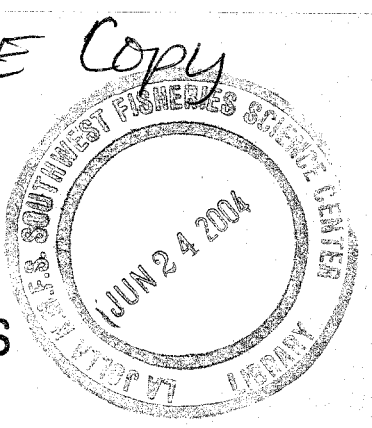

NOAA Technical Memorandum NMFS

SEPTEMBER 1987

ICHTHYOPLANKTON AND STATION DATA FOR CALIFORNIA COOPERATIVE OCEANIC FISHERIES INVESTIGATIONS SURVEY CRUISES IN 1955

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NOAA-TM-NMFS-SWFC-83

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

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 1955. It is the fifth report in a series that presents these data for all biological-oceanographic CalCOFI surveys from 1951 to the present. A total of 1308 stations was occupied during 9 monthly multivessel cruises over the quarter-million square mile survey area which extends from the California-Oregon border to Cape San Lucas, 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 124 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 fifth 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 1955. 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 1955 have been published in a number of forms. Hydrographic data (Reid et al., 1962), zooplankton volumes (Staff, SPFI, 1956; Thrailkill, 1956; Smith, 1971) and ichthyoplankton data for selected species (Ahlstrom and Kramer, 1957) were presented in standard formats. The latter lists counts for eggs and larvae of sardine and for larvae of northern anchovy (*Engraulis mordax*), jack mackerel (*Trachurus symmetricus*), Pacific mackerel (*Scomber japonicus*), Pacific hake (*Merluccius productus*), and rockfishes (*Sebastes* spp.). Also, length frequencies are listed for larvae of sardine, anchovy, jack mackerel and Pacific mackerel. Distribution maps of larvae of 5 of these taxa taken on CalCOFI surveys during 1955 are presented in the CalCOFI Atlas series (Kramer and Ahlstrom, 1968; Ahlstrom, 1969; Kramer, 1970; Ahlstrom et al., 1978). Other atlases provided distribution maps of 6 mesopelagic fish larvae (Ahlstrom, 1972) and 8 flatfish taxa (Ahlstrom and Moser, 1975) taken during 1955.

A computer data base for eggs and larvae of sardine and anchovy and for larvae of hake, and the two mackerels 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 1955 were subjected to an extensive verification and editing process to produce this report. This, and previous (Ambrose et al., 1987; Sandknop et al., 1987; Stevens et al., 1987; Sumida et al., 1987) 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 1955, CalCOFI survey cruises were conducted at monthly intervals except during August, September and November. A total of 1308 stations included in this data base was occupied on 9 cruises, with an average of 145 stations per cruise (range of 105-196). Coverage of the survey station pattern varied among cruises and the entire quarter-million square mile survey area was not covered on any single cruise (Figures 1-10; Table

1). The area off northern California (lines 40-57) was not surveyed. Central California (lines 60-77) waters were covered by stations occupied in May, June, July, and October. The area between Pt. Conception, California and Pt. San Juanico, Baja California (lines 80-137) was surveyed on all cruises. The area off southern Baja California (lines 140-157) was surveyed in January, February, March, and December. Coverage extended seaward to station 100 (approximately 300 miles offshore) on some lines in the main sampling area but typically did not extend beyond station 90 (approximately 160-250 miles offshore)[1].

Six vessels were employed on these cruises: the *Black Douglas*, of NMFS, and the *Crest*, *Horizon*, *Paolina T*, *Spencer F. Baird* and *Stranger* of SIO. Two to three vessels participated on each cruise with three being the usual number. The *Crest* was used on all cruises except 5510 and 5512 and the *Black Douglas* on all but 5501, 5502, and 5506. The other four vessels participated on a total of 10 cruises (Reid et al., 1962).

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. $3m^3/m$ 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

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[1]CalCOFI lines (Figure 11) 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).

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 (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 1955 are listed in Staff, SPFI (1956) and presented graphically in Thrailkill (1956) and Smith (1971).

Sorting involved the removal of ichthyoplankton from the sample and identification and separation of eggs and larvae of selected species (see introduction). 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: 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 1955 are listed in Table 1 under the "Percent Sorted" column.

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 1955. 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 about 122 taxa was identified for 1955, with 72 taken to species, 22 to genus, 24 to family, and 4 to order. Some of the developmental series recognized originally could not be assigned scientific names, particularly in the Bathylagidae, Myctophidae, and Pleuronectiformes. These were given descriptive names, which later were changed to scientific names as they became known.

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. During the coding of the identification sheets, the "descriptive types" were assigned scientific names and reexamined, if necessary. After computer entry, taxonomic errors and inconsistencies in the data base were corrected and the most obvious identification errors were corrected. Our current knowledge of ichthyoplankton techniques coupled with a precise understanding of the development of identification competency in the program over the years allowed us to critically judge the historical records. Identifications were changed to different taxa, lumped to a higher taxonomic category, or given a more precise taxonomic name. In many cases, identifications of a taxon were inconsistent among cruises in a year, because of varying competency of identifiers. 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 1955 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.

Engraulidae - includes nearshore taxa (mostly *Anchoa* spp.) large enough to separate from *Engraulis mordax*. Some nearshore samples of small *E. mordax* may contain other anchovy genera, but 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. - all specimens rechecked; residuals are small, poorly preserved specimens which possibly include *Leuroglossus stilbius*.

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

Bathophilus spp. - all specimens checked.

Tactostoma macropus - all specimens checked, and identifications changed to *Bathophilus* spp.

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

Lampanyctus spp. - tentative and sporadic identifications to species (mostly descriptive types) lumped to genus; identification of *L. regalis* and *L. ritteri* began in 1954.

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 south of line 120 checked.

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 specimens.

Myctophum aurolaternatum - specimens checked; originally called "Astronesthidae".

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

Symbolophorus californiensis - all specimens south of line 120 checked for confusion with *Hygophum* spp., stemming from descriptive names.

Bregmaceros spp. - all gadiform types (see Index), except *Merluccius productus* and Macrouridae, reexamined.

Ophidiiformes - this category did not exist originally and ophidiiform larvae were included in *Brosmophysis marginata*, Carapidae, "*Otophidium*", "Zoarcidae", and "blenny"; identifications of *B. marginata* and Carapidae 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 in addition to true blennioids.

Ceratioidei - identifications of this group were inconsistent and specimens may be in the unidentified fish larva category.

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*). Larvae originally identified as *Melamphaes* spp. were not reexamined and this category may contain other melamphaid genera.

Cottidae - some samples may include specimens of *Scorpaenichthys marmoratus*, hexagrammids (e.g., *Oxylebius pictus*, *Zaniolepis* spp.), and some blennioids (e.g., *Hypsoblennius* spp.).

Zaniolepis spp. - all specimens checked.

Sebastes spp. - in addition to other scorpaenid genera, category includes *Prionotus* spp., serranids, scombrids, and other spiny-headed shorefishes, particularly in samples south of line 120.

Sebastolobus spp. - absence of this category probably results from misidentification as *Sebastes* spp.

Hypsoblennius spp. - some specimens remain in Cottidae.

Clinidae - some specimens remain in Cottidae or unidentified fish larva category.

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

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

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 - larvae of this family and other shorefishes (e.g., Haemulidae, Girella nigricans, Mullidae, Priacanthidae) were not identified and may be in the unidentified fish larva category or may be misidentified as *Sebastes* spp., Cottidae, etc.

Medialuna californiensis - all specimens checked.

Caulolatilus princeps - all specimens checked.

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

Serranidae - this family is underrepresented and some specimens may be in the unidentified fish larva category or may have been misidentified as *Sebastes* spp.

Scombridae - all larvae identified to this family or constituent taxa (except *Scomber japonicus*) were reexamined and reassigned; underrepresentation or absence of these taxa may be attributed to misidentification or they may be in the unidentified fish larva category.

Nomeidae - absence of this family attributed to misidentification or placement in unidentified fish larva category.

Pleuronectiformes - all available specimens of this category (originally called "flatfish") were examined and reidentified; residuals are small, poorly preserved specimens.

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

Citharichthys spp. - all larvae identified to genus or to a species of the genus from 1954 through 1960 were checked and identified to species; residuals are small, poorly preserved specimens or those with variable taxonomic characters.

Etropus spp. - larvae of this taxon were originally lumped with *Citharichthys* spp.; present records result from complete reidentification of *Citharichthys* spp.

Hippoglossina spp. - all specimens of this genus (originally called "pigmented bothid") were examined and assigned to *H. stomata*.

Paralichthys spp. - all specimens of this genus were examined and most were assigned to *P. californicus* or *Xystreurys liolepis*.

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

Glyptocephalus zachirus - all specimens examined.

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 specimens.

Psettichthys melanostictus - absence of this species may be explained by misidentification with other flatfish species (e.g., *Lyopsetta exilis*) which we did not reexamine systematically.

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 (*Cololabis saira*); 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 (Moser et al., 1987) were conducted concurrently with editing procedures and provided cross-checks that allowed correction of errors.

SPECIES SUMMARY

Larvae of northern anchovy (*Engraulis mordax*) represented 39% of all fish larvae taken on CalCOFI cruises during 1955 and numbered over twice as many as Pacific hake (*Merluccius productus*), the next most abundant species (Tables 2, 3). Anchovy and hake ranked 2nd and 5th in incidence, respectively. Larvae of *Sebastes* spp., a composite of about 70 species of rockfish, were next most abundant (8% of total) and ranked 1st in occurrence. These 3 taxa accounted for about 2/3 of all fish larvae taken in 1955. *Leuroglossus stilbius*, a deepsea smelt, ranked 4th in abundance and 3rd in occurrence. Larvae of *Sardinops sagax*, Pacific sardine, ranked 5th in abundance but only 12th in occurrence, indicating relatively large sample sizes. Jack mackerel, *Trachurus symmetricus*, larvae ranked 6th in both abundance and incidence. The next most abundant were three midwater species, a lanternfish (*Triphoturus mexicanus*), a lightfish (*Vinciguerria lucetia*), and another lanternfish (*Stenobrachius leucopsarus*), ranking 7th, 8th, and 9th, respectively. *Triphoturus* ranked 4th in occurrence, *Vinciguerria* was 7th, and *Stenobrachius* 13th. The 10th ranked taxon by abundance was the sanddab genus *Citharichthys* composed of specimens that could not be identified to species because of small size, poor condition, or variable taxonomic characters. These 10 top-ranking taxa contributed 87% of all larvae taken during 1955. The remaining 13% was represented by 112 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 1955, 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 2-10). 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. Decimal fractions were not used in 1955. 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: BD, *Black*

Douglas; CR, *Crest*; HO, *Horizon*; PT, *Paolina T*; SB, *Spencer F. Baird*; ST, *Stranger*.

Table 2 - This table lists pooled occurrences of all larval fish taxa taken during 1955 in ranked order.

Table 3 - This table lists pooled counts of all larval fish taxa taken during 1955 in ranked order. Numbers are adjusted for percent sorted and standard haul factors.

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

Table 5 - This table is a summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1951 to 1960. Taxa are listed in the same order as in Table 4.

Table 6 - List of stations with multiple occupancies in one month during 1955.

ACKNOWLEDGMENTS

Elbert Ahlstrom, Robert Counts, Lois Hunter, and David Kramer originally identified larvae from CalCOFI cruises of 1955. 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 project. Izadore Barrett, Director of the Southwest Fisheries Center and Reuben Lasker, Chief, Coastal Fisheries Resources Division, SWFC, provided the support critical to the completion of the project. James Thrailkill planned CalCOFI surveys and supervised cruises, data handling, and plankton sorting from 1949 to 1986 and is largely responsible for the high quality of these operations.

Without the vision and direction of Elbert Ahlstrom and Elton Sette and the dedicated efforts of the many people who collected, processed, and analyzed the samples, this data base would not exist.

LITERATURE CITED

Ahlstrom, E. H. 1948. A record of pilchard eggs and larvae collected during surveys made in 1939 to 1941. U.S. Fish Wildl. Serv. SSRF 54, 82 p.

Ahlstrom, E. H. 1953. Pilchard eggs and larvae and other fish larvae, pacific coast - 1951. U.S. Fish Wildl. Serv. SSRF 102, 55 p.

Ahlstrom, E. H. 1969. Distributional atlas of fish larvae in the California Current region: jack mackerel, *Trachurus symmetricus*, and Pacific hake, *Merluccius productus*, 1951 through 1966. CalCOFI Atlas No. 11: xi + 187 p.

Ahlstrom, E. H. 1972. Distributional atlas of fish larvae in the California Current region: six common mesoplagic fishes - *Vinciguerria lucetia, Triphoturus mexicanus, Stenobrachius leucopsarus, Leuroglossus stilbius, Bathylagus wesethi*, and *Bathylagus ochotensis*, 1955 through 1960. CalCOFI Atlas No. 17: xv + 306 p.

Ahlstrom, E. H. and D. Kramer. 1957. Sardine eggs and larvae and other fish larvae, Pacific Coast - 1955. U.S. Fish Wildl. Serv. SSRF 224, 90 p.

Ahlstrom, E. H. and H. G. Moser. 1975. Distributional atlas of fish larvae in the California Current region: Flatfishes, 1955 through 1960. CalCOFI Atlas No. 23: xix + 207 p.

Ahlstrom, E. H., H. G. Moser, and E. M. Sandknop. 1978. Distributional atlas of fish larvae in the California Current region: Rockfishes, *Sebastes* spp., 1950 through 1975. CalCOFI Atlas No. 26: xxi + 178 p.

Ambrose, D. A., R. L. Charter, H. G. Moser, and C. R. Santos Methot. 1987. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1951. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 79, 196 p.

Haight, C. A., H. G. Moser, and P. E. Smith. 1979. Data entry programs: CalCOFI. II. Fish eggs and larvae identification sheet. National Marine Fisheries Service, Southwest Fisheries Center, La Jolla, Admin. Rept. No. LJ-79-25.

Kramer, D. 1970. Distributional atlas of fish eggs and larvae in the California current region: Pacific sardine, *Sardinops caerulea* (Girard), 1951 through 1966. CalCOFI Atlas No. 12:vi + 277 p.

Kramer, D. and E. H. Ahlstrom. 1968. Distributional atlas of fish larvae in the California Current region: Northern anchovy, *Engraulis mordax* (Girard), 1951 through 1965. CalCOFI Atlas No. 9: xi + 269 p.

Kramer, D., M. Kalin, E. G. Stevens, J. R. Thrailkill, and J. R. Zweifel. 1972. Collecting and processing data on fish eggs and larvae in the California Current Region. NOAA Tech. Rep. NMFS Circ. 370, 38 p.

McEwen, G. F., M. W. Johnson, and T. R. Folsom. 1954. A statistical analysis of the performance of the Folsom Plankton Sample Splitter, based on test observations. Arch. Meteor. Geophys. Bioklim. Ser. A, 7:502-527.

Moser, H. G., P. E. Smith, and L. E. Eber. 1987. Larval fish assemblages in the California Current region during 1954-1960, a period of dynamic environmental change. CalCOFI Rep. 28:97-127.

Nelson, J. S. 1984. Fishes of the world. John Wiley and Sons, N.Y., 523 p.

Powles, H. and D. F. Markle. 1984. Identification of larvae, p. 31-33. *In*: Ontogeny and systematics of fishes. H. G. Moser, W. J. Richards, D. M. Cohen, M. P. Fahay, A. W. Kendall, Jr., and S. L. Richardson (eds.). Spec. Publ. No. 1. Amer. Soc. Ichthyol. Herpetol., 760 p.

Reid, J. L., Jr., R. S. Arthur, and E. B. Bennett, (eds.). 1962. Oceanic observations of the Pacific: 1955. Univ. Calif. Press, Berkeley, 477 p.

Sandknop, E. M., R. L. Charter, H. G. Moser, and J. D. Ryan. 1987. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1952. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 80, 207 p.

Smith, P. E. 1971. Distributional atlas of zooplankton volume in the California Current region, 1951 through 1966. CalCOFI Atlas No. 13: xvi + 144 p.

Smith, P. E. and S. L. Richardson. 1977. Standard techniques for pelagic fish egg and larva surveys. FAO Fish. Tech. Pap. No. 175, 100 p.

Staff, South Pacific Fishery Investigations. 1953. Zooplankton volumes off the Pacific Coast, 1952. U.S. Fish Wildl. Serv. SSRF 100, 41 p.

Staff, South Pacific Fishery Investigations. 1956. Zooplankton volumes off the Pacific Coast, 1955. U.S. Fish Wildl. Serv. SSRF 177, 31 p.

Stevens, E. G., R. L. Charter, H. G. Moser, and M. S. Busby. 1987. Ichthyoplankton and station data for California Cooperative Oceanic Fisheries Investigations survey cruises in 1953. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 81, 186 p.

Sumida, B. Y., R. L. Charter, H. G. Moser, and D. L. Snow. 1987. Ichthyoplankton and station data for California Coopertive Oceanic Fisheries Investigations survey cruises in 1954. U.S. Dep. Commer., NOAA Tech. Memo., NMFS, SWFC, No. 82, 207 p.

Thrailkill, J. R. 1956. Relative areal zooplankton abundance off the Pacific coast. U.S. Fish Wildl. Serv. SSRF 188, 85 p.

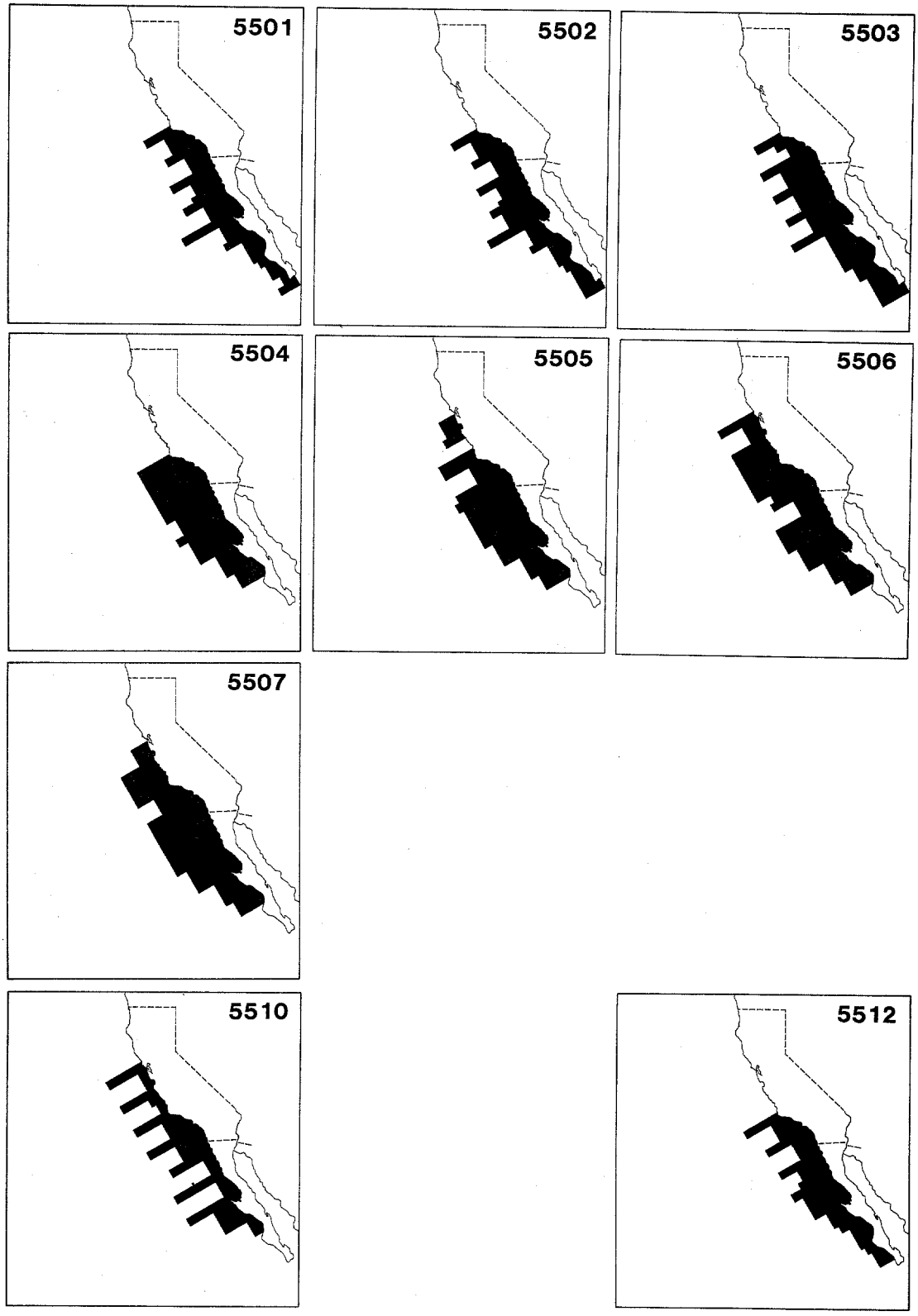

Figure 1. Composite arrangement of diagrammatic charts showing areas sampled on each CalCOFI cruise during 1955.

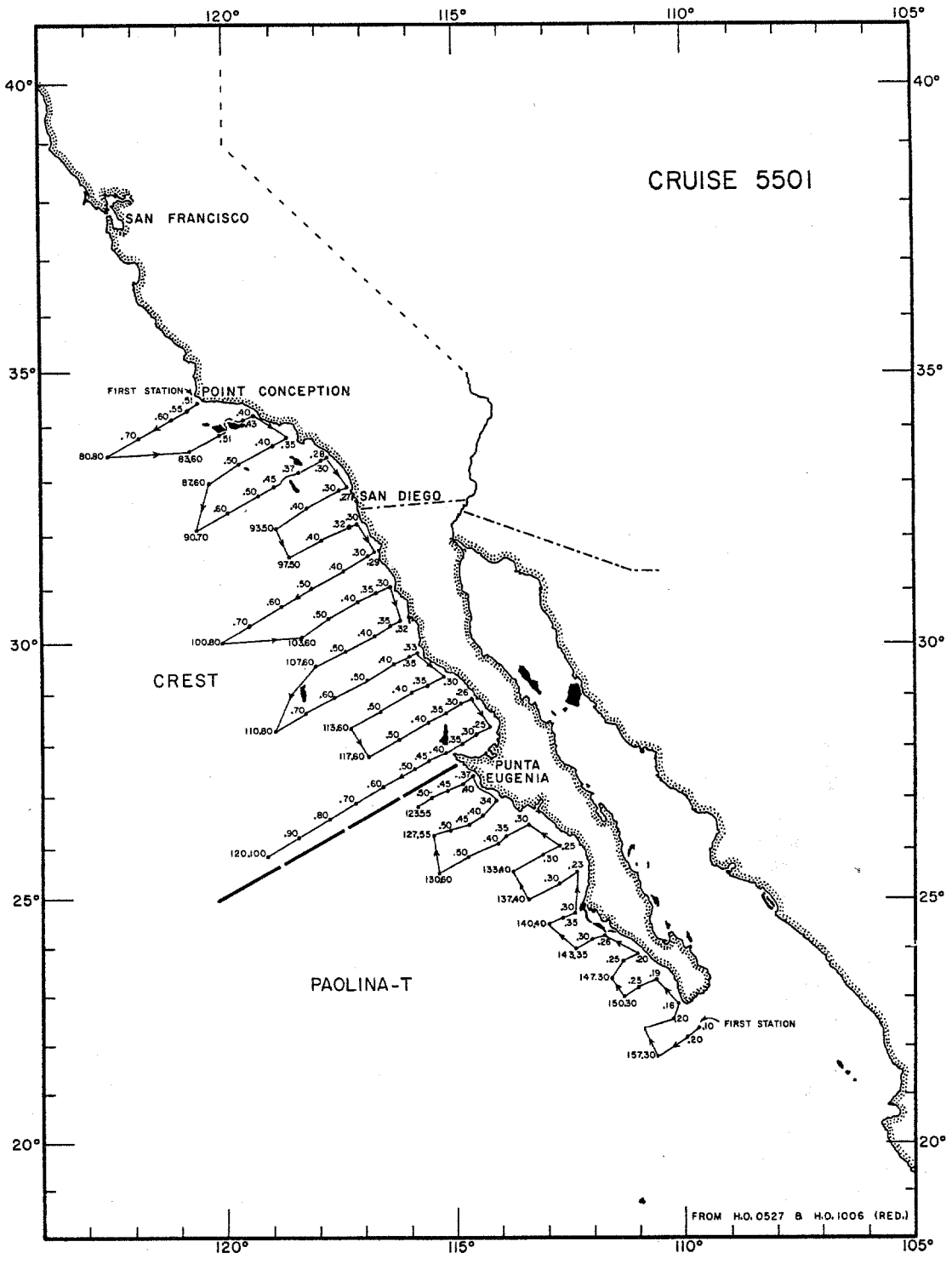

Figure 2. Station pattern for CalCOFI Cruise 5501 showing tracks for each vessel. Stations with plankton tows only are indicated by a dot; those with plankton tows and hydrographic measurements are shown by a dot and circle. Modified from charts in Reid *et al*. (1962) to include only those stations listed in Table 1 of this report.

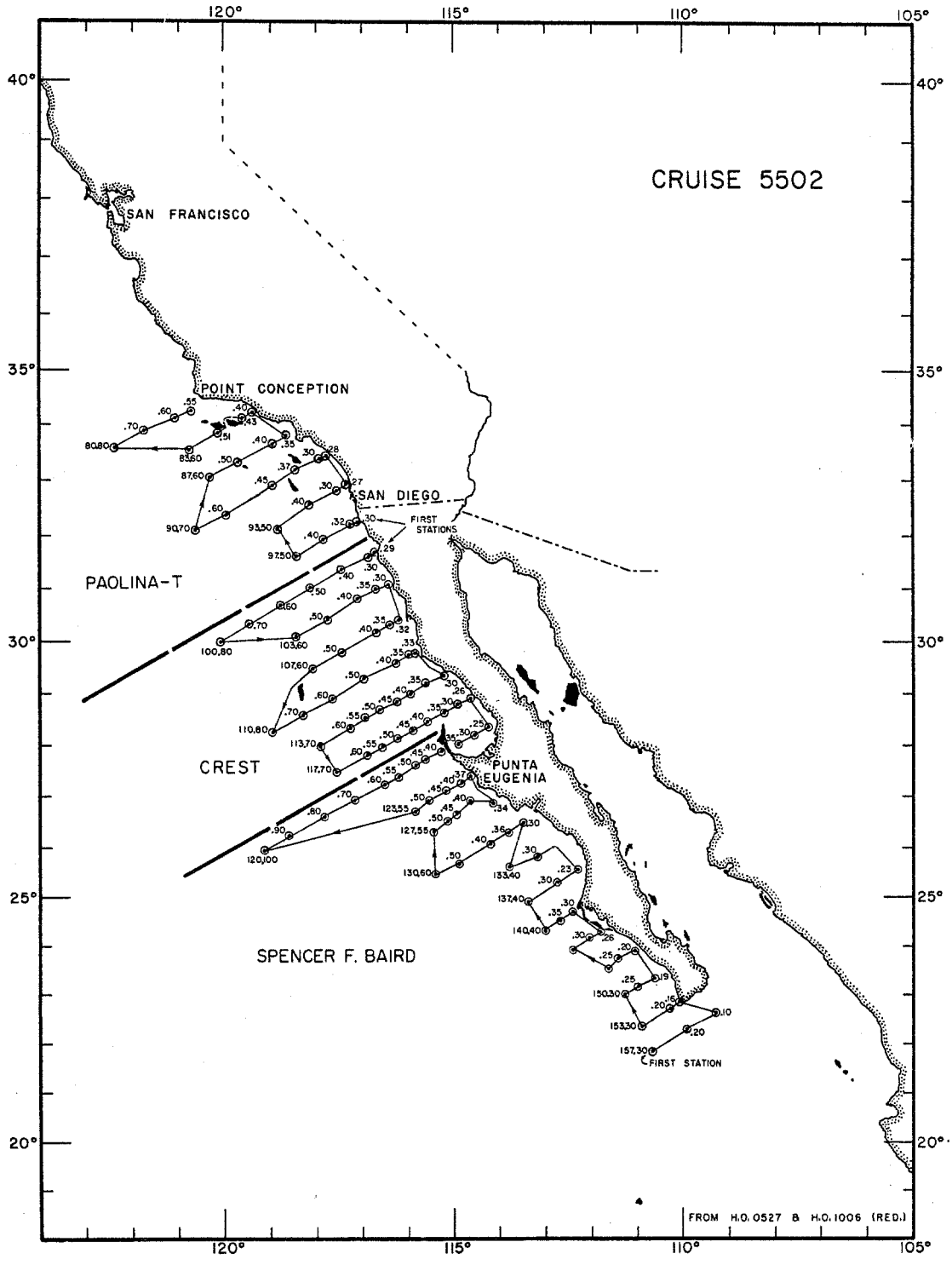

Figure 3. Station pattern for CalCOFI Cruise 5502. Symbols as in Figure 2.

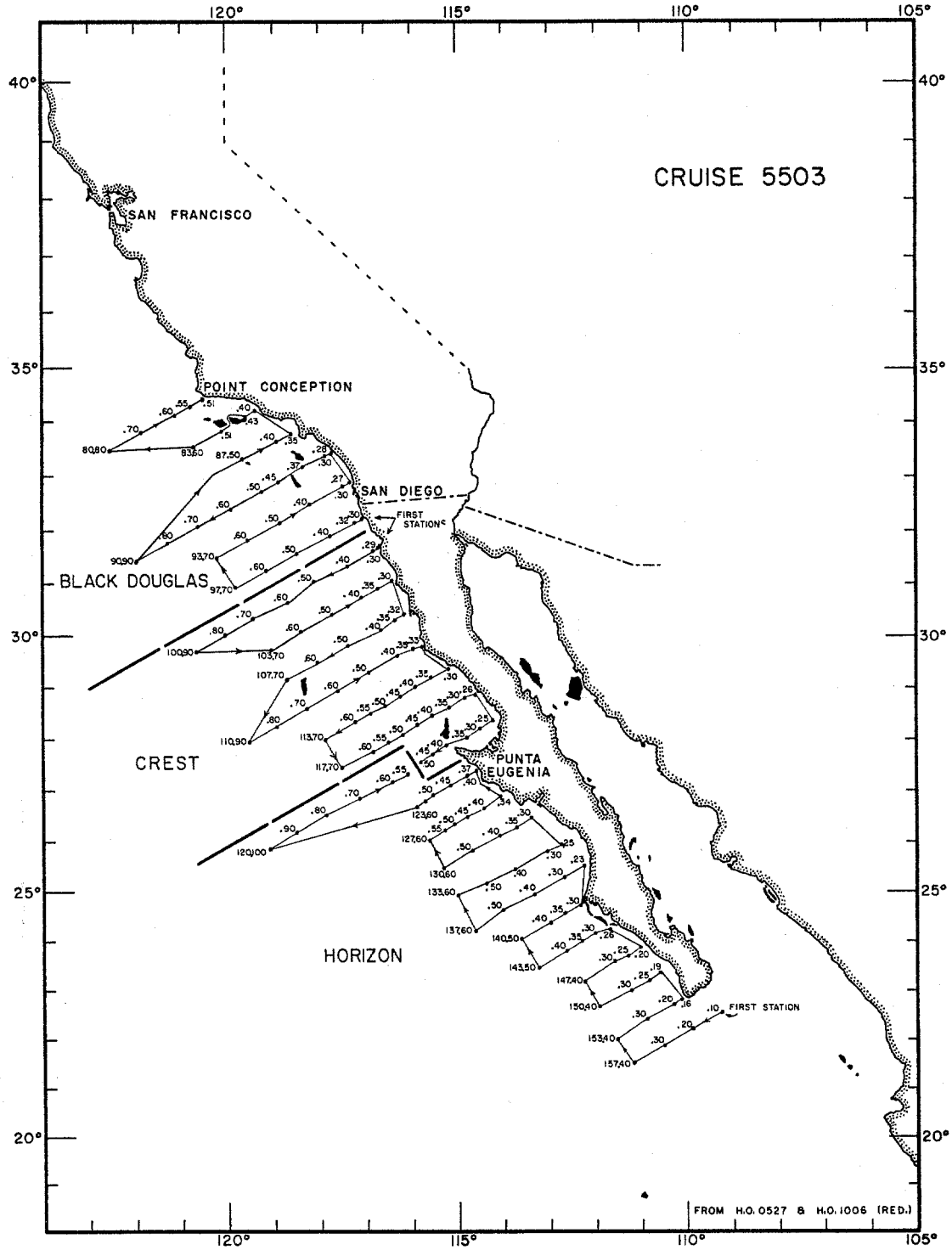

Figure 4. Station pattern for CalCOFI Cruise 5503. Symbols as in Figure 2.

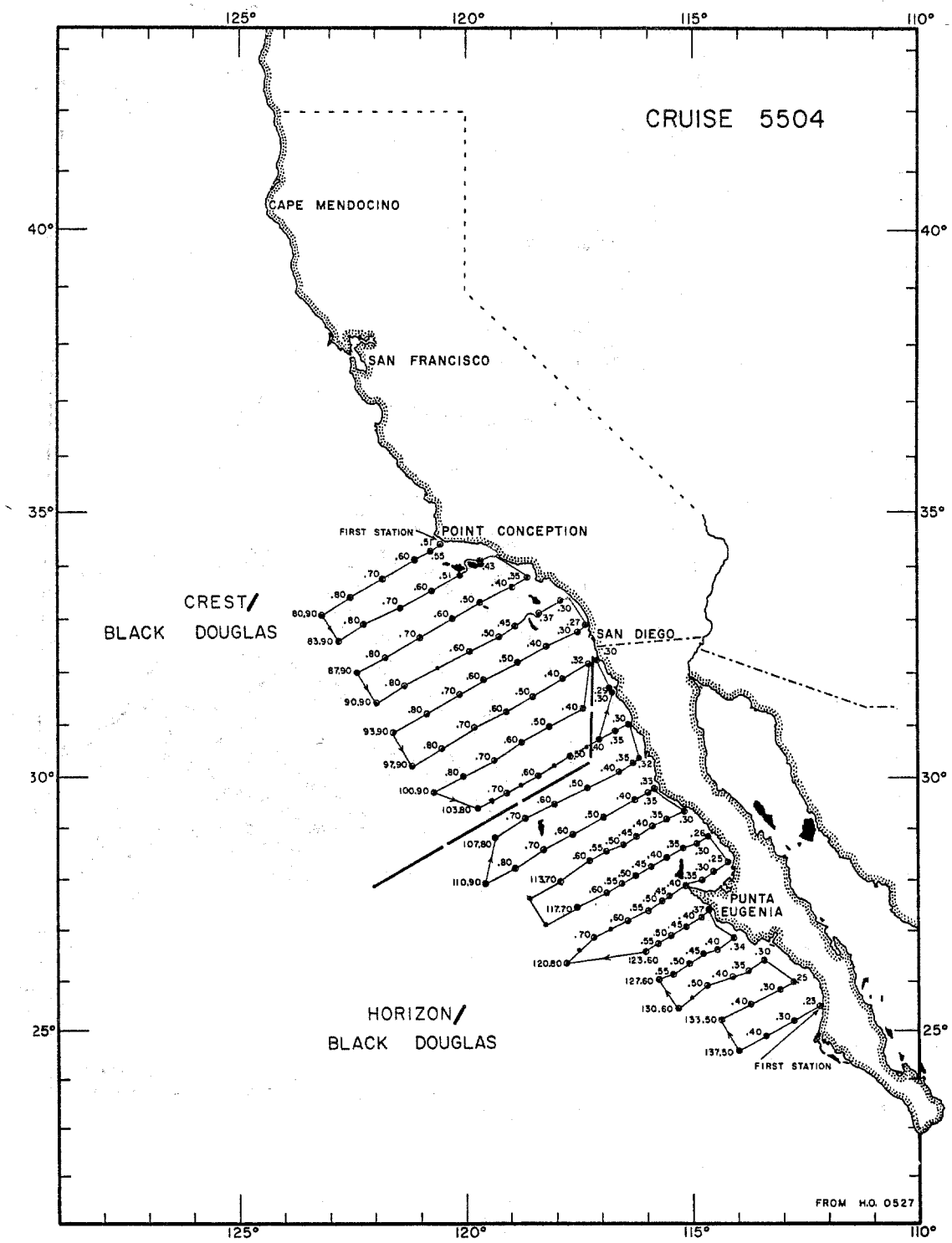

Figure 5. Station pattern for CalCOFI Cruise 5504. Symbols as in Figure 2.

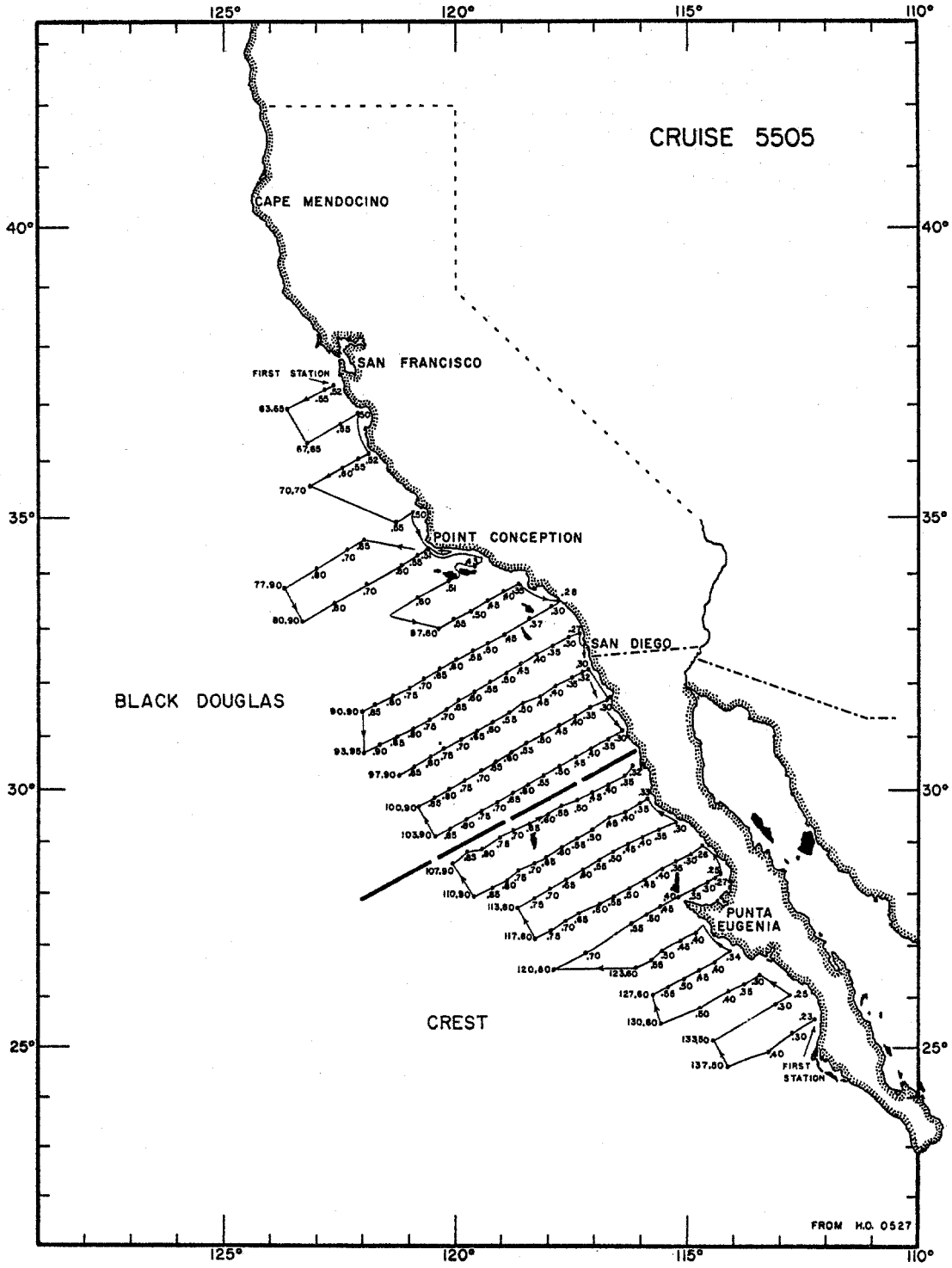

Figure 6. Station pattern for CalCOFI Cruise 5505. Symbols as in Figure 2.

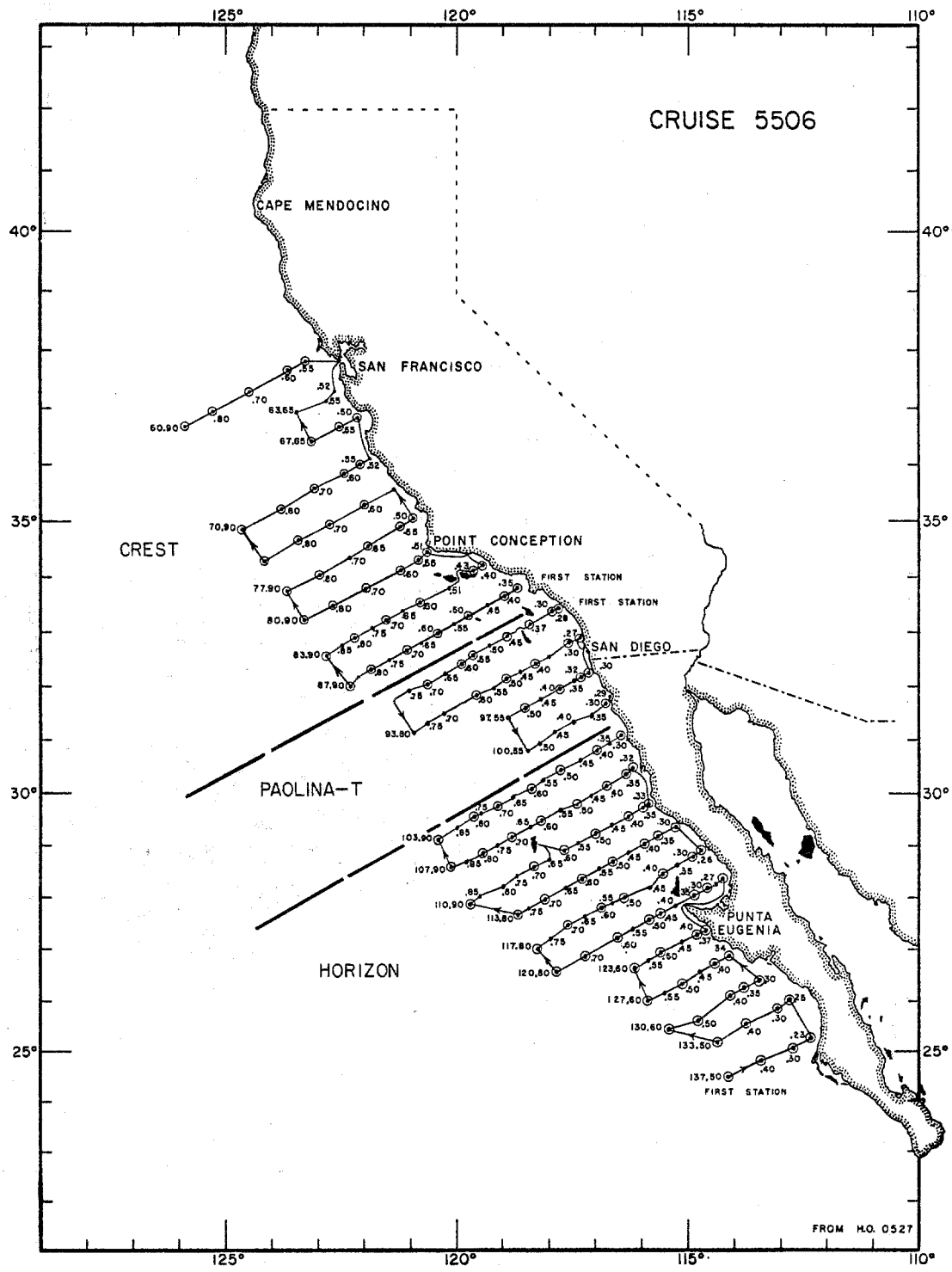

Figure 7. Station pattern for CalCOFI Cruise 5506. Symbols as in Figure 2.

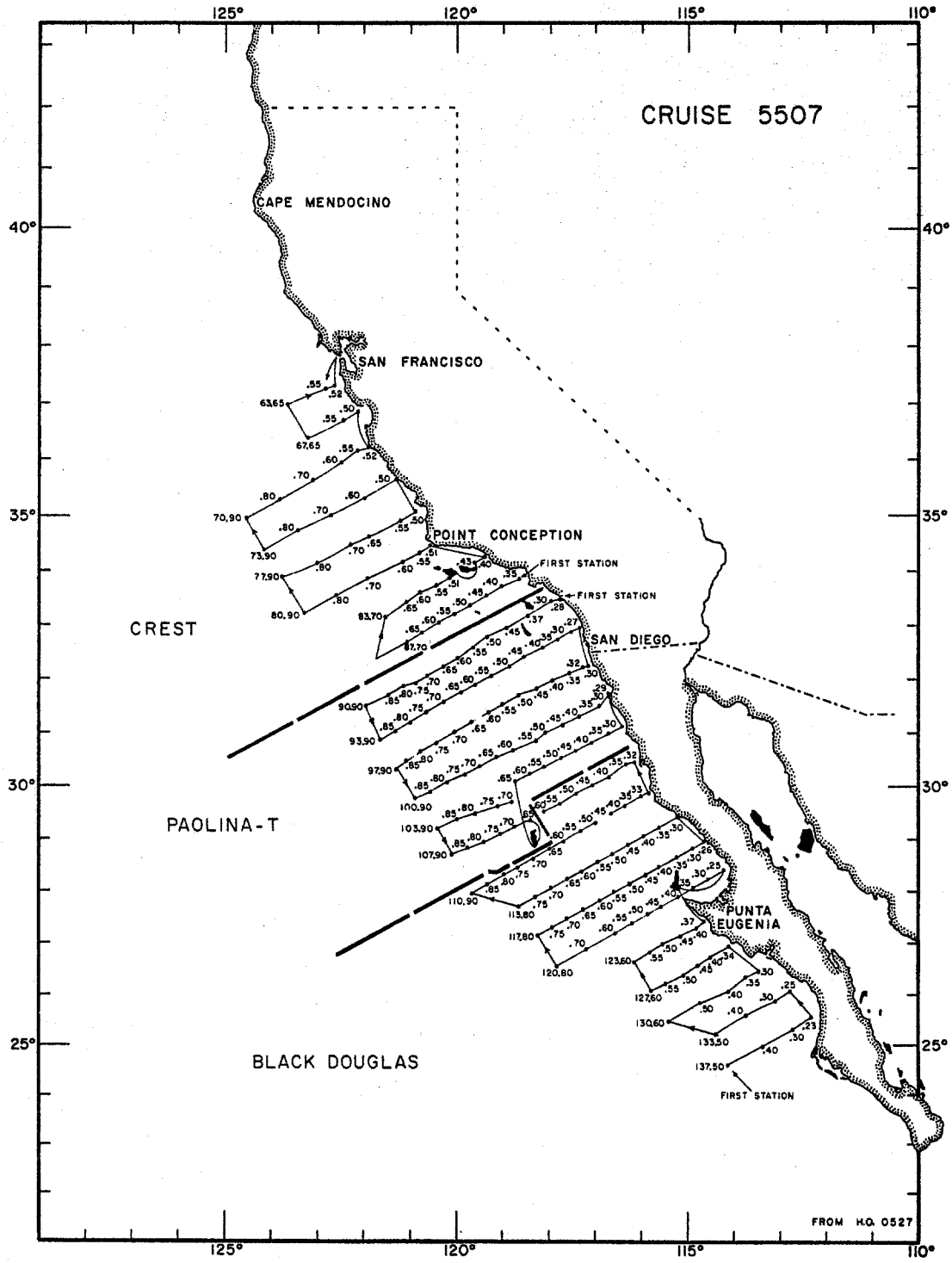

Figure 8. Station pattern for CalCOFI Cruise 5507. Symbols as in Figure 2.

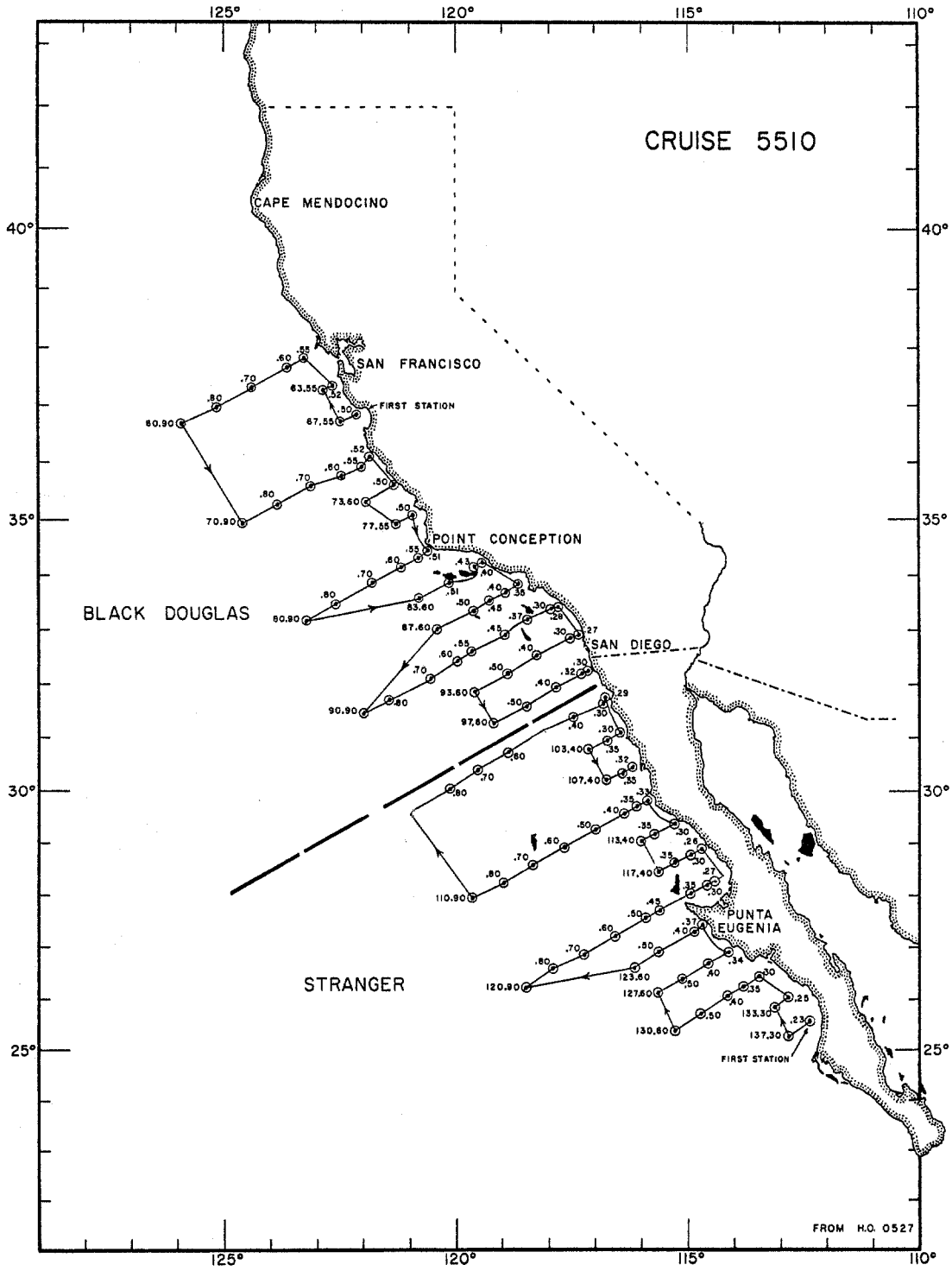

Figure 9. Station pattern for CalCOFI Cruise 5510. Symbols as in Figure 2.

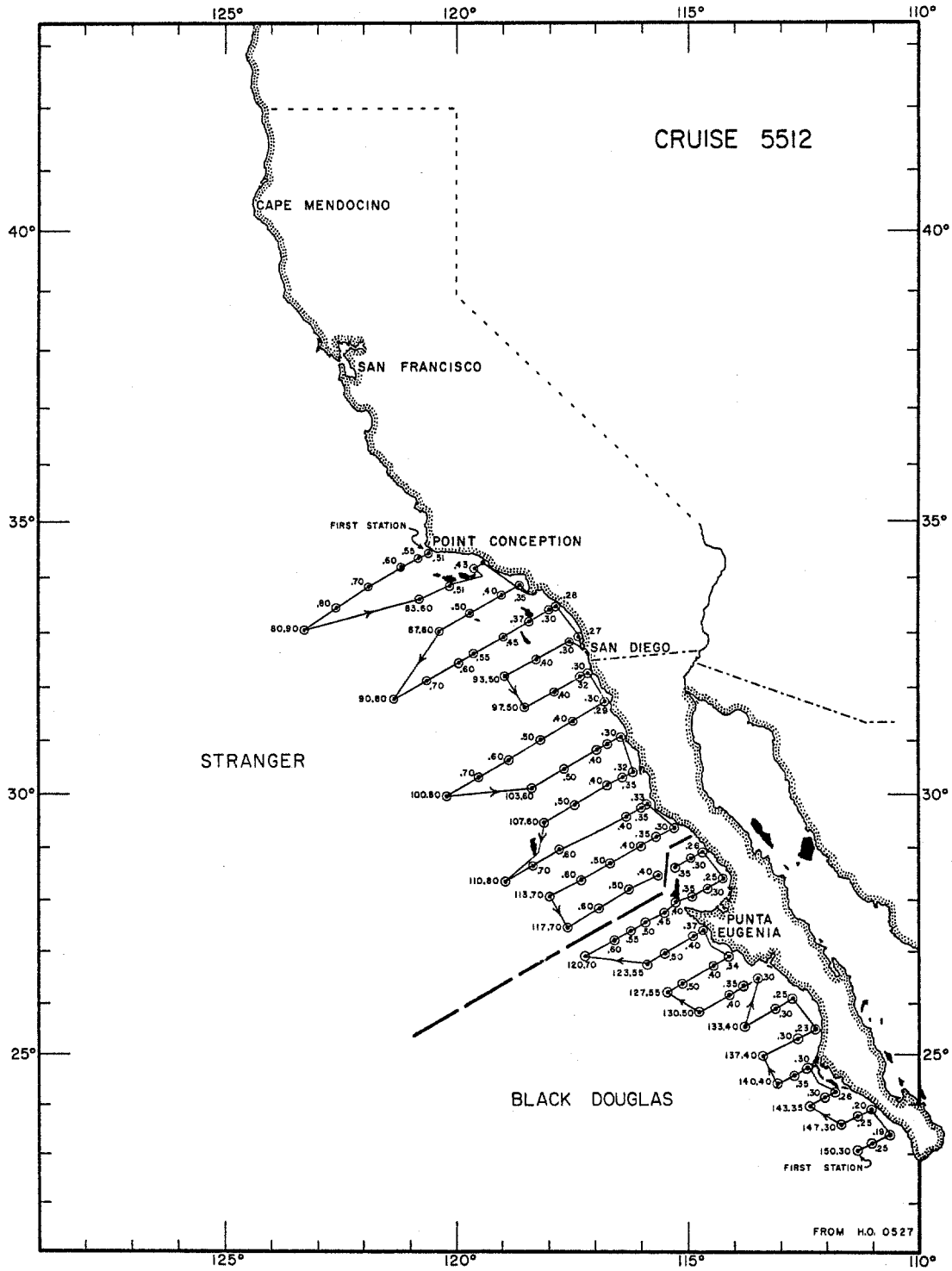

Figure 10. Station pattern for CalCOFI Cruise 5512. Symbols as in Figure 2.

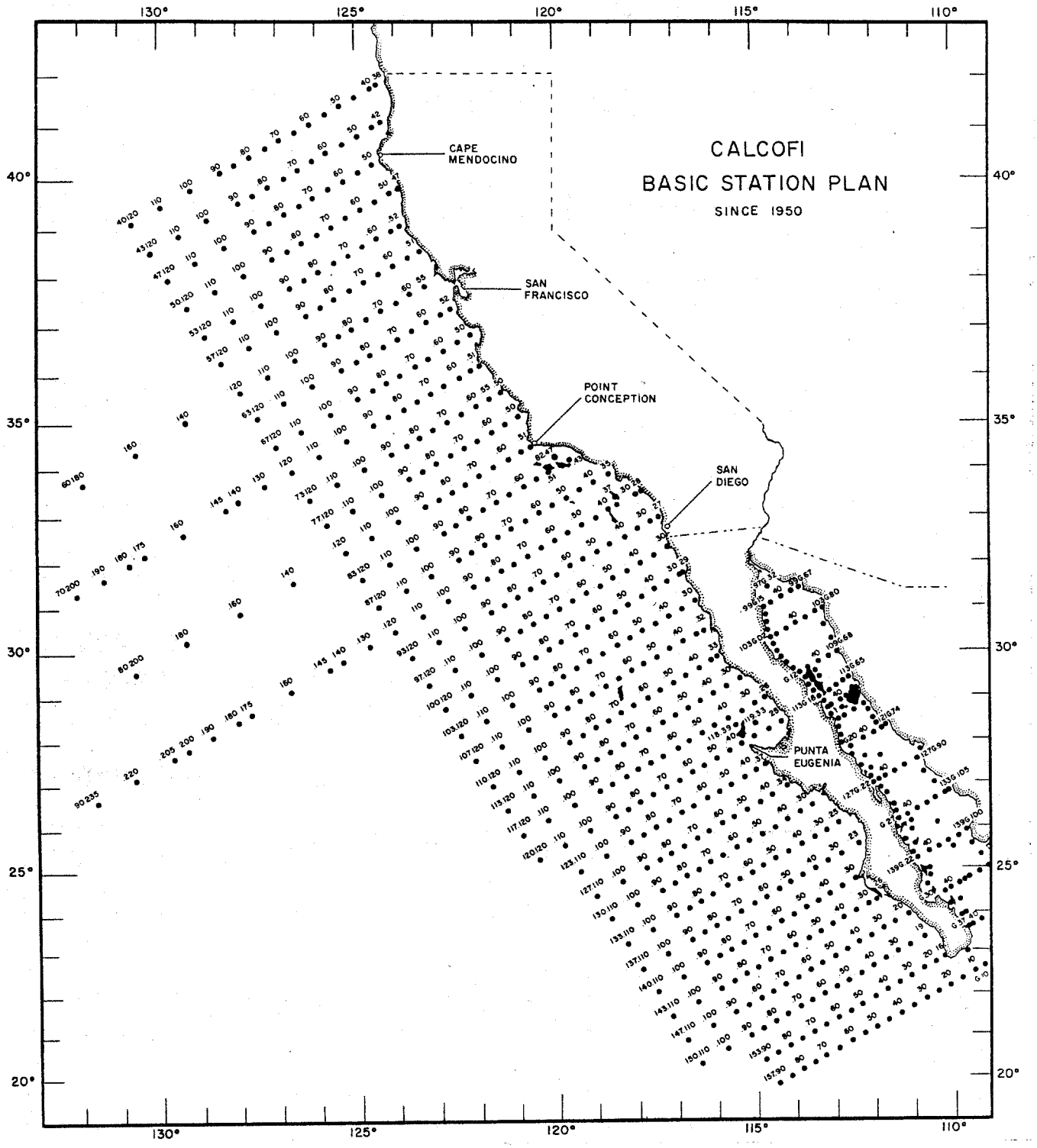

Figure 11. The basic station plan for CalCOFI cruises from 1950 to the present.

TABLE 1. Station and plankton tow data for CalCOFI cruises in 1955. Counts for fish eggs and larvae are not adjusted for standard haul factor or percent of sample sorted.

