	–	5.7	–	0.0	–	–
137.0 20.0	–	–	–	–	0.0	–	–	–	–	0.6	–	–
137.0 21.0	–	–	–	–	0.0	–	–	–	–	5.5	–	–
137.0 23.0	–	0.0	–	–	0.0	–	–	–	–	98.0	–	–
137.0 30.0	–	0.0	–	–	0.0	–	–	–	–	2.8	–	–
137.0 35.0	–	0.0	–	–	0.0	–	–	–	–	2.7	–	–

Seriola lalandi

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0 32.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0 60.0	–	0.0	–	0.0	–	–	5.9	–	–	0.0	–	–
117.0 65.0	–	0.0	–	0.0	–	–	11.8	–	–	0.0	–	–
117.0 70.0	–	0.0	–	0.0	–	–	6.1	–	–	0.0	–	–

TABLE 4. (cont.)

Seriola lalandi (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0 80.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
120.0 50.0	–	0.0	–	–	0.0	–	47.9	–	–	0.0	–	–
120.0 55.0	–	0.0	–	–	0.0	–	20.5	–	–	0.0	–	–
120.0 60.0	–	0.0	–	–	0.0	–	30.5	–	–	0.0	–	–
120.0 65.0	–	0.0	–	–	0.0	–	3.3	–	–	0.0	–	–
123.0 36.0	–	–	–	0.0	–	–	–	0.0	–	0.7	–	–
123.0 80.0	–	0.0	–	0.0	–	–	–	14.6	–	–	–	–
127.0 40.0	–	0.0	–	0.0	0.0	–	–	16.7	–	0.0	–	–
127.0 45.0	–	0.0	–	0.0	–	–	–	4.5	–	0.0	–	–
130.0 30.0	–	0.0	–	–	0.0	–	–	2.3	–	0.0	–	–
130.0 35.0	–	0.0	–	–	0.0	–	–	26.0	–	0.0	–	–

Trachurus symmetricus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 120.0	0.0	–	–	28.3	–	–	–	–	–	–	–	–
60.0 140.0	0.0	–	–	13.7	–	–	–	–	–	–	–	–
70.0 90.0	0.0	–	–	14.6	–	–	–	–	–	–	–	–
70.0 100.0	0.0	–	–	14.8	–	–	–	–	–	–	–	–
70.0 120.0	0.0	–	–	2.4	–	–	–	–	–	–	–	–
80.0 60.0	0.0	–	–	3.2	–	–	40.3	–	–	0.0	–	–
80.0 65.0	0.0	–	–	0.0	–	–	100.7	–	–	0.0	–	–
80.0 70.0	0.0	–	–	5.8	–	–	16.0	–	–	0.0	–	–
80.0 80.0	0.0	–	–	5.2	–	–	5.5	–	–	0.0	–	–
83.0 39.0	–	–	–	1.1	–	–	0.0	–	–	0.0	–	–
83.0 40.0	0.0	–	–	0.0	–	–	1.1	–	–	0.0	–	–
83.0 60.0	0.0	–	–	0.0	–	–	0.0	–	–	29.4	–	–
83.0 65.0	0.0	–	–	0.0	–	–	9.2	–	–	0.0	–	–
83.0 70.0	0.0	–	–	9.5	–	–	5.2	–	–	0.0	–	–
83.0 80.0	0.0	–	–	12.5	–	–	0.0	–	–	0.0	–	–
83.0 90.0	10.6	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0 110.0	–	13.0	–	–	–	–	–	–	–	–	–	–
83.0 115.0	–	7.9	–	–	–	–	–	–	–	–	–	–
87.0 32.5	–	–	–	0.0	–	–	0.0	–	–	0.3	–	–
87.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	3.4	–	–
87.0 55.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
87.0 60.0	–	0.0	–	0.0	–	–	5.5	–	–	61.0	–	–
87.0 65.0	–	0.0	–	0.0	–	–	15.2	–	–	2.7	–	–
87.0 70.0	–	3.0	–	0.0	–	–	10.6	–	–	5.3	–	–
87.0 80.0	–	0.0	–	6.3	–	–	0.0	–	–	0.0	–	–
87.0 85.0	–	3.4	–	–	–	–	–	–	–	–	–	–
87.0 90.0	–	16.6	–	3.0	–	–	0.0	–	–	0.0	–	–
87.0 100.0	–	26.5	–	–	–	–	–	–	–	–	–	–
87.0 105.0	–	6.4	–	–	–	–	–	–	–	–	–	–
90.0 27.5	–	–	–	–	0.0	–	2.5	–	–	0.0	–	–

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 32.0	–	0.0	–	–	0.0	–	0.0	–	–	3.0	–	–
90.0 45.0	–	0.0	–	–	3.0	–	13.9	–	–	0.0	–	–
90.0 60.0	–	9.2	–	–	3.1	–	24.4	–	–	0.0	–	–
90.0 65.0	17.3	–	–	–	8.4	–	2.8	–	–	0.0	–	–
90.0 70.0	47.1	–	–	–	18.1	–	17.9	–	–	0.0	–	–
90.0 80.0	5.9	–	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0 90.0	5.4	–	–	35.2	–	–	0.0	–	–	0.0	–	–
90.0 100.0	5.9	–	–	29.7	–	–	–	–	–	–	–	–
90.0 110.0	5.4	–	–	–	–	–	–	–	–	–	–	–
90.0 120.0	0.0	–	–	25.3	–	–	–	–	–	–	–	–
90.0 140.0	0.0	–	–	48.4	–	–	–	–	–	–	–	–
93.0 35.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
93.0 40.0	–	0.0	–	0.0	–	–	12.2	–	–	0.0	–	–
93.0 45.0	–	0.0	–	0.0	–	–	22.9	–	–	0.0	–	–
93.0 55.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
93.0 65.0	–	0.0	–	0.0	–	–	6.2	–	–	0.0	–	–
93.0 70.0	–	15.7	–	0.0	–	–	9.1	–	–	0.0	–	–
93.0 80.0	–	9.6	–	0.0	–	–	16.4	–	–	0.0	–	–
97.0 40.0	–	0.0	–	0.0	–	–	12.5	–	–	0.0	–	–
97.0 45.0	–	0.0	–	2.9	–	–	6.9	–	–	0.0	–	–
97.0 50.0	–	0.0	–	2.8	–	–	84.0	–	–	0.0	–	–
97.0 55.0	–	6.7	–	5.8	–	–	31.2	–	–	0.0	–	–
97.0 60.0	–	6.8	–	0.0	–	–	48.0	–	–	0.0	–	–
97.0 65.0	–	634.4	–	0.0	–	–	5.8	–	–	0.0	–	–
97.0 70.0	–	202.3	–	0.0	–	–	2.9	–	–	0.0	–	–
97.0 80.0	–	3.1	–	0.0	–	–	2.9	–	–	0.0	–	–
97.0 90.0	–	3.0	–	0.0	–	–	–	–	–	0.0	–	–
97.0 110.0	–	5.9	–	–	–	–	–	–	–	–	–	–
100.0 30.0	–	0.0	–	–	3.0	–	2.6	–	–	0.0	–	–
100.0 35.0	–	0.0	–	–	0.0	–	2.8	–	–	0.0	–	–
100.0 40.0	–	3.0	–	–	5.7	–	43.8	–	–	0.0	–	–
100.0 45.0	–	0.0	–	–	6.0	–	17.0	–	–	0.0	–	–
100.0 50.0	–	42.1	–	–	0.0	–	18.1	–	–	0.0	–	–
100.0 55.0	–	18.2	–	–	12.7	–	17.3	–	–	0.0	–	–
100.0 60.0	–	30.5	–	–	183.9	–	0.0	–	–	0.0	–	–
100.0 65.0	–	315.6	–	–	34.2	–	0.0	–	–	0.0	–	–
100.0 70.0	–	51.3	–	–	86.8	–	37.1	–	–	0.0	–	–
100.0 80.0	–	153.0	–	–	58.6	–	0.0	–	–	0.0	–	–
100.0 90.0	–	5.9	–	–	95.0	–	0.0	–	–	0.0	–	–
100.0 100.0	–	0.0	–	–	11.1	–	–	–	–	–	–	–
103.0 29.0	–	–	–	1.7	–	–	0.0	–	–	0.0	–	–
103.0 40.0	–	0.0	–	0.0	–	–	44.1	–	–	0.0	–	–
103.0 45.0	–	11.4	–	5.9	–	–	0.0	–	–	0.0	–	–
103.0 50.0	–	89.9	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0 55.0	–	629.8	–	5.9	–	–	3.0	–	–	0.0	–	–
103.0 60.0	–	45.1	–	83.2	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	65.0	-	260.9	-	112.3	-	-	0.0	-	-	0.0	-	-
103.0	70.0	-	400.0	-	68.6	-	-	0.0	-	-	0.0	-	-
103.0	80.0	-	1319.7	-	27.4	-	-	0.0	-	-	0.0	-	-
103.0	90.0	-	12.3	-	15.4	-	-	0.0	-	-	0.0	-	-
107.0	50.0	-	6.2	-	0.0	-	-	3.2	-	-	0.0	-	-
107.0	55.0	-	13.1	-	0.0	-	-	3.2	-	-	0.0	-	-
107.0	60.0	-	878.1	-	5.8	-	-	34.5	-	-	0.0	-	-
107.0	65.0	-	22.5	-	3.0	-	-	6.3	-	-	0.0	-	-
107.0	70.0	-	166.3	-	0.0	-	-	3.0	-	-	0.0	-	-
107.0	80.0	-	478.5	-	5.5	-	-	3.0	-	-	0.0	-	-
107.0	90.0	-	9.6	-	3.0	-	-	0.0	-	-	0.0	-	-
110.0	55.0	-	2.9	-	-	0.0	-	3.0	-	-	0.0	-	-
110.0	60.0	-	3.0	-	-	2.8	-	0.0	-	-	0.0	-	-
110.0	65.0	-	75.7	-	-	0.0	-	0.0	-	-	0.0	-	-
110.0	70.0	-	33.7	-	-	55.7	-	6.1	-	-	0.0	-	-
110.0	80.0	-	14.5	-	-	20.2	-	6.4	-	-	0.0	-	-
110.0	90.0	-	43.5	-	-	5.2	-	0.0	-	-	0.0	-	-
110.0	100.0	-	0.0	-	-	17.8	-	-	-	-	-	-	-
110.0	120.0	-	0.0	-	-	4.7	-	-	-	-	-	-	-
113.0	50.0	-	0.0	-	6.0	-	-	0.0	-	-	0.0	-	-
113.0	55.0	-	3.2	-	0.0	-	-	0.0	-	-	0.0	-	-
113.0	60.0	-	3.2	-	2.9	-	-	0.0	-	-	0.0	-	-
113.0	80.0	-	20.3	-	44.3	-	-	13.8	-	-	0.0	-	-
113.0	90.0	-	6.3	-	22.6	-	-	15.3	-	-	-	-	-
117.0	26.0	-	0.0	-	2.4	-	-	0.0	-	-	0.0	-	-
117.0	40.0	-	0.0	-	2.3	-	-	0.0	-	-	0.0	-	-
117.0	50.0	-	0.0	-	10.4	-	-	0.0	-	-	0.0	-	-
117.0	60.0	-	0.0	-	8.5	-	-	2.8	-	-	0.0	-	-
117.0	70.0	-	0.0	-	5.8	-	-	0.0	-	-	0.0	-	-
117.0	80.0	-	113.4	-	8.8	-	-	0.0	-	-	0.0	-	-
117.0	90.0	-	29.5	-	23.1	-	-	0.0	-	-	-	-	-
119.0	33.0	-	10.1	-	-	0.0	-	0.0	-	-	0.0	-	-
120.0	50.0	-	0.0	-	-	2.8	-	0.0	-	-	0.0	-	-
120.0	60.0	-	2.8	-	-	0.0	-	3.4	-	-	0.0	-	-
120.0	80.0	-	48.0	-	-	0.0	-	-	0.0	-	-	-	-
120.0	90.0	-	3.3	-	-	0.0	-	-	-	-	-	-	-
120.0	100.0	-	0.0	-	-	2.7	-	-	-	-	-	-	-
123.0	65.0	-	6.4	-	5.9	-	-	-	0.0	-	0.0	-	-
123.0	70.0	-	0.0	-	27.5	-	-	-	0.0	-	0.0	-	-
123.0	80.0	-	0.0	-	2.9	-	-	-	0.0	-	-	-	-
127.0	50.0	-	0.0	-	3.0	-	-	-	0.0	-	0.0	-	-
127.0	55.0	-	2.8	-	0.0	-	-	-	0.0	-	0.0	-	-
127.0	60.0	-	8.8	-	0.0	-	-	-	0.0	-	0.0	-	-
127.0	65.0	-	3.0	-	0.0	-	-	-	0.0	-	0.0	-	-
127.0	70.0	-	11.5	-	2.9	-	-	-	0.0	-	0.0	-	-
133.0	65.0	-	0.0	-	-	0.0	-	-	2.6	-	-	-	-

TABLE 4. (cont.)

Coryphaena hippurus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	40.0	–	0.0	–	0.0	–	–	–	0.0	–	2.7	–	–
137.0	45.0	–	0.0	–	–	0.0	–	–	–	–	2.7	–	–

Chaetodipterus zonatus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	30.0	–	0.0	–	0.0	–	–	–	0.0	–	5.6	–	–

Gerreidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	45.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
123.0	37.0	–	0.0	–	0.0	–	–	–	0.0	–	2.4	–	–
127.0	32.6	–	–	–	0.0	–	–	–	–	–	0.3	–	–
130.0	30.0	–	0.0	–	–	0.0	–	–	2.3	–	0.0	–	–
130.0	35.0	–	0.0	–	–	0.0	–	–	0.0	–	2.9	–	–
133.0	20.5	–	–	–	–	–	–	–	13.2	–	1.5	–	–
133.0	21.0	–	–	–	0.0	–	–	–	455.0	–	1.9	–	–
133.0	23.0	–	–	–	0.0	–	–	–	6.1	–	4.2	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	9.6	–	7.7	–	–
137.0	21.0	–	–	–	–	0.0	–	–	–	–	0.3	–	–
137.0	40.0	–	0.0	–	–	0.0	–	–	–	–	2.7	–	–

Haemulidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	22.8	–	–	–	–	–	–	–	–	–	0.6	–	–
127.0	40.0	–	0.0	–	0.0	0.0	–	–	4.2	–	0.0	–	–
130.0	26.0	–	–	–	–	0.0	–	–	84.5	–	0.0	–	–
130.0	28.0	–	–	–	–	0.0	–	–	327.8	–	0.0	–	–
130.0	30.0	–	0.0	–	–	0.0	–	–	32.8	–	0.0	–	–
133.0	20.5	–	–	–	–	–	–	–	158.0	–	0.0	–	–
133.0	21.0	–	–	–	0.0	–	–	–	113.8	–	2.6	–	–
133.0	23.0	–	–	–	0.0	–	–	–	49.1	–	0.0	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	262.4	–	0.0	–	–
137.0	20.0	–	–	–	–	0.0	–	–	–	–	0.1	–	–
137.0	21.0	–	–	–	–	0.0	–	–	–	–	0.6	–	–
137.0	22.0	–	–	–	–	0.0	–	–	–	–	2.1	–	–

TABLE 4. (cont.)

Girella nigricans

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	39.0	–	–	–	0.0	–	–	1.1	–	–	0.0	–	–
87.0	32.5	–	–	–	0.0	–	–	0.0	–	–	0.3	–	–
87.0	33.0	–	–	–	0.0	–	–	2.7	–	–	0.0	–	–
87.0	34.0	–	–	–	0.0	–	–	2.8	–	–	0.0	–	–
100.0	30.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–
103.0	29.0	–	–	–	0.0	–	–	0.0	–	–	0.4	–	–
117.0	24.8	–	–	–	0.0	–	–	0.0	–	–	0.3	–	–
120.0	22.8	–	–	–	–	–	–	–	–	–	0.3	–	–
120.0	55.0	–	0.0	–	–	0.0	–	6.8	–	–	0.0	–	–
123.0	36.0	–	–	–	0.0	–	–	–	0.0	–	0.7	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	5.4	–	–

Medialuna californiensis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	0.0	–	–	0.0	–	–	0.0	–	–	1.4	–	–
87.0	32.5	–	–	–	0.0	–	–	2.2	–	–	0.0	–	–
87.0	34.0	–	–	–	0.0	–	–	8.3	–	–	0.0	–	–
87.0	40.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
93.0	45.0	–	0.0	–	0.0	–	–	3.3	–	–	0.0	–	–
97.0	55.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
97.0	60.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
100.0	35.0	–	0.0	–	–	0.0	–	2.8	–	–	0.0	–	–
100.0	50.0	–	0.0	–	–	0.0	–	3.0	–	–	0.0	–	–
100.0	70.0	–	0.0	–	–	0.0	–	3.1	–	–	0.0	–	–
107.0	50.0	–	0.0	–	0.0	–	–	9.6	–	–	0.0	–	–
110.0	80.0	–	0.0	–	–	2.9	–	0.0	–	–	0.0	–	–
113.0	90.0	–	0.0	–	0.0	–	–	3.1	–	–	–	–	–

Caulolatilus princeps

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
120.0	45.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–

Mullidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	21.0	–	–	–	–	0.0	–	–	–	–	0.6	–	–
137.0	23.0	–	0.0	–	–	0.0	–	–	–	–	9.6	–	–

TABLE 4. (cont.)

Sciaenidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	49.2	–	–	–	2.1	–	–	–	–	–	–	–	–
60.0	60.0	12.0	–	–	0.0	–	–	–	–	–	–	–	–
60.0	70.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
63.0	49.7	–	–	–	1.3	–	–	–	–	–	–	–	–
67.0	47.3	–	–	–	0.3	–	–	–	–	–	–	–	–
67.0	48.0	–	–	–	6.2	–	–	–	–	–	–	–	–
67.0	49.0	–	–	–	3.4	–	–	–	–	–	–	–	–
67.0	55.0	0.0	–	–	2.6	–	–	–	–	–	–	–	–
73.0	49.4	–	–	–	4.0	–	–	–	–	–	–	–	–
77.0	47.6	–	–	–	4.7	–	–	–	–	–	–	–	–
77.0	48.0	–	–	–	9.5	–	–	–	–	–	–	–	–
77.0	50.0	–	–	–	2.3	–	–	–	–	–	–	–	–
80.0	50.2	–	–	–	0.5	–	–	–	–	–	0.6	–	–
80.0	52.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
82.0	47.0	2.9	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0	39.0	–	–	–	1.1	–	–	3.3	–	–	0.0	–	–
83.0	40.0	0.0	–	–	2.1	–	–	3.4	–	–	0.0	–	–
87.0	32.5	–	–	–	127.4	–	–	0.0	–	–	0.0	–	–
87.0	33.0	–	–	–	0.0	–	–	8.0	–	–	0.0	–	–
87.0	35.0	–	1900.6	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	40.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
87.0	50.0	–	0.0	–	2.6	–	–	0.0	–	–	0.0	–	–
90.0	27.5	–	–	–	–	0.0	–	65.2	–	–	0.6	–	–
90.0	28.0	–	0.0	–	–	0.0	–	14.7	–	–	0.0	–	–
90.0	45.0	–	0.0	–	–	0.0	–	2.8	–	–	0.0	–	–
93.0	26.5	–	–	–	65.0	–	–	2.4	–	–	0.3	–	–
93.0	27.0	–	–	–	55.6	–	–	0.0	–	–	0.0	–	–
93.0	28.0	–	15.1	–	27.4	–	–	0.0	–	–	0.0	–	–
93.0	30.0	–	85.8	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	35.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
96.8	28.7	–	–	–	3.3	–	–	–	–	–	–	–	–
97.0	28.7	–	–	–	–	–	–	19.6	–	–	0.0	–	–
97.0	29.0	–	–	–	4.7	–	–	0.0	–	–	0.6	–	–
97.0	30.0	–	690.3	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0	32.0	–	381.4	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0	28.5	–	–	–	0.0	–	–	–	–	–	0.3	–	–
103.0	28.7	–	–	–	–	–	–	4.7	–	–	–	–	–
103.0	29.0	–	–	–	0.0	–	–	14.8	–	–	8.4	–	–
103.0	30.0	–	11.8	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0	35.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
107.0	30.0	–	–	–	9.1	–	–	2.7	–	–	0.7	–	–
107.0	31.0	–	–	–	2.6	–	–	5.3	–	–	0.0	–	–
107.0	32.0	–	5.4	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	35.0	–	26.7	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	30.0	–	1.9	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	24.8	–	–	–	0.0	–	–	1.6	–	–	0.0	–	–

TABLE 4. (cont.)

Sciaenidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	23.0	-	-	-	0.0	-	-	35.2	-	-	-	-	-
120.0	24.0	-	-	-	1.8	-	-	13.6	-	-	0.0	-	-
120.0	25.0	-	0.0	-	0.0	-	-	48.0	-	-	2.0	-	-
120.0	30.0	-	0.0	-	0.0	-	-	2.5	-	-	0.0	-	-
120.0	35.0	-	0.0	-	-	0.0	-	0.0	-	-	2.4	-	-
120.0	40.0	-	0.0	-	-	0.0	-	8.5	-	-	0.0	-	-
120.0	45.0	-	0.0	-	-	0.0	-	3.0	-	-	0.0	-	-
120.0	55.0	-	0.0	-	-	0.0	-	3.4	-	-	0.0	-	-
123.0	36.0	-	-	-	0.0	-	-	-	0.0	-	0.7	-	-
124.0	36.0	-	-	-	-	-	-	-	1.6	-	-	-	-
127.0	34.0	-	0.0	-	0.0	-	-	-	3.1	-	0.0	-	-
127.0	40.0	-	0.0	-	0.0	0.0	-	-	29.3	-	0.0	-	-
130.0	26.0	-	-	-	-	0.0	-	-	43.9	-	0.0	-	-
130.0	28.0	-	-	-	-	0.0	-	-	188.1	-	0.0	-	-
130.0	30.0	-	0.0	-	-	0.0	-	-	39.8	-	0.0	-	-
133.0	20.5	-	-	-	-	-	-	-	184.3	-	0.0	-	-
133.0	21.0	-	-	-	0.0	-	-	-	164.3	-	3.8	-	-
133.0	23.0	-	-	-	0.0	-	-	-	43.0	-	7.0	-	-
133.0	25.0	-	0.0	-	0.0	-	-	-	35.2	-	0.0	-	-
137.0	21.0	-	-	-	-	0.0	-	-	-	-	9.9	-	-
137.0	22.0	-	-	-	-	0.0	-	-	-	-	19.3	-	-
137.0	23.0	-	0.0	-	-	0.0	-	-	-	-	19.1	-	-
137.0	40.0	-	0.0	-	-	0.0	-	-	-	-	2.7	-	-

Serranidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	-	-	-	0.0	-	-	0.0	-	-	1.4	-	-
82.0	47.0	0.0	-	-	0.0	-	-	0.0	-	-	7.3	-	-
83.0	39.0	-	-	-	0.0	-	-	20.7	-	-	0.2	-	-
83.0	40.0	0.0	-	-	0.0	-	-	12.4	-	-	4.3	-	-
83.0	43.0	0.0	-	-	0.0	-	-	0.0	-	-	2.7	-	-
83.0	51.0	0.0	-	-	0.0	-	-	0.0	-	-	2.9	-	-
87.0	32.5	-	-	-	0.0	-	-	0.0	-	-	0.3	-	-
87.0	33.0	-	-	-	0.0	-	-	34.7	-	-	0.0	-	-
87.0	34.0	-	-	-	0.0	-	-	2.8	-	-	0.7	-	-
87.0	40.0	-	0.0	-	0.0	-	-	0.0	-	-	2.7	-	-
90.0	27.5	-	-	-	-	0.0	-	4.9	-	-	0.8	-	-
90.0	28.0	-	0.0	-	-	0.0	-	2.9	-	-	0.0	-	-
93.0	26.5	-	-	-	0.0	-	-	0.0	-	-	2.4	-	-
93.0	27.0	-	-	-	0.0	-	-	10.2	-	-	3.9	-	-
93.0	28.0	-	0.0	-	0.0	-	-	0.0	-	-	7.0	-	-
93.0	30.0	-	0.0	-	0.0	-	-	0.0	-	-	3.2	-	-
97.0	28.7	-	-	-	-	-	-	0.0	-	-	0.3	-	-
97.0	29.0	-	-	-	0.0	-	-	0.0	-	-	0.6	-	-

TABLE 4. (cont.)

Serranidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	40.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
113.0	70.0	–	0.0	–	0.0	–	–	11.6	–	–	0.0	–	–
113.0	90.0	–	0.0	–	0.0	–	–	3.1	–	–	–	–	–
117.0	24.8	–	–	–	0.0	–	–	9.9	–	–	0.0	–	–
117.0	55.0	–	0.0	–	0.0	–	–	2.8	–	–	0.0	–	–
117.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
120.0	22.3	–	–	–	–	–	–	23.6	–	–	–	–	–
120.0	22.8	–	–	–	–	–	–	–	–	–	2.2	–	–
120.0	25.0	–	0.0	–	0.0	–	–	12.8	–	–	2.0	–	–
120.0	45.0	–	0.0	–	–	0.0	–	21.3	–	–	0.0	–	–
120.0	50.0	–	0.0	–	–	0.0	–	10.3	–	–	0.0	–	–
120.0	55.0	–	0.0	–	–	0.0	–	23.9	–	–	0.0	–	–
123.0	35.6	–	–	–	–	–	–	–	–	–	5.1	–	–
123.0	36.0	–	–	–	0.0	–	–	–	0.0	–	7.6	–	–
123.0	37.0	–	0.0	–	0.0	–	–	–	0.0	–	2.4	–	–
123.0	42.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.8	–	–
127.0	32.6	–	–	–	0.0	–	–	–	–	–	0.3	–	–
127.0	33.0	–	–	–	0.0	–	–	–	1.3	–	10.6	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	13.5	–	–
127.0	40.0	–	0.0	–	0.0	0.0	–	–	29.3	–	0.0	–	–
130.0	25.5	–	–	–	–	0.0	–	–	0.0	–	0.6	–	–
130.0	26.0	–	–	–	–	0.0	–	–	1020.8	–	0.6	–	–
130.0	28.0	–	–	–	–	0.0	–	–	940.5	–	4.2	–	–
130.0	30.0	–	0.0	–	–	0.0	–	–	70.2	–	14.9	–	–
133.0	20.5	–	–	–	–	–	–	–	0.0	–	2.1	–	–
133.0	21.0	–	–	–	0.0	–	–	–	511.9	–	17.9	–	–
133.0	23.0	–	–	–	0.0	–	–	–	208.8	–	1.4	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	361.6	–	0.0	–	–
133.0	30.0	–	0.0	–	0.0	–	–	–	5.9	–	5.6	–	–
133.0	35.0	–	0.0	–	0.0	–	–	–	2.8	–	2.8	–	–
137.0	20.0	–	–	–	–	0.0	–	–	–	–	0.4	–	–
137.0	21.0	–	–	–	–	0.0	–	–	–	–	2.9	–	–
137.0	22.0	–	–	–	–	0.0	–	–	–	–	49.2	–	–
137.0	23.0	–	0.0	–	–	0.0	–	–	–	–	9.6	–	–
137.0	40.0	–	0.0	–	–	0.0	–	–	–	–	2.7	–	–
140.0	28.8	–	–	–	–	0.3	–	–	–	–	–	–	–

Sparidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	30.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–

TABLE 4. (cont.)

Gempylidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0 200.0	8.6	–	–	2.7	–	–	–	–	–	–	–	–
90.0 160.0	0.0	–	–	5.6	–	–	–	–	–	–	–	–
90.0 200.0	8.0	–	–	2.8	–	–	–	–	–	–	–	–
137.0 60.0	–	0.0	–	–	0.0	–	–	0.0	–	2.7	–	–

Scombridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0 21.0	–	–	–	0.0	–	–	–	6.3	–	0.0	–	–
133.0 23.0	–	–	–	0.0	–	–	–	55.3	–	0.0	–	–
133.0 25.0	–	0.0	–	0.0	–	–	–	300.8	–	0.0	–	–

Auxis spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0 30.0	–	0.0	–	–	0.0	–	–	7.0	–	0.0	–	–
133.0 35.0	–	0.0	–	0.0	–	–	–	14.1	–	0.0	–	–

Sarda chiliensis

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 27.5	–	–	–	–	0.0	–	1.2	–	–	0.0	–	–
100.0 30.0	–	0.0	–	–	0.0	–	2.6	–	–	0.0	–	–
120.0 40.0	–	0.0	–	–	0.0	–	2.1	–	–	0.0	–	–
120.0 50.0	–	0.0	–	–	0.0	–	3.4	–	–	0.0	–	–
120.0 60.0	–	0.0	–	–	0.0	–	10.2	–	–	0.0	–	–
123.0 42.0	–	0.0	–	0.0	4.3	–	–	0.0	–	0.0	–	–
123.0 55.0	–	0.0	–	3.0	–	–	–	0.0	–	0.0	–	–
127.0 45.0	–	0.0	–	0.0	–	–	–	4.5	–	0.0	–	–
130.0 35.0	–	0.0	–	–	0.0	–	–	104.0	–	0.0	–	–
133.0 40.0	–	0.0	–	0.0	–	–	–	3.1	–	0.0	–	–

Scomber japonicus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0 51.0	–	–	–	0.0	–	–	0.0	–	–	5.8	–	–
83.0 39.0	–	–	–	0.0	–	–	20.7	–	–	0.0	–	–
83.0 40.0	0.0	–	–	0.0	–	–	23.7	–	–	0.0	–	–
87.0 33.0	–	–	–	0.0	–	–	64.1	–	–	0.0	–	–
87.0 34.0	–	–	–	0.0	–	–	8.3	–	–	0.0	–	–
90.0 27.5	–	–	–	–	0.0	–	0.0	–	–	0.6	–	–
90.0 37.0	–	0.0	–	–	0.0	–	2.7	–	–	0.0	–	–

TABLE 4. (cont.)

Scomber japonicus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	26.5	–	–	–	0.0	–	–	1.2	–	–	1.1	–	–
93.0	27.0	–	–	–	0.0	–	–	0.0	–	–	1.3	–	–
93.0	30.0	–	0.0	–	0.0	–	–	8.6	–	–	0.0	–	–
97.0	40.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
103.0	29.0	–	–	–	0.0	–	–	15.6	–	–	0.0	–	–
103.0	30.0	–	0.0	–	0.0	–	–	9.0	–	–	0.0	–	–
103.0	35.0	–	0.0	–	0.0	–	–	6.0	–	–	0.0	–	–
103.0	65.0	–	0.0	–	2.7	–	–	0.0	–	–	0.0	–	–
103.0	70.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
107.0	30.0	–	–	–	0.0	–	–	9.4	–	–	0.7	–	–
107.0	31.0	–	–	–	0.0	–	–	707.5	–	–	0.0	–	–
107.0	32.0	–	0.0	–	0.0	–	–	86.2	–	–	0.0	–	–
107.0	35.0	–	0.0	–	0.0	–	–	12.5	–	–	0.0	–	–
107.0	55.0	–	0.0	–	0.0	–	–	3.2	–	–	0.0	–	–
110.0	32.0	–	0.0	–	–	5.7	–	3.3	–	–	0.0	–	–
110.0	35.0	–	0.0	–	–	0.0	–	73.8	–	–	0.0	–	–
110.0	60.0	–	0.0	–	–	0.0	–	9.0	–	–	0.0	–	–
110.0	65.0	–	0.0	–	–	0.0	–	2.9	–	–	0.0	–	–
110.0	80.0	–	0.0	–	–	2.9	–	0.0	–	–	0.0	–	–
113.0	29.0	–	–	–	0.0	–	–	0.0	–	–	0.4	–	–
113.0	60.0	–	0.0	–	0.0	–	–	20.6	–	–	0.0	–	–
113.0	70.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
117.0	24.8	–	–	–	0.0	–	–	3.3	–	–	0.0	–	–
117.0	25.0	–	–	–	0.0	–	–	2.0	–	–	0.0	–	–
117.0	55.0	–	0.0	–	0.0	–	–	19.8	–	–	0.0	–	–
117.0	65.0	–	0.0	–	3.0	–	–	3.0	–	–	0.0	–	–
120.0	22.3	–	–	–	–	–	–	2.4	–	–	–	–	–
120.0	23.0	–	–	–	0.0	–	–	2.1	–	–	–	–	–
120.0	24.0	–	–	–	0.0	–	–	2.7	–	–	0.0	–	–
120.0	45.0	–	0.0	–	–	0.0	–	109.4	–	–	0.0	–	–
120.0	50.0	–	0.0	–	–	0.0	–	30.8	–	–	0.0	–	–
120.0	55.0	–	0.0	–	–	0.0	–	20.5	–	–	0.0	–	–
123.0	36.0	–	–	–	0.0	–	–	–	0.0	–	0.7	–	–
127.0	40.0	–	0.0	–	0.0	0.0	–	–	20.9	–	0.0	–	–
127.0	45.0	–	0.0	–	0.0	–	–	–	22.3	–	0.0	–	–
130.0	26.0	–	–	–	–	0.0	–	–	74.4	–	0.0	–	–
130.0	28.0	–	–	–	–	0.0	–	–	114.0	–	1.1	–	–
130.0	30.0	–	0.0	–	–	0.0	–	–	278.5	–	0.0	–	–
130.0	35.0	–	0.0	–	–	0.0	–	–	52.0	–	0.0	–	–
133.0	21.0	–	–	–	0.0	–	–	–	151.7	–	0.0	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	332.8	–	0.0	–	–
137.0	23.0	–	69.8	–	–	0.0	–	–	–	–	0.0	–	–
137.0	30.0	–	10.4	–	–	0.0	–	–	–	–	0.0	–	–
137.0	35.0	–	3.3	–	–	0.0	–	–	–	–	0.0	–	–
140.0	30.0	–	16.6	–	–	0.0	–	–	–	–	–	–	–

TABLE 4. (cont.)

Scomberomorus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0 30.0	-	0.0	-	-	0.0	-	-	2.3	-	0.0	-	-

Trichiuridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 130.0	2.9	-	-	-	-	-	-	-	-	-	-	-
107.0 30.0	-	-	-	0.0	-	-	0.0	-	-	0.4	-	-
107.0 31.0	-	-	-	0.0	-	-	0.0	-	-	0.8	-	-
107.0 55.0	-	0.0	-	0.0	-	-	0.0	-	-	2.8	-	-
110.0 45.0	-	0.0	-	-	0.0	-	0.0	-	-	2.8	-	-
117.0 35.0	-	0.0	-	0.0	-	-	0.0	-	-	2.9	-	-
117.0 45.0	-	0.0	-	0.0	-	-	0.0	-	-	5.2	-	-
117.0 50.0	-	3.4	-	0.0	-	-	0.0	-	-	6.0	-	-
117.0 65.0	-	0.0	-	0.0	-	-	0.0	-	-	2.8	-	-
120.0 45.0	-	0.0	-	-	0.0	-	0.0	-	-	8.6	-	-
120.0 50.0	-	0.0	-	-	0.0	-	3.4	-	-	2.6	-	-
120.0 65.0	-	0.0	-	-	2.7	-	0.0	-	-	0.0	-	-
123.0 36.0	-	-	-	0.0	-	-	-	0.0	-	0.7	-	-
123.0 42.0	-	0.0	-	0.0	0.0	-	-	0.0	-	5.6	-	-
127.0 40.0	-	0.0	-	0.0	0.0	-	-	0.0	-	10.6	-	-
127.0 55.0	-	0.0	-	0.0	-	-	-	3.0	-	2.8	-	-
127.0 60.0	-	0.0	-	0.0	-	-	-	3.4	-	0.0	-	-
130.0 35.0	-	0.0	-	-	0.0	-	-	3.3	-	0.0	-	-
130.0 45.0	-	6.7	-	-	0.0	-	-	0.0	-	8.4	-	-
130.0 55.0	-	0.0	-	-	0.0	-	-	3.2	-	0.0	-	-
130.0 60.0	-	0.0	-	-	0.0	-	-	5.8	-	0.0	-	-
133.0 25.0	-	3.1	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0 55.0	-	0.0	-	-	0.0	-	-	2.8	-	0.0	-	-

Sphyraena argentea

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0 39.0	-	-	-	0.0	-	-	2.2	-	-	0.0	-	-
83.0 40.0	0.0	-	-	0.0	-	-	1.1	-	-	0.0	-	-
87.0 90.0	-	6.7	-	0.0	-	-	0.0	-	-	0.0	-	-
90.0 28.0	-	0.0	-	-	0.0	-	0.0	-	-	5.8	-	-
103.0 29.0	-	-	-	0.0	-	-	1.6	-	-	0.0	-	-
103.0 30.0	-	0.0	-	0.0	-	-	0.0	-	-	1.6	-	-
107.0 31.0	-	-	-	0.0	-	-	0.0	-	-	0.8	-	-
113.0 70.0	-	0.0	-	0.0	-	-	8.7	-	-	0.0	-	-
120.0 23.0	-	-	-	0.0	-	-	2.1	-	-	-	-	-
120.0 40.0	-	0.0	-	-	0.0	-	2.1	-	-	0.0	-	-
120.0 45.0	-	0.0	-	-	0.0	-	24.3	-	-	0.0	-	-
120.0 50.0	-	0.0	-	-	0.0	-	10.3	-	-	0.0	-	-

TABLE 4. (cont.)