CalCOFI Cruise 5501

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	51.0	34	26.5	120	32.5	CR	55	01	13	1042	108	390	2.74	100.0	114	90
80.0	55.0	34	19.0	120	48.0	CR	55	01	13	1236	148	476	3.11	100.0	89	250
80.0	60.0	34	08.5	121	08.5	CR	55	01	13	1456	145	455	3.19	100.0	21	280
80.0	70.0	33	48.5	121	50.5	CR	55	01	13	1941	140	510	2.74	100.0	10	4
80.0	80.0	33	28.5	122	32.0	CR	55	01	14	0021	143	456	3.13	100.0	31	5
83.0	40.0	34	13.5	119	22.5	CR	55	01	14	2134	15	87	1.69	100.0	62	143
83.0	43.0	34	09.0	119	35.5	CR	55	01	14	1946	152	463	3.29	100.0	246	102
83.0	51.0	33	51.5	120	08.0	CR	55	01	14	1436	139	495	2.80	100.0	93	356
83.0	60.0	33	33.5	120	45.0	CR	55	01	14	1021	137	437	3.13	100.0	215	257
87.0	35.0	33	50.0	118	38.0	CR	55	01	15	0226	122	542	2.26	50.0	660	344
87.0	40.0	33	40.0	118	59.0	CR	55	01	15	0501	123	464	2.65	100.0	194	6244
87.0	50.0	33	20.0	119	41.0	CR	55	01	15	0938	78	269	2.89	100.0	476	569
87.0	60.0	32	59.0	120	21.0	CR	55	01	15	1351	145	380	3.83	100.0	323	1674
90.0	28.0	33	28.5	117	45.5	CR	55	01	16	1728	62	226	2.74	100.0	42	43
90.0	30.0	33	23.5	117	55.0	CR	55	01	16	1606	102	451	2.26	100.0	137	1797
90.0	37.0	33	10.0	118	23.0	CR	55	01	16	1211	145	465	3.12	100.0	157	2125
90.0	45.0	32	54.5	118	56.0	CR	55	01	16	0811	138	369	3.74	100.0	93	516
90.0	50.0	32	46.0	119	14.0	CR	55	01	16	0541	143	548	2.61	100.0	532	329
90.0	60.0	32	24.5	119	56.0	CR	55	01	16	0111	129	476	2.72	100.0	91	454
90.0	70.0	32	04.0	120	38.0	CR	55	01	15	2016	138	485	2.85	100.0	144	43
93.0	27.0	32	55.0	117	19.5	CR	55	01	16	2156	145	418	3.47	100.0	251	11
93.0	30.0	32	50.0	117	31.0	CR	55	01	19	1211	152	443	3.44	100.0	63	2292
93.0	40.0	32	30.5	118	11.0	CR	55	01	19	1816	138	468	2.95	100.0	153	1684
93.0	50.0	32	09.0	118	54.0	CR	55	01	19	2306	138	461	2.98	100.0	442	1622
97.0	30.0	32	15.0	117	08.0	CR	55	01	20	1434	29	154	1.86	100.0	354	19
97.0	32.0	32	11.5	117	17.0	CR	55	01	20	1306	129	499	2.59	100.0	150	211
97.0	40.0	31	56.0	117	55.5	CR	55	01	20	0816	141	412	3.43	100.0	134	301
97.0	50.0	31	36.0	118	36.0	CR	55	01	20	0336	139	431	3.23	12.5	39	953
100.0	29.0	31	42.0	116	43.5	CR	55	01	20	1846	136	468	2.91	100.0	274	467
100.0	30.0	31	40.0	116	49.0	CR	55	01	20	1946	139	472	2.94	100.0	273	465
100.0	40.0	31	21.0	117	27.0	CR	55	01	21	0031	131	443	2.96	100.0	59	127
100.0	50.0	31	00.0	118	06.0	CR	55	01	21	0516	141	447	3.16	100.0	28	17
100.0	60.0	30	41.0	118	47.0	CR	55	01	21	1011	147	422	3.49	100.0	3	6
100.0	70.0	30	20.0	119	27.0	CR	55	01	21	1521	134	480	2.78	100.0	8	37
100.0	80.0	30	01.0	120	06.5	CR	55	01	21	2006	154	440	3.49	100.0	7	28
103.0	30.0	31	03.5	116	25.5	CR	55	01	22	2118	48	217	2.21	100.0	201	82
103.0	35.0	30	55.0	116	45.0	CR	55	01	22	1851	135	469	2.89	100.0	577	268
103.0	40.0	30	45.0	117	08.0	CR	55	01	22	1556	134	465	2.87	50.0	781	389
103.0	50.0	30	28.5	117	44.5	CR	55	01	22	1056	153	433	3.53	25.0	5	2311
103.0	60.0	30	08.0	118	19.0	CR	55	01	22	0631	140	462	3.02	100.0	58	63
107.0	32.0	30	26.0	116	11.0	CR	55	01	23	0126	108	538	2.01	50.0	538	623
107.0	35.0	30	20.0	116	23.0	CR	55	01	23	0306	140	430	3.24	100.0	450	361
107.0	40.0	30	10.0	116	45.0	CR	55	01	23	0541	141	462	3.06	100.0	216	64
107.0	50.0	29	51.5	117	22.0	CR	55	01	23	1011	140	392	3.58	100.0	5	34

TABLE 1. (cont.)

CalCOFI Cruise 5501

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
107.0	60.0	29	31.5	118	02.0	CR	55	01	23	1441	141	483	2.93	100.0	2	4
110.0	33.0	29	49.0	115	52.0	CR	55	01	24	2308	77	290	2.67	25.0	121	1070
110.0	35.0	29	46.5	116	00.0	CR	55	01	24	2141	138	642	2.15	100.0	376	2154
110.0	40.0	29	36.5	116	19.5	CR	55	01	24	1841	136	478	2.85	100.0	6	10
110.0	50.0	29	17.0	116	58.5	CR	55	01	24	1351	141	503	2.80	100.0	5	2
110.0	60.0	28	56.5	117	38.5	CR	55	01	24	0921	142	490	2.91	100.0	4	14
110.0	70.0	28	37.5	118	16.0	CR	55	01	24	0441	134	497	2.70	100.0	15	2
110.0	80.0	28	17.0	118	56.0	CR	55	01	24	0001	146	472	3.10	100.0	8	2
113.0	30.0	29	22.5	115	17.5	CR	55	01	25	0354	38	168	2.26	100.0	476	67
113.0	35.0	29	12.0	115	39.0	CR	55	01	25	0611	136	468	2.90	12.5	66	4765
113.0	40.0	29	02.0	115	58.5	CR	55	01	25	0836	132	482	2.73	100.0	63	406
113.0	50.0	28	41.0	116	39.0	CR	55	01	25	1316	133	482	2.75	100.0	141	464
113.0	60.0	28	21.0	117	18.0	CR	55	01	25	1701	135	446	3.02	100.0	59	337
117.0	26.0	28	56.0	114	41.0	CR	55	01	27	0148	57	176	3.24	100.0	242	15
117.0	30.0	28	50.5	114	58.0	CR	55	01	27	0003	65	223	2.90	100.0	1543	155
117.0	35.0	28	39.0	115	17.0	CR	55	01	26	2116	138	433	3.17	100.0	2024	949
117.0	40.0	28	28.0	115	35.5	CR	55	01	26	1841	137	459	2.98	100.0	685	108
117.0	50.0	28	08.0	116	15.0	CR	55	01	26	0136	140	436	3.20	100.0	96	29
117.0	60.0	27	47.5	116	54.0	CR	55	01	25	2101	141	382	3.70	100.0	3	3
120.0	25.0	28	23.0	114	14.5	CR	55	01	27	0554	50	189	2.66	100.0	1163	338
120.0	30.0	28	13.0	114	35.0	CR	55	01	27	0802	89	285	3.13	50.0	375	84
120.0	35.0	28	03.0	114	54.0	CR	55	01	27	1028	76	260	2.92	100.0	286	263
120.0	40.0	27	53.0	115	14.0	CR	55	01	27	1909	37	161	2.32	100.0	237	1140
120.0	45.0	27	43.0	115	33.5	CR	55	01	27	2126	138	448	3.08	100.0	290	566
120.0	50.0	27	32.5	115	53.5	CR	55	01	27	2351	142	430	3.30	100.0	76	51
120.0	60.0	27	13.0	116	34.0	CR	55	01	28	0416	138	449	3.08	100.0	7	42
120.0	70.0	26	54.0	117	11.0	CR	55	01	28	0831	141	425	3.31	100.0	18	138
120.0	80.0	26	34.0	117	44.0	CR	55	01	28	1246	138	437	3.15	100.0	35	39
120.0	90.0	26	12.0	118	24.0	CR	55	01	28	1716	132	477	2.76	100.0	68	243
120.0	100.0	25	53.0	119	06.0	CR	55	01	28	2111	134	470	2.85	100.0	77	167
123.0	37.0	27	22.2	114	42.1	PT	55	01	28	0347	67	238	2.82	100.0	528	577
123.0	40.0	27	17.5	114	52.7	PT	55	01	28	0533	138	441	3.13	100.0	314	755
123.0	45.0	27	09.7	115	13.2	PT	55	01	28	0826	137	430	3.19	100.0	26	63
123.0	50.0	26	59.2	115	31.7	PT	55	01	28	1126	132	426	3.09	100.0	38	28
123.0	55.0	26	50.0	115	50.0	PT	55	01	28	1420	141	414	3.41	100.0	34	7
127.0	34.0	26	58.2	114	04.9	PT	55	01	27	1902	66	253	2.61	100.0	187	96
127.0	40.0	26	40.8	114	24.3	PT	55	01	27	1536	138	460	2.99	100.0	10	306
127.0	45.0	26	31.0	114	45.0	PT	55	01	27	1228	141	434	3.24	100.0	24	84
127.0	50.0	26	22.8	115	07.1	PT	55	01	27	0936	137	456	3.00	100.0	9	38
127.0	55.0	26	19.1	115	28.8	PT	55	01	27	0641	141	446	3.16	100.0	12	52
130.0	30.0	26	30.2	113	25.5	PT	55	01	26	0643	59	238	2.50	100.0	8	28
130.0	35.0	26	17.7	113	54.2	PT	55	01	26	1041	136	489	2.79	100.0	29	335
130.0	40.0	26	09.3	114	04.2	PT	55	01	26	1306	131	496	2.64	100.0	39	151
130.0	50.0	25	52.0	114	47.0	PT	55	01	26	1850	142	439	3.22	100.0	13	37
130.0	60.0	25	31.3	115	23.2	PT	55	01	27	0031	142	465	3.06	100.0	6	25

TABLE 1. (cont.)

CalCOFI Cruise 5501

Line	Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
133.0	25.0	26 06.2	112 45.5	PT	55 01 26	0035	59	238	2.47	100.0	19	27
133.0	30.0	25 55.5	113 06.2	PT	55 01 25	2108	126	480	2.62	100.0	17	43
133.0	40.0	25 35.0	113 46.0	PT	55 01 25	1526	139	423	3.30	100.0	2	692
137.0	23.0	25 33.2	112 20.0	PT	55 01 24	2353	60	220	2.73	100.0	29	448
137.0	30.0	25 18.5	112 46.5	PT	55 01 25	0404	138	454	3.04	100.0	40	140
137.0	40.0	25 01.4	113 24.2	PT	55 01 25	0941	133	486	2.74	100.0	4	827
140.0	30.0	24 43.4	112 23.5	PT	55 01 24	1646	88	259	3.39	100.0	123	71
140.0	35.0	24 37.0	112 41.2	PT	55 01 24	1341	139	431	3.23	25.0	530	6152
140.0	40.0	24 29.2	113 00.0	PT	55 01 24	1056	145	414	3.51	100.0	3	1252
143.0	26.0	24 18.7	111 48.5	PT	55 01 23	2254	38	164	2.33	100.0	10	14
143.0	30.0	24 11.7	112 03.6	PT	55 01 24	0116	140	465	3.00	100.0	15	257
143.0	35.0	24 02.3	112 23.3	PT	55 01 24	0438	147	453	3.24	100.0	7	14
147.0	20.0	23 57.0	111 02.7	PT	55 01 23	1511	98	289	3.39	100.0	243	162
147.0	25.0	23 47.7	111 22.2	PT	55 01 23	1216	115	391	2.93	100.0	162	471
147.0	30.0	23 26.0	111 34.9	PT	55 01 23	0543	25	150	1.64	100.0	4	10
150.0	19.0	23 25.3	110 39.5	PT	55 01 22	1636	144	435	3.31	100.0	176	1361
150.0	25.0	23 13.3	111 02.2	PT	55 01 22	2026	141	466	3.02	100.0	4	18
150.0	30.0	23 02.0	111 20.2	PT	55 01 22	2351	140	462	3.04	100.0	3	49
153.0	16.0	22 53.8	110 07.7	PT	55 01 22	0941	139	432	3.22	100.0	101	189
153.0	20.0	22 35.0	110 15.1	PT	55 01 22	0521	146	395	3.68	100.0	41	261
157.0	10.0	22 25.0	109 36.5	PT	55 01 21	0621	147	437	3.36	100.0	12	37
157.0	20.0	22 15.7	109 59.0	PT	55 01 21	0956	132	466	2.84	100.0	11	97
157.0	30.0	21 52.2	110 37.0	PT	55 01 21	1624	145	458	3.16	100.0	12	393

TABLE 1. (cont.)

CalCOFI Cruise 5502

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
80.0	55.0	34	19.0	120	43.0	PT	55	02	17	2351	142	441	3.23	50.0	209	401
80.0	60.0	34	08.0	121	01.0	PT	55	02	17	1921	115	513	2.25	25.0	31	405
80.0	70.0	33	54.3	121	42.3	PT	55	02	17	1411	132	494	2.66	100.0	43	146
80.0	80.0	33	35.0	122	23.0	PT	55	02	17	0726	138	482	2.86	100.0	143	41
83.0	40.0	34	13.0	119	22.7	PT	55	02	16	0234	27	119	2.31	100.0	200	1091
83.0	43.0	34	08.2	119	34.0	PT	55	02	16	0446	142	435	3.26	100.0	253	284
83.0	51.0	33	51.3	120	07.8	PT	55	02	16	1216	133	481	2.76	100.0	239	818
83.0	60.0	33	34.0	120	45.0	PT	55	02	16	1806	145	448	3.23	100.0	332	1051
87.0	35.0	33	49.5	118	38.0	PT	55	02	15	2016	137	451	3.04	100.0	347	1180
87.0	40.0	33	39.5	118	58.6	PT	55	02	15	1651	133	453	2.93	100.0	41	3075
87.0	50.0	33	20.0	119	40.0	PT	55	02	15	1113	68	239	2.85	100.0	242	1223
87.0	60.0	33	03.7	120	20.0	PT	55	02	15	0556	138	452	3.05	50.0	34	178
90.0	28.0	33	28.5	117	45.5	PT	55	02	13	1708	52	205	2.52	100.0	335	91
90.0	30.0	33	24.2	117	54.5	PT	55	02	13	1906	141	453	3.11	25.0	145	310
90.0	37.0	33	11.8	118	24.7	PT	55	02	13	2351	131	442	2.97	100.0	401	2060
90.0	45.0	32	54.2	118	58.7	PT	55	02	14	0506	143	459	3.12	100.0	96	584
90.0	60.0	32	22.2	119	58.2	PT	55	02	14	1506	133	454	2.94	100.0	114	1796
90.0	70.0	32	04.2	120	38.0	PT	55	02	14	2127	139	431	3.23	100.0	143	77
93.0	27.0	32	56.0	117	19.0	PT	55	02	13	1134	20	113	1.75	100.0	76	310
93.0	30.0	32	50.5	117	31.3	PT	55	02	13	0821	130	487	2.66	100.0	59	113
93.0	40.0	32	33.7	118	08.4	PT	55	02	13	0236	135	482	2.81	100.0	118	352
93.0	50.0	32	09.5	118	50.5	PT	55	02	12	1856	139	454	3.06	50.0	88	110
97.0	30.0	32	15.2	117	08.5	PT	55	02	11	1809	39	152	2.53	100.0	210	444
97.0	32.0	32	11.3	117	16.8	PT	55	02	11	2321	125	493	2.55	100.0	442	811
97.0	40.0	31	56.0	117	51.2	PT	55	02	12	0507	140	448	3.13	50.0	69	103
97.0	50.0	31	34.0	118	25.0	PT	55	02	12	1216	136	436	3.12	100.0	35	144
100.0	29.0	31	42.2	116	43.7	CR	55	02	10	2256	146	525	2.78	100.0	495	220
100.0	30.0	31	40.5	116	47.0	CR	55	02	11	0041	134	481	2.79	100.0	205	443
100.0	40.0	31	21.0	117	27.0	CR	55	02	11	0607	136	471	2.89	25.0	131	324
100.0	50.0	31	00.0	118	07.0	CR	55	02	11	1146	137	453	3.03	100.0	57	534
100.0	60.0	30	40.0	118	47.0	CR	55	02	11	1731	133	427	3.01	100.0	211	128
100.0	70.0	30	19.0	119	26.0	CR	55	02	11	2251	129	375	3.45	100.0	33	15
100.0	80.0	29	59.0	120	05.0	CR	55	02	12	0436	133	455	2.92	100.0	43	309
103.0	30.0	31	05.0	116	25.3	CR	55	02	13	0838	55	235	2.33	100.0	295	1704
103.0	35.0	30	57.0	116	45.5	CR	55	02	13	0536	139	427	3.26	50.0	278	1890
103.0	40.0	30	47.5	117	06.0	CR	55	02	13	0146	142	412	3.45	100.0	164	336
103.0	50.0	30	25.5	117	45.0	CR	55	02	12	2016	143	416	3.43	100.0	93	311
103.0	60.0	30	06.0	118	24.0	CR	55	02	12	1446	125	428	2.92	100.0	271	41
107.0	32.0	30	26.0	116	11.5	CR	55	02	13	1336	131	441	2.97	100.0	562	5340
107.0	35.0	30	20.2	116	23.0	CR	55	02	13	1601	140	426	3.29	50.0	346	792
107.0	40.0	30	10.0	116	43.5	CR	55	02	13	1901	138	414	3.33	100.0	61	4621
107.0	50.0	29	49.0	117	24.0	CR	55	02	14	0031	134	405	3.32	100.0	20	82
107.0	60.0	29	29.0	118	03.0	CR	55	02	14	0656	133	446	2.98	100.0	6	29
110.0	33.0	29	50.5	115	53.0	CR	55	02	15	2153	70	236	2.95	25.0	738	36
110.0	35.0	29	46.0	116	00.0	CR	55	02	15	2021	141	440	3.21	50.0	791	625

TABLE 1. (cont.)

CalCOFI Cruise 5502

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
110.0	40.0	29 36.5	116 19.5	CR	55 02 15	1656	138	426	3.25	100.0	702	439
110.0	50.0	29 18.0	117 00.0	CR	55 02 15	1116	141	430	3.28	100.0	34	11
110.0	60.0	28 56.0	117 39.0	CR	55 02 15	0531	141	461	3.05	100.0	129	223
110.0	70.0	28 36.5	118 19.0	CR	55 02 14	2316	137	489	2.80	100.0	17	67
110.0	80.0	28 16.5	118 57.3	CR	55 02 14	1741	138	412	3.36	100.0	97	100
113.0	30.0	29 22.5	115 17.5	CR	55 02 16	0308	45	173	2.60	50.0	566	3
113.0	35.0	29 12.0	115 39.0	CR	55 02 16	0621	141	445	3.16	100.0	1615	702
113.0	40.0	29 01.5	115 59.0	CR	55 02 16	0951	139	466	2.97	100.0	414	383
113.0	45.0	28 51.0	116 17.5	CR	55 02 16	1311	137	447	3.06	100.0	1555	182
113.0	50.0	28 40.0	116 38.0	CR	55 02 16	1626	151	408	3.70	100.0	270	525
113.0	55.0	28 30.0	116 57.0	CR	55 02 16	1951	144	431	3.35	100.0	20	13
113.0	60.0	28 21.0	117 15.0	CR	55 02 16	2341	143	428	3.35	100.0	15	28
113.0	70.0	28 00.0	117 56.0	CR	55 02 17	0511	138	450	3.06	100.0	97	452
117.0	26.0	28 55.8	114 40.9	CR	55 02 18	1157	56	193	2.88	100.0	73	32
117.0	30.0	28 48.2	114 56.7	CR	55 02 18	0943	95	280	3.37	100.0	373	512
117.0	35.0	28 38.0	115 16.0	CR	55 02 18	0651	140	418	3.35	100.0	1027	1057
117.0	40.0	28 28.0	115 35.5	CR	55 02 18	0356	154	384	4.00	100.0	176	409
117.0	45.0	28 18.5	115 55.0	CR	55 02 18	0046	144	416	3.46	100.0	254	1657
117.0	50.0	28 09.0	116 15.5	CR	55 02 17	2136	137	435	3.14	100.0	194	68
117.0	55.0	27 58.0	116 36.0	CR	55 02 17	1816	145	427	3.40	100.0	22	81
117.0	60.0	27 47.5	116 55.0	CR	55 02 17	1521	147	443	3.32	100.0	17	44
117.0	70.0	27 27.5	117 33.0	CR	55 02 17	1021	153	416	3.67	100.0	11	113
120.0	25.0	28 23.0	114 15.0	CR	55 02 18	1613	43	147	2.91	100.0	398	599
120.0	30.0	28 13.0	114 34.0	CR	55 02 18	1923	72	210	3.41	100.0	205	574
120.0	35.0	28 03.0	114 55.0	CR	55 02 18	2238	70	228	3.05	50.0	131	6
120.0	40.0	27 54.1	115 18.0	SB	55 02 23	1148	69	258	2.67	50.0	95	21
120.0	45.0	27 44.4	115 37.0	SB	55 02 23	0636	118	529	2.23	100.0	27	678
120.0	50.0	27 34.5	115 48.9	SB	55 02 23	0326	159	442	3.60	100.0	19	122
120.0	55.0	27 23.8	116 12.2	SB	55 02 22	2316	159	435	3.65	100.0	5	87
120.0	60.0	27 14.8	116 30.5	SB	55 02 22	1956	133	493	2.70	100.0	57	96
120.0	70.0	26 55.2	117 09.0	SB	55 02 22	1501	143	467	3.07	100.0	66	324
120.0	80.0	26 38.4	117 48.5	SB	55 02 22	0936	125	528	2.37	100.0	32	111
120.0	90.0	26 14.0	118 32.2	SB	55 02 22	0356	123	553	2.22	100.0	10	188
120.0	100.0	25 57.0	119 06.0	SB	55 02 21	2251	135	482	2.80	100.0	28	106
123.0	37.0	27 24.6	114 40.3	SB	55 02 20	1618	56	337	1.67	100.0	99	6
123.0	40.0	27 18.4	114 52.1	SB	55 02 20	1816	123	544	2.26	100.0	94	403
123.0	45.0	27 07.8	115 13.8	SB	55 02 20	2146	142	447	3.18	100.0	38	406
123.0	50.0	26 55.5	115 33.5	SB	55 02 21	0102	148	435	3.40	100.0	44	82
123.0	55.0	26 45.0	115 51.6	SB	55 02 21	0406	108	548	1.98	100.0	80	172
127.0	34.0	26 55.4	114 06.5	SB	55 02 20	1048	57	314	1.83	100.0	34	358
127.0	40.0	26 56.5	114 40.4	SB	55 02 20	0626	120	538	2.22	100.0	95	87
127.0	45.0	26 42.5	114 58.2	SB	55 02 20	0216	132	521	2.54	50.0	254	70
127.0	50.0	26 32.5	115 11.5	SB	55 02 19	2311	140	492	2.85	100.0	205	169
127.0	55.0	26 20.0	115 28.0	SB	55 02 19	1926	118	538	2.20	100.0	103	60
130.0	30.0	26 29.5	113 32.0	SB	55 02 18	1843	52	267	1.95	100.0	18	26

TABLE 1. (cont.)

CalCOFI Cruise 5502

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	35.0	26	19.8	113	50.1	SB	55	02	18	2126	138	463	2.98	100.0	52	654
130.0	40.0	26	07.0	114	12.0	SB	55	02	19	0106	150	479	3.13	100.0	103	404
130.0	50.0	25	45.0	114	52.9	SB	55	02	19	0748	134	500	2.68	100.0	33	39
130.0	60.0	25	27.5	115	26.0	SB	55	02	19	1246	150	465	3.23	100.0	7	25
133.0	30.0	25	51.0	113	14.6	SB	55	02	18	0757	86	446	1.94	100.0	11	4
133.0	40.0	25	38.0	113	50.2	SB	55	02	18	1156	141	461	3.06	50.0	89	501
137.0	23.0	25	34.6	112	19.2	SB	55	02	17	2358	71	264	2.71	100.0	11	1
137.0	30.0	25	19.5	112	45.0	SB	55	02	17	2001	139	471	2.96	50.0	14	106
137.0	40.0	24	56.7	113	23.8	SB	55	02	17	0746	139	481	2.89	100.0	10	48
140.0	30.0	24	45.2	112	25.0	SB	55	02	16	2027	105	389	2.71	100.0	226	2
140.0	35.0	24	34.8	112	44.0	SB	55	02	16	2306	135	482	2.79	100.0	84	46
140.0	40.0	24	23.0	113	02.9	SB	55	02	17	0241	145	468	3.11	100.0	22	64
143.0	26.0	24	19.5	111	49.6	SB	55	02	15	2028	67	266	2.53	100.0	589	51
143.0	30.0	24	11.9	112	04.5	SB	55	02	15	1801	123	513	2.40	100.0	514	61
143.0	35.0	24	00.8	112	22.9	SB	55	02	15	1421	150	447	3.37	100.0	10	49
147.0	20.0	23	59.9	111	05.7	SB	55	02	15	0241	140	505	2.78	100.0	156	25
147.0	25.0	23	46.1	111	27.4	SB	55	02	15	0456	130	474	2.73	100.0	139	133
147.0	30.0	23	33.5	111	40.3	SB	55	02	15	0756	147	462	3.19	100.0	12	880
150.0	19.0	23	24.0	110	39.0	SB	55	02	14	2026	140	471	2.97	100.0	16	9
150.0	25.0	23	11.8	111	01.7	SB	55	02	14	1626	124	529	2.34	100.0	18	1
150.0	30.0	23	02.2	111	20.3	SB	55	02	14	1256	144	473	3.04	100.0	8	13
153.0	16.0	22	55.0	110	07.0	SB	55	02	13	2106	142	502	2.83	100.0	58	64
153.0	20.0	22	47.3	110	21.8	SB	55	02	14	0046	145	495	2.92	100.0	62	99
153.0	30.0	22	22.0	110	59.3	SB	55	02	14	0626	123	506	2.44	100.0	7	117
157.0	10.0	22	39.0	109	18.2	SB	55	02	13	1436	148	499	2.96	100.0	204	46
157.0	20.0	22	21.1	109	56.4	SB	55	02	13	0956	114	611	1.86	100.0	55	665
157.0	30.0	21	53.2	110	41.0	SB	55	02	13	0246	139	510	2.73	100.0	124	122

TABLE 1. (cont.)

CalCOFI Cruise 5503

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
80.0	51.0	34	26.0	120	32.0	BD	55	03	16	2236	105	674	1.56	100.0	133	45
80.0	55.0	34	19.0	120	48.0	BD	55	03	16	2016	169	386	4.36	50.0	22	86
80.0	60.0	34	09.0	121	09.0	BD	55	03	16	1706	129	545	2.37	100.0	13	156
80.0	70.0	33	49.0	121	51.0	BD	55	03	16	1230	137	538	2.54	50.0	47	84
80.0	80.0	33	29.0	122	32.0	BD	55	03	16	0736	143	501	2.85	100.0	44	8
83.0	40.0	34	14.0	119	22.0	BD	55	03	15	0839	18	148	1.25	100.0	152	913
83.0	43.0	34	08.0	119	34.0	BD	55	03	15	1006	149	441	3.39	100.0	77	74
83.0	51.0	33	52.0	120	08.3	BD	55	03	15	1451	145	480	3.02	100.0	43	599
83.0	60.0	33	34.0	120	45.0	BD	55	03	15	1936	138	506	2.73	100.0	124	467
87.0	35.0	33	50.0	118	37.5	BD	55	03	15	0321	130	549	2.37	100.0	515	125
87.0	40.0	33	40.0	118	58.5	BD	55	03	15	0046	139	477	2.92	100.0	138	959
87.0	50.0	33	20.0	119	39.5	BD	55	03	14	1326	76	319	2.39	100.0	7	18
90.0	28.0	33	28.5	117	46.7	BD	55	03	11	0258	47	255	1.84	100.0	682	1645
90.0	30.0	33	24.0	117	55.0	BD	55	03	11	0426	135	495	2.73	100.0	15	325
90.0	37.0	33	11.0	118	23.0	BD	55	03	11	0821	128	509	2.52	100.0	39	994
90.0	45.0	32	54.5	118	56.0	BD	55	03	11	1231	142	486	2.92	100.0	26	680
90.0	50.0	32	44.6	119	16.7	BD	55	03	11	1510	136	475	2.87	100.0	26	74
90.0	60.0	32	25.0	119	57.0	BD	55	03	11	2021	138	473	2.91	50.0	51	447
90.0	70.0	32	04.0	120	39.0	BD	55	03	12	0141	139	476	2.91	50.0	22	281
90.0	80.0	31	45.0	121	19.0	BD	55	03	12	0736	142	459	3.10	100.0	15	154
90.0	90.0	31	25.0	121	59.0	BD	55	03	12	1244	141	460	3.07	100.0	15	12
93.0	27.0	32	56.0	117	19.0	BD	55	03	10	2235	32	186	1.75	100.0	474	675
93.0	30.0	32	50.0	117	31.0	BD	55	03	10	2046	142	492	2.88	100.0	236	462
93.0	40.0	32	30.0	118	12.5	BD	55	03	10	1541	130	482	2.69	100.0	332	228
93.0	50.0	32	10.0	118	53.0	BD	55	03	10	1111	147	445	3.31	100.0	5	133
93.0	60.0	31	50.0	119	34.0	BD	55	03	10	0523	136	510	2.68	100.0	53	183
93.0	70.0	31	29.0	120	14.0	BD	55	03	09	2351	154	447	3.45	100.0	53	358
97.0	30.0	32	15.0	117	08.0	BD	55	03	08	2053	46	288	1.60	100.0	211	452
97.0	32.0	32	11.0	117	17.0	BD	55	03	08	2221	148	484	3.06	100.0	990	477
97.0	40.0	31	56.0	117	50.0	BD	55	03	09	0226	125	558	2.24	100.0	148	163
97.0	50.0	31	35.0	118	31.0	BD	55	03	09	0746	127	555	2.29	100.0	26	248
97.0	60.0	31	15.0	119	11.0	BD	55	03	09	1219	134	506	2.64	100.0	27	163
97.0	70.0	30	55.0	119	51.0	BD	55	03	09	1811	132	560	2.35	100.0	17	262
100.0	29.0	31	42.0	116	43.5	CR	55	03	08	1956	72	474	1.52	50.0	709	76
100.0	30.0	31	40.0	116	47.5	CR	55	03	08	2046	126	456	2.75	100.0	311	104
100.0	40.0	31	21.0	117	26.5	CR	55	03	09	0106	121	462	2.62	100.0	181	287
100.0	50.0	31	01.0	118	07.0	CR	55	03	09	0536	127	422	3.00	100.0	78	534
100.0	60.0	30	38.5	118	42.0	CR	55	03	10	1106	149	434	3.44	100.0	41	211
100.0	70.0	30	21.5	119	26.0	CR	55	03	10	1610	132	455	2.90	100.0	58	642
100.0	80.0	30	02.0	120	03.5	CR	55	03	10	2116	144	417	3.46	100.0	83	933
100.0	90.0	29	41.5	120	40.5	CR	55	03	11	0246	148	434	3.40	100.0	1614	474
103.0	30.0	31	04.0	116	25.0	CR	55	03	12	0831	58	261	2.21	100.0	218	202
103.0	35.0	30	54.0	116	47.5	CR	55	03	12	0509	141	426	3.30	100.0	290	485
103.0	40.0	30	44.5	117	08.0	CR	55	03	12	0236	136	456	2.99	100.0	48	239
103.0	50.0	30	25.0	117	45.5	CR	55	03	11	2146	143	427	3.35	100.0	153	9

TABLE 1. (cont.)

CalCOFI Cruise 5503

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	60.0	30	05.6	118	23.5	CR	55	03	11	1641	126	460	2.74	100.0	9	42
103.0	70.0	29	43.5	119	03.0	CR	55	03	11	1136	124	507	2.44	100.0	79	58
107.0	32.0	30	25.0	116	11.0	CR	55	03	12	1326	139	420	3.36	100.0	134	369
107.0	35.0	30	20.0	116	23.0	CR	55	03	12	1416	147	426	3.45	100.0	217	487
107.0	40.0	30	07.5	116	42.0	CR	55	03	12	1806	131	450	2.91	100.0	20	33
107.0	50.0	29	50.0	117	23.5	CR	55	03	12	2326	146	422	3.47	100.0	159	19
107.0	60.0	29	27.5	118	03.0	CR	55	03	13	0500	141	442	3.20	100.0	107	59
107.0	70.0	29	11.0	118	43.0	CR	55	03	14	0011	131	497	2.65	100.0	175	81
110.0	33.0	29	49.0	115	52.0	CR	55	03	16	1008	62	253	2.47	100.0	353	359
110.0	35.0	29	46.0	116	00.0	CR	55	03	16	0826	138	452	3.05	50.0	305	808
110.0	40.0	29	39.0	116	21.5	CR	55	03	16	0526	143	443	3.22	100.0	109	37
110.0	50.0	29	18.0	117	00.0	CR	55	03	15	2351	132	471	2.80	100.0	63	129
110.0	60.0	28	56.0	117	37.5	CR	55	03	15	1834	147	436	3.38	100.0	51	18
110.0	70.0	28	37.0	118	18.0	CR	55	03	14	2256	146	446	3.27	100.0	16	34
110.0	80.0	28	16.5	118	57.5	CR	55	03	14	1548	133	452	2.95	100.0	178	47
110.0	90.0	27	57.5	119	32.0	CR	55	03	14	1016	140	405	3.46	100.0	107	59
113.0	30.0	29	23.0	115	17.5	CR	55	03	16	1939	37	124	2.98	100.0	52	2
113.0	35.0	29	12.0	115	39.0	CR	55	03	16	2301	123	508	2.42	100.0	581	1517
113.0	40.0	29	02.0	115	58.5	CR	55	03	17	0226	140	444	3.15	25.0	112	465
113.0	45.0	28	52.0	116	18.0	CR	55	03	17	0616	140	432	3.23	100.0	346	120
113.0	50.0	28	40.0	116	36.0	CR	55	03	17	0946	138	442	3.13	100.0	144	118
113.0	55.0	28	31.5	116	56.5	CR	55	03	17	1416	143	438	3.28	100.0	205	1146
113.0	60.0	28	22.0	117	15.0	CR	55	03	17	1704	145	418	3.46	100.0	34	12
113.0	70.0	28	02.0	117	55.0	CR	55	03	17	2126	162	417	3.88	100.0	34	30
117.0	26.0	28	55.0	114	40.0	CR	55	03	19	1819	70	214	3.27	100.0	222	166
117.0	30.0	28	48.0	114	56.0	CR	55	03	19	1623	88	282	3.14	100.0	611	1184
117.0	35.0	28	38.0	115	15.5	CR	55	03	19	1326	149	413	3.61	100.0	85	388
117.0	40.0	28	28.0	115	35.5	CR	55	03	19	1021	136	405	3.36	100.0	236	316
117.0	45.0	28	18.0	115	55.0	CR	55	03	18	1626	135	418	3.23	100.0	635	490
117.0	50.0	28	07.5	116	16.0	CR	55	03	18	1326	133	432	3.08	100.0	121	351
117.0	55.0	27	58.0	116	33.0	CR	55	03	18	1031	128	463	2.76	100.0	307	324
117.0	60.0	27	48.0	116	53.0	CR	55	03	18	0736	143	372	3.84	100.0	166	109
117.0	70.0	27	27.5	117	33.0	CR	55	03	18	0226	143	440	3.24	100.0	16	121
120.0	25.0	28	23.5	114	16.0	CR	55	03	19	2259	52	164	3.16	50.0	13	156
120.0	30.0	28	14.0	114	35.0	CR	55	03	20	0128	73	230	3.19	100.0	319	894
120.0	35.0	28	03.0	114	54.0	CR	55	03	20	0425	65	185	3.49	100.0	14	573
120.0	40.0	27	56.5	115	20.0	CR	55	03	20	0726	63	232	2.71	100.0	40	101
120.0	45.0	27	44.0	115	34.0	CR	55	03	20	0936	132	436	3.03	100.0	40	135
120.0	50.0	27	32.5	115	52.5	CR	55	03	20	1226	127	458	2.78	100.0	65	93
120.0	55.0	27	20.5	116	07.8	HO	55	03	20	1711	141	466	3.03	100.0	260	357
120.0	60.0	27	11.5	116	28.0	HO	55	03	20	1446	135	465	2.91	100.0	50	295
120.0	70.0	26	52.5	117	10.0	HO	55	03	20	1011	140	468	2.98	100.0	93	312
120.0	80.0	26	32.0	117	53.5	HO	55	03	20	0536	146	462	3.16	100.0	46	174
120.0	90.0	26	13.0	118	30.4	HO	55	03	20	0116	145	456	3.18	100.0	54	278
120.0	100.0	25	53.0	119	06.5	HO	55	03	19	2111	134	475	2.82	100.0	82	100

TABLE 1. (cont.)

CalCOFI Cruise 5503

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
123.0	37.0	27	24.0	114	39.7	HO	55	03	18	1848	61	301	2.02	100.0	111	33
123.0	40.0	27	18.0	114	51.5	HO	55	03	18	2026	129	378	3.41	100.0	95	221
123.0	45.0	27	05.6	115	14.2	HO	55	03	18	2246	132	449	2.94	100.0	94	552
123.0	50.0	26	54.2	115	34.9	HO	55	03	19	0111	103	580	1.77	100.0	93	254
123.0	55.0	26	43.2	115	56.1	HO	55	03	19	0341	130	483	2.68	100.0	200	124
123.0	60.0	26	34.3	116	14.1	HO	55	03	19	0616	129	481	2.69	100.0	266	164
127.0	34.0	26	55.0	114	06.8	HO	55	03	18	1433	72	275	2.63	100.0	8	251
127.0	40.0	26	41.8	114	30.0	HO	55	03	18	1146	124	530	2.35	100.0	195	189
127.0	45.0	26	32.0	114	51.0	HO	55	03	18	0906	137	503	2.73	100.0	13	47
127.0	50.0	26	23.5	115	10.0	HO	55	03	18	0636	158	415	3.80	100.0	35	41
127.0	55.0	26	17.0	115	20.5	HO	55	03	18	0451	141	499	2.82	100.0	148	142
127.0	60.0	26	05.3	115	40.0	HO	55	03	18	0211	139	497	2.79	100.0	96	73
130.0	30.0	26	30.0	113	27.7	HO	55	03	17	0703	68	231	2.97	100.0	14	0
130.0	35.0	26	17.5	113	44.6	HO	55	03	17	1051	141	490	2.87	100.0	203	2092
130.0	40.0	26	10.5	114	08.2	HO	55	03	17	1326	136	484	2.80	100.0	82	839
130.0	50.0	25	52.0	114	47.0	HO	55	03	17	1756	137	517	2.66	100.0	39	169
130.0	60.0	25	31.5	115	20.0	HO	55	03	17	2156	148	445	3.32	100.0	118	60
133.0	25.0	25	59.6	112	49.4	HO	55	03	17	0138	66	363	1.83	100.0	36	10
133.0	30.0	25	50.0	113	09.0	HO	55	03	16	2306	120	464	2.59	100.0	166	227
133.0	40.0	25	29.1	113	50.1	HO	55	03	16	1806	131	520	2.52	100.0	180	164
133.0	50.0	25	13.5	114	26.0	HO	55	03	16	1356	137	500	2.73	100.0	74	639
133.0	60.0	24	59.0	115	05.5	HO	55	03	16	0916	96	681	1.41	100.0	26	170
137.0	23.0	25	32.2	112	19.0	HO	55	03	15	1143	73	303	2.42	100.0	0	12
137.0	30.0	25	20.5	112	45.0	HO	55	03	15	1446	117	534	2.18	100.0	30	11
137.0	40.0	24	59.0	113	25.9	HO	55	03	15	1831	139	498	2.79	100.0	50	96
137.0	50.0	24	39.5	114	03.6	HO	55	03	15	2326	143	485	2.95	100.0	79	1277
137.0	60.0	24	16.5	114	40.2	HO	55	03	16	0410	148	461	3.21	100.0	36	618
140.0	30.0	24	45.4	112	24.5	HO	55	03	15	0637	79	332	2.38	50.0	3	4
140.0	35.0	24	32.5	112	45.5	HO	55	03	15	0346	124	488	2.55	100.0	30	110
140.0	40.0	24	25.5	113	02.0	HO	55	03	15	0121	118	519	2.28	100.0	38	95
140.0	50.0	24	05.0	113	39.5	HO	55	03	14	2046	132	451	2.92	100.0	103	35
143.0	26.0	24	19.0	111	46.9	HO	55	03	14	0348	52	181	2.89	100.0	198	0
143.0	30.0	24	11.0	112	03.0	HO	55	03	14	0616	142	462	3.08	100.0	36	7
143.0	35.0	24	01.0	112	21.0	HO	55	03	14	0851	136	455	2.98	100.0	27	282
143.0	40.0	23	50.5	112	41.1	HO	55	03	14	1116	121	503	2.40	100.0	7	24
143.0	50.0	23	30.0	113	18.0	HO	55	03	14	1536	116	532	2.18	100.0	6	8
147.0	20.0	23	56.7	111	04.3	HO	55	03	13	2231	122	486	2.51	100.0	24	11
147.0	25.0	23	46.0	111	22.5	HO	55	03	13	2005	114	588	1.94	100.0	62	115
147.0	30.0	23	38.5	111	39.0	HO	55	03	13	1756	102	545	1.87	100.0	47	1136
147.0	40.0	23	16.5	112	18.0	HO	55	03	13	1216	101	609	1.66	100.0	4	96
150.0	19.0	23	23.7	110	39.0	HO	55	03	12	2016	144	450	3.20	100.0	64	10
150.0	25.0	23	11.5	110	58.9	HO	55	03	13	0026	122	518	2.36	100.0	48	64
150.0	30.0	23	01.9	111	19.9	HO	55	03	13	0256	110	573	1.92	100.0	80	46
150.0	40.0	22	41.4	111	59.8	HO	55	03	13	0736	124	503	2.46	100.0	34	11
153.0	16.0	22	54.2	110	04.2	HO	55	03	12	1412	90	409	2.19	100.0	4	85

TABLE 1. (cont.)

CalCOFI Cruise 5503

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
153.0	20.0	22	45.0	110	21.5	HO	55	03	12	1201	120	547	2.20	100.0	3	615
153.0	30.0	22	27.0	110	59.0	HO	55	03	12	0708	120	541	2.22	100.0	31	34
153.0	40.0	22	03.5	111	36.0	HO	55	03	12	0216	149	460	3.23	100.0	141	137
157.0	10.0	22	35.0	109	17.9	HO	55	03	11	0646	138	428	3.22	100.0	164	139
157.0	20.0	22	17.5	109	57.0	HO	55	03	11	1126	138	459	3.00	100.0	12	18
157.0	30.0	21	56.0	110	34.5	HO	55	03	11	1616	142	462	3.07	100.0	7	146
157.0	40.0	21	34.2	111	15.1	HO	55	03	11	2101	111	529	2.09	100.0	199	1011

TABLE 1. (cont.)

CalCOFI Cruise 5504

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	51.0	34	25.7	120	32.5	CR	55	04	07	1606	109	322	3.40	100.0	14	5
80.0	55.0	34	18.2	120	46.6	CR	55	04	07	1931	144	439	3.28	50.0	22	6
80.0	60.0	34	08.8	121	08.8	CR	55	04	07	2332	137	448	3.06	50.0	122	56
80.0	70.0	34	47.5	121	49.4	CR	55	04	08	0551	130	434	3.00	25.0	10	73
80.0	80.0	33	26.5	122	31.0	CR	55	04	08	1240	134	478	2.79	100.0	27	33
80.0	90.0	33	06.8	123	09.6	CR	55	04	08	1931	133	500	2.67	100.0	10	14
83.0	43.0	34	06.5	119	33.7	CR	55	04	10	1026	119	478	2.49	100.0	58	26
83.0	51.0	33	51.7	120	07.8	CR	55	04	10	0418	69	240	2.89	50.0	31	17
83.0	60.0	33	33.5	120	44.0	CR	55	04	09	2206	138	455	3.03	25.0	36	47
83.0	70.0	33	13.7	121	25.5	CR	55	04	09	1511	133	486	2.74	100.0	24	207
83.0	80.0	32	54.0	122	12.6	CR	55	04	09	0756	138	465	2.97	100.0	6	46
83.0	90.0	32	36.0	122	47.6	CR	55	04	09	0126	125	482	2.60	50.0	4	8
87.0	35.0	33	50.3	118	37.7	CR	55	04	10	1826	131	468	2.80	100.0	307	228
87.0	40.0	33	39.5	118	58.0	CR	55	04	10	2236	127	536	2.36	100.0	109	220
87.0	50.0	33	20.0	119	40.0	CR	55	04	11	0438	56	233	2.39	100.0	339	32
87.0	60.0	33	02.5	120	18.3	CR	55	04	12	1546	132	488	2.69	100.0	161	1356
87.0	70.0	32	40.0	121	00.0	CR	55	04	12	2211	134	441	3.03	50.0	27	95
87.0	80.0	32	19.5	121	42.0	CR	55	04	13	0401	143	461	3.10	100.0	4	459
87.0	90.0	32	00.0	122	22.8	CR	55	04	13	0936	136	462	2.95	100.0	4	45
90.0	30.0	33	24.2	117	54.5	CR	55	04	15	1046	119	466	2.56	100.0	219	96
90.0	37.0	33	10.5	118	23.0	CR	55	04	15	0011	135	482	2.79	100.0	123	496
90.0	45.0	32	54.6	118	56.0	CR	55	04	14	1911	147	505	2.90	100.0	72	166
90.0	50.0	32	42.5	119	15.0	CR	55	04	14	1536	135	443	3.05	100.0	47	12
90.0	60.0	32	25.2	119	54.0	CR	55	04	14	0946	126	468	2.70	100.0	29	624
90.0	70.0	32	06.2	120	37.0	CR	55	04	14	0336	124	507	2.45	100.0	94	89
90.0	80.0	31	48.0	121	19.0	CR	55	04	13	2141	147	424	3.47	100.0	24	189
90.0	90.0	31	25.0	121	58.5	CR	55	04	13	1511	132	493	2.67	50.0	2	76
93.0	27.0	32	55.0	117	18.8	CR	55	04	15	1704	47	174	2.68	100.0	65	59
93.0	30.0	32	48.5	117	31.0	CR	55	04	15	2026	114	439	2.60	100.0	32	395
93.0	40.0	32	29.5	118	11.0	CR	55	04	16	0201	139	430	3.23	100.0	45	83
93.0	50.0	32	11.8	118	52.5	CR	55	04	16	0806	135	436	3.09	100.0	12	143
93.0	60.0	31	53.0	119	35.0	CR	55	04	16	1342	136	478	2.84	100.0	18	79
93.0	70.0	31	35.0	120	08.0	CR	55	04	16	1911	117	495	2.36	50.0	16	90
93.0	80.0	31	13.0	120	50.0	CR	55	04	17	0141	128	455	2.82	100.0	35	262
93.0	90.0	30	50.0	121	33.5	CR	55	04	17	0756	134	470	2.84	50.0	11	164
97.0	30.0	32	15.5	117	09.0	HO	55	04	19	1004	47	187	2.49	100.0	7	60
97.0	32.0	32	12.0	117	18.0	BD	55	04	22	0106	135	433	3.12	100.0	199	360
97.0	40.0	31	54.6	117	51.5	CR	55	04	18	1856	122	482	2.52	100.0	73	354
97.0	50.0	31	32.0	118	31.0	CR	55	04	18	1246	138	504	2.74	100.0	46	435
97.0	60.0	31	17.0	119	06.5	CR	55	04	18	0731	140	464	3.01	100.0	28	172
97.0	70.0	30	58.2	119	50.0	CR	55	04	18	0121	138	433	6.38	100.0	21	60
97.0	80.0	30	32.5	120	31.5	CR	55	04	17	1851	128	477	2.85	100.0	101	692
97.0	90.0	30	14.4	121	10.5	CR	55	04	17	1311	136	559	4.84	100.0	8	33
100.0	29.0	31	40.4	116	43.6	HO	55	04	19	0542	110	322	3.40	100.0	32	33
100.0	30.0	31	41.9	116	46.5	HO	55	04	19	0426	120	480	2.50	100.0	59	155

TABLE 1. (cont.)

CalCOFI Cruise 5504

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	40.0	31	19.9	117	26.5	CR	55	04	19	0111	117	477	2.44	100.0	126	721
100.0	50.0	30	59.5	118	08.0	CR	55	04	19	0721	138	439	3.15	100.0	53	135
100.0	60.0	30	41.5	118	46.0	CR	55	04	19	1301	135	468	2.89	100.0	41	109
100.0	70.0	30	20.0	119	21.0	CR	55	04	19	1911	127	446	2.86	100.0	43	159
100.0	80.0	30	02.5	120	01.8	CR	55	04	20	0156	120	438	2.75	100.0	85	772
100.0	90.0	29	44.8	120	41.1	CR	55	04	20	0746	142	390	3.65	100.0	34	673
103.0	30.0	31	02.5	116	24.3	HO	55	04	18	1553	42	167	2.51	100.0	17	140
103.0	35.0	30	55.0	116	45.0	BD	55	04	14	1956	134	564	2.37	100.0	262	185
103.0	35.0	30	55.0	116	45.0	HO	55	04	18	1816	156	423	3.69	100.0	127	175
103.0	40.0	30	45.1	117	05.6	HO	55	04	18	2125	135	460	2.94	100.0	209	127
103.0	40.0	30	45.0	117	05.0	BD	55	04	14	2346	127	630	2.02	100.0	260	148
103.0	45.0	30	35.0	117	25.0	BD	55	04	15	0335	144	554	2.60	100.0	161	159
103.0	50.0	30	27.0	117	41.0	CR	55	04	21	1311	131	460	2.85	100.0	8	176
103.0	50.0	30	25.0	117	46.0	BD	55	04	15	0744	145	560	2.58	100.0	77	173
103.0	55.0	30	16.0	118	06.0	BD	55	04	15	1157	144	482	2.99	100.0	44	57
103.0	60.0	30	06.0	118	26.0	BD	55	04	15	1521	138	525	2.64	100.0	57	193
103.0	60.0	30	04.3	118	23.5	CR	55	04	21	0541	124	445	2.79	100.0	144	227
103.0	65.0	29	56.0	118	46.0	BD	55	04	15	1941	137	499	2.75	50.0	286	156
103.0	70.0	29	46.0	119	05.0	BD	55	04	15	2351	149	509	2.92	100.0	265	353
103.0	70.0	29	44.5	119	05.0	CR	55	04	21	0008	123	480	2.57	100.0	174	1382
103.0	75.0	29	36.0	119	27.0	BD	55	04	16	0356	145	514	2.82	100.0	222	457
103.0	80.0	29	27.0	119	45.0	BD	55	04	16	0646	142	563	2.52	100.0	211	490
103.0	80.0	29	26.0	119	44.5	CR	55	04	20	1406	140	418	3.36	100.0	59	121
107.0	32.0	30	26.0	116	11.5	HO	55	04	18	0956	143	394	3.64	50.0	6	52
107.0	35.0	30	19.3	116	21.5	HO	55	04	18	0746	128	475	2.69	100.0	151	428
107.0	40.0	30	08.8	116	39.4	HO	55	04	18	0446	160	379	4.23	100.0	121	96
107.0	50.0	29	50.8	117	20.4	HO	55	04	17	2318	137	433	3.17	100.0	261	222
107.0	60.0	29	30.8	118	02.2	HO	55	04	17	1804	118	495	2.39	100.0	133	324
107.0	70.0	29	13.0	118	40.9	HO	55	04	17	1256	130	448	2.91	100.0	62	95
107.0	80.0	28	51.0	119	22.0	BD	55	04	16	1156	135	548	2.47	100.0	322	132
107.0	80.0	28	51.0	119	23.6	HO	55	04	17	0656	136	442	3.07	100.0	88	55
110.0	33.0	29	50.5	115	52.1	HO	55	04	15	1853	72	228	3.14	100.0	117	246
110.0	35.0	29	46.6	116	00.0	HO	55	04	15	1959	105	526	2.00	100.0	247	362
110.0	40.0	29	36.5	116	19.5	HO	55	04	15	2256	143	385	3.71	100.0	38	75
110.0	50.0	29	15.7	116	59.8	HO	55	04	16	0404	143	405	3.54	100.0	38	26
110.0	60.0	28	56.3	117	39.9	HO	55	04	16	0911	116	463	2.51	100.0	27	15
110.0	60.0	28	56.0	117	39.0	BD	55	04	23	1111	143	402	3.56	100.0	116	69
110.0	70.0	28	36.5	118	17.5	HO	55	04	16	1346	121	457	2.64	100.0	74	44
110.0	80.0	28	16.1	118	56.1	HO	55	04	16	1846	116	497	2.32	100.0	67	89
110.0	80.0	28	17.0	118	57.0	BD	55	04	17	0106	137	572	2.40	100.0	61	119
110.0	90.0	28	04.0	119	35.5	HO	55	04	16	2356	138	449	3.06	100.0	40	66
113.0	30.0	29	22.6	115	17.5	HO	55	04	15	1319	18	89	1.97	50.0	5	15
113.0	35.0	29	13.2	115	36.3	HO	55	04	15	1011	148	392	3.77	100.0	36	489
113.0	40.0	29	03.4	115	55.4	HO	55	04	15	0702	124	465	2.66	50.0	48	187
113.0	45.0	28	51.1	116	17.2	HO	55	04	15	0324	135	444	3.04	100.0	159	630

TABLE 1. (cont.)

CalCOFI Cruise 5504

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	50.0	28	41.9	116	32.3	HO	55	04	15	0011	138	433	3.19	100.0	100	51
113.0	55.0	28	31.8	116	56.9	HO	55	04	14	2106	131	454	2.88	100.0	33	104
113.0	60.0	27	27.0	117	33.0	BD	55	04	23	0411	143	508	2.82	100.0	305	139
113.0	60.0	28	23.0	117	17.0	HO	55	04	14	1756	126	464	2.72	100.0	194	128
113.0	70.0	28	00.0	117	54.5	HO	55	04	14	1157	139	384	3.64	100.0	186	59
113.0	80.0	27	42.0	118	34.0	BD	55	04	17	0626	141	510	2.76	100.0	69	649
117.0	26.0	28	55.6	114	41.5	HO	55	04	13	0543	46	256	1.78	25.0	16	80
117.0	30.0	28	46.1	114	56.8	HO	55	04	13	0803	63	245	2.56	25.0	2	15
117.0	35.0	28	39.7	115	16.1	HO	55	04	13	1011	141	439	3.21	100.0	261	191
117.0	40.0	28	26.1	115	34.8	HO	55	04	13	1316	116	439	2.64	100.0	493	135
117.0	45.0	28	17.7	115	56.8	HO	55	04	13	1624	122	398	3.07	100.0	69	62
117.0	50.0	28	08.6	116	16.4	HO	55	04	13	1922	134	366	3.65	100.0	146	33
117.0	55.0	27	57.5	116	34.6	HO	55	04	13	2306	116	405	2.87	50.0	132	153
117.0	60.0	27	46.1	116	56.6	HO	55	04	14	0221	124	425	2.91	100.0	198	34
117.0	60.0	27	47.0	116	54.0	BD	55	04	22	2301	144	524	2.75	25.0	53	6
117.0	70.0	27	27.8	117	31.0	HO	55	04	14	0631	135	384	3.51	100.0	191	113
117.0	80.0	27	08.0	118	10.0	BD	55	04	17	1132	139	656	2.12	100.0	53	155
120.0	25.0	28	22.8	114	14.2	HO	55	04	13	0057	48	197	2.45	50.0	25	348
120.0	30.0	28	13.8	114	34.0	HO	55	04	12	2212	66	222	2.98	12.5	14	89
120.0	35.0	28	02.0	114	51.8	HO	55	04	12	1938	79	216	3.65	25.0	10	46
120.0	35.0	28	03.0	114	54.0	BD	55	04	19	1328	61	323	1.88	25.0	147	356
120.0	40.0	27	57.6	115	15.3	HO	55	04	12	1102	37	165	2.26	12.5	1	0
120.0	45.0	27	43.0	115	33.0	BD	55	04	19	0506	138	473	2.92	25.0	23	69
120.0	45.0	27	42.5	115	33.4	HO	55	04	12	0756	120	483	2.48	25.0	18	16
120.0	50.0	27	34.5	115	39.0	HO	55	04	12	0532	157	413	3.80	100.0	39	18
120.0	50.0	27	33.0	115	52.0	BD	55	04	18	1936	143	518	2.77	50.0	828	261
120.0	55.0	27	26.0	116	01.0	HO	55	04	12	0134	122	532	2.29	100.0	52	39
120.0	55.0	27	23.0	116	12.0	BD	55	04	18	1457	145	510	2.84	100.0	37	5
120.0	60.0	27	13.0	116	31.0	BD	55	04	22	1816	138	545	2.53	50.0	40	45
120.0	60.0	27	16.6	116	27.2	HO	55	04	11	2201	135	474	2.85	100.0	32	13
120.0	60.0	27	13.0	116	31.0	BD	55	04	18	0931	144	514	2.79	100.0	91	195
120.0	65.0	27	03.0	116	51.0	BD	55	04	18	0506	149	526	2.83	100.0	484	248
120.0	70.0	26	53.1	117	10.1	HO	55	04	11	1611	130	489	2.66	100.0	33	53
120.0	70.0	26	52.0	117	10.0	BD	55	04	18	0056	137	520	2.63	100.0	73	140
120.0	75.0	26	42.0	117	29.0	BD	55	04	17	2050	141	567	2.49	100.0	65	150
120.0	80.0	26	32.0	117	49.0	BD	55	04	17	1631	141	530	2.66	100.0	44	8
120.0	80.0	26	24.2	117	44.6	HO	55	04	11	0921	149	435	3.43	100.0	17	52
123.0	37.0	27	24.6	114	40.3	HO	55	04	09	2238	50	196	2.57	100.0	41	6
123.0	40.0	27	17.4	114	51.1	HO	55	04	10	0011	119	501	2.37	50.0	25	67
123.0	45.0	27	05.7	115	10.7	HO	55	04	10	0326	126	465	2.71	100.0	26	25
123.0	50.0	26	58.0	115	30.0	BD	55	04	21	0806	141	542	2.60	100.0	37	8
123.0	50.0	26	55.2	115	29.8	HO	55	04	10	1804	136	460	2.96	100.0	13	10
123.0	55.0	26	48.4	115	48.1	HO	55	04	10	2041	141	445	3.17	100.0	35	31
123.0	60.0	26	39.0	116	09.0	BD	55	04	22	1316	141	551	2.56	100.0	28	11
123.0	60.0	26	37.5	116	06.5	HO	55	04	10	1946	129	482	2.68	100.0	74	15

TABLE 1. (cont.)

CalCOFI Cruise 5504

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
127.0	34.0	26	55.1	114	06.0	HO	55	04	09	1803	38	176	2.18	50.0	9	26
127.0	40.0	26	41.3	114	30.1	HO	55	04	09	1432	127	494	2.58	100.0	12	10
127.0	45.0	26	34.6	114	49.0	HO	55	04	09	1141	136	474	2.87	100.0	17	10
127.0	50.0	26	23.2	115	07.9	HO	55	04	09	0836	151	428	3.51	100.0	6	20
127.0	50.0	26	23.0	115	08.0	BD	55	04	21	1236	143	534	2.67	50.0	6	22
127.0	55.0	26	12.0	115	25.5	HO	55	04	09	0346	146	432	3.37	100.0	25	12
127.0	60.0	26	03.0	115	46.0	BD	55	04	22	0746	134	557	2.41	100.0	29	79
127.0	60.0	26	03.2	115	45.8	HO	55	04	09	0026	134	495	2.71	100.0	49	33
130.0	30.0	26	30.6	113	27.1	HO	55	04	08	0241	54	337	1.59	100.0	8	1
130.0	35.0	26	16.2	113	47.5	HO	55	04	08	0508	110	511	2.16	50.0	49	50
130.0	40.0	26	08.0	114	06.5	HO	55	04	08	0741	111	520	2.14	100.0	89	83
130.0	50.0	25	49.0	114	46.0	BD	55	04	21	1716	139	554	2.51	100.0	27	6
130.0	50.0	25	47.5	114	46.0	HO	55	04	08	1441	127	495	2.56	100.0	26	21
130.0	55.0	25	39.0	115	05.0	BD	55	04	21	1956	137	581	2.36	100.0	48	12
130.0	60.0	25	29.0	115	24.0	BD	55	04	21	2251	139	564	2.46	100.0	65	12
130.0	60.0	25	30.0	115	23.0	HO	55	04	08	1914	151	437	3.47	100.0	61	10
133.0	25.0	26	05.2	112	47.9	HO	55	04	07	2218	56	279	2.00	100.0	6	36
133.0	30.0	25	54.5	113	07.5	HO	55	04	07	1936	137	475	2.88	25.0	1	2
133.0	40.0	25	34.2	113	45.0	HO	55	04	07	0956	132	459	2.89	100.0	43	109
133.0	50.0	25	16.8	114	25.4	HO	55	04	07	0446	158	419	3.76	100.0	37	58
137.0	23.0	25	35.0	112	15.0	HO	55	04	06	1108	63	272	2.33	100.0	0	81
137.0	30.0	25	17.1	112	50.8	HO	55	04	06	1433	58	301	1.92	100.0	1	7
137.0	40.0	24	58.4	113	25.3	HO	55	04	06	1836	140	456	3.07	100.0	10	153
137.0	50.0	24	38.5	114	01.6	HO	55	04	06	2316	134	506	2.65	100.0	23	39

TABLE 1. (cont.)

CalCOFI Cruise 5505

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
63.0	52.0	37	19.0	122	36.0	BD	55	05	19	0506	138	437	3.15	100.0	13	12
63.0	55.0	37	13.0	122	50.4	BD	55	05	19	0641	128	554	2.35	100.0	2	11
63.0	65.0	36	53.0	123	32.0	BD	55	05	19	1146	140	529	2.65	50.0	6	13
67.0	50.0	36	49.0	122	04.6	BD	55	05	20	0023	57	326	1.74	25.0	3	5
67.0	55.0	36	39.0	122	26.0	BD	55	05	19	2141	133	522	2.56	25.0	5	1
67.0	65.0	36	19.0	123	09.0	BD	55	05	19	1626	132	482	2.73	100.0	1	13
70.0	52.0	36	08.0	121	50.0	BD	55	05	20	0540	133	500	2.66	100.0	5	6
70.0	55.0	36	03.0	122	02.0	BD	55	05	20	0726	144	481	3.00	100.0	9	7
70.0	60.0	35	53.0	122	23.0	BD	55	05	20	0952	137	465	2.94	50.0	10	30
70.0	70.0	35	33.0	123	06.0	BD	55	05	20	1501	131	443	2.97	50.0	1	29
77.0	50.0	35	04.5	120	52.0	BD	55	05	22	0157	98	408	2.41	100.0	6	88
77.0	55.0	34	55.0	121	13.0	BD	55	05	21	2248	133	488	2.72	50.0	12	23
77.0	65.0	34	34.0	121	55.0	BD	55	05	22	1726	132	524	2.53	25.0	0	11
77.0	70.0	34	24.0	122	16.0	BD	55	05	22	2031	141	496	2.84	25.0	1	0
77.0	80.0	34	05.0	122	58.0	BD	55	05	23	0120	166	424	3.90	25.0	4	4
77.0	90.0	33	44.0	123	39.0	BD	55	05	23	0704	135	501	2.70	25.0	2	19
80.0	51.0	34	27.0	120	32.0	BD	55	05	24	1230	97	177	5.47	100.0	4	10
80.0	55.0	34	19.0	120	48.0	BD	55	05	24	1025	146	528	2.76	100.0	21	21
80.0	60.0	34	09.0	121	09.0	BD	55	05	24	0521	135	478	2.82	100.0	21	66
80.0	70.0	33	49.0	121	51.0	BD	55	05	23	2353	133	487	2.74	50.0	16	27
80.0	80.0	33	29.0	122	32.0	BD	55	05	23	1813	135	480	2.81	50.0	4	70
80.0	90.0	33	09.0	123	13.0	BD	55	05	23	1306	146	465	3.14	100.0	6	187
83.0	43.0	34	08.0	119	34.0	BD	55	05	25	0326	136	558	2.44	50.0	74	29
83.0	51.0	33	52.0	120	08.5	BD	55	05	25	0936	138	467	2.95	100.0	6	27
83.0	60.0	33	34.0	120	45.0	BD	55	05	25	1516	149	476	3.12	100.0	12	72
87.0	35.0	33	50.0	118	38.0	BD	55	05	27	0326	98	400	2.45	100.0	101	460
87.0	40.0	33	40.0	118	58.5	BD	55	05	26	2236	143	448	3.19	100.0	62	27
87.0	45.0	33	30.0	119	19.0	BD	55	05	26	1931	127	538	2.37	100.0	29	573
87.0	50.0	33	20.0	119	39.0	BD	55	05	26	1638	59	226	2.61	100.0	22	162
87.0	55.0	33	10.0	120	01.0	BD	55	05	26	1321	137	519	2.63	100.0	51	55
87.0	60.0	33	00.0	120	21.0	BD	55	05	26	0901	144	463	3.10	100.0	21	120
90.0	28.0	33	28.5	117	46.7	BD	55	05	27	1946	135	497	2.72	100.0	9	183
90.0	30.0	33	24.5	117	55.0	BD	55	05	27	2126	138	478	2.89	100.0	53	85
90.0	37.0	33	11.0	118	23.0	BD	55	05	28	0046	126	477	2.65	100.0	68	106
90.0	45.0	32	55.0	118	56.0	BD	55	05	28	0526	140	502	2.78	100.0	42	106
90.0	50.0	32	44.0	119	16.5	BD	55	05	28	0846	137	471	2.90	50.0	10	23
90.0	55.0	32	34.0	119	36.5	BD	55	05	28	1156	140	473	2.96	100.0	59	111
90.0	60.0	32	25.0	119	58.0	BD	55	05	28	1516	137	508	2.70	100.0	34	774
90.0	65.0	32	15.0	120	19.0	BD	55	05	28	1801	135	473	2.86	50.0	19	274
90.0	70.0	32	04.0	120	39.0	BD	55	05	28	2116	141	464	3.03	100.0	37	349
90.0	75.0	31	54.0	120	58.0	BD	55	05	29	0056	140	456	3.08	100.0	7	150
90.0	80.0	31	45.0	121	19.0	BD	55	05	29	0356	142	469	3.02	100.0	5	97
90.0	85.0	31	33.0	121	41.0	BD	55	05	29	0746	140	476	2.94	100.0	1	241
90.0	90.0	31	25.0	121	59.0	BD	55	05	29	1046	140	488	2.88	100.0	41	857
93.0	27.0	32	56.0	117	19.0	BD	55	05	31	1227	108	334	3.23	100.0	34	48

TABLE 1. (cont.)

CalCOFI Cruise 5505

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	30.0	32	50.0	117	31.5	BD	55	05	31	1001	139	447	3.03	50.0	38	32
93.0	35.0	32	40.0	117	52.0	BD	55	05	31	0656	138	455	3.03	100.0	17	49
93.0	40.0	32	30.0	118	13.0	BD	55	05	31	0316	135	480	2.81	100.0	204	142
93.0	45.0	32	20.0	118	32.0	BD	55	05	31	0011	151	483	3.13	100.0	28	20
93.0	50.0	32	10.0	118	53.5	BD	55	05	30	2056	146	474	3.08	100.0	54	246
93.0	55.0	32	00.0	119	14.0	BD	55	05	30	1756	139	452	3.08	100.0	8	103
93.0	60.0	31	50.0	119	34.0	BD	55	05	30	1416	142	465	3.06	100.0	7	234
93.0	65.0	31	40.0	119	55.0	BD	55	05	30	1126	141	502	2.81	100.0	3	157
93.0	70.0	31	28.0	120	10.0	BD	55	05	30	0816	141	472	2.98	100.0	11	449
93.0	75.0	31	18.0	120	32.0	BD	55	05	30	0456	138	465	2.96	100.0	12	477
93.0	80.0	31	09.0	120	54.5	BD	55	05	30	0156	130	572	2.28	12.5	0	36
93.0	85.0	30	59.0	121	14.0	BD	55	05	29	2226	138	496	2.78	50.0	0	120
93.0	90.0	30	50.0	121	35.0	BD	55	05	29	1911	139	506	2.75	100.0	9	376
93.0	95.0	30	41.0	121	56.0	BD	55	05	29	1611	140	502	2.80	100.0	28	356
97.0	30.0	32	15.4	117	08.8	BD	55	06	05	2213	56	219	2.55	100.0	147	576
97.0	32.0	32	11.5	117	17.0	BD	55	06	05	2326	139	439	3.16	100.0	68	189
97.0	35.0	32	05.5	117	29.0	BD	55	06	06	0111	130	467	2.79	100.0	46	79
97.0	40.0	31	56.0	117	50.0	BD	55	06	06	0426	135	452	2.98	100.0	68	580
97.0	45.0	31	44.0	118	09.0	BD	55	06	06	0721	137	416	3.31	50.0	11	428
97.0	50.0	31	35.5	118	30.5	BD	55	06	06	1021	143	430	3.31	100.0	23	163
97.0	55.0	31	25.5	118	49.0	BD	55	06	06	1256	139	429	3.23	100.0	4	43
97.0	60.0	31	15.5	119	10.5	BD	55	06	06	1611	147	383	3.83	100.0	4	73
97.0	65.0	31	06.0	119	30.0	BD	55	06	06	1921	139	375	3.70	100.0	4	36
97.0	70.0	30	55.0	119	50.5	BD	55	06	06	2206	138	396	3.48	100.0	21	133
97.0	75.0	30	45.0	120	13.0	BD	55	06	07	0056	136	444	3.06	100.0	7	56
97.0	80.0	30	36.0	120	31.0	BD	55	06	07	0411	174	416	4.17	100.0	44	575
97.0	85.0	30	25.0	120	51.0	BD	55	06	07	0706	144	385	3.75	50.0	3	303
97.0	90.0	30	15.0	121	11.0	BD	55	06	07	1016	142	408	3.47	100.0	14	425
100.0	29.0	31	42.0	116	43.0	BD	55	06	05	1651	141	440	3.19	100.0	3	9
100.0	30.0	31	40.5	116	46.5	BD	55	06	05	1556	141	441	3.21	100.0	16	63
100.0	35.0	31	31.0	117	07.0	BD	55	06	05	1126	144	466	3.10	100.0	24	407
100.0	40.0	31	21.0	117	27.0	BD	55	06	05	0816	138	488	2.83	100.0	34	364
100.0	45.0	31	11.0	117	46.0	BD	55	06	05	0526	138	448	3.07	100.0	41	153
100.0	50.0	31	01.0	118	07.0	BD	55	06	05	0211	158	414	3.80	100.0	24	168
100.0	55.0	30	51.0	118	27.0	BD	55	06	04	2321	139	535	2.59	100.0	13	40
100.0	60.0	30	41.0	118	47.5	BD	55	06	04	2016	135	425	3.17	100.0	18	178
100.0	65.0	30	31.0	119	07.0	BD	55	06	04	1711	142	476	2.97	100.0	6	27
100.0	70.0	30	20.5	119	27.0	BD	55	06	04	1416	134	493	2.71	100.0	14	155
100.0	75.0	30	10.7	119	47.0	BD	55	06	04	1116	143	504	2.83	100.0	2	40
100.0	80.0	30	01.0	120	07.0	BD	55	06	04	0826	140	461	3.03	100.0	6	56
100.0	85.0	29	51.0	120	27.5	BD	55	06	04	0556	142	441	3.23	50.0	6	180
100.0	90.0	29	40.0	120	47.0	BD	55	06	04	0216	142	456	3.11	100.0	46	183
103.0	30.0	31	06.0	116	25.0	BD	55	06	02	0643	68	224	3.05	100.0	14	32
103.0	35.0	30	55.5	116	45.0	BD	55	06	02	0921	141	459	3.07	100.0	11	193
103.0	40.0	30	45.5	117	05.5	BD	55	06	02	1226	141	446	3.16	100.0	3	39

TABLE 1. (cont.)

CalCOFI Cruise 5505

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	45.0	30	36.0	117	25.0	BD	55	06	02	1556	134	469	2.86	100.0	2	74
103.0	50.0	30	25.0	117	46.0	BD	55	06	02	1930	140	433	3.23	100.0	21	217
103.0	55.0	30	16.0	118	05.0	BD	55	06	02	2241	136	422	3.23	100.0	28	186
103.0	60.0	30	06.0	118	25.5	BD	55	06	03	0126	141	456	3.10	100.0	29	36
103.0	65.0	29	57.0	118	43.5	BD	55	06	03	0406	145	433	3.34	100.0	4	138
103.0	70.0	29	46.0	119	05.5	BD	55	06	03	0811	131	454	2.89	100.0	9	277
103.0	75.0	29	36.0	119	25.5	BD	55	06	03	1126	134	433	3.10	100.0	16	321
103.0	80.0	29	26.5	119	45.5	BD	55	06	03	1426	138	461	2.99	100.0	2	177
103.0	85.0	29	16.0	120	06.0	BD	55	06	03	1756	138	444	3.10	100.0	8	250
103.0	90.0	29	06.0	120	25.0	BD	55	06	03	2106	140	441	3.17	100.0	35	32
107.0	32.0	30	25.8	116	11.1	CR	55	06	01	0541	142	431	3.30	50.0	8	34
107.0	35.0	30	16.8	116	21.0	CR	55	06	01	0348	136	436	3.11	50.0	38	260
107.0	40.0	30	07.2	116	41.5	CR	55	06	01	0107	130	527	2.47	100.0	52	165
107.0	45.0	29	57.7	117	02.0	CR	55	05	31	2156	143	467	3.06	100.0	40	112
107.0	50.0	29	49.5	117	24.0	CR	55	05	31	1911	138	448	3.09	100.0	44	99
107.0	55.0	29	41.0	117	41.5	CR	55	05	31	1631	138	508	2.71	100.0	35	49
107.0	60.0	29	31.5	117	59.7	CR	55	05	31	1401	135	485	2.79	100.0	14	33
107.0	65.0	29	21.5	118	23.0	CR	55	05	31	1012	148	476	3.10	100.0	28	39
107.0	70.0	29	13.0	118	42.5	CR	55	05	31	0808	148	468	3.15	100.0	18	17
107.0	75.0	29	03.5	119	02.5	CR	55	05	31	0511	143	471	3.03	100.0	33	24
107.0	80.0	28	52.0	119	23.5	CR	55	05	31	0231	142	497	2.86	100.0	144	70
107.0	85.0	28	41.5	119	42.0	CR	55	05	30	2326	144	465	3.09	100.0	30	28
107.0	90.0	28	31.5	120	01.0	CR	55	05	30	2036	147	490	3.00	100.0	24	43
110.0	33.0	29	50.5	115	52.5	CR	55	05	29	0827	96	343	2.79	50.0	26	30
110.0	35.0	29	46.5	116	00.0	CR	55	05	29	0941	137	447	3.07	100.0	49	28
110.0	40.0	29	36.2	116	21.0	CR	55	05	29	1226	142	448	3.18	50.0	10	1
110.0	45.0	29	29.9	116	41.3	CR	55	05	29	1506	138	468	2.94	100.0	17	135
110.0	50.0	29	13.0	117	02.0	CR	55	05	29	1806	134	469	2.86	100.0	57	58
110.0	55.0	29	01.8	117	27.5	CR	55	05	29	2055	130	496	2.62	100.0	140	90
110.0	60.0	28	52.0	117	42.5	CR	55	05	29	2354	144	454	3.17	100.0	92	3
110.0	65.0	28	40.1	118	02.0	CR	55	05	30	0211	145	470	3.08	100.0	40	143
110.0	70.0	28	35.5	118	18.0	CR	55	05	30	0446	145	469	3.08	100.0	48	497
110.0	75.0	28	26.0	118	36.0	CR	55	05	30	0702	139	479	2.91	100.0	35	177
110.0	80.0	28	15.6	118	51.0	CR	55	05	30	0951	138	503	2.73	100.0	15	142
110.0	85.0	28	07.0	119	11.0	CR	55	05	30	1230	143	468	3.05	100.0	41	86
110.0	90.0	27	57.5	119	33.0	CR	55	05	30	1529	138	524	2.63	100.0	23	123
113.0	30.0	29	22.0	115	15.8	CR	55	05	29	0221	60	250	2.39	50.0	39	52
113.0	35.0	29	13.3	115	37.7	CR	55	05	28	2313	156	469	3.33	100.0	34	16
113.0	40.0	29	06.0	115	58.5	CR	55	05	28	2036	150	460	3.26	100.0	44	41
113.0	45.0	28	58.5	116	17.0	CR	55	05	28	1756	141	446	3.17	100.0	33	89
113.0	50.0	28	49.0	116	36.8	CR	55	05	28	1516	140	495	2.83	100.0	44	90
113.0	55.0	28	39.0	116	55.2	CR	55	05	28	1246	144	478	3.02	100.0	58	70
113.0	60.0	28	27.0	117	15.3	CR	55	05	28	1001	143	475	3.02	100.0	7	49
113.0	65.0	28	16.5	117	35.5	CR	55	05	28	0654	144	463	3.11	100.0	9	31
113.0	70.0	28	06.0	117	56.0	CR	55	05	28	0408	159	428	3.71	100.0	23	32

TABLE 1. (cont.)

CalCOFI Cruise 5505

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
113.0	75.0	27	54.5	118	16.0	CR	55	05	28	0101	142	481	2.95	100.0	126	137
113.0	80.0	27	43.0	118	37.0	CR	55	05	27	2206	150	458	3.26	100.0	194	143
117.0	26.0	28	55.5	114	40.9	CR	55	05	25	1048	72	230	3.11	25.0	68	203
117.0	30.0	28	47.4	114	56.0	CR	55	05	25	1337	104	328	3.16	25.0	19	589
117.0	35.0	28	37.8	115	15.9	CR	55	05	25	1630	131	491	2.68	100.0	24	264
117.0	40.0	28	27.8	115	35.5	CR	55	05	26	1931	149	454	3.29	100.0	80	31
117.0	45.0	28	18.0	115	55.8	CR	55	05	26	2221	132	538	2.45	100.0	95	15
117.0	50.0	28	08.0	116	16.0	CR	55	05	27	0101	125	563	2.23	100.0	84	238
117.0	55.0	27	58.0	116	36.0	CR	55	05	27	0401	147	462	3.18	100.0	86	245
117.0	60.0	27	48.0	116	56.5	CR	55	05	27	0641	139	492	2.83	100.0	56	37
117.0	65.0	27	36.2	117	19.0	CR	55	05	27	0930	140	454	3.09	100.0	7	6
117.0	70.0	27	27.8	117	37.4	CR	55	05	27	1150	130	483	2.69	100.0	15	13
117.0	75.0	27	17.5	117	56.5	CR	55	05	27	1426	141	502	2.80	100.0	26	16
117.0	80.0	27	08.5	118	14.0	CR	55	05	27	1641	130	503	2.59	100.0	55	16
120.0	25.0	28	23.0	114	14.6	CR	55	05	25	0529	47	169	2.77	25.0	64	402
120.0	27.0	28	18.2	114	24.0	CR	55	05	25	0358	90	272	3.31	25.0	44	66
120.0	30.0	28	14.0	114	33.5	CR	55	05	25	0212	81	356	2.28	25.0	130	280
120.0	35.0	28	02.8	114	54.0	CR	55	05	24	2218	80	270	2.95	25.0	26	47
120.0	40.0	27	57.0	115	14.2	CR	55	05	24	1952	54	235	2.31	25.0	37	0
120.0	45.0	27	45.2	115	34.8	CR	55	05	24	1701	145	471	3.07	25.0	0	3
120.0	50.0	27	34.7	115	53.0	CR	55	05	24	1411	147	490	2.99	25.0	0	29
120.0	55.0	27	24.0	116	12.0	CR	55	05	24	1116	143	506	2.83	25.0	4	9
120.0	70.0	26	52.5	117	11.0	CR	55	05	24	0317	145	452	3.22	50.0	13	83
120.0	80.0	26	32.5	117	49.5	CR	55	05	23	2206	140	511	2.74	100.0	57	31
123.0	40.0	27	16.1	114	51.5	CR	55	05	23	0032	133	543	2.45	50.0	26	25
123.0	45.0	27	05.5	115	11.5	CR	55	05	23	0307	127	530	2.39	50.0	56	61
123.0	50.0	26	53.8	115	31.5	CR	55	05	23	0558	149	476	3.14	100.0	71	40
123.0	55.0	26	43.5	115	49.7	CR	55	05	23	0836	143	460	3.12	100.0	64	311
123.0	60.0	26	33.0	116	08.8	CR	55	05	23	1136	136	498	2.74	50.0	13	21
127.0	34.0	26	55.5	114	07.0	CR	55	05	22	1422	72	311	2.30	25.0	3	7
127.0	40.0	26	41.5	114	27.5	CR	55	05	22	1112	134	549	2.44	100.0	13	23
127.0	45.0	26	31.0	114	47.8	CR	55	05	22	0816	135	528	2.55	50.0	2	3
127.0	50.0	26	22.0	115	07.5	CR	55	05	22	0521	138	446	3.09	50.0	9	115
127.0	55.0	26	13.0	115	26.5	CR	55	05	22	0221	143	489	2.93	100.0	61	46
127.0	60.0	26	04.0	115	46.0	CR	55	05	21	2331	138	484	2.86	100.0	70	28
130.0	30.0	26	23.5	113	28.4	CR	55	05	21	0313	76	286	2.65	25.0	8	13
130.0	35.0	26	18.5	113	48.0	CR	55	05	21	0522	122	498	2.44	50.0	7	21
130.0	40.0	26	09.2	114	06.6	CR	55	05	21	0801	145	468	3.09	25.0	12	7
130.0	50.0	25	49.0	114	46.0	CR	55	05	21	1311	140	422	3.32	50.0	10	56
130.0	60.0	25	29.0	115	23.5	CR	55	05	21	1805	147	442	3.33	100.0	13	392
133.0	25.0	26	04.2	112	49.0	CR	55	05	20	2113	78	263	2.95	50.0	2	1
133.0	30.0	25	54.5	113	07.2	CR	55	05	20	1831	141	485	2.90	100.0	19	91
133.0	50.0	25	11.1	114	25.9	CR	55	05	20	0746	147	438	3.36	100.0	28	156
137.0	23.0	25	34.1	112	18.5	CR	55	05	19	1313	67	263	2.55	25.0	13	182
137.0	30.0	25	20.2	112	43.5	CR	55	05	19	1621	140	502	2.78	100.0	131	320

TABLE 1. (cont.)

CalCOFI Cruise 5505

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
137.0	40.0	24 59.1	113 22.8	CR	55 05 19	2131	141	470	2.99	100.0	38	20
137.0	50.0	24 39.2	114 03.0	CR	55 05 20	0248	133	506	2.64	100.0	109	51

TABLE 1. (cont.)

CalCOFI Cruise 5506

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	55.0	37 47.5	123 15.0	CR	55 06 25	1527	104	408	2.55	100.0	54	19
60.0	60.0	37 36.5	123 36.0	CR	55 06 25	1836	150	382	3.92	25.0	4	12
60.0	70.0	37 14.5	124 24.0	CR	55 06 26	0021	130	397	3.28	25.0	9	4
60.0	80.0	36 53.5	125 11.0	CR	55 06 26	0636	142	359	3.94	50.0	11	15
60.0	90.0	36 38.0	125 46.1	CR	55 06 26	1236	144	441	3.27	100.0	12	67
63.0	52.0	37 18.5	122 36.8	CR	55 06 24	0403	75	167	4.49	100.0	7	47
63.0	55.0	37 05.7	122 48.3	CR	55 06 24	0116	143	454	3.14	25.0	3	11
63.0	65.0	36 52.7	123 26.2	CR	55 06 23	1936	131	492	2.66	25.0	7	84
67.0	50.0	36 49.0	122 05.3	CR	55 06 23	0508	70	212	3.28	100.0	7	30
67.0	55.0	36 38.0	122 28.2	CR	55 06 23	0806	151	445	3.39	50.0	5	9
67.0	65.0	36 23.5	123 05.3	CR	55 06 23	1336	138	485	2.84	100.0	20	267
70.0	52.0	36 08.0	121 50.2	CR	55 06 22	1626	138	521	2.64	100.0	7	0
70.0	55.0	36 02.7	122 02.0	CR	55 06 22	1336	134	494	2.70	25.0	0	6
70.0	60.0	35 50.1	122 23.0	CR	55 06 22	0946	138	468	2.95	25.0	3	34
70.0	70.0	35 35.2	123 01.0	CR	55 06 22	0246	143	455	3.14	50.0	21	26
70.0	80.0	35 13.5	123 45.1	CR	55 06 21	2036	151	467	3.23	50.0	8	27
70.0	90.0	34 50.5	124 31.8	CR	55 06 21	1211	136	498	2.74	100.0	44	101
73.0	50.0	35 36.8	121 17.0	CR	55 06 20	0358	92	288	3.18	50.0	1	3
73.0	60.0	35 18.0	121 57.0	CR	55 06 20	0921	142	531	2.68	50.0	9	107
73.0	70.0	34 57.2	122 41.1	CR	55 06 20	1521	145	485	2.98	50.0	10	194
73.0	80.0	34 38.0	123 21.8	CR	55 06 20	2046	142	496	2.86	12.5	4	28
73.0	90.0	34 18.0	124 03.8	CR	55 06 21	0306	151	440	3.43	100.0	38	53
77.0	50.0	35 04.6	120 53.2	CR	55 06 19	2228	64	202	3.15	100.0	8	7
77.0	55.0	34 52.8	121 12.0	CR	55 06 19	1901	145	455	3.20	100.0	37	27
77.0	65.0	34 32.2	121 51.5	CR	55 06 19	1241	139	447	3.12	100.0	10	53
77.0	70.0	34 21.1	122 12.1	CR	55 06 19	0946	156	447	3.49	100.0	23	138
77.0	80.0	34 02.0	122 54.5	CR	55 06 19	0411	135	511	2.65	100.0	7	317
77.0	90.0	33 45.0	123 37.0	CR	55 06 18	2006	134	506	2.64	100.0	36	122
80.0	51.0	34 26.5	120 33.0	CR	55 06 17	1107	124	357	3.47	100.0	17	26
80.0	55.0	34 19.0	120 48.0	CR	55 06 17	1356	144	395	3.65	100.0	12	9
80.0	60.0	34 08.5	121 09.0	CR	55 06 17	1736	138	475	2.90	25.0	10	150
80.0	70.0	33 48.5	121 53.5	CR	55 06 17	2316	149	506	2.94	50.0	8	263
80.0	80.0	33 29.0	122 37.0	CR	55 06 18	0536	142	543	2.62	50.0	14	184
80.0	90.0	33 13.0	123 13.5	CR	55 06 18	1141	151	473	3.19	25.0	14	70
83.0	40.0	34 13.5	119 22.0	CR	55 06 16	0509	17	109	1.52	100.0	2	17
83.0	43.0	34 07.5	119 34.2	CR	55 06 16	0236	145	472	3.07	100.0	285	12
83.0	51.0	33 51.5	120 08.3	CR	55 06 15	2011	132	545	2.43	100.0	215	6
83.0	55.0	33 42.2	120 21.3	CR	55 06 15	1736	140	460	3.05	100.0	40	35
83.0	60.0	33 32.0	120 45.0	CR	55 06 15	1336	159	441	3.61	50.0	54	473
83.0	65.0	33 23.1	121 08.0	CR	55 06 15	1041	133	528	2.51	50.0	27	207
83.0	70.0	33 13.2	121 28.0	CR	55 06 15	0551	141	467	3.02	50.0	100	229
83.0	75.0	33 03.5	121 47.5	CR	55 06 15	0231	149	432	3.46	50.0	111	165
83.0	80.0	32 54.0	122 07.5	CR	55 06 14	2041	153	462	3.31	25.0	25	61
83.0	85.0	32 45.0	122 27.0	CR	55 06 14	1926	142	456	3.12	25.0	15	79
83.0	90.0	32 32.0	122 46.2	CR	55 06 14	1401	138	476	2.91	25.0	5	19

TABLE 1. (cont.)

CalCOFI Cruise 5506

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
87.0	35.0	33	50.0	118	38.0	CR	55	06	11	0146	137	468	2.93	50.0	431	42
87.0	40.0	33	40.2	118	58.5	CR	55	06	11	0656	132	529	2.49	100.0	421	211
87.0	45.0	33	30.4	119	19.3	CR	55	06	11	0941	125	482	2.59	25.0	7	31
87.0	50.0	33	20.0	119	40.0	CR	55	06	11	1253	64	212	3.01	50.0	31	67
87.0	55.0	33	09.9	120	00.5	CR	55	06	11	1541	132	427	3.09	50.0	38	252
87.0	60.0	33	00.0	120	22.0	CR	55	06	11	1921	137	381	3.61	25.0	18	96
87.0	65.0	32	49.8	120	42.2	CR	55	06	13	1021	140	435	3.21	100.0	33	218
87.0	70.0	32	39.2	121	02.5	CR	55	06	13	1356	149	401	3.71	25.0	9	49
87.0	75.0	32	29.8	121	23.5	CR	55	06	13	1706	148	341	4.35	25.0	26	92
87.0	80.0	32	19.8	121	43.5	CR	55	06	13	2115	147	450	3.26	50.0	11	305
87.0	90.0	31	59.0	122	22.5	CR	55	06	14	0827	140	485	2.89	100.0	25	127
90.0	28.0	33	28.5	117	46.7	PT	55	06	16	2118	65	259	2.52	50.0	24	77
90.0	30.0	33	24.5	117	54.9	PT	55	06	16	2326	133	445	2.98	100.0	96	364
90.0	37.0	33	11.8	118	23.6	PT	55	06	17	0341	130	490	2.66	100.0	32	334
90.0	45.0	32	58.5	118	54.0	PT	55	06	17	1046	127	308	4.13	12.5	2	14
90.0	50.0	32	46.0	119	17.0	PT	55	06	17	1441	131	451	2.91	100.0	178	796
90.0	55.0	32	34.5	119	37.0	PT	55	06	17	1806	127	452	2.81	50.0	106	176
90.0	60.0	32	24.0	119	57.0	PT	55	06	17	2211	138	416	3.32	50.0	177	118
90.0	65.0	32	14.0	120	10.8	PT	55	06	18	0220	138	399	3.46	25.0	94	226
90.0	70.0	32	01.8	120	36.0	PT	55	06	18	0756	128	466	2.75	50.0	7	221
90.0	75.0	31	55.7	120	59.0	PT	55	06	18	1106	138	531	2.60	50.0	17	200
93.0	27.0	32	55.8	117	18.2	PT	55	06	20	0957	78	343	2.26	100.0	22	779
93.0	30.0	32	49.7	117	31.5	PT	55	06	20	0806	135	610	2.22	100.0	15	16
93.0	35.0	32	30.8	117	59.0	PT	55	06	20	0241	133	430	3.10	100.0	18	490
93.0	40.0	32	23.8	118	17.0	PT	55	06	19	2255	139	467	2.97	50.0	34	70
93.0	45.0	32	16.5	118	35.0	PT	55	06	19	1956	136	471	2.89	50.0	81	14
93.0	50.0	32	10.0	118	53.1	PT	55	06	19	1616	132	472	2.80	100.0	25	36
93.0	55.0	31	59.0	119	09.0	PT	55	06	19	1356	129	512	2.51	50.0	8	20
93.0	60.0	31	50.8	119	30.0	PT	55	06	19	1020	135	493	2.74	100.0	3	1
93.0	70.0	31	30.0	120	12.8	PT	55	06	19	0325	130	507	2.56	25.0	69	133
93.0	75.0	31	19.2	120	34.0	PT	55	06	19	0010	136	498	2.74	50.0	32	132
93.0	80.0	31	09.5	120	54.5	PT	55	06	18	2036	145	475	3.04	50.0	15	35
97.0	30.0	32	15.5	117	09.0	PT	55	06	21	1649	45	177	2.53	100.0	123	2120
97.0	32.0	32	11.0	117	17.0	PT	55	06	21	1906	136	496	2.74	100.0	13	23
97.0	35.0	32	07.5	117	26.0	PT	55	06	21	2221	130	500	2.60	100.0	22	6
97.0	40.0	31	58.0	117	45.0	PT	55	06	22	0126	134	482	2.79	50.0	26	49
97.0	45.0	31	46.0	118	09.5	PT	55	06	22	0611	141	453	3.11	50.0	2	14
97.0	50.0	31	36.2	118	29.0	PT	55	06	22	0935	117	569	2.05	50.0	25	70
97.0	55.0	31	25.0	118	50.0	PT	55	06	22	1425	127	504	2.52	50.0	44	171
100.0	29.0	31	42.3	116	43.5	PT	55	06	23	1421	118	462	2.55	50.0	2	36
100.0	30.0	31	40.5	116	46.5	PT	55	06	23	1241	136	483	2.81	100.0	75	81
100.0	35.0	31	28.1	117	05.2	PT	55	06	23	0916	137	465	2.96	100.0	20	153
100.0	40.0	31	21.5	117	27.0	PT	55	06	23	0611	146	424	3.44	100.0	8	21
100.0	45.0	31	08.3	117	53.5	PT	55	06	23	0216	134	455	2.95	50.0	19	89
100.0	50.0	30	57.7	118	10.0	PT	55	06	22	2306	118	532	2.23	50.0	71	90

TABLE 1. (cont.)

CalCOFI Cruise 5506

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	55.0	30	46.3	118	26.5	PT	55	06	22	1955	126	522	2.41	100.0	18	108
103.0	30.0	31	05.0	116	25.0	HO	55	06	28	1433	45	247	1.84	100.0	48	184
103.0	35.0	30	55.0	116	42.0	HO	55	06	28	1128	110	474	2.31	100.0	10	373
103.0	40.0	30	47.8	116	57.0	HO	55	06	28	0956	135	469	2.89	100.0	17	401
103.0	45.0	30	37.0	117	19.5	HO	55	06	28	0637	139	470	2.96	50.0	7	36
103.0	50.0	30	27.0	117	43.5	HO	55	06	28	0416	130	507	2.57	100.0	15	14
103.0	55.0	30	16.0	118	05.0	HO	55	06	28	0047	133	521	2.56	100.0	45	166
103.0	60.0	30	05.5	118	22.5	HO	55	06	27	2229	136	474	2.88	50.0	14	58
103.0	65.0	29	57.5	118	46.0	HO	55	06	27	1846	90	609	1.48	25.0	4	15
103.0	70.0	29	46.5	119	06.5	HO	55	06	27	1623	136	473	2.87	100.0	14	17
103.0	75.0	29	37.5	119	25.0	HO	55	06	27	1316	131	504	2.60	100.0	41	43
103.0	80.0	29	33.0	119	34.0	HO	55	06	27	1206	108	473	2.28	100.0	25	75
103.0	85.0	29	22.0	119	57.5	HO	55	06	27	0847	140	487	2.87	100.0	17	64
103.0	90.0	29	09.0	120	19.0	HO	55	06	27	0628	148	458	3.23	100.0	12	60
107.0	32.0	30	27.0	116	11.3	HO	55	06	25	1119	132	424	3.11	100.0	7	45
107.0	35.0	30	20.8	116	21.5	HO	55	06	25	1346	133	425	3.12	100.0	31	8
107.0	40.0	30	09.1	116	44.5	HO	55	06	25	1711	103	556	1.86	100.0	31	642
107.0	45.0	29	59.5	117	03.5	HO	55	06	25	1912	133	474	2.81	50.0	14	20
107.0	50.0	29	50.0	117	24.0	HO	55	06	25	2236	148	463	3.20	100.0	37	1742
107.0	55.0	29	42.0	117	44.0	HO	55	06	26	0108	112	586	1.91	50.0	13	100
107.0	60.0	29	30.0	118	05.0	HO	55	06	26	0444	134	506	2.64	100.0	14	78
107.0	65.0	29	22.0	118	22.5	HO	55	06	26	0636	138	497	2.78	100.0	15	55
107.0	70.0	29	11.5	118	45.0	HO	55	06	26	1007	125	540	2.32	50.0	11	74
107.0	75.0	29	02.5	119	02.0	HO	55	06	26	1201	137	528	2.59	100.0	36	224
107.0	80.0	28	51.0	119	21.5	HO	55	06	26	1524	145	498	2.91	100.0	14	168
107.0	85.0	28	42.5	119	43.5	HO	55	06	26	1741	146	464	3.15	100.0	12	108
107.0	90.0	28	33.0	120	02.5	HO	55	06	26	2241	128	519	2.46	100.0	59	125
110.0	33.0	29	50.5	115	52.4	HO	55	06	25	0552	75	582	1.29	50.0	9	26
110.0	35.0	29	44.2	116	04.9	HO	55	06	25	0404	112	535	2.10	100.0	37	20
110.0	40.0	29	36.5	116	17.1	HO	55	06	25	0046	142	460	3.09	50.0	9	21
110.0	45.0	29	25.3	116	38.5	HO	55	06	24	2042	119	554	2.16	100.0	26	167
110.0	50.0	29	16.2	116	59.0	HO	55	06	24	1826	130	496	2.63	100.0	9	76
110.0	55.0	29	06.5	117	18.5	HO	55	06	24	1501	124	518	2.40	100.0	22	73
110.0	60.0	28	56.0	117	38.5	HO	55	06	24	1204	147	465	3.16	50.0	24	70
110.0	65.0	28	46.0	117	57.5	HO	55	06	23	0837	133	547	2.43	100.0	77	340
110.0	70.0	28	24.5	118	17.5	HO	55	06	23	0556	145	578	2.51	100.0	24	79
110.0	75.0	28	26.0	118	37.0	HO	55	06	23	0210	136	544	2.50	100.0	12	32
110.0	80.0	28	16.0	118	57.5	HO	55	06	22	2321	142	469	3.03	100.0	74	71
110.0	85.0	28	04.0	119	25.2	HO	55	06	22	2031	123	583	2.11	100.0	43	720
110.0	90.0	27	55.0	119	35.5	HO	55	06	22	1731	146	506	2.88	100.0	33	138
113.0	30.0	29	23.1	115	18.2	HO	55	06	21	0316	37	242	1.55	50.0	7	74
113.0	35.0	29	12.0	115	39.0	HO	55	06	21	0626	127	563	2.25	100.0	48	14
113.0	40.0	29	02.8	115	58.5	HO	55	06	21	0916	152	495	3.07	100.0	54	30
113.0	45.0	28	53.2	116	19.5	HO	55	06	21	1145	130	540	2.40	100.0	31	46
113.0	50.0	28	43.0	116	36.0	HO	55	06	21	1456	148	481	3.07	100.0	16	36

TABLE 1. (cont.)

CalCOFI Cruise 5506

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	55.0	28	32.0	116	57.0	HO	55	06	21	1738	130	544	2.40	100.0	4	18
113.0	60.0	28	21.5	117	16.6	HO	55	06	21	2041	145	497	2.91	100.0	12	19
113.0	65.0	28	12.0	117	35.0	HO	55	06	21	2301	131	504	2.60	50.0	8	4
113.0	70.0	27	58.5	118	01.0	HO	55	06	22	0120	142	472	3.01	50.0	20	16
113.0	75.0	27	48.4	118	22.0	HO	55	06	22	0446	143	500	2.86	100.0	12	37
113.0	80.0	27	42.0	118	36.5	HO	55	06	22	0921	152	472	3.22	100.0	24	135
117.0	26.0	28	55.5	114	40.1	HO	55	06	20	2234	48	303	1.60	100.0	323	259
117.0	30.0	28	48.0	114	56.2	HO	55	06	20	2023	83	286	2.91	50.0	355	452
117.0	35.0	28	37.9	115	15.9	HO	55	06	20	1716	106	593	1.79	100.0	14	201
117.0	40.0	28	27.5	115	35.0	HO	55	06	20	1436	135	509	2.66	100.0	18	350
117.0	45.0	28	13.2	115	53.2	HO	55	06	20	1113	138	475	2.90	100.0	22	19
117.0	50.0	28	02.0	116	23.5	HO	55	06	20	0708	118	507	2.32	100.0	42	217
117.0	55.0	27	55.1	116	37.0	HO	55	06	20	0351	140	466	3.00	100.0	50	20
117.0	60.0	27	48.0	116	52.0	HO	55	06	20	0136	151	450	3.35	100.0	36	6
117.0	65.0	27	38.0	117	13.0	HO	55	06	19	2206	138	498	2.77	50.0	8	10
117.0	70.0	27	27.5	117	32.0	HO	55	06	19	1946	147	444	3.31	50.0	2	7
117.0	75.0	27	14.5	117	56.1	HO	55	06	19	1611	124	521	2.38	50.0	7	30
117.0	80.0	27	01.5	118	10.5	HO	55	06	19	1327	103	581	1.77	100.0	30	58
120.0	25.0	28	23.0	114	14.3	HO	55	06	17	1938	39	186	2.09	100.0	454	1554
120.0	27.0	28	19.0	114	22.8	HO	55	06	17	2108	62	282	2.22	50.0	413	696
120.0	30.0	28	12.0	114	34.0	HO	55	06	17	2308	68	322	2.12	50.0	86	197
120.0	35.0	28	02.8	114	54.9	HO	55	06	18	0150	48	281	1.70	100.0	310	75
120.0	40.0	27	55.5	115	16.8	HO	55	06	18	0407	52	265	1.95	100.0	265	1204
120.0	45.0	27	42.7	115	33.2	HO	55	06	18	0717	114	463	2.47	50.0	120	142
120.0	50.0	27	34.2	115	48.8	HO	55	06	18	1037	137	459	2.99	100.0	49	65
120.0	55.0	27	23.1	116	10.2	HO	55	06	18	1317	140	452	3.10	100.0	15	58
120.0	60.0	27	13.0	116	29.9	HO	55	06	18	1633	144	445	3.23	25.0	0	0
120.0	70.0	26	52.8	117	10.9	HO	55	06	18	2137	158	432	3.66	50.0	7	52
120.0	80.0	26	32.8	117	48.5	HO	55	06	19	0711	127	473	2.69	50.0	4	46
123.0	37.0	27	24.1	114	39.2	HO	55	06	17	0708	59	249	2.36	12.5	0	1
123.0	40.0	27	16.6	114	51.8	HO	55	06	17	0432	114	536	2.12	25.0	2	3
123.0	45.0	27	08.0	115	10.0	HO	55	06	17	0004	147	443	3.32	50.0	3	13
123.0	50.0	26	58.5	115	32.0	HO	55	06	16	2126	137	459	2.97	25.0	3	2
123.0	55.0	26	48.8	115	50.4	HO	55	06	16	1741	135	470	2.88	25.0	3	5
123.0	60.0	26	39.5	116	08.0	HO	55	06	16	1517	140	493	2.84	100.0	6	42
127.0	34.0	26	55.5	114	05.8	HO	55	06	15	1238	50	409	1.23	25.0	2	20
127.0	40.0	26	44.5	114	29.5	HO	55	06	15	1641	143	507	2.82	25.0	4	6
127.0	45.0	26	37.9	114	48.6	HO	55	06	15	1906	127	518	2.46	25.0	3	1
127.0	50.0	26	23.5	115	08.0	HO	55	06	15	2256	130	482	2.70	25.0	10	32
127.0	55.0	26	13.2	115	27.5	HO	55	06	16	0126	142	478	2.97	100.0	40	56
127.0	60.0	26	01.5	115	50.5	HO	55	06	16	0756	125	539	2.31	100.0	12	28
130.0	30.0	26	28.7	113	27.9	HO	55	06	15	0712	48	344	1.41	100.0	35	1640
130.0	35.0	26	21.3	113	46.5	HO	55	06	15	0437	72	380	1.89	100.0	44	993
130.0	40.0	26	11.0	114	06.0	HO	55	06	15	0216	153	464	3.30	100.0	39	140
130.0	50.0	25	41.0	114	46.9	HO	55	06	14	1946	136	464	2.94	50.0	2	7

TABLE 1. (cont.)

CalCOFI Cruise 5506

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
130.0	60.0	25 29.1	115 24.5	HO	55 06 14	1437	132	498	2.64	100.0	33	99
133.0	25.0	26 04.6	112 47.8	HO	55 06 13	1308	42	276	1.51	25.0	94	41
133.0	30.0	25 54.0	113 03.3	HO	55 06 13	1606	116	440	2.64	50.0	24	227
133.0	40.0	25 34.8	113 45.5	HO	55 06 13	2116	141	426	3.31	100.0	53	81
133.0	50.0	25 15.4	114 20.1	HO	55 06 14	0516	141	454	3.10	100.0	10	116
137.0	23.0	25 21.4	112 18.6	HO	55 06 13	0738	30	333	0.91	25.0	50	67
137.0	30.0	25 09.6	112 43.8	HO	55 06 13	0406	121	501	2.42	100.0	715	925
137.0	40.0	24 52.7	113 23.9	HO	55 06 12	2246	141	493	2.85	100.0	90	36
137.0	50.0	24 37.0	114 02.6	HO	55 06 12	1631	101	557	1.82	100.0	34	64

TABLE 1. (cont.)

CalCOFI Cruise 5507

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
63.0	52.0	37 16.7	122 37.0	CR	55 07 15	0342	79	311	2.54	100.0	69	50
63.0	55.0	37 12.5	122 49.8	CR	55 07 15	0151	126	508	2.48	25.0	132	4
63.0	65.0	36 55.2	123 35.2	CR	55 07 14	2141	143	425	3.36	25.0	22	10
67.0	50.0	36 49.3	122 04.7	CR	55 07 14	0913	48	315	1.53	50.0	3	4
67.0	55.0	36 39.2	122 26.0	CR	55 07 14	1136	135	466	2.90	50.0	46	4
67.0	65.0	36 19.2	123 09.0	CR	55 07 14	1606	141	436	3.24	25.0	17	19
70.0	52.0	36 10.3	121 51.2	CR	55 07 14	0416	142	442	3.22	25.0	3	8
70.0	55.0	36 07.0	122 05.3	CR	55 07 14	0225	135	465	2.91	12.5	7	20
70.0	60.0	35 56.5	122 26.5	CR	55 07 13	2336	138	422	3.27	25.0	6	5
70.0	70.0	35 37.8	123 03.0	CR	55 07 13	1926	120	518	2.32	25.0	8	31
70.0	80.0	35 17.3	123 46.1	CR	55 07 13	1441	143	483	2.97	100.0	11	11
70.0	90.0	34 56.0	124 29.2	CR	55 07 13	0946	121	545	2.22	100.0	52	28
73.0	50.0	35 37.0	121 17.3	CR	55 07 12	1128	70	236	2.96	50.0	4	71
73.0	60.0	35 18.0	121 58.0	CR	55 07 12	1522	127	530	2.39	25.0	6	140
73.0	70.0	34 59.0	122 41.0	CR	55 07 12	1951	126	485	2.60	25.0	9	21
73.0	80.0	34 40.5	123 21.5	CR	55 07 13	0026	145	463	3.12	12.5	6	1
73.0	90.0	34 21.3	124 03.0	CR	55 07 13	0456	152	400	3.81	25.0	16	10
77.0	50.0	35 04.2	120 52.6	CR	55 07 12	0656	131	504	2.60	50.0	1	49
77.0	55.0	34 53.4	121 11.6	CR	55 07 12	0411	138	385	3.59	50.0	21	4
77.0	65.0	34 35.0	121 51.5	CR	55 07 11	2341	135	315	4.30	25.0	1	8
77.0	70.0	34 25.0	122 14.0	CR	55 07 11	2141	145	420	3.46	50.0	19	58
77.0	80.0	34 07.5	122 58.6	CR	55 07 11	1616	136	498	2.73	25.0	10	5
77.0	90.0	33 50.0	123 42.0	CR	55 07 11	1126	137	438	3.14	50.0	19	9
80.0	51.0	34 26.0	120 33.0	CR	55 07 10	1126	125	508	2.45	100.0	6	762
80.0	55.0	34 19.5	120 47.5	CR	55 07 10	1341	146	462	3.16	100.0	9	184
80.0	60.0	34 09.0	121 09.0	CR	55 07 10	1616	138	376	3.67	25.0	4	13
80.0	70.0	33 50.5	121 51.0	CR	55 07 10	2056	145	442	3.28	50.0	15	22
80.0	80.0	33 31.5	122 32.0	CR	55 07 11	0141	135	454	2.97	100.0	107	96
80.0	90.0	33 12.5	123 14.0	CR	55 07 11	0626	132	477	2.77	100.0	31	31
83.0	40.0	34 13.3	119 22.0	CR	55 07 10	0534	12	80	1.54	100.0	8	33
83.0	43.0	34 07.6	119 33.9	CR	55 07 10	0340	140	518	2.69	50.0	31	14
83.0	51.0	33 51.2	120 07.8	CR	55 07 09	2216	146	541	2.70	100.0	9	14
83.0	55.0	33 44.5	120 23.2	CR	55 07 09	1946	136	471	2.89	50.0	11	1
83.0	60.0	33 34.6	120 44.5	CR	55 07 09	1656	127	552	2.31	25.0	2	5
83.0	65.0	33 23.0	121 01.7	CR	55 07 09	1411	148	292	5.07	12.5	4	13
83.0	70.0	33 09.0	121 29.0	CR	55 07 09	1106	143	475	3.01	50.0	45	162
87.0	35.0	33 50.0	118 38.0	CR	55 07 08	0021	136	514	2.64	100.0	762	128
87.0	40.0	33 42.5	119 00.8	CR	55 07 08	0301	123	539	2.28	100.0	32	87
87.0	45.0	33 30.2	119 20.0	CR	55 07 08	0611	132	448	2.95	12.5	0	2
87.0	50.0	33 20.0	119 40.0	CR	55 07 08	0853	55	215	2.56	100.0	2	6
87.0	55.0	33 10.5	119 00.1	CR	55 07 08	1126	135	502	2.69	50.0	9	7
87.0	60.0	33 01.0	120 21.5	CR	55 07 08	1406	147	455	3.23	25.0	2	1
87.0	65.0	32 50.5	120 41.0	CR	55 07 08	1646	125	455	2.75	25.0	6	10
87.0	70.0	32 40.5	121 01.0	CR	55 07 08	1939	146	528	2.77	50.0	40	45
90.0	28.0	33 28.5	117 45.7	PT	55 07 07	2351	134	485	2.76	100.0	95	186

TABLE 1. (cont.)

CalCOFI Cruise 5507

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	30.0	33	24.7	117	55.0	PT	55	07	08	0146	108	569	1.90	100.0	268	163
90.0	37.0	33	10.2	118	23.0	PT	55	07	08	0545	140	436	3.21	100.0	55	62
90.0	45.0	32	57.4	118	53.9	PT	55	07	08	1051	142	440	3.22	100.0	6	62
90.0	50.0	32	46.5	119	19.5	PT	55	07	08	1441	115	544	2.12	50.0	9	6
90.0	55.0	32	34.5	119	37.0	PT	55	07	08	1721	131	488	2.68	50.0	23	14
90.0	60.0	32	21.5	119	56.8	PT	55	07	08	2156	132	471	2.79	100.0	106	27
90.0	65.0	32	12.3	120	17.0	PT	55	07	09	0141	133	442	3.00	100.0	77	201
90.0	70.0	32	02.1	120	36.0	PT	55	07	09	0505	158	632	2.50	50.0	11	75
90.0	75.0	31	54.0	120	57.0	PT	55	07	09	0826	130	501	2.59	50.0	4	13
90.0	80.0	31	50.3	121	07.8	PT	55	07	09	1131	139	662	2.10	50.0	23	20
90.0	85.0	31	39.2	121	27.0	PT	55	07	09	1536	129	405	3.19	100.0	19	35
90.0	90.0	31	27.6	121	53.5	PT	55	07	09	1916	147	417	3.53	50.0	8	18
93.0	27.0	32	55.6	117	18.8	PT	55	07	11	1757	96	408	2.36	12.5	12	212
93.0	30.0	32	50.6	117	30.0	PT	55	07	11	1601	142	486	2.92	50.0	112	25
93.0	35.0	32	41.5	117	49.6	PT	55	07	11	1317	111	557	2.00	100.0	64	3
93.0	40.0	32	31.7	118	08.5	PT	55	07	11	1026	141	452	3.13	100.0	7	13
93.0	45.0	32	22.0	118	30.0	PT	55	07	11	0716	127	522	2.43	100.0	6	6
93.0	50.0	32	12.0	118	51.5	PT	55	07	11	0406	131	463	2.83	50.0	9	21
93.0	55.0	32	02.2	119	12.3	PT	55	07	11	0042	126	493	2.55	50.0	54	22
93.0	60.0	31	51.9	119	33.4	PT	55	07	10	2136	139	500	2.78	50.0	55	30
93.0	65.0	31	42.6	119	54.0	PT	55	07	10	1756	112	529	2.12	50.0	18	11
93.0	70.0	31	32.3	120	16.0	PT	55	07	10	1436	131	494	2.65	100.0	5	3
93.0	75.0	31	21.1	120	38.1	PT	55	07	10	1046	143	516	2.78	100.0	8	2
93.0	80.0	31	10.2	120	58.0	PT	55	07	10	0735	119	446	2.66	100.0	45	19
93.0	85.0	31	00.3	121	18.2	PT	55	07	10	0354	146	441	3.30	100.0	14	11
93.0	90.0	30	50.0	121	35.0	PT	55	07	10	0031	128	484	2.64	100.0	49	94
97.0	30.0	32	15.2	117	09.3	PT	55	07	12	1658	55	318	1.72	100.0	51	78
97.0	32.0	32	11.7	117	16.3	PT	55	07	12	1841	135	489	2.77	100.0	51	14
97.0	35.0	32	06.1	117	31.8	PT	55	07	12	2116	142	456	3.12	100.0	6	11
97.0	40.0	31	57.7	117	53.8	PT	55	07	13	0031	129	487	2.65	50.0	21	5
97.0	45.0	31	49.0	118	16.0	PT	55	07	13	0426	136	452	3.01	100.0	9	7
97.0	50.0	31	40.0	118	37.8	PT	55	07	13	0736	141	426	3.31	100.0	5	2
97.0	55.0	31	30.1	119	00.0	PT	55	07	13	1111	140	436	3.21	50.0	9	26
97.0	60.0	31	21.5	119	18.3	PT	55	07	13	1401	131	460	2.86	100.0	3	31
97.0	65.0	31	10.0	119	39.4	PT	55	07	13	1756	136	447	3.04	100.0	1	41
97.0	70.0	30	58.7	120	00.0	PT	55	07	13	2111	149	434	3.42	100.0	11	70
97.0	75.0	30	46.3	120	23.2	PT	55	07	14	0051	126	464	2.73	50.0	6	0
97.0	80.0	30	35.7	120	42.9	PT	55	07	14	0421	139	458	3.03	100.0	5	24
97.0	85.0	30	24.6	121	03.0	PT	55	07	14	0836	141	494	2.86	100.0	3	16
97.0	90.0	30	19.6	121	12.7	PT	55	07	14	0936	138	450	3.06	50.0	4	11
100.0	29.0	31	42.0	116	43.0	PT	55	07	16	0901	137	431	3.18	12.5	0	0
100.0	30.0	31	40.3	116	45.7	PT	55	07	16	0756	136	460	2.97	25.0	0	0
100.0	35.0	31	28.0	116	56.0	PT	55	07	16	0506	135	478	2.83	100.0	4	0
100.0	40.0	31	17.3	117	19.2	PT	55	07	16	0051	124	531	2.33	100.0	19	49
100.0	45.0	31	08.2	117	41.1	PT	55	07	15	2136	137	431	3.17	100.0	26	2

TABLE 1. (cont.)

CalCOFI Cruise 5507

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
100.0	50.0	30	58.5	118	03.0	PT	55	07	15	1806	122	494	2.47	100.0	13	38
100.0	55.0	30	49.3	118	24.5	PT	55	07	15	1441	130	481	2.70	100.0	2	8
100.0	60.0	30	37.7	118	45.1	PT	55	07	15	1126	147	433	3.40	100.0	1	3
100.0	65.0	30	30.4	119	06.0	PT	55	07	15	0741	132	443	2.98	50.0	1	14
100.0	70.0	30	21.2	119	27.4	PT	55	07	15	0426	133	462	2.87	100.0	7	21
100.0	75.0	30	12.0	119	48.2	PT	55	07	15	0046	127	478	2.65	100.0	5	24
100.0	80.0	30	02.8	120	09.0	PT	55	07	14	2121	144	494	2.92	100.0	8	16
100.0	85.0	29	53.0	120	30.0	PT	55	07	14	1753	135	440	3.07	100.0	7	46
100.0	90.0	29	44.0	120	50.4	PT	55	07	14	1456	134	443	3.02	50.0	11	39
103.0	30.0	31	05.7	116	25.8	PT	55	07	16	1423	63	274	2.30	50.0	2	115
103.0	35.0	30	57.0	116	44.9	PT	55	07	16	1706	134	469	2.86	100.0	4	1
103.0	40.0	30	47.8	117	04.1	PT	55	07	16	2014	133	499	2.67	100.0	18	3
103.0	45.0	30	39.0	117	23.9	PT	55	07	16	2336	143	430	3.32	50.0	8	1
103.0	50.0	30	30.2	117	43.2	PT	55	07	17	0256	138	430	3.22	100.0	7	8
103.0	55.0	30	21.5	118	02.8	PT	55	07	17	0621	140	451	3.11	100.0	0	8
103.0	60.0	30	12.6	118	22.4	PT	55	07	17	0936	137	488	2.80	100.0	10	34
103.0	65.0	30	04.0	118	41.0	PT	55	07	17	1304	127	502	2.52	50.0	12	27
103.0	70.0	29	42.5	118	42.0	PT	55	07	20	0836	139	470	2.96	100.0	50	217
103.0	75.0	29	36.3	119	07.5	PT	55	07	20	0416	136	465	2.91	100.0	45	199
103.0	80.0	29	29.0	119	32.6	PT	55	07	20	0106	131	464	2.82	100.0	34	223
103.0	85.0	29	21.0	119	57.2	PT	55	07	19	2126	124	512	2.41	100.0	29	176
103.0	90.0	29	11.0	120	21.0	PT	55	07	19	1726	147	436	3.36	100.0	9	53
107.0	32.0	30	26.0	116	11.0	BD	55	07	22	0616	131	469	2.79	100.0	4	27
107.0	35.0	30	20.0	116	23.0	BD	55	07	22	0751	134	478	2.80	50.0	0	10
107.0	40.0	30	10.5	116	43.5	BD	55	07	22	1041	132	508	2.60	100.0	3	17
107.0	45.0	30	00.0	117	03.0	BD	55	07	22	1346	131	389	3.36	100.0	6	60
107.0	50.0	29	50.5	117	23.5	BD	55	07	22	1646	140	464	3.02	100.0	1	10
107.0	55.0	29	40.0	117	44.0	BD	55	07	22	1926	143	441	3.24	100.0	3	30
107.0	60.0	29	31.0	118	03.0	BD	55	07	22	2216	140	439	3.19	50.0	29	83
107.0	65.0	29	20.3	118	22.5	PT	55	07	18	2026	143	458	3.12	50.0	6	58
107.0	70.0	29	12.7	118	43.7	BD	55	07	18	2336	136	456	2.98	100.0	155	210
107.0	75.0	29	04.8	119	02.6	BD	55	07	19	0301	131	477	2.74	100.0	132	205
107.0	80.0	28	57.0	119	22.2	BD	55	07	19	0616	143	434	3.29	100.0	63	136
107.0	85.0	28	49.9	119	41.6	BD	55	07	19	0926	132	465	2.85	100.0	33	126
107.0	90.0	28	41.8	120	02.0	BD	55	07	19	1156	124	481	2.59	100.0	29	101
110.0	33.0	29	50.5	115	52.2	BD	55	07	22	0038	78	268	2.93	100.0	16	116
110.0	35.0	29	46.5	116	00.0	BD	55	07	21	2216	132	503	2.62	100.0	11	10
110.0	40.0	29	36.5	116	19.5	BD	55	07	21	2026	140	485	2.89	50.0	10	8
110.0	45.0	29	26.0	116	39.0	BD	55	07	21	1731	141	442	3.19	100.0	5	32
110.0	50.0	29	16.5	116	59.0	BD	55	07	21	1446	147	393	3.74	100.0	18	60
110.0	55.0	29	06.0	117	18.0	BD	55	07	21	1126	138	498	2.77	100.0	6	81
110.0	60.0	28	56.5	117	39.0	BD	55	07	21	0846	137	514	2.67	100.0	16	162
110.0	65.0	28	46.0	117	59.0	BD	55	07	21	0546	138	543	2.55	100.0	9	484
110.0	70.0	28	36.5	118	18.0	BD	55	07	21	0256	137	522	2.63	100.0	125	143
110.0	75.0	28	26.0	118	38.0	BD	55	07	20	2306	139	500	2.79	100.0	62	58

TABLE 1. (cont.)

CalCOFI Cruise 5507

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	16.5	118	56.5	BD	55	07	20	2016	137	526	2.60	100.0	126	176
110.0	85.0	28	06.0	119	17.0	BD	55	07	20	1726	140	491	2.86	100.0	26	97
110.0	90.0	27	56.0	119	36.0	BD	55	07	20	1441	138	487	2.83	100.0	23	346
113.0	30.0	29	22.5	115	17.5	BD	55	07	19	0319	45	169	2.67	50.0	48	219
113.0	35.0	29	12.0	115	39.0	BD	55	07	19	0556	138	428	3.22	100.0	23	91
113.0	40.0	29	02.0	115	58.5	BD	55	07	19	0901	133	473	2.81	50.0	3	17
113.0	45.0	28	52.0	116	18.0	BD	55	07	19	1141	144	502	2.86	100.0	29	39
113.0	50.0	28	42.0	116	37.5	BD	55	07	19	1451	154	469	3.28	100.0	30	114
113.0	55.0	28	32.0	116	57.0	BD	55	07	19	1721	136	530	2.56	100.0	34	89
113.0	60.0	28	22.0	117	16.5	BD	55	07	19	2026	136	527	2.58	100.0	64	60
113.0	65.0	28	12.0	117	36.0	BD	55	07	19	2316	137	508	2.70	50.0	27	25
113.0	70.0	28	02.0	117	55.5	BD	55	07	20	0226	145	484	3.01	50.0	20	63
113.0	75.0	27	52.0	118	17.0	BD	55	07	20	0506	135	508	2.65	100.0	57	73
113.0	80.0	27	41.0	118	35.5	BD	55	07	20	0816	137	515	2.67	100.0	60	152
117.0	26.0	28	56.0	114	41.0	BD	55	07	18	2156	58	264	2.19	50.0	70	59
117.0	30.0	28	48.0	114	56.5	BD	55	07	18	1943	99	301	3.30	100.0	178	149
117.0	35.0	28	38.0	115	16.0	BD	55	07	18	1631	137	492	2.78	50.0	6	117
117.0	40.0	28	28.0	115	35.5	BD	55	07	18	1321	131	536	2.45	100.0	23	23
117.0	45.0	28	18.0	115	55.0	BD	55	07	18	1016	134	512	2.61	100.0	13	3
117.0	50.0	28	08.0	116	15.0	BD	55	07	18	0556	136	536	2.54	100.0	46	60
117.0	55.0	27	58.0	116	34.0	BD	55	07	18	0326	137	553	2.48	100.0	283	83
117.0	60.0	27	47.5	116	54.0	BD	55	07	18	0006	140	501	2.78	25.0	31	3
117.0	65.0	27	37.0	117	13.5	BD	55	07	17	2116	138	508	2.71	100.0	52	35
117.0	70.0	27	28.0	117	33.0	BD	55	07	17	1806	142	514	2.76	100.0	20	40
117.0	75.0	27	17.0	117	53.0	BD	55	07	17	1521	133	546	2.44	100.0	47	249
117.0	80.0	27	08.0	118	11.0	BD	55	07	17	1236	143	475	3.00	100.0	19	54
120.0	25.0	28	23.0	114	14.5	BD	55	07	15	2309	37	183	2.02	100.0	688	491
120.0	30.0	28	13.0	114	34.0	BD	55	07	16	0228	68	288	2.37	50.0	499	923
120.0	35.0	28	03.0	114	54.0	BD	55	07	16	0503	75	260	2.88	100.0	186	243
120.0	40.0	27	56.5	115	14.0	BD	55	07	16	0759	34	156	2.30	100.0	18	250
120.0	45.0	27	43.0	115	33.0	BD	55	07	16	1026	138	459	3.01	50.0	14	25
120.0	50.0	27	33.0	115	53.0	BD	55	07	16	1326	141	471	3.00	100.0	28	137
120.0	55.0	27	24.0	116	12.0	BD	55	07	16	1616	141	499	2.82	100.0	1	19
120.0	60.0	27	13.0	116	32.0	BD	55	07	16	1926	138	505	2.74	100.0	84	107
120.0	70.0	26	52.0	117	10.0	BD	55	07	17	0041	140	528	2.64	50.0	22	15
120.0	80.0	26	32.0	117	48.0	BD	55	07	17	0636	142	459	3.10	100.0	27	521
123.0	37.0	27	24.0	114	39.7	BD	55	07	13	1228	62	177	3.50	50.0	2	90
123.0	40.0	27	18.0	114	51.5	BD	55	07	13	1011	144	455	3.16	50.0	8	14
123.0	45.0	27	08.0	115	11.0	BD	55	07	13	0716	140	474	2.95	100.0	23	106
123.0	50.0	26	58.0	115	31.0	BD	55	07	13	0406	141	475	2.97	100.0	105	278
123.0	55.0	26	48.0	115	50.0	BD	55	07	13	0046	137	534	2.57	100.0	110	6
123.0	60.0	26	38.5	116	09.0	BD	55	07	12	2156	143	518	2.76	100.0	101	19
127.0	34.0	26	55.3	114	06.0	BD	55	07	12	0143	68	111	6.17	100.0	0	89
127.0	40.0	26	44.0	114	30.0	BD	55	07	12	0536	144	531	2.72	100.0	34	41
127.0	45.0	26	33.0	114	49.0	BD	55	07	12	0746	142	516	2.76	50.0	13	10

TABLE 1. (cont.)