Sphyraena argentea (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0 55.0	–	0.0	–	–	0.0	–	3.4	–	–	0.0	–	–
123.0 80.0	–	0.0	–	0.0	–	–	–	2.9	–	–	–	–
127.0 40.0	–	0.0	–	0.0	0.0	–	–	58.5	–	0.0	–	–
127.0 45.0	–	0.0	–	0.0	–	–	–	8.9	–	0.0	–	–
130.0 26.0	–	–	–	–	0.0	–	–	23.7	–	0.0	–	–
130.0 28.0	–	–	–	–	0.0	–	–	5.7	–	0.0	–	–
130.0 35.0	–	0.0	–	–	0.0	–	–	39.0	–	0.0	–	–
133.0 21.0	–	–	–	0.0	–	–	–	12.6	–	0.0	–	–
133.0 25.0	–	0.0	–	0.0	–	–	–	28.8	–	0.0	–	–
133.0 30.0	–	0.0	–	0.0	–	–	–	2.9	–	0.0	–	–

Icichthys lockingtoni

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 60.0	0.0	–	–	24.2	–	–	–	–	–	–	–	–
60.0 80.0	0.0	–	–	4.8	–	–	–	–	–	–	–	–
60.0 90.0	0.0	–	–	9.3	–	–	–	–	–	–	–	–
60.0 100.0	0.0	–	–	12.1	–	–	–	–	–	–	–	–
60.0 120.0	0.0	–	–	3.1	–	–	–	–	–	–	–	–
60.0 140.0	0.0	–	–	2.7	–	–	–	–	–	–	–	–
63.0 50.0	–	–	–	0.6	–	–	–	–	–	–	–	–
63.0 55.0	0.0	–	–	5.6	–	–	–	–	–	–	–	–
63.0 60.0	6.0	–	–	0.0	–	–	–	–	–	–	–	–
67.0 50.0	0.0	–	–	5.1	–	–	–	–	–	–	–	–
67.0 60.0	12.6	–	–	0.0	–	–	–	–	–	–	–	–
70.0 70.0	15.1	–	–	21.8	–	–	–	–	–	–	–	–
70.0 80.0	11.8	–	–	0.0	–	–	–	–	–	–	–	–
70.0 90.0	6.2	–	–	0.0	–	–	–	–	–	–	–	–
70.0 100.0	17.1	–	–	0.0	–	–	–	–	–	–	–	–
73.0 50.0	–	–	–	1.9	–	–	–	–	–	–	–	–
73.0 60.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
80.0 60.0	0.0	–	–	0.0	–	–	11.5	–	–	0.0	–	–
80.0 70.0	3.2	–	–	5.8	–	–	0.0	–	–	0.0	–	–
80.0 75.0	2.9	–	–	–	–	–	–	–	–	–	–	–
83.0 60.0	0.0	–	–	0.0	–	–	0.0	–	–	10.7	–	–
83.0 70.0	0.0	–	–	0.0	–	–	2.6	–	–	0.0	–	–
83.0 75.0	9.6	–	–	–	–	–	–	–	–	–	–	–
83.0 80.0	12.5	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0 85.0	13.1	–	–	–	–	–	–	–	–	–	–	–
83.0 90.0	7.0	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0 95.0	2.7	–	–	–	–	–	–	–	–	–	–	–
83.0 100.0	–	3.1	–	–	–	–	–	–	–	–	–	–
83.0 105.0	–	5.8	–	–	–	–	–	–	–	–	–	–
83.0 110.0	–	9.8	–	–	–	–	–	–	–	–	–	–
83.0 115.0	–	13.2	–	–	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Icichthys lockingtoni (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0 65.0	–	6.6	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 70.0	–	3.0	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 75.0	–	6.2	–	–	–	–	–	–	–	–	–	–
87.0 80.0	–	9.9	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 85.0	–	6.8	–	–	–	–	–	–	–	–	–	–
87.0 100.0	–	3.3	–	–	–	–	–	–	–	–	–	–
87.0 105.0	–	3.2	–	–	–	–	–	–	–	–	–	–
87.0 110.0	–	7.0	–	–	–	–	–	–	–	–	–	–
87.0 115.0	–	6.9	–	–	–	–	–	–	–	–	–	–
87.0 120.0	–	2.4	–	–	–	–	–	–	–	–	–	–
90.0 60.0	–	0.0	–	–	0.0	–	6.1	–	–	0.0	–	–
90.0 70.0	0.0	–	–	–	5.2	–	0.0	–	–	0.0	–	–
90.0 90.0	2.7	–	–	0.0	–	–	0.0	–	–	0.0	–	–
90.0 120.0	2.5	–	–	0.0	–	–	–	–	–	–	–	–
93.0 45.0	–	0.0	–	0.0	–	–	3.3	–	–	0.0	–	–
93.0 70.0	–	6.3	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0 65.0	–	9.3	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0 80.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
100.0 65.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–

Nomeidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0 70.0	–	0.0	–	0.0	–	–	–	2.7	–	0.0	–	–

Peprilus simillimus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0 50.0	–	–	–	–	–	–	1.3	–	–	–	–	–
83.0 39.0	–	–	–	0.0	–	–	8.7	–	–	0.4	–	–
83.0 40.0	0.0	–	–	0.0	–	–	9.0	–	–	0.0	–	–
83.0 43.0	0.0	–	–	0.0	–	–	6.2	–	–	0.0	–	–
113.0 30.0	–	3.9	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0 24.8	–	–	–	1.2	–	–	0.0	–	–	0.0	–	–
117.0 25.0	–	–	–	3.2	–	–	0.0	–	–	0.0	–	–
119.0 33.0	–	0.0	–	–	5.4	–	0.0	–	–	0.0	–	–
120.0 22.3	–	–	–	–	–	–	2.4	–	–	–	–	–
120.0 30.0	–	0.0	–	4.2	–	–	0.0	–	–	0.0	–	–
120.0 35.0	–	0.0	–	–	8.4	–	0.0	–	–	0.0	–	–
120.0 45.0	–	0.0	–	–	0.0	–	3.0	–	–	0.0	–	–
120.0 70.0	–	0.0	–	–	2.9	–	–	0.0	–	0.0	–	–
137.0 21.0	–	–	–	–	0.7	–	–	–	–	0.0	–	–
137.0 22.0	–	–	–	–	0.0	–	–	–	–	6.4	–	–
137.0 23.0	–	8.7	–	–	0.0	–	–	–	–	0.0	–	–

TABLE 4. (cont.)

Peprilus simillimus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0 30.0	–	3.5	–	–	0.0	–	–	–	–	0.0	–	–
140.0 30.0	–	13.8	–	–	0.0	–	–	–	–	–	–	–

Tetragonurus cuvieri

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 140.0	5.9	–	–	0.0	–	–	–	–	–	–	–	–
60.0 160.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
70.0 100.0	0.0	–	–	2.5	–	–	–	–	–	–	–	–
70.0 120.0	0.0	–	–	2.4	–	–	–	–	–	–	–	–
70.0 200.0	0.0	–	–	2.7	–	–	–	–	–	–	–	–
80.0 80.0	2.7	–	–	0.0	–	–	0.0	–	–	69.0	–	–
83.0 40.0	0.0	–	–	0.0	–	–	0.0	–	–	5.8	–	–
83.0 60.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
83.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	96.2	–	–
83.0 90.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
87.0 60.0	–	0.0	–	0.0	–	–	5.5	–	–	98.1	–	–
87.0 70.0	–	0.0	–	0.0	–	–	2.7	–	–	50.2	–	–
87.0 80.0	–	0.0	–	0.0	–	–	0.0	–	–	14.1	–	–
87.0 90.0	–	0.0	–	0.0	–	–	0.0	–	–	11.5	–	–
87.0 115.0	–	6.9	–	–	–	–	–	–	–	–	–	–
90.0 27.5	–	–	–	–	0.0	–	0.0	–	–	0.2	–	–
90.0 45.0	–	5.9	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0 80.0	5.9	–	–	–	0.0	–	0.0	–	–	27.9	–	–
90.0 90.0	2.7	–	–	0.0	–	–	5.9	–	–	2.7	–	–
90.0 100.0	2.9	–	–	0.0	–	–	–	–	–	–	–	–
90.0 110.0	16.2	–	–	–	–	–	–	–	–	–	–	–
90.0 120.0	2.5	–	–	2.8	–	–	–	–	–	–	–	–
90.0 140.0	5.2	–	–	17.1	–	–	–	–	–	–	–	–
90.0 180.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
93.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
93.0 55.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
93.0 65.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
93.0 80.0	–	3.2	–	0.0	–	–	8.2	–	–	0.0	–	–
93.0 90.0	–	9.5	–	0.0	–	–	–	–	–	2.5	–	–
93.0 100.0	–	12.0	–	–	–	–	–	–	–	–	–	–
97.0 35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
97.0 40.0	–	0.0	–	0.0	–	–	0.0	–	–	10.8	–	–
97.0 55.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
97.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	68.2	–	–
97.0 65.0	–	3.1	–	0.0	–	–	0.0	–	–	18.2	–	–
97.0 80.0	–	3.1	–	0.0	–	–	2.9	–	–	4.7	–	–
97.0 90.0	–	0.0	–	0.0	–	–	–	–	–	2.8	–	–
97.0 120.0	–	2.7	–	–	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Tetragonurus cuvieri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	45.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
100.0	50.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	55.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
100.0	60.0	–	0.0	–	–	0.0	–	0.0	–	–	21.7	–	–
100.0	65.0	–	3.0	–	–	0.0	–	0.0	–	–	16.6	–	–
100.0	70.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	80.0	–	12.0	–	–	0.0	–	0.0	–	–	11.3	–	–
100.0	90.0	–	0.0	–	–	0.0	–	0.0	–	–	5.6	–	–
100.0	120.0	–	8.4	–	–	0.0	–	–	–	–	–	–	–
103.0	55.0	–	2.8	–	0.0	–	–	0.0	–	–	5.5	–	–
103.0	60.0	–	0.0	–	0.0	–	–	0.0	–	–	27.1	–	–
103.0	80.0	–	30.2	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0	90.0	–	6.2	–	0.0	–	–	0.0	–	–	2.7	–	–
107.0	32.0	–	0.0	–	0.0	–	–	6.2	–	–	0.0	–	–
107.0	35.0	–	0.0	–	0.0	–	–	6.2	–	–	0.0	–	–
107.0	45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
107.0	55.0	–	0.0	–	0.0	–	–	3.2	–	–	0.0	–	–
107.0	60.0	–	15.9	–	0.0	–	–	3.1	–	–	2.7	–	–
107.0	65.0	–	0.0	–	0.0	–	–	3.2	–	–	2.7	–	–
107.0	70.0	–	6.2	–	0.0	–	–	0.0	–	–	11.3	–	–
107.0	80.0	–	3.2	–	0.0	–	–	0.0	–	–	5.3	–	–
107.0	90.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
110.0	60.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	65.0	–	0.0	–	–	0.0	–	0.0	–	–	5.5	–	–
113.0	65.0	–	0.0	–	0.0	–	–	3.0	–	–	5.3	–	–
113.0	80.0	–	0.0	–	0.0	–	–	2.8	–	–	0.0	–	–
117.0	40.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
117.0	65.0	–	0.0	–	0.0	–	–	5.9	–	–	0.0	–	–
117.0	70.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
117.0	90.0	–	0.0	–	0.0	–	–	5.9	–	–	–	–	–
120.0	70.0	–	0.0	–	–	0.0	–	–	3.0	–	0.0	–	–
120.0	80.0	–	0.0	–	–	0.0	–	–	23.9	–	–	–	–
123.0	55.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
123.0	80.0	–	0.0	–	0.0	–	–	–	8.7	–	–	–	–
130.0	90.0	–	0.0	–	–	2.9	–	–	–	–	–	–	–
133.0	65.0	–	0.0	–	–	0.0	–	–	2.6	–	–	–	–

Chiasmodontidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	100.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
97.0	80.0	–	3.1	–	0.0	–	–	0.0	–	–	2.3	–	–
103.0	60.0	–	0.0	–	5.7	–	–	0.0	–	–	0.0	–	–
103.0	65.0	–	0.0	–	2.7	–	–	0.0	–	–	2.7	–	–
103.0	70.0	–	0.0	–	2.9	–	–	2.9	–	–	0.0	–	–

TABLE 4. (cont.)

Chiasmodontidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	80.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
107.0	80.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
107.0	90.0	–	9.6	–	0.0	–	–	0.0	–	–	0.0	–	–
110.0	90.0	–	8.7	–	–	0.0	–	0.0	–	–	0.0	–	–
117.0	45.0	–	0.0	–	0.0	–	–	0.0	–	–	5.2	–	–
117.0	70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
120.0	55.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
120.0	80.0	–	0.0	–	–	0.0	–	–	3.0	–	–	–	–
123.0	42.0	–	0.0	–	0.0	2.2	–	–	0.0	–	0.0	–	–
123.0	50.0	–	0.0	–	0.0	–	–	–	2.6	–	0.0	–	–
123.0	55.0	–	3.2	–	3.0	–	–	–	9.0	–	0.0	–	–
123.0	70.0	–	0.0	–	0.0	–	–	–	2.7	–	0.0	–	–
127.0	45.0	–	3.0	–	0.0	–	–	–	0.0	–	0.0	–	–
127.0	65.0	–	0.0	–	0.0	–	–	–	5.9	–	0.0	–	–
127.0	80.0	–	0.0	–	0.0	–	–	–	3.0	–	–	–	–
130.0	40.0	–	3.4	–	–	0.0	–	–	3.2	–	0.0	–	–
130.0	65.0	–	–	–	–	–	–	–	2.9	–	0.0	–	–
130.0	70.0	–	0.0	–	–	0.0	–	–	8.6	–	0.0	–	–
130.0	80.0	–	0.0	–	–	0.0	–	–	9.1	–	–	–	–
133.0	40.0	–	0.0	–	0.0	–	–	–	3.1	–	0.0	–	–
133.0	45.0	–	0.0	–	0.0	–	–	–	3.0	–	0.0	–	–
133.0	50.0	–	0.0	–	0.0	–	–	–	2.9	–	0.0	–	–
133.0	65.0	–	0.0	–	–	0.0	–	–	2.6	–	–	–	–
133.0	70.0	–	0.0	–	–	0.0	–	–	2.5	–	–	–	–
133.0	80.0	–	0.0	–	–	3.1	–	–	8.4	–	–	–	–
137.0	70.0	–	0.0	–	–	0.0	–	–	5.6	–	–	–	–
137.0	80.0	–	0.0	–	–	5.3	–	–	0.0	–	–	–	–

Pleuronectiformes

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	48.0	–	–	–	3.2	–	–	–	–	–	–	–	–
83.0	51.0	2.0	–	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	33.0	–	–	–	0.0	–	–	0.0	–	–	1.2	–	–
93.0	27.0	–	–	–	0.0	–	–	0.0	–	–	2.6	–	–
97.0	29.0	–	–	–	1.6	–	–	0.0	–	–	0.0	–	–
97.0	32.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
100.0	35.0	–	0.0	–	–	0.0	–	0.0	–	–	2.5	–	–
103.0	29.0	–	–	–	0.0	–	–	0.0	–	–	0.8	–	–
107.0	35.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
113.0	29.0	–	–	–	1.4	–	–	0.0	–	–	0.0	–	–
113.0	30.0	–	0.0	–	0.0	–	–	13.1	–	–	0.0	–	–
117.0	24.8	–	–	–	0.0	–	–	4.9	–	–	0.3	–	–
120.0	23.0	–	–	–	0.0	–	–	22.8	–	–	–	–	–
120.0	24.0	–	–	–	0.0	–	–	38.1	–	–	0.0	–	–

TABLE 4. (cont.)