CalCOFI Cruise 5507

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	50.0	26 23.5	115 08.0	BD	55 07 12	1036	143	509	2.81	100.0	19	71
127.0	55.0	26 13.0	115 27.0	BD	55 07 12	1336	135	556	2.43	100.0	23	39
127.0	60.0	26 03.0	115 47.0	BD	55 07 12	1636	147	514	2.86	100.0	25	8
130.0	30.0	26 29.0	113 29.0	BD	55 07 11	1828	71	275	2.58	100.0	3	21
130.0	35.0	26 20.0	113 46.0	BD	55 07 11	1556	142	374	3.80	50.0	4	496
130.0	40.0	26 05.0	114 07.0	BD	55 07 11	1216	145	339	4.29	100.0	23	281
130.0	50.0	25 49.0	114 46.0	BD	55 07 11	0706	141	514	2.75	100.0	25	270
130.0	60.0	25 29.0	115 24.0	BD	55 07 11	0126	140	533	2.63	100.0	212	231
133.0	25.0	26 04.5	112 48.0	BD	55 07 10	0338	73	285	2.56	50.0	10	75
133.0	30.0	25 54.5	113 07.5	BD	55 07 10	0616	140	471	2.97	100.0	26	768
133.0	40.0	25 35.0	113 45.0	BD	55 07 10	1131	136	532	2.56	100.0	27	39
133.0	50.0	25 14.0	114 24.0	BD	55 07 10	1736	140	511	2.74	100.0	24	120
137.0	23.0	25 34.0	112 19.0	BD	55 07 09	2208	68	296	2.28	25.0	9	0
137.0	30.0	25 20.5	112 45.0	BD	55 07 09	1811	141	533	2.65	100.0	488	640
137.0	40.0	25 00.0	113 23.5	BD	55 07 09	1146	151	511	2.96	100.0	18	139
137.0	50.0	24 37.0	114 09.0	BD	55 07 09	0546	140	513	2.73	100.0	71	515

TABLE 1. (cont.)

CalCOFI Cruise 5510

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	55.0	37	47.5	123	15.0	BD	55	10	17	0647	108	372	2.91	50.0	2	9
60.0	60.0	37	37.0	123	37.0	BD	55	10	17	1021	138	432	3.18	50.0	7	12
60.0	70.0	37	17.0	124	21.0	BD	55	10	17	1746	133	475	2.79	50.0	2	22
60.0	80.0	36	57.0	125	04.0	BD	55	10	18	0056	138	474	2.90	50.0	10	22
60.0	90.0	36	39.0	125	49.0	BD	55	10	18	0812	143	470	3.03	100.0	5	7
63.0	52.0	37	19.0	122	36.0	BD	55	10	16	2358	63	287	2.19	100.0	24	203
63.0	55.0	37	14.0	122	49.5	BD	55	10	16	2116	134	496	2.69	50.0	11	14
67.0	50.0	36	49.0	122	04.6	BD	55	10	16	1122	78	312	2.49	50.0	2	456
67.0	55.0	36	39.0	122	26.0	BD	55	10	16	1446	133	514	2.58	50.0	4	30
70.0	52.0	36	08.5	121	49.8	BD	55	10	20	0746	138	469	2.94	100.0	13	63
70.0	55.0	35	55.0	121	59.0	BD	55	10	20	0456	134	477	2.82	50.0	6	26
70.0	60.0	35	45.0	122	26.0	BD	55	10	20	0001	134	411	3.27	50.0	4	11
70.0	70.0	35	33.0	123	04.0	BD	55	10	19	1716	133	401	3.32	50.0	6	43
70.0	80.0	35	13.0	123	48.0	BD	55	10	19	1136	142	467	3.04	100.0	7	9
70.0	90.0	34	53.0	124	30.0	BD	55	10	19	0231	146	478	3.06	100.0	4	7
73.0	50.0	35	37.0	121	16.6	BD	55	10	20	1458	72	249	2.89	100.0	4	1
73.0	60.0	35	18.0	121	58.0	BD	55	10	20	2101	142	494	2.88	25.0	3	10
77.0	50.0	35	04.4	120	52.0	BD	55	10	21	0757	106	377	2.81	100.0	9	23
77.0	55.0	34	54.0	121	13.0	BD	55	10	21	0406	139	474	2.93	50.0	2	13
80.0	51.0	34	26.5	120	32.5	BD	55	10	21	1428	70	279	2.52	100.0	1	18
80.0	55.0	34	19.0	120	48.0	BD	55	10	21	1716	131	504	2.61	100.0	0	13
80.0	60.0	34	09.0	121	09.0	BD	55	10	21	2205	142	498	2.86	100.0	4	12
80.0	70.0	33	53.0	121	45.0	BD	55	10	22	0536	140	604	2.31	100.0	0	4
80.0	80.0	33	28.0	122	31.0	BD	55	10	22	1316	156	453	3.44	100.0	0	11
80.0	90.0	33	09.0	123	12.0	BD	55	10	22	2046	145	503	2.88	100.0	10	3
83.0	40.0	34	14.0	119	22.0	BD	55	10	24	0804	19	155	1.25	100.0	4	16
83.0	43.0	34	08.0	119	34.0	BD	55	10	24	0516	142	515	2.75	100.0	2	8
83.0	51.0	33	52.0	120	08.5	BD	55	10	23	2246	139	495	2.81	100.0	34	32
83.0	60.0	33	33.0	120	45.0	BD	55	10	23	1631	143	516	2.77	100.0	5	27
87.0	35.0	33	50.0	118	37.5	BD	55	10	24	1441	131	553	2.37	100.0	3	36
87.0	40.0	33	40.0	118	58.5	BD	55	10	24	1826	141	495	2.84	100.0	13	2
87.0	45.0	33	30.0	119	19.0	BD	55	10	24	2211	136	522	2.61	100.0	11	22
87.0	50.0	33	20.0	119	39.5	BD	55	10	25	0208	51	246	2.09	100.0	68	5
87.0	60.0	33	00.0	120	21.5	BD	55	10	25	0841	135	542	2.49	100.0	9	2
90.0	28.0	33	28.5	117	46.7	BD	55	10	27	2356	135	513	2.64	100.0	17	19
90.0	30.0	33	24.5	117	55.0	BD	55	10	27	2131	135	543	2.48	100.0	31	119
90.0	37.0	33	11.0	118	23.0	BD	55	10	27	1656	132	526	2.51	100.0	3	40
90.0	45.0	32	54.5	118	56.0	BD	55	10	27	1111	139	514	2.69	100.0	1	5
90.0	55.0	32	35.0	119	37.0	BD	55	10	27	0416	137	486	2.83	100.0	3	0
90.0	60.0	32	25.0	119	57.5	BD	55	10	27	0001	140	486	2.88	100.0	2	2
90.0	70.0	32	06.0	120	30.0	BD	55	10	26	1656	146	482	3.03	100.0	0	0
90.0	80.0	31	41.0	121	22.0	BD	55	10	26	1056	148	495	2.99	100.0	2	11
90.0	90.0	31	25.0	121	57.0	BD	55	10	26	0236	136	538	2.52	100.0	8	33
93.0	27.0	32	56.0	117	19.0	BD	55	10	28	1042	90	363	2.48	100.0	2	2
93.0	30.0	32	50.0	117	31.5	BD	55	10	28	1221	144	495	2.91	100.0	4	29

TABLE 1. (cont.)

CalCOFI Cruise 5510

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	40.0	32	30.0	118	12.5	BD	55	10	28	1921	138	507	2.71	25.0	0	0
93.0	50.0	32	10.0	118	53.0	BD	55	10	29	0116	139	481	2.89	100.0	12	4
93.0	60.0	31	50.0	119	32.0	BD	55	10	29	0716	140	505	2.77	100.0	6	1
97.0	30.0	32	15.4	117	08.8	BD	55	10	30	0818	56	226	2.46	100.0	15	23
97.0	32.0	32	11.5	117	17.0	BD	55	10	30	0626	139	522	2.67	100.0	6	31
97.0	40.0	31	56.0	117	50.0	BD	55	10	30	0116	148	480	3.09	100.0	1	3
97.0	50.0	31	32.0	118	26.0	BD	55	10	29	1931	138	520	2.66	100.0	12	0
97.0	60.0	31	15.5	119	09.0	BD	55	10	29	1341	144	479	3.00	100.0	4	4
100.0	29.0	31	42.5	116	43.0	ST	55	10	27	1553	63	276	2.28	50.0	10	1
100.0	30.0	31	39.0	116	46.5	ST	55	10	27	1336	145	451	3.22	100.0	5	18
100.0	40.0	31	22.0	117	25.0	ST	55	10	27	0918	134	526	2.54	100.0	1	1
100.0	60.0	30	43.0	118	49.0	ST	55	10	26	2226	138	454	3.05	100.0	6	1
100.0	70.0	30	22.0	119	28.0	ST	55	10	26	1631	132	568	2.33	100.0	4	0
100.0	80.0	30	02.0	120	05.5	ST	55	10	26	1143	121	560	2.16	100.0	33	66
103.0	30.0	31	05.0	116	25.0	ST	55	10	27	1932	51	252	2.02	50.0	17	10
103.0	35.0	30	55.0	116	45.0	ST	55	10	27	2213	129	453	2.84	100.0	51	1
103.0	40.0	30	45.0	117	05.5	ST	55	10	28	0111	139	420	3.30	100.0	13	12
107.0	32.0	30	26.0	116	11.0	ST	55	10	28	1101	125	486	2.57	100.0	2	1
107.0	35.0	30	21.0	116	23.5	ST	55	10	28	0848	110	566	1.94	100.0	7	1
107.0	40.0	30	11.0	116	44.0	ST	55	10	28	0556	149	399	3.73	100.0	1	1
110.0	33.0	29	50.5	115	52.5	ST	55	10	24	1057	81	420	1.92	100.0	18	15
110.0	35.0	29	46.5	116	00.0	ST	55	10	24	1243	129	467	2.76	100.0	4	1
110.0	40.0	29	36.5	116	19.5	ST	55	10	24	1556	146	386	3.77	100.0	3	0
110.0	50.0	29	16.0	116	59.0	ST	55	10	24	2106	128	526	2.43	100.0	18	4
110.0	60.0	28	55.5	117	38.0	ST	55	10	25	0226	139	455	3.05	100.0	26	2
110.0	70.0	28	34.0	118	18.5	ST	55	10	25	0717	125	527	2.37	100.0	12	5
110.0	80.0	28	16.0	118	57.5	ST	55	10	25	1221	135	462	2.92	100.0	28	12
110.0	90.0	27	56.0	119	36.0	ST	55	10	25	1726	130	481	2.71	100.0	104	24
113.0	30.0	29	23.0	115	18.0	ST	55	10	24	0619	42	87	4.84	50.0	34	32
113.0	35.0	29	10.5	115	41.5	ST	55	10	24	0306	129	349	3.71	100.0	30	49
113.0	40.0	29	02.0	115	58.5	ST	55	10	23	2326	123	395	3.11	100.0	22	0
117.0	26.0	28	56.0	114	41.0	ST	55	10	22	2158	47	329	1.44	50.0	169	13
117.0	30.0	28	48.0	114	56.5	ST	55	10	23	0013	63	262	2.40	50.0	71	183
117.0	35.0	28	38.0	115	16.0	ST	55	10	23	0326	136	404	3.38	50.0	74	25
117.0	40.0	28	28.0	115	36.0	ST	55	10	23	0651	124	378	3.28	100.0	30	167
120.0	27.0	28	18.5	114	22.5	ST	55	10	22	1538	60	252	2.38	100.0	26	115
120.0	30.0	28	13.0	114	34.0	ST	55	10	22	0838	58	285	2.02	100.0	91	715
120.0	35.0	28	03.0	114	54.0	ST	55	10	22	0556	68	327	2.10	100.0	42	338
120.0	45.0	27	43.0	115	33.0	ST	55	10	22	0106	122	519	2.35	100.0	56	68
120.0	50.0	27	33.0	115	52.5	ST	55	10	21	2046	134	386	3.48	100.0	17	3
120.0	60.0	27	12.5	116	31.0	ST	55	10	21	1516	132	485	2.72	100.0	5	6
120.0	70.0	26	52.5	117	10.0	ST	55	10	21	1006	110	564	1.97	100.0	36	14
120.0	80.0	26	37.0	117	50.0	ST	55	10	21	0446	133	527	2.52	100.0	61	21
120.0	90.0	26	15.0	118	28.0	ST	55	10	20	2336	128	481	2.65	100.0	264	32
123.0	37.0	27	27.0	114	40.0	ST	55	10	19	2228	66	220	3.00	100.0	15	411

TABLE 1. (cont.)

CalCOFI Cruise 5510

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
123.0	40.0	27	18.0	114	51.5	ST	55	10	20	0113	113	507	2.22	50.0	70	121
123.0	50.0	26	57.0	115	35.0	ST	55	10	20	0613	139	470	2.95	100.0	35	13
123.0	60.0	26	39.0	116	08.5	ST	55	10	20	1031	121	479	2.52	50.0	13	3
127.0	34.0	26	55.0	114	06.0	ST	55	10	19	0108	64	293	2.18	100.0	86	166
127.0	40.0	26	41.5	114	31.5	ST	55	10	18	2145	128	450	2.84	50.0	33	4
127.0	50.0	26	24.0	115	07.0	ST	55	10	18	1640	131	473	2.78	100.0	10	4
127.0	60.0	26	08.0	115	37.0	ST	55	10	18	1211	151	454	3.34	100.0	19	23
130.0	30.0	26	29.5	113	28.0	ST	55	10	17	1259	63	277	2.29	100.0	1	39
130.0	35.0	26	19.0	113	48.0	ST	55	10	17	1511	134	316	4.24	100.0	21	151
130.0	40.0	26	08.0	114	06.0	ST	55	10	17	1853	135	444	3.05	100.0	112	22
130.0	50.0	25	46.0	114	43.0	ST	55	10	18	0038	117	488	2.39	100.0	185	5
130.0	60.0	25	25.0	115	18.0	ST	55	10	18	0611	130	529	2.46	100.0	97	9
133.0	25.0	26	04.5	112	48.0	ST	55	10	17	0646	70	221	3.16	100.0	6	7
133.0	30.0	25	53.0	113	07.0	ST	55	10	17	0328	120	460	2.61	50.0	9	33
137.0	23.0	25	33.5	112	20.0	ST	55	10	16	1421	66	269	2.44	100.0	3	208
137.0	30.0	25	19.0	112	48.5	ST	55	10	16	1942	122	413	2.94	100.0	20	10

TABLE 1. (cont.)

CalCOFI Cruise 5512

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
80.0	51.0	34	26.0	120	33.0	ST	55	11	30	0957	96	395	2.42	100.0	3	0
80.0	55.0	34	19.0	120	48.0	ST	55	11	30	1316	142	498	2.86	100.0	16	118
80.0	60.0	34	09.0	121	09.0	ST	55	11	30	1651	142	553	2.57	100.0	3	53
80.0	70.0	33	48.0	121	50.5	ST	55	11	30	2341	140	535	2.62	100.0	21	41
80.0	80.0	33	24.0	122	32.0	ST	55	12	01	0616	135	545	2.47	100.0	10	9
80.0	90.0	32	59.5	123	13.0	ST	55	12	01	1146	135	474	2.84	100.0	2	3
83.0	40.0	34	13.5	119	22.0	ST	55	12	03	0719	15	134	1.12	100.0	17	62
83.0	43.0	34	07.0	119	34.0	ST	55	12	03	0546	136	500	2.72	100.0	6	5
83.0	51.0	33	51.5	120	08.0	ST	55	12	02	0712	141	418	3.37	100.0	17	52
83.0	60.0	33	33.5	120	45.0	ST	55	12	02	0156	141	488	2.89	100.0	12	40
87.0	35.0	33	50.0	118	38.0	ST	55	12	03	2141	140	592	2.36	100.0	27	124
87.0	40.0	33	40.0	118	59.0	ST	55	12	04	0056	136	606	2.25	100.0	32	201
87.0	50.0	33	20.0	119	40.0	ST	55	12	04	0528	68	218	3.13	100.0	37	7
87.0	60.0	33	00.0	120	21.5	ST	55	12	04	1226	145	472	3.08	50.0	2	24
90.0	28.0	33	28.5	117	46.0	ST	55	12	06	0336	129	528	2.44	100.0	11	31
90.0	30.0	33	24.0	117	54.5	ST	55	12	06	0156	130	540	2.40	100.0	10	84
90.0	37.0	33	10.5	118	24.0	ST	55	12	05	2206	138	537	2.58	100.0	40	358
90.0	45.0	32	54.5	118	56.0	ST	55	12	05	1811	140	461	3.00	100.0	12	605
90.0	55.0	32	36.0	119	36.0	ST	55	12	05	1336	139	490	2.84	100.0	5	37
90.0	60.0	32	26.0	119	56.5	ST	55	12	05	1006	131	486	2.70	100.0	7	31
90.0	70.0	32	06.0	120	37.0	ST	55	12	05	0456	136	502	2.70	50.0	3	14
90.0	80.0	31	44.5	121	19.0	ST	55	12	04	2311	140	482	2.91	100.0	2	2
93.0	27.0	32	55.5	117	18.5	ST	55	12	06	0828	76	298	2.56	100.0	10	1
93.0	30.0	32	50.0	117	31.0	ST	55	12	06	1656	138	544	2.53	100.0	6	73
93.0	40.0	32	30.0	118	12.0	ST	55	12	06	2206	125	548	2.27	50.0	18	67
93.0	50.0	32	10.0	118	53.0	ST	55	12	07	0306	143	480	2.97	100.0	4	7
97.0	30.0	32	14.0	117	07.0	ST	55	12	07	1909	42	181	2.31	100.0	8	11
97.0	32.0	32	11.0	117	16.5	ST	55	12	07	1736	142	462	3.06	100.0	6	990
97.0	40.0	31	55.0	117	49.0	ST	55	12	07	1240	140	486	2.88	100.0	9	1
97.0	50.0	31	33.5	118	29.0	ST	55	12	07	0756	141	443	3.19	100.0	2	6
100.0	29.0	31	42.0	116	43.5	ST	55	12	07	2343	77	274	2.81	50.0	4	0
100.0	30.0	31	40.5	116	46.5	ST	55	12	08	0126	139	510	2.72	100.0	30	28
100.0	40.0	31	21.0	117	27.0	ST	55	12	08	0705	145	476	3.04	100.0	4	57
100.0	50.0	31	01.0	118	07.0	ST	55	12	08	1236	126	553	2.28	100.0	6	2
100.0	60.0	30	38.0	118	50.0	ST	55	12	08	1826	111	454	2.44	100.0	7	3
100.0	70.0	30	19.0	119	29.0	ST	55	12	09	0006	140	479	2.93	50.0	6	2
100.0	80.0	29	58.0	120	09.5	ST	55	12	09	0516	140	469	2.97	100.0	4	4
103.0	30.0	31	04.0	116	25.0	ST	55	12	10	0928	43	249	1.74	100.0	8	87
103.0	35.0	30	56.0	116	44.0	ST	55	12	10	0706	138	460	3.01	100.0	21	16
103.0	40.0	30	49.0	116	58.0	ST	55	12	10	0426	140	464	3.02	50.0	0	3
103.0	50.0	30	28.0	117	39.0	ST	55	12	09	2126	144	453	3.17	100.0	6	1
103.0	60.0	30	07.0	118	21.0	ST	55	12	09	1526	136	490	2.77	50.0	1	0
107.0	32.0	30	24.5	116	10.5	ST	55	12	10	1826	136	502	2.71	100.0	29	550
107.0	35.0	30	20.0	116	23.0	ST	55	12	10	2026	140	451	3.11	50.0	3	0
107.0	40.0	30	10.0	116	43.0	ST	55	12	10	2356	131	505	2.59	100.0	0	1

TABLE 1. (cont.)

CalCOFI Cruise 5512

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
107.0	50.0	29	49.0	117	23.5	ST	55	12	11	0506	137	503	2.72	25.0	2	1
107.0	60.0	29	28.5	118	01.0	ST	55	12	11	1046	140	490	2.87	100.0	3	1
110.0	33.0	29	50.5	115	52.0	ST	55	12	13	0038	76	328	2.32	50.0	29	39
110.0	35.0	29	45.0	115	59.5	ST	55	12	12	2236	132	514	2.57	50.0	15	93
110.0	40.0	29	33.5	116	20.0	ST	55	12	12	1811	148	401	3.70	100.0	12	19
110.0	60.0	28	56.5	117	43.5	ST	55	12	12	0706	126	535	2.36	50.0	0	0
110.0	70.0	28	38.5	118	19.0	ST	55	12	12	0136	133	507	2.62	50.0	15	4
110.0	80.0	28	19.5	118	54.0	ST	55	12	11	1956	142	473	3.00	50.0	7	3
113.0	30.0	29	22.5	115	18.0	ST	55	12	13	0543	73	299	2.45	50.0	142	0
113.0	35.0	29	11.5	115	40.0	ST	55	12	13	0841	123	580	2.12	100.0	86	52
113.0	40.0	29	02.0	115	58.5	ST	55	12	13	1146	134	505	2.65	100.0	14	192
113.0	50.0	28	42.0	116	37.0	ST	55	12	13	1646	131	534	2.45	100.0	1	11
113.0	60.0	28	22.0	117	16.0	ST	55	12	13	2136	135	511	2.64	100.0	18	2
113.0	70.0	28	02.0	117	55.0	ST	55	12	14	0246	138	482	2.86	100.0	7	0
117.0	26.0	28	56.0	114	41.0	BD	55	12	14	1043	61	209	2.93	100.0	11	27
117.0	30.0	28	48.0	114	56.5	BD	55	12	14	1333	73	249	2.94	100.0	27	68
117.0	35.0	28	38.0	115	16.0	BD	55	12	14	1621	138	432	3.20	50.0	43	516
117.0	40.0	28	28.0	115	35.5	ST	55	12	14	2341	145	484	2.99	100.0	20	74
117.0	50.0	28	11.0	116	17.0	ST	55	12	14	1746	136	516	2.63	100.0	15	30
117.0	60.0	27	49.0	116	53.0	ST	55	12	14	1246	136	510	2.68	100.0	2	1
117.0	70.0	27	28.0	117	32.5	ST	55	12	14	0726	139	483	2.88	100.0	1	0
120.0	25.0	28	23.0	114	14.5	BD	55	12	14	0539	45	188	2.39	100.0	94	216
120.0	30.0	28	13.0	114	34.0	BD	55	12	14	0218	81	299	2.70	50.0	35	59
120.0	35.0	28	03.0	114	54.0	BD	55	12	13	2258	61	240	2.53	50.0	47	88
120.0	40.0	27	56.5	115	14.0	BD	55	12	13	2014	15	94	1.63	100.0	78	147
120.0	45.0	27	44.0	115	30.0	BD	55	12	13	1706	139	480	2.89	100.0	6	27
120.0	50.0	27	33.0	115	52.5	BD	55	12	13	1351	139	517	2.71	100.0	0	1
120.0	55.0	27	23.0	116	12.0	BD	55	12	13	1001	138	508	2.72	100.0	3	1
120.0	60.0	27	13.0	116	31.5	BD	55	12	13	0601	138	507	2.72	100.0	5	0
120.0	70.0	26	52.5	117	10.0	BD	55	12	12	2326	136	542	2.52	100.0	6	2
123.0	37.0	27	24.0	114	39.7	BD	55	12	12	0058	60	231	2.62	100.0	18	270
123.0	40.0	27	18.0	114	51.5	BD	55	12	12	0256	138	398	3.47	100.0	17	333
123.0	50.0	26	58.0	115	32.0	BD	55	12	12	0841	138	466	2.96	100.0	2	36
123.0	55.0	26	48.2	115	49.7	BD	55	12	12	1256	142	503	2.82	100.0	1	4
127.0	34.0	26	55.3	114	06.0	BD	55	12	11	1858	70	270	2.59	100.0	9	156
127.0	40.0	26	44.0	114	28.0	BD	55	12	11	1436	140	527	2.66	100.0	2	3
127.0	50.0	26	23.5	115	08.0	BD	55	12	11	0721	138	504	2.73	100.0	5	1
127.0	55.0	26	13.5	115	27.0	BD	55	12	11	0311	140	502	2.79	100.0	31	16
130.0	30.0	26	29.0	113	29.0	BD	55	12	10	0518	72	270	2.66	12.5	30	325
130.0	35.0	26	19.0	113	48.5	BD	55	12	10	0821	141	483	2.93	100.0	23	330
130.0	40.0	26	09.0	114	07.5	BD	55	12	10	1326	140	434	2.82	100.0	1	8
130.0	50.0	25	49.0	114	46.0	BD	55	12	10	1926	139	495	2.80	100.0	3	2
133.0	25.0	26	04.5	112	48.0	BD	55	12	09	1103	57	219	2.61	25.0	6	1635
133.0	30.0	25	54.5	113	07.5	BD	55	12	09	1436	135	409	3.29	100.0	4	848
133.0	40.0	25	34.5	113	45.5	BD	55	12	09	2101	141	498	2.83	50.0	6	4

TABLE 1. (cont.)

CalCOFI Cruise 5512

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
137.0	23.0	25	29.5	112	17.5	BD	55	12	09	0459	141	478	2.87	100.0	4	382
137.0	30.0	25	19.0	112	38.5	BD	55	12	09	0137	102	323	3.15	100.0	5	24
137.0	40.0	24	59.0	113	23.0	BD	55	12	08	1711	64	222	2.94	100.0	29	9
140.0	30.0	24	45.0	112	24.0	BD	55	12	08	0232	105	373	2.80	100.0	49	301
140.0	35.0	24	36.0	112	43.0	BD	55	12	08	0546	143	464	3.09	50.0	1	134
140.0	40.0	24	25.5	113	02.0	BD	55	12	08	0921	135	445	3.03	100.0	16	265
143.0	26.0	24	19.0	111	48.0	BD	55	12	07	1953	59	258	2.28	100.0	12	628
143.0	30.0	24	11.0	112	03.0	BD	55	12	07	1646	144	474	3.03	100.0	5	133
143.0	35.0	24	01.0	112	22.0	BD	55	12	07	1256	150	469	3.19	100.0	7	135
147.0	20.0	23	56.0	111	03.5	BD	55	12	06	2127	116	445	2.60	100.0	34	11
147.0	25.0	23	46.5	111	22.5	BD	55	12	07	0111	138	498	2.77	100.0	25	55
147.0	30.0	23	36.0	111	41.5	BD	55	12	07	0511	143	485	2.96	100.0	41	132
150.0	19.0	23	23.7	110	39.0	BD	55	12	06	1406	147	497	2.96	100.0	4	27
150.0	25.0	23	12.0	111	01.5	BD	55	12	06	0936	138	503	2.75	100.0	4	102
150.0	30.0	23	04.0	111	21.0	BD	55	12	06	0406	136	497	2.73	100.0	31	26

TABLE 2. Pooled occurrences of fish larvae taken during CalCOFI cruises in 1955.

Rank	Taxon	Occurrences
1	*Sebastes* spp.	637
2	*Engraulis mordax*	569
3	*Leuroglossus stilbius*	508
4	*Triphoturus mexicanus*	475
5	*Merluccius productus*	439
6	*Trachurus symmetricus*	369
7	*Vinciguerria lucetia*	338
8	*Protomyctophum crockeri*	312
9	*Lampanyctus ritteri*	296
10	*Bathylagus wesethi*	286
11	*Diogenichthys laternatus*	265
12	*Sardinops sagax*	255
13	*Stenobrachius leucopsarus*	251
14	*Citharichthys stigmaeus*	206
15	*Cyclothone* spp.	184
16	*Melamphaes* spp.	166
17	*Citharichthys xanthostigma*	163
18	*Bathylagus ochotensis*	162
19	*Citharichthys* spp.	158
20	Disintegrated fish larva	124
21	*Citharichthys fragilis*	107
22	*Icichthys lockingtoni*	105
23	*Tarletonbeania crenularis*	103
24	*Symbolophorus californiensis*	102
25	Unidentified fish larva	99
26	*Scomber japonicus*	93
27	*Diogenichthys atlanticus*	90
28	*Stomias atriventer*	87
29	*Diaphus* spp.	81
29	*Argentina sialis*	81
31	Paralepididae	80
32	*Tetragonurus cuvieri*	65
33	*Nansenia crassa*	61
33	Sciaenidae	61
35	Myctophidae	60
36	*Ceratoscopelus townsendi*	58
36	*Lampanyctus* spp.	58
38	*Lyopsetta exilis*	57
38	Cottidae	57
38	Labridae	57
41	Gobiidae	56
41	*Citharichthys sordidus*	56
43	*Cololabis saira*	54
44	*Parophrys vetulus*	50
45	*Chauliodus macouni*	49
46	*Peprilus simillimus*	47
47	*Hygophum atratum*	43
48	*Synodus* spp.	41

TABLE 2. (cont.)

Rank	Taxon	Occurrences
48	Sternoptychidae	41
50	*Gonichthys tenuiculus*	37
51	Scopelarchidae	34
52	*Ichthyococcus* spp.	30
52	*Microstomus pacificus*	30
54	*Pleuronichthys verticalis*	26
54	Ophidiiformes	26
56	Trichiuridae	25
57	Chiasmodontidae	24
58	*Notoscopelus resplendens*	23
58	*Pleuronichthys* spp.	23
60	*Hippoglossina stomata*	22
60	*Microstoma microstoma*	22
60	*Paralichthys californicus*	22
63	*Lampanyctus regalis*	19
64	*Pleuronichthys coenosus*	17
65	Clinidae	15
66	*Chilara taylori*	14
66	*Hypsoblennius* spp.	14
66	*Loweina rara*	14
69	*Hygophum reinhardtii*	13
69	Trachipteridae	13
69	Pleuronectiformes	13
69	*Myctophum nitidulum*	13
73	*Symphurus* spp.	11
74	*Lampadena urophaos*	10
74	*Idiacanthus antrostomus*	10
74	Agonidae	10
77	*Nansenia candida*	8
78	*Scopelogadus bispinosus*	6
78	*Syngnathus* spp.	6
78	*Diogenichthys* spp.	6
78	*Hygophum* spp.	6
78	*Brosmophycis marginata*	6
83	*Medialuna californiensis*	5
83	*Glyptocephalus zachirus*	5
83	*Etrumeus acuminatus*	5
83	Cyclopteridae	5
83	*Bathophilus* spp.	5
88	*Pleuronichthys decurrens*	4
88	Anguilliformes	4
88	*Poromitra* spp.	4
88	*Caulolatilus princeps*	4
88	*Pleuronichthys ritteri*	4
88	*Aristostomias scintillans*	4
88	*Xystreurys liolepis*	4
88	*Zaniolepis* spp.	4
88	*Scorpaenichthys marmoratus*	4
88	*Ophidion scrippsae*	4

TABLE 2. (cont.)

Rank	Taxon	Occurrences
88	***Chromis punctipinnis***	4
99	***Sphyraena argentea***	3
99	***Bathylagus*** spp.	3
99	Stomiiformes	3
99	Atherinidae	3
99	***Bregmaceros*** spp.	3
99	Macrouridae	3
105	***Ophiodon elongatus***	2
105	***Bathylagus pacificus***	2
105	***Seriola lalandi***	2
105	Scombridae	2
105	***Macroramphosus gracilis***	2
105	***Brama*** spp.	2
111	***Myctophum aurolaternatum***	1
111	***Electrona rissoi***	1
111	Alepocephalidae	1
111	***Notolychnus valdiviae***	1
111	Engraulidae	1
111	***Bothus*** spp.	1
111	Serranidae	1
111	***Diplophos taenia***	1
111	Evermannellidae	1
111	***Scopelosaurus*** spp.	1
111	Gobiesocidae	1
111	***Bathylagus milleri***	1
111	Carapidae	1
111	Tetraodontidae	1

TABLE 3. Pooled numbers of fish larvae taken during CalCOFI cruises in 1955. Counts are adjusted for percent of sample sorted and standard haul factor (see text).

Rank	Taxon	Count
1	*Engraulis mordax*	139090
2	*Merluccius productus*	61516
3	*Sebastes* spp.	27466
4	*Leuroglossus stilbius*	14793
5	*Sardinops sagax*	14189
6	*Trachurus symmetricus*	13269
7	*Triphoturus mexicanus*	12788
8	*Vinciguerria lucetia*	12641
9	*Stenobrachius leucopsarus*	7479
10	*Citharichthys* spp.	7058
11	*Diogenichthys laternatus*	4715
12	*Citharichthys xanthostigma*	4280
13	*Citharichthys fragilis*	3463
14	*Bathylagus wesethi*	3231
15	*Citharichthys stigmaeus*	2708
16	*Lampanyctus ritteri*	2088
17	*Scomber japonicus*	1958
18	*Protomyctophum crockeri*	1681
19	*Cyclothone* spp.	1523
20	*Icichthys lockingtoni*	1372
21	*Bathylagus ochotensis*	1295
22	Sciaenidae	1211
23	*Diaphus* spp.	936
24	*Peprilus simillimus*	928
25	*Argentina sialis*	846
26	*Tarletonbeania crenularis*	842
27	*Melamphaes* spp.	741
28	*Diogenichthys atlanticus*	697
29	*Synodus* spp.	643
30	*Symbolophorus californiensis*	629
31	Disintegrated fish larva	586
32	Unidentified fish larva	553
33	Labridae	526
34	*Lyopsetta exilis*	514
35	*Tetragonurus cuvieri*	486
36	*Ceratoscopelus townsendi*	443
37	Cottidae	428
38	*Stomias atriventer*	418
39	*Lampanyctus* spp.	388
40	*Cololabis saira*	352
41	*Pleuronichthys verticalis*	343
42	*Parophrys vetulus*	342
43	Paralepididae	317
44	*Citharichthys sordidus*	312
45	*Hygophum atratum*	301
46	*Nansenia crassa*	277
47	*Pleuronichthys* spp.	266

TABLE 3. (cont.)

Rank	Taxon	Count
48	Gobiidae	234
49	Myctophidae	228
50	***Paralichthys californicus***	217
51	***Chauliodus macouni***	205
52	Sternoptychidae	183
53	***Microstomus pacificus***	177
54	***Gonichthys tenuiculus***	144
55	Pleuronectiformes	138
56	***Hippoglossina stomata***	133
57	Clinidae	122
58	Scopelarchidae	113
59	***Ichthyococcus*** spp.	112
60	***Sphyraena argentea***	109
61	Trichiuridae	107
62	***Notoscopelus resplendens***	101
63	Ophidiiformes	99
64	***Microstoma microstoma***	95
65	Chiasmodontidae	93
66	***Lampanyctus regalis***	92
67	***Pleuronichthys coenosus***	91
68	***Pleuronichthys ritteri***	87
69	Trachipteridae	74
70	***Hypsoblennius*** spp.	71
71	***Symphurus*** spp.	66
72	***Etrumeus acuminatus***	60
72	***Hygophum reinhardtii***	60
74	***Xystreurys liolepis***	52
75	***Myctophum nitidulum***	51
76	***Caulolatilus princeps***	50
77	***Chilara taylori***	49
78	***Loweina rara***	41
79	***Lampadena urophaos***	39
80	***Bregmaceros*** spp.	36
80	Agonidae	36
82	***Hygophum*** spp.	33
83	***Bathophilus*** spp.	32
84	***Nansenia candida***	31
85	***Idiacanthus antrostomus***	30
86	***Glyptocephalus zachirus***	29
87	Cyclopteridae	27
88	***Brosmophycis marginata***	24
89	***Syngnathus*** spp.	22
90	***Zaniolepis*** spp.	20
91	***Ophidion scrippsae***	19
92	***Diogenichthys*** spp.	18
93	Atherinidae	17
93	***Medialuna californiensis***	17
93	***Scopelogadus bispinosus***	17

TABLE 3. (cont.)

Rank	Taxon	Count
96	***Scorpaenichthys marmoratus***	16
97	***Chromis punctipinnis***	15
97	***Bathylagus pacificus***	15
97	***Poromitra*** spp.	15
97	***Aristostomias scintillans***	15
101	Anguilliformes	14
101	Stomiiformes	14
101	***Pleuronichthys decurrens***	14
104	***Bathylagus*** spp.	11
104	Macrouridae	11
106	Scombridae	8
106	***Seriola lalandi***	8
108	***Brama*** spp.	6
108	***Macroramphosus gracilis***	6
108	***Myctophum aurolaternatum***	6
111	Engraulidae	5
112	***Ophiodon elongatus***	4
113	***Electrona rissoi***	3
113	***Bathylagus milleri***	3
113	Serranidae	3
113	***Scopelosaurus*** spp.	3
113	Evermannellidae	3
113	Carapidae	3
113	Tetraodontidae	3
113	***Diplophos taenia***	3
113	Alepocephalidae	3
113	***Notolychnus valdiviae***	3
123	***Bothus*** spp.	2
123	Gobiesocidae	2
	Total	357046

TABLE 4. Numbers of fish larvae taken on stations occupied during CalCOFI cruises in 1955. Counts are adjusted for percent of sample sorted and standard haul factor (see text). Average number is given for stations occupied more than once during a calendar month. Unoccupied stations are indicated by a dash.

Anguilliformes

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	45.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
140.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	–	–	6.1
147.0	25.0	0.0	0.0	0.0	–	–	–	–	–	–	–	–	2.8
157.0	20.0	2.8	0.0	0.0	–	–	–	–	–	–	–	–	–

Etrumeus acuminatus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2	–	–	–	–	0.0
120.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	–	–	–	–	0.0
153.0	20.0	25.8	0.0	0.0	–	–	–	–	–	–	–	–	–
157.0	10.0	6.7	0.0	0.0	–	–	–	–	–	–	–	–	–
157.0	20.0	2.8	0.0	0.0	–	–	–	–	–	–	–	–	–

Sardinops sagax

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	–	–	0.0	0.0	–
83.0	70.0	–	–	–	0.0	–	0.0	18.1	–	–	–	–	–
87.0	35.0	0.0	0.0	0.0	2.8	0.0	17.6	0.0	–	–	0.0	–	0.0
87.0	55.0	–	–	–	–	5.3	0.0	0.0	–	–	–	–	–
87.0	60.0	0.0	0.0	–	0.0	0.0	28.9	0.0	–	–	0.0	–	0.0
87.0	70.0	–	–	–	0.0	–	0.0	5.5	–	–	–	–	–
90.0	55.0	–	–	–	–	0.0	196.7	0.0	–	–	0.0	–	0.0
90.0	60.0	0.0	0.0	0.0	8.1	0.0	710.5	39.1	–	–	0.0	–	0.0
90.0	65.0	–	–	–	–	0.0	290.6	51.0	–	–	–	–	–
90.0	70.0	0.0	0.0	5.8	0.0	3.0	0.0	0.0	–	–	0.0	–	0.0
93.0	35.0	–	–	–	–	0.0	12.4	0.0	–	–	–	–	–
93.0	40.0	0.0	0.0	0.0	0.0	0.0	23.8	0.0	–	–	0.0	–	0.0
93.0	45.0	–	–	–	–	15.7	0.0	0.0	–	–	–	–	–
93.0	50.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–	0.0	–	0.0
93.0	55.0	–	–	–	–	0.0	5.0	0.0	–	–	–	–	–
93.0	60.0	–	–	0.0	5.7	0.0	0.0	83.4	–	–	0.0	–	–
93.0	70.0	–	–	3.5	0.0	0.0	153.6	0.0	–	–	–	–	–
93.0	75.0	–	–	–	–	0.0	5.5	0.0	–	–	–	–	–
93.0	80.0	–	–	–	0.0	0.0	0.0	10.6	–	–	–	–	–
97.0	30.0	0.0	0.0	1.6	0.0	–	1.3	0.0	–	–	0.0	–	0.0
97.0	32.0	0.0	0.0	0.0	0.0	–	22.1	5.5	–	–	0.0	–	0.0
97.0	35.0	–	–	–	–	–	18.0	0.0	–	–	–	–	–
97.0	40.0	0.0	0.0	2.2	35.3	–	70.9	0.0	–	–	0.0	–	0.0
97.0	50.0	0.0	0.0	6.9	8.2	–	21.5	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Sardinops sagax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	55.0	–	–	–	–	–	19.3	0.0	–	–	–	–	–
97.0	60.0	–	–	5.3	15.1	–	0.0	0.0	–	–	0.0	–	–
97.0	70.0	–	–	2.3	6.4	–	45.2	0.0	–	–	–	–	–
97.0	80.0	–	–	–	148.2	–	12.5	0.0	–	–	–	–	–
100.0	30.0	0.0	0.0	0.0	0.0	–	3.2	0.0	–	–	0.0	–	0.0
100.0	35.0	–	–	–	–	–	21.7	0.0	–	–	–	–	–
100.0	40.0	0.0	0.0	0.0	0.0	–	8.5	0.0	–	–	0.0	–	0.0
100.0	45.0	–	–	–	–	–	11.9	0.0	–	–	–	–	–
100.0	50.0	0.0	0.0	0.0	53.6	–	38.4	0.0	–	–	–	–	0.0
100.0	60.0	0.0	0.0	6.9	17.3	–	0.0	0.0	–	–	0.0	–	0.0
100.0	70.0	0.0	0.0	5.8	31.5	–	0.0	0.0	–	–	0.0	–	0.0
100.0	80.0	0.0	0.0	0.0	107.3	–	0.0	0.0	–	–	0.0	–	0.0
100.0	90.0	–	–	0.0	62.1	–	0.0	0.0	–	–	–	–	–
103.0	30.0	0.0	0.0	0.0	0.0	–	2.8	0.0	–	–	0.0	–	0.0
103.0	35.0	0.0	0.0	0.0	72.2	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	17.3	0.0	53.5	–	0.0	0.0	–	–	0.0	–	0.0
103.0	45.0	–	–	–	93.6	–	1.4	0.0	–	–	–	–	–
103.0	50.0	0.0	27.4	13.4	25.9	–	11.3	0.0	–	–	–	–	0.0
103.0	55.0	–	–	–	20.9	–	4.8	0.0	–	–	–	–	–
103.0	60.0	0.0	0.0	0.0	42.6	–	0.0	0.0	–	–	–	–	0.0
103.0	65.0	–	–	–	737.0	–	0.0	0.0	–	–	–	–	–
103.0	70.0	–	–	0.0	17.6	–	0.0	0.0	–	–	–	–	–
103.0	80.0	–	–	–	10.1	–	0.0	0.0	–	–	–	–	–
107.0	32.0	0.0	74.3	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
107.0	35.0	0.0	19.7	0.0	0.0	–	3.1	0.0	–	–	0.0	–	0.0
107.0	40.0	0.0	30.0	0.0	25.4	–	1.2	0.0	–	–	0.0	–	0.0
107.0	45.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
107.0	50.0	0.0	0.0	59.0	152.2	15.4	0.0	0.0	–	–	–	–	0.0
107.0	60.0	0.0	6.0	6.4	64.5	0.0	0.0	0.0	–	–	–	–	0.0
107.0	70.0	–	–	241.2	8.7	0.0	0.0	0.0	–	–	–	–	–
110.0	33.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	35.0	4.3	0.0	0.0	4.0	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	40.0	0.0	22.8	0.0	18.6	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	45.0	–	–	–	–	2.9	0.0	0.0	–	–	–	–	–
110.0	50.0	0.0	101.7	70.0	7.1	0.0	0.0	0.0	–	–	0.0	–	–
110.0	60.0	0.0	311.1	98.0	58.9	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	70.0	0.0	14.0	9.8	2.6	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	80.0	0.0	0.0	62.0	1.2	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	90.0	–	–	34.6	6.1	0.0	0.0	0.0	–	–	0.0	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	34.3
113.0	35.0	23.2	6.3	0.0	0.0	6.7	0.0	0.0	–	–	3.7	–	0.0
113.0	40.0	5.5	20.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	45.0	–	235.6	0.0	15.2	0.0	0.0	0.0	–	–	–	–	–
113.0	50.0	151.3	199.8	0.0	41.5	0.0	0.0	0.0	–	–	–	–	0.0
113.0	55.0	–	0.0	118.1	11.5	0.0	0.0	0.0	–	–	–	–	–
113.0	60.0	145.0	0.0	0.0	34.3	0.0	0.0	0.0	–	–	–	–	5.3

TABLE 4. (cont.)

Sardinops sagax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	70.0	-	208.1	0.0	40.0	0.0	0.0	0.0	-	-	-	-	0.0
117.0	26.0	6.5	0.0	0.0	0.0	0.0	0.0	48.2	-	-	0.0	-	0.0
117.0	30.0	0.0	0.0	0.0	0.0	0.0	168.8	0.0	-	-	0.0	-	0.0
117.0	35.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-	6.8	-	0.0
117.0	40.0	0.0	20.0	0.0	10.6	0.0	0.0	0.0	-	-	0.0	-	0.0
117.0	45.0	-	79.6	0.0	24.6	7.4	0.0	0.0	-	-	-	-	-
117.0	50.0	3.2	72.2	15.4	3.7	4.5	0.0	0.0	-	-	-	-	0.0
117.0	55.0	-	6.8	121.4	0.0	0.0	0.0	7.4	-	-	-	-	-
117.0	60.0	3.7	0.0	149.8	4.4	0.0	0.0	0.0	-	-	-	-	0.0
117.0	70.0	-	0.0	0.0	14.0	0.0	0.0	0.0	-	-	-	-	0.0
117.0	80.0	-	-	-	0.0	2.6	0.0	0.0	-	-	-	-	-
120.0	25.0	5.3	814.8	0.0	0.0	121.9	409.6	799.9	-	-	-	-	0.0
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	-	-	42.4	-	5.4
120.0	35.0	335.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.1	-	15.2
120.0	40.0	74.2	181.6	0.0	0.0	0.0	25.4	27.6	-	-	-	-	79.9
120.0	45.0	58.5	0.0	0.0	11.7	0.0	0.0	0.0	-	-	35.3	-	5.8
120.0	50.0	0.0	0.0	0.0	6.6	0.0	0.0	3.0	-	-	0.0	-	0.0
120.0	55.0	-	0.0	166.6	3.4	0.0	0.0	0.0	-	-	-	-	0.0
120.0	60.0	0.0	0.0	40.7	26.5	-	0.0	0.0	-	-	0.0	-	0.0
120.0	65.0	-	-	-	161.3	-	-	-	-	-	-	-	-
120.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.5	-	-
123.0	37.0	33.8	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	-	31.4
123.0	40.0	56.3	2.3	3.4	0.0	4.9	0.0	0.0	-	-	0.0	-	13.9
123.0	45.0	16.0	6.4	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
123.0	50.0	0.0	0.0	3.5	0.0	0.0	0.0	8.9	-	-	0.0	-	0.0
123.0	55.0	0.0	0.0	101.8	6.3	0.0	0.0	2.6	-	-	-	-	0.0
123.0	60.0	-	-	204.4	1.3	0.0	0.0	0.0	-	-	5.0	-	-
127.0	34.0	99.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	23.3
127.0	40.0	6.0	42.2	0.0	0.0	0.0	0.0	0.0	-	-	5.7	-	0.0
127.0	45.0	0.0	248.9	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	50.0	0.0	2.8	0.0	2.7	0.0	0.0	0.0	-	-	0.0	-	0.0
127.0	55.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0.0
127.0	60.0	-	-	11.2	1.2	0.0	0.0	0.0	-	-	0.0	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	-	-	0.0	-	0.0
133.0	25.0	12.4	-	0.0	0.0	0.0	12.1	10.2	-	-	3.2	-	0.0
133.0	30.0	0.0	1.9	0.0	0.0	0.0	0.0	8.9	-	-	10.4	-	0.0
133.0	50.0	-	-	0.0	0.0	0.0	0.0	2.7	-	-	-	-	-
137.0	23.0	24.6	5.4	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	2.9
137.0	30.0	24.3	11.8	0.0	0.0	2.8	16.9	5.3	-	-	11.8	-	0.0
140.0	30.0	64.4	0.0	0.0	-	-	-	-	-	-	-	-	16.8
143.0	26.0	7.0	10.1	0.0	-	-	-	-	-	-	-	-	0.0
143.0	30.0	6.0	0.0	0.0	-	-	-	-	-	-	-	-	0.0
143.0	35.0	3.2	0.0	0.0	-	-	-	-	-	-	-	-	0.0
147.0	20.0	684.8	278.0	0.0	-	-	-	-	-	-	-	-	0.0
147.0	25.0	0.0	24.6	0.0	-	-	-	-	-	-	-	-	0.0
150.0	19.0	433.6	3.0	0.0	-	-	-	-	-	-	-	-	0.0

TABLE 4. (cont.)

Sardinops sagax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
150.0	25.0	0.0	11.7	0.0	–	–	–	–	–	–	–	–	0.0
150.0	30.0	0.0	6.1	0.0	–	–	–	–	–	–	–	–	0.0
153.0	16.0	0.0	0.0	4.4	–	–	–	–	–	–	–	–	–
153.0	20.0	11.0	0.0	0.0	–	–	–	–	–	–	–	–	–
153.0	30.0	–	2.4	0.0	–	–	–	–	–	–	–	–	–
157.0	10.0	16.8	0.0	0.0	–	–	–	–	–	–	–	–	–

Engraulidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	30.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0

Engraulis mordax

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	80.0	–	–	–	–	–	0.0	–	–	–	5.8	–	–
63.0	52.0	–	–	–	–	0.0	0.0	0.0	–	–	4.4	–	–
77.0	50.0	–	–	–	–	0.0	0.0	5.2	–	–	0.0	–	–
77.0	55.0	–	–	–	–	0.0	6.4	7.2	–	–	5.9	–	–
77.0	90.0	–	–	–	–	0.0	2.6	0.0	–	–	–	–	–
80.0	51.0	189.1	–	12.5	3.4	0.0	55.5	4.9	–	–	0.0	0.0	–
80.0	55.0	24.9	116.3	0.0	19.7	0.0	0.0	12.6	–	–	0.0	5.7	–
80.0	60.0	12.8	9.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	90.0	–	–	–	0.0	0.0	0.0	2.8	–	–	0.0	–	0.0
83.0	40.0	49.0	348.8	151.3	–	–	1.5	4.6	–	–	0.0	–	11.2
83.0	43.0	102.0	107.6	47.5	10.0	317.2	828.9	139.9	–	–	2.8	–	8.2
83.0	51.0	0.0	71.8	48.3	46.2	3.0	493.3	13.5	–	–	19.7	–	10.1
83.0	55.0	–	–	–	–	–	97.6	11.6	–	–	–	–	–
83.0	60.0	0.0	19.4	5.5	97.0	0.0	0.0	0.0	–	–	0.0	–	2.9
83.0	80.0	–	–	–	0.0	–	13.2	–	–	–	–	–	–
87.0	35.0	2590.0	714.4	857.9	736.4	191.1	2431.9	1771.4	–	–	0.0	–	40.1
87.0	40.0	8.0	49.8	17.5	37.8	118.0	1030.9	59.3	–	–	5.7	–	36.0
87.0	45.0	–	–	–	–	21.3	41.4	0.0	–	–	0.0	–	–
87.0	50.0	170.5	28.5	0.0	59.8	7.8	84.3	5.1	–	–	10.4	–	9.4
87.0	55.0	–	–	–	–	0.0	148.3	43.0	–	–	–	–	–
87.0	60.0	23.0	6.1	–	8.1	3.1	101.1	0.0	–	–	2.5	–	0.0
87.0	65.0	–	–	–	–	–	0.0	11.0	–	–	–	–	–
87.0	70.0	–	–	–	6.1	–	0.0	0.0	–	–	–	–	–
87.0	80.0	–	–	–	3.1	–	0.0	–	–	–	–	–	–
90.0	28.0	82.2	708.1	1207.0	–	16.3	60.5	198.7	–	–	37.0	–	12.2
90.0	30.0	230.5	995.2	30.0	425.0	63.6	241.4	425.6	–	–	59.5	–	16.8
90.0	37.0	280.8	222.8	5.0	106.0	119.3	61.2	163.7	–	–	2.5	–	12.9
90.0	45.0	74.8	37.4	0.0	8.7	30.6	66.1	6.4	–	–	0.0	–	18.0
90.0	50.0	198.4	–	37.3	3.0	0.0	346.3	25.4	–	–	–	–	–

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	55.0	-	-	-	-	0.0	22.5	101.8	-	-	0.0	-	0.0
90.0	60.0	2.7	0.0	11.6	0.0	0.0	13.3	159.0	-	-	0.0	-	0.0
90.0	65.0	-	-	-	-	0.0	13.8	129.0	-	-	-	-	-
90.0	70.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	27.0	694.0	59.5	651.0	109.9	100.1	24.9	169.9	-	-	5.0	-	5.1
93.0	30.0	99.8	18.6	397.4	49.4	187.9	4.4	595.7	-	-	2.9	-	0.0
93.0	35.0	-	-	-	-	21.2	3.1	64.0	-	-	-	-	-
93.0	40.0	35.4	0.0	782.8	16.1	508.6	106.9	6.3	-	-	0.0	-	22.7
93.0	45.0	-	-	-	-	0.0	404.6	0.0	-	-	-	-	-
93.0	50.0	292.0	6.1	0.0	3.1	3.1	47.6	39.6	-	-	0.0	-	0.0
93.0	55.0	-	-	-	-	0.0	0.0	193.8	-	-	-	-	-
93.0	60.0	-	-	0.0	0.0	0.0	0.0	94.5	-	-	0.0	-	-
93.0	85.0	-	-	-	-	0.0	-	6.6	-	-	-	-	-
97.0	30.0	386.9	445.3	318.4	7.5	-	229.0	63.6	-	-	4.9	-	0.0
97.0	32.0	238.3	553.3	2793.8	574.1	-	52.3	94.2	-	-	0.0	-	3.1
97.0	35.0	-	-	-	-	-	12.6	0.0	-	-	-	-	-
97.0	40.0	291.6	37.6	87.4	40.3	-	47.5	95.4	-	-	0.0	-	0.0
97.0	45.0	-	-	-	-	-	9.7	6.0	-	-	-	-	-
97.0	50.0	129.2	6.2	0.0	2.7	-	26.6	3.3	-	-	2.7	-	0.0
97.0	55.0	-	-	-	-	-	17.6	0.0	-	-	-	-	-
97.0	60.0	-	-	0.0	6.0	-	0.0	0.0	-	-	0.0	-	-
97.0	70.0	-	-	2.3	6.4	-	0.0	20.5	-	-	-	-	-
97.0	75.0	-	-	-	-	-	0.0	5.5	-	-	-	-	-
97.0	80.0	-	-	-	0.0	-	0.0	6.1	-	-	-	-	-
100.0	29.0	631.5	900.7	1893.9	37.4	-	0.0	0.0	-	-	18.2	-	16.9
100.0	30.0	623.3	390.6	709.5	57.5	-	78.9	0.0	-	-	9.7	-	5.4
100.0	35.0	-	-	-	-	-	7.4	2.8	-	-	-	-	-
100.0	40.0	130.2	1329.4	283.0	161.0	-	0.0	18.6	-	-	0.0	-	0.0
100.0	45.0	-	-	-	-	-	8.9	0.0	-	-	-	-	-
100.0	50.0	66.4	12.1	90.0	12.6	-	1.9	0.0	-	-	-	-	0.0
100.0	55.0	-	-	-	-	-	2.5	0.0	-	-	-	-	-
100.0	60.0	0.0	120.4	27.5	0.0	-	0.0	0.0	-	-	0.0	-	0.0
100.0	70.0	0.0	6.9	2.9	0.0	-	0.0	0.0	-	-	0.0	-	0.0
103.0	30.0	234.3	342.5	375.7	15.1	-	35.8	0.0	-	-	52.5	-	0.0
103.0	35.0	1618.4	619.4	726.0	5.5	-	1.2	0.0	-	-	34.1	-	0.0
103.0	40.0	4460.0	379.5	0.0	1.5	-	7.2	13.4	-	-	13.2	-	0.0
103.0	45.0	-	-	-	0.0	-	0.0	19.9	-	-	-	-	-
103.0	50.0	0.0	0.0	16.8	0.0	-	1.6	3.2	-	-	-	-	0.0
103.0	55.0	-	-	-	3.0	-	1.6	0.0	-	-	-	-	-
103.0	60.0	0.0	38.0	0.0	18.5	-	0.0	0.0	-	-	-	-	0.0
107.0	32.0	1969.8	1036.5	319.2	0.0	-	3.3	0.0	-	-	0.0	-	0.0
107.0	35.0	1441.8	862.0	683.1	196.4	-	62.2	0.0	-	-	1.9	-	0.0
107.0	40.0	636.5	20.0	17.5	0.0	-	3.7	0.0	-	-	0.0	-	0.0
107.0	45.0	-	-	-	-	0.0	11.2	0.0	-	-	-	-	-
107.0	50.0	7.2	0.0	3.5	0.0	0.0	44.8	0.0	-	-	-	-	0.0
107.0	60.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0.0

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	80.0	–	–	–	326.5	0.0	0.0	0.0	–	–	–	–	–
110.0	33.0	363.1	5664.0	358.1	273.2	50.2	0.0	5.9	–	–	0.0	–	46.4
110.0	35.0	511.7	2754.2	1610.4	22.0	27.6	2.1	0.0	–	–	0.0	–	0.0
110.0	40.0	0.0	2031.3	328.4	18.6	0.0	0.0	0.0	–	–	0.0	–	3.7
110.0	45.0	–	–	–	–	0.0	6.5	0.0	–	–	–	–	–
110.0	50.0	5.6	3.3	61.6	38.9	0.0	0.0	3.7	–	–	0.0	–	–
110.0	60.0	0.0	51.8	23.7	57.0	0.0	0.0	0.0	–	–	3.0	–	0.0
110.0	70.0	0.0	0.0	3.3	155.8	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	80.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	30.0	556.0	603.2	14.9	0.0	148.2	12.4	90.8	–	–	106.5	–	274.4
113.0	35.0	1438.4	2227.8	982.5	15.1	0.0	0.0	9.7	–	–	44.5	–	86.9
113.0	40.0	131.0	326.7	1184.4	58.5	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	45.0	–	2545.9	1062.7	88.2	0.0	0.0	0.0	–	–	–	–	–
113.0	50.0	214.5	584.6	306.7	0.0	0.0	0.0	0.0	–	–	–	–	0.0
113.0	55.0	–	16.8	190.2	20.2	0.0	0.0	0.0	–	–	–	–	–
113.0	60.0	3.0	0.0	96.9	512.6	0.0	0.0	0.0	–	–	–	–	5.3
113.0	70.0	–	9.2	0.0	495.0	0.0	0.0	0.0	–	–	–	–	0.0
113.0	75.0	–	–	–	–	0.0	2.9	0.0	–	–	–	–	–
117.0	26.0	437.4	63.4	310.6	71.2	161.7	225.6	109.5	–	–	100.8	–	0.0
117.0	30.0	3703.3	252.7	1472.7	0.0	25.3	424.9	79.2	–	–	19.2	–	52.9
117.0	35.0	4675.8	1273.0	90.3	773.6	0.0	0.0	0.0	–	–	87.9	–	44.8
117.0	40.0	1931.0	176.0	433.4	1000.6	3.3	0.0	0.0	–	–	9.8	–	35.9
117.0	45.0	–	591.7	1792.7	55.3	0.0	0.0	0.0	–	–	–	–	–
117.0	50.0	246.4	430.2	37.0	248.2	0.0	0.0	0.0	–	–	–	–	23.7
117.0	55.0	–	47.6	173.9	344.4	0.0	0.0	0.0	–	–	–	–	–
117.0	60.0	0.0	0.0	153.6	437.6	0.0	0.0	0.0	–	–	–	–	0.0
117.0	70.0	–	0.0	0.0	368.5	0.0	0.0	0.0	–	–	–	–	0.0
120.0	25.0	2527.0	32.0	44.2	93.1	44.3	213.2	54.5	–	–	–	–	9.6
120.0	27.0	–	–	–	–	304.5	88.8	–	–	–	4.8	–	–
120.0	30.0	1834.2	197.8	593.3	95.4	328.3	84.8	374.5	–	–	8.1	–	37.8
120.0	35.0	75.9	384.3	24.4	503.6	23.6	81.6	89.3	–	–	8.4	–	70.8
120.0	40.0	343.4	26.7	75.9	0.0	18.5	66.3	2.3	–	–	–	–	0.0
120.0	45.0	619.1	0.0	18.2	15.8	0.0	54.3	6.0	–	–	16.4	–	0.0
120.0	50.0	66.0	0.0	58.4	2061.0	0.0	0.0	3.0	–	–	3.5	–	0.0
120.0	55.0	–	0.0	157.6	42.5	22.6	0.0	0.0	–	–	–	–	0.0
120.0	60.0	3.1	0.0	52.4	33.1	–	0.0	0.0	–	–	0.0	–	0.0
120.0	65.0	–	–	–	891.4	–	–	–	–	–	–	–	–
120.0	70.0	0.0	9.2	3.0	0.0	25.8	0.0	10.6	–	–	0.0	–	0.0
120.0	80.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–	2.5	–	–
120.0	100.0	0.0	0.0	2.8	–	–	–	–	–	–	–	–	–
123.0	37.0	1192.9	33.4	8.1	7.7	–	0.0	0.0	–	–	0.0	–	0.0
123.0	40.0	701.1	131.1	122.8	42.7	63.7	0.0	0.0	–	–	8.9	–	0.0
123.0	45.0	19.1	0.0	91.1	19.0	0.0	0.0	0.0	–	–	–	–	–
123.0	50.0	71.1	85.0	26.5	3.9	0.0	0.0	0.0	–	–	8.9	–	0.0
123.0	55.0	20.5	51.5	88.4	0.0	0.0	0.0	5.1	–	–	–	–	0.0
123.0	60.0	–	–	258.2	1.3	0.0	0.0	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	34.0	237.5	11.0	0.0	4.4	0.0	0.0	0.0	-	-	8.7	-	0.0
127.0	40.0	3.0	44.4	0.0	0.0	2.4	0.0	0.0	-	-	0.0	-	0.0
127.0	45.0	3.2	787.4	2.7	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	50.0	0.0	367.6	0.0	3.5	6.2	21.6	0.0	-	-	2.8	-	0.0
127.0	55.0	12.6	134.2	11.3	33.7	0.0	0.0	0.0	-	-	-	-	0.0
127.0	60.0	-	-	33.5	10.8	0.0	0.0	0.0	-	-	0.0	-	-
130.0	30.0	12.5	15.6	26.7	3.2	63.6	0.0	2.6	-	-	0.0	-	638.4
130.0	35.0	5.6	41.7	0.0	13.0	14.6	0.0	15.2	-	-	0.0	-	55.7
130.0	40.0	0.0	25.0	0.0	53.5	0.0	3.3	38.6	-	-	0.0	-	2.8
130.0	50.0	0.0	16.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
130.0	55.0	-	-	-	2.4	-	-	-	-	-	-	-	-
133.0	25.0	17.3	-	45.8	0.0	5.9	519.4	30.7	-	-	0.0	-	62.6
133.0	30.0	5.2	0.0	15.5	0.0	17.4	105.6	26.7	-	-	0.0	-	0.0
133.0	40.0	0.0	0.0	12.6	0.0	-	119.2	0.0	-	-	-	-	0.0
133.0	50.0	-	-	0.0	0.0	0.0	6.2	0.0	-	-	-	-	-
137.0	23.0	46.4	21.7	0.0	0.0	102.0	156.5	63.8	-	-	0.0	-	2.9
137.0	30.0	36.5	0.0	0.0	0.0	322.5	1507.7	1128.9	-	-	2.9	-	0.0
137.0	40.0	0.0	0.0	0.0	0.0	3.0	210.9	0.0	-	-	-	-	0.0
137.0	50.0	-	-	0.0	0.0	0.0	1.8	0.0	-	-	-	-	-
140.0	30.0	33.9	0.0	0.0	-	-	-	-	-	-	-	-	19.6
143.0	26.0	4.7	0.0	0.0	-	-	-	-	-	-	-	-	0.0
143.0	35.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	3.2
147.0	20.0	0.0	0.0	2.5	-	-	-	-	-	-	-	-	0.0
150.0	30.0	0.0	0.0	1.9	-	-	-	-	-	-	-	-	0.0
153.0	16.0	3.2	0.0	0.0	-	-	-	-	-	-	-	-	-

Alepocephalidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	80.0	-	-	-	-	-	0.0	3.0	-	-	0.0	-	-

Argentina sialis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	2.9
87.0	35.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
87.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	3.1
90.0	28.0	0.0	0.0	0.0	-	0.0	0.0	2.8	-	-	0.0	-	0.0
93.0	27.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	2.6
97.0	30.0	0.0	0.0	0.0	0.0	-	0.0	1.7	-	-	0.0	-	0.0
97.0	32.0	2.6	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0
100.0	29.0	0.0	2.8	0.0	0.0	-	0.0	0.0	-	-	0.0	-	5.6
100.0	30.0	2.9	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0
100.0	40.0	3.0	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0

TABLE 4. (cont.)