Pleuronectiformes (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0 25.0	-	0.0	-	0.0	-	-	352.0	-	-	0.0	-	-
120.0 30.0	-	0.0	-	0.0	-	-	0.0	-	-	21.9	-	-
120.0 40.0	-	0.0	-	-	0.0	-	21.2	-	-	0.0	-	-
120.0 45.0	-	0.0	-	-	0.0	-	3.0	-	-	0.0	-	-
120.0 50.0	-	0.0	-	-	0.0	-	6.8	-	-	0.0	-	-
120.0 55.0	-	0.0	-	-	0.0	-	23.9	-	-	0.0	-	-
127.0 33.0	-	-	-	0.0	-	-	-	1.3	-	8.0	-	-
130.0 26.0	-	-	-	-	0.0	-	-	3.4	-	0.0	-	-
130.0 30.0	-	214.0	-	-	2.3	-	-	0.0	-	0.0	-	-
133.0 21.0	-	-	-	0.0	-	-	-	6.3	-	0.6	-	-
133.0 23.0	-	-	-	0.0	-	-	-	6.1	-	2.8	-	-
133.0 25.0	-	0.0	-	0.0	-	-	-	25.6	-	0.0	-	-
133.0 30.0	-	0.0	-	0.0	-	-	-	0.0	-	5.6	-	-

Bothus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0 35.0	-	0.0	-	0.0	-	-	-	0.0	-	2.8	-	-
137.0 35.0	-	0.0	-	-	0.0	-	-	-	-	2.7	-	-

Citharichthys spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 51.0	-	-	-	1.6	-	-	-	-	-	-	-	-
60.0 60.0	6.0	-	-	0.0	-	-	-	-	-	-	-	-
60.0 70.0	0.0	-	-	5.3	-	-	-	-	-	-	-	-
60.0 90.0	0.0	-	-	2.3	-	-	-	-	-	-	-	-
60.0 100.0	0.0	-	-	3.0	-	-	-	-	-	-	-	-
60.0 120.0	0.0	-	-	3.1	-	-	-	-	-	-	-	-
63.0 55.0	5.0	-	-	0.0	-	-	-	-	-	-	-	-
63.0 60.0	20.9	-	-	2.8	-	-	-	-	-	-	-	-
67.0 55.0	3.0	-	-	2.6	-	-	-	-	-	-	-	-
67.0 60.0	3.2	-	-	2.7	-	-	-	-	-	-	-	-
70.0 52.0	-	-	-	2.6	-	-	-	-	-	-	-	-
70.0 60.0	5.9	-	-	0.0	-	-	-	-	-	-	-	-
70.0 70.0	3.0	-	-	38.1	-	-	-	-	-	-	-	-
70.0 80.0	20.6	-	-	0.0	-	-	-	-	-	-	-	-
70.0 90.0	6.2	-	-	0.0	-	-	-	-	-	-	-	-
70.0 100.0	2.8	-	-	0.0	-	-	-	-	-	-	-	-
73.0 50.0	-	-	-	1.9	-	-	-	-	-	-	-	-
73.0 51.0	-	-	-	2.9	-	-	-	-	-	-	-	-
73.0 60.0	11.4	-	-	0.0	-	-	-	-	-	-	-	-
77.0 51.0	5.6	-	-	0.0	-	-	-	-	-	-	-	-
77.0 55.0	12.1	-	-	0.0	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	57.0	8.7	–	–	2.8	–	–	–	–	–	–	–	–
80.0	50.2	–	–	–	0.0	–	–	–	–	–	1.2	–	–
80.0	51.0	–	–	–	0.0	–	–	0.0	–	–	80.6	–	–
80.0	52.0	10.8	–	–	0.0	–	–	0.0	–	–	43.4	–	–
80.0	55.0	3.0	–	–	0.0	–	–	0.0	–	–	5.3	–	–
80.0	60.0	2.8	–	–	0.0	–	–	0.0	–	–	0.0	–	–
80.0	65.0	5.2	–	–	0.0	–	–	0.0	–	–	2.8	–	–
80.0	70.0	3.2	–	–	0.0	–	–	0.0	–	–	0.0	–	–
80.0	80.0	0.0	–	–	0.0	–	–	0.0	–	–	2.8	–	–
82.0	47.0	0.0	–	–	0.0	–	–	0.0	–	–	9.7	–	–
83.0	40.0	0.0	–	–	0.0	–	–	2.3	–	–	5.8	–	–
83.0	43.0	0.0	–	–	0.0	–	–	0.0	–	–	10.6	–	–
83.0	51.0	2.0	–	–	0.0	–	–	0.0	–	–	5.8	–	–
83.0	55.0	5.9	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0	60.0	2.4	–	–	3.2	–	–	0.0	–	–	0.0	–	–
83.0	70.0	0.0	–	–	0.0	–	–	0.0	–	–	5.2	–	–
83.0	95.0	5.3	–	–	–	–	–	–	–	–	–	–	–
83.0	100.0	–	3.1	–	–	–	–	–	–	–	–	–	–
83.0	105.0	–	8.7	–	–	–	–	–	–	–	–	–	–
83.0	110.0	–	3.3	–	–	–	–	–	–	–	–	–	–
83.0	120.0	–	3.1	–	–	–	–	–	–	–	–	–	–
87.0	33.0	–	–	–	0.0	–	–	0.0	–	–	1.8	–	–
87.0	34.0	–	–	–	1.7	–	–	0.0	–	–	0.7	–	–
87.0	35.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	40.0	–	9.4	–	0.0	–	–	0.0	–	–	2.7	–	–
87.0	50.0	–	0.0	–	0.0	–	–	0.0	–	–	6.9	–	–
87.0	60.0	–	3.0	–	0.0	–	–	2.7	–	–	2.7	–	–
87.0	65.0	–	0.0	–	0.0	–	–	5.1	–	–	5.4	–	–
87.0	70.0	–	3.0	–	0.0	–	–	2.7	–	–	0.0	–	–
87.0	110.0	–	3.5	–	–	–	–	–	–	–	–	–	–
90.0	28.0	–	2.7	–	–	0.0	–	0.0	–	–	2.9	–	–
90.0	32.0	–	6.3	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	53.0	–	0.0	–	–	3.0	–	0.0	–	–	0.0	–	–
90.0	65.0	0.0	–	–	–	0.0	–	8.4	–	–	0.0	–	–
90.0	70.0	3.1	–	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	80.0	5.9	–	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	90.0	0.0	–	–	0.0	–	–	11.8	–	–	0.0	–	–
90.0	110.0	2.7	–	–	–	–	–	–	–	–	–	–	–
93.0	28.0	–	12.0	–	0.0	–	–	0.0	–	–	7.0	–	–
93.0	30.0	–	14.3	–	0.0	–	–	2.9	–	–	0.0	–	–
93.0	35.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	40.0	–	0.0	–	0.0	–	–	18.4	–	–	0.0	–	–
93.0	65.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
93.0	70.0	–	3.1	–	0.0	–	–	3.0	–	–	0.0	–	–
93.0	80.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	90.0	–	0.0	–	2.9	–	–	–	–	–	0.0	–	–

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	29.0	–	–	–	0.0	–	–	0.0	–	–	6.5	–	–
97.0	30.0	–	65.5	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0	32.0	–	101.1	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0	40.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
97.0	45.0	–	0.0	–	0.0	–	–	3.4	–	–	0.0	–	–
100.0	29.0	–	–	–	–	0.0	–	2.5	–	–	1.4	–	–
100.0	30.0	–	0.0	–	–	6.0	–	0.0	–	–	5.5	–	–
103.0	29.0	–	–	–	0.0	–	–	0.8	–	–	2.3	–	–
103.0	30.0	–	3.0	–	0.0	–	–	0.0	–	–	24.6	–	–
103.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
103.0	40.0	–	0.0	–	0.0	–	–	0.0	–	–	3.0	–	–
103.0	55.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
107.0	32.0	–	2.7	–	0.0	–	–	0.0	–	–	8.6	–	–
107.0	35.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
107.0	40.0	–	9.8	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
110.0	32.0	–	1.9	–	–	0.0	–	0.0	–	–	4.1	–	–
110.0	35.0	–	0.0	–	–	0.0	–	14.8	–	–	0.0	–	–
110.0	40.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	50.0	–	3.2	–	–	5.7	–	0.0	–	–	0.0	–	–
110.0	55.0	–	0.0	–	–	0.0	–	3.0	–	–	0.0	–	–
110.0	65.0	–	0.0	–	–	0.0	–	8.7	–	–	0.0	–	–
113.0	29.0	–	–	–	0.0	–	–	9.7	–	–	2.8	–	–
113.0	30.0	–	279.4	–	0.0	–	–	152.0	–	–	2.5	–	–
113.0	35.0	–	3.0	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	40.0	–	3.1	–	5.6	–	–	0.0	–	–	0.0	–	–
113.0	45.0	–	19.4	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	60.0	–	95.1	–	0.0	–	–	3.0	–	–	0.0	–	–
113.0	65.0	–	3.1	–	0.0	–	–	3.0	–	–	0.0	–	–
113.0	70.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
113.0	80.0	–	0.0	–	0.0	–	–	2.8	–	–	0.0	–	–
115.0	35.0	–	8.7	–	–	0.0	–	–	–	–	–	–	–
117.0	24.8	–	–	–	36.6	–	–	54.5	–	–	0.0	–	–
117.0	25.0	–	–	–	91.2	–	–	339.3	–	–	1.8	–	–
117.0	26.0	–	2.0	–	43.6	–	–	13.4	–	–	10.2	–	–
117.0	30.0	–	30.1	–	0.0	–	–	0.0	–	–	5.7	–	–
117.0	35.0	–	55.5	–	6.0	–	–	0.0	–	–	96.4	–	–
117.0	40.0	–	12.0	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	45.0	–	40.9	–	2.9	–	–	0.0	–	–	0.0	–	–
117.0	50.0	–	144.5	–	0.0	–	–	0.0	–	–	6.0	–	–
117.0	55.0	–	0.0	–	0.0	–	–	0.0	–	–	5.7	–	–
117.0	65.0	–	0.0	–	33.4	–	–	3.0	–	–	0.0	–	–
118.0	39.0	–	92.1	–	15.2	–	–	0.0	–	–	11.5	–	–
119.0	33.0	–	0.0	–	–	803.7	–	16.3	–	–	46.1	–	–
120.0	22.3	–	–	–	–	–	–	14.2	–	–	–	–	–
120.0	23.0	–	–	–	9.8	–	–	4.1	–	–	–	–	–

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	24.0	-	-	-	44.3	-	-	255.7	-	-	0.5	-	-
120.0	25.0	-	40.6	-	46.1	-	-	182.4	-	-	13.9	-	-
120.0	30.0	-	10.1	-	171.4	-	-	117.5	-	-	82.6	-	-
120.0	35.0	-	16.1	-	-	633.3	-	44.5	-	-	71.7	-	-
120.0	40.0	-	40.8	-	-	0.0	-	86.9	-	-	117.2	-	-
120.0	45.0	-	8.9	-	-	153.7	-	0.0	-	-	8.6	-	-
120.0	50.0	-	0.0	-	-	25.5	-	51.3	-	-	5.2	-	-
120.0	55.0	-	6.1	-	-	10.8	-	6.8	-	-	3.7	-	-
120.0	60.0	-	0.0	-	-	8.6	-	6.8	-	-	0.0	-	-
120.0	65.0	-	2.9	-	-	16.3	-	0.0	-	-	0.0	-	-
120.0	70.0	-	0.0	-	-	40.6	-	-	6.1	-	16.0	-	-
120.0	80.0	-	0.0	-	-	2.8	-	-	0.0	-	-	-	-
123.0	36.0	-	-	-	2.4	-	-	-	0.0	-	0.7	-	-
123.0	37.0	-	25.5	-	14.4	-	-	-	0.0	-	40.8	-	-
123.0	42.0	-	25.2	-	0.0	0.0	-	-	0.0	-	5.6	-	-
123.0	45.0	-	3.1	-	29.8	-	-	-	0.0	-	0.0	-	-
123.0	50.0	-	0.0	-	25.4	-	-	-	2.6	-	0.0	-	-
123.0	55.0	-	0.0	-	0.0	-	-	-	0.0	-	5.5	-	-
123.0	60.0	-	3.0	-	2.7	-	-	-	0.0	-	0.0	-	-
123.0	65.0	-	3.2	-	0.0	-	-	-	3.0	-	0.0	-	-
123.5	35.6	-	-	-	1.6	-	-	-	-	-	-	-	-
127.0	32.6	-	-	-	4.0	-	-	-	-	-	0.3	-	-
127.0	33.0	-	-	-	0.0	-	-	-	0.0	-	17.3	-	-
127.0	34.0	-	11.2	-	0.0	-	-	-	0.0	-	27.0	-	-
127.0	40.0	-	12.1	-	5.9	0.0	-	-	8.4	-	0.0	-	-
127.0	45.0	-	0.0	-	2.9	-	-	-	0.0	-	0.0	-	-
127.0	50.0	-	0.0	-	3.0	-	-	-	0.0	-	0.0	-	-
127.0	55.0	-	2.8	-	0.0	-	-	-	0.0	-	0.0	-	-
127.0	60.0	-	0.0	-	6.0	-	-	-	0.0	-	0.0	-	-
127.0	65.0	-	0.0	-	8.7	-	-	-	0.0	-	0.0	-	-
127.0	70.0	-	0.0	-	14.5	-	-	-	0.0	-	3.0	-	-
127.0	80.0	-	0.0	-	5.6	-	-	-	0.0	-	-	-	-
130.0	25.5	-	-	-	-	0.0	-	-	0.0	-	3.8	-	-
130.0	26.0	-	-	-	-	0.4	-	-	6.8	-	9.6	-	-
130.0	28.0	-	-	-	-	0.0	-	-	79.8	-	3.2	-	-
130.0	30.0	-	267.5	-	-	0.0	-	-	7.0	-	9.9	-	-
130.0	35.0	-	6.3	-	-	0.0	-	-	0.0	-	2.9	-	-
130.0	45.0	-	69.9	-	-	0.0	-	-	0.0	-	2.8	-	-
130.0	50.0	-	0.0	-	-	2.7	-	-	0.0	-	0.0	-	-
130.0	65.0	-	-	-	-	-	-	-	0.0	-	19.9	-	-
130.0	70.0	-	3.4	-	-	0.0	-	-	0.0	-	28.6	-	-
133.0	20.5	-	-	-	-	-	-	-	0.0	-	0.6	-	-
133.0	21.0	-	-	-	0.0	-	-	-	170.6	-	12.8	-	-
133.0	23.0	-	-	-	0.0	-	-	-	55.3	-	25.4	-	-
133.0	25.0	-	59.3	-	0.0	-	-	-	83.2	-	43.9	-	-
133.0	30.0	-	67.6	-	0.0	-	-	-	14.7	-	131.6	-	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0 35.0	–	18.2	–	0.0	–	–	–	28.3	–	5.6	–	–
133.0 40.0	–	12.0	–	0.0	–	–	–	0.0	–	2.7	–	–
133.0 45.0	–	2.8	–	0.0	–	–	–	0.0	–	0.0	–	–
137.0 20.0	–	–	–	–	0.0	–	–	–	–	2.0	–	–
137.0 21.0	–	–	–	–	0.0	–	–	–	–	16.5	–	–
137.0 22.0	–	–	–	–	0.0	–	–	–	–	54.6	–	–
137.0 23.0	–	0.0	–	–	0.0	–	–	–	–	7.2	–	–
137.0 30.0	–	3.5	–	–	6.1	–	–	–	–	0.0	–	–
137.0 35.0	–	0.0	–	–	2.9	–	–	–	–	0.0	–	–
137.0 55.0	–	0.0	–	–	0.0	–	–	11.2	–	0.0	–	–
137.0 60.0	–	0.0	–	–	0.0	–	–	2.9	–	0.0	–	–
140.0 30.0	–	11.0	–	–	5.2	–	–	–	–	–	–	–

Citharichthys stigmaeus

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0 52.0	2.3	–	–	0.0	–	–	–	–	–	–	–	–
67.0 55.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
67.0 60.0	9.5	–	–	0.0	–	–	–	–	–	–	–	–
70.0 70.0	0.0	–	–	5.4	–	–	–	–	–	–	–	–
70.0 80.0	3.0	–	–	0.0	–	–	–	–	–	–	–	–
70.0 90.0	3.1	–	–	0.0	–	–	–	–	–	–	–	–
70.0 100.0	2.8	–	–	0.0	–	–	–	–	–	–	–	–
73.0 50.0	–	–	–	1.9	–	–	–	–	–	–	–	–
73.0 51.0	–	–	–	2.9	–	–	–	–	–	–	–	–
73.0 53.0	8.7	–	–	0.0	–	–	–	–	–	–	–	–
73.0 60.0	11.4	–	–	0.0	–	–	–	–	–	–	–	–
77.0 57.0	29.0	–	–	0.0	–	–	–	–	–	–	–	–
80.0 51.0	–	–	–	0.0	–	–	0.0	–	–	28.8	–	–
80.0 52.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
80.0 55.0	3.0	–	–	0.0	–	–	2.5	–	–	5.3	–	–
80.0 60.0	5.7	–	–	0.0	–	–	0.0	–	–	0.0	–	–
80.0 65.0	5.2	–	–	3.3	–	–	0.0	–	–	0.0	–	–
80.0 70.0	0.0	–	–	0.0	–	–	5.3	–	–	5.3	–	–
80.0 75.0	2.9	–	–	–	–	–	–	–	–	–	–	–
80.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	5.5	–	–
83.0 39.0	–	–	–	0.0	–	–	0.0	–	–	0.4	–	–
83.0 40.0	0.0	–	–	0.0	–	–	0.0	–	–	5.8	–	–
83.0 43.0	0.0	–	–	0.0	–	–	0.0	–	–	16.0	–	–
83.0 51.0	0.0	–	–	0.0	–	–	0.0	–	–	2.9	–	–
83.0 55.0	5.9	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0 60.0	7.3	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0 65.0	7.9	–	–	3.1	–	–	0.0	–	–	0.0	–	–
83.0 70.0	0.0	–	–	0.0	–	–	0.0	–	–	2.6	–	–
83.0 80.0	6.2	–	–	0.0	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Citharichthys stigmaeus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0 85.0	3.3	–	–	–	–	–	–	–	–	–	–	–
83.0 90.0	3.5	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0 95.0	2.7	–	–	–	–	–	–	–	–	–	–	–
83.0 100.0	–	3.1	–	–	–	–	–	–	–	–	–	–
83.0 105.0	–	11.6	–	–	–	–	–	–	–	–	–	–
87.0 40.0	–	6.3	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 55.0	–	6.8	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
87.0 65.0	–	3.3	–	0.0	–	–	0.0	–	–	2.7	–	–
87.0 75.0	–	3.1	–	–	–	–	–	–	–	–	–	–
87.0 90.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 95.0	–	6.0	–	–	–	–	–	–	–	–	–	–
90.0 32.0	–	6.3	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0 45.0	–	0.0	–	–	0.0	–	2.8	–	–	0.0	–	–
90.0 100.0	5.9	–	–	0.0	–	–	–	–	–	–	–	–
93.0 35.0	–	0.0	–	3.1	–	–	0.0	–	–	0.0	–	–
93.0 55.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
93.0 70.0	–	6.3	–	0.0	–	–	3.0	–	–	0.0	–	–
97.0 45.0	–	0.0	–	0.0	–	–	3.4	–	–	0.0	–	–
97.0 50.0	–	0.0	–	2.8	–	–	4.2	–	–	0.0	–	–
97.0 60.0	–	0.0	–	2.7	–	–	0.0	–	–	0.0	–	–
103.0 29.0	–	–	–	1.7	–	–	0.0	–	–	0.0	–	–
103.0 30.0	–	0.0	–	2.0	–	–	0.0	–	–	0.0	–	–
107.0 32.0	–	0.0	–	8.4	–	–	0.0	–	–	0.0	–	–
110.0 35.0	–	0.0	–	–	2.4	–	0.0	–	–	0.0	–	–
117.0 45.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
133.0 35.0	–	0.0	–	0.0	–	–	–	2.8	–	0.0	–	–

Hippoglossina stomata

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0 34.0	–	–	–	0.0	–	–	0.0	–	–	1.4	–	–
87.0 35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
90.0 27.5	–	–	–	–	0.0	–	0.0	–	–	0.2	–	–
93.0 26.5	–	–	–	0.0	–	–	0.0	–	–	0.3	–	–
93.0 28.0	–	0.0	–	0.0	–	–	0.0	–	–	3.5	–	–
93.0 30.0	–	2.9	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0 35.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0 29.0	–	–	–	0.0	–	–	0.0	–	–	7.1	–	–
97.0 30.0	–	0.0	–	0.0	–	–	0.0	–	–	0.7	–	–
97.0 32.0	–	0.0	–	0.0	–	–	0.0	–	–	5.4	–	–
100.0 29.0	–	–	–	–	0.0	–	0.0	–	–	0.2	–	–
100.0 30.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–
103.0 30.0	–	0.0	–	0.0	–	–	0.0	–	–	1.6	–	–
107.0 30.0	–	–	–	0.0	–	–	0.0	–	–	0.4	–	–

TABLE 4. (cont.)