Argentina sialis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	30.0	0.0	0.0	0.0	0.0	–	0.0	4.6	–	–	0.0	–	0.0
103.0	35.0	2.9	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
107.0	32.0	12.1	0.0	0.0	0.0	–	3.3	0.0	–	–	0.0	–	8.1
107.0	35.0	0.0	0.0	0.0	0.0	–	3.1	0.0	–	–	0.0	–	6.2
107.0	40.0	0.0	0.0	0.0	0.0	–	8.6	0.0	–	–	0.0	–	0.0
107.0	45.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
110.0	33.0	10.7	11.8	0.0	0.0	5.6	0.0	0.0	–	–	0.0	–	0.0
110.0	35.0	0.0	19.3	0.0	0.0	3.1	0.0	0.0	–	–	0.0	–	0.0
113.0	30.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	35.0	0.0	22.1	12.1	3.8	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	2.7
113.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	2.6
117.0	26.0	0.0	0.0	3.3	0.0	12.4	1.6	0.0	–	–	0.0	–	0.0
117.0	30.0	0.0	53.9	28.3	0.0	0.0	5.8	0.0	–	–	0.0	–	2.9
117.0	35.0	19.0	33.5	130.0	0.0	0.0	0.0	5.6	–	–	0.0	–	89.6
117.0	40.0	3.0	12.0	3.4	0.0	3.3	0.0	0.0	–	–	0.0	–	0.0
117.0	45.0	–	0.0	3.2	0.0	0.0	0.0	0.0	–	–	–	–	–
117.0	50.0	0.0	3.1	0.0	7.3	0.0	0.0	0.0	–	–	–	–	0.0
117.0	55.0	–	0.0	2.8	5.7	0.0	0.0	0.0	–	–	–	–	–
120.0	30.0	6.3	30.7	51.0	0.0	9.1	4.2	9.5	–	–	0.0	–	0.0
120.0	40.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
120.0	45.0	0.0	0.0	3.0	5.8	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	50.0	0.0	3.6	0.0	2.8	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	70.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	–	–	0.0	–	0.0
123.0	37.0	5.6	0.0	4.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
123.0	40.0	6.3	0.0	3.4	0.0	4.9	0.0	0.0	–	–	0.0	–	0.0
123.0	45.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
123.0	50.0	3.1	0.0	3.5	0.0	0.0	0.0	0.0	–	–	0.0	–	3.0
127.0	40.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	30.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	60.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	–	–	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–	0.0	–	0.0
133.0	40.0	0.0	0.0	0.0	0.0	–	3.3	0.0	–	–	–	–	0.0
137.0	30.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	–	–	0.0	–	0.0
140.0	30.0	0.0	0.0	4.8	–	–	–	–	–	–	–	–	0.0

Microstoma microstoma

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	90.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.9	–	0.0
83.0	60.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	70.0	–	–	–	0.0	–	0.0	6.0	–	–	–	–	–
83.0	80.0	–	–	–	0.0	–	13.2	–	–	–	–	–	–
87.0	70.0	–	–	–	0.0	–	14.8	5.5	–	–	–	–	–
90.0	75.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–

TABLE 4. (cont.)

Microstoma microstoma (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	35.0	–	–	–	–	0.0	0.0	2.0	–	–	–	–	–
97.0	35.0	–	–	–	–	–	1.3	0.0	–	–	–	–	–
97.0	40.0	0.0	0.0	2.2	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	35.0	–	–	–	–	–	1.5	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	0.0	0.0	–	1.5	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	6.6	–	0.0
103.0	50.0	0.0	3.4	0.0	0.0	–	0.0	0.0	–	–	–	–	0.0
103.0	65.0	–	–	–	5.5	–	1.7	0.0	–	–	–	–	–
103.0	70.0	–	–	2.4	0.0	–	0.0	0.0	–	–	–	–	–
103.0	80.0	–	–	–	0.0	–	1.1	0.0	–	–	–	–	–
103.0	85.0	–	–	–	–	–	1.4	0.0	–	–	–	–	–
107.0	40.0	0.0	0.0	0.0	0.0	–	0.9	0.0	–	–	0.0	–	0.0
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–	0.0	–	0.0
120.0	60.0	0.0	0.0	0.0	0.0	–	0.0	2.7	–	–	0.0	–	0.0

Nansenia candida

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	55.0	–	–	–	–	0.0	0.0	7.2	–	–	0.0	–	–
90.0	70.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–	0.0	–	0.0
100.0	80.0	0.0	0.0	3.5	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	0.0	1.5	–	0.0	0.0	–	–	0.0	–	0.0
103.0	45.0	–	–	–	2.6	–	0.0	0.0	–	–	–	–	–
103.0	70.0	–	–	0.0	4.2	–	1.4	0.0	–	–	–	–	–

Nansenia crassa

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	70.0	–	–	4.9	0.0	–	0.0	0.0	–	–	–	–	–
107.0	35.0	0.0	0.0	0.0	0.0	–	3.1	0.0	–	–	0.0	–	0.0
107.0	60.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–	–	–	0.0
107.0	75.0	–	–	–	–	0.0	0.0	2.7	–	–	–	–	–
110.0	80.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	55.0	–	3.3	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
113.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	2.6
113.0	70.0	–	0.0	3.9	0.0	0.0	0.0	0.0	–	–	–	–	0.0
117.0	45.0	–	0.0	0.0	0.0	2.5	0.0	0.0	–	–	–	–	–
117.0	55.0	–	0.0	0.0	0.0	0.0	0.0	2.5	–	–	–	–	–
117.0	70.0	–	0.0	0.0	0.0	0.0	0.0	2.8	–	–	–	–	0.0
117.0	80.0	–	–	–	2.1	0.0	0.0	0.0	–	–	–	–	–
120.0	55.0	–	0.0	3.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
120.0	60.0	0.0	0.0	0.0	0.7	–	0.0	0.0	–	–	0.0	–	0.0
120.0	70.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
123.0	40.0	0.0	2.3	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Nansenia crassa (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	45.0	0.0	3.2	2.9	0.0	0.0	0.0	0.0	–	–	–	–	–
123.0	50.0	3.1	0.0	0.0	0.0	0.0	0.0	5.9	–	–	5.9	–	0.0
123.0	55.0	6.8	0.0	5.4	3.2	0.0	0.0	0.0	–	–	–	–	0.0
127.0	40.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	45.0	6.5	5.1	0.0	5.7	0.0	0.0	0.0	–	–	–	–	–
127.0	50.0	0.0	0.0	3.8	8.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	55.0	3.2	6.6	0.0	0.0	0.0	3.0	2.4	–	–	–	–	0.0
127.0	60.0	–	–	2.8	0.0	2.9	0.0	0.0	–	–	0.0	–	–
130.0	35.0	8.4	3.0	28.7	4.3	4.9	0.0	0.0	–	–	0.0	–	0.0
130.0	40.0	0.0	0.0	5.6	4.3	0.0	0.0	0.0	–	–	3.0	–	0.0
130.0	50.0	3.2	2.7	2.7	1.3	0.0	0.0	0.0	–	–	0.0	–	0.0
133.0	40.0	0.0	0.0	2.5	0.0	–	0.0	0.0	–	–	–	–	0.0
133.0	50.0	–	–	5.5	11.3	0.0	0.0	0.0	–	–	–	–	–
137.0	40.0	2.7	0.0	2.8	0.0	0.0	2.8	0.0	–	–	–	–	0.0
137.0	50.0	–	–	11.8	0.0	2.6	0.0	0.0	–	–	–	–	–
137.0	60.0	–	–	3.2	–	–	–	–	–	–	–	–	–
140.0	35.0	0.0	0.0	2.5	–	–	–	–	–	–	–	–	0.0
140.0	40.0	0.0	0.0	2.3	–	–	–	–	–	–	–	–	0.0
150.0	40.0	–	–	2.5	–	–	–	–	–	–	–	–	–

Bathylagus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	35.0	–	–	–	–	3.0	0.0	0.0	–	–	–	–	–
107.0	40.0	0.0	0.0	0.0	0.0	–	0.9	0.0	–	–	0.0	–	0.0
157.0	20.0	0.0	0.0	6.0	–	–	–	–	–	–	–	–	–

Bathylagus milleri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	50.0	–	–	–	–	0.0	3.2	0.0	–	–	0.0	–	–

Bathylagus ochotensis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	70.0	–	–	–	–	–	13.1	–	–	–	0.0	–	–
60.0	80.0	–	–	–	–	–	7.9	–	–	–	0.0	–	–
60.0	90.0	–	–	–	–	–	9.8	–	–	–	0.0	–	–
63.0	65.0	–	–	–	–	5.3	10.6	0.0	–	–	–	–	–
67.0	55.0	–	–	–	–	10.2	0.0	0.0	–	–	5.2	–	–
67.0	65.0	–	–	–	–	0.0	5.7	0.0	–	–	–	–	–
70.0	52.0	–	–	–	–	0.0	0.0	12.9	–	–	0.0	–	–
70.0	60.0	–	–	–	–	5.9	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	70.0	–	–	–	–	0.0	12.6	0.0	–	–	0.0	–	–
70.0	80.0	–	–	–	–	–	0.0	5.9	–	–	0.0	–	–
70.0	90.0	–	–	–	–	–	0.0	2.2	–	–	0.0	–	–
73.0	90.0	–	–	–	–	–	13.7	0.0	–	–	–	–	–
77.0	70.0	–	–	–	–	11.4	3.5	13.8	–	–	–	–	–
77.0	80.0	–	–	–	–	15.6	2.7	0.0	–	–	–	–	–
77.0	90.0	–	–	–	–	0.0	5.3	0.0	–	–	–	–	–
80.0	51.0	0.0	–	3.1	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	55.0	0.0	0.0	17.4	0.0	2.8	0.0	0.0	–	–	0.0	0.0	–
80.0	60.0	0.0	27.0	2.4	30.6	5.6	11.6	0.0	–	–	0.0	0.0	–
80.0	70.0	0.0	5.3	5.1	12.0	16.4	5.9	0.0	–	–	0.0	5.2	–
80.0	80.0	3.1	0.0	14.3	2.8	0.0	0.0	0.0	–	–	0.0	–	0.0
80.0	90.0	–	–	–	10.7	0.0	12.8	0.0	–	–	0.0	–	0.0
83.0	43.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	51.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	60.0	9.4	42.0	10.9	12.1	0.0	7.2	0.0	–	–	0.0	–	0.0
83.0	65.0	–	–	–	–	–	5.0	0.0	–	–	–	–	–
83.0	75.0	–	–	–	–	–	20.8	–	–	–	–	–	–
83.0	80.0	–	–	–	3.0	–	0.0	–	–	–	–	–	–
83.0	90.0	–	–	–	0.0	–	11.6	–	–	–	–	–	–
87.0	35.0	0.0	6.1	2.4	0.0	0.0	0.0	2.6	–	–	0.0	–	0.0
87.0	40.0	0.0	0.0	2.9	2.4	6.4	0.0	0.0	–	–	0.0	–	0.0
87.0	50.0	0.0	5.7	0.0	2.4	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	55.0	–	–	–	–	0.0	6.2	0.0	–	–	–	–	–
87.0	60.0	26.8	0.0	–	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	70.0	–	–	–	12.1	–	44.5	0.0	–	–	–	–	–
87.0	75.0	–	–	–	–	–	17.4	–	–	–	–	–	–
87.0	90.0	–	–	–	0.0	–	2.9	–	–	–	–	–	–
90.0	30.0	2.3	0.0	0.0	0.0	2.9	0.0	0.0	–	–	0.0	–	0.0
90.0	37.0	0.0	5.9	0.0	2.8	0.0	2.7	0.0	–	–	0.0	–	0.0
90.0	45.0	3.7	6.2	0.0	2.9	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	50.0	10.4	–	8.6	0.0	0.0	2.9	0.0	–	–	–	–	–
90.0	55.0	–	–	–	–	0.0	11.2	0.0	–	–	0.0	–	0.0
90.0	60.0	46.2	2.9	11.6	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	70.0	14.3	0.0	11.6	4.9	9.1	0.0	0.0	–	–	0.0	–	0.0
90.0	75.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
90.0	80.0	–	–	3.1	0.0	0.0	–	0.0	–	–	0.0	–	0.0
93.0	30.0	6.9	10.6	0.0	2.6	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	40.0	5.9	14.1	0.0	0.0	2.8	5.9	0.0	–	–	0.0	–	0.0
93.0	50.0	20.9	30.6	0.0	3.1	6.2	0.0	0.0	–	–	0.0	–	0.0
93.0	55.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
93.0	60.0	–	–	18.8	0.0	0.0	0.0	0.0	–	–	0.0	–	–
93.0	65.0	–	–	–	–	2.8	–	0.0	–	–	–	–	–
93.0	70.0	–	–	6.9	4.7	6.0	10.2	0.0	–	–	–	–	–
93.0	75.0	–	–	–	–	3.0	0.0	0.0	–	–	–	–	–
93.0	80.0	–	–	–	5.6	0.0	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	90.0	–	–	–	5.7	0.0	–	0.0	–	–	–	–	–
97.0	32.0	2.6	2.5	0.0	0.0	–	0.0	2.8	–	–	0.0	–	0.0
97.0	35.0	–	–	–	–	–	6.9	3.1	–	–	–	–	–
97.0	40.0	0.0	31.3	9.0	2.5	–	0.0	0.0	–	–	0.0	–	2.9
97.0	45.0	–	–	–	–	–	0.0	3.0	–	–	–	–	–
97.0	50.0	25.8	0.0	0.0	2.7	–	0.0	0.0	–	–	0.0	–	0.0
97.0	60.0	–	–	0.0	3.0	–	0.0	0.0	–	–	0.0	–	–
97.0	75.0	–	–	–	–	–	3.1	0.0	–	–	–	–	–
97.0	80.0	–	–	–	11.4	–	4.2	0.0	–	–	–	–	–
100.0	30.0	2.9	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	40.0	0.0	0.0	2.6	2.4	–	1.4	0.0	–	–	0.0	–	0.0
100.0	45.0	–	–	–	–	–	3.1	0.0	–	–	–	–	–
100.0	50.0	0.0	0.0	0.0	0.0	–	2.2	0.0	–	–	–	–	0.0
100.0	60.0	0.0	9.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	80.0	0.0	2.9	0.0	11.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	35.0	0.0	0.0	6.6	5.9	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	3.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	50.0	0.0	3.4	16.8	5.3	–	0.0	0.0	–	–	–	–	0.0
103.0	55.0	–	–	–	3.0	–	0.0	0.0	–	–	–	–	–
103.0	60.0	0.0	5.8	0.0	1.3	–	0.0	0.0	–	–	–	–	0.0
103.0	65.0	–	–	–	5.5	–	0.0	0.0	–	–	–	–	–
107.0	32.0	0.0	0.0	0.0	0.0	–	1.6	0.0	–	–	0.0	–	0.0
107.0	35.0	0.0	0.0	0.0	0.0	–	4.7	0.0	–	–	0.0	–	0.0
107.0	40.0	0.0	3.3	0.0	0.0	–	1.2	0.0	–	–	0.0	–	0.0
107.0	45.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
107.0	50.0	3.6	0.0	0.0	0.0	3.1	0.0	0.0	–	–	–	–	0.0
107.0	55.0	–	–	–	–	2.7	0.0	0.0	–	–	–	–	–
107.0	60.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	–	–	–	–	0.0
110.0	35.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	40.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	45.0	–	–	–	–	0.0	2.2	0.0	–	–	–	–	–
110.0	50.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	70.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	80.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	40.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	45.0	–	0.0	6.5	0.0	0.0	0.0	0.0	–	–	–	–	–
117.0	55.0	–	0.0	8.3	0.0	0.0	0.0	0.0	–	–	–	–	–

Bathylagus pacificus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	60.0	–	–	–	–	0.0	11.8	0.0	–	–	0.0	–	–
90.0	60.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Bathylagus wesethi

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	–	–	–	–	0.0	0.0	2.5	–	–	0.0	–	–
70.0	90.0	–	–	–	–	–	0.0	13.3	–	–	0.0	–	–
77.0	80.0	–	–	–	–	0.0	0.0	10.9	–	–	–	–	–
80.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	–	–	0.0	–	0.0
83.0	70.0	–	–	–	0.0	–	0.0	6.0	–	–	–	–	–
87.0	65.0	–	–	–	–	–	9.6	0.0	–	–	–	–	–
87.0	75.0	–	–	–	–	–	17.4	–	–	–	–	–	–
87.0	90.0	–	–	–	3.0	–	11.6	–	–	–	–	–	–
90.0	30.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	–	–	0.0	–	0.0
90.0	65.0	–	–	–	–	0.0	0.0	6.0	–	–	–	–	–
90.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	–	–	0.0	–	0.0
90.0	75.0	–	–	–	–	3.1	0.0	10.4	–	–	–	–	–
90.0	80.0	–	–	0.0	3.5	0.0	–	16.8	–	–	0.0	–	0.0
90.0	85.0	–	–	–	–	0.0	–	12.8	–	–	–	–	–
90.0	90.0	–	–	0.0	0.0	11.5	–	7.1	–	–	7.6	–	–
93.0	65.0	–	–	–	–	0.0	–	8.5	–	–	–	–	–
93.0	70.0	–	–	0.0	0.0	0.0	0.0	2.7	–	–	–	–	–
93.0	75.0	–	–	–	–	0.0	11.0	0.0	–	–	–	–	–
93.0	80.0	–	–	–	0.0	0.0	6.1	2.7	–	–	–	–	–
93.0	85.0	–	–	–	–	0.0	–	3.3	–	–	–	–	–
93.0	90.0	–	–	–	0.0	8.3	–	60.7	–	–	–	–	–
93.0	95.0	–	–	–	–	11.2	–	–	–	–	–	–	–
97.0	55.0	–	–	–	–	–	0.0	6.4	–	–	–	–	–
97.0	60.0	–	–	2.6	3.0	–	0.0	0.0	–	–	0.0	–	–
97.0	90.0	–	–	–	0.0	–	6.9	0.0	–	–	–	–	–
100.0	30.0	0.0	0.0	0.0	5.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	35.0	–	–	–	–	–	1.5	0.0	–	–	–	–	–
100.0	40.0	0.0	0.0	0.0	2.4	–	0.0	0.0	–	–	0.0	–	0.0
100.0	45.0	–	–	–	–	–	0.0	3.2	–	–	–	–	–
100.0	50.0	0.0	0.0	6.0	0.0	–	0.0	0.0	–	–	–	–	0.0
100.0	60.0	0.0	0.0	3.4	5.8	–	3.2	3.4	–	–	0.0	–	0.0
100.0	70.0	0.0	0.0	5.8	2.9	–	2.7	0.0	–	–	0.0	–	0.0
100.0	80.0	0.0	0.0	0.0	0.0	–	0.0	2.9	–	–	10.8	–	0.0
100.0	90.0	–	–	6.8	0.0	–	3.1	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	0.0	27.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	3.0	27.4	–	3.2	0.0	–	–	0.0	–	0.0
103.0	45.0	–	–	–	26.0	–	3.0	0.0	–	–	–	–	–
103.0	50.0	0.0	0.0	6.7	1.3	–	1.3	0.0	–	–	–	–	0.0
103.0	55.0	–	–	–	6.0	–	6.4	0.0	–	–	–	–	–
103.0	60.0	0.0	2.9	0.0	11.1	–	15.3	2.8	–	–	–	–	0.0
103.0	65.0	–	–	–	16.5	–	0.0	10.1	–	–	–	–	–
103.0	70.0	–	–	9.8	67.7	–	4.3	38.5	–	–	–	–	–
103.0	75.0	–	–	–	28.2	–	24.7	46.6	–	–	–	–	–
103.0	80.0	–	–	–	12.2	–	11.4	14.1	–	–	–	–	–
103.0	85.0	–	–	–	–	–	10.0	2.4	–	–	–	–	–

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	90.0	–	–	–	–	–	12.9	6.7	–	–	–	–	–
107.0	40.0	0.0	0.0	5.8	42.3	–	5.6	0.0	–	–	0.0	–	0.0
107.0	45.0	–	–	–	–	3.1	0.0	3.4	–	–	–	–	–
107.0	50.0	0.0	3.3	10.4	41.2	3.1	6.4	0.0	–	–	–	–	0.0
107.0	55.0	–	–	–	–	5.4	7.6	0.0	–	–	–	–	–
107.0	60.0	0.0	0.0	32.0	14.3	2.8	5.3	31.9	–	–	–	–	0.0
107.0	65.0	–	–	–	–	18.6	11.1	12.5	–	–	–	–	–
107.0	70.0	–	–	39.8	20.4	3.2	4.6	20.9	–	–	–	–	–
107.0	75.0	–	–	–	–	6.1	15.5	35.6	–	–	–	–	–
107.0	80.0	–	–	–	19.4	57.2	8.7	19.7	–	–	–	–	–
107.0	85.0	–	–	–	–	15.4	6.3	2.8	–	–	–	–	–
107.0	90.0	–	–	–	–	6.0	2.5	2.6	–	–	–	–	–
110.0	35.0	0.0	0.0	0.0	38.0	3.1	4.2	0.0	–	–	0.0	–	0.0
110.0	40.0	0.0	0.0	0.0	3.7	0.0	12.4	0.0	–	–	0.0	–	0.0
110.0	45.0	–	–	–	–	0.0	2.2	0.0	–	–	–	–	–
110.0	50.0	0.0	0.0	2.8	0.0	11.4	10.5	0.0	–	–	2.4	–	–
110.0	55.0	–	–	–	–	10.5	12.0	0.0	–	–	–	–	–
110.0	60.0	0.0	0.0	6.8	1.8	19.0	56.9	2.7	–	–	0.0	–	0.0
110.0	65.0	–	–	–	–	0.0	36.5	2.5	–	–	–	–	–
110.0	70.0	0.0	0.0	3.3	0.0	0.0	7.5	13.2	–	–	0.0	–	0.0
110.0	75.0	–	–	–	–	2.9	7.5	11.2	–	–	–	–	–
110.0	80.0	0.0	0.0	17.7	22.6	0.0	12.1	7.8	–	–	2.9	–	0.0
110.0	85.0	–	–	–	–	9.1	0.0	2.9	–	–	–	–	–
110.0	90.0	–	–	34.6	3.1	7.9	5.8	5.7	–	–	0.0	–	–
113.0	35.0	0.0	0.0	0.0	0.0	63.3	9.0	3.2	–	–	0.0	–	2.1
113.0	40.0	0.0	0.0	0.0	5.3	42.4	0.0	0.0	–	–	0.0	–	0.0
113.0	45.0	–	0.0	0.0	27.4	25.4	0.0	8.6	–	–	–	–	–
113.0	50.0	0.0	0.0	0.0	28.7	22.6	9.2	13.1	–	–	–	–	0.0
113.0	55.0	–	0.0	0.0	5.8	3.0	0.0	5.1	–	–	–	–	–
113.0	60.0	0.0	3.3	0.0	4.2	0.0	2.9	15.5	–	–	–	–	0.0
113.0	65.0	–	–	–	–	0.0	5.2	10.8	–	–	–	–	–
113.0	70.0	–	3.1	7.8	0.0	3.7	6.0	0.0	–	–	–	–	0.0
113.0	75.0	–	–	–	–	64.9	0.0	5.3	–	–	–	–	–
113.0	80.0	–	–	–	5.5	6.5	0.0	2.7	–	–	–	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	–	–	0.0	–	0.0
117.0	35.0	0.0	0.0	0.0	0.0	2.7	3.6	0.0	–	–	0.0	–	0.0
117.0	40.0	0.0	0.0	0.0	23.8	26.3	0.0	0.0	–	–	0.0	–	0.0
117.0	45.0	–	0.0	0.0	12.3	24.5	0.0	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	3.1	54.8	11.2	4.6	5.1	–	–	–	–	0.0
117.0	55.0	–	0.0	0.0	0.0	22.3	0.0	24.8	–	–	–	–	–
117.0	60.0	0.0	0.0	0.0	0.0	11.3	0.0	22.2	–	–	–	–	0.0
117.0	70.0	–	0.0	3.2	3.5	5.4	0.0	2.8	–	–	–	–	0.0
117.0	75.0	–	–	–	–	2.8	4.8	0.0	–	–	–	–	–
117.0	80.0	–	–	–	6.4	2.6	1.8	3.0	–	–	–	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	–	–	0.0	–	0.0
120.0	45.0	0.0	0.0	0.0	5.8	0.0	9.9	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	50.0	0.0	0.0	2.8	5.5	0.0	12.0	0.0	–	–	0.0	–	0.0
120.0	55.0	–	0.0	0.0	3.4	0.0	3.1	0.0	–	–	–	–	0.0
120.0	60.0	0.0	8.1	0.0	7.8	–	0.0	2.7	–	–	0.0	–	0.0
120.0	65.0	–	–	–	11.3	–	–	–	–	–	–	–	–
120.0	70.0	0.0	6.1	3.0	14.5	6.4	7.3	0.0	–	–	0.0	–	0.0
120.0	80.0	0.0	2.4	3.2	0.0	11.0	5.4	0.0	–	–	2.5	–	–
120.0	90.0	0.0	0.0	6.4	–	–	–	–	–	–	0.0	–	–
120.0	100.0	2.8	2.8	0.0	–	–	–	–	–	–	–	–	–
123.0	37.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	3.0	–	0.0
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	17.8	–	0.0
123.0	45.0	0.0	0.0	0.0	0.0	19.1	0.0	3.0	–	–	–	–	–
123.0	50.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	–	–	3.0	–	0.0
123.0	55.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	–	–	–	–	0.0
123.0	60.0	–	–	5.4	1.3	0.0	0.0	0.0	–	–	0.0	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.4	–	0.0
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	–	–	5.7	–	0.0
127.0	45.0	0.0	0.0	0.0	2.9	0.0	0.0	5.5	–	–	–	–	–
127.0	50.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	55.0	0.0	0.0	2.8	0.0	0.0	0.0	4.9	–	–	–	–	0.0
127.0	60.0	–	–	8.4	0.0	8.6	0.0	2.9	–	–	0.0	–	–
130.0	40.0	0.0	0.0	8.4	0.0	0.0	0.0	0.0	–	–	6.1	–	0.0
130.0	50.0	0.0	0.0	0.0	0.0	6.6	0.0	2.8	–	–	0.0	–	0.0
130.0	60.0	0.0	0.0	3.3	1.7	0.0	2.6	7.9	–	–	0.0	–	–
133.0	50.0	–	–	0.0	0.0	0.0	0.0	8.2	–	–	–	–	–
137.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	–	–	–	–	0.0
137.0	50.0	–	–	0.0	0.0	0.0	1.8	2.7	–	–	–	–	–
137.0	60.0	–	–	3.2	–	–	–	–	–	–	–	–	–
153.0	16.0	0.0	2.8	0.0	–	–	–	–	–	–	–	–	–
153.0	20.0	0.0	2.9	0.0	–	–	–	–	–	–	–	–	–

Leuroglossus stilbius

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	55.0	–	–	–	–	0.0	0.0	23.3	–	–	0.0	–	–
70.0	60.0	–	–	–	–	5.9	0.0	0.0	–	–	0.0	–	–
70.0	80.0	–	–	–	–	–	6.5	0.0	–	–	3.0	–	–
73.0	50.0	–	–	–	–	–	0.0	0.0	–	–	2.9	–	–
73.0	60.0	–	–	–	–	–	5.4	0.0	–	–	0.0	–	–
73.0	90.0	–	–	–	–	–	3.4	0.0	–	–	–	–	–
77.0	50.0	–	–	–	–	0.0	3.2	0.0	–	–	0.0	–	–
77.0	55.0	–	–	–	–	0.0	9.6	7.2	–	–	0.0	–	–
77.0	70.0	–	–	–	–	0.0	3.5	0.0	–	–	–	–	–
80.0	51.0	5.5	–	12.5	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	55.0	133.7	0.0	17.4	13.1	5.5	7.3	0.0	–	–	0.0	0.0	–
80.0	60.0	16.0	18.0	0.0	73.4	0.0	0.0	0.0	–	–	0.0	0.0	–

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	70.0	5.5	45.2	20.3	24.0	5.5	0.0	0.0	–	–	0.0	0.0	–
80.0	80.0	3.1	0.0	0.0	33.5	0.0	0.0	3.0	–	–	0.0	–	0.0
83.0	40.0	38.9	2.3	0.0	–	–	0.0	1.5	–	–	0.0	–	2.2
83.0	43.0	361.9	9.8	17.0	22.4	0.0	3.1	10.8	–	–	0.0	–	0.0
83.0	51.0	95.2	22.1	12.1	0.0	0.0	0.0	5.4	–	–	0.0	–	3.4
83.0	55.0	–	–	–	–	–	9.1	5.8	–	–	–	–	–
83.0	60.0	391.3	58.1	24.6	24.2	6.2	0.0	9.2	–	–	0.0	–	2.9
83.0	65.0	–	–	–	–	–	5.0	0.0	–	–	–	–	–
83.0	70.0	–	–	–	0.0	–	0.0	6.0	–	–	–	–	–
83.0	75.0	–	–	–	–	–	27.7	–	–	–	–	–	–
83.0	80.0	–	–	–	0.0	–	53.0	–	–	–	–	–	–
83.0	90.0	–	–	–	0.0	–	11.6	–	–	–	–	–	–
87.0	35.0	31.6	36.5	21.3	5.6	0.0	11.7	10.6	–	–	0.0	–	0.0
87.0	40.0	55.7	5.9	40.9	9.4	3.2	0.0	4.6	–	–	0.0	–	0.0
87.0	45.0	–	–	–	–	7.1	0.0	0.0	–	–	0.0	–	–
87.0	50.0	34.7	85.5	2.4	0.0	0.0	12.0	0.0	–	–	0.0	–	0.0
87.0	55.0	–	–	–	–	0.0	6.2	5.4	–	–	–	–	–
87.0	60.0	681.7	91.5	–	8.1	0.0	0.0	12.9	–	–	0.0	–	0.0
87.0	65.0	–	–	–	–	–	0.0	11.0	–	–	–	–	–
87.0	70.0	–	–	–	0.0	–	0.0	16.6	–	–	–	–	–
90.0	28.0	5.5	0.0	0.0	–	0.0	10.1	5.5	–	–	0.0	–	0.0
90.0	30.0	33.9	74.6	0.0	10.2	28.9	14.9	5.7	–	–	0.0	–	0.0
90.0	37.0	59.3	86.1	2.5	75.3	34.5	5.3	0.0	–	–	0.0	–	36.1
90.0	45.0	93.5	40.6	17.5	133.4	13.9	0.0	3.2	–	–	0.0	–	12.0
90.0	50.0	52.2	–	0.0	9.1	0.0	2.9	4.2	–	–	–	–	–
90.0	55.0	–	–	–	–	3.0	0.0	5.4	–	–	0.0	–	0.0
90.0	60.0	108.8	108.8	116.4	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	65.0	–	–	–	–	5.7	13.8	0.0	–	–	–	–	–
90.0	70.0	316.3	9.7	40.7	2.5	9.1	0.0	0.0	–	–	0.0	–	0.0
90.0	80.0	–	–	3.1	6.9	0.0	–	0.0	–	–	0.0	–	0.0
93.0	27.0	20.8	12.3	14.0	0.0	0.0	2.3	0.0	–	–	0.0	–	0.0
93.0	30.0	48.2	55.9	60.5	20.8	0.0	24.4	0.0	–	–	0.0	–	2.5
93.0	35.0	–	–	–	–	12.1	21.7	6.0	–	–	–	–	–
93.0	40.0	91.5	193.9	40.4	61.4	19.7	41.6	3.1	–	–	0.0	–	18.2
93.0	45.0	–	–	–	–	3.1	34.7	4.9	–	–	–	–	–
93.0	50.0	712.2	226.4	13.2	6.2	3.1	8.4	11.3	–	–	0.0	–	0.0
93.0	55.0	–	–	–	–	3.1	5.0	20.4	–	–	–	–	–
93.0	60.0	–	–	34.8	0.0	3.1	0.0	5.6	–	–	0.0	–	–
93.0	70.0	–	–	55.2	14.2	3.0	0.0	0.0	–	–	–	–	–
93.0	80.0	–	–	–	19.7	0.0	0.0	2.7	–	–	–	–	–
93.0	90.0	–	–	–	0.0	2.8	–	0.0	–	–	–	–	–
97.0	30.0	1.9	0.0	0.0	0.0	–	1.3	0.0	–	–	0.0	–	2.3
97.0	32.0	44.0	25.5	30.6	25.0	–	20.5	13.9	–	–	0.0	–	3.1
97.0	35.0	–	–	–	–	–	22.0	0.0	–	–	–	–	–
97.0	40.0	96.0	125.2	132.2	68.0	–	16.2	10.6	–	–	0.0	–	11.5
97.0	45.0	–	–	–	–	–	13.0	12.0	–	–	–	–	–

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	50.0	568.5	18.7	6.9	76.7	–	14.0	0.0	–	–	0.0	–	0.0
97.0	60.0	–	–	7.9	6.0	–	3.8	0.0	–	–	0.0	–	–
97.0	65.0	–	–	–	–	–	3.7	0.0	–	–	–	–	–
97.0	70.0	–	–	4.7	63.8	–	0.0	0.0	–	–	–	–	–
97.0	75.0	–	–	–	–	–	3.1	0.0	–	–	–	–	–
97.0	80.0	–	–	–	2.8	–	0.0	0.0	–	–	–	–	–
97.0	90.0	–	–	–	0.0	–	0.0	6.1	–	–	–	–	–
100.0	29.0	29.1	19.5	18.2	3.4	–	0.0	0.0	–	–	0.0	–	0.0
100.0	30.0	61.7	8.4	22.0	2.5	–	16.3	0.0	–	–	0.0	–	10.9
100.0	35.0	–	–	–	–	–	12.3	0.0	–	–	–	–	–
100.0	40.0	3.0	11.6	146.7	58.6	–	16.2	4.7	–	–	0.0	–	0.0
100.0	45.0	–	–	–	–	–	44.4	9.5	–	–	–	–	–
100.0	50.0	3.2	6.1	51.0	28.4	–	11.7	0.0	–	–	–	–	0.0
100.0	55.0	–	–	–	–	–	13.8	0.0	–	–	–	–	–
100.0	60.0	0.0	78.3	13.8	8.7	–	19.0	0.0	–	–	0.0	–	0.0
100.0	70.0	0.0	6.9	2.9	2.9	–	0.0	2.9	–	–	0.0	–	0.0
100.0	80.0	0.0	46.7	0.0	11.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	85.0	–	–	–	–	–	6.5	0.0	–	–	–	–	–
100.0	90.0	–	–	3.4	0.0	–	0.0	0.0	–	–	–	–	–
103.0	30.0	4.4	4.7	0.0	0.0	–	0.9	0.0	–	–	0.0	–	0.0
103.0	35.0	0.0	0.0	46.2	5.4	–	1.5	2.9	–	–	0.0	–	0.0
103.0	40.0	0.0	3.5	9.0	4.0	–	2.9	5.3	–	–	0.0	–	0.0
103.0	45.0	–	–	–	15.6	–	0.0	0.0	–	–	–	–	–
103.0	50.0	0.0	6.9	53.6	22.1	–	4.5	3.2	–	–	–	–	0.0
103.0	55.0	–	–	–	29.9	–	16.1	0.0	–	–	–	–	–
103.0	60.0	21.1	14.6	11.0	13.5	–	0.0	0.0	–	–	–	–	0.0
103.0	65.0	–	–	–	11.0	–	0.0	0.0	–	–	–	–	–
103.0	70.0	–	–	0.0	0.0	–	1.4	0.0	–	–	–	–	–
107.0	32.0	4.0	0.0	0.0	7.3	–	4.9	2.8	–	–	0.0	–	5.4
107.0	35.0	0.0	6.6	3.5	16.1	–	32.7	0.0	–	–	0.0	–	0.0
107.0	40.0	0.0	3.3	2.9	8.5	–	21.9	0.0	–	–	0.0	–	0.0
107.0	45.0	–	–	–	–	12.2	5.6	0.0	–	–	–	–	–
107.0	50.0	0.0	0.0	3.5	0.0	3.1	6.4	0.0	–	–	–	–	0.0
107.0	55.0	–	–	–	–	0.0	0.0	3.2	–	–	–	–	–
107.0	65.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
107.0	70.0	–	–	0.0	0.0	3.2	0.0	0.0	–	–	–	–	–
110.0	33.0	10.7	70.8	22.2	3.1	39.1	0.0	5.9	–	–	0.0	–	4.6
110.0	35.0	8.6	102.7	12.2	28.0	43.0	4.2	0.0	–	–	0.0	–	5.1
110.0	40.0	8.6	0.0	3.2	22.3	19.1	0.0	0.0	–	–	0.0	–	0.0
110.0	45.0	–	–	–	–	0.0	2.2	0.0	–	–	–	–	–
110.0	50.0	0.0	0.0	8.4	21.2	0.0	0.0	3.7	–	–	0.0	–	–
110.0	60.0	0.0	6.1	10.1	1.3	3.2	0.0	0.0	–	–	0.0	–	0.0
110.0	65.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
110.0	70.0	0.0	0.0	9.8	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–	0.0	–	0.0
110.0	90.0	–	–	3.5	3.1	0.0	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	30.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	35.0	0.0	142.2	33.9	26.4	0.0	0.0	0.0	–	–	3.7	–	25.4
113.0	40.0	8.2	8.9	12.6	31.9	0.0	0.0	0.0	–	–	0.0	–	15.9
113.0	45.0	–	36.7	6.5	6.1	0.0	0.0	0.0	–	–	–	–	–
113.0	50.0	0.0	22.2	62.6	12.8	2.8	0.0	0.0	–	–	–	–	0.0
113.0	55.0	–	3.3	68.9	14.4	0.0	0.0	0.0	–	–	–	–	–
113.0	60.0	9.1	0.0	0.0	15.4	0.0	2.9	0.0	–	–	–	–	0.0
113.0	65.0	–	–	–	–	0.0	10.4	0.0	–	–	–	–	–
113.0	70.0	–	0.0	0.0	3.6	3.7	6.0	0.0	–	–	–	–	0.0
117.0	26.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	30.0	0.0	40.4	72.2	0.0	0.0	5.8	0.0	–	–	0.0	–	0.0
117.0	35.0	351.9	100.5	46.9	3.2	18.8	0.0	0.0	–	–	6.8	–	6.4
117.0	40.0	20.9	120.0	23.5	0.0	3.3	0.0	0.0	–	–	0.0	–	6.0
117.0	45.0	–	76.1	187.3	0.0	9.8	0.0	0.0	–	–	–	–	–
117.0	50.0	9.6	28.3	258.7	11.0	0.0	0.0	0.0	–	–	–	–	2.6
117.0	55.0	–	3.4	85.6	45.9	0.0	0.0	0.0	–	–	–	–	–
117.0	60.0	0.0	0.0	57.6	35.4	0.0	3.3	0.0	–	–	–	–	0.0
117.0	65.0	–	–	–	–	0.0	5.5	0.0	–	–	–	–	–
117.0	70.0	–	0.0	0.0	10.5	0.0	0.0	0.0	–	–	–	–	0.0
120.0	30.0	0.0	0.0	44.7	0.0	0.0	4.2	0.0	–	–	0.0	–	0.0
120.0	35.0	0.0	0.0	3.5	7.3	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	40.0	0.0	5.3	5.4	0.0	0.0	0.0	0.0	–	–	–	–	0.0
120.0	45.0	9.2	6.7	39.4	57.2	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	50.0	0.0	0.0	25.0	54.1	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	55.0	–	0.0	42.4	16.3	0.0	0.0	0.0	–	–	–	–	0.0
120.0	60.0	0.0	0.0	14.6	10.8	–	0.0	0.0	–	–	0.0	–	0.0
120.0	65.0	–	–	–	25.5	–	–	–	–	–	–	–	–
120.0	70.0	0.0	0.0	6.0	1.3	6.4	7.3	0.0	–	–	0.0	–	0.0
120.0	80.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–	0.0	–	–
123.0	37.0	0.0	1.7	6.1	0.0	–	0.0	0.0	–	–	0.0	–	0.0
123.0	40.0	3.1	4.5	71.6	9.5	9.8	0.0	0.0	–	–	4.4	–	0.0
123.0	45.0	0.0	9.5	117.6	19.0	0.0	0.0	0.0	–	–	–	–	–
123.0	50.0	0.0	0.0	95.6	11.5	0.0	0.0	3.0	–	–	3.0	–	0.0
123.0	55.0	3.4	0.0	209.0	22.2	0.0	0.0	2.6	–	–	–	–	0.0
123.0	60.0	–	–	67.3	4.0	0.0	0.0	5.5	–	–	0.0	–	–
127.0	40.0	0.0	4.4	157.4	5.2	14.6	11.3	0.0	–	–	11.4	–	0.0
127.0	45.0	0.0	10.2	10.9	5.7	0.0	9.8	0.0	–	–	–	–	–
127.0	50.0	0.0	5.7	3.8	3.5	0.0	10.8	0.0	–	–	0.0	–	0.0
127.0	55.0	0.0	2.2	5.6	23.6	0.0	0.0	2.4	–	–	–	–	0.0
127.0	60.0	–	–	2.8	0.0	0.0	0.0	2.9	–	–	0.0	–	–
130.0	30.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	35.0	0.0	3.0	66.0	86.4	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	40.0	0.0	0.0	72.8	64.2	24.7	6.6	0.0	–	–	0.0	–	0.0
130.0	50.0	0.0	0.0	2.7	2.6	6.6	0.0	0.0	–	–	2.4	–	0.0
130.0	60.0	0.0	0.0	3.3	1.7	0.0	0.0	0.0	–	–	0.0	–	–
133.0	25.0	0.0	–	0.0	0.0	0.0	0.0	5.1	–	–	0.0	–	0.0

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	30.0	0.0	0.0	20.7	0.0	20.3	0.0	0.0	–	–	0.0	–	0.0
133.0	40.0	0.0	6.1	60.5	8.7	–	9.9	0.0	–	–	–	–	0.0
133.0	50.0	–	–	41.0	7.5	0.0	0.0	0.0	–	–	–	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	–	–	0.0	–	0.0
137.0	30.0	0.0	0.0	2.2	0.0	5.6	29.0	18.6	–	–	0.0	–	0.0
137.0	40.0	0.0	0.0	0.0	3.1	23.9	0.0	0.0	–	–	–	–	0.0
137.0	50.0	–	–	14.8	2.7	0.0	0.0	0.0	–	–	–	–	–
137.0	60.0	–	–	3.2	–	–	–	–	–	–	–	–	–
140.0	35.0	0.0	2.8	7.7	–	–	–	–	–	–	–	–	0.0
143.0	30.0	0.0	0.0	61.6	–	–	–	–	–	–	–	–	3.0
143.0	35.0	0.0	0.0	41.7	–	–	–	–	–	–	–	–	0.0
147.0	25.0	0.0	0.0	3.9	–	–	–	–	–	–	–	–	0.0
147.0	30.0	0.0	0.0	5.6	–	–	–	–	–	–	–	–	0.0
150.0	19.0	0.0	0.0	12.8	–	–	–	–	–	–	–	–	0.0
150.0	25.0	0.0	0.0	2.4	–	–	–	–	–	–	–	–	0.0

Stomiiformes

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–	0.0	–	0.0
100.0	90.0	–	–	0.0	0.0	–	0.0	6.0	–	–	–	–	–
157.0	30.0	0.0	5.5	0.0	–	–	–	–	–	–	–	–	–

Cyclothone spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	90.0	–	–	–	–	–	0.0	–	–	–	3.0	–	–
80.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	–	–	0.0	–	0.0
87.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.1	–	0.0
90.0	70.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	90.0	–	–	0.0	0.0	0.0	–	14.1	–	–	2.5	–	–
100.0	50.0	0.0	0.0	0.0	0.0	–	1.9	0.0	–	–	–	–	0.0
100.0	80.0	0.0	0.0	6.9	0.0	–	0.0	0.0	–	–	0.0	–	3.0
100.0	85.0	–	–	–	–	–	6.5	0.0	–	–	–	–	–
100.0	90.0	–	–	13.6	0.0	–	28.0	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	0.0	2.4	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	0.0	5.5	–	0.0	0.0	–	–	0.0	–	0.0
103.0	45.0	–	–	–	2.6	–	0.0	0.0	–	–	–	–	–
103.0	55.0	–	–	–	0.0	–	6.4	0.0	–	–	–	–	–
103.0	60.0	0.0	0.0	0.0	0.0	–	3.1	0.0	–	–	–	–	0.0
103.0	65.0	–	–	–	5.5	–	0.0	5.0	–	–	–	–	–
103.0	70.0	–	–	0.0	34.5	–	0.0	3.0	–	–	–	–	–
103.0	75.0	–	–	–	42.3	–	1.3	2.9	–	–	–	–	–
103.0	80.0	–	–	–	5.0	–	1.1	14.1	–	–	–	–	–

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	85.0	–	–	–	–	–	0.0	14.5	–	–	–	–	–
103.0	90.0	–	–	–	–	–	9.5	0.0	–	–	–	–	–
107.0	40.0	0.0	0.0	0.0	4.2	–	0.0	0.0	–	–	0.0	–	0.0
107.0	50.0	0.0	0.0	17.4	3.2	0.0	0.0	0.0	–	–	–	–	10.9
107.0	55.0	–	–	–	–	2.7	3.8	0.0	–	–	–	–	–
107.0	60.0	0.0	0.0	22.4	0.0	2.8	0.0	6.4	–	–	–	–	0.0
107.0	70.0	–	–	26.5	2.9	0.0	4.6	23.8	–	–	–	–	–
107.0	75.0	–	–	–	–	0.0	7.8	30.1	–	–	–	–	–
107.0	80.0	–	–	–	7.7	45.8	0.0	3.3	–	–	–	–	–
107.0	85.0	–	–	–	–	6.2	3.2	2.8	–	–	–	–	–
107.0	90.0	–	–	–	–	3.0	2.5	0.0	–	–	–	–	–
110.0	35.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	40.0	0.0	0.0	0.0	7.4	0.0	6.2	0.0	–	–	0.0	–	0.0
110.0	50.0	0.0	0.0	0.0	3.5	8.6	0.0	0.0	–	–	7.3	–	–
110.0	55.0	–	–	–	–	10.5	0.0	0.0	–	–	–	–	–
110.0	60.0	0.0	0.0	3.4	1.8	38.0	6.3	2.7	–	–	0.0	–	0.0
110.0	65.0	–	–	–	–	15.4	0.0	0.0	–	–	–	–	–
110.0	70.0	0.0	0.0	0.0	0.0	3.1	0.0	31.6	–	–	0.0	–	10.5
110.0	75.0	–	–	–	–	2.9	0.0	5.6	–	–	–	–	–
110.0	80.0	0.0	0.0	3.0	8.3	2.7	24.2	2.6	–	–	0.0	–	0.0
110.0	85.0	–	–	–	–	0.0	2.1	0.0	–	–	–	–	–
110.0	90.0	–	–	10.4	3.1	7.9	0.0	0.0	–	–	19.0	–	–
113.0	40.0	0.0	0.0	0.0	0.0	9.8	3.1	0.0	–	–	0.0	–	0.0
113.0	45.0	–	0.0	0.0	6.1	0.0	2.4	2.9	–	–	–	–	–
113.0	50.0	0.0	0.0	0.0	9.6	2.8	3.1	0.0	–	–	–	–	0.0
113.0	55.0	–	0.0	0.0	2.9	0.0	0.0	2.6	–	–	–	–	–
113.0	60.0	0.0	0.0	0.0	1.4	0.0	0.0	7.7	–	–	–	–	0.0
113.0	65.0	–	–	–	–	0.0	0.0	10.8	–	–	–	–	–
113.0	70.0	–	3.1	7.8	0.0	0.0	0.0	0.0	–	–	–	–	0.0
113.0	75.0	–	–	–	–	35.4	2.9	0.0	–	–	–	–	–
113.0	80.0	–	–	–	11.0	29.3	0.0	0.0	–	–	–	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.8	–	0.0
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	–	–	0.0	–	0.0
117.0	45.0	–	0.0	0.0	0.0	12.3	2.9	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	0.0	3.7	2.2	2.3	0.0	–	–	–	–	0.0
117.0	55.0	–	0.0	0.0	0.0	19.1	3.0	5.0	–	–	–	–	–
117.0	65.0	–	–	–	–	0.0	0.0	5.4	–	–	–	–	–
117.0	70.0	–	0.0	9.7	3.5	0.0	0.0	0.0	–	–	–	–	0.0
117.0	75.0	–	–	–	–	5.6	0.0	0.0	–	–	–	–	–
117.0	80.0	–	–	–	4.2	2.6	0.0	0.0	–	–	–	–	–
120.0	50.0	3.3	0.0	0.0	0.0	0.0	6.0	0.0	–	–	0.0	–	0.0
120.0	55.0	–	0.0	0.0	0.0	0.0	3.1	0.0	–	–	–	–	0.0
120.0	60.0	0.0	0.0	0.0	0.7	–	0.0	2.7	–	–	0.0	–	0.0
120.0	65.0	–	–	–	8.5	–	–	–	–	–	–	–	–
120.0	70.0	3.3	6.1	6.0	7.9	0.0	0.0	0.0	–	–	3.9	–	2.5
120.0	75.0	–	–	–	10.0	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	80.0	0.0	0.0	9.5	6.1	13.7	0.0	0.0	–	–	5.0	–	–
120.0	90.0	5.5	0.0	15.9	–	–	–	–	–	–	26.5	–	–
120.0	100.0	8.6	0.0	14.1	–	–	–	–	–	–	–	–	–
123.0	50.0	6.2	3.4	0.0	1.3	6.3	0.0	0.0	–	–	0.0	–	0.0
123.0	55.0	0.0	4.0	0.0	12.7	3.1	0.0	0.0	–	–	–	–	0.0
123.0	60.0	–	–	0.0	9.4	0.0	0.0	0.0	–	–	0.0	–	–
127.0	45.0	0.0	5.1	0.0	2.9	0.0	0.0	0.0	–	–	–	–	–
127.0	50.0	0.0	0.0	3.8	0.0	6.2	0.0	0.0	–	–	0.0	–	0.0
127.0	55.0	0.0	0.0	11.3	0.0	0.0	5.9	0.0	–	–	–	–	11.2
127.0	60.0	–	–	8.4	3.9	11.4	2.3	0.0	–	–	0.0	–	–
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.2	–	0.0
130.0	40.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	–	–	6.1	–	0.0
130.0	50.0	0.0	2.7	2.7	5.1	0.0	0.0	2.8	–	–	2.4	–	0.0
130.0	60.0	0.0	0.0	26.6	12.8	0.0	0.0	7.9	–	–	0.0	–	–
133.0	40.0	0.0	0.0	5.0	0.0	–	0.0	0.0	–	–	–	–	0.0
133.0	50.0	–	–	2.7	0.0	0.0	0.0	2.7	–	–	–	–	–
133.0	60.0	–	–	2.8	–	–	–	–	–	–	–	–	–
137.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	2.9
137.0	50.0	–	–	3.0	0.0	2.6	0.0	2.7	–	–	–	–	–
150.0	25.0	0.0	0.0	2.4	–	–	–	–	–	–	–	–	0.0

Diplophos taenia

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
157.0	30.0	0.0	2.7	0.0	–	–	–	–	–	–	–	–	–

Ichthyococcus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	60.0	0.0	0.0	0.0	0.0	–	2.9	0.0	–	–	–	–	0.0
107.0	35.0	0.0	6.6	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
107.0	50.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	–	–	–	–	0.0
107.0	55.0	–	–	–	–	2.7	0.0	0.0	–	–	–	–	–
107.0	70.0	–	–	0.0	0.0	3.2	0.0	0.0	–	–	–	–	–
107.0	75.0	–	–	–	–	6.1	2.6	0.0	–	–	–	–	–
110.0	55.0	–	–	–	–	2.6	0.0	0.0	–	–	–	–	–
110.0	80.0	0.0	0.0	0.0	1.2	0.0	3.0	0.0	–	–	0.0	–	0.0
110.0	85.0	–	–	–	–	3.0	0.0	2.9	–	–	–	–	–
113.0	40.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–	0.0	–	0.0
113.0	50.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–	–	–	0.0
113.0	55.0	–	3.3	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
113.0	80.0	–	–	–	0.0	6.5	0.0	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	–	–	–	–	0.0
117.0	55.0	–	0.0	0.0	0.0	6.4	0.0	0.0	–	–	–	–	–

TABLE 4. (cont.)

Ichthyococcus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	80.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	90.0	2.8	0.0	3.2	–	–	–	–	–	–	0.0	–	–
120.0	100.0	0.0	0.0	2.8	–	–	–	–	–	–	–	–	–
123.0	55.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	–	–	–	–	0.0
123.0	60.0	–	–	0.0	1.3	0.0	0.0	0.0	–	–	0.0	–	–
127.0	50.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	55.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	–	–	–	–	0.0
127.0	60.0	–	–	0.0	0.0	5.7	0.0	0.0	–	–	0.0	–	–
130.0	40.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	55.0	–	–	–	4.7	–	–	–	–	–	–	–	–
130.0	60.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	–	–	0.0	–	–

Vinciguerria lucetia

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	3.4
100.0	70.0	0.0	3.5	0.0	0.0	–	0.0	0.0	–	–	0.0	–	5.9
100.0	80.0	0.0	0.0	6.9	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	85.0	–	–	–	–	–	6.5	0.0	–	–	–	–	–
100.0	90.0	–	–	0.0	0.0	–	34.2	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	0.0	3.7	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	6.0	4.4	–	0.0	0.0	–	–	0.0	–	0.0
103.0	50.0	0.0	0.0	6.7	0.0	–	0.0	0.0	–	–	–	–	0.0
103.0	55.0	–	–	–	0.0	–	3.8	0.0	–	–	–	–	–
103.0	70.0	–	–	19.5	43.8	–	0.0	32.6	–	–	–	–	–
103.0	75.0	–	–	–	112.8	–	6.5	5.8	–	–	–	–	–
103.0	80.0	–	–	–	25.2	–	4.6	14.1	–	–	–	–	–
103.0	85.0	–	–	–	–	–	0.0	16.9	–	–	–	–	–
103.0	90.0	–	–	–	–	–	19.0	3.4	–	–	–	–	–
107.0	40.0	0.0	0.0	2.9	0.0	–	0.0	0.0	–	–	0.0	–	0.0
107.0	50.0	0.0	3.3	17.4	3.2	0.0	0.0	0.0	–	–	–	–	0.0
107.0	55.0	–	–	–	–	5.4	0.0	0.0	–	–	–	–	–
107.0	60.0	0.0	0.0	12.8	9.6	2.8	2.6	12.8	–	–	–	–	0.0
107.0	65.0	–	–	–	–	0.0	2.8	6.2	–	–	–	–	–
107.0	70.0	–	–	13.3	0.0	6.3	0.0	172.8	–	–	–	–	–
107.0	75.0	–	–	–	–	0.0	18.1	148.0	–	–	–	–	–
107.0	80.0	–	–	–	8.0	60.1	14.6	23.0	–	–	–	–	–
107.0	85.0	–	–	–	–	3.1	6.3	65.5	–	–	–	–	–
107.0	90.0	–	–	–	–	3.0	39.4	59.6	–	–	–	–	–
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	1.9	–	0.0
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.8	–	0.0
110.0	50.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	–	–	14.6	–	–
110.0	55.0	–	–	–	–	23.6	4.8	0.0	–	–	–	–	–
110.0	60.0	2.9	0.0	0.0	1.8	15.9	6.3	13.4	–	–	0.0	–	0.0
110.0	65.0	–	–	–	–	37.0	0.0	2.5	–	–	–	–	–

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	70.0	0.0	0.0	3.3	0.0	12.3	2.5	163.1	-	-	9.5	-	15.7
110.0	75.0	-	-	-	-	11.6	2.5	2.8	-	-	-	-	-
110.0	80.0	0.0	0.0	3.0	23.8	13.7	72.7	26.0	-	-	5.8	-	12.0
110.0	85.0	-	-	-	-	30.5	4.2	5.7	-	-	-	-	-
110.0	90.0	-	-	20.8	15.3	7.9	25.9	25.5	-	-	211.4	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	36.8	0.0	-	-	0.0	-	0.0
113.0	45.0	-	0.0	0.0	6.1	0.0	2.4	22.9	-	-	-	-	-
113.0	50.0	0.0	0.0	0.0	22.3	2.8	3.1	0.0	-	-	-	-	0.0
113.0	55.0	-	0.0	0.0	0.0	3.0	0.0	5.1	-	-	-	-	-
113.0	60.0	0.0	3.3	0.0	4.2	0.0	2.9	12.9	-	-	-	-	0.0
113.0	65.0	-	-	-	-	0.0	5.2	43.2	-	-	-	-	-
113.0	70.0	-	0.0	81.5	0.0	0.0	30.1	6.0	-	-	-	-	0.0
113.0	75.0	-	-	-	-	94.4	14.3	5.3	-	-	-	-	-
113.0	80.0	-	-	-	41.4	417.3	0.0	2.7	-	-	-	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	2.7	2.5	-	-	0.0	-	0.0
117.0	45.0	-	0.0	0.0	3.1	12.3	11.6	0.0	-	-	-	-	-
117.0	50.0	0.0	0.0	6.2	0.0	15.6	0.0	5.1	-	-	-	-	0.0
117.0	55.0	-	6.8	0.0	0.0	0.0	3.0	119.0	-	-	-	-	-
117.0	60.0	0.0	19.9	0.0	0.0	2.8	0.0	22.2	-	-	-	-	0.0
117.0	65.0	-	-	-	-	0.0	0.0	16.3	-	-	-	-	-
117.0	70.0	-	3.7	29.2	0.0	5.4	0.0	0.0	-	-	-	-	0.0
117.0	75.0	-	-	-	-	5.6	0.0	7.3	-	-	-	-	-
117.0	80.0	-	-	-	29.7	0.0	5.3	0.0	-	-	-	-	-
120.0	45.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
120.0	50.0	9.9	10.8	8.3	8.3	0.0	29.9	0.0	-	-	0.0	-	0.0
120.0	55.0	-	0.0	0.0	0.0	0.0	9.3	0.0	-	-	-	-	0.0
120.0	60.0	9.2	64.8	0.0	3.5	-	0.0	19.2	-	-	0.0	-	0.0
120.0	65.0	-	-	-	11.3	-	-	-	-	-	-	-	-
120.0	70.0	23.2	92.1	125.2	51.4	0.0	0.0	0.0	-	-	7.9	-	2.5
120.0	75.0	-	-	-	77.2	-	-	-	-	-	-	-	-
120.0	80.0	78.8	49.8	72.7	28.7	2.7	0.0	6.2	-	-	32.8	-	-
120.0	90.0	154.6	4.4	82.7	-	-	-	-	-	-	588.3	-	-
120.0	100.0	188.1	42.0	155.1	-	-	-	-	-	-	-	-	-
123.0	37.0	0.0	1.7	0.0	0.0	-	0.0	0.0	-	-	6.0	-	0.0
123.0	40.0	3.1	2.3	0.0	0.0	0.0	0.0	0.0	-	-	4.4	-	0.0
123.0	45.0	3.2	19.1	2.9	0.0	4.8	0.0	0.0	-	-	-	-	-
123.0	50.0	15.4	37.4	1.8	7.4	40.8	0.0	3.0	-	-	3.0	-	0.0
123.0	55.0	34.1	45.5	37.5	12.7	25.0	0.0	5.1	-	-	-	-	0.0
123.0	60.0	-	-	2.7	51.9	0.0	2.8	0.0	-	-	10.1	-	-
127.0	34.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	-	-	4.4	-	0.0
127.0	40.0	0.0	4.4	39.9	10.3	0.0	0.0	5.4	-	-	11.4	-	0.0
127.0	45.0	22.7	25.4	8.2	8.6	0.0	0.0	0.0	-	-	-	-	-
127.0	50.0	15.0	62.7	26.6	0.0	0.0	0.0	5.6	-	-	0.0	-	10.9
127.0	55.0	0.0	11.0	284.8	6.7	49.8	32.7	0.0	-	-	-	-	61.4
127.0	60.0	-	-	83.7	40.5	62.9	16.2	2.9	-	-	0.0	-	-
130.0	30.0	2.5	2.0	0.0	0.0	0.0	1.4	0.0	-	-	0.0	-	0.0

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	35.0	22.3	0.0	0.0	4.3	0.0	5.7	0.0	-	-	17.0	-	0.0
130.0	40.0	63.4	12.5	16.8	2.1	0.0	16.5	0.0	-	-	195.2	-	0.0
130.0	50.0	12.9	5.4	16.0	21.5	0.0	0.0	33.0	-	-	334.6	-	0.0
130.0	55.0	-	-	-	21.2	-	-	-	-	-	-	-	-
130.0	60.0	9.2	6.5	166.0	74.0	0.0	26.4	428.7	-	-	169.7	-	-
133.0	25.0	2.5	-	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
133.0	30.0	0.0	1.9	2.6	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
133.0	40.0	0.0	0.0	20.2	5.8	-	3.3	0.0	-	-	-	-	11.3
133.0	50.0	-	-	16.4	30.1	6.7	0.0	16.4	-	-	-	-	-
133.0	60.0	-	-	8.5	-	-	-	-	-	-	-	-	-
137.0	30.0	3.0	0.0	6.5	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
137.0	40.0	2.7	11.6	80.9	9.2	0.0	0.0	8.9	-	-	-	-	23.5
137.0	50.0	-	-	23.6	2.7	76.6	5.5	120.1	-	-	-	-	-
137.0	60.0	-	-	35.3	-	-	-	-	-	-	-	-	-
140.0	30.0	0.0	8.1	0.0	-	-	-	-	-	-	-	-	5.6
140.0	35.0	0.0	13.9	0.0	-	-	-	-	-	-	-	-	0.0
140.0	40.0	3.5	43.5	25.1	-	-	-	-	-	-	-	-	6.1
140.0	50.0	-	-	201.5	-	-	-	-	-	-	-	-	-
143.0	26.0	0.0	17.7	0.0	-	-	-	-	-	-	-	-	0.0
143.0	30.0	3.0	7.2	0.0	-	-	-	-	-	-	-	-	3.0
143.0	35.0	6.5	0.0	0.0	-	-	-	-	-	-	-	-	9.6
143.0	40.0	-	-	9.6	-	-	-	-	-	-	-	-	-
143.0	50.0	-	-	8.7	-	-	-	-	-	-	-	-	-
147.0	20.0	0.0	69.5	15.1	-	-	-	-	-	-	-	-	62.4
147.0	25.0	5.9	24.6	23.3	-	-	-	-	-	-	-	-	27.7
147.0	30.0	6.6	19.1	26.2	-	-	-	-	-	-	-	-	109.5
147.0	40.0	-	-	3.3	-	-	-	-	-	-	-	-	-
150.0	19.0	3.3	29.7	6.4	-	-	-	-	-	-	-	-	3.0
150.0	25.0	12.1	2.3	75.5	-	-	-	-	-	-	-	-	0.0
150.0	30.0	9.1	0.0	94.1	-	-	-	-	-	-	-	-	62.8
150.0	40.0	-	-	46.7	-	-	-	-	-	-	-	-	-
153.0	16.0	264.0	62.3	2.2	-	-	-	-	-	-	-	-	-
153.0	20.0	51.5	113.9	0.0	-	-	-	-	-	-	-	-	-
153.0	30.0	-	7.3	37.7	-	-	-	-	-	-	-	-	-
153.0	40.0	-	-	413.4	-	-	-	-	-	-	-	-	-
157.0	10.0	0.0	473.6	305.9	-	-	-	-	-	-	-	-	-
157.0	20.0	8.5	80.0	12.0	-	-	-	-	-	-	-	-	-
157.0	30.0	19.0	128.3	0.0	-	-	-	-	-	-	-	-	-
157.0	40.0	-	-	357.4	-	-	-	-	-	-	-	-	-

Sternoptychidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	90.0	-	-	-	-	-	3.4	0.0	-	-	-	-	-
90.0	30.0	0.0	12.4	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	0.0

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	37.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
100.0	60.0	0.0	0.0	3.4	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	90.0	–	–	0.0	0.0	–	6.2	0.0	–	–	–	–	–
103.0	65.0	–	–	–	0.0	–	0.0	10.1	–	–	–	–	–
103.0	90.0	–	–	–	–	–	1.6	0.0	–	–	–	–	–
107.0	32.0	0.0	0.0	0.0	0.0	–	0.0	2.8	–	–	0.0	–	0.0
107.0	50.0	0.0	0.0	0.0	3.2	0.0	3.2	0.0	–	–	–	–	0.0
107.0	65.0	–	–	–	–	0.0	2.8	0.0	–	–	–	–	–
107.0	75.0	–	–	–	–	0.0	0.0	2.7	–	–	–	–	–
107.0	80.0	–	–	–	0.0	8.6	0.0	0.0	–	–	–	–	–
107.0	90.0	–	–	–	–	3.0	0.0	0.0	–	–	–	–	–
110.0	65.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
110.0	75.0	–	–	–	–	5.8	0.0	0.0	–	–	–	–	–
110.0	80.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–	0.0	–	0.0
110.0	85.0	–	–	–	–	3.0	0.0	0.0	–	–	–	–	–
113.0	55.0	–	0.0	0.0	0.0	0.0	2.4	0.0	–	–	–	–	–
113.0	80.0	–	–	–	0.0	6.5	0.0	0.0	–	–	–	–	–
117.0	40.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	–	–	0.0	–	0.0
117.0	55.0	–	0.0	0.0	0.0	3.2	0.0	0.0	–	–	–	–	–
120.0	45.0	3.1	0.0	0.0	0.0	0.0	4.9	0.0	–	–	0.0	–	0.0
120.0	90.0	2.8	0.0	0.0	–	–	–	–	–	–	0.0	–	–
123.0	40.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	–	–	0.0	–	0.0
123.0	50.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	40.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	50.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	35.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	40.0	0.0	3.1	0.0	0.0	0.0	0.0	4.3	–	–	0.0	–	0.0
130.0	50.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	60.0	0.0	0.0	3.3	0.0	3.3	0.0	0.0	–	–	0.0	–	–
133.0	50.0	–	–	0.0	3.8	0.0	0.0	0.0	–	–	–	–	–
137.0	50.0	–	–	5.9	0.0	0.0	0.0	0.0	–	–	–	–	–
137.0	60.0	–	–	12.8	–	–	–	–	–	–	–	–	–
143.0	30.0	0.0	0.0	3.1	–	–	–	–	–	–	–	–	0.0
157.0	20.0	2.8	0.0	0.0	–	–	–	–	–	–	–	–	–

Chauliodus macouni

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	65.0	–	–	–	–	0.0	0.0	13.0	–	–	–	–	–
70.0	80.0	–	–	–	–	–	0.0	3.0	–	–	0.0	–	–
70.0	90.0	–	–	–	–	–	0.0	2.2	–	–	0.0	–	–
73.0	70.0	–	–	–	–	–	6.0	0.0	–	–	–	–	–
77.0	55.0	–	–	–	–	5.4	0.0	0.0	–	–	0.0	–	–
80.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.6	–
80.0	80.0	3.1	0.0	0.0	0.0	0.0	5.2	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Chauliodus macouni (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	90.0	–	–	–	0.0	0.0	0.0	0.0	–	–	5.8	–	0.0
83.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.8	–	0.0
83.0	70.0	–	–	–	0.0	–	0.0	6.0	–	–	–	–	–
83.0	75.0	–	–	–	–	–	6.9	–	–	–	–	–	–
87.0	65.0	–	–	–	–	–	3.2	11.0	–	–	–	–	–
87.0	80.0	–	–	–	0.0	–	6.5	–	–	–	–	–	–
87.0	90.0	–	–	–	0.0	–	2.9	–	–	–	–	–	–
90.0	60.0	2.7	0.0	0.0	0.0	0.0	0.0	8.4	–	–	0.0	–	0.0
90.0	70.0	2.8	3.2	0.0	0.0	0.0	5.5	0.0	–	–	0.0	–	0.0
90.0	80.0	–	–	0.0	0.0	0.0	–	0.0	–	–	0.0	–	2.9
90.0	85.0	–	–	–	–	2.9	–	0.0	–	–	–	–	–
93.0	40.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	45.0	–	–	–	–	0.0	0.0	2.4	–	–	–	–	–
93.0	60.0	–	–	0.0	0.0	0.0	0.0	5.6	–	–	0.0	–	–
93.0	65.0	–	–	–	–	0.0	–	8.5	–	–	–	–	–
93.0	75.0	–	–	–	–	3.0	0.0	0.0	–	–	–	–	–
93.0	80.0	–	–	–	0.0	0.0	0.0	2.7	–	–	–	–	–
93.0	90.0	–	–	–	0.0	0.0	–	2.6	–	–	–	–	–
97.0	32.0	0.0	0.0	0.0	0.0	–	1.6	2.8	–	–	0.0	–	0.0
97.0	40.0	0.0	0.0	2.2	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	30.0	0.0	0.0	0.0	0.0	–	1.4	0.0	–	–	0.0	–	0.0
100.0	40.0	0.0	0.0	0.0	2.4	–	0.0	0.0	–	–	0.0	–	0.0
100.0	90.0	–	–	3.4	0.0	–	0.0	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	3.3	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	0.0	0.0	–	0.0	2.7	–	–	0.0	–	0.0
103.0	55.0	–	–	–	0.0	–	1.6	0.0	–	–	–	–	–
103.0	75.0	–	–	–	0.0	–	1.5	0.0	–	–	–	–	–
107.0	32.0	0.0	0.0	0.0	0.0	–	3.3	0.0	–	–	0.0	–	0.0
107.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	–	–	–	–	0.0
110.0	80.0	0.0	0.0	3.0	1.2	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	90.0	–	–	3.5	0.0	0.0	0.0	0.0	–	–	0.0	–	–
113.0	40.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	–	–	0.0	–	0.0
113.0	70.0	–	0.0	3.9	0.0	0.0	0.0	0.0	–	–	–	–	0.0
117.0	40.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	–	–	0.0	–	0.0
117.0	80.0	–	–	–	0.0	2.6	0.0	0.0	–	–	–	–	–

Idiacanthus antrostomus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	90.0	–	–	–	–	–	0.0	–	–	–	3.0	–	–
80.0	80.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
100.0	60.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	3.0	–	0.0
103.0	40.0	0.0	3.5	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	50.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	–	–	3.2
103.0	60.0	0.0	0.0	0.0	0.0	–	1.5	0.0	–	–	–	–	0.0

TABLE 4. (cont.)

Idiacanthus antrostomus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	75.0	–	–	–	0.0	–	0.0	2.9	–	–	–	–	–
103.0	85.0	–	–	–	–	–	0.0	2.4	–	–	–	–	–
107.0	50.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	–	–	–	–	0.0
120.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.5	–	–

Aristostomias scintillans

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	90.0	–	–	0.0	0.0	–	3.1	0.0	–	–	–	–	–
103.0	80.0	–	–	–	2.5	–	0.0	0.0	–	–	–	–	–
107.0	50.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–	–	–	0.0
120.0	70.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0

Bathophilus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	90.0	–	–	–	–	–	0.0	2.2	–	–	0.0	–	–
73.0	90.0	–	–	–	–	–	0.0	15.2	–	–	–	–	–
80.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	–	–	0.0	–	0.0
100.0	90.0	–	–	0.0	0.0	–	3.1	0.0	–	–	–	–	–
103.0	75.0	–	–	–	2.8	–	0.0	0.0	–	–	–	–	–

Stomias atriventer

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	60.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	85.0	–	–	–	–	0.0	–	3.3	–	–	–	–	–
100.0	50.0	0.0	0.0	0.0	0.0	–	0.0	2.5	–	–	–	–	0.0
103.0	35.0	0.0	0.0	3.3	6.6	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	3.5	0.0	5.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	45.0	–	–	–	2.6	–	0.0	0.0	–	–	–	–	–
103.0	70.0	–	–	2.4	0.0	–	0.0	0.0	–	–	–	–	–
107.0	50.0	0.0	3.3	0.0	3.2	3.1	0.0	0.0	–	–	–	–	0.0
107.0	80.0	–	–	–	2.5	0.0	0.0	0.0	–	–	–	–	–
107.0	90.0	–	–	–	–	0.0	2.5	0.0	–	–	–	–	–
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–	0.0	–	0.0
110.0	70.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–	0.0	–	0.0
110.0	80.0	0.0	3.4	0.0	0.0	0.0	0.0	2.6	–	–	0.0	–	0.0
113.0	45.0	–	0.0	0.0	3.0	0.0	0.0	0.0	–	–	–	–	–
113.0	50.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–	–	–	0.0
113.0	55.0	–	6.7	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
113.0	60.0	0.0	3.3	0.0	1.4	0.0	0.0	0.0	–	–	–	–	0.0
113.0	70.0	–	3.1	0.0	3.6	0.0	0.0	0.0	–	–	–	–	0.0

TABLE 4. (cont.)

Stomias atriventer (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	75.0	–	–	–	–	0.0	0.0	2.7	–	–	–	–	–
117.0	35.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	40.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	45.0	–	6.9	0.0	0.0	2.5	0.0	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	–	–	–	–	0.0
117.0	55.0	–	0.0	19.3	0.0	3.2	0.0	5.0	–	–	–	–	–
117.0	60.0	0.0	0.0	15.4	0.0	0.0	0.0	0.0	–	–	–	–	0.0
117.0	70.0	–	0.0	3.2	0.0	0.0	0.0	5.5	–	–	–	–	0.0
120.0	50.0	26.4	7.2	0.0	3.8	0.0	3.0	0.0	–	–	0.0	–	0.0
120.0	55.0	–	0.0	6.1	1.1	0.0	0.0	0.0	–	–	–	–	0.0
120.0	60.0	6.2	2.7	0.0	2.7	–	0.0	2.7	–	–	0.0	–	0.0
120.0	65.0	–	–	–	2.8	–	–	–	–	–	–	–	–
120.0	70.0	16.5	6.1	3.0	0.0	0.0	0.0	0.0	–	–	3.9	–	0.0
120.0	80.0	6.3	2.4	0.0	0.0	0.0	0.0	3.1	–	–	0.0	–	–
120.0	90.0	8.3	0.0	0.0	–	–	–	–	–	–	0.0	–	–
120.0	100.0	0.0	0.0	2.8	–	–	–	–	–	–	–	–	–
123.0	37.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	3.0	–	0.0
123.0	50.0	3.1	3.4	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
123.0	55.0	3.4	0.0	2.7	0.0	0.0	0.0	0.0	–	–	–	–	0.0
123.0	60.0	–	–	10.8	0.0	0.0	0.0	0.0	–	–	0.0	–	–
127.0	34.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	40.0	0.0	2.2	4.7	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	45.0	3.2	15.2	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
127.0	50.0	6.0	8.6	0.0	0.0	0.0	0.0	2.8	–	–	0.0	–	0.0
127.0	55.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
127.0	60.0	–	–	0.0	1.2	2.9	0.0	0.0	–	–	0.0	–	–
130.0	35.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	40.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	50.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	60.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	–	–	0.0	–	–
133.0	50.0	–	–	2.7	0.0	0.0	0.0	0.0	–	–	–	–	–
133.0	60.0	–	–	1.4	–	–	–	–	–	–	–	–	–
137.0	40.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	–	–	–	–	0.0
137.0	60.0	–	–	3.2	–	–	–	–	–	–	–	–	–
150.0	30.0	0.0	0.0	1.9	–	–	–	–	–	–	–	–	0.0
157.0	30.0	0.0	0.0	6.1	–	–	–	–	–	–	–	–	–

Evermannellidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	90.0	0.0	0.0	0.0	–	–	–	–	–	–	2.7	–	–

TABLE 4. (cont.)

Paralepididae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	90.0	-	-	-	-	-	3.3	-	-	-	0.0	-	-
80.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.9	0.0	-
80.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	2.6	-
80.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	0.0	-	0.0
87.0	45.0	-	-	-	-	0.0	0.0	0.0	-	-	2.6	-	-
87.0	55.0	-	-	-	-	2.6	0.0	0.0	-	-	-	-	-
87.0	90.0	-	-	-	3.0	-	0.0	-	-	-	-	-	-
90.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	2.6
90.0	70.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	80.0	-	-	0.0	0.0	0.0	-	4.2	-	-	0.0	-	0.0
90.0	90.0	-	-	3.1	0.0	0.0	-	0.0	-	-	0.0	-	-
93.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	-	-	0.0	-	0.0
97.0	40.0	0.0	0.0	2.2	0.0	-	0.0	0.0	-	-	0.0	-	0.0
97.0	90.0	-	-	-	4.8	-	0.0	0.0	-	-	-	-	-
100.0	80.0	0.0	0.0	6.9	0.0	-	0.0	0.0	-	-	0.0	-	0.0
100.0	85.0	-	-	-	-	-	0.0	3.1	-	-	-	-	-
103.0	40.0	0.0	3.5	0.0	3.0	-	0.0	0.0	-	-	0.0	-	0.0
103.0	45.0	-	-	-	2.6	-	0.0	0.0	-	-	-	-	-
103.0	50.0	14.1	0.0	0.0	1.3	-	0.0	0.0	-	-	-	-	0.0
103.0	55.0	-	-	-	0.0	-	1.3	0.0	-	-	-	-	-
103.0	60.0	0.0	0.0	0.0	0.0	-	3.1	0.0	-	-	-	-	0.0
103.0	65.0	-	-	-	5.5	-	0.0	5.0	-	-	-	-	-
103.0	70.0	-	-	0.0	4.2	-	0.0	3.0	-	-	-	-	-
103.0	75.0	-	-	-	0.0	-	4.2	2.9	-	-	-	-	-
103.0	80.0	-	-	-	0.0	-	1.1	2.8	-	-	-	-	-
103.0	85.0	-	-	-	-	-	1.5	0.0	-	-	-	-	-
107.0	45.0	-	-	-	-	0.0	5.6	0.0	-	-	-	-	-
107.0	50.0	0.0	0.0	3.5	3.2	3.1	0.0	0.0	-	-	-	-	10.9
107.0	55.0	-	-	-	-	2.7	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	0.0	0.0	0.0	2.6	6.4	-	-	-	-	0.0
107.0	70.0	-	-	0.0	2.9	0.0	0.0	3.0	-	-	-	-	-
107.0	75.0	-	-	-	-	0.0	2.6	2.7	-	-	-	-	-
107.0	80.0	-	-	-	0.0	2.9	2.9	0.0	-	-	-	-	-
110.0	35.0	0.0	0.0	0.0	10.0	0.0	2.1	0.0	-	-	0.0	-	0.0
110.0	40.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
110.0	50.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	75.0	-	-	-	-	5.8	0.0	0.0	-	-	-	-	-
110.0	80.0	0.0	0.0	3.0	2.3	0.0	0.0	0.0	-	-	0.0	-	0.0
110.0	90.0	-	-	3.5	3.1	0.0	2.9	0.0	-	-	0.0	-	-
113.0	45.0	-	0.0	0.0	0.0	3.2	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	3.7	0.0	3.2	2.8	0.0	0.0	-	-	-	-	0.0
113.0	60.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	-	-	-	-	0.0
113.0	70.0	-	3.1	0.0	0.0	3.7	0.0	0.0	-	-	-	-	0.0
117.0	40.0	0.0	4.0	0.0	2.6	0.0	0.0	0.0	-	-	0.0	-	0.0
117.0	50.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0	-	-	-	-	0.0
117.0	75.0	-	-	-	-	0.0	0.0	2.4	-	-	-	-	-

TABLE 4. (cont.)

Paralepididae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	45.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	50.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	55.0	–	0.0	3.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
120.0	60.0	0.0	0.0	0.0	0.7	–	0.0	0.0	–	–	0.0	–	0.0
120.0	70.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	80.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	55.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
127.0	40.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	55.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	–	–	–	–	0.0
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	0.0
153.0	16.0	6.4	0.0	0.0	–	–	–	–	–	–	–	–	–

Scopelosaurus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	35.0	–	–	–	–	3.0	0.0	0.0	–	–	–	–	–

Scopelarchidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	–	–	0.0	–	0.0
93.0	35.0	–	–	–	–	0.0	0.0	2.0	–	–	–	–	–
100.0	50.0	3.2	0.0	0.0	0.0	–	0.0	0.0	–	–	–	–	0.0
100.0	60.0	0.0	0.0	3.4	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	0.0	1.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	60.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	–	–	5.5
103.0	70.0	–	–	0.0	1.5	–	0.0	0.0	–	–	–	–	–
103.0	75.0	–	–	–	0.0	–	1.3	2.9	–	–	–	–	–
103.0	80.0	–	–	–	0.0	–	1.1	0.0	–	–	–	–	–
107.0	60.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–	–	–	0.0
107.0	70.0	–	–	0.0	0.0	0.0	0.0	3.0	–	–	–	–	–
107.0	75.0	–	–	–	–	0.0	0.0	2.7	–	–	–	–	–
107.0	85.0	–	–	–	–	0.0	0.0	2.8	–	–	–	–	–
107.0	90.0	–	–	–	–	0.0	2.5	0.0	–	–	–	–	–
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	0.0
110.0	65.0	–	–	–	–	0.0	2.4	0.0	–	–	–	–	–
110.0	80.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	85.0	–	–	–	–	0.0	2.1	0.0	–	–	–	–	–
110.0	90.0	–	–	0.0	3.1	0.0	2.9	2.8	–	–	0.0	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	2.9
120.0	45.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	70.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	100.0	0.0	5.6	0.0	–	–	–	–	–	–	–	–	–
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.2	–	0.0

TABLE 4. (cont.)

Scopelarchidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.4	–	0.0
130.0	60.0	0.0	0.0	0.0	0.0	0.0	2.6	7.9	–	–	0.0	–	–
143.0	35.0	0.0	0.0	0.0	–	–	–	–	–	–	–	–	3.2
153.0	20.0	0.0	2.9	0.0	–	–	–	–	–	–	–	–	–
157.0	30.0	0.0	5.5	0.0	–	–	–	–	–	–	–	–	–
157.0	40.0	–	–	4.2	–	–	–	–	–	–	–	–	–

Myctophidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	80.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	51.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	–	–	0.0	–	0.0
97.0	40.0	0.0	0.0	2.2	0.0	–	0.0	0.0	–	–	0.0	–	0.0
97.0	55.0	–	–	–	–	–	2.5	0.0	–	–	–	–	–
97.0	60.0	–	–	0.0	0.0	–	0.0	2.9	–	–	3.0	–	–
100.0	80.0	0.0	2.9	3.5	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	35.0	0.0	0.0	0.0	0.0	–	1.2	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	0.0	5.1	–	0.0	0.0	–	–	0.0	–	0.0
103.0	45.0	–	–	–	5.2	–	3.0	0.0	–	–	–	–	–
103.0	50.0	0.0	0.0	0.0	1.3	–	0.0	0.0	–	–	–	–	0.0
103.0	75.0	–	–	–	11.3	–	0.0	2.9	–	–	–	–	–
103.0	80.0	–	–	–	1.3	–	0.0	0.0	–	–	–	–	–
103.0	85.0	–	–	–	–	–	1.4	0.0	–	–	–	–	–
107.0	65.0	–	–	–	–	0.0	2.8	0.0	–	–	–	–	–
107.0	70.0	–	–	0.0	0.0	0.0	9.3	0.0	–	–	–	–	–
107.0	80.0	–	–	–	1.2	0.0	0.0	0.0	–	–	–	–	–
107.0	90.0	–	–	–	–	0.0	4.9	0.0	–	–	–	–	–
110.0	45.0	–	–	–	–	0.0	2.2	0.0	–	–	–	–	–
110.0	60.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	–	–	3.0	–	0.0
110.0	70.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	10.5
110.0	85.0	–	–	–	–	0.0	2.1	0.0	–	–	–	–	–
113.0	40.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	45.0	–	0.0	0.0	0.0	0.0	2.4	0.0	–	–	–	–	–
113.0	55.0	–	0.0	3.3	0.0	0.0	0.0	0.0	–	–	–	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.9	–	0.0
117.0	45.0	–	0.0	0.0	0.0	0.0	2.9	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	0.0	3.7	2.2	0.0	0.0	–	–	–	–	0.0
117.0	55.0	–	0.0	0.0	0.0	3.2	0.0	0.0	–	–	–	–	–
120.0	45.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	–	–	2.3	–	0.0
120.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.5	–	0.0
120.0	80.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	90.0	0.0	0.0	3.2	–	–	–	–	–	–	0.0	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.2	–	0.0
127.0	40.0	0.0	2.2	2.3	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	50.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Myctophidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	55.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	–	–	–	–	0.0
127.0	60.0	–	–	2.8	0.0	0.0	0.0	0.0	–	–	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	–	–	0.0	–	0.0
130.0	35.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	–	–	0.0	–	0.0
130.0	50.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	55.0	–	–	–	2.4	–	–	–	–	–	–	–	–
133.0	50.0	–	–	0.0	3.8	0.0	0.0	0.0	–	–	–	–	–
137.0	60.0	–	–	6.4	–	–	–	–	–	–	–	–	–
143.0	35.0	3.2	3.4	0.0	–	–	–	–	–	–	–	–	0.0
150.0	25.0	0.0	0.0	2.4	–	–	–	–	–	–	–	–	2.8
153.0	20.0	0.0	0.0	2.2	–	–	–	–	–	–	–	–	–
157.0	10.0	0.0	3.0	0.0	–	–	–	–	–	–	–	–	–
157.0	30.0	9.5	2.7	0.0	–	–	–	–	–	–	–	–	–

Ceratoscopelus townsendi

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	70.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	–	–	0.0	0.0	–
87.0	90.0	–	–	–	0.0	–	2.9	–	–	–	–	–	–
90.0	60.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	–	–	0.0	–	0.0
90.0	90.0	–	–	0.0	0.0	2.9	–	0.0	–	–	0.0	–	–
93.0	35.0	–	–	–	–	0.0	0.0	2.0	–	–	–	–	–
100.0	90.0	–	–	0.0	0.0	–	12.4	0.0	–	–	–	–	–
103.0	45.0	–	–	–	2.6	–	0.0	0.0	–	–	–	–	–
103.0	55.0	–	–	–	0.0	–	2.6	0.0	–	–	–	–	–
103.0	70.0	–	–	0.0	7.3	–	0.0	0.0	–	–	–	–	–
103.0	75.0	–	–	–	28.2	–	2.6	0.0	–	–	–	–	–
103.0	80.0	–	–	–	8.4	–	0.0	0.0	–	–	–	–	–
107.0	40.0	0.0	0.0	0.0	0.0	–	0.9	0.0	–	–	0.0	–	0.0
107.0	50.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–	–	–	0.0
107.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	2.9
107.0	65.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
107.0	70.0	–	–	0.0	0.0	0.0	4.6	6.0	–	–	–	–	–
107.0	75.0	–	–	–	–	0.0	2.6	11.0	–	–	–	–	–
107.0	80.0	–	–	–	0.0	80.1	0.0	0.0	–	–	–	–	–
107.0	85.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
107.0	90.0	–	–	–	–	0.0	4.9	0.0	–	–	–	–	–
110.0	35.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	–	–	0.0	–	0.0
110.0	55.0	–	–	–	–	10.5	0.0	0.0	–	–	–	–	–
110.0	60.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	–	–	0.0	–	0.0
110.0	70.0	0.0	0.0	0.0	0.0	3.1	0.0	7.9	–	–	0.0	–	0.0
110.0	80.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	–	–	0.0	–	0.0
110.0	85.0	–	–	–	–	0.0	2.1	0.0	–	–	–	–	–
110.0	90.0	–	–	0.0	0.0	0.0	0.0	0.0	–	–	5.4	–	–
113.0	45.0	–	0.0	0.0	0.0	3.2	0.0	0.0	–	–	–	–	–

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	70.0	–	0.0	0.0	0.0	0.0	6.0	0.0	–	–	–	–	0.0
113.0	75.0	–	–	–	–	3.0	0.0	0.0	–	–	–	–	–
113.0	80.0	–	–	–	0.0	35.9	0.0	0.0	–	–	–	–	–
117.0	45.0	–	0.0	0.0	0.0	4.9	0.0	0.0	–	–	–	–	–
117.0	55.0	–	0.0	0.0	0.0	3.2	0.0	0.0	–	–	–	–	–
117.0	60.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	–	–	–	–	0.0
120.0	45.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	–	–	0.0	–	0.0
120.0	50.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	60.0	0.0	2.7	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
120.0	70.0	3.3	0.0	0.0	1.3	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	80.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	90.0	0.0	0.0	0.0	–	–	–	–	–	–	23.9	–	–
120.0	100.0	2.8	11.2	5.6	–	–	–	–	–	–	–	–	–
123.0	50.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	50.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	2.8
130.0	55.0	–	–	–	7.1	–	–	–	–	–	–	–	–
130.0	60.0	0.0	0.0	0.0	4.9	0.0	0.0	2.6	–	–	0.0	–	–
133.0	50.0	–	–	0.0	3.8	0.0	0.0	0.0	–	–	–	–	–
137.0	50.0	–	–	0.0	0.0	2.6	0.0	0.0	–	–	–	–	–
153.0	40.0	–	–	3.2	–	–	–	–	–	–	–	–	–

Diaphus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	65.0	–	–	–	–	0.0	0.0	26.9	–	–	–	–	–
67.0	65.0	–	–	–	–	0.0	0.0	13.0	–	–	–	–	–
70.0	55.0	–	–	–	–	0.0	0.0	23.3	–	–	0.0	–	–
70.0	70.0	–	–	–	–	0.0	12.6	0.0	–	–	0.0	–	–
70.0	80.0	–	–	–	–	–	0.0	8.9	–	–	0.0	–	–
70.0	90.0	–	–	–	–	–	0.0	64.4	–	–	0.0	–	–
73.0	70.0	–	–	–	–	–	0.0	20.8	–	–	–	–	–
73.0	80.0	–	–	–	–	–	0.0	49.9	–	–	–	–	–
73.0	90.0	–	–	–	–	–	6.9	45.7	–	–	–	–	–
77.0	65.0	–	–	–	–	0.0	6.2	0.0	–	–	–	–	–
77.0	80.0	–	–	–	–	0.0	0.0	10.9	–	–	–	–	–
77.0	90.0	–	–	–	–	0.0	2.6	106.8	–	–	–	–	–
80.0	70.0	0.0	0.0	0.0	0.0	0.0	5.9	6.6	–	–	0.0	0.0	–
80.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	65.3	–	–	0.0	–	0.0
83.0	65.0	–	–	–	–	–	0.0	81.1	–	–	–	–	–
83.0	70.0	–	–	–	0.0	–	0.0	60.2	–	–	–	–	–
83.0	90.0	–	–	–	5.2	–	0.0	–	–	–	–	–	–
87.0	65.0	–	–	–	–	–	3.2	0.0	–	–	–	–	–
87.0	70.0	–	–	–	0.0	–	0.0	5.5	–	–	–	–	–
87.0	80.0	–	–	–	0.0	–	6.5	–	–	–	–	–	–

TABLE 4. (cont.)

Diaphus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	90.0	–	–	–	0.0	–	17.3	–	–	–	–	–	–
90.0	55.0	–	–	–	–	0.0	5.6	0.0	–	–	0.0	–	0.0
90.0	60.0	0.0	0.0	0.0	0.0	0.0	6.6	2.8	–	–	0.0	–	0.0
90.0	65.0	–	–	–	–	0.0	0.0	12.0	–	–	–	–	–
90.0	70.0	0.0	0.0	0.0	0.0	0.0	5.5	10.0	–	–	0.0	–	0.0
90.0	75.0	–	–	–	–	6.2	0.0	0.0	–	–	–	–	–
90.0	85.0	–	–	–	–	0.0	–	6.4	–	–	–	–	–
90.0	90.0	–	–	0.0	0.0	8.6	–	0.0	–	–	2.5	–	–
93.0	35.0	–	–	–	–	0.0	0.0	2.0	–	–	–	–	–
93.0	65.0	–	–	–	–	0.0	–	4.2	–	–	–	–	–
93.0	80.0	–	–	–	0.0	0.0	6.1	2.7	–	–	–	–	–
93.0	85.0	–	–	–	–	0.0	–	13.2	–	–	–	–	–
93.0	90.0	–	–	–	0.0	0.0	–	23.8	–	–	–	–	–
97.0	70.0	–	–	0.0	0.0	–	0.0	3.4	–	–	–	–	–
97.0	85.0	–	–	–	–	–	0.0	2.9	–	–	–	–	–
97.0	90.0	–	–	–	0.0	–	3.5	0.0	–	–	–	–	–
100.0	35.0	–	–	–	–	–	1.5	0.0	–	–	–	–	–
100.0	40.0	0.0	0.0	0.0	0.0	–	0.0	2.3	–	–	0.0	–	0.0
100.0	45.0	–	–	–	–	–	0.0	6.3	–	–	–	–	–
100.0	50.0	0.0	0.0	0.0	0.0	–	1.9	2.5	–	–	–	–	0.0
100.0	55.0	–	–	–	–	–	0.0	2.7	–	–	–	–	–
100.0	60.0	0.0	0.0	0.0	0.0	–	3.2	0.0	–	–	0.0	–	0.0
100.0	80.0	0.0	0.0	0.0	0.0	–	0.0	5.8	–	–	0.0	–	0.0
100.0	85.0	–	–	–	–	–	0.0	3.1	–	–	–	–	–
103.0	50.0	0.0	0.0	0.0	0.0	–	0.0	3.2	–	–	–	–	0.0
103.0	55.0	–	–	–	0.0	–	1.3	0.0	–	–	–	–	–
103.0	65.0	–	–	–	0.0	–	3.0	0.0	–	–	–	–	–
103.0	70.0	–	–	0.0	0.0	–	1.4	0.0	–	–	–	–	–
103.0	75.0	–	–	–	0.0	–	1.5	0.0	–	–	–	–	–
103.0	80.0	–	–	–	0.0	–	2.3	0.0	–	–	–	–	–
103.0	85.0	–	–	–	–	–	1.4	2.4	–	–	–	–	–
103.0	90.0	–	–	–	–	–	4.8	6.7	–	–	–	–	–
107.0	55.0	–	–	–	–	0.0	3.8	0.0	–	–	–	–	–
107.0	70.0	–	–	0.0	0.0	0.0	0.0	3.0	–	–	–	–	–
110.0	35.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	–	–	0.0	–	0.0
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.8	–	0.0
110.0	50.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–	0.0	–	–
110.0	55.0	–	–	–	–	0.0	2.4	0.0	–	–	–	–	–
113.0	35.0	0.0	0.0	0.0	0.0	6.7	0.0	3.2	–	–	0.0	–	0.0
113.0	40.0	0.0	0.0	0.0	0.0	9.8	0.0	5.6	–	–	3.1	–	0.0
113.0	45.0	–	0.0	0.0	0.0	0.0	2.4	2.9	–	–	–	–	–
113.0	50.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–	–	–	0.0
117.0	35.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–	0.0	–	0.0
117.0	45.0	–	0.0	0.0	0.0	7.4	0.0	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	–	–	–	–	0.0
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	–	–	0.0	–	0.0

TABLE 4. (cont.)

Diaphus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	35.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	–	–	0.0	–	0.0

Lampadena urophaos

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	70.0	–	–	0.0	0.0	0.0	0.0	3.0	–	–	–	–	–
107.0	75.0	–	–	–	–	0.0	0.0	2.7	–	–	–	–	–
107.0	80.0	–	–	–	1.5	0.0	0.0	0.0	–	–	–	–	–
110.0	70.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	–	–	0.0	–	0.0
110.0	80.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–	0.0	–	0.0
110.0	90.0	–	–	0.0	0.0	0.0	0.0	0.0	–	–	5.4	–	–
117.0	80.0	–	–	–	0.0	0.0	1.8	0.0	–	–	–	–	–
120.0	100.0	2.8	0.0	0.0	–	–	–	–	–	–	–	–	–
123.0	60.0	–	–	0.0	2.7	0.0	0.0	0.0	–	–	0.0	–	–
127.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	–	–	–	–	–

Lampanyctus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	55.0	0.0	96.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
90.0	55.0	–	–	–	–	0.0	0.0	0.0	–	–	0.0	–	2.8
93.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	3.0
103.0	75.0	–	–	–	2.8	–	1.3	0.0	–	–	–	–	–
103.0	90.0	–	–	–	–	–	0.0	6.7	–	–	–	–	–
107.0	65.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
107.0	70.0	–	–	0.0	0.0	6.3	0.0	0.0	–	–	–	–	–
107.0	80.0	–	–	–	0.0	2.9	0.0	0.0	–	–	–	–	–
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	6.2	–	0.0
120.0	75.0	–	–	–	2.5	–	–	–	–	–	–	–	–
120.0	80.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	90.0	2.8	0.0	0.0	–	–	–	–	–	–	0.0	–	–
123.0	50.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
123.0	55.0	6.8	0.0	0.0	6.3	0.0	0.0	0.0	–	–	–	–	0.0
127.0	45.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
127.0	50.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	60.0	–	–	0.0	6.8	0.0	0.0	0.0	–	–	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	–	–	0.0	–	0.0
130.0	40.0	7.9	3.1	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	0.0
130.0	50.0	3.2	0.0	0.0	2.6	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	60.0	3.1	0.0	0.0	10.6	0.0	0.0	0.0	–	–	0.0	–	–
133.0	40.0	0.0	6.1	0.0	0.0	–	0.0	0.0	–	–	–	–	0.0
133.0	50.0	–	–	0.0	3.8	0.0	0.0	0.0	–	–	–	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	–	–	0.0	–	0.0
137.0	40.0	0.0	2.9	5.6	0.0	0.0	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.
137.0	50.0	–	–	11.8	0.0	0.0	0.0	0.0	–	–	–	–	–
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	–	–	2.8
140.0	35.0	0.0	0.0	2.5	–	–	–	–	–	–	–	–	0.0
140.0	40.0	0.0	3.1	2.3	–	–	–	–	–	–	–	–	0.0
143.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	–	–	3.0
143.0	35.0	0.0	3.4	0.0	–	–	–	–	–	–	–	–	0.0
147.0	25.0	0.0	2.7	3.9	–	–	–	–	–	–	–	–	2.8
147.0	30.0	0.0	0.0	3.7	–	–	–	–	–	–	–	–	3.0
147.0	40.0	–	–	1.7	–	–	–	–	–	–	–	–	–
150.0	25.0	0.0	0.0	4.7	–	–	–	–	–	–	–	–	0.0
150.0	30.0	0.0	0.0	7.7	–	–	–	–	–	–	–	–	5.5
150.0	40.0	–	–	4.9	–	–	–	–	–	–	–	–	–
153.0	30.0	–	0.0	8.9	–	–	–	–	–	–	–	–	–
157.0	10.0	3.4	3.0	22.5	–	–	–	–	–	–	–	–	–
157.0	20.0	0.0	0.0	3.0	–	–	–	–	–	–	–	–	–
157.0	30.0	0.0	8.2	3.1	–	–	–	–	–	–	–	–	–
157.0	40.0	–	–	16.7	–	–	–	–	–	–	–	–	–

Lampanyctus regalis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	55.0	–	–	–	–	0.0	0.0	23.3	–	–	0.0	–	–
70.0	90.0	–	–	–	–	–	0.0	2.2	–	–	0.0	–	–
77.0	80.0	–	–	–	–	0.0	2.7	0.0	–	–	–	–	–
83.0	65.0	–	–	–	–	–	5.0	0.0	–	–	–	–	–
87.0	65.0	–	–	–	–	–	3.2	0.0	–	–	–	–	–
90.0	50.0	0.0	–	0.0	0.0	0.0	2.9	0.0	–	–	–	–	–
90.0	60.0	0.0	0.0	0.0	0.0	0.0	13.3	2.8	–	–	0.0	–	0.0
93.0	90.0	–	–	–	0.0	2.8	–	0.0	–	–	–	–	–
100.0	45.0	–	–	–	–	–	0.0	3.2	–	–	–	–	–
100.0	90.0	–	–	0.0	0.0	–	3.1	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	0.0	0.0	–	1.2	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	0.0	0.0	–	1.4	0.0	–	–	0.0	–	0.0
103.0	70.0	–	–	0.0	0.0	–	1.4	0.0	–	–	–	–	–
103.0	75.0	–	–	–	2.8	–	0.0	0.0	–	–	–	–	–
107.0	70.0	–	–	0.0	0.0	0.0	4.6	0.0	–	–	–	–	–
107.0	85.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
110.0	60.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	–	–	0.0	–	0.0
110.0	70.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	–	–	0.0	–	0.0

Lampanyctus ritteri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	65.0	–	–	–	–	0.0	2.8	0.0	–	–	–	–	–

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	52.0	-	-	-	-	0.0	2.6	0.0	-	-	2.9	-	-
70.0	80.0	-	-	-	-	-	6.5	3.0	-	-	0.0	-	-
70.0	90.0	-	-	-	-	-	19.2	2.2	-	-	6.1	-	-
73.0	60.0	-	-	-	-	-	0.0	9.6	-	-	0.0	-	-
73.0	80.0	-	-	-	-	-	22.9	0.0	-	-	-	-	-
73.0	90.0	-	-	-	-	-	0.0	15.2	-	-	-	-	-
77.0	50.0	-	-	-	-	2.4	0.0	0.0	-	-	0.0	-	-
77.0	70.0	-	-	-	-	0.0	3.5	0.0	-	-	-	-	-
77.0	80.0	-	-	-	-	0.0	0.0	10.9	-	-	-	-	-
77.0	90.0	-	-	-	-	0.0	2.6	0.0	-	-	-	-	-
80.0	60.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-	0.0	0.0	-
80.0	70.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	-	-	0.0	0.0	-
80.0	80.0	3.1	0.0	0.0	2.8	0.0	5.2	26.7	-	-	0.0	-	0.0
80.0	90.0	-	-	-	2.7	0.0	0.0	0.0	-	-	0.0	-	0.0
83.0	60.0	0.0	0.0	0.0	0.0	0.0	14.4	0.0	-	-	0.0	-	0.0
83.0	65.0	-	-	-	-	-	10.0	0.0	-	-	-	-	-
83.0	70.0	-	-	-	0.0	-	12.1	6.0	-	-	-	-	-
83.0	75.0	-	-	-	-	-	13.8	-	-	-	-	-	-
83.0	80.0	-	-	-	5.9	-	13.2	-	-	-	-	-	-
87.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.8	-	0.0
87.0	55.0	-	-	-	-	2.6	0.0	0.0	-	-	-	-	-
87.0	65.0	-	-	-	-	-	3.2	0.0	-	-	-	-	-
87.0	70.0	-	-	-	0.0	-	0.0	5.5	-	-	-	-	-
90.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	-	-	0.0	-	0.0
90.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	-	-	0.0	-	0.0
90.0	60.0	5.4	0.0	0.0	0.0	0.0	6.6	0.0	-	-	0.0	-	0.0
90.0	70.0	0.0	3.2	5.8	14.7	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	75.0	-	-	-	-	0.0	0.0	5.2	-	-	-	-	-
90.0	80.0	-	-	0.0	0.0	0.0	-	0.0	-	-	0.0	-	2.9
90.0	90.0	-	-	0.0	0.0	2.9	-	21.2	-	-	0.0	-	-
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	-	-	0.0	-	0.0
93.0	50.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-	-	2.9	-	0.0
93.0	60.0	-	-	0.0	0.0	0.0	2.7	0.0	-	-	2.8	-	-
93.0	70.0	-	-	3.5	0.0	0.0	0.0	0.0	-	-	-	-	-
93.0	75.0	-	-	-	-	3.0	5.5	0.0	-	-	-	-	-
93.0	80.0	-	-	-	0.0	0.0	12.2	0.0	-	-	-	-	-
93.0	90.0	-	-	-	5.7	5.5	-	5.3	-	-	-	-	-
93.0	95.0	-	-	-	-	11.2	-	-	-	-	-	-	-
97.0	32.0	0.0	0.0	0.0	0.0	-	3.2	0.0	-	-	0.0	-	0.0
97.0	40.0	0.0	0.0	4.5	0.0	-	0.0	0.0	-	-	3.1	-	0.0
97.0	50.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	-	3.2
97.0	55.0	-	-	-	-	-	2.5	0.0	-	-	-	-	-
97.0	80.0	-	-	-	2.8	-	8.3	0.0	-	-	-	-	-
100.0	30.0	0.0	0.0	0.0	0.0	-	1.6	0.0	-	-	0.0	-	0.0
100.0	35.0	-	-	-	-	-	1.5	0.0	-	-	-	-	-
100.0	40.0	3.0	0.0	0.0	0.0	-	1.4	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	45.0	–	–	–	–	–	0.0	12.7	–	–	–	–	–
100.0	50.0	0.0	0.0	0.0	9.5	–	0.0	0.0	–	–	–	–	0.0
100.0	60.0	7.0	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	7.3
100.0	70.0	16.7	6.9	0.0	2.9	–	0.0	0.0	–	–	0.0	–	11.7
100.0	75.0	–	–	–	–	–	0.0	2.7	–	–	–	–	–
100.0	80.0	3.5	8.8	13.8	0.0	–	3.0	0.0	–	–	2.2	–	3.0
100.0	90.0	–	–	3.4	0.0	–	3.1	0.0	–	–	–	–	–
103.0	35.0	2.9	0.0	0.0	9.5	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	11.5	6.9	0.0	10.6	–	1.4	0.0	–	–	0.0	–	0.0
103.0	45.0	–	–	–	0.0	–	0.0	6.6	–	–	–	–	–
103.0	50.0	0.0	3.4	13.4	2.7	–	0.0	0.0	–	–	–	–	3.2
103.0	60.0	3.0	0.0	0.0	1.4	–	3.1	0.0	–	–	–	–	0.0
103.0	65.0	–	–	–	16.5	–	3.0	0.0	–	–	–	–	–
103.0	70.0	–	–	7.3	15.5	–	1.4	8.9	–	–	–	–	–
103.0	75.0	–	–	–	50.8	–	1.5	5.8	–	–	–	–	–
103.0	80.0	–	–	–	5.5	–	0.0	2.8	–	–	–	–	–
103.0	85.0	–	–	–	–	–	1.5	7.2	–	–	–	–	–
103.0	90.0	–	–	–	–	–	1.6	0.0	–	–	–	–	–
107.0	32.0	4.0	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
107.0	35.0	0.0	19.7	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
107.0	40.0	9.2	3.3	0.0	4.2	–	1.2	0.0	–	–	0.0	–	0.0
107.0	45.0	–	–	–	–	9.2	0.0	0.0	–	–	–	–	–
107.0	50.0	0.0	0.0	6.9	19.0	3.1	0.0	0.0	–	–	–	–	0.0
107.0	55.0	–	–	–	–	2.7	7.6	0.0	–	–	–	–	–
107.0	60.0	2.9	0.0	19.2	9.6	5.6	0.0	12.8	–	–	–	–	0.0
107.0	65.0	–	–	–	–	0.0	2.8	0.0	–	–	–	–	–
107.0	70.0	–	–	10.6	2.9	0.0	4.6	3.0	–	–	–	–	–
107.0	75.0	–	–	–	–	3.0	2.6	8.2	–	–	–	–	–
107.0	80.0	–	–	–	17.0	8.6	0.0	0.0	–	–	–	–	–
107.0	90.0	–	–	–	–	0.0	2.5	0.0	–	–	–	–	–
110.0	35.0	2.2	0.0	0.0	22.0	0.0	2.1	5.2	–	–	2.8	–	0.0
110.0	40.0	0.0	3.3	0.0	7.4	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	45.0	–	–	–	–	2.9	0.0	0.0	–	–	–	–	–
110.0	50.0	2.8	0.0	5.6	0.0	8.6	0.0	0.0	–	–	0.0	–	–
110.0	55.0	–	–	–	–	10.5	0.0	0.0	–	–	–	–	–
110.0	60.0	0.0	0.0	0.0	3.6	19.0	0.0	0.0	–	–	9.1	–	0.0
110.0	65.0	–	–	–	–	3.1	2.4	0.0	–	–	–	–	–
110.0	70.0	5.4	8.4	16.4	0.0	15.4	2.5	5.3	–	–	2.4	–	5.2
110.0	75.0	–	–	–	–	5.8	0.0	0.0	–	–	–	–	–
110.0	80.0	3.1	0.0	0.0	22.4	0.0	9.1	5.2	–	–	0.0	–	12.0
110.0	85.0	–	–	–	–	9.1	4.2	0.0	–	–	–	–	–
110.0	90.0	–	–	10.4	3.1	2.6	2.9	0.0	–	–	2.7	–	–
113.0	30.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	35.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	40.0	0.0	3.0	0.0	5.3	13.0	0.0	0.0	–	–	0.0	–	0.0
113.0	45.0	–	3.1	9.7	12.2	9.5	0.0	0.0	–	–	–	–	–

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	50.0	0.0	0.0	6.3	6.4	5.7	6.1	0.0	-	-	-	-	0.0
113.0	55.0	-	13.4	3.3	2.9	18.1	2.4	2.6	-	-	-	-	-
113.0	60.0	12.1	13.4	3.5	9.8	3.0	2.9	5.2	-	-	-	-	0.0
113.0	65.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
113.0	70.0	-	3.1	3.9	0.0	3.7	12.0	0.0	-	-	-	-	0.0
113.0	75.0	-	-	-	-	8.9	0.0	8.0	-	-	-	-	-
113.0	80.0	-	-	-	2.8	6.5	3.2	2.7	-	-	-	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	4.8	-	0.0
117.0	40.0	0.0	0.0	0.0	5.3	13.2	0.0	2.5	-	-	0.0	-	0.0
117.0	45.0	-	0.0	0.0	3.1	17.1	0.0	0.0	-	-	-	-	-
117.0	50.0	0.0	0.0	0.0	21.9	13.4	0.0	0.0	-	-	-	-	0.0
117.0	55.0	-	0.0	11.0	0.0	15.9	3.0	9.9	-	-	-	-	-
117.0	60.0	0.0	3.3	0.0	7.0	2.8	0.0	0.0	-	-	-	-	2.7
117.0	65.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
117.0	70.0	-	3.7	0.0	0.0	10.8	0.0	0.0	-	-	-	-	0.0
117.0	75.0	-	-	-	-	5.6	0.0	0.0	-	-	-	-	-
117.0	80.0	-	-	-	4.2	0.0	0.0	0.0	-	-	-	-	-
120.0	45.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	-	-	4.7	-	0.0
120.0	50.0	6.6	0.0	0.0	5.5	0.0	3.0	0.0	-	-	3.5	-	0.0
120.0	55.0	-	0.0	3.0	2.8	0.0	0.0	0.0	-	-	-	-	0.0
120.0	60.0	0.0	8.1	8.7	0.0	-	0.0	2.7	-	-	0.0	-	0.0
120.0	70.0	0.0	0.0	3.0	6.6	0.0	0.0	0.0	-	-	0.0	-	2.5
120.0	80.0	0.0	0.0	9.5	9.7	21.9	0.0	0.0	-	-	0.0	-	-
120.0	90.0	0.0	0.0	15.9	-	-	-	-	-	-	5.3	-	-
120.0	100.0	0.0	2.8	2.8	-	-	-	-	-	-	-	-	-
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	3.5
123.0	45.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	-	-	-	-	-
123.0	50.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	-	-	0.0	-	0.0
123.0	55.0	0.0	2.0	2.7	0.0	0.0	0.0	0.0	-	-	-	-	0.0
123.0	60.0	-	-	8.1	6.6	5.5	0.0	0.0	-	-	0.0	-	-
127.0	40.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
127.0	50.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
127.0	55.0	0.0	2.2	14.1	0.0	11.7	3.0	0.0	-	-	-	-	2.8
127.0	60.0	-	-	16.7	0.0	5.7	0.0	0.0	-	-	0.0	-	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.4	-	2.8
130.0	60.0	0.0	0.0	10.0	0.0	0.0	0.0	2.6	-	-	0.0	-	-
133.0	50.0	-	-	2.7	0.0	3.4	0.0	0.0	-	-	-	-	-
133.0	60.0	-	-	2.8	-	-	-	-	-	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	-	-	0.0	-	0.0
137.0	50.0	-	-	0.0	0.0	10.6	0.0	0.0	-	-	-	-	-
140.0	50.0	-	-	5.8	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Notolychnus valdiviae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	90.0	–	–	0.0	0.0	–	3.1	0.0	–	–	–	–	–

Notoscopelus resplendens

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	90.0	–	–	3.4	0.0	–	9.3	0.0	–	–	–	–	–
103.0	40.0	0.0	0.0	0.0	1.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	50.0	0.0	0.0	0.0	0.0	–	2.6	0.0	–	–	–	–	0.0
103.0	55.0	–	–	–	0.0	–	1.3	0.0	–	–	–	–	–
103.0	60.0	0.0	0.0	0.0	0.0	–	1.5	0.0	–	–	–	–	0.0
103.0	75.0	–	–	–	2.8	–	3.9	0.0	–	–	–	–	–
103.0	80.0	–	–	–	3.4	–	0.0	0.0	–	–	–	–	–
103.0	85.0	–	–	–	–	–	4.7	0.0	–	–	–	–	–
107.0	65.0	–	–	–	–	0.0	0.0	6.2	–	–	–	–	–
107.0	75.0	–	–	–	–	0.0	0.0	2.7	–	–	–	–	–
107.0	80.0	–	–	–	1.5	0.0	0.0	0.0	–	–	–	–	–
107.0	85.0	–	–	–	–	9.3	0.0	0.0	–	–	–	–	–
110.0	35.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.4	–	–
110.0	70.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	–	–	0.0	–	0.0
110.0	80.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	–	–	0.0	–	0.0
110.0	85.0	–	–	–	–	0.0	2.1	0.0	–	–	–	–	–
110.0	90.0	–	–	0.0	0.0	0.0	0.0	0.0	–	–	2.7	–	–
113.0	75.0	–	–	–	–	3.0	0.0	0.0	–	–	–	–	–
117.0	45.0	–	0.0	0.0	0.0	2.5	0.0	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	–	–	–	–	0.0

Stenobrachius leucopsarus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	55.0	–	–	–	–	–	2.5	–	–	–	0.0	–	–
60.0	70.0	–	–	–	–	–	65.6	–	–	–	0.0	–	–
60.0	80.0	–	–	–	–	–	31.5	–	–	–	0.0	–	–
60.0	90.0	–	–	–	–	–	13.1	–	–	–	0.0	–	–
63.0	65.0	–	–	–	–	0.0	10.6	0.0	–	–	–	–	–
67.0	55.0	–	–	–	–	41.0	6.8	0.0	–	–	0.0	–	–
67.0	65.0	–	–	–	–	2.7	2.8	0.0	–	–	–	–	–
70.0	52.0	–	–	–	–	2.7	0.0	0.0	–	–	0.0	–	–
70.0	55.0	–	–	–	–	0.0	0.0	23.3	–	–	0.0	–	–
70.0	60.0	–	–	–	–	11.8	0.0	0.0	–	–	0.0	–	–
70.0	70.0	–	–	–	–	0.0	56.5	9.3	–	–	0.0	–	–
73.0	70.0	–	–	–	–	–	6.0	0.0	–	–	–	–	–
73.0	90.0	–	–	–	–	–	54.9	0.0	–	–	–	–	–
77.0	50.0	–	–	–	–	4.8	3.2	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	55.0	-	-	-	-	5.4	12.8	0.0	-	-	0.0	-	-
77.0	70.0	-	-	-	-	0.0	0.0	6.9	-	-	-	-	-
77.0	80.0	-	-	-	-	31.2	5.3	0.0	-	-	-	-	-
77.0	90.0	-	-	-	-	0.0	2.6	0.0	-	-	-	-	-
80.0	51.0	41.1	-	110.8	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
80.0	55.0	6.2	407.0	52.3	59.0	0.0	3.7	0.0	-	-	0.0	8.6	-
80.0	60.0	16.0	18.0	7.1	385.6	5.6	0.0	0.0	-	-	0.0	0.0	-
80.0	70.0	2.7	13.3	91.4	48.0	21.9	5.9	6.6	-	-	0.0	18.3	-
80.0	80.0	40.7	11.4	28.5	0.0	0.0	5.2	0.0	-	-	0.0	-	0.0
80.0	90.0	-	-	-	8.0	0.0	0.0	0.0	-	-	0.0	-	0.0
83.0	40.0	5.1	27.7	11.3	-	-	0.0	0.0	-	-	0.0	-	1.1
83.0	43.0	157.9	78.2	44.1	59.8	14.6	18.4	0.0	-	-	0.0	-	2.7
83.0	51.0	2.8	24.8	12.1	23.1	5.9	7.3	0.0	-	-	0.0	-	0.0
83.0	55.0	-	-	-	-	-	6.1	28.9	-	-	-	-	-
83.0	60.0	181.5	507.1	133.8	145.4	9.4	14.4	9.2	-	-	0.0	-	2.9
83.0	65.0	-	-	-	-	-	5.0	0.0	-	-	-	-	-
83.0	75.0	-	-	-	-	-	27.7	-	-	-	-	-	-
83.0	80.0	-	-	-	3.0	-	26.5	-	-	-	-	-	-
87.0	35.0	36.2	48.6	142.2	58.8	27.0	23.4	2.6	-	-	0.0	-	0.0
87.0	40.0	39.8	5.9	178.1	101.5	19.1	5.0	0.0	-	-	0.0	-	4.5
87.0	45.0	-	-	-	-	11.8	0.0	0.0	-	-	0.0	-	-
87.0	50.0	75.1	48.4	4.8	274.9	5.2	6.0	0.0	-	-	0.0	-	12.5
87.0	55.0	-	-	-	-	2.6	24.7	0.0	-	-	-	-	-
87.0	60.0	260.4	12.2	-	48.4	12.4	0.0	0.0	-	-	0.0	-	0.0
87.0	65.0	-	-	-	-	-	3.2	0.0	-	-	-	-	-
87.0	70.0	-	-	-	42.4	-	29.7	0.0	-	-	-	-	-
87.0	80.0	-	-	-	3.1	-	6.5	-	-	-	-	-	-
90.0	28.0	0.0	30.2	1.8	-	2.7	0.0	0.0	-	-	0.0	-	14.6
90.0	30.0	18.1	161.7	0.0	81.9	28.9	8.9	0.0	-	-	0.0	-	2.4
90.0	37.0	34.3	175.2	12.6	80.9	15.9	0.0	0.0	-	-	0.0	-	18.1
90.0	45.0	18.7	28.1	11.7	26.1	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	50.0	44.4	-	5.7	18.3	0.0	11.6	0.0	-	-	-	-	-
90.0	55.0	-	-	-	-	77.0	0.0	5.4	-	-	0.0	-	0.0
90.0	60.0	27.2	14.7	75.7	0.0	8.1	0.0	0.0	-	-	0.0	-	5.4
90.0	65.0	-	-	-	-	22.9	0.0	0.0	-	-	-	-	-
90.0	70.0	19.9	22.6	17.5	4.9	15.1	5.5	0.0	-	-	0.0	-	0.0
90.0	80.0	-	-	0.0	31.2	3.0	-	0.0	-	-	0.0	-	0.0
93.0	27.0	6.9	1.8	96.3	29.5	6.5	0.0	0.0	-	-	0.0	-	0.0
93.0	30.0	20.6	5.3	167.0	2.6	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	35.0	-	-	-	-	0.0	0.0	2.0	-	-	-	-	-
93.0	40.0	5.9	28.1	2.7	45.2	5.6	0.0	3.1	-	-	0.0	-	4.5
93.0	45.0	-	-	-	-	21.9	11.6	0.0	-	-	-	-	-
93.0	50.0	65.6	18.4	3.3	9.3	24.6	2.8	0.0	-	-	0.0	-	0.0
93.0	55.0	-	-	-	-	0.0	5.0	5.1	-	-	-	-	-
93.0	60.0	-	-	53.6	5.7	0.0	0.0	0.0	-	-	0.0	-	-
93.0	70.0	-	-	10.4	18.9	0.0	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	75.0	–	–	–	–	0.0	11.0	0.0	–	–	–	–	–
93.0	80.0	–	–	–	11.3	0.0	6.1	0.0	–	–	–	–	–
97.0	30.0	0.0	2.5	0.0	2.5	–	2.5	0.0	–	–	0.0	–	0.0
97.0	32.0	10.4	40.8	12.2	3.1	–	0.0	0.0	–	–	0.0	–	3.1
97.0	35.0	–	–	–	–	–	2.8	0.0	–	–	–	–	–
97.0	40.0	13.7	87.6	6.7	0.0	–	7.3	0.0	–	–	0.0	–	2.9
97.0	50.0	25.8	0.0	0.0	13.7	–	0.0	0.0	–	–	0.0	–	0.0
97.0	55.0	–	–	–	–	–	5.0	0.0	–	–	–	–	–
97.0	60.0	–	–	0.0	6.0	–	0.0	0.0	–	–	0.0	–	–
97.0	80.0	–	–	–	0.0	–	4.2	0.0	–	–	–	–	–
100.0	29.0	5.8	19.5	3.0	10.2	–	0.0	0.0	–	–	0.0	–	0.0
100.0	30.0	5.9	5.6	2.8	2.5	–	0.0	0.0	–	–	0.0	–	2.7
100.0	40.0	3.0	11.6	0.0	0.0	–	2.8	0.0	–	–	0.0	–	9.1
100.0	45.0	–	–	–	–	–	8.9	0.0	–	–	–	–	–
100.0	50.0	0.0	0.0	3.0	0.0	–	0.0	0.0	–	–	–	–	2.3
100.0	55.0	–	–	–	–	–	1.3	0.0	–	–	–	–	–
100.0	60.0	0.0	3.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	70.0	0.0	0.0	2.9	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	80.0	3.5	8.8	27.7	2.8	–	0.0	0.0	–	–	0.0	–	0.0
100.0	90.0	–	–	3.4	0.0	–	0.0	0.0	–	–	–	–	–
103.0	30.0	0.0	0.0	2.2	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	35.0	0.0	0.0	3.3	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	6.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	50.0	0.0	0.0	0.0	1.4	–	0.0	0.0	–	–	–	–	6.3
103.0	55.0	–	–	–	0.0	–	1.6	0.0	–	–	–	–	–
103.0	60.0	0.0	0.0	0.0	2.6	–	0.0	0.0	–	–	–	–	0.0
103.0	75.0	–	–	–	0.0	–	1.5	0.0	–	–	–	–	–
103.0	90.0	–	–	–	–	–	3.2	0.0	–	–	–	–	–
107.0	35.0	0.0	0.0	0.0	5.4	–	0.0	0.0	–	–	0.0	–	0.0
107.0	40.0	0.0	0.0	0.0	4.2	–	0.0	0.0	–	–	0.0	–	0.0
107.0	50.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
110.0	33.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	–	–	0.0	–	4.6
110.0	35.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	–	–	0.0	–	5.1
110.0	60.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	80.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	30.0	0.0	0.0	0.0	23.8	0.0	0.0	0.0	–	–	0.0	–	0.0