Hippoglossina stomata (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	30.0	-	0.0	-	0.0	-	-	5.2	-	-	0.0	-	-
117.0	24.8	-	-	-	0.0	-	-	6.6	-	-	0.0	-	-
117.0	25.0	-	-	-	0.0	-	-	5.9	-	-	0.0	-	-
117.0	26.0	-	0.0	-	0.0	-	-	6.7	-	-	0.0	-	-
117.0	50.0	-	3.4	-	0.0	-	-	0.0	-	-	0.0	-	-
117.0	55.0	-	0.0	-	0.0	-	-	0.0	-	-	2.9	-	-
120.0	25.0	-	0.0	-	0.0	-	-	3.2	-	-	0.0	-	-
120.0	30.0	-	0.0	-	0.0	-	-	0.0	-	-	2.4	-	-
120.0	35.0	-	0.0	-	-	5.6	-	0.0	-	-	0.0	-	-
120.0	50.0	-	0.0	-	-	0.0	-	6.8	-	-	2.6	-	-
120.0	70.0	-	0.0	-	-	5.8	-	-	0.0	-	0.0	-	-
130.0	28.0	-	-	-	-	0.0	-	-	39.9	-	2.1	-	-
130.0	30.0	-	0.0	-	-	0.0	-	-	14.0	-	0.0	-	-
130.0	35.0	-	0.0	-	-	0.0	-	-	3.3	-	0.0	-	-
133.0	21.0	-	-	-	0.0	-	-	-	31.6	-	0.0	-	-
133.0	23.0	-	-	-	0.0	-	-	-	49.1	-	0.0	-	-
133.0	25.0	-	28.1	-	0.0	-	-	-	0.0	-	2.6	-	-
133.0	30.0	-	6.4	-	2.8	-	-	-	0.0	-	11.2	-	-
133.0	35.0	-	3.0	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0	22.0	-	-	-	-	1.4	-	-	-	-	0.0	-	-
137.0	30.0	-	0.0	-	-	3.0	-	-	-	-	0.0	-	-
137.0	40.0	-	0.0	-	-	2.7	-	-	-	-	0.0	-	-
140.0	29.0	-	-	-	-	0.6	-	-	-	-	-	-	-
140.0	30.0	-	5.5	-	-	2.6	-	-	-	-	-	-	-

Paralichthys californicus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	53.0	2.4	-	-	0.0	-	-	-	-	-	-	-	-
73.0	49.4	-	-	-	2.7	-	-	-	-	-	-	-	-
80.0	55.0	0.0	-	-	0.0	-	-	0.0	-	-	2.7	-	-
83.0	39.0	-	-	-	0.0	-	-	18.5	-	-	0.0	-	-
83.0	40.0	5.6	-	-	0.0	-	-	7.9	-	-	2.9	-	-
87.0	32.5	-	-	-	2.4	-	-	0.0	-	-	0.0	-	-
87.0	34.0	-	-	-	0.0	-	-	0.0	-	-	1.4	-	-
87.0	35.0	-	16.3	-	3.1	-	-	0.0	-	-	0.0	-	-
90.0	27.5	-	-	-	-	0.0	-	1.2	-	-	1.0	-	-
90.0	28.0	-	0.0	-	-	0.0	-	2.9	-	-	0.0	-	-
93.0	26.5	-	-	-	1.3	-	-	0.0	-	-	1.0	-	-
93.0	27.0	-	-	-	4.0	-	-	0.0	-	-	9.0	-	-
93.0	30.0	-	5.7	-	0.0	-	-	0.0	-	-	0.0	-	-
96.8	28.7	-	-	-	0.7	-	-	-	-	-	-	-	-
97.0	28.7	-	-	-	-	-	-	0.0	-	-	4.4	-	-
97.0	29.0	-	-	-	0.0	-	-	0.0	-	-	8.4	-	-
97.0	30.0	-	21.1	-	0.0	-	-	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Paralichthys californicus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	32.0	–	48.9	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0	28.5	–	–	–	1.0	–	–	–	–	–	2.7	–	–
103.0	29.0	–	–	–	0.0	–	–	4.9	–	–	7.6	–	–
103.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	1.6	–	–
103.0	35.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
107.0	30.0	–	–	–	0.0	–	–	13.5	–	–	3.6	–	–
107.0	31.0	–	–	–	0.0	–	–	0.0	–	–	1.6	–	–
107.0	32.0	–	0.0	–	0.0	–	–	0.0	–	–	20.0	–	–
107.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
110.0	32.0	–	0.0	–	–	3.8	–	0.0	–	–	0.0	–	–
113.0	30.0	–	1.9	–	0.0	–	–	2.6	–	–	0.0	–	–
117.0	25.0	–	–	–	0.0	–	–	7.8	–	–	0.9	–	–
120.0	22.3	–	–	–	–	–	–	2.4	–	–	–	–	–
120.0	23.0	–	–	–	1.0	–	–	0.0	–	–	–	–	–
120.0	24.0	–	–	–	0.0	–	–	19.0	–	–	0.0	–	–
120.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	2.4	–	–
120.0	35.0	–	0.0	–	–	5.6	–	0.0	–	–	0.0	–	–
120.0	50.0	–	0.0	–	–	0.0	–	3.4	–	–	0.0	–	–
120.0	55.0	–	0.0	–	–	0.0	–	3.4	–	–	0.0	–	–
123.0	50.0	–	0.0	–	2.8	–	–	–	0.0	–	0.0	–	–
130.0	25.5	–	–	–	–	0.0	–	–	0.0	–	0.3	–	–
130.0	26.0	–	–	–	–	0.0	–	–	13.5	–	0.0	–	–
130.0	30.0	–	53.5	–	–	0.0	–	–	0.0	–	0.0	–	–
133.0	23.0	–	–	–	0.0	–	–	–	6.1	–	0.0	–	–
137.0	20.0	–	–	–	–	0.2	–	–	–	–	0.0	–	–
137.0	21.0	–	–	–	–	9.2	–	–	–	–	0.0	–	–
137.0	22.0	–	–	–	–	8.3	–	–	–	–	0.0	–	–
137.0	23.0	–	0.0	–	–	5.3	–	–	–	–	0.0	–	–
140.0	28.8	–	–	–	–	0.3	–	–	–	–	–	–	–

Syacium ovale

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	25.0	–	0.0	–	0.0	–	–	–	3.2	–	0.0	–	–
137.0	22.0	–	–	–	–	0.0	–	–	–	–	1.1	–	–
137.0	40.0	–	0.0	–	–	0.0	–	–	–	–	2.7	–	–

Xystreurys liolepis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	28.7	–	–	–	–	–	–	0.0	–	–	0.2	–	–
97.0	29.0	–	–	–	0.0	–	–	0.0	–	–	20.1	–	–
103.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	1.6	–	–
107.0	32.0	–	2.7	–	0.0	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Xystreurys liolepis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	29.0	–	–	–	0.0	–	–	0.0	–	–	0.8	–	–
117.0	24.8	–	–	–	0.0	–	–	3.3	–	–	0.0	–	–
120.0	30.0	–	0.0	–	2.1	–	–	0.0	–	–	0.0	–	–
120.0	40.0	–	0.0	–	–	2.4	–	0.0	–	–	0.0	–	–
120.0	45.0	–	0.0	–	–	2.9	–	0.0	–	–	0.0	–	–
127.0	33.0	–	–	–	0.0	–	–	–	8.8	–	2.7	–	–
130.0	28.0	–	–	–	–	0.0	–	–	2.8	–	0.0	–	–
133.0	21.0	–	–	–	0.0	–	–	–	25.3	–	0.0	–	–
133.0	23.0	–	–	–	0.0	–	–	–	30.7	–	0.0	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	12.8	–	0.0	–	–

Glyptocephalus zachirus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	52.0	0.0	–	–	2.4	–	–	–	–	–	–	–	–
63.0	50.0	–	–	–	1.9	–	–	–	–	–	–	–	–
63.0	51.0	–	–	–	20.0	–	–	–	–	–	–	–	–
63.0	52.0	0.0	–	–	5.4	–	–	–	–	–	–	–	–
63.0	60.0	0.0	–	–	13.8	–	–	–	–	–	–	–	–
67.0	49.0	–	–	–	31.0	–	–	–	–	–	–	–	–
67.0	50.0	0.0	–	–	5.1	–	–	–	–	–	–	–	–
70.0	60.0	0.0	–	–	5.0	–	–	–	–	–	–	–	–
70.0	70.0	0.0	–	–	5.4	–	–	–	–	–	–	–	–

Hypsopsetta guttulata

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	39.0	–	–	–	0.0	–	–	2.2	–	–	0.0	–	–
97.0	30.0	–	2.3	–	4.6	–	–	0.0	–	–	0.0	–	–
107.0	30.0	–	–	–	0.0	–	–	0.0	–	–	0.7	–	–

Lyopsetta exilis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	50.0	–	–	–	4.6	–	–	–	–	–	–	–	–
60.0	51.0	–	–	–	21.8	–	–	–	–	–	–	–	–
60.0	52.0	0.0	–	–	28.7	–	–	–	–	–	–	–	–
60.0	55.0	0.0	–	–	10.1	–	–	–	–	–	–	–	–
60.0	60.0	6.0	–	–	0.0	–	–	–	–	–	–	–	–
60.0	70.0	0.0	–	–	5.3	–	–	–	–	–	–	–	–
63.0	55.0	0.0	–	–	33.6	–	–	–	–	–	–	–	–
63.0	60.0	3.0	–	–	5.5	–	–	–	–	–	–	–	–
67.0	49.0	–	–	–	10.3	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Lyopsetta exilis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	55.0	0.0	–	–	7.8	–	–	–	–	–	–	–	–
67.0	60.0	0.0	–	–	2.7	–	–	–	–	–	–	–	–
73.0	50.0	–	–	–	1.9	–	–	–	–	–	–	–	–
73.0	51.0	–	–	–	2.9	–	–	–	–	–	–	–	–
73.0	53.0	2.9	–	–	0.0	–	–	–	–	–	–	–	–
73.0	60.0	2.8	–	–	0.0	–	–	–	–	–	–	–	–
77.0	50.0	–	–	–	6.9	–	–	–	–	–	–	–	–
82.0	47.0	0.0	–	–	5.7	–	–	0.0	–	–	0.0	–	–
83.0	39.0	–	–	–	0.0	–	–	1.1	–	–	0.0	–	–
83.0	43.0	0.0	–	–	35.8	–	–	0.0	–	–	0.0	–	–
83.0	60.0	2.4	–	–	3.2	–	–	0.0	–	–	0.0	–	–
87.0	34.0	–	–	–	6.9	–	–	0.0	–	–	0.0	–	–
87.0	35.0	–	0.0	–	3.1	–	–	0.0	–	–	0.0	–	–
87.0	40.0	–	9.4	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	45.0	–	18.3	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	40.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
100.0	30.0	–	0.0	–	–	12.1	–	0.0	–	–	0.0	–	–
103.0	40.0	–	0.0	–	3.3	–	–	0.0	–	–	0.0	–	–
107.0	32.0	–	0.0	–	2.8	–	–	0.0	–	–	0.0	–	–
117.0	24.8	–	–	–	1.2	–	–	0.0	–	–	0.0	–	–
118.0	39.0	–	0.0	–	9.1	–	–	0.0	–	–	0.0	–	–
120.0	35.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–

Microstomus pacificus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	0.0	–	–	9.7	–	–	–	–	–	–	–	–
60.0	70.0	0.0	–	–	5.3	–	–	–	–	–	–	–	–
60.0	90.0	0.0	–	–	4.6	–	–	–	–	–	–	–	–
60.0	100.0	0.0	–	–	3.0	–	–	–	–	–	–	–	–
63.0	60.0	0.0	–	–	13.8	–	–	–	–	–	–	–	–
67.0	47.3	–	–	–	0.3	–	–	–	–	–	–	–	–
67.0	50.0	0.0	–	–	10.2	–	–	–	–	–	–	–	–
67.0	55.0	0.0	–	–	7.8	–	–	–	–	–	–	–	–
67.0	60.0	0.0	–	–	8.0	–	–	–	–	–	–	–	–
70.0	70.0	0.0	–	–	5.4	–	–	–	–	–	–	–	–
90.0	53.0	–	0.0	–	–	3.0	–	0.0	–	–	0.0	–	–

Parophrys vetulus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	51.0	–	–	–	4.7	–	–	–	–	–	–	–	–
60.0	52.0	9.7	–	–	0.0	–	–	–	–	–	–	–	–
60.0	60.0	36.1	–	–	0.0	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Parophrys vetulus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	51.0	–	–	–	4.4	–	–	–	–	–	–	–	–
63.0	52.0	0.0	–	–	2.7	–	–	–	–	–	–	–	–
63.0	60.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
67.0	49.0	–	–	–	24.1	–	–	–	–	–	–	–	–
67.0	50.0	0.0	–	–	5.1	–	–	–	–	–	–	–	–
70.0	52.0	–	–	–	2.6	–	–	–	–	–	–	–	–
73.0	49.4	–	–	–	1.3	–	–	–	–	–	–	–	–
73.0	50.0	–	–	–	7.6	–	–	–	–	–	–	–	–
73.0	51.0	–	–	–	2.9	–	–	–	–	–	–	–	–
77.0	48.0	–	–	–	3.2	–	–	–	–	–	–	–	–
80.0	50.0	–	–	–	–	–	–	1.3	–	–	–	–	–
80.0	50.2	–	–	–	1.5	–	–	–	–	–	0.0	–	–
80.0	52.0	0.0	–	–	5.0	–	–	0.0	–	–	0.0	–	–
82.0	47.0	0.0	–	–	28.4	–	–	0.0	–	–	0.0	–	–
83.0	40.0	0.0	–	–	1.0	–	–	0.0	–	–	0.0	–	–
83.0	43.0	0.0	–	–	35.8	–	–	0.0	–	–	0.0	–	–
87.0	34.0	–	–	–	1.7	–	–	0.0	–	–	0.0	–	–
87.0	35.0	–	42.4	–	3.1	–	–	0.0	–	–	0.0	–	–
87.0	40.0	–	0.0	–	10.2	–	–	0.0	–	–	0.0	–	–
90.0	27.5	–	–	–	–	0.6	–	0.0	–	–	0.0	–	–
90.0	28.0	–	0.0	–	–	11.4	–	0.0	–	–	0.0	–	–
97.0	29.0	–	–	–	12.5	–	–	0.0	–	–	0.0	–	–
97.0	30.0	–	0.0	–	4.6	–	–	0.0	–	–	0.0	–	–
100.0	29.0	–	–	–	–	5.3	–	0.0	–	–	0.0	–	–
100.0	30.0	–	0.0	–	–	3.0	–	0.0	–	–	0.0	–	–
103.0	28.5	–	–	–	1.0	–	–	–	–	–	0.0	–	–
103.0	29.0	–	–	–	1.7	–	–	0.0	–	–	0.0	–	–
103.0	30.0	–	0.0	–	7.9	–	–	0.0	–	–	0.0	–	–
107.0	30.0	–	–	–	2.5	–	–	0.0	–	–	0.0	–	–
107.0	31.0	–	–	–	36.7	–	–	0.0	–	–	0.0	–	–
107.0	32.0	–	0.0	–	5.6	–	–	0.0	–	–	0.0	–	–
110.0	32.0	–	0.0	–	–	1.9	–	0.0	–	–	0.0	–	–
113.0	28.5	–	–	–	1.3	–	–	–	–	–	0.0	–	–
117.0	24.8	–	–	–	2.4	–	–	0.0	–	–	0.0	–	–
117.0	25.0	–	–	–	1.6	–	–	0.0	–	–	0.0	–	–
117.0	26.0	–	0.0	–	4.8	–	–	0.0	–	–	0.0	–	–
117.0	30.0	–	0.0	–	2.7	–	–	0.0	–	–	0.0	–	–

Pleuronichthys spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	50.0	–	–	–	–	–	–	1.3	–	–	–	–	–
82.0	47.0	0.0	–	–	0.0	–	–	0.0	–	–	4.8	–	–
83.0	39.0	–	–	–	0.0	–	–	0.0	–	–	0.2	–	–
83.0	43.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–

TABLE 4. (cont.)

Pleuronichthys spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	55.0	0.0	–	–	3.2	–	–	0.0	–	–	2.7	–	–
93.0	26.5	–	–	–	0.0	–	–	0.0	–	–	0.3	–	–
93.0	40.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
97.0	30.0	–	0.0	–	4.6	–	–	0.0	–	–	0.0	–	–
120.0	70.0	–	0.0	–	–	5.8	–	–	0.0	–	0.0	–	–

Pleuronichthys coenosus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	33.0	–	–	–	0.0	–	–	5.3	–	–	0.0	–	–
87.0	34.0	–	–	–	0.0	–	–	2.8	–	–	0.0	–	–
87.0	35.0	–	0.0	–	0.0	–	–	5.7	–	–	0.0	–	–
87.0	50.0	–	0.0	–	0.0	–	–	0.0	–	–	3.4	–	–
87.0	55.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
90.0	27.5	–	–	–	–	0.0	–	0.0	–	–	0.2	–	–

Pleuronichthys ritteri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	27.5	–	–	–	–	0.0	–	0.0	–	–	0.8	–	–
93.0	26.5	–	–	–	0.0	–	–	0.0	–	–	1.0	–	–
107.0	30.0	–	–	–	0.0	–	–	0.0	–	–	0.4	–	–
120.0	23.0	–	–	–	1.0	–	–	0.0	–	–	–	–	–
120.0	25.0	–	0.0	–	0.0	–	–	16.0	–	–	0.0	–	–
120.0	45.0	–	0.0	–	–	5.8	–	0.0	–	–	0.0	–	–
127.0	33.0	–	–	–	0.0	–	–	–	0.0	–	5.3	–	–
130.0	26.0	–	–	–	–	0.0	–	–	0.0	–	0.6	–	–
130.0	28.0	–	–	–	–	0.0	–	–	8.6	–	0.0	–	–
133.0	23.0	–	–	–	0.0	–	–	–	6.1	–	0.0	–	–
133.0	25.0	–	0.0	–	0.0	–	–	–	6.4	–	0.0	–	–

Pleuronichthys verticalis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	49.0	–	–	–	3.4	–	–	–	–	–	–	–	–
80.0	50.2	–	–	–	0.3	–	–	–	–	–	0.0	–	–
80.0	51.0	–	–	–	0.0	–	–	0.0	–	–	2.9	–	–
82.0	47.0	0.0	–	–	5.7	–	–	0.0	–	–	2.4	–	–
83.0	40.0	0.0	–	–	2.1	–	–	10.2	–	–	2.9	–	–
87.0	33.0	–	–	–	0.0	–	–	2.7	–	–	0.0	–	–
87.0	34.0	–	–	–	1.7	–	–	0.0	–	–	0.0	–	–
87.0	35.0	–	13.0	–	6.3	–	–	0.0	–	–	0.0	–	–
87.0	40.0	–	0.0	–	3.4	–	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Pleuronichthys verticalis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	27.5	–	–	–	–	0.0	–	4.9	–	–	0.0	–	–
90.0	28.0	–	0.0	–	–	0.0	–	11.7	–	–	0.0	–	–
90.0	53.0	–	0.0	–	–	3.0	–	0.0	–	–	0.0	–	–
93.0	26.5	–	–	–	0.0	–	–	0.0	–	–	0.1	–	–
96.8	28.7	–	–	–	3.3	–	–	–	–	–	–	–	–
97.0	28.7	–	–	–	–	–	–	0.0	–	–	4.7	–	–
97.0	29.0	–	–	–	15.6	–	–	0.0	–	–	29.9	–	–
97.0	30.0	–	0.0	–	0.0	–	–	2.7	–	–	0.0	–	–
97.0	32.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
100.0	29.0	–	–	–	–	10.6	–	0.0	–	–	0.0	–	–
103.0	28.7	–	–	–	–	–	–	2.3	–	–	–	–	–
103.0	29.0	–	–	–	0.0	–	–	0.8	–	–	1.1	–	–
103.0	30.0	–	0.0	–	5.9	–	–	0.0	–	–	1.6	–	–
107.0	30.0	–	–	–	4.2	–	–	0.0	–	–	0.0	–	–
107.0	31.0	–	–	–	34.1	–	–	0.0	–	–	0.0	–	–
110.0	32.0	–	0.0	–	–	1.9	–	0.0	–	–	0.0	–	–
113.0	28.5	–	–	–	0.0	–	–	–	–	–	0.3	–	–
113.0	29.0	–	–	–	0.0	–	–	4.1	–	–	0.0	–	–
113.0	30.0	–	0.0	–	0.0	–	–	5.2	–	–	0.0	–	–
115.0	35.0	–	0.0	–	–	2.9	–	–	–	–	–	–	–
117.0	24.8	–	–	–	2.4	–	–	18.1	–	–	0.3	–	–
117.0	25.0	–	–	–	1.6	–	–	25.4	–	–	3.5	–	–
117.0	50.0	–	3.4	–	0.0	–	–	0.0	–	–	0.0	–	–
118.0	39.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
119.0	33.0	–	0.0	–	–	7.2	–	0.0	–	–	0.0	–	–
120.0	22.3	–	–	–	–	–	–	2.4	–	–	–	–	–
120.0	22.8	–	–	–	–	–	–	–	–	–	0.6	–	–
120.0	23.0	–	–	–	0.0	–	–	2.1	–	–	–	–	–
120.0	24.0	–	–	–	1.8	–	–	35.4	–	–	0.0	–	–
120.0	25.0	–	0.0	–	0.0	–	–	6.4	–	–	0.0	–	–
120.0	30.0	–	0.0	–	2.1	–	–	2.5	–	–	0.0	–	–
120.0	50.0	–	0.0	–	–	0.0	–	6.8	–	–	0.0	–	–
130.0	28.0	–	–	–	–	0.0	–	–	0.0	–	1.1	–	–
133.0	21.0	–	–	–	0.0	–	–	–	25.3	–	0.0	–	–

Psettichthys melanostictus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	51.0	–	–	–	4.7	–	–	–	–	–	–	–	–
63.0	50.0	–	–	–	0.6	–	–	–	–	–	–	–	–
77.0	47.6	–	–	–	4.7	–	–	–	–	–	–	–	–
77.0	48.0	–	–	–	3.2	–	–	–	–	–	–	–	–
80.0	50.2	–	–	–	0.8	–	–	–	–	–	0.0	–	–

TABLE 4. (cont.)

Symphurus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	–	–	–	0.0	–	–	0.0	–	–	4.3	–	–
83.0	40.0	0.0	–	–	0.0	–	–	0.0	–	–	5.8	–	–
83.0	43.0	0.0	–	–	0.0	–	–	0.0	–	–	2.7	–	–
87.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	13.7	–	–
90.0	28.0	–	0.0	–	–	0.0	–	0.0	–	–	2.9	–	–
93.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	2.5	–	–
97.0	32.0	–	0.0	–	0.0	–	–	0.0	–	–	5.4	–	–
100.0	55.0	–	0.0	–	–	0.0	–	0.0	–	–	2.8	–	–
103.0	55.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
107.0	32.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
107.0	35.0	–	0.0	–	0.0	–	–	0.0	–	–	8.8	–	–
110.0	35.0	–	0.0	–	–	0.0	–	0.0	–	–	2.7	–	–
117.0	24.8	–	–	–	0.0	–	–	6.6	–	–	0.0	–	–
117.0	25.0	–	–	–	0.0	–	–	2.0	–	–	0.0	–	–
117.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
117.0	45.0	–	2.9	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	50.0	–	0.0	–	0.0	–	–	0.0	–	–	3.0	–	–
117.0	60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
118.0	39.0	–	0.0	–	0.0	–	–	0.0	–	–	2.9	–	–
119.0	33.0	–	0.0	–	–	0.0	–	0.0	–	–	5.1	–	–
120.0	22.3	–	–	–	–	–	–	2.4	–	–	–	–	–
120.0	23.0	–	–	–	0.0	–	–	20.7	–	–	–	–	–
120.0	24.0	–	–	–	0.0	–	–	29.9	–	–	0.0	–	–
120.0	25.0	–	0.0	–	0.0	–	–	32.0	–	–	13.9	–	–
120.0	30.0	–	0.0	–	0.0	–	–	0.0	–	–	4.9	–	–
120.0	35.0	–	0.0	–	–	0.0	–	4.7	–	–	14.3	–	–
120.0	40.0	–	0.0	–	–	0.0	–	6.4	–	–	13.0	–	–
120.0	45.0	–	0.0	–	–	0.0	–	6.1	–	–	5.7	–	–
120.0	50.0	–	0.0	–	–	0.0	–	13.7	–	–	2.6	–	–
120.0	70.0	–	0.0	–	–	0.0	–	–	0.0	–	8.0	–	–
123.0	35.6	–	–	–	–	–	–	–	–	–	0.2	–	–
123.0	36.0	–	–	–	0.0	–	–	–	0.0	–	2.1	–	–
123.0	37.0	–	0.0	–	0.0	–	–	–	0.0	–	2.4	–	–
123.0	45.0	–	0.0	–	0.0	–	–	–	0.0	–	2.6	–	–
127.0	33.0	–	–	–	0.0	–	–	–	0.0	–	9.3	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	29.7	–	–
127.0	40.0	–	0.0	–	0.0	0.0	–	–	0.0	–	2.7	–	–
127.0	60.0	–	0.0	–	0.0	–	–	–	0.0	–	2.6	–	–
127.0	65.0	–	0.0	–	0.0	–	–	–	0.0	–	2.8	–	–
130.0	25.5	–	–	–	–	0.0	–	–	0.0	–	1.2	–	–
130.0	26.0	–	–	–	–	0.0	–	–	3.4	–	17.4	–	–
130.0	28.0	–	–	–	–	0.0	–	–	279.3	–	14.8	–	–
130.0	30.0	–	0.0	–	–	0.0	–	–	182.5	–	12.4	–	–
130.0	35.0	–	3.1	–	–	0.0	–	–	0.0	–	97.0	–	–
130.0	40.0	–	0.0	–	–	0.0	–	–	0.0	–	8.2	–	–
130.0	45.0	–	0.0	–	–	0.0	–	–	0.0	–	2.8	–	–

TABLE 4. (cont.)

Symphurus spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0 60.0	-	0.0	-	-	0.0	-	-	0.0	-	2.8	-	-
133.0 21.0	-	-	-	0.0	-	-	-	0.0	-	2.6	-	-
133.0 23.0	-	-	-	0.0	-	-	-	73.7	-	12.7	-	-
133.0 25.0	-	0.0	-	0.0	-	-	-	748.8	-	12.9	-	-
133.0 30.0	-	0.0	-	0.0	-	-	-	99.6	-	2.8	-	-
133.0 35.0	-	0.0	-	0.0	-	-	-	79.2	-	8.4	-	-
133.0 40.0	-	0.0	-	0.0	-	-	-	22.0	-	8.1	-	-
133.0 45.0	-	0.0	-	0.0	-	-	-	6.1	-	0.0	-	-
133.0 50.0	-	0.0	-	0.0	-	-	-	0.0	-	2.8	-	-
137.0 21.0	-	-	-	-	0.0	-	-	-	-	1.7	-	-
137.0 22.0	-	-	-	-	0.0	-	-	-	-	4.3	-	-
137.0 23.0	-	0.0	-	-	0.0	-	-	-	-	14.3	-	-
137.0 35.0	-	0.0	-	-	0.0	-	-	-	-	8.2	-	-

Disintegrated fish larva

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 60.0	39.1	-	-	4.8	-	-	-	-	-	-	-	-
60.0 70.0	26.9	-	-	0.0	-	-	-	-	-	-	-	-
60.0 140.0	0.0	-	-	8.2	-	-	-	-	-	-	-	-
60.0 180.0	0.0	-	-	22.4	-	-	-	-	-	-	-	-
60.0 200.0	8.2	-	-	0.0	-	-	-	-	-	-	-	-
63.0 49.7	-	-	-	0.3	-	-	-	-	-	-	-	-
63.0 50.0	-	-	-	0.6	-	-	-	-	-	-	-	-
63.0 51.0	-	-	-	2.2	-	-	-	-	-	-	-	-
63.0 55.0	5.0	-	-	0.0	-	-	-	-	-	-	-	-
67.0 55.0	3.0	-	-	0.0	-	-	-	-	-	-	-	-
67.0 60.0	56.9	-	-	0.0	-	-	-	-	-	-	-	-
70.0 50.0	-	-	-	8.1	-	-	-	-	-	-	-	-
70.0 52.0	-	-	-	23.6	-	-	-	-	-	-	-	-
70.0 53.0	2.4	-	-	2.8	-	-	-	-	-	-	-	-
70.0 70.0	6.1	-	-	0.0	-	-	-	-	-	-	-	-
70.0 80.0	14.8	-	-	0.0	-	-	-	-	-	-	-	-
70.0 90.0	0.0	-	-	2.4	-	-	-	-	-	-	-	-
70.0 200.0	2.8	-	-	5.3	-	-	-	-	-	-	-	-
73.0 60.0	5.7	-	-	0.0	-	-	-	-	-	-	-	-
77.0 47.6	-	-	-	2.3	-	-	-	-	-	-	-	-
77.0 49.0	-	-	-	3.2	-	-	-	-	-	-	-	-
77.0 50.0	-	-	-	6.9	-	-	-	-	-	-	-	-
80.0 65.0	31.4	-	-	3.3	-	-	0.0	-	-	0.0	-	-
80.0 110.0	5.7	-	-	-	-	-	-	-	-	-	-	-
82.0 47.0	8.8	-	-	0.0	-	-	0.0	-	-	2.4	-	-
83.0 43.0	9.0	-	-	0.0	-	-	0.0	-	-	2.7	-	-
83.0 51.0	2.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
83.0 55.0	5.9	-	-	0.0	-	-	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	65.0	0.0	–	–	3.1	–	–	0.0	–	–	0.0	–	–
83.0	70.0	3.3	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0	75.0	6.4	–	–	–	–	–	–	–	–	–	–	–
83.0	80.0	0.0	–	–	0.0	–	–	0.0	–	–	5.2	–	–
83.0	85.0	6.5	–	–	–	–	–	–	–	–	–	–	–
83.0	90.0	3.5	–	–	0.0	–	–	0.0	–	–	0.0	–	–
83.0	100.0	–	3.1	–	–	–	–	–	–	–	–	–	–
83.0	120.0	–	6.3	–	–	–	–	–	–	–	–	–	–
87.0	32.5	–	–	–	1.2	–	–	0.0	–	–	0.0	–	–
87.0	33.0	–	–	–	2.3	–	–	0.0	–	–	0.0	–	–
87.0	34.0	–	–	–	1.7	–	–	0.0	–	–	0.0	–	–
87.0	35.0	–	9.8	–	0.0	–	–	0.0	–	–	8.2	–	–
87.0	45.0	–	6.1	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	50.0	–	2.9	–	0.0	–	–	0.0	–	–	3.4	–	–
87.0	55.0	–	0.0	–	0.0	–	–	2.9	–	–	0.0	–	–
87.0	60.0	–	0.0	–	0.0	–	–	2.7	–	–	0.0	–	–
87.0	65.0	–	9.9	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0	70.0	–	0.0	–	0.0	–	–	0.0	–	–	5.3	–	–
87.0	80.0	–	0.0	–	3.1	–	–	0.0	–	–	0.0	–	–
87.0	95.0	–	3.0	–	–	–	–	–	–	–	–	–	–
87.0	100.0	–	3.3	–	–	–	–	–	–	–	–	–	–
90.0	27.5	–	–	–	–	0.0	–	0.0	–	–	0.2	–	–
90.0	28.0	–	8.1	–	–	0.0	–	0.0	–	–	2.9	–	–
90.0	32.0	–	0.0	–	–	0.0	–	0.0	–	–	3.0	–	–
90.0	37.0	–	2.8	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	45.0	–	44.1	–	–	8.9	–	0.0	–	–	5.6	–	–
90.0	53.0	–	0.0	–	–	3.0	–	0.0	–	–	0.0	–	–
90.0	60.0	–	3.1	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0	80.0	0.0	–	–	–	4.5	–	0.0	–	–	0.0	–	–
90.0	100.0	5.9	–	–	0.0	–	–	–	–	–	–	–	–
90.0	120.0	0.0	–	–	14.1	–	–	–	–	–	–	–	–
90.0	140.0	0.0	–	–	5.7	–	–	–	–	–	–	–	–
90.0	160.0	19.0	–	–	0.0	–	–	–	–	–	–	–	–
90.0	180.0	0.0	–	–	13.8	–	–	–	–	–	–	–	–
90.0	200.0	8.0	–	–	0.0	–	–	–	–	–	–	–	–
93.0	26.5	–	–	–	0.0	–	–	2.4	–	–	0.0	–	–
93.0	27.0	–	–	–	0.0	–	–	0.0	–	–	1.3	–	–
93.0	28.0	–	3.0	–	20.5	–	–	0.0	–	–	3.5	–	–
93.0	30.0	–	2.9	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	35.0	–	3.2	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	40.0	–	9.3	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	45.0	–	3.1	–	4.4	–	–	0.0	–	–	2.6	–	–
93.0	50.0	–	0.0	–	8.6	–	–	0.0	–	–	0.0	–	–
93.0	70.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	80.0	–	6.4	–	0.0	–	–	0.0	–	–	0.0	–	–
93.0	90.0	–	0.0	–	5.8	–	–	–	–	–	0.0	–	–