Triphoturus mexicanus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	60.0	0.0	0.0	0.0	0.0	0.0	14.4	0.0	–	–	0.0	–	0.0
87.0	35.0	0.0	0.0	0.0	0.0	0.0	5.9	7.9	–	–	0.0	–	0.0
87.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	17.0	–	0.0
87.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	6.3	–	0.0
87.0	65.0	–	–	–	–	–	0.0	11.0	–	–	–	–	–

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	30.0	0.0	0.0	0.0	0.0	0.0	6.0	1.9	–	–	0.0	–	0.0
90.0	60.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	–	–	0.0	–	0.0
90.0	75.0	–	–	–	–	0.0	5.2	0.0	–	–	–	–	–
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	–	–	0.0	–	0.0
93.0	40.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	–	–	0.0	–	0.0
93.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	28.9	–	0.0
93.0	55.0	–	–	–	–	0.0	0.0	5.1	–	–	–	–	–
93.0	60.0	–	–	0.0	0.0	0.0	2.7	0.0	–	–	13.9	–	–
93.0	70.0	–	–	0.0	4.7	0.0	0.0	2.7	–	–	–	–	–
93.0	75.0	–	–	–	–	0.0	16.4	0.0	–	–	–	–	–
93.0	80.0	–	–	–	0.0	0.0	12.2	8.0	–	–	–	–	–
93.0	90.0	–	–	–	0.0	0.0	–	23.8	–	–	–	–	–
97.0	30.0	0.0	0.0	0.0	0.0	–	2.5	1.7	–	–	0.0	–	0.0
97.0	32.0	0.0	0.0	0.0	0.0	–	2.7	2.8	–	–	5.3	–	0.0
97.0	35.0	–	–	–	–	–	17.1	0.0	–	–	–	–	–
97.0	40.0	0.0	0.0	0.0	0.0	–	1.5	0.0	–	–	0.0	–	0.0
97.0	50.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	13.3	–	0.0
97.0	55.0	–	–	–	–	–	8.3	0.0	–	–	–	–	–
97.0	60.0	–	–	0.0	0.0	–	3.8	0.0	–	–	9.0	–	–
97.0	70.0	–	–	0.0	0.0	–	7.0	3.4	–	–	–	–	–
97.0	75.0	–	–	–	–	–	6.1	5.5	–	–	–	–	–
97.0	80.0	–	–	–	8.6	–	0.0	0.0	–	–	–	–	–
97.0	90.0	–	–	–	0.0	–	3.5	0.0	–	–	–	–	–
100.0	30.0	0.0	0.0	0.0	0.0	–	7.8	0.0	–	–	0.0	–	0.0
100.0	35.0	–	–	–	–	–	7.4	0.0	–	–	–	–	–
100.0	40.0	0.0	0.0	0.0	0.0	–	3.4	0.0	–	–	0.0	–	0.0
100.0	45.0	–	–	–	–	–	4.5	38.0	–	–	–	–	–
100.0	50.0	0.0	0.0	0.0	0.0	–	10.5	7.4	–	–	–	–	0.0
100.0	55.0	–	–	–	–	–	6.2	0.0	–	–	–	–	–
100.0	60.0	0.0	0.0	0.0	0.0	–	9.5	0.0	–	–	0.0	–	4.9
100.0	65.0	–	–	–	–	–	11.9	6.0	–	–	–	–	–
100.0	70.0	0.0	0.0	0.0	5.7	–	29.8	2.9	–	–	9.3	–	0.0
100.0	75.0	–	–	–	–	–	5.7	5.3	–	–	–	–	–
100.0	80.0	0.0	0.0	0.0	5.5	–	0.0	5.8	–	–	8.6	–	0.0
100.0	85.0	–	–	–	–	–	0.0	9.2	–	–	–	–	–
100.0	90.0	–	–	0.0	0.0	–	0.0	12.1	–	–	–	–	–
103.0	30.0	0.0	0.0	0.0	0.0	–	0.0	4.6	–	–	0.0	–	0.0
103.0	35.0	0.0	0.0	0.0	14.9	–	4.6	2.9	–	–	2.8	–	6.0
103.0	40.0	0.0	0.0	0.0	16.4	–	5.9	5.3	–	–	3.3	–	0.0
103.0	45.0	–	–	–	20.8	–	3.0	13.3	–	–	–	–	–
103.0	50.0	0.0	0.0	13.4	0.0	–	7.7	3.2	–	–	–	–	0.0
103.0	55.0	–	–	–	0.0	–	21.5	0.0	–	–	–	–	–
103.0	60.0	0.0	0.0	0.0	4.2	–	20.6	11.2	–	–	–	–	0.0
103.0	65.0	–	–	–	44.0	–	6.3	15.1	–	–	–	–	–
103.0	70.0	–	–	0.0	10.0	–	11.5	32.6	–	–	–	–	–
103.0	75.0	–	–	–	42.3	–	1.3	40.7	–	–	–	–	–

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	80.0	-	-	-	4.2	-	0.0	42.3	-	-	-	-	-
103.0	85.0	-	-	-	-	-	0.0	21.7	-	-	-	-	-
103.0	90.0	-	-	-	-	-	3.2	0.0	-	-	-	-	-
107.0	35.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	5.8	-	6.2
107.0	40.0	0.0	0.0	0.0	0.0	-	22.6	0.0	-	-	0.0	-	0.0
107.0	45.0	-	-	-	-	42.8	16.9	10.1	-	-	-	-	-
107.0	50.0	0.0	0.0	3.5	25.4	27.8	35.2	0.0	-	-	-	-	0.0
107.0	55.0	-	-	-	-	54.2	7.6	6.5	-	-	-	-	-
107.0	60.0	0.0	0.0	12.8	2.4	19.5	10.6	82.9	-	-	-	-	0.0
107.0	65.0	-	-	-	-	6.2	5.6	6.2	-	-	-	-	-
107.0	70.0	-	-	5.3	5.8	25.2	13.9	172.8	-	-	-	-	-
107.0	75.0	-	-	-	-	63.6	23.3	84.9	-	-	-	-	-
107.0	80.0	-	-	-	58.3	51.5	8.7	128.3	-	-	-	-	-
107.0	85.0	-	-	-	-	3.1	12.6	14.3	-	-	-	-	-
107.0	90.0	-	-	-	-	24.0	66.4	5.2	-	-	-	-	-
110.0	33.0	0.0	0.0	0.0	0.0	5.6	7.7	26.4	-	-	3.8	-	0.0
110.0	35.0	0.0	0.0	0.0	38.0	6.1	39.9	10.5	-	-	5.5	-	0.0
110.0	40.0	0.0	0.0	0.0	3.7	0.0	24.7	17.3	-	-	0.0	-	3.7
110.0	45.0	-	-	-	-	11.8	21.6	3.2	-	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	105.8	2.6	44.9	-	-	7.3	-	-
110.0	55.0	-	-	-	-	280.3	9.6	8.3	-	-	-	-	-
110.0	60.0	0.0	0.0	13.5	13.7	149.0	50.6	16.0	-	-	39.6	-	0.0
110.0	65.0	-	-	-	-	30.8	75.3	15.3	-	-	-	-	-
110.0	70.0	0.0	0.0	0.0	5.3	58.5	37.7	92.1	-	-	16.6	-	0.0
110.0	75.0	-	-	-	-	26.2	15.0	131.1	-	-	-	-	-
110.0	80.0	0.0	0.0	0.0	16.4	10.9	57.6	239.2	-	-	5.8	-	0.0
110.0	85.0	-	-	-	-	15.3	54.9	54.3	-	-	-	-	-
110.0	90.0	-	-	10.4	18.4	23.7	28.8	22.6	-	-	5.4	-	-
113.0	35.0	0.0	0.0	0.0	0.0	16.6	78.8	16.1	-	-	7.4	-	2.1
113.0	40.0	0.0	0.0	0.0	10.6	48.9	86.0	5.6	-	-	24.9	-	0.0
113.0	45.0	-	0.0	0.0	42.6	0.0	33.6	42.9	-	-	-	-	-
113.0	50.0	0.0	0.0	6.3	9.6	17.0	15.3	65.6	-	-	-	-	0.0
113.0	55.0	-	0.0	9.8	14.4	132.9	4.8	43.5	-	-	-	-	-
113.0	60.0	0.0	0.0	0.0	9.7	18.1	14.6	103.2	-	-	-	-	5.3
113.0	65.0	-	-	-	-	24.9	15.6	64.8	-	-	-	-	-
113.0	70.0	-	0.0	7.8	0.0	51.9	54.2	96.3	-	-	-	-	8.6
113.0	75.0	-	-	-	-	126.8	11.4	114.0	-	-	-	-	-
113.0	80.0	-	-	-	91.1	32.6	54.7	138.8	-	-	-	-	-
117.0	26.0	0.0	0.0	3.3	0.0	0.0	1.6	8.8	-	-	2.9	-	0.0
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	14.4	-	0.0
117.0	35.0	0.0	0.0	0.0	0.0	5.4	5.4	0.0	-	-	94.6	-	0.0
117.0	40.0	0.0	0.0	0.0	2.6	46.1	18.6	46.5	-	-	26.2	-	0.0
117.0	45.0	-	3.5	0.0	3.1	68.6	34.8	33.9	-	-	-	-	-
117.0	50.0	0.0	0.0	3.1	0.0	91.4	58.0	99.1	-	-	-	-	0.0
117.0	55.0	-	0.0	13.8	0.0	149.5	129.0	476.2	-	-	-	-	-
117.0	60.0	0.0	0.0	0.0	29.3	99.0	103.8	278.0	-	-	-	-	0.0

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	65.0	-	-	-	-	15.4	5.5	108.4	-	-	-	-	-
117.0	70.0	-	0.0	3.2	17.5	10.8	0.0	35.9	-	-	-	-	0.0
117.0	75.0	-	-	-	-	42.0	23.8	95.2	-	-	-	-	-
117.0	80.0	-	-	-	14.8	106.2	17.7	36.0	-	-	-	-	-
120.0	27.0	-	-	-	-	0.0	0.0	-	-	-	4.8	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	14.1	-	0.0
120.0	35.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	-	-	2.1	-	0.0
120.0	40.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	-	-	-	-	0.0
120.0	45.0	0.0	6.7	0.0	0.0	0.0	84.0	0.0	-	-	9.4	-	0.0
120.0	50.0	6.6	21.6	8.3	15.8	0.0	26.9	3.0	-	-	24.4	-	0.0
120.0	55.0	-	0.0	9.1	32.7	11.3	12.4	0.0	-	-	-	-	0.0
120.0	60.0	0.0	5.4	0.0	22.3	-	0.0	180.8	-	-	10.9	-	5.4
120.0	65.0	-	-	-	31.1	-	-	-	-	-	-	-	-
120.0	70.0	3.3	0.0	20.9	15.9	12.9	0.0	84.5	-	-	41.4	-	0.0
120.0	75.0	-	-	-	24.9	-	-	-	-	-	-	-	-
120.0	80.0	0.0	0.0	12.6	3.4	71.2	5.4	74.4	-	-	68.0	-	-
120.0	90.0	0.0	0.0	28.6	-	-	-	-	-	-	13.3	-	-
120.0	100.0	0.0	0.0	8.5	-	-	-	-	-	-	-	-	-
123.0	37.0	0.0	5.0	0.0	0.0	-	0.0	0.0	-	-	15.0	-	0.0
123.0	40.0	0.0	6.8	10.2	0.0	0.0	0.0	12.6	-	-	124.3	-	0.0
123.0	45.0	0.0	0.0	8.8	10.8	138.6	0.0	8.9	-	-	-	-	-
123.0	50.0	3.1	3.4	5.3	33.8	62.8	0.0	118.8	-	-	17.7	-	0.0
123.0	55.0	0.0	4.0	24.1	25.4	37.4	11.5	28.3	-	-	-	-	0.0
123.0	60.0	-	-	5.4	15.7	43.8	14.2	138.0	-	-	10.1	-	-
127.0	34.0	0.0	0.0	2.6	0.0	0.0	4.9	0.0	-	-	93.7	-	0.0
127.0	40.0	0.0	0.0	16.4	12.9	7.3	0.0	10.9	-	-	45.4	-	2.7
127.0	45.0	0.0	0.0	2.7	5.7	0.0	9.8	22.1	-	-	-	-	-
127.0	50.0	0.0	5.7	0.0	2.7	6.2	10.8	5.6	-	-	13.9	-	0.0
127.0	55.0	0.0	0.0	28.2	0.0	82.0	41.6	19.4	-	-	-	-	0.0
127.0	60.0	-	-	19.5	8.0	31.5	4.6	20.0	-	-	36.7	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	26.8	0.0	-	-	0.0	-	0.0
130.0	35.0	2.8	0.0	11.5	0.0	9.8	49.1	0.0	-	-	38.2	-	2.9
130.0	40.0	7.9	9.4	2.8	12.8	12.4	46.2	25.7	-	-	15.3	-	0.0
130.0	50.0	0.0	2.7	5.3	15.2	26.6	0.0	13.8	-	-	23.9	-	0.0
130.0	55.0	-	-	-	26.0	-	-	-	-	-	-	-	-
130.0	60.0	0.0	0.0	26.6	34.6	3.3	15.8	23.7	-	-	14.8	-	-
133.0	30.0	0.0	0.0	15.5	0.0	0.0	0.0	0.0	-	-	5.2	-	6.6
133.0	40.0	0.0	0.0	22.7	20.2	-	6.6	30.7	-	-	-	-	11.3
133.0	50.0	-	-	5.5	15.0	53.8	15.5	11.0	-	-	-	-	-
133.0	60.0	-	-	2.8	-	-	-	-	-	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	2.9
137.0	30.0	0.0	0.0	2.2	0.0	0.0	24.2	0.0	-	-	0.0	-	0.0
137.0	40.0	0.0	2.9	16.7	9.2	62.8	31.3	8.9	-	-	-	-	20.6
137.0	50.0	-	-	23.6	29.2	55.4	12.7	16.4	-	-	-	-	-
140.0	35.0	0.0	0.0	2.5	-	-	-	-	-	-	-	-	0.0
140.0	40.0	0.0	0.0	4.6	-	-	-	-	-	-	-	-	0.0

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
140.0	50.0	–	–	29.2	–	–	–	–	–	–	–	–	–
143.0	26.0	0.0	2.5	0.0	–	–	–	–	–	–	–	–	0.0
143.0	40.0	–	–	2.4	–	–	–	–	–	–	–	–	–
143.0	50.0	–	–	2.2	–	–	–	–	–	–	–	–	–
147.0	25.0	0.0	5.5	5.8	–	–	–	–	–	–	–	–	0.0
150.0	19.0	0.0	0.0	9.6	–	–	–	–	–	–	–	–	0.0
150.0	25.0	0.0	0.0	9.4	–	–	–	–	–	–	–	–	0.0
150.0	30.0	0.0	0.0	15.4	–	–	–	–	–	–	–	–	5.5
153.0	30.0	–	2.4	2.2	–	–	–	–	–	–	–	–	–
153.0	40.0	–	–	9.7	–	–	–	–	–	–	–	–	–

Diogenichthys spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	32.0	0.0	0.0	0.0	0.0	–	1.6	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	0.0	0.0	–	1.4	0.0	–	–	0.0	–	0.0
107.0	55.0	–	–	–	–	0.0	3.8	0.0	–	–	–	–	–
107.0	80.0	–	–	–	1.2	0.0	0.0	0.0	–	–	–	–	–
113.0	45.0	–	0.0	0.0	0.0	0.0	2.4	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	–	–	–	–	0.0

Diogenichthys atlanticus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	70.0	–	–	–	–	0.0	6.3	0.0	–	–	0.0	–	–
73.0	90.0	–	–	–	–	–	3.4	0.0	–	–	–	–	–
77.0	70.0	–	–	–	–	0.0	3.5	0.0	–	–	–	–	–
80.0	80.0	9.4	0.0	0.0	2.8	0.0	0.0	5.9	–	–	0.0	–	0.0
87.0	90.0	–	–	–	0.0	–	2.9	–	–	–	–	–	–
90.0	60.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	70.0	2.8	0.0	0.0	0.0	3.0	0.0	0.0	–	–	0.0	–	0.0
93.0	40.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.9	–	0.0
93.0	90.0	–	–	–	0.0	0.0	–	2.6	–	–	–	–	–
100.0	70.0	0.0	13.8	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	80.0	0.0	2.9	38.1	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	90.0	–	–	6.8	0.0	–	15.5	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	0.0	1.2	–	0.0	0.0	–	–	0.0	–	6.0
103.0	40.0	0.0	0.0	0.0	5.1	–	0.0	0.0	–	–	0.0	–	0.0
103.0	45.0	–	–	–	7.8	–	0.0	0.0	–	–	–	–	–
103.0	50.0	14.1	0.0	0.0	2.6	–	0.0	0.0	–	–	–	–	0.0
103.0	60.0	0.0	0.0	0.0	2.8	–	1.5	0.0	–	–	–	–	0.0
103.0	65.0	–	–	–	22.0	–	0.0	0.0	–	–	–	–	–
103.0	70.0	–	–	0.0	32.6	–	0.0	0.0	–	–	–	–	–

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	75.0	–	–	–	36.7	–	1.3	0.0	–	–	–	–	–
103.0	80.0	–	–	–	13.9	–	0.0	0.0	–	–	–	–	–
103.0	90.0	–	–	–	–	–	3.2	0.0	–	–	–	–	–
107.0	40.0	3.1	0.0	0.0	0.0	–	3.7	0.0	–	–	0.0	–	0.0
107.0	50.0	0.0	6.6	10.4	9.5	0.0	0.0	0.0	–	–	–	–	0.0
107.0	55.0	–	–	–	–	5.4	3.8	0.0	–	–	–	–	–
107.0	60.0	0.0	3.0	9.6	7.2	0.0	2.6	12.8	–	–	–	–	0.0
107.0	65.0	–	–	–	–	0.0	5.6	0.0	–	–	–	–	–
107.0	70.0	–	–	23.9	0.0	0.0	0.0	0.0	–	–	–	–	–
107.0	80.0	–	–	–	0.0	14.3	0.0	0.0	–	–	–	–	–
107.0	85.0	–	–	–	–	6.2	0.0	0.0	–	–	–	–	–
107.0	90.0	–	–	–	–	0.0	2.5	0.0	–	–	–	–	–
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.8	–	0.0
110.0	50.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	–	–	2.4	–	–
110.0	60.0	0.0	0.0	0.0	1.8	9.5	0.0	0.0	–	–	3.0	–	0.0
110.0	70.0	8.1	5.6	0.0	0.0	12.3	0.0	0.0	–	–	0.0	–	21.0
110.0	80.0	3.1	6.7	5.9	4.7	0.0	3.0	5.2	–	–	0.0	–	0.0
110.0	90.0	–	–	6.9	9.2	0.0	0.0	0.0	–	–	0.0	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	9.7	–	0.0
113.0	40.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–	0.0	–	0.0
113.0	45.0	–	0.0	0.0	0.0	0.0	4.8	0.0	–	–	–	–	–
113.0	50.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–	–	–	0.0
113.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	2.9
113.0	75.0	–	–	–	–	5.9	0.0	0.0	–	–	–	–	–
113.0	80.0	–	–	–	2.8	0.0	0.0	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	0.0	11.0	13.4	0.0	0.0	–	–	–	–	0.0
117.0	60.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	–	–	–	–	0.0
120.0	55.0	–	3.7	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
120.0	65.0	–	–	–	2.8	–	–	–	–	–	–	–	–
120.0	70.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	–	–	3.9	–	0.0
120.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.0	–	–
120.0	90.0	0.0	0.0	0.0	–	–	–	–	–	–	10.6	–	–
123.0	45.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	–	–	–	–	–
123.0	50.0	0.0	3.4	0.0	0.0	0.0	0.0	3.0	–	–	0.0	–	0.0

Diogenichthys laternatus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	70.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–	0.0	–	0.0
100.0	70.0	0.0	0.0	0.0	2.9	–	0.0	0.0	–	–	0.0	–	5.9
107.0	40.0	0.0	0.0	0.0	4.2	–	0.0	0.0	–	–	0.0	–	0.0
107.0	60.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–	–	–	2.9
107.0	65.0	–	–	–	–	0.0	2.8	0.0	–	–	–	–	–
107.0	70.0	–	–	0.0	0.0	0.0	0.0	8.9	–	–	–	–	–
107.0	75.0	–	–	–	–	3.0	2.6	0.0	–	–	–	–	–

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	90.0	–	–	–	–	3.0	0.0	0.0	–	–	–	–	–
110.0	60.0	0.0	0.0	3.4	1.8	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	65.0	–	–	–	–	6.2	0.0	0.0	–	–	–	–	–
110.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–	0.0	–	0.0
110.0	75.0	–	–	–	–	0.0	0.0	8.4	–	–	–	–	–
110.0	80.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	–	–	0.0	–	6.0
110.0	85.0	–	–	–	–	3.0	4.2	0.0	–	–	–	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	9.7	–	0.0
113.0	40.0	2.7	0.0	0.0	0.0	0.0	3.1	0.0	–	–	0.0	–	0.0
113.0	50.0	0.0	0.0	0.0	0.0	2.8	0.0	6.6	–	–	–	–	0.0
113.0	60.0	3.0	3.3	0.0	0.0	0.0	0.0	2.6	–	–	–	–	2.6
113.0	70.0	–	3.1	3.9	0.0	3.7	6.0	6.0	–	–	–	–	2.9
113.0	80.0	–	–	–	0.0	13.0	0.0	0.0	–	–	–	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.9	–	0.0
117.0	30.0	2.9	0.0	0.0	0.0	12.6	0.0	0.0	–	–	0.0	–	0.0
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	6.8	–	0.0
117.0	40.0	3.0	4.0	0.0	0.0	0.0	5.3	0.0	–	–	0.0	–	3.0
117.0	45.0	–	6.9	0.0	0.0	4.9	2.9	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	3.1	0.0	0.0	4.6	0.0	–	–	–	–	0.0
117.0	55.0	–	6.8	0.0	0.0	0.0	3.0	0.0	–	–	–	–	–
117.0	60.0	0.0	0.0	3.8	1.5	8.5	0.0	0.0	–	–	–	–	2.7
117.0	75.0	–	–	–	–	2.8	0.0	2.4	–	–	–	–	–
117.0	80.0	–	–	–	31.8	2.6	1.8	0.0	–	–	–	–	–
120.0	27.0	–	–	–	–	0.0	0.0	–	–	–	2.4	–	–
120.0	45.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	–	–	2.3	–	2.9
120.0	50.0	72.6	0.0	0.0	1.9	0.0	9.0	0.0	–	–	0.0	–	0.0
120.0	55.0	–	0.0	0.0	0.0	0.0	9.3	0.0	–	–	–	–	2.7
120.0	60.0	0.0	0.0	0.0	1.4	–	0.0	0.0	–	–	0.0	–	2.7
120.0	65.0	–	–	–	2.8	–	–	–	–	–	–	–	–
120.0	70.0	0.0	73.7	47.7	9.2	0.0	0.0	0.0	–	–	0.0	–	5.0
120.0	75.0	–	–	–	34.9	–	–	–	–	–	–	–	–
120.0	80.0	6.3	0.0	25.3	26.6	0.0	5.4	0.0	–	–	7.6	–	–
120.0	90.0	2.8	0.0	0.0	–	–	–	–	–	–	8.0	–	–
120.0	100.0	5.7	2.8	5.6	–	–	–	–	–	–	–	–	–
123.0	37.0	0.0	6.7	4.0	2.6	–	0.0	0.0	–	–	3.0	–	0.0
123.0	40.0	3.1	20.3	10.2	0.0	4.9	0.0	6.3	–	–	111.0	–	3.5
123.0	45.0	9.6	6.4	2.9	2.7	38.2	0.0	0.0	–	–	–	–	–
123.0	50.0	3.1	10.2	0.0	4.1	94.2	0.0	0.0	–	–	17.7	–	3.0
123.0	55.0	27.3	2.0	10.7	12.7	106.1	11.5	5.1	–	–	–	–	0.0
123.0	60.0	–	–	5.4	22.0	0.0	0.0	11.0	–	–	0.0	–	–
127.0	34.0	5.2	25.6	0.0	0.0	0.0	0.0	0.0	–	–	45.8	–	0.0
127.0	40.0	0.0	11.1	25.8	0.0	0.0	0.0	2.7	–	–	62.5	–	2.7
127.0	45.0	38.9	20.3	5.5	5.7	0.0	0.0	0.0	–	–	–	–	–
127.0	50.0	3.0	11.4	57.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	55.0	15.8	28.6	28.2	10.1	26.4	14.9	0.0	–	–	–	–	8.4
127.0	60.0	–	–	33.5	26.5	62.9	2.3	0.0	–	–	20.0	–	–

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	30.0	0.0	5.9	0.0	0.0	0.0	7.0	0.0	–	–	0.0	–	0.0
130.0	35.0	25.1	0.0	43.0	0.0	0.0	9.4	0.0	–	–	12.7	–	0.0
130.0	40.0	10.6	6.3	42.0	12.8	0.0	23.1	0.0	–	–	91.5	–	0.0
130.0	50.0	16.1	2.7	42.6	7.7	13.3	5.9	5.5	–	–	62.1	–	0.0
130.0	55.0	–	–	–	44.8	–	–	–	–	–	–	–	–
130.0	60.0	3.1	12.9	139.4	39.5	26.6	34.3	57.9	–	–	36.9	–	–
133.0	30.0	5.2	0.0	72.5	11.5	0.0	0.0	0.0	–	–	5.2	–	3.3
133.0	40.0	0.0	18.4	148.7	78.0	–	3.3	0.0	–	–	–	–	5.7
133.0	50.0	–	–	21.8	60.2	30.2	6.2	2.7	–	–	–	–	–
133.0	60.0	–	–	16.9	–	–	–	–	–	–	–	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.4	–	0.0
137.0	30.0	3.0	5.9	4.4	1.9	2.8	24.2	5.3	–	–	14.7	–	3.2
137.0	40.0	5.5	2.9	13.9	3.1	14.9	0.0	8.9	–	–	–	–	23.5
137.0	50.0	–	–	67.8	21.2	134.6	14.6	38.2	–	–	–	–	–
137.0	60.0	–	–	22.5	–	–	–	–	–	–	–	–	–
140.0	30.0	0.0	0.0	9.5	–	–	–	–	–	–	–	–	0.0
140.0	35.0	0.0	39.1	22.9	–	–	–	–	–	–	–	–	0.0
140.0	40.0	0.0	3.1	34.2	–	–	–	–	–	–	–	–	27.3
140.0	50.0	–	–	58.4	–	–	–	–	–	–	–	–	–
143.0	30.0	3.0	0.0	21.6	–	–	–	–	–	–	–	–	3.0
143.0	35.0	3.2	0.0	6.0	–	–	–	–	–	–	–	–	6.4
143.0	50.0	–	–	2.2	–	–	–	–	–	–	–	–	–
147.0	20.0	0.0	8.3	2.5	–	–	–	–	–	–	–	–	2.6
147.0	25.0	0.0	2.7	5.8	–	–	–	–	–	–	–	–	24.9
147.0	30.0	0.0	0.0	5.6	–	–	–	–	–	–	–	–	8.9
147.0	40.0	–	–	1.7	–	–	–	–	–	–	–	–	–
150.0	19.0	0.0	11.9	3.2	–	–	–	–	–	–	–	–	0.0
150.0	25.0	0.0	0.0	2.4	–	–	–	–	–	–	–	–	2.8
150.0	30.0	0.0	0.0	5.8	–	–	–	–	–	–	–	–	5.5
150.0	40.0	–	–	7.4	–	–	–	–	–	–	–	–	–
153.0	16.0	51.5	93.4	0.0	–	–	–	–	–	–	–	–	–
153.0	20.0	18.4	49.6	0.0	–	–	–	–	–	–	–	–	–
153.0	30.0	–	0.0	8.9	–	–	–	–	–	–	–	–	–
153.0	40.0	–	–	6.5	–	–	–	–	–	–	–	–	–
157.0	10.0	13.4	44.4	83.7	–	–	–	–	–	–	–	–	–
157.0	20.0	8.5	11.2	15.0	–	–	–	–	–	–	–	–	–
157.0	30.0	3.2	147.4	9.2	–	–	–	–	–	–	–	–	–
157.0	40.0	–	–	23.0	–	–	–	–	–	–	–	–	–

Electrona rissoi

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	45.0	–	–	–	2.6	–	0.0	0.0	–	–	–	–	–

TABLE 4. (cont.)

Gonichthys tenuiculus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	90.0	–	–	–	–	–	1.6	0.0	–	–	–	–	–
107.0	80.0	–	–	–	1.2	0.0	0.0	0.0	–	–	–	–	–
113.0	70.0	–	0.0	3.9	0.0	0.0	0.0	0.0	–	–	–	–	0.0
113.0	80.0	–	–	–	2.8	0.0	0.0	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	–	–	–	–	0.0
117.0	55.0	–	0.0	0.0	0.0	3.2	0.0	0.0	–	–	–	–	–
117.0	80.0	–	–	–	2.1	0.0	0.0	0.0	–	–	–	–	–
120.0	70.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	75.0	–	–	–	2.5	–	–	–	–	–	–	–	–
120.0	80.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	–	–	0.0	–	–
120.0	90.0	0.0	0.0	0.0	–	–	–	–	–	–	2.7	–	–
123.0	45.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
123.0	50.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–	0.0	–	0.0
123.0	55.0	3.4	0.0	0.0	0.0	3.1	0.0	0.0	–	–	–	–	0.0
123.0	60.0	–	–	0.0	1.3	0.0	0.0	0.0	–	–	0.0	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.2	–	0.0
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.7	–	0.0
127.0	55.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	–	–	–	–	0.0
127.0	60.0	–	–	0.0	0.0	2.9	0.0	0.0	–	–	0.0	–	–
130.0	35.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	6.1	–	0.0
130.0	50.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	60.0	0.0	0.0	3.3	1.2	0.0	0.0	0.0	–	–	0.0	–	–
137.0	40.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	–	–	–	–	0.0
137.0	50.0	–	–	8.9	0.0	0.0	0.0	0.0	–	–	–	–	–
140.0	40.0	0.0	3.1	0.0	–	–	–	–	–	–	–	–	0.0
143.0	35.0	0.0	0.0	3.0	–	–	–	–	–	–	–	–	0.0
143.0	40.0	–	–	2.4	–	–	–	–	–	–	–	–	–
147.0	25.0	0.0	0.0	7.8	–	–	–	–	–	–	–	–	0.0
150.0	30.0	0.0	0.0	1.9	–	–	–	–	–	–	–	–	0.0
150.0	40.0	–	–	4.9	–	–	–	–	–	–	–	–	–
153.0	30.0	–	2.4	0.0	–	–	–	–	–	–	–	–	–
153.0	40.0	–	–	9.7	–	–	–	–	–	–	–	–	–
157.0	40.0	–	–	2.1	–	–	–	–	–	–	–	–	–

Hygophum spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	70.0	–	–	0.0	0.0	0.0	0.0	3.0	–	–	–	–	–
113.0	55.0	–	0.0	0.0	0.0	0.0	0.0	2.6	–	–	–	–	–
120.0	75.0	–	–	–	5.0	–	–	–	–	–	–	–	–
127.0	60.0	–	–	0.0	0.0	2.9	0.0	0.0	–	–	0.0	–	–
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.4	–	0.0
130.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	17.2	–	–

TABLE 4. (cont.)

Hygophum atratum

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	70.0	–	–	0.0	2.9	–	0.0	0.0	–	–	–	–	–
107.0	50.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
110.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–	0.0	–	0.0
120.0	50.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	60.0	0.0	2.7	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
120.0	80.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	–	–	0.0	–	–
123.0	40.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
123.0	55.0	0.0	0.0	2.7	0.0	6.2	0.0	0.0	–	–	–	–	0.0
123.0	60.0	–	–	0.0	1.3	0.0	0.0	0.0	–	–	0.0	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	–	–	0.0	–	0.0
127.0	50.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	55.0	0.0	13.2	0.0	0.0	2.9	0.0	0.0	–	–	–	–	0.0
127.0	60.0	–	–	2.8	1.2	0.0	0.0	0.0	–	–	0.0	–	–
130.0	40.0	2.6	6.3	2.8	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	50.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	60.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	40.0	0.0	0.0	2.5	0.0	–	0.0	0.0	–	–	–	–	0.0
133.0	50.0	–	–	2.7	0.0	0.0	3.1	0.0	–	–	–	–	–
137.0	40.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	–	–	–	–	0.0
137.0	50.0	–	–	5.9	0.0	0.0	0.0	0.0	–	–	–	–	–
140.0	35.0	0.0	5.6	0.0	–	–	–	–	–	–	–	–	0.0
140.0	40.0	0.0	0.0	4.6	–	–	–	–	–	–	–	–	0.0
147.0	20.0	0.0	2.8	0.0	–	–	–	–	–	–	–	–	0.0
147.0	25.0	0.0	0.0	3.9	–	–	–	–	–	–	–	–	0.0
150.0	25.0	0.0	0.0	7.1	–	–	–	–	–	–	–	–	5.5
150.0	30.0	0.0	0.0	9.6	–	–	–	–	–	–	–	–	2.7
150.0	40.0	–	–	14.8	–	–	–	–	–	–	–	–	–
153.0	20.0	0.0	5.8	0.0	–	–	–	–	–	–	–	–	–
153.0	30.0	–	0.0	11.1	–	–	–	–	–	–	–	–	–
153.0	40.0	–	–	12.9	–	–	–	–	–	–	–	–	–
157.0	10.0	0.0	79.9	9.7	–	–	–	–	–	–	–	–	–
157.0	20.0	0.0	5.6	0.0	–	–	–	–	–	–	–	–	–
157.0	30.0	0.0	10.9	0.0	–	–	–	–	–	–	–	–	–
157.0	40.0	–	–	12.5	–	–	–	–	–	–	–	–	–

Hygophum reinhardtii

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	95.0	–	–	–	–	2.8	–	–	–	–	–	–	–
103.0	70.0	–	–	2.4	0.0	–	0.0	0.0	–	–	–	–	–
110.0	90.0	–	–	0.0	0.0	0.0	0.0	0.0	–	–	2.7	–	–
117.0	60.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–	–	–	0.0
120.0	50.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	–	–	0.0	–	0.0
120.0	70.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	80.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Hygophum reinhardtii (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	50.0	0.0	0.0	0.0	0.0	9.4	0.0	0.0	–	–	0.0	–	0.0
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.4	–	0.0
130.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	–	–	0.0	–	–
137.0	50.0	–	–	0.0	0.0	0.0	1.8	2.7	–	–	–	–	–

Loweina rara

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	80.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	55.0	–	0.0	0.0	0.0	0.0	0.0	2.6	–	–	–	–	–
117.0	50.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	–	–	–	–	0.0
117.0	80.0	–	–	–	2.1	0.0	0.0	0.0	–	–	–	–	–
120.0	75.0	–	–	–	2.5	–	–	–	–	–	–	–	–
120.0	90.0	5.5	0.0	0.0	–	–	–	–	–	–	0.0	–	–
123.0	37.0	0.0	0.0	2.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
123.0	55.0	3.4	2.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
127.0	55.0	0.0	2.2	0.0	0.0	0.0	3.0	0.0	–	–	–	–	0.0
127.0	60.0	–	–	2.8	0.0	0.0	0.0	0.0	–	–	0.0	–	–
130.0	35.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	–	–	0.0	–	0.0
150.0	19.0	0.0	3.0	0.0	–	–	–	–	–	–	–	–	0.0

Myctophum aurolaternatum

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
157.0	10.0	0.0	0.0	6.4	–	–	–	–	–	–	–	–	–

Myctophum nitidulum

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	40.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	–	–	0.0	–	0.0
107.0	70.0	–	–	0.0	0.0	0.0	0.0	3.0	–	–	–	–	–
110.0	60.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	65.0	–	–	–	–	0.0	2.4	0.0	–	–	–	–	–
110.0	75.0	–	–	–	–	5.8	0.0	0.0	–	–	–	–	–
110.0	85.0	–	–	–	–	3.0	0.0	0.0	–	–	–	–	–
110.0	90.0	–	–	0.0	0.0	0.0	0.0	0.0	–	–	8.1	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	–	–	0.0	–	0.0
113.0	40.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–	0.0	–	0.0
113.0	80.0	–	–	–	0.0	3.3	0.0	0.0	–	–	–	–	–
120.0	50.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	–	–	0.0	–	0.0
120.0	90.0	0.0	0.0	0.0	–	–	–	–	–	–	8.0	–	–
137.0	50.0	–	–	0.0	0.0	0.0	0.0	2.7	–	–	–	–	–

TABLE 4. (cont.)

Protomyctophum crockeri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	65.0	-	-	-	-	5.3	0.0	0.0	-	-	-	-	-
70.0	52.0	-	-	-	-	0.0	0.0	0.0	-	-	2.9	-	-
70.0	80.0	-	-	-	-	-	19.4	0.0	-	-	0.0	-	-
70.0	90.0	-	-	-	-	-	0.0	0.0	-	-	3.1	-	-
73.0	90.0	-	-	-	-	-	6.9	0.0	-	-	-	-	-
77.0	55.0	-	-	-	-	5.4	0.0	0.0	-	-	0.0	-	-
77.0	65.0	-	-	-	-	0.0	6.2	0.0	-	-	-	-	-
77.0	80.0	-	-	-	-	0.0	2.7	0.0	-	-	-	-	-
77.0	90.0	-	-	-	-	0.0	7.9	0.0	-	-	-	-	-
80.0	55.0	0.0	0.0	8.7	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
80.0	70.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	7.9	-
80.0	80.0	9.4	0.0	2.8	0.0	0.0	5.2	0.0	-	-	0.0	-	4.9
80.0	90.0	-	-	-	0.0	0.0	0.0	0.0	-	-	11.5	-	0.0
83.0	40.0	0.0	2.3	0.0	-	-	0.0	0.0	-	-	0.0	-	0.0
83.0	60.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	-	-	5.5	-	2.9
83.0	80.0	-	-	-	0.0	-	13.2	-	-	-	-	-	-
83.0	90.0	-	-	-	5.2	-	0.0	-	-	-	-	-	-
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	-	-	0.0	-	0.0
87.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	-	-	5.7	-	0.0
87.0	50.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
87.0	60.0	3.8	0.0	-	0.0	0.0	0.0	0.0	-	-	2.5	-	6.2
87.0	70.0	-	-	-	6.1	-	0.0	0.0	-	-	-	-	-
87.0	80.0	-	-	-	0.0	-	6.5	-	-	-	-	-	-
90.0	30.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	-	-	2.5	-	0.0
90.0	45.0	0.0	0.0	0.0	2.9	5.6	0.0	0.0	-	-	0.0	-	0.0
90.0	50.0	0.0	-	0.0	0.0	0.0	2.9	0.0	-	-	-	-	-
90.0	60.0	2.7	0.0	0.0	0.0	0.0	0.0	8.4	-	-	0.0	-	0.0
90.0	70.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	80.0	-	-	0.0	3.5	0.0	-	0.0	-	-	0.0	-	0.0
90.0	90.0	-	-	0.0	10.7	0.0	-	0.0	-	-	0.0	-	-
93.0	30.0	0.0	2.7	2.9	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	35.0	-	-	-	-	0.0	0.0	2.0	-	-	-	-	-
93.0	40.0	3.0	0.0	0.0	9.7	0.0	5.9	0.0	-	-	0.0	-	0.0
93.0	45.0	-	-	-	-	0.0	5.8	2.4	-	-	-	-	-
93.0	50.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	3.0
93.0	55.0	-	-	-	-	0.0	0.0	5.1	-	-	-	-	-
93.0	60.0	-	-	0.0	2.8	3.1	0.0	5.6	-	-	0.0	-	-
93.0	70.0	-	-	6.9	0.0	0.0	0.0	0.0	-	-	-	-	-
93.0	80.0	-	-	-	11.3	0.0	0.0	2.7	-	-	-	-	-
93.0	85.0	-	-	-	-	0.0	-	3.3	-	-	-	-	-
93.0	90.0	-	-	-	5.7	0.0	-	0.0	-	-	-	-	-
97.0	32.0	0.0	0.0	6.1	0.0	-	1.6	0.0	-	-	0.0	-	0.0
97.0	40.0	0.0	0.0	2.2	2.5	-	0.0	5.3	-	-	0.0	-	0.0
97.0	50.0	0.0	0.0	2.3	0.0	-	2.0	0.0	-	-	0.0	-	0.0
97.0	60.0	-	-	0.0	6.0	-	0.0	0.0	-	-	0.0	-	-
97.0	65.0	-	-	-	-	-	3.7	0.0	-	-	-	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	70.0	-	-	0.0	6.4	-	0.0	0.0	-	-	-	-	-
97.0	75.0	-	-	-	-	-	3.1	5.5	-	-	-	-	-
97.0	80.0	-	-	-	17.1	-	4.2	0.0	-	-	-	-	-
97.0	85.0	-	-	-	-	-	7.5	0.0	-	-	-	-	-
100.0	30.0	0.0	0.0	0.0	2.5	-	0.0	0.0	-	-	0.0	-	0.0
100.0	35.0	-	-	-	-	-	0.0	2.8	-	-	-	-	-
100.0	40.0	0.0	0.0	0.0	0.0	-	0.0	4.7	-	-	0.0	-	0.0
100.0	45.0	-	-	-	-	-	0.0	9.5	-	-	-	-	-
100.0	50.0	12.6	0.0	3.0	0.0	-	1.9	12.4	-	-	-	-	0.0
100.0	55.0	-	-	-	-	-	3.8	0.0	-	-	-	-	-
100.0	60.0	0.0	0.0	3.4	0.0	-	0.0	0.0	-	-	0.0	-	2.4
100.0	70.0	0.0	10.4	0.0	5.7	-	0.0	5.7	-	-	0.0	-	5.9
100.0	80.0	14.0	5.8	0.0	11.0	-	0.0	0.0	-	-	0.0	-	3.0
100.0	90.0	-	-	6.8	0.0	-	0.0	6.0	-	-	-	-	-
103.0	35.0	5.8	0.0	0.0	9.0	-	0.0	0.0	-	-	0.0	-	3.0
103.0	40.0	0.0	3.5	9.0	5.1	-	0.0	0.0	-	-	0.0	-	0.0
103.0	45.0	-	-	-	5.2	-	3.0	0.0	-	-	-	-	-
103.0	50.0	14.1	3.4	13.4	6.4	-	2.9	0.0	-	-	-	-	6.3
103.0	55.0	-	-	-	6.0	-	5.1	0.0	-	-	-	-	-
103.0	60.0	0.0	5.8	0.0	4.1	-	7.5	0.0	-	-	-	-	0.0
103.0	70.0	-	-	2.4	1.5	-	0.0	3.0	-	-	-	-	-
103.0	75.0	-	-	-	2.8	-	0.0	5.8	-	-	-	-	-
103.0	80.0	-	-	-	0.0	-	1.1	2.8	-	-	-	-	-
103.0	85.0	-	-	-	-	-	1.4	2.4	-	-	-	-	-
107.0	32.0	4.0	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0
107.0	35.0	0.0	0.0	0.0	0.0	-	3.1	0.0	-	-	0.0	-	0.0
107.0	40.0	0.0	3.3	2.9	4.2	-	2.2	2.6	-	-	3.7	-	0.0
107.0	45.0	-	-	-	-	15.3	11.2	3.4	-	-	-	-	-
107.0	50.0	3.6	6.6	10.4	12.7	12.4	3.2	0.0	-	-	-	-	0.0
107.0	55.0	-	-	-	-	0.0	7.6	0.0	-	-	-	-	-
107.0	60.0	0.0	8.9	3.2	0.0	0.0	0.0	6.4	-	-	-	-	0.0
107.0	70.0	-	-	0.0	0.0	3.2	0.0	3.0	-	-	-	-	-
107.0	75.0	-	-	-	-	9.1	0.0	0.0	-	-	-	-	-
107.0	80.0	-	-	-	3.1	2.9	0.0	6.6	-	-	-	-	-
107.0	85.0	-	-	-	-	6.2	0.0	2.8	-	-	-	-	-
107.0	90.0	-	-	-	-	9.0	2.5	5.2	-	-	-	-	-
110.0	33.0	0.0	11.8	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
110.0	35.0	6.5	0.0	0.0	0.0	0.0	0.0	5.2	-	-	0.0	-	0.0
110.0	40.0	0.0	0.0	3.2	3.7	0.0	0.0	11.6	-	-	0.0	-	0.0
110.0	45.0	-	-	-	-	2.9	4.3	0.0	-	-	-	-	-
110.0	50.0	0.0	0.0	0.0	7.1	2.9	0.0	0.0	-	-	2.4	-	-
110.0	55.0	-	-	-	-	0.0	7.2	0.0	-	-	-	-	-
110.0	60.0	0.0	3.0	0.0	0.0	15.9	6.3	0.0	-	-	0.0	-	0.0
110.0	65.0	-	-	-	-	9.2	0.0	2.5	-	-	-	-	-
110.0	70.0	5.4	11.2	0.0	0.0	3.1	0.0	2.6	-	-	0.0	-	0.0
110.0	75.0	-	-	-	-	2.9	2.5	8.4	-	-	-	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	80.0	12.4	6.7	0.0	5.9	0.0	6.1	5.2	-	-	8.8	-	6.0
110.0	85.0	-	-	-	-	0.0	2.1	0.0	-	-	-	-	-
110.0	90.0	-	-	0.0	0.0	2.6	2.9	2.8	-	-	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	6.7	6.8	0.0	-	-	3.7	-	4.2
113.0	40.0	0.0	0.0	0.0	0.0	6.5	3.1	0.0	-	-	0.0	-	0.0
113.0	45.0	-	0.0	0.0	3.0	3.2	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	0.0	0.0	3.2	0.0	0.0	3.3	-	-	-	-	0.0
113.0	55.0	-	0.0	0.0	0.0	6.0	0.0	0.0	-	-	-	-	-
113.0	60.0	6.0	0.0	0.0	2.7	0.0	5.8	7.7	-	-	-	-	2.6
113.0	65.0	-	-	-	-	0.0	0.0	5.4	-	-	-	-	-
113.0	70.0	-	0.0	0.0	0.0	14.8	0.0	6.0	-	-	-	-	5.7
113.0	75.0	-	-	-	-	14.8	0.0	0.0	-	-	-	-	-
113.0	80.0	-	-	-	5.5	3.3	0.0	2.7	-	-	-	-	-
117.0	35.0	3.2	0.0	0.0	0.0	2.7	1.8	0.0	-	-	0.0	-	0.0
117.0	40.0	3.0	0.0	3.4	0.0	0.0	0.0	0.0	-	-	0.0	-	6.0
117.0	45.0	-	0.0	3.2	0.0	4.9	0.0	0.0	-	-	-	-	-
117.0	50.0	0.0	0.0	3.1	7.3	2.2	0.0	5.1	-	-	-	-	0.0
117.0	55.0	-	0.0	0.0	0.0	3.2	3.0	32.2	-	-	-	-	-
117.0	60.0	0.0	0.0	3.8	1.5	5.7	6.7	11.1	-	-	-	-	0.0
117.0	70.0	-	7.3	0.0	0.0	0.0	0.0	0.0	-	-	-	-	2.9
117.0	75.0	-	-	-	-	2.8	0.0	0.0	-	-	-	-	-
117.0	80.0	-	-	-	4.2	0.0	0.0	3.0	-	-	-	-	-
120.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	3.3
120.0	45.0	3.1	2.2	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
120.0	50.0	0.0	3.6	0.0	1.9	0.0	0.0	0.0	-	-	3.5	-	0.0
120.0	55.0	-	3.7	3.0	0.0	0.0	3.1	0.0	-	-	-	-	2.7
120.0	60.0	3.1	8.1	0.0	1.4	-	0.0	2.7	-	-	0.0	-	5.4
120.0	65.0	-	-	-	2.8	-	-	-	-	-	-	-	-
120.0	70.0	6.6	0.0	0.0	1.3	0.0	14.6	0.0	-	-	0.0	-	0.0
120.0	80.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-	2.5	-	-
120.0	90.0	0.0	0.0	3.2	-	-	-	-	-	-	2.7	-	-
120.0	100.0	8.6	0.0	5.6	-	-	-	-	-	-	-	-	-
123.0	37.0	0.0	0.0	2.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0
123.0	40.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	-	-	4.4	-	0.0
123.0	45.0	3.2	0.0	2.9	0.0	0.0	0.0	0.0	-	-	-	-	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	11.9	0.0	-	-	8.9	-	0.0
123.0	55.0	0.0	0.0	8.0	6.3	3.1	0.0	5.1	-	-	-	-	2.8
123.0	60.0	-	-	2.7	1.3	0.0	0.0	2.8	-	-	0.0	-	-
127.0	40.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
127.0	50.0	0.0	2.8	0.0	0.0	6.2	0.0	2.8	-	-	0.0	-	0.0
127.0	55.0	0.0	0.0	2.8	3.4	2.9	5.9	2.4	-	-	-	-	0.0
127.0	60.0	-	-	8.4	0.0	0.0	0.0	0.0	-	-	3.3	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	4.2	-	0.0
130.0	40.0	0.0	0.0	0.0	0.0	12.4	0.0	0.0	-	-	0.0	-	0.0
130.0	50.0	0.0	0.0	0.0	1.3	0.0	0.0	2.8	-	-	0.0	-	2.8
130.0	60.0	3.1	0.0	3.3	1.2	0.0	0.0	2.6	-	-	0.0	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	50.0	–	–	0.0	0.0	0.0	0.0	2.7	–	–	–	–	–
137.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	2.9
137.0	50.0	–	–	0.0	0.0	2.6	0.0	0.0	–	–	–	–	–
137.0	60.0	–	–	3.2	–	–	–	–	–	–	–	–	–

Symbolophorus californiensis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	80.0	–	–	–	–	–	0.0	0.0	–	–	3.0	–	–
70.0	90.0	–	–	–	–	–	0.0	2.2	–	–	0.0	–	–
73.0	80.0	–	–	–	–	–	22.9	0.0	–	–	–	–	–
77.0	90.0	–	–	–	–	0.0	7.9	0.0	–	–	–	–	–
80.0	70.0	0.0	0.0	0.0	0.0	5.5	0.0	6.6	–	–	0.0	0.0	–
80.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–	0.0	–	0.0
80.0	90.0	–	–	–	0.0	0.0	0.0	0.0	–	–	0.0	–	2.8
87.0	45.0	–	–	–	–	0.0	0.0	0.0	–	–	2.6	–	–
87.0	55.0	–	–	–	–	2.6	0.0	0.0	–	–	–	–	–
87.0	80.0	–	–	–	0.0	–	6.5	–	–	–	–	–	–
90.0	60.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	–	–	0.0	–	0.0
90.0	70.0	0.0	0.0	5.8	0.0	6.1	0.0	0.0	–	–	0.0	–	0.0
90.0	80.0	–	–	0.0	0.0	3.0	–	0.0	–	–	0.0	–	0.0
90.0	85.0	–	–	–	–	0.0	–	6.4	–	–	–	–	–
90.0	90.0	–	–	0.0	0.0	5.8	–	0.0	–	–	0.0	–	–
93.0	75.0	–	–	–	–	0.0	11.0	0.0	–	–	–	–	–
93.0	80.0	–	–	–	0.0	0.0	12.2	0.0	–	–	–	–	–
93.0	90.0	–	–	–	5.7	2.8	–	5.3	–	–	–	–	–
93.0	95.0	–	–	–	–	8.4	–	–	–	–	–	–	–
100.0	50.0	0.0	0.0	0.0	0.0	–	0.0	2.5	–	–	–	–	0.0
100.0	70.0	2.8	6.9	0.0	0.0	–	0.0	0.0	–	–	0.0	–	5.9
100.0	80.0	3.5	0.0	6.9	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	90.0	–	–	6.8	0.0	–	0.0	0.0	–	–	–	–	–
103.0	35.0	0.0	0.0	0.0	3.6	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	0.0	7.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	50.0	0.0	0.0	0.0	0.0	–	1.3	0.0	–	–	–	–	0.0
103.0	55.0	–	–	–	0.0	–	1.3	0.0	–	–	–	–	–
103.0	60.0	0.0	0.0	0.0	8.4	–	2.9	0.0	–	–	–	–	0.0
103.0	65.0	–	–	–	16.5	–	0.0	0.0	–	–	–	–	–
103.0	70.0	–	–	0.0	41.8	–	1.4	8.9	–	–	–	–	–
103.0	75.0	–	–	–	0.0	–	2.6	2.9	–	–	–	–	–
103.0	80.0	–	–	–	5.0	–	0.0	0.0	–	–	–	–	–
103.0	85.0	–	–	–	–	–	3.1	0.0	–	–	–	–	–
103.0	90.0	–	–	–	–	–	3.2	0.0	–	–	–	–	–
107.0	40.0	0.0	0.0	0.0	4.2	–	0.0	0.0	–	–	0.0	–	0.0
107.0	50.0	3.6	3.3	6.9	6.3	0.0	0.0	0.0	–	–	–	–	0.0
107.0	55.0	–	–	–	–	2.7	3.8	0.0	–	–	–	–	–

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	60.0	0.0	0.0	19.2	2.4	0.0	0.0	0.0	–	–	–	–	0.0
107.0	65.0	–	–	–	–	12.4	0.0	0.0	–	–	–	–	–
107.0	70.0	–	–	5.3	5.8	0.0	4.6	0.0	–	–	–	–	–
107.0	80.0	–	–	–	4.6	5.7	0.0	0.0	–	–	–	–	–
107.0	85.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
107.0	90.0	–	–	–	–	6.0	0.0	0.0	–	–	–	–	–
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	–	–	0.0	–	0.0
110.0	35.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	40.0	0.0	0.0	0.0	3.7	0.0	0.0	5.8	–	–	0.0	–	0.0
110.0	50.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	–	–	0.0	–	–
110.0	55.0	–	–	–	–	7.9	0.0	0.0	–	–	–	–	–
110.0	60.0	0.0	0.0	0.0	1.3	3.2	0.0	0.0	–	–	0.0	–	0.0
110.0	65.0	–	–	–	–	0.0	4.9	0.0	–	–	–	–	–
110.0	80.0	0.0	0.0	0.0	3.6	0.0	3.0	2.6	–	–	0.0	–	0.0
110.0	85.0	–	–	–	–	0.0	2.1	0.0	–	–	–	–	–
110.0	90.0	–	–	3.5	0.0	0.0	0.0	0.0	–	–	0.0	–	–
113.0	30.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	–	–	0.0	–	0.0
113.0	35.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	–	–	0.0	–	0.0
113.0	40.0	0.0	0.0	0.0	0.0	6.5	0.0	5.6	–	–	0.0	–	0.0
113.0	45.0	–	0.0	0.0	6.1	0.0	0.0	0.0	–	–	–	–	–
113.0	50.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–	–	–	0.0
113.0	55.0	–	3.3	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
113.0	60.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	–	–	–	–	0.0
113.0	75.0	–	–	–	–	3.0	0.0	0.0	–	–	–	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	–	–	0.0	–	0.0
117.0	40.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	45.0	–	0.0	0.0	3.1	0.0	0.0	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	0.0	7.3	4.5	0.0	0.0	–	–	–	–	0.0
117.0	60.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–	–	–	0.0
117.0	65.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
117.0	70.0	–	0.0	0.0	0.0	2.7	0.0	0.0	–	–	–	–	0.0
120.0	70.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	80.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	–	–	0.0	–	–
127.0	55.0	0.0	0.0	2.8	0.0	2.9	3.0	0.0	–	–	–	–	0.0
130.0	55.0	–	–	–	2.4	–	–	–	–	–	–	–	–

Tarletonbeania crenularis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	70.0	–	–	–	–	–	13.1	–	–	–	0.0	–	–
60.0	90.0	–	–	–	–	–	13.1	–	–	–	0.0	–	–
63.0	52.0	–	–	–	–	0.0	0.0	0.0	–	–	4.4	–	–
63.0	55.0	–	–	–	–	0.0	0.0	9.9	–	–	5.4	–	–
63.0	65.0	–	–	–	–	5.3	0.0	13.4	–	–	–	–	–
67.0	50.0	–	–	–	–	0.0	3.3	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	55.0	–	–	–	–	0.0	0.0	5.8	–	–	0.0	–	–
67.0	65.0	–	–	–	–	0.0	11.4	0.0	–	–	–	–	–
70.0	52.0	–	–	–	–	0.0	2.6	0.0	–	–	2.9	–	–
70.0	55.0	–	–	–	–	0.0	0.0	23.3	–	–	0.0	–	–
70.0	60.0	–	–	–	–	0.0	23.6	13.1	–	–	6.5	–	–
70.0	70.0	–	–	–	–	5.9	6.3	0.0	–	–	33.2	–	–
70.0	80.0	–	–	–	–	–	12.9	3.0	–	–	3.0	–	–
70.0	90.0	–	–	–	–	–	0.0	4.4	–	–	0.0	–	–
73.0	60.0	–	–	–	–	–	0.0	19.1	–	–	0.0	–	–
73.0	70.0	–	–	–	–	–	0.0	10.4	–	–	–	–	–
73.0	80.0	–	–	–	–	–	22.9	25.0	–	–	–	–	–
73.0	90.0	–	–	–	–	–	20.6	0.0	–	–	–	–	–
77.0	50.0	–	–	–	–	0.0	3.2	0.0	–	–	2.8	–	–
77.0	55.0	–	–	–	–	5.4	9.6	7.2	–	–	0.0	–	–
77.0	70.0	–	–	–	–	0.0	3.5	20.8	–	–	–	–	–
77.0	80.0	–	–	–	–	15.6	0.0	0.0	–	–	–	–	–
77.0	90.0	–	–	–	–	0.0	5.3	0.0	–	–	–	–	–
80.0	51.0	0.0	–	0.0	0.0	5.5	0.0	0.0	–	–	0.0	0.0	–
80.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	5.7	–
80.0	60.0	0.0	0.0	0.0	24.5	11.3	0.0	0.0	–	–	5.7	0.0	–
80.0	70.0	2.7	5.3	0.0	0.0	5.5	0.0	6.6	–	–	0.0	13.1	–
80.0	80.0	6.3	0.0	0.0	0.0	0.0	26.2	0.0	–	–	0.0	–	9.9
80.0	90.0	–	–	–	0.0	3.1	0.0	11.1	–	–	2.9	–	0.0
83.0	40.0	0.0	0.0	0.0	–	–	0.0	0.0	–	–	0.0	–	1.1
83.0	51.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	60.0	6.3	0.0	0.0	0.0	3.1	0.0	0.0	–	–	0.0	–	0.0
83.0	70.0	–	–	–	0.0	–	0.0	6.0	–	–	–	–	–
83.0	75.0	–	–	–	–	–	13.8	–	–	–	–	–	–
83.0	90.0	–	–	–	5.2	–	0.0	–	–	–	–	–	–
87.0	40.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	45.0	–	–	–	–	0.0	0.0	0.0	–	–	5.2	–	–
87.0	50.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	–	–	0.0	–	6.3
87.0	55.0	–	–	–	–	0.0	12.4	0.0	–	–	–	–	–
87.0	60.0	0.0	0.0	–	2.7	0.0	14.4	0.0	–	–	0.0	–	0.0
90.0	45.0	0.0	0.0	0.0	0.0	5.6	0.0	6.4	–	–	0.0	–	0.0
90.0	50.0	0.0	–	0.0	0.0	0.0	0.0	4.2	–	–	–	–	–
90.0	55.0	–	–	–	–	3.0	11.2	5.4	–	–	0.0	–	0.0
90.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	5.4
90.0	65.0	–	–	–	–	11.4	0.0	0.0	–	–	–	–	–
90.0	70.0	5.7	0.0	0.0	2.5	0.0	0.0	0.0	–	–	0.0	–	5.4
90.0	80.0	–	–	0.0	0.0	0.0	–	0.0	–	–	3.0	–	0.0
90.0	90.0	–	–	6.1	0.0	0.0	–	0.0	–	–	0.0	–	–
93.0	30.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	–	–	0.0	–	0.0
93.0	40.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	45.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
93.0	50.0	0.0	0.0	0.0	0.0	9.2	0.0	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.
93.0	55.0	–	–	–	–	0.0	0.0	5.1	–	–	–	–	–
93.0	60.0	–	–	0.0	0.0	0.0	0.0	16.7	–	–	0.0	–	–
93.0	65.0	–	–	–	–	0.0	–	4.2	–	–	–	–	–
93.0	70.0	–	–	0.0	0.0	0.0	30.7	0.0	–	–	–	–	–
97.0	45.0	–	–	–	–	–	3.3	0.0	–	–	–	–	–
97.0	80.0	–	–	–	0.0	–	0.0	3.0	–	–	–	–	–
100.0	40.0	0.0	0.0	0.0	0.0	–	4.2	0.0	–	–	0.0	–	0.0
100.0	50.0	0.0	0.0	0.0	0.0	–	2.2	2.5	–	–	–	–	0.0
100.0	60.0	0.0	0.0	0.0	0.0	–	3.2	0.0	–	–	0.0	–	0.0
100.0	75.0	–	–	–	–	–	0.0	2.7	–	–	–	–	–
103.0	35.0	0.0	0.0	0.0	1.8	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	0.0	0.0	–	0.0	5.3	–	–	0.0	–	0.0
103.0	45.0	–	–	–	2.6	–	0.0	0.0	–	–	–	–	–
103.0	55.0	–	–	–	0.0	–	3.8	0.0	–	–	–	–	–
103.0	60.0	0.0	0.0	0.0	1.4	–	0.0	0.0	–	–	–	–	0.0
103.0	70.0	–	–	0.0	0.0	–	0.0	3.0	–	–	–	–	–
110.0	35.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	–	–	0.0	–	–

Synodus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	30.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	34.3
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	6.4
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.9	–	8.8
117.0	30.0	0.0	0.0	0.0	0.0	88.5	0.0	0.0	–	–	9.6	–	0.0
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	13.5	–	0.0
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	3.0
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	7.2
120.0	27.0	–	–	–	–	0.0	0.0	–	–	–	4.8	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	36.4	–	27.0
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.2	–	81.0
120.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	3.3
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	9.4	–	0.0
123.0	37.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	15.0	–	0.0
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	8.9	–	6.9
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	15.3	–	0.0
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	11.4	–	0.0
130.0	30.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
133.0	25.0	12.4	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
133.0	30.0	18.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
137.0	23.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	–	–	2.4	–	0.0
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	23.5	–	6.3
137.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	5.9
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	–	–	81.2

TABLE 4. (cont.)