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0 120.0	–	6.1	–	–	–	–	–	–	–	–	–	–
97.0 30.0	–	0.0	–	6.9	–	–	0.0	–	–	0.0	–	–
97.0 32.0	–	0.0	–	0.0	–	–	0.0	–	–	10.8	–	–
97.0 35.0	–	3.3	–	0.0	–	–	0.0	–	–	2.8	–	–
97.0 40.0	–	0.0	–	26.2	–	–	6.2	–	–	0.0	–	–
97.0 45.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
97.0 50.0	–	0.0	–	0.0	–	–	4.2	–	–	0.0	–	–
97.0 55.0	–	6.7	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	5.7	–	–
97.0 65.0	–	0.0	–	0.0	–	–	0.0	–	–	6.1	–	–
97.0 80.0	–	0.0	–	0.0	–	–	2.9	–	–	9.4	–	–
97.0 90.0	–	0.0	–	5.8	–	–	–	–	–	0.0	–	–
97.0 100.0	–	2.9	–	–	–	–	–	–	–	–	–	–
97.0 110.0	–	3.0	–	–	–	–	–	–	–	–	–	–
100.0 29.0	–	–	–	–	1.8	–	5.0	–	–	0.0	–	–
100.0 40.0	–	3.0	–	–	0.0	–	3.1	–	–	0.0	–	–
100.0 60.0	–	0.0	–	–	14.1	–	0.0	–	–	2.7	–	–
100.0 65.0	–	8.9	–	–	2.8	–	0.0	–	–	0.0	–	–
100.0 70.0	–	0.0	–	–	0.0	–	0.0	–	–	8.1	–	–
100.0 80.0	–	27.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0 90.0	–	0.0	–	–	0.0	–	11.7	–	–	0.0	–	–
103.0 28.5	–	–	–	0.0	–	–	–	–	–	0.3	–	–
103.0 29.0	–	–	–	1.7	–	–	0.0	–	–	0.4	–	–
103.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
103.0 55.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
103.0 60.0	–	0.0	–	5.7	–	–	3.0	–	–	0.0	–	–
103.0 65.0	–	0.0	–	0.0	–	–	0.0	–	–	27.3	–	–
103.0 80.0	–	6.0	–	0.0	–	–	5.8	–	–	0.0	–	–
103.0 90.0	–	6.2	–	0.0	–	–	3.2	–	–	0.0	–	–
107.0 30.0	–	–	–	0.8	–	–	0.0	–	–	0.0	–	–
107.0 31.0	–	–	–	5.2	–	–	0.0	–	–	0.8	–	–
107.0 32.0	–	0.0	–	2.8	–	–	0.0	–	–	2.9	–	–
107.0 35.0	–	0.0	–	0.0	–	–	0.0	–	–	5.9	–	–
107.0 45.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
107.0 55.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0 60.0	–	3.2	–	0.0	–	–	22.0	–	–	2.7	–	–
107.0 70.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
107.0 80.0	–	3.2	–	0.0	–	–	3.0	–	–	15.8	–	–
107.0 90.0	–	0.0	–	0.0	–	–	0.0	–	–	5.6	–	–
110.0 32.0	–	0.0	–	–	0.0	–	0.0	–	–	1.4	–	–
110.0 45.0	–	0.0	–	–	2.8	–	0.0	–	–	0.0	–	–
110.0 50.0	–	0.0	–	–	2.9	–	0.0	–	–	0.0	–	–
110.0 55.0	–	0.0	–	–	0.0	–	0.0	–	–	2.9	–	–
110.0 60.0	–	0.0	–	–	2.8	–	0.0	–	–	2.7	–	–
110.0 80.0	–	0.0	–	–	0.0	–	3.2	–	–	0.0	–	–
110.0 90.0	–	0.0	–	–	13.0	–	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	30.0	-	3.9	-	0.0	-	-	2.6	-	-	0.0	-	-
113.0	40.0	-	37.2	-	0.0	-	-	0.0	-	-	5.6	-	-
113.0	50.0	-	0.0	-	3.0	-	-	0.0	-	-	0.0	-	-
113.0	55.0	-	3.2	-	0.0	-	-	0.0	-	-	0.0	-	-
113.0	60.0	-	0.0	-	0.0	-	-	0.0	-	-	5.3	-	-
113.0	65.0	-	0.0	-	0.0	-	-	5.9	-	-	18.6	-	-
113.0	80.0	-	0.0	-	0.0	-	-	0.0	-	-	8.0	-	-
113.0	90.0	-	0.0	-	0.0	-	-	3.1	-	-	-	-	-
115.0	35.0	-	2.9	-	-	0.0	-	-	-	-	-	-	-
117.0	24.8	-	-	-	1.2	-	-	4.9	-	-	0.0	-	-
117.0	25.0	-	-	-	3.2	-	-	0.0	-	-	0.0	-	-
117.0	30.0	-	6.0	-	0.0	-	-	0.0	-	-	2.9	-	-
117.0	40.0	-	6.0	-	0.0	-	-	0.0	-	-	11.3	-	-
117.0	45.0	-	2.9	-	0.0	-	-	0.0	-	-	0.0	-	-
117.0	55.0	-	0.0	-	0.0	-	-	0.0	-	-	17.2	-	-
117.0	65.0	-	0.0	-	9.1	-	-	5.9	-	-	2.8	-	-
117.0	70.0	-	0.0	-	0.0	-	-	12.2	-	-	5.6	-	-
117.0	80.0	-	0.0	-	2.9	-	-	0.0	-	-	0.0	-	-
117.0	90.0	-	0.0	-	0.0	-	-	11.8	-	-	-	-	-
118.0	39.0	-	0.0	-	0.0	-	-	0.0	-	-	8.6	-	-
119.0	33.0	-	2.5	-	-	0.0	-	8.1	-	-	0.0	-	-
120.0	24.0	-	-	-	5.3	-	-	0.0	-	-	2.3	-	-
120.0	25.0	-	0.0	-	0.0	-	-	0.0	-	-	29.7	-	-
120.0	30.0	-	0.0	-	2.1	-	-	10.0	-	-	4.9	-	-
120.0	35.0	-	10.8	-	-	0.0	-	0.0	-	-	7.2	-	-
120.0	40.0	-	0.0	-	-	0.0	-	0.0	-	-	2.2	-	-
120.0	45.0	-	20.6	-	-	8.7	-	6.1	-	-	5.7	-	-
120.0	50.0	-	0.0	-	-	2.8	-	0.0	-	-	0.0	-	-
120.0	55.0	-	0.0	-	-	2.7	-	0.0	-	-	0.0	-	-
120.0	60.0	-	0.0	-	-	0.0	-	23.7	-	-	0.0	-	-
120.0	65.0	-	0.0	-	-	0.0	-	9.9	-	-	0.0	-	-
120.0	70.0	-	0.0	-	-	0.0	-	-	3.0	-	2.7	-	-
120.0	80.0	-	0.0	-	-	0.0	-	-	6.0	-	-	-	-
123.0	35.6	-	-	-	-	-	-	-	-	-	0.7	-	-
123.0	36.0	-	-	-	0.0	-	-	-	0.0	-	0.7	-	-
123.0	37.0	-	0.0	-	0.0	-	-	-	2.7	-	0.0	-	-
123.0	42.0	-	0.0	-	0.0	0.0	-	-	31.8	-	0.0	-	-
123.0	45.0	-	0.0	-	0.0	-	-	-	0.0	-	5.2	-	-
123.0	50.0	-	0.0	-	0.0	-	-	-	10.3	-	0.0	-	-
123.0	55.0	-	0.0	-	0.0	-	-	-	15.0	-	0.0	-	-
123.0	60.0	-	0.0	-	0.0	-	-	-	5.7	-	0.0	-	-
123.0	65.0	-	0.0	-	3.0	-	-	-	95.0	-	0.0	-	-
123.0	70.0	-	0.0	-	0.0	-	-	-	5.4	-	0.0	-	-
123.0	80.0	-	0.0	-	0.0	-	-	-	11.6	-	-	-	-
123.5	35.6	-	-	-	3.2	-	-	-	-	-	-	-	-
127.0	33.0	-	-	-	0.0	-	-	-	0.0	-	17.3	-	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	34.0	-	5.6	-	0.0	-	-	-	0.0	-	8.1	-	-
127.0	40.0	-	3.0	-	0.0	0.0	-	-	0.0	-	0.0	-	-
127.0	45.0	-	3.0	-	0.0	-	-	-	0.0	-	0.0	-	-
127.0	50.0	-	0.0	-	3.0	-	-	-	0.0	-	0.0	-	-
127.0	55.0	-	0.0	-	3.1	-	-	-	39.3	-	0.0	-	-
127.0	65.0	-	18.1	-	2.9	-	-	-	0.0	-	0.0	-	-
127.0	70.0	-	0.0	-	0.0	-	-	-	2.9	-	3.0	-	-
127.0	80.0	-	0.0	-	0.0	-	-	-	3.0	-	-	-	-
130.0	25.5	-	-	-	-	0.0	-	-	0.0	-	0.9	-	-
130.0	26.0	-	-	-	-	0.0	-	-	0.0	-	2.4	-	-
130.0	28.0	-	-	-	-	0.0	-	-	45.6	-	0.0	-	-
130.0	30.0	-	267.5	-	-	0.0	-	-	63.2	-	0.0	-	-
130.0	35.0	-	0.0	-	-	0.0	-	-	3.3	-	2.9	-	-
130.0	40.0	-	6.8	-	-	0.0	-	-	3.2	-	0.0	-	-
130.0	45.0	-	0.0	-	-	2.8	-	-	3.4	-	8.4	-	-
130.0	50.0	-	0.0	-	-	2.7	-	-	0.0	-	0.0	-	-
130.0	55.0	-	0.0	-	-	0.0	-	-	3.2	-	0.0	-	-
130.0	65.0	-	-	-	-	-	-	-	0.0	-	2.8	-	-
130.0	70.0	-	3.4	-	-	0.0	-	-	8.6	-	0.0	-	-
130.0	80.0	-	0.0	-	-	0.0	-	-	3.0	-	-	-	-
130.0	90.0	-	0.0	-	-	5.8	-	-	-	-	-	-	-
130.0	120.0	-	3.3	-	-	0.0	-	-	-	-	-	-	-
133.0	21.0	-	-	-	0.0	-	-	-	75.8	-	0.0	-	-
133.0	23.0	-	-	-	0.0	-	-	-	0.0	-	5.6	-	-
133.0	25.0	-	0.0	-	0.0	-	-	-	0.0	-	10.3	-	-
133.0	30.0	-	3.2	-	0.0	-	-	-	0.0	-	5.6	-	-
133.0	35.0	-	3.0	-	0.0	-	-	-	0.0	-	8.4	-	-
133.0	40.0	-	3.0	-	0.0	-	-	-	3.1	-	0.0	-	-
133.0	45.0	-	5.6	-	0.0	-	-	-	33.4	-	0.0	-	-
133.0	50.0	-	0.0	-	0.0	-	-	-	17.5	-	0.0	-	-
133.0	55.0	-	0.0	-	0.0	-	-	-	20.6	-	0.0	-	-
133.0	60.0	-	0.0	-	3.1	-	-	-	50.0	-	0.0	-	-
133.0	65.0	-	0.0	-	-	0.0	-	-	5.2	-	-	-	-
133.0	80.0	-	0.0	-	-	3.1	-	-	0.0	-	-	-	-
137.0	21.0	-	-	-	-	0.3	-	-	-	-	0.0	-	-
137.0	22.0	-	-	-	-	0.0	-	-	-	-	7.5	-	-
137.0	50.0	-	13.9	-	-	0.0	-	-	0.0	-	0.0	-	-
137.0	60.0	-	0.0	-	-	0.0	-	-	61.1	-	0.0	-	-
137.0	65.0	-	-	-	-	-	-	-	9.1	-	-	-	-
137.0	70.0	-	0.0	-	-	0.0	-	-	5.6	-	-	-	-
140.0	50.0	-	6.6	-	-	0.0	-	-	-	-	-	-	-

TABLE 4. (cont.)

Unidentified fish larva

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 50.0	–	–	–	3.0	–	–	–	–	–	–	–	–
60.0 52.0	7.3	–	–	2.4	–	–	–	–	–	–	–	–
60.0 80.0	131.0	–	–	0.0	–	–	–	–	–	–	–	–
60.0 90.0	0.0	–	–	2.3	–	–	–	–	–	–	–	–
60.0 160.0	0.0	–	–	2.9	–	–	–	–	–	–	–	–
60.0 180.0	0.0	–	–	11.2	–	–	–	–	–	–	–	–
60.0 200.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
63.0 52.0	16.4	–	–	0.0	–	–	–	–	–	–	–	–
67.0 47.3	–	–	–	0.6	–	–	–	–	–	–	–	–
67.0 49.0	–	–	–	3.4	–	–	–	–	–	–	–	–
70.0 53.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
70.0 80.0	0.0	–	–	6.0	–	–	–	–	–	–	–	–
70.0 200.0	11.4	–	–	2.7	–	–	–	–	–	–	–	–
77.0 57.0	0.0	–	–	2.8	–	–	–	–	–	–	–	–
80.0 65.0	5.2	–	–	0.0	–	–	0.0	–	–	0.0	–	–
80.0 80.0	0.0	–	–	0.0	–	–	0.0	–	–	2.8	–	–
80.0 200.0	2.8	–	–	0.0	–	–	–	–	–	–	–	–
82.0 47.0	0.0	–	–	0.0	–	–	6.4	–	–	0.0	–	–
83.0 39.0	–	–	–	0.0	–	–	0.0	–	–	3.7	–	–
83.0 40.0	1.9	–	–	0.0	–	–	11.3	–	–	7.2	–	–
83.0 43.0	0.0	–	–	7.2	–	–	24.9	–	–	0.0	–	–
87.0 32.5	–	–	–	0.0	–	–	0.0	–	–	1.0	–	–
87.0 33.0	–	–	–	0.0	–	–	53.4	–	–	0.6	–	–
87.0 34.0	–	–	–	1.7	–	–	46.9	–	–	0.0	–	–
87.0 35.0	–	3.3	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 50.0	–	0.0	–	0.0	–	–	0.0	–	–	6.9	–	–
87.0 60.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
87.0 65.0	–	6.6	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 80.0	–	6.6	–	0.0	–	–	0.0	–	–	0.0	–	–
87.0 85.0	–	3.4	–	–	–	–	–	–	–	–	–	–
87.0 90.0	–	20.0	–	0.0	–	–	0.0	–	–	0.0	–	–
90.0 27.5	–	–	–	–	0.0	–	4.9	–	–	0.2	–	–
90.0 28.0	–	0.0	–	–	0.0	–	2.9	–	–	2.9	–	–
90.0 32.0	–	0.0	–	–	0.0	–	2.6	–	–	0.0	–	–
90.0 37.0	–	67.2	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0 60.0	–	0.0	–	–	3.1	–	6.1	–	–	0.0	–	–
90.0 65.0	2.5	–	–	–	0.0	–	0.0	–	–	0.0	–	–
90.0 70.0	0.0	–	–	–	2.6	–	3.0	–	–	0.0	–	–
90.0 100.0	0.0	–	–	5.9	–	–	–	–	–	–	–	–
90.0 130.0	5.8	–	–	–	–	–	–	–	–	–	–	–
90.0 140.0	2.6	–	–	0.0	–	–	–	–	–	–	–	–
90.0 160.0	2.7	–	–	2.8	–	–	–	–	–	–	–	–
90.0 180.0	2.7	–	–	2.8	–	–	–	–	–	–	–	–
90.0 200.0	2.7	–	–	0.0	–	–	–	–	–	–	–	–
93.0 26.5	–	–	–	0.0	–	–	2.4	–	–	1.3	–	–
93.0 27.0	–	–	–	4.0	–	–	5.1	–	–	0.0	–	–

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	40.0	–	0.0	–	5.9	–	–	0.0	–	–	0.0	–	–
93.0	50.0	–	0.0	–	2.9	–	–	0.0	–	–	0.0	–	–
93.0	65.0	–	0.0	–	0.0	–	–	3.1	–	–	0.0	–	–
93.0	80.0	–	0.0	–	0.0	–	–	2.7	–	–	0.0	–	–
93.0	90.0	–	0.0	–	0.0	–	–	–	–	–	2.5	–	–
96.8	28.7	–	–	–	0.7	–	–	–	–	–	–	–	–
97.0	28.7	–	–	–	–	–	–	0.0	–	–	0.5	–	–
97.0	29.0	–	–	–	0.0	–	–	0.0	–	–	1.9	–	–
97.0	30.0	–	63.2	–	2.3	–	–	0.0	–	–	0.0	–	–
97.0	32.0	–	13.0	–	0.0	–	–	0.0	–	–	2.7	–	–
97.0	40.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
97.0	55.0	–	3.3	–	0.0	–	–	3.1	–	–	0.0	–	–
97.0	65.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
97.0	70.0	–	0.0	–	0.0	–	–	5.9	–	–	0.0	–	–
97.0	80.0	–	0.0	–	0.0	–	–	0.0	–	–	4.7	–	–
97.0	90.0	–	0.0	–	0.0	–	–	–	–	–	2.8	–	–
97.0	120.0	–	2.7	–	–	–	–	–	–	–	–	–	–
100.0	35.0	–	0.0	–	–	0.0	–	2.8	–	–	0.0	–	–
100.0	90.0	–	3.0	–	–	0.0	–	0.0	–	–	0.0	–	–
100.0	120.0	–	0.0	–	–	2.4	–	–	–	–	–	–	–
103.0	28.5	–	–	–	0.0	–	–	–	–	–	0.3	–	–
103.0	28.7	–	–	–	–	–	–	7.0	–	–	–	–	–
103.0	29.0	–	–	–	0.0	–	–	4.9	–	–	0.0	–	–
103.0	30.0	–	3.0	–	0.0	–	–	3.0	–	–	0.0	–	–
103.0	35.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
103.0	55.0	–	0.0	–	0.0	–	–	6.1	–	–	0.0	–	–
103.0	65.0	–	0.0	–	2.7	–	–	0.0	–	–	0.0	–	–
103.0	70.0	–	6.1	–	0.0	–	–	0.0	–	–	0.0	–	–
103.0	80.0	–	6.0	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	30.0	–	–	–	3.3	–	–	2.7	–	–	0.0	–	–
107.0	31.0	–	–	–	13.1	–	–	24.6	–	–	2.4	–	–
107.0	32.0	–	5.4	–	0.0	–	–	30.8	–	–	0.0	–	–
107.0	35.0	–	13.4	–	0.0	–	–	40.6	–	–	0.0	–	–
107.0	70.0	–	3.1	–	0.0	–	–	0.0	–	–	0.0	–	–
107.0	90.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
110.0	32.0	–	0.0	–	–	0.0	–	1.6	–	–	1.4	–	–
110.0	35.0	–	0.0	–	–	0.0	–	177.1	–	–	0.0	–	–
110.0	55.0	–	0.0	–	–	5.5	–	0.0	–	–	0.0	–	–
110.0	80.0	–	0.0	–	–	0.0	–	6.4	–	–	0.0	–	–
110.0	90.0	–	8.7	–	–	0.0	–	0.0	–	–	0.0	–	–
110.0	120.0	–	0.0	–	–	4.7	–	–	–	–	–	–	–
113.0	28.5	–	–	–	1.3	–	–	–	–	–	0.0	–	–
113.0	29.0	–	–	–	0.0	–	–	5.5	–	–	0.4	–	–
113.0	30.0	–	9.7	–	0.0	–	–	0.0	–	–	0.0	–	–
113.0	35.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
113.0	40.0	–	0.0	–	0.0	–	–	0.0	–	–	5.6	–	–

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	45.0	–	0.0	–	0.0	–	–	3.0	–	–	3.0	–	–
113.0	50.0	–	0.0	–	0.0	–	–	0.0	–	–	2.6	–	–
113.0	55.0	–	0.0	–	0.0	–	–	0.0	–	–	2.7	–	–
113.0	60.0	–	0.0	–	0.0	–	–	3.0	–	–	2.7	–	–
113.0	65.0	–	0.0	–	0.0	–	–	3.0	–	–	0.0	–	–
113.0	70.0	–	2.7	–	0.0	–	–	2.9	–	–	0.0	–	–
117.0	24.8	–	–	–	2.4	–	–	0.0	–	–	0.0	–	–
117.0	25.0	–	–	–	0.0	–	–	0.0	–	–	0.9	–	–
117.0	26.0	–	0.0	–	2.4	–	–	0.0	–	–	0.0	–	–
117.0	30.0	–	3.0	–	0.0	–	–	0.0	–	–	0.0	–	–
117.0	35.0	–	0.0	–	3.0	–	–	0.0	–	–	2.9	–	–
117.0	40.0	–	0.0	–	0.0	–	–	0.0	–	–	2.8	–	–
117.0	45.0	–	2.9	–	0.0	–	–	3.0	–	–	0.0	–	–
117.0	50.0	–	3.4	–	0.0	–	–	2.8	–	–	0.0	–	–
117.0	55.0	–	0.0	–	0.0	–	–	5.7	–	–	0.0	–	–
117.0	60.0	–	2.8	–	0.0	–	–	5.5	–	–	0.0	–	–
117.0	65.0	–	0.0	–	3.0	–	–	0.0	–	–	0.0	–	–
117.0	70.0	–	3.2	–	0.0	–	–	3.0	–	–	0.0	–	–
117.0	80.0	–	3.2	–	2.9	–	–	15.5	–	–	0.0	–	–
117.0	90.0	–	0.0	–	0.0	–	–	14.8	–	–	–	–	–
118.0	39.0	–	0.0	–	3.0	–	–	2.9	–	–	2.9	–	–
119.0	33.0	–	0.0	–	–	14.3	–	0.0	–	–	0.0	–	–
120.0	22.3	–	–	–	–	–	–	35.4	–	–	–	–	–
120.0	22.8	–	–	–	–	–	–	–	–	–	2.2	–	–
120.0	23.0	–	–	–	1.0	–	–	20.7	–	–	–	–	–
120.0	24.0	–	–	–	3.5	–	–	78.9	–	–	0.5	–	–
120.0	25.0	–	5.1	–	10.2	–	–	227.2	–	–	0.0	–	–
120.0	30.0	–	0.0	–	2.1	–	–	37.5	–	–	29.2	–	–
120.0	35.0	–	21.5	–	–	2.8	–	51.5	–	–	4.8	–	–
120.0	40.0	–	2.5	–	–	0.0	–	21.2	–	–	4.3	–	–
120.0	45.0	–	0.0	–	–	0.0	–	3.0	–	–	0.0	–	–
120.0	50.0	–	0.0	–	–	0.0	–	17.1	–	–	0.0	–	–
120.0	55.0	–	0.0	–	–	0.0	–	106.0	–	–	0.0	–	–
120.0	70.0	–	3.2	–	–	0.0	–	–	3.0	–	0.0	–	–
120.0	80.0	–	0.0	–	–	0.0	–	–	9.0	–	–	–	–
120.0	90.0	–	3.3	–	–	2.9	–	–	–	–	–	–	–
123.0	35.6	–	–	–	–	–	–	–	–	–	0.7	–	–
123.0	37.0	–	0.0	–	0.0	–	–	–	0.0	–	2.4	–	–
123.0	42.0	–	0.0	–	0.0	2.2	–	–	0.0	–	0.0	–	–
123.0	50.0	–	0.0	–	2.8	–	–	–	0.0	–	2.6	–	–
123.0	55.0	–	3.2	–	0.0	–	–	–	3.0	–	0.0	–	–
123.0	60.0	–	0.0	–	0.0	–	–	–	5.7	–	2.7	–	–
123.0	80.0	–	0.0	–	0.0	–	–	–	5.8	–	–	–	–
127.0	32.6	–	–	–	1.3	–	–	–	–	–	0.6	–	–
127.0	33.0	–	–	–	0.0	–	–	–	0.0	–	9.3	–	–
127.0	34.0	–	0.0	–	0.0	–	–	–	0.0	–	21.6	–	–

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	40.0	-	0.0	-	0.0	5.6	-	-	83.6	-	18.6	-	-
127.0	45.0	-	0.0	-	0.0	-	-	-	17.9	-	0.0	-	-
127.0	55.0	-	2.8	-	0.0	-	-	-	0.0	-	0.0	-	-
130.0	25.5	-	-	-	-	0.0	-	-	0.0	-	2.0	-	-
130.0	26.0	-	-	-	-	0.4	-	-	202.8	-	3.6	-	-
130.0	28.0	-	-	-	-	0.9	-	-	296.4	-	2.1	-	-
130.0	30.0	-	0.0	-	-	0.0	-	-	23.4	-	0.0	-	-
130.0	35.0	-	0.0	-	-	0.0	-	-	0.0	-	2.9	-	-
130.0	45.0	-	6.7	-	-	0.0	-	-	0.0	-	0.0	-	-
130.0	55.0	-	10.1	-	-	0.0	-	-	0.0	-	0.0	-	-
130.0	70.0	-	13.5	-	-	2.8	-	-	2.9	-	0.0	-	-
130.0	80.0	-	0.0	-	-	11.3	-	-	0.0	-	-	-	-
130.0	90.0	-	9.7	-	-	2.9	-	-	-	-	-	-	-
130.0	100.0	-	2.9	-	-	4.9	-	-	-	-	-	-	-
130.0	120.0	-	6.5	-	-	0.0	-	-	-	-	-	-	-
133.0	20.5	-	-	-	-	-	-	-	513.5	-	0.3	-	-
133.0	21.0	-	-	-	0.0	-	-	-	347.6	-	6.4	-	-
133.0	23.0	-	-	-	0.0	-	-	-	0.0	-	4.2	-	-
133.0	25.0	-	0.0	-	2.3	-	-	-	310.4	-	5.2	-	-
133.0	35.0	-	0.0	-	9.1	-	-	-	0.0	-	2.8	-	-
133.0	40.0	-	0.0	-	2.9	-	-	-	0.0	-	0.0	-	-
133.0	45.0	-	2.8	-	0.0	-	-	-	3.0	-	0.0	-	-
133.0	50.0	-	0.0	-	0.0	-	-	-	2.9	-	0.0	-	-
133.0	60.0	-	0.0	-	0.0	-	-	-	23.5	-	0.0	-	-
133.0	65.0	-	0.0	-	-	0.0	-	-	2.6	-	-	-	-
133.0	70.0	-	0.0	-	-	0.0	-	-	17.9	-	-	-	-
133.0	80.0	-	0.0	-	-	3.1	-	-	13.9	-	-	-	-
137.0	20.0	-	-	-	-	0.0	-	-	-	-	2.2	-	-
137.0	21.0	-	-	-	-	0.7	-	-	-	-	19.4	-	-
137.0	22.0	-	-	-	-	0.0	-	-	-	-	6.4	-	-
137.0	23.0	-	0.0	-	-	0.0	-	-	-	-	14.3	-	-
137.0	35.0	-	0.0	-	-	0.0	-	-	-	-	2.7	-	-
137.0	45.0	-	3.2	-	-	2.8	-	-	-	-	0.0	-	-
137.0	50.0	-	0.0	-	-	0.0	-	-	2.9	-	0.0	-	-
137.0	55.0	-	0.0	-	-	0.0	-	-	14.1	-	0.0	-	-
137.0	60.0	-	0.0	-	-	0.0	-	-	29.1	-	0.0	-	-
137.0	70.0	-	6.7	-	-	2.6	-	-	0.0	-	-	-	-
137.0	80.0	-	3.3	-	-	0.0	-	-	3.0	-	-	-	-
140.0	30.0	-	2.8	-	-	0.0	-	-	-	-	-	-	-
140.0	35.0	-	3.5	-	-	0.0	-	-	-	-	-	-	-

TABLE 5. Summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1961 to 1969. Taxa are listed in the same order as Table 4.

NAME	1961	1962	1963	1964	1965	1966	1967	1968	1969
Anguilliformes	7	8	20	8	24	17	5	3	13
Etrumeus acuminatus	4	7	36	37	35	26	7	1	9
Opisthonema spp.	–	–	–	–	2	3	–	–	–
Sardinops sagax	53	58	99	88	104	143	31	10	79
Engraulis mordax	408	454	567	707	618	987	150	188	880
Argentina sialis	18	49	33	37	49	93	21	18	98
Microstoma microstoma	12	19	11	31	17	48	9	19	73
Nansenia candida	9	13	5	7	9	39	6	12	32
Nansenia crassa	29	15	30	33	22	48	8	5	40
Bathylagus spp.	18	1	54	1	7	18	6	35	215
Bathylagus milleri	–	–	2	3	1	1	–	1	33
Bathylagus ochotensis	57	66	98	196	127	260	28	106	359
Bathylagus pacificus	5	7	8	38	3	26	–	15	80
Bathylagus wesethi	149	168	160	235	220	461	99	90	328
Leuroglossus stilbius	202	225	236	360	300	449	43	116	498
Dolichopteryx spp.	–	–	–	–	–	–	–	–	1
Macropinna microstoma	1	–	–	–	–	–	–	–	–
Osmeridae	–	–	2	–	–	–	–	–	1
Stomiiformes	12	4	3	6	1	6	9	1	4
Gonostomatidae	2	5	12	8	18	8	–	4	126
Cyclothone spp.	214	277	241	247	265	593	80	65	346
Diplophos taenia	5	5	7	–	3	11	1	1	7
Ichthyococcus spp.	4	11	11	13	7	35	5	2	34
Vinciguerria lucetia	342	371	383	369	436	828	121	82	479
Vinciguerria poweriae	3	7	3	4	3	6	–	–	1
Woodsia nonsuchae	–	–	1	–	–	–	–	–	–
Sternoptychidae	54	71	45	79	59	250	28	48	469
Astronesthidae	–	2	–	–	–	–	–	–	1
Chauliodus macouni	28	28	31	68	57	171	9	46	189
Idiacanthus antrostomus	48	43	26	32	33	72	15	22	114
Aristostomias scintillans	9	10	9	6	9	12	2	–	11
Bathophilus spp.	5	10	4	3	4	5	2	1	2
Eustomias spp.	1	1	–	1	1	–	–	1	–
Photonectes spp.	7	3	2	2	6	4	–	–	–
Tactostoma macropus	7	4	–	4	2	16	3	–	4
Stomias atriventer	58	76	98	81	100	326	24	46	214
Evermannellidae	1	3	1	1	1	–	–	–	–
Paralepididae	–	3	5	10	3	–	–	3	6
Lestidiops ringens	50	80	58	63	67	232	36	52	231
Notolepis risso	9	12	9	7	9	12	2	8	18
Paralepis atlantica	–	–	–	–	1	–	–	–	–
Stemonosudis macrura	4	6	–	2	6	5	–	1	1
Sudis atrox	2	4	–	2	4	–	–	–	–
Aulopus spp.	–	–	–	–	–	1	–	–	–
Scopelosaurus spp.	16	10	8	16	19	21	6	3	36
Scopelarchidae	67	60	50	21	33	114	29	13	93

TABLE 5. (cont.)

NAME	1961	1962	1963	1964	1965	1966	1967	1968	1969
Myctophidae	165	151	179	220	222	346	33	79	329
Ceratoscopelus townsendi	149	157	128	146	156	302	37	23	153
Diaphus spp.	77	56	46	101	80	187	46	34	110
Lampadena urophaos	53	45	50	25	32	62	10	1	23
Lampanyctus spp.	148	139	199	155	183	401	67	65	550
Lampanyctus regalis	13	12	2	20	9	46	12	11	19
Lampanyctus ritteri	154	204	120	189	234	523	43	72	155
Notolychnus valdiviae	29	13	22	16	21	22	7	1	10
Notoscopelus resplendens	59	41	50	39	44	54	11	3	29
Parvilux ingens	–	–	–	–	–	–	–	–	1
Stenobrachius leucopsarus	177	179	186	342	263	420	31	127	390
Triphoturus mexicanus	407	422	451	448	494	990	142	92	556
Triphoturus nigrescens	4	–	–	–	1	–	–	–	–
Benthosema pterota	–	–	–	–	–	3	–	–	–
Centrobranchus spp.	2	10	–	2	2	–	1	–	2
Diogenichthys spp.	54	62	88	61	11	165	16	13	79
Diogenichthys atlanticus	102	155	92	111	116	171	38	46	210
Diogenichthys laternatus	94	127	161	163	249	361	63	32	210
Electrona rissoi	3	5	–	3	2	3	–	–	7
Gonichthys tenuiculus	20	24	29	46	81	146	16	12	48
Hygophum spp.	4	3	29	6	11	4	–	–	13
Hygophum atratum	27	38	41	44	103	178	21	6	81
Hygophum reinhardtii	39	58	27	20	27	9	7	–	10
Loweina rara	8	4	5	4	8	6	1	–	11
Myctophum nitidulum	46	42	31	32	19	58	11	8	59
Protomyctophum crockeri	247	252	225	292	261	671	109	139	717
Protomyctophum thompsoni	–	–	–	–	–	–	–	–	9
Symbolophorus californiensis	82	140	78	116	111	291	38	61	157
Tarletonbeania crenularis	160	115	111	140	132	208	10	73	277
Synodus spp.	19	23	41	35	42	121	23	–	54
Bregmaceros spp.	–	–	–	–	–	2	–	–	–
Microgadus proximus	–	–	–	3	–	2	–	–	–
Merluccius productus	152	228	229	290	290	398	25	95	361
Physiculus spp.	–	1	1	1	3	2	1	–	2
Macrouridae	4	6	6	5	3	5	2	3	14
Ophidiiformes	16	16	35	49	37	69	10	16	45
Brosmophycis marginata	–	2	3	3	7	17	5	8	16
Carapidae	–	1	–	1	–	–	–	–	–
Chilara taylori	12	31	15	11	29	55	15	–	28
Ophidion scrippsae	2	10	61	19	40	67	–	–	34
Porichthys spp.	1	–	1	1	–	1	1	–	2
Ceratioidei	15	26	17	7	18	43	–	–	30
Gobiesocidae	3	–	5	8	9	12	–	–	1
Exocoetidae	2	–	1	3	2	10	–	2	5
Hemiramphidae	–	–	–	2	1	–	–	–	–
Cololabis saira	11	6	13	22	9	31	3	10	32
Atherinidae	–	–	9	23	8	11	2	2	5
Trachipteridae	27	27	20	22	19	75	6	9	80
Eutaeniophoridae	–	–	–	–	–	–	–	–	5

TABLE 5. (cont.)

NAME	1961	1962	1963	1964	1965	1966	1967	1968	1969
Melamphaes spp.	117	106	134	114	151	340	68	84	333
Poromitra spp.	13	18	28	28	32	51	6	14	27
Scopeloberyx robustus	4	2	2	-	7	-	-	-	2
Scopelogadus bispinosus	18	34	10	31	13	60	4	5	17
Macroramphosus gracilis	3	6	6	3	7	6	7	-	11
Syngnathus spp.	6	5	8	12	12	15	6	3	10
Agonidae	3	6	16	24	22	20	5	4	9
Anoplopoma fimbria	-	-	-	1	-	-	-	-	-
Cottidae	11	21	33	45	37	43	5	12	40
Scorpaenichthys marmoratus	3	3	7	13	20	15	-	5	24
Cyclopteridae	8	2	12	14	16	14	4	4	17
Hexagrammidae	-	1	-	2	1	1	-	1	6
Ophiodon elongatus	-	-	-	-	-	1	-	1	1
Oxylebius pictus	6	3	7	27	13	7	-	5	20
Zaniolepis spp.	2	9	12	11	7	26	7	3	19
Scorpaenidae	-	1	2	-	-	1	1	-	-
Scorpaena spp.	11	11	17	16	25	62	8	3	12
Sebastes spp.	311	273	289	492	387	698	81	207	705
Sebastolobus spp.	8	2	17	20	20	87	4	14	47
Prionotus spp.	10	9	40	15	30	25	-	-	19
Acanthuridae	-	-	1	-	-	-	-	-	-
Blennioidei	1	-	14	6	4	-	3	-	4
Hypsoblennius spp.	11	14	68	69	73	77	19	6	61
Clinidae	12	21	31	44	64	51	9	10	51
Gobiidae	31	41	87	80	104	198	36	19	138
Icosteus aenigmaticus	1	1	1	1	-	3	-	-	1
Labridae	-	2	9	-	7	-	2	3	-
Halichoeres spp.	12	12	40	18	36	50	4	1	28
Oxyjulis californica	23	22	34	15	31	97	23	15	58
Semicossyphus pulcher	6	10	21	7	27	28	4	-	8
Pomacentridae	-	-	10	4	8	5	-	-	-
Chromis punctipinnis	3	21	42	13	39	105	5	1	54
Hypsypops rubicundus	-	-	1	-	8	1	-	-	-
Mugil spp.	-	-	-	1	1	5	1	-	-
Apogonidae	-	-	-	-	-	1	-	-	-
Howella brodiei	16	7	-	5	4	3	1	1	4
Brama spp.	21	17	17	7	9	21	1	-	12
Carangidae	-	1	20	14	25	13	2	-	3
Seriola lalandi	5	12	15	7	14	30	5	4	9
Trachurus symmetricus	144	208	199	206	214	503	76	85	248
Caristius macropus	-	-	-	-	1	1	-	-	-
Coryphaena hippurus	-	7	2	1	10	5	1	-	1
Chaetodipterus zonatus	-	-	1	-	-	-	-	-	-
Gerreidae	-	2	15	10	14	12	2	-	4
Haemulidae	-	1	13	16	11	17	-	-	4
Girella nigricans	5	1	11	3	3	4	3	7	7
Medialuna californiensis	4	11	13	4	5	22	6	3	12
Caulolatilus princeps	4	3	2	3	7	5	1	-	2
Mullidae	-	-	2	-	-	-	-	-	-

TABLE 5. (cont.)

NAME	1961	1962	1963	1964	1965	1966	1967	1968	1969
Sciaenidae	28	42	85	135	147	157	32	38	195
Serranidae	10	6	68	38	59	91	23	2	72
Sparidae	-	-	1	-	-	-	-	-	-
Polynemidae	-	-	-	-	-	1	-	-	-
Gempylidae	7	15	6	5	8	7	-	-	1
Scombridae	3	-	3	2	4	-	8	2	2
Auxis spp.	-	-	2	-	8	4	-	-	2
Sarda chiliensis	7	3	10	8	9	29	1	-	30
Scomber japonicus	26	32	57	39	34	68	14	-	24
Scomberomorus spp.	1	-	1	1	5	3	-	-	-
Trichiuridae	10	23	27	17	27	74	10	-	23
Sphyraena argentea	6	6	22	10	25	31	7	4	15
Icichthys lockingtoni	38	39	52	78	53	131	18	48	202
Nomeidae	-	-	1	1	1	2	-	-	1
Peprilus simillimus	2	19	19	18	45	52	22	11	45
Tetragonurus cuvieri	45	76	98	46	31	74	36	5	48
Chiasmodontidae	25	22	39	13	40	60	6	10	41
Pleuronectiformes	2	-	13	7	4	-	1	1	7
Bothus spp.	-	-	2	-	-	-	-	-	-
Citharichthys spp.	186	221	281	243	342	590	108	101	611
Citharichthys stigmaeus	50	97	65	73	65	171	19	42	269
Hippoglossina stomata	24	15	44	42	44	83	12	5	52
Paralichthys californicus	21	37	57	96	107	81	13	13	60
Syacium ovale	-	-	3	-	1	3	-	-	-
Xystreurys liolepis	1	9	15	18	8	30	4	-	22
Glyptocephalus zachirus	2	-	9	18	4	36	-	14	15
Hypsopsetta guttulata	1	-	4	5	10	3	-	-	6
Lepidopsetta bilineata	1	1	-	1	2	3	2	2	1
Lyopsetta exilis	32	31	33	46	33	72	4	20	65
Microstomus pacificus	2	-	11	13	16	52	13	17	56
Parophrys vetulus	14	32	41	41	81	80	6	21	80
Platichthys stellatus	-	-	-	-	-	3	-	-	-
Pleuronichthys spp.	4	3	10	12	1	-	10	3	1
Pleuronichthys coenosus	2	2	6	9	5	11	1	3	15
Pleuronichthys decurrens	1	4	-	1	4	11	-	2	11
Pleuronichthys ritteri	5	3	12	12	9	8	2	1	7
Pleuronichthys verticalis	10	47	56	74	88	81	24	18	66
Psettichthys melanostictus	1	1	5	12	9	10	-	4	14
Symphurus spp.	18	41	73	48	75	138	10	-	71
Soleidae	-	-	-	-	1	-	-	-	-
Tetraodontidae	-	-	-	-	3	-	-	-	-
Disintegrated fish larva	184	223	274	311	319	542	84	74	458
Unidentified fish larva	147	147	256	217	263	485	60	72	422

TABLE 6. List of stations which were occupied twice in one month during 1963.

Station		Month
127.0	33.0	8

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This index lists taxa included in Table 4 with their page numbers.

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