Synodus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
143.0	26.0	4.7	2.5	0.0	–	–	–	–	–	–	–	–	20.5
147.0	20.0	3.4	2.8	7.5	–	–	–	–	–	–	–	–	18.2
147.0	25.0	0.0	0.0	0.0	–	–	–	–	–	–	–	–	8.3
150.0	19.0	13.2	0.0	0.0	–	–	–	–	–	–	–	–	0.0
153.0	20.0	3.7	0.0	0.0	–	–	–	–	–	–	–	–	–

Bregmaceros spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
147.0	20.0	0.0	16.7	0.0	–	–	–	–	–	–	–	–	0.0
147.0	25.0	0.0	8.2	0.0	–	–	–	–	–	–	–	–	0.0
157.0	30.0	0.0	10.9	0.0	–	–	–	–	–	–	–	–	–

Merluccius productus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	0.0	–	3.1	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	55.0	0.0	12.9	17.4	0.0	0.0	0.0	0.0	–	–	0.0	8.6	–
80.0	60.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	70.0	0.0	37.2	10.2	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	80.0	0.0	386.1	11.4	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	40.0	0.0	37.0	2.5	–	–	0.0	0.0	–	–	0.0	–	0.0
83.0	43.0	16.5	9.8	3.4	0.0	4.9	0.0	0.0	–	–	0.0	–	0.0
83.0	51.0	5.6	13.8	12.1	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	60.0	3.1	32.3	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	70.0	–	–	–	27.4	–	0.0	0.0	–	–	–	–	–
87.0	35.0	0.0	100.3	30.8	5.6	0.0	0.0	0.0	–	–	0.0	–	2.4
87.0	40.0	26.5	32.2	32.1	0.0	0.0	0.0	0.0	–	–	0.0	–	2.3
87.0	50.0	28.9	390.4	0.0	0.0	2.6	0.0	0.0	–	–	0.0	–	0.0
87.0	60.0	61.3	61.0	–	26.9	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	28.0	0.0	5.0	1.8	–	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	30.0	9.0	199.0	2.7	0.0	0.0	0.0	0.0	–	–	2.5	–	0.0
90.0	37.0	25.0	576.2	10.1	5.6	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	45.0	82.3	162.2	26.3	0.0	2.8	0.0	0.0	–	–	0.0	–	0.0
90.0	50.0	433.3	–	5.7	0.0	0.0	0.0	0.0	–	–	–	–	–
90.0	60.0	27.2	161.7	11.6	13.5	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	70.0	14.3	387.6	23.3	181.3	3.0	0.0	0.0	–	–	0.0	–	0.0
90.0	80.0	–	–	31.0	17.4	0.0	–	0.0	–	–	0.0	–	0.0
90.0	90.0	–	–	9.2	0.0	0.0	–	0.0	–	–	0.0	–	–
93.0	27.0	62.5	7.0	5.3	2.7	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	30.0	34.4	18.6	23.0	5.2	6.1	0.0	0.0	–	–	0.0	–	0.0
93.0	40.0	298.0	92.7	48.4	0.0	0.0	0.0	0.0	–	–	0.0	–	4.5
93.0	45.0	–	–	–	–	6.3	0.0	0.0	–	–	–	–	–
93.0	50.0	205.6	250.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	60.0	–	–	24.1	2.8	3.1	0.0	0.0	–	–	0.0	–	–
93.0	70.0	–	–	79.3	0.0	0.0	0.0	0.0	–	–	–	–	–
93.0	80.0	–	–	–	22.6	0.0	6.1	0.0	–	–	–	–	–
93.0	90.0	–	–	–	28.4	0.0	–	0.0	–	–	–	–	–
97.0	30.0	24.2	15.2	0.0	0.0	–	0.0	0.0	–	–	4.9	–	0.0
97.0	32.0	33.7	45.9	156.1	6.2	–	0.0	0.0	–	–	0.0	–	0.0
97.0	35.0	–	–	–	–	–	1.4	0.0	–	–	–	–	–
97.0	40.0	48.0	43.8	69.4	17.6	–	1.5	0.0	–	–	0.0	–	0.0
97.0	50.0	232.6	78.0	34.3	0.0	–	0.0	0.0	–	–	0.0	–	0.0
97.0	60.0	–	–	50.2	9.0	–	0.0	0.0	–	–	0.0	–	–
97.0	70.0	–	–	30.5	6.4	–	0.0	0.0	–	–	–	–	–
97.0	80.0	–	–	–	14.3	–	0.0	0.0	–	–	–	–	–
97.0	90.0	–	–	–	24.2	–	10.4	0.0	–	–	–	–	–
100.0	29.0	32.0	244.6	60.8	6.8	–	0.0	0.0	–	–	4.6	–	0.0
100.0	30.0	20.6	111.6	24.8	37.5	–	0.0	0.0	–	–	0.0	–	2.7
100.0	40.0	11.8	150.3	28.8	41.5	–	0.0	0.0	–	–	0.0	–	0.0
100.0	45.0	–	–	–	–	–	4.6	0.0	–	–	–	–	–
100.0	50.0	3.2	154.5	72.0	6.3	–	0.0	0.0	–	–	–	–	0.0
100.0	55.0	–	–	–	–	–	1.3	0.0	–	–	–	–	–
100.0	60.0	0.0	403.3	68.8	28.9	–	0.0	0.0	–	–	0.0	–	0.0
100.0	70.0	0.0	44.9	78.3	42.9	–	0.0	0.0	–	–	0.0	–	0.0
100.0	80.0	0.0	43.8	45.0	33.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	90.0	–	–	5052.4	14.6	–	0.0	0.0	–	–	–	–	–
103.0	30.0	8.8	139.8	35.4	0.0	–	0.0	0.0	–	–	0.0	–	3.5
103.0	35.0	20.2	1069.3	122.1	283.5	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	11.5	141.4	95.7	348.6	–	0.0	0.0	–	–	0.0	–	0.0
103.0	45.0	–	–	–	72.8	–	0.0	0.0	–	–	–	–	–
103.0	50.0	28.2	267.5	338.3	7.7	–	0.0	0.0	–	–	–	–	0.0
103.0	55.0	–	–	–	9.0	–	0.0	0.0	–	–	–	–	–
103.0	60.0	151.0	718.3	13.7	92.8	–	3.1	0.0	–	–	–	–	0.0
103.0	65.0	–	–	–	467.5	–	0.0	0.0	–	–	–	–	–
103.0	70.0	–	–	0.0	173.4	–	0.0	0.0	–	–	–	–	–
103.0	75.0	–	–	–	73.3	–	0.0	0.0	–	–	–	–	–
103.0	80.0	–	–	–	48.3	–	0.0	0.0	–	–	–	–	–
107.0	32.0	20.1	427.7	50.4	7.3	–	0.0	0.0	–	–	0.0	–	0.0
107.0	35.0	9.7	1263.4	24.1	99.5	–	0.0	0.0	–	–	0.0	–	0.0
107.0	40.0	3.1	113.2	17.5	355.3	–	0.0	0.0	–	–	0.0	–	0.0
107.0	50.0	0.0	26.6	336.6	332.9	3.1	0.0	0.0	–	–	–	–	0.0
107.0	55.0	–	–	–	–	2.7	0.0	0.0	–	–	–	–	–
107.0	60.0	0.0	0.0	144.0	90.8	0.0	0.0	0.0	–	–	–	–	0.0
107.0	70.0	–	–	47.7	78.6	0.0	0.0	0.0	–	–	–	–	–
107.0	80.0	–	–	–	51.3	0.0	0.0	0.0	–	–	–	–	–
110.0	33.0	502.0	2725.8	111.2	15.7	0.0	0.0	0.0	–	–	0.0	–	9.3
110.0	35.0	206.4	2099.3	91.5	286.0	3.1	0.0	0.0	–	–	0.0	–	5.1
110.0	40.0	2.8	201.5	12.9	40.8	6.4	0.0	0.0	–	–	0.0	–	3.7
110.0	45.0	–	–	–	–	2.9	0.0	0.0	–	–	–	–	–

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	50.0	2.8	6.6	0.0	42.5	2.9	2.6	0.0	–	–	0.0	–	–
110.0	60.0	2.9	18.3	3.4	7.9	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	70.0	0.0	5.6	0.0	5.3	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	80.0	0.0	0.0	359.9	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	90.0	–	–	186.8	0.0	0.0	0.0	0.0	–	–	0.0	–	–
113.0	30.0	0.0	2028.0	14.9	3.9	0.0	0.0	0.0	–	–	0.0	–	9.8
113.0	35.0	23.2	2389.0	111.3	52.8	0.0	0.0	0.0	–	–	0.0	–	25.4
113.0	40.0	8.2	855.4	163.8	69.2	0.0	0.0	0.0	–	–	0.0	–	5.3
113.0	45.0	–	1909.4	22.6	197.6	0.0	0.0	0.0	–	–	–	–	–
113.0	50.0	11.0	151.7	28.2	86.1	0.0	0.0	0.0	–	–	–	–	0.0
113.0	55.0	–	16.8	223.0	0.0	0.0	0.0	0.0	–	–	–	–	–
113.0	60.0	0.0	3.3	13.8	11.1	0.0	0.0	0.0	–	–	–	–	0.0
113.0	70.0	–	0.0	0.0	40.0	0.0	0.0	0.0	–	–	–	–	0.0
113.0	80.0	–	–	–	2.8	0.0	0.0	0.0	–	–	–	–	–
117.0	26.0	64.8	37.4	36.0	28.5	0.0	0.0	0.0	–	–	2.9	–	0.0
117.0	30.0	504.6	647.0	175.8	0.0	0.0	0.0	0.0	–	–	9.6	–	14.7
117.0	35.0	1318.7	1832.4	7.2	22.5	5.4	0.0	0.0	–	–	0.0	–	102.4
117.0	40.0	14.9	192.0	63.8	21.1	3.3	0.0	0.0	–	–	0.0	–	0.0
117.0	45.0	–	69.2	16.1	49.1	2.5	0.0	0.0	–	–	–	–	–
117.0	50.0	16.0	50.2	12.3	91.3	2.2	0.0	0.0	–	–	–	–	0.0
117.0	55.0	–	3.4	364.3	195.2	0.0	0.0	0.0	–	–	–	–	–
117.0	60.0	3.7	0.0	226.6	23.3	0.0	0.0	0.0	–	–	–	–	0.0
117.0	70.0	–	0.0	0.0	45.6	0.0	0.0	0.0	–	–	–	–	0.0
120.0	25.0	212.8	5.8	12.6	0.0	0.0	0.0	0.0	–	–	–	–	2.4
120.0	27.0	–	–	–	–	0.0	0.0	–	–	–	2.4	–	–
120.0	30.0	256.7	119.4	140.4	23.8	0.0	0.0	0.0	–	–	4.0	–	37.8
120.0	35.0	20.4	79.3	3.5	11.1	0.0	0.0	0.0	–	–	0.0	–	30.4
120.0	40.0	60.3	112.1	2.7	0.0	0.0	0.0	0.0	–	–	–	–	1.6
120.0	45.0	147.8	26.8	0.0	16.6	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	50.0	46.2	3.6	69.5	22.2	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	55.0	–	0.0	318.1	2.6	0.0	0.0	0.0	–	–	–	–	0.0
120.0	60.0	0.0	0.0	14.6	3.4	–	0.0	0.0	–	–	0.0	–	0.0
120.0	65.0	–	–	–	48.1	–	–	–	–	–	–	–	–
120.0	70.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	–	–	0.0	–	0.0
120.0	80.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	90.0	0.0	0.0	6.4	–	–	–	–	–	–	0.0	–	–
120.0	100.0	0.0	0.0	2.8	–	–	–	–	–	–	–	–	–
123.0	37.0	11.3	5.0	24.2	0.0	–	0.0	0.0	–	–	0.0	–	0.0
123.0	40.0	34.4	13.6	27.3	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
123.0	45.0	3.2	63.6	8.8	0.0	0.0	0.0	0.0	–	–	–	–	–
123.0	50.0	0.0	0.0	10.6	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
123.0	55.0	0.0	0.0	24.1	0.0	0.0	0.0	0.0	–	–	–	–	0.0
123.0	60.0	–	–	123.7	0.0	0.0	0.0	0.0	–	–	0.0	–	–
127.0	34.0	2.6	18.3	7.9	4.4	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	40.0	0.0	82.1	58.7	0.0	2.4	0.0	0.0	–	–	0.0	–	0.0
127.0	45.0	0.0	81.3	5.5	8.6	0.0	0.0	0.0	–	–	–	–	–

TABLE 4. (cont.)

Merluccius productus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	50.0	0.0	76.9	11.4	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
127.0	55.0	0.0	11.0	5.6	3.4	0.0	0.0	0.0	-	-	-	-	0.0
127.0	60.0	-	-	8.4	0.0	0.0	0.0	0.0	-	-	0.0	-	-
130.0	30.0	2.5	3.9	5.9	8.0	10.6	0.0	0.0	-	-	0.0	-	0.0
130.0	35.0	5.6	80.5	413.3	8.6	0.0	0.0	0.0	-	-	0.0	-	8.8
130.0	40.0	7.9	241.0	67.2	10.7	12.4	0.0	0.0	-	-	0.0	-	0.0
130.0	50.0	0.0	48.2	23.9	0.0	6.6	0.0	0.0	-	-	0.0	-	0.0
130.0	60.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	-	-	0.0	-	-
133.0	25.0	0.0	-	16.5	12.0	0.0	0.0	0.0	-	-	0.0	-	0.0
133.0	30.0	0.0	7.8	114.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
133.0	40.0	6.6	452.9	126.0	11.6	-	3.3	0.0	-	-	-	-	0.0
133.0	50.0	-	-	95.6	0.0	0.0	0.0	0.0	-	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	30.6	0.0	0.0	-	-	0.0	-	2.9
137.0	30.0	45.6	65.1	34.9	0.0	8.3	7.3	2.7	-	-	0.0	-	0.0
137.0	40.0	0.0	8.7	8.4	6.1	0.0	0.0	0.0	-	-	-	-	0.0
137.0	50.0	-	-	50.2	0.0	0.0	0.0	0.0	-	-	-	-	-
137.0	60.0	-	-	19.3	-	-	-	-	-	-	-	-	-
140.0	30.0	318.7	601.6	0.0	-	-	-	-	-	-	-	-	0.0
140.0	35.0	6847.6	170.2	17.9	-	-	-	-	-	-	-	-	0.0
140.0	40.0	7.0	15.5	13.7	-	-	-	-	-	-	-	-	0.0
140.0	50.0	-	-	2.9	-	-	-	-	-	-	-	-	-
143.0	26.0	0.0	1454.8	572.2	-	-	-	-	-	-	-	-	0.0
143.0	30.0	33.0	1226.4	24.6	-	-	-	-	-	-	-	-	3.0
143.0	35.0	6.5	27.0	29.8	-	-	-	-	-	-	-	-	0.0
143.0	40.0	-	-	2.4	-	-	-	-	-	-	-	-	-
147.0	20.0	128.8	33.4	32.6	-	-	-	-	-	-	-	-	0.0
147.0	25.0	460.0	308.5	62.1	-	-	-	-	-	-	-	-	0.0
147.0	30.0	0.0	19.1	46.8	-	-	-	-	-	-	-	-	0.0
150.0	19.0	13.2	0.0	169.6	-	-	-	-	-	-	-	-	0.0
150.0	25.0	0.0	25.7	7.1	-	-	-	-	-	-	-	-	0.0
150.0	30.0	0.0	18.2	15.4	-	-	-	-	-	-	-	-	0.0
153.0	16.0	0.0	0.0	2.2	-	-	-	-	-	-	-	-	-
153.0	20.0	0.0	0.0	4.4	-	-	-	-	-	-	-	-	-
157.0	30.0	0.0	0.0	3.1	-	-	-	-	-	-	-	-	-

Macrouridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	2.3
100.0	30.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	-	2.7
133.0	40.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-	-	5.7

TABLE 4. (cont.)

Ophidiiformes

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	60.0	–	–	–	–	–	10.7	0.0	–	–	0.0	–	–
80.0	55.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–	0.0	0.0	–
83.0	51.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	35.0	0.0	0.0	0.0	0.0	2.5	5.9	0.0	–	–	0.0	–	0.0
87.0	60.0	0.0	0.0	–	0.0	0.0	0.0	12.9	–	–	0.0	–	0.0
90.0	30.0	0.0	0.0	0.0	0.0	2.9	3.0	0.0	–	–	0.0	–	0.0
90.0	50.0	0.0	–	0.0	0.0	0.0	2.9	0.0	–	–	–	–	–
90.0	55.0	–	–	–	–	0.0	5.6	0.0	–	–	0.0	–	0.0
93.0	45.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
100.0	30.0	0.0	0.0	0.0	0.0	–	1.4	0.0	–	–	0.0	–	0.0
110.0	35.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	–	–	0.0	–	0.0
113.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	2.6
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.8	–	0.0
117.0	55.0	–	0.0	0.0	0.0	0.0	0.0	2.5	–	–	–	–	–
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	2.4
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.1	–	0.0
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.3	–	0.0
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–	0.0	–	0.0
130.0	35.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	–	–	0.0	–	0.0
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	3.3
147.0	20.0	0.0	0.0	0.0	–	–	–	–	–	–	–	–	2.6
147.0	25.0	0.0	0.0	1.9	–	–	–	–	–	–	–	–	0.0
150.0	25.0	0.0	2.3	0.0	–	–	–	–	–	–	–	–	0.0
157.0	10.0	0.0	0.0	3.2	–	–	–	–	–	–	–	–	–

Brosmophycis marginata

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	55.0	–	–	–	–	–	2.5	–	–	–	0.0	–	–
73.0	60.0	–	–	–	–	–	0.0	9.6	–	–	0.0	–	–
90.0	50.0	0.0	–	0.0	0.0	5.8	0.0	0.0	–	–	–	–	–
90.0	55.0	–	–	–	–	3.0	0.0	0.0	–	–	0.0	–	0.0
97.0	30.0	0.0	0.0	0.0	0.0	–	0.0	1.7	–	–	0.0	–	0.0
103.0	30.0	0.0	0.0	0.0	0.0	–	0.9	0.0	–	–	0.0	–	0.0

Carapidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
157.0	10.0	0.0	0.0	3.2	–	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Chilara taylori

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	35.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	–	–	0.0	–	0.0
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.0	–	0.0
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	–	–	2.1	–	0.0
120.0	40.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.3	–	0.0
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.4	–	0.0
123.0	45.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	0.0
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.7	–	0.0
127.0	60.0	–	–	0.0	0.0	0.0	0.0	0.0	–	–	3.3	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	–	–	0.0	–	0.0
137.0	60.0	–	–	3.2	–	–	–	–	–	–	–	–	–

Ophidion scrippsae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	27.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	–	–	0.0	–	0.0
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	–	–	0.0	–	0.0
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	–	–	2.8

Gobiesocidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	0.0	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.4	–

Cololabis saira

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	50.0	–	–	–	–	2.4	0.0	0.0	–	–	0.0	–	–
77.0	55.0	–	–	–	–	0.0	3.2	0.0	–	–	0.0	–	–
77.0	80.0	–	–	–	–	0.0	2.7	0.0	–	–	–	–	–
77.0	90.0	–	–	–	–	0.0	2.6	0.0	–	–	–	–	–
80.0	55.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
87.0	35.0	0.0	0.0	0.0	0.0	12.3	0.0	0.0	–	–	0.0	–	0.0
87.0	40.0	0.0	0.0	0.0	0.0	38.3	0.0	0.0	–	–	0.0	–	0.0
87.0	45.0	–	–	–	–	11.8	0.0	0.0	–	–	0.0	–	–
87.0	70.0	–	–	–	0.0	–	0.0	5.5	–	–	–	–	–
90.0	28.0	0.0	0.0	1.8	–	0.0	5.0	0.0	–	–	0.0	–	0.0
90.0	37.0	0.0	0.0	0.0	2.8	2.7	5.3	0.0	–	–	0.0	–	0.0
90.0	45.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–	0.0	–	0.0
90.0	50.0	0.0	–	0.0	0.0	0.0	2.9	0.0	–	–	–	–	–
90.0	60.0	0.0	0.0	0.0	0.0	2.7	6.6	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Cololabis saira (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	27.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	-	-	0.0	-	0.0
93.0	35.0	-	-	-	-	0.0	0.0	2.0	-	-	-	-	-
93.0	55.0	-	-	-	-	0.0	0.0	15.3	-	-	-	-	-
97.0	32.0	0.0	0.0	0.0	0.0	-	3.2	0.0	-	-	0.0	-	0.0
97.0	35.0	-	-	-	-	-	0.0	3.1	-	-	-	-	-
97.0	40.0	0.0	0.0	2.2	0.0	-	0.0	0.0	-	-	0.0	-	0.0
97.0	50.0	0.0	0.0	0.0	0.0	-	0.0	13.2	-	-	0.0	-	0.0
97.0	55.0	-	-	-	-	-	0.0	12.8	-	-	-	-	-
97.0	70.0	-	-	0.0	0.0	-	0.0	6.8	-	-	-	-	-
97.0	75.0	-	-	-	-	-	0.0	5.5	-	-	-	-	-
97.0	80.0	-	-	-	0.0	-	83.4	0.0	-	-	-	-	-
100.0	35.0	-	-	-	-	-	1.5	0.0	-	-	-	-	-
100.0	40.0	0.0	0.0	0.0	0.0	-	2.8	2.3	-	-	0.0	-	0.0
100.0	50.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-	-	2.3
100.0	80.0	0.0	0.0	0.0	0.0	-	0.0	2.9	-	-	0.0	-	0.0
103.0	60.0	0.0	0.0	0.0	0.0	-	0.0	2.8	-	-	-	-	0.0
103.0	70.0	-	-	0.0	2.6	-	0.0	0.0	-	-	-	-	-
103.0	75.0	-	-	-	0.0	-	1.3	0.0	-	-	-	-	-
107.0	40.0	0.0	0.0	0.0	0.0	-	0.0	2.6	-	-	0.0	-	0.0
107.0	65.0	-	-	-	-	0.0	0.0	6.2	-	-	-	-	-
107.0	70.0	-	-	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	-	-	0.0	-	0.0
110.0	45.0	-	-	-	-	0.0	2.2	0.0	-	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	-	-	2.4	-	-
110.0	55.0	-	-	-	-	5.2	2.4	0.0	-	-	-	-	-
110.0	80.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	0.0
117.0	45.0	-	0.0	0.0	0.0	2.5	0.0	0.0	-	-	-	-	-
117.0	75.0	-	-	-	-	2.8	0.0	0.0	-	-	-	-	-
117.0	80.0	-	-	-	0.0	0.0	0.0	3.0	-	-	-	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	-	-	0.0	-	0.0
120.0	50.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	0.0
123.0	60.0	-	-	0.0	0.0	0.0	0.0	2.8	-	-	0.0	-	-
133.0	40.0	0.0	0.0	0.0	0.0	-	0.0	5.1	-	-	-	-	0.0

Atherinidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	28.0	0.0	0.0	0.0	-	0.0	5.0	0.0	-	-	0.0	-	0.0
110.0	33.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
130.0	30.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	-	-	0.0	-	0.0

TABLE 4. (cont.)

Trachipteridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	55.0	-	-	-	-	0.0	0.0	9.9	-	-	0.0	-	-
70.0	90.0	-	-	-	-	-	2.7	0.0	-	-	0.0	-	-
77.0	80.0	-	-	-	-	0.0	0.0	10.9	-	-	-	-	-
80.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	-	-	0.0	0.0	-
80.0	80.0	0.0	0.0	2.8	0.0	0.0	0.0	3.0	-	-	0.0	-	0.0
83.0	60.0	0.0	0.0	0.0	0.0	3.1	7.2	0.0	-	-	0.0	-	0.0
83.0	90.0	-	-	-	5.2	-	0.0	-	-	-	-	-	-
90.0	80.0	-	-	0.0	0.0	0.0	-	0.0	-	-	3.0	-	0.0
90.0	90.0	-	-	0.0	0.0	0.0	-	0.0	-	-	5.0	-	-
97.0	70.0	-	-	0.0	0.0	-	3.5	0.0	-	-	-	-	-
100.0	60.0	0.0	0.0	0.0	0.0	-	3.2	0.0	-	-	0.0	-	0.0

Melamphaes spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	80.0	-	-	-	-	-	7.9	-	-	-	0.0	-	-
70.0	90.0	-	-	-	-	-	0.0	2.2	-	-	0.0	-	-
77.0	65.0	-	-	-	-	0.0	3.1	0.0	-	-	-	-	-
80.0	80.0	3.1	0.0	2.8	2.8	0.0	0.0	8.9	-	-	0.0	-	0.0
80.0	90.0	-	-	-	0.0	6.3	0.0	0.0	-	-	0.0	-	0.0
83.0	70.0	-	-	-	8.2	-	0.0	6.0	-	-	-	-	-
87.0	60.0	0.0	0.0	-	2.7	0.0	0.0	0.0	-	-	0.0	-	0.0
87.0	80.0	-	-	-	3.1	-	0.0	-	-	-	-	-	-
87.0	90.0	-	-	-	3.0	-	0.0	-	-	-	-	-	-
90.0	60.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	-	-	0.0	-	0.0
90.0	70.0	2.8	0.0	0.0	14.7	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	80.0	-	-	3.1	3.5	0.0	-	4.2	-	-	0.0	-	0.0
90.0	90.0	-	-	15.3	0.0	2.9	-	0.0	-	-	0.0	-	-
93.0	45.0	-	-	-	-	0.0	0.0	2.4	-	-	-	-	-
93.0	55.0	-	-	-	-	3.1	5.0	0.0	-	-	-	-	-
93.0	60.0	-	-	0.0	2.8	0.0	0.0	0.0	-	-	0.0	-	-
93.0	70.0	-	-	0.0	0.0	3.0	0.0	0.0	-	-	-	-	-
93.0	75.0	-	-	-	-	0.0	5.5	0.0	-	-	-	-	-
93.0	80.0	-	-	-	2.8	0.0	6.1	0.0	-	-	-	-	-
93.0	90.0	-	-	-	5.7	0.0	-	2.6	-	-	-	-	-
93.0	95.0	-	-	-	-	2.8	-	-	-	-	-	-	-
97.0	50.0	0.0	3.1	0.0	2.7	-	1.7	0.0	-	-	0.0	-	0.0
97.0	60.0	-	-	0.0	3.0	-	7.7	0.0	-	-	0.0	-	-
97.0	65.0	-	-	-	-	-	0.0	3.0	-	-	-	-	-
97.0	80.0	-	-	-	8.6	-	0.0	0.0	-	-	-	-	-
100.0	35.0	-	-	-	-	-	1.5	0.0	-	-	-	-	-
100.0	55.0	-	-	-	-	-	0.0	2.7	-	-	-	-	-
100.0	60.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	-	2.4
100.0	70.0	0.0	0.0	2.9	0.0	-	5.4	0.0	-	-	0.0	-	0.0
100.0	75.0	-	-	-	-	-	0.0	2.7	-	-	-	-	-

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	80.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	2.2	-	0.0
100.0	90.0	-	-	0.0	0.0	-	6.2	0.0	-	-	-	-	-
103.0	35.0	0.0	0.0	0.0	4.2	-	0.0	0.0	-	-	0.0	-	0.0
103.0	40.0	0.0	0.0	0.0	2.9	-	1.4	0.0	-	-	0.0	-	0.0
103.0	50.0	0.0	3.4	0.0	1.3	-	0.0	0.0	-	-	-	-	0.0
103.0	55.0	-	-	-	9.0	-	1.3	0.0	-	-	-	-	-
103.0	60.0	0.0	2.9	0.0	6.8	-	3.1	8.4	-	-	-	-	0.0
103.0	65.0	-	-	-	11.0	-	0.0	5.0	-	-	-	-	-
103.0	70.0	-	-	9.8	2.7	-	0.0	0.0	-	-	-	-	-
103.0	75.0	-	-	-	2.8	-	1.5	2.9	-	-	-	-	-
103.0	80.0	-	-	-	0.0	-	1.1	0.0	-	-	-	-	-
103.0	90.0	-	-	-	-	-	3.2	0.0	-	-	-	-	-
107.0	32.0	0.0	0.0	0.0	0.0	-	0.0	2.8	-	-	0.0	-	0.0
107.0	40.0	0.0	0.0	2.9	4.2	-	1.2	0.0	-	-	0.0	-	0.0
107.0	45.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
107.0	50.0	0.0	0.0	6.9	3.2	9.3	0.0	0.0	-	-	-	-	0.0
107.0	60.0	0.0	0.0	0.0	4.8	2.8	2.6	0.0	-	-	-	-	0.0
107.0	65.0	-	-	-	-	6.2	0.0	0.0	-	-	-	-	-
107.0	70.0	-	-	2.7	0.0	0.0	0.0	3.0	-	-	-	-	-
107.0	75.0	-	-	-	-	3.0	2.6	0.0	-	-	-	-	-
107.0	80.0	-	-	-	0.0	5.7	0.0	3.3	-	-	-	-	-
107.0	85.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
107.0	90.0	-	-	-	-	3.0	2.5	2.6	-	-	-	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	6.2	5.8	-	-	0.0	-	0.0
110.0	45.0	-	-	-	-	8.8	4.3	0.0	-	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	11.4	2.6	0.0	-	-	0.0	-	-
110.0	55.0	-	-	-	-	0.0	4.8	2.8	-	-	-	-	-
110.0	60.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	-	-	0.0	-	0.0
110.0	65.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
110.0	70.0	0.0	2.8	0.0	0.0	6.2	2.5	2.6	-	-	0.0	-	0.0
110.0	80.0	0.0	0.0	8.9	3.5	0.0	3.0	2.6	-	-	2.9	-	0.0
110.0	90.0	-	-	3.5	3.1	0.0	0.0	0.0	-	-	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	-	-	0.0	-	0.0
113.0	45.0	-	0.0	0.0	0.0	15.9	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	0.0	0.0	3.2	2.8	3.1	3.3	-	-	-	-	0.0
113.0	60.0	0.0	0.0	0.0	1.4	0.0	0.0	2.6	-	-	-	-	0.0
113.0	65.0	-	-	-	-	0.0	5.2	0.0	-	-	-	-	-
113.0	70.0	-	0.0	3.9	0.0	0.0	0.0	0.0	-	-	-	-	0.0
113.0	75.0	-	-	-	-	3.0	0.0	5.3	-	-	-	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	-	-	0.0	-	0.0
117.0	40.0	0.0	0.0	0.0	2.6	3.3	2.7	0.0	-	-	0.0	-	0.0
117.0	45.0	-	0.0	0.0	0.0	4.9	0.0	0.0	-	-	-	-	-
117.0	50.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	-	-	-	-	0.0
117.0	55.0	-	0.0	0.0	0.0	3.2	3.0	2.5	-	-	-	-	-
117.0	60.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	-	-	-	-	0.0
117.0	75.0	-	-	-	-	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.
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.3	-	0.0
120.0	50.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	-	-	0.0	-	0.0
120.0	60.0	0.0	0.0	0.0	1.3	-	0.0	0.0	-	-	2.7	-	0.0
120.0	70.0	0.0	3.1	0.0	1.3	0.0	0.0	0.0	-	-	2.0	-	2.5
120.0	80.0	9.5	2.4	0.0	0.0	16.4	0.0	0.0	-	-	0.0	-	-
120.0	90.0	0.0	0.0	0.0	-	-	-	-	-	-	8.0	-	-
120.0	100.0	0.0	2.8	0.0	-	-	-	-	-	-	-	-	-
123.0	45.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	-	-	-	-	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	8.9	-	0.0
123.0	55.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-	-	-	-	0.0
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	0.0	-	0.0
127.0	60.0	-	-	5.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
130.0	35.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	-	0.0
130.0	50.0	0.0	2.7	0.0	2.6	0.0	0.0	2.8	-	-	0.0	-	0.0
130.0	60.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	-	-	0.0	-	-
140.0	50.0	-	-	2.9	-	-	-	-	-	-	-	-	-
147.0	20.0	0.0	2.8	0.0	-	-	-	-	-	-	-	-	0.0
147.0	25.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	2.8
150.0	30.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	2.7
150.0	40.0	-	-	2.5	-	-	-	-	-	-	-	-	-

Poromitra spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	80.0	-	-	-	-	-	6.5	0.0	-	-	0.0	-	-
80.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	0.0	-	0.0
110.0	90.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	2.7	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	0.0	-	0.0

Scopelogadus bispinosus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	90.0	-	-	-	0.0	0.0	0.0	0.0	-	-	2.9	-	0.0
90.0	90.0	-	-	0.0	0.0	0.0	-	0.0	-	-	2.5	-	-
103.0	90.0	-	-	-	-	-	0.0	3.4	-	-	-	-	-
107.0	70.0	-	-	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	0.0	-	0.0
113.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	-	-	-	-	0.0

TABLE 4. (cont.)

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	0.0	0.0	0.0	2.5	–	–	–	–	0.0
130.0	60.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–

Syngnathus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	0.0	–	0.0	0.0	0.0	3.5	0.0	–	–	0.0	0.0	–
90.0	28.0	0.0	2.5	0.0	–	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	–	–	0.0	–	0.0
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	6.8	–	0.0
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	–	–	–	–	0.0
120.0	45.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0

Agonidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	–	–	–	–	0.0	0.0	0.0	–	–	2.2	–	–
80.0	51.0	0.0	–	0.0	0.0	0.0	0.0	2.5	–	–	0.0	0.0	–
80.0	55.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
83.0	43.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	28.0	0.0	0.0	1.8	–	0.0	0.0	0.0	–	–	0.0	–	0.0
97.0	30.0	0.0	0.0	0.0	2.5	–	2.5	0.0	–	–	0.0	–	0.0
110.0	35.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–	0.0	–	0.0
113.0	30.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	–	–	0.0	–	0.0
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	–	–	0.0	–	0.0

Cottidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	–	–	–	–	9.5	4.5	2.5	–	–	2.2	–	–
63.0	55.0	–	–	–	–	0.0	12.6	0.0	–	–	0.0	–	–
70.0	55.0	–	–	–	–	3.0	0.0	0.0	–	–	0.0	–	–
73.0	50.0	–	–	–	–	–	0.0	0.0	–	–	2.9	–	–
80.0	51.0	2.7	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	55.0	3.1	0.0	0.0	0.0	2.8	0.0	0.0	–	–	0.0	0.0	–
83.0	40.0	0.0	0.0	0.0	–	–	1.5	0.0	–	–	0.0	–	0.0
83.0	51.0	0.0	5.5	30.2	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	50.0	23.1	0.0	0.0	2.4	0.0	6.0	0.0	–	–	0.0	–	0.0
90.0	60.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	40.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
97.0	30.0	0.0	0.0	0.0	0.0	–	58.2	0.0	–	–	9.8	–	0.0
97.0	32.0	0.0	0.0	0.0	0.0	–	1.6	0.0	–	–	0.0	–	0.0
100.0	29.0	2.9	0.0	3.0	10.2	–	0.0	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Cottidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	30.0	0.0	0.0	0.0	2.5	-	1.6	0.0	-	-	0.0	-	0.0
103.0	30.0	2.2	2.3	0.0	10.0	-	4.0	0.0	-	-	0.0	-	1.7
103.0	35.0	0.0	0.0	3.3	0.0	-	0.0	0.0	-	-	0.0	-	0.0
110.0	33.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
110.0	35.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
113.0	30.0	0.0	0.0	0.0	0.0	9.6	0.0	5.3	-	-	0.0	-	4.9
113.0	35.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	2.1
117.0	35.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
117.0	40.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
120.0	25.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	-	-	-	-	0.0
120.0	27.0	-	-	-	-	0.0	4.4	-	-	-	2.4	-	-
120.0	30.0	0.0	3.4	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
120.0	35.0	0.0	0.0	0.0	0.0	11.8	0.0	0.0	-	-	0.0	-	0.0
120.0	40.0	0.0	5.3	0.0	0.0	0.0	5.9	0.0	-	-	-	-	0.0
120.0	45.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	-	-	0.0	-	0.0
123.0	37.0	0.0	3.3	4.0	0.0	-	0.0	7.0	-	-	0.0	-	0.0
123.0	40.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
130.0	30.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
130.0	35.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0

Scorpaenichthys marmoratus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	50.0	-	-	-	-	0.0	0.0	0.0	-	-	2.8	-	-
80.0	55.0	3.1	6.5	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
93.0	27.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0

Cyclopteridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	50.0	-	-	-	-	-	0.0	11.8	-	-	0.0	-	-
97.0	30.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	2.5	-	0.0
100.0	29.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	4.6	-	0.0
110.0	33.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	-	-	0.0	-	0.0
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	-	-	0.0	-	0.0

Ophiodon elongatus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	27.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
97.0	30.0	1.9	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0

TABLE 4. (cont.)

Zaniolepis spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	26.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	6.4
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	5.1
120.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	1.6

Sebastes spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	55.0	–	–	–	–	–	132.6	–	–	–	5.8	–	–
60.0	60.0	–	–	–	–	–	47.0	–	–	–	6.4	–	–
60.0	70.0	–	–	–	–	–	26.2	–	–	–	5.6	–	–
60.0	80.0	–	–	–	–	–	23.6	–	–	–	11.6	–	–
60.0	90.0	–	–	–	–	–	0.0	–	–	–	6.1	–	–
63.0	52.0	–	–	–	–	15.8	26.9	167.6	–	–	6.6	–	–
63.0	55.0	–	–	–	–	2.3	25.1	1220.2	–	–	32.3	–	–
63.0	65.0	–	–	–	–	5.3	0.0	80.6	–	–	–	–	–
67.0	50.0	–	–	–	–	20.9	16.4	6.1	–	–	10.0	–	–
67.0	55.0	–	–	–	–	0.0	13.6	249.4	–	–	15.5	–	–
67.0	65.0	–	–	–	–	0.0	5.7	51.8	–	–	–	–	–
70.0	52.0	–	–	–	–	10.6	10.6	25.8	–	–	14.7	–	–
70.0	55.0	–	–	–	–	24.0	0.0	23.3	–	–	16.9	–	–
70.0	60.0	–	–	–	–	35.3	0.0	52.3	–	–	0.0	–	–
70.0	70.0	–	–	–	–	0.0	12.6	9.3	–	–	0.0	–	–
70.0	90.0	–	–	–	–	–	0.0	6.7	–	–	0.0	–	–
73.0	50.0	–	–	–	–	–	6.4	0.0	–	–	5.8	–	–
73.0	60.0	–	–	–	–	–	16.1	9.6	–	–	0.0	–	–
73.0	70.0	–	–	–	–	–	17.9	0.0	–	–	–	–	–
73.0	80.0	–	–	–	–	–	0.0	25.0	–	–	–	–	–
73.0	90.0	–	–	–	–	–	6.9	0.0	–	–	–	–	–
77.0	50.0	–	–	–	–	0.0	6.3	0.0	–	–	16.9	–	–
77.0	55.0	–	–	–	–	21.8	57.6	122.1	–	–	0.0	–	–
77.0	65.0	–	–	–	–	0.0	9.4	17.2	–	–	–	–	–
77.0	70.0	–	–	–	–	0.0	0.0	48.4	–	–	–	–	–
77.0	80.0	–	–	–	–	0.0	0.0	32.8	–	–	–	–	–
77.0	90.0	–	–	–	–	10.8	2.6	0.0	–	–	–	–	–
80.0	51.0	57.5	–	53.0	40.8	10.9	0.0	2.5	–	–	0.0	4.8	–
80.0	55.0	102.6	691.2	34.9	52.5	27.6	32.9	9.5	–	–	0.0	17.2	–
80.0	60.0	22.3	198.0	9.5	214.2	22.6	23.2	29.4	–	–	0.0	7.7	–
80.0	70.0	2.7	5.3	91.4	24.0	27.4	5.9	6.6	–	–	0.0	0.0	–
80.0	80.0	0.0	11.4	57.0	27.9	11.2	5.2	0.0	–	–	0.0	–	2.5
80.0	90.0	–	–	–	2.7	0.0	12.8	13.9	–	–	0.0	–	2.8
83.0	40.0	8.5	43.9	6.3	–	–	0.0	6.2	–	–	3.8	–	2.2
83.0	43.0	144.8	609.6	132.2	42.3	24.4	18.4	0.0	–	–	2.8	–	5.4
83.0	51.0	151.2	518.9	12.1	86.7	3.0	12.2	2.7	–	–	70.3	–	37.1
83.0	55.0	–	–	–	–	–	6.1	5.8	–	–	–	–	–

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	60.0	75.1	407.0	150.1	133.3	15.6	21.7	0.0	–	–	2.8	–	11.6
83.0	65.0	–	–	–	–	–	10.0	40.6	–	–	–	–	–
83.0	70.0	–	–	–	24.7	–	42.3	12.0	–	–	–	–	–
83.0	75.0	–	–	–	–	–	20.8	–	–	–	–	–	–
83.0	80.0	–	–	–	3.0	–	66.2	–	–	–	–	–	–
83.0	85.0	–	–	–	–	–	12.5	–	–	–	–	–	–
83.0	90.0	–	–	–	0.0	–	11.6	–	–	–	–	–	–
87.0	35.0	235.0	142.9	142.2	33.6	12.3	5.9	50.2	–	–	7.1	–	0.0
87.0	40.0	379.0	23.4	119.7	92.0	9.6	2.5	4.6	–	–	2.8	–	4.5
87.0	45.0	–	–	–	–	14.2	31.1	0.0	–	–	2.6	–	–
87.0	50.0	1037.5	122.5	9.6	458.9	39.1	54.2	0.0	–	–	114.9	–	75.1
87.0	55.0	–	–	–	–	99.9	24.7	0.0	–	–	–	–	–
87.0	60.0	172.3	36.6	–	325.5	34.1	43.3	0.0	–	–	14.9	–	6.2
87.0	65.0	–	–	–	–	–	12.8	22.0	–	–	–	–	–
87.0	70.0	–	–	–	72.7	–	14.8	11.1	–	–	–	–	–
87.0	75.0	–	–	–	–	–	17.4	–	–	–	–	–	–
87.0	80.0	–	–	–	0.0	–	6.5	–	–	–	–	–	–
87.0	90.0	–	–	–	3.0	–	0.0	–	–	–	–	–	–
90.0	28.0	24.7	95.8	11.0	–	2.7	0.0	33.1	–	–	2.6	–	0.0
90.0	30.0	11.3	360.8	5.5	38.4	26.0	6.0	1.9	–	–	7.4	–	2.4
90.0	37.0	87.4	118.8	65.5	58.6	2.7	8.0	0.0	–	–	2.5	–	2.6
90.0	45.0	67.3	25.0	17.5	29.0	52.8	0.0	3.2	–	–	0.0	–	0.0
90.0	50.0	649.9	–	11.5	109.8	52.2	96.0	4.2	–	–	–	–	–
90.0	55.0	–	–	–	–	88.8	78.7	5.4	–	–	0.0	–	11.4
90.0	60.0	5.4	38.2	46.6	51.3	72.9	13.3	8.4	–	–	0.0	–	2.7
90.0	65.0	–	–	–	–	45.8	13.8	0.0	–	–	–	–	–
90.0	70.0	14.3	25.8	0.0	0.0	45.5	0.0	0.0	–	–	0.0	–	5.4
90.0	80.0	–	–	0.0	3.5	0.0	–	0.0	–	–	0.0	–	0.0
93.0	27.0	72.9	50.8	36.8	18.8	3.2	15.8	56.6	–	–	0.0	–	12.8
93.0	30.0	6.9	45.2	14.4	0.0	24.2	0.0	5.8	–	–	0.0	–	2.5
93.0	35.0	–	–	–	–	9.1	9.3	2.0	–	–	–	–	–
93.0	40.0	3.0	0.0	13.5	9.7	28.1	0.0	0.0	–	–	0.0	–	18.2
93.0	45.0	–	–	–	–	25.0	5.8	2.4	–	–	–	–	–
93.0	50.0	11.9	0.0	0.0	15.4	98.6	5.6	0.0	–	–	0.0	–	0.0
93.0	55.0	–	–	–	–	3.1	5.0	5.1	–	–	–	–	–
93.0	60.0	–	–	2.7	22.7	0.0	2.7	0.0	–	–	0.0	–	–
93.0	65.0	–	–	–	–	0.0	–	17.0	–	–	–	–	–
93.0	70.0	–	–	3.5	23.6	14.9	20.5	2.7	–	–	–	–	–
93.0	75.0	–	–	–	–	5.9	5.5	8.3	–	–	–	–	–
93.0	80.0	–	–	–	19.7	0.0	0.0	0.0	–	–	–	–	–
93.0	95.0	–	–	–	–	2.8	–	–	–	–	–	–	–
97.0	30.0	239.9	65.8	16.0	2.5	–	15.3	15.5	–	–	0.0	–	0.0
97.0	32.0	54.4	443.7	18.4	6.2	–	9.1	0.0	–	–	2.7	–	0.0
97.0	35.0	–	–	–	–	–	2.7	9.4	–	–	–	–	–
97.0	40.0	0.0	100.2	4.5	5.0	–	7.5	0.0	–	–	0.0	–	0.0
97.0	45.0	–	–	–	–	–	3.3	6.0	–	–	–	–	–

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	50.0	0.0	3.1	0.0	13.7	-	14.8	0.0	-	-	0.0	-	0.0
97.0	55.0	-	-	-	-	-	6.7	6.4	-	-	-	-	-
97.0	60.0	-	-	0.0	12.0	-	0.0	2.9	-	-	0.0	-	-
97.0	65.0	-	-	-	-	-	3.7	0.0	-	-	-	-	-
97.0	70.0	-	-	0.0	6.4	-	7.0	0.0	-	-	-	-	-
97.0	75.0	-	-	-	-	-	6.1	0.0	-	-	-	-	-
97.0	80.0	-	-	-	2.8	-	4.2	6.1	-	-	-	-	-
97.0	85.0	-	-	-	-	-	7.5	5.7	-	-	-	-	-
97.0	90.0	-	-	-	0.0	-	3.5	0.0	-	-	-	-	-
100.0	29.0	81.5	164.0	170.2	34.0	-	9.9	0.0	-	-	0.0	-	0.0
100.0	30.0	79.4	53.0	90.8	25.0	-	14.7	0.0	-	-	6.4	-	46.2
100.0	35.0	-	-	-	-	-	1.5	2.8	-	-	-	-	-
100.0	40.0	8.9	0.0	10.5	34.2	-	10.2	2.3	-	-	0.0	-	0.0
100.0	45.0	-	-	-	-	-	9.1	0.0	-	-	-	-	-
100.0	50.0	0.0	0.0	3.0	15.8	-	6.7	0.0	-	-	-	-	2.3
100.0	55.0	-	-	-	-	-	4.8	0.0	-	-	-	-	-
100.0	60.0	3.5	18.1	3.4	0.0	-	3.2	0.0	-	-	0.0	-	0.0
100.0	70.0	0.0	0.0	0.0	0.0	-	0.0	2.9	-	-	0.0	-	0.0
100.0	80.0	0.0	0.0	0.0	0.0	-	0.0	2.9	-	-	0.0	-	0.0
100.0	85.0	-	-	-	-	-	6.5	0.0	-	-	-	-	-
103.0	30.0	159.1	191.1	68.5	15.1	-	17.1	0.0	-	-	8.1	-	1.7
103.0	35.0	11.6	123.9	39.6	4.2	-	8.5	2.9	-	-	5.7	-	45.2
103.0	40.0	0.0	0.0	9.0	8.0	-	0.0	2.7	-	-	6.6	-	0.0
103.0	45.0	-	-	-	0.0	-	5.9	13.3	-	-	-	-	-
103.0	50.0	0.0	0.0	0.0	0.0	-	1.6	0.0	-	-	-	-	0.0
103.0	55.0	-	-	-	3.0	-	3.2	0.0	-	-	-	-	-
103.0	60.0	0.0	2.9	0.0	1.4	-	8.6	0.0	-	-	-	-	0.0
103.0	75.0	-	-	-	0.0	-	4.7	0.0	-	-	-	-	-
103.0	80.0	-	-	-	0.0	-	1.5	0.0	-	-	-	-	-
107.0	32.0	144.7	89.1	80.6	29.1	-	13.2	2.8	-	-	0.0	-	24.4
107.0	35.0	3.2	65.8	38.0	78.0	-	6.2	0.0	-	-	1.9	-	0.0
107.0	40.0	9.2	0.0	5.8	8.5	-	5.6	2.6	-	-	0.0	-	0.0
107.0	45.0	-	-	-	-	9.2	5.6	0.0	-	-	-	-	-
107.0	50.0	0.0	0.0	3.5	0.0	3.1	3.2	3.0	-	-	-	-	0.0
110.0	33.0	245.6	212.4	358.1	47.1	44.6	5.2	0.0	-	-	0.0	-	37.1
110.0	35.0	49.5	70.6	140.3	8.0	27.6	6.3	0.0	-	-	0.0	-	41.1
110.0	40.0	0.0	16.3	0.0	0.0	19.1	0.0	0.0	-	-	0.0	-	0.0
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	-	-	2.4	-	-
110.0	55.0	-	-	-	-	0.0	2.4	2.8	-	-	-	-	-
110.0	70.0	21.6	0.0	0.0	2.6	0.0	0.0	0.0	-	-	0.0	-	0.0
110.0	80.0	6.2	0.0	8.9	0.0	0.0	0.0	0.0	-	-	2.9	-	6.0
113.0	30.0	499.5	291.2	122.2	11.8	9.6	0.0	5.3	-	-	0.0	-	205.8
113.0	35.0	23.2	293.9	249.3	33.9	0.0	0.0	3.2	-	-	3.7	-	12.7
113.0	40.0	13.7	14.9	25.2	53.2	0.0	0.0	0.0	-	-	0.0	-	2.7
113.0	45.0	-	3.1	12.9	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0	50.0	5.5	3.7	15.7	0.0	0.0	0.0	0.0	-	-	-	-	0.0

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	55.0	–	0.0	6.6	0.0	0.0	0.0	0.0	–	–	–	–	–
113.0	60.0	0.0	0.0	3.5	8.4	0.0	0.0	0.0	–	–	–	–	0.0
113.0	70.0	–	0.0	0.0	18.2	0.0	0.0	0.0	–	–	–	–	0.0
117.0	26.0	220.3	89.3	78.5	0.0	37.3	8.0	4.4	–	–	0.0	–	5.9
117.0	30.0	168.2	47.2	119.3	10.2	25.3	5.8	3.3	–	–	0.0	–	0.0
117.0	35.0	31.7	150.8	10.8	16.1	16.1	0.0	0.0	–	–	6.8	–	6.4
117.0	40.0	50.7	112.0	248.6	198.0	148.1	13.3	0.0	–	–	0.0	–	0.0
117.0	45.0	–	6.9	32.3	21.5	14.7	5.8	0.0	–	–	–	–	–
117.0	50.0	16.0	6.3	0.0	7.3	0.0	7.0	0.0	–	–	–	–	0.0
117.0	55.0	–	0.0	8.3	143.5	0.0	0.0	0.0	–	–	–	–	–
117.0	60.0	3.7	0.0	3.8	5.5	0.0	0.0	0.0	–	–	–	–	0.0
117.0	70.0	–	0.0	0.0	108.8	0.0	0.0	0.0	–	–	–	–	0.0
120.0	25.0	77.1	5.8	0.0	0.0	11.1	0.0	0.0	–	–	–	–	0.0
120.0	27.0	–	–	–	–	0.0	17.8	–	–	–	0.0	–	–
120.0	30.0	118.9	17.1	38.3	0.0	9.1	12.7	33.2	–	–	4.0	–	0.0
120.0	35.0	17.5	36.6	3.5	14.8	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	40.0	9.3	10.7	10.8	0.0	0.0	2.0	0.0	–	–	–	–	0.0
120.0	45.0	30.8	2.2	39.4	84.1	0.0	29.6	0.0	–	–	0.0	–	2.9
120.0	50.0	0.0	0.0	2.8	57.3	0.0	12.0	0.0	–	–	0.0	–	0.0
120.0	55.0	–	0.0	15.1	3.4	11.3	0.0	0.0	–	–	–	–	2.7
120.0	60.0	0.0	0.0	0.0	5.7	–	0.0	0.0	–	–	0.0	–	0.0
120.0	65.0	–	–	–	11.3	–	–	–	–	–	–	–	–
120.0	70.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	–	–	2.0	–	0.0
120.0	90.0	0.0	2.2	0.0	–	–	–	–	–	–	0.0	–	–
120.0	100.0	0.0	0.0	2.8	–	–	–	–	–	–	–	–	–
123.0	37.0	211.5	100.2	147.5	92.5	–	0.0	0.0	–	–	0.0	–	7.9
123.0	40.0	153.4	13.6	34.1	52.1	14.7	8.5	0.0	–	–	8.9	–	10.4
123.0	45.0	6.4	0.0	23.5	10.8	14.3	0.0	8.9	–	–	–	–	–
123.0	50.0	3.1	0.0	3.5	1.3	0.0	0.0	3.0	–	–	0.0	–	0.0
123.0	55.0	3.4	0.0	2.7	0.0	0.0	11.5	7.7	–	–	–	–	0.0
123.0	60.0	–	–	13.5	0.0	16.4	0.0	0.0	–	–	0.0	–	–
127.0	34.0	130.5	7.3	5.3	17.4	27.6	0.0	0.0	–	–	4.4	–	0.0
127.0	40.0	14.9	4.4	2.3	0.0	2.4	11.3	0.0	–	–	0.0	–	0.0
127.0	45.0	0.0	20.3	0.0	0.0	5.1	0.0	0.0	–	–	–	–	–
127.0	50.0	3.0	2.8	0.0	1.8	6.2	0.0	2.8	–	–	2.8	–	2.7
127.0	55.0	0.0	2.2	0.0	0.0	0.0	0.0	2.4	–	–	–	–	0.0
127.0	60.0	–	–	2.8	0.0	0.0	0.0	0.0	–	–	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	–	–	0.0	–	0.0
130.0	35.0	0.0	26.8	5.7	77.8	0.0	3.8	0.0	–	–	0.0	–	0.0
130.0	40.0	0.0	3.1	0.0	17.1	24.7	3.3	0.0	–	–	0.0	–	0.0
133.0	25.0	0.0	–	1.8	0.0	0.0	6.0	0.0	–	–	0.0	–	0.0
133.0	30.0	2.6	7.8	176.1	0.0	2.9	0.0	0.0	–	–	0.0	–	0.0
133.0	40.0	0.0	0.0	42.8	0.0	–	9.9	2.6	–	–	–	–	0.0
137.0	23.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	–	–	0.0	–	0.0
137.0	30.0	0.0	0.0	6.5	0.0	0.0	7.3	8.0	–	–	0.0	–	0.0
137.0	40.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	–	–	–	–	0.0

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	50.0	–	–	0.0	0.0	0.0	1.8	0.0	–	–	–	–	–
140.0	35.0	0.0	0.0	17.9	–	–	–	–	–	–	–	–	0.0
147.0	25.0	2.9	0.0	0.0	–	–	–	–	–	–	–	–	0.0
157.0	30.0	0.0	2.7	0.0	–	–	–	–	–	–	–	–	–

Hypsoblennius spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	51.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–	0.0	–	0.0
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–	0.0	–	0.0
87.0	40.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	–	–	0.0	–	0.0
87.0	45.0	–	–	–	–	0.0	0.0	0.0	–	–	2.6	–	–
90.0	28.0	0.0	0.0	0.0	–	0.0	10.1	5.5	–	–	0.0	–	0.0
90.0	50.0	0.0	–	0.0	0.0	0.0	2.9	0.0	–	–	–	–	–
97.0	30.0	0.0	0.0	0.0	0.0	–	5.1	0.0	–	–	0.0	–	0.0
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	–	–	0.0	–	0.0
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.1	–	0.0
120.0	50.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	–	–	0.0	–	0.0
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	–	–	0.0	–	0.0
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	–	–	0.0	–	0.0
147.0	25.0	5.9	0.0	0.0	–	–	–	–	–	–	–	–	0.0

Clinidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	50.0	0.0	0.0	0.0	7.2	0.0	12.0	0.0	–	–	0.0	–	0.0
103.0	30.0	11.1	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	7.0
107.0	32.0	0.0	3.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
110.0	33.0	21.4	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	30.0	0.0	0.0	0.0	3.9	9.6	3.1	0.0	–	–	0.0	–	0.0
113.0	35.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	–	–	0.0	–	0.0
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	5.4
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	5.1
120.0	40.0	18.6	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	9.8
127.0	34.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0

Gobiidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	–	–	–	–	0.0	0.0	0.0	–	–	15.3	–	–
73.0	60.0	–	–	–	–	–	5.4	0.0	–	–	11.5	–	–
80.0	80.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	–	–	0.0	–	0.0
83.0	43.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Gobiidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	51.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–	2.8	–	0.0
83.0	70.0	–	–	–	2.7	–	0.0	0.0	–	–	–	–	–
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–	0.0	–	0.0
87.0	40.0	0.0	0.0	0.0	2.4	0.0	0.0	2.3	–	–	2.8	–	0.0
87.0	50.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	55.0	–	–	–	–	2.6	0.0	0.0	–	–	–	–	–
90.0	28.0	0.0	0.0	3.7	–	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	30.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	37.0	0.0	0.0	0.0	2.8	0.0	0.0	3.2	–	–	0.0	–	0.0
90.0	45.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	30.0	0.0	0.0	0.0	0.0	12.1	0.0	0.0	–	–	0.0	–	0.0
93.0	60.0	–	–	2.7	2.8	3.1	0.0	0.0	–	–	0.0	–	–
97.0	30.0	0.0	0.0	0.0	0.0	–	5.1	0.0	–	–	0.0	–	0.0
97.0	35.0	–	–	–	–	–	1.4	0.0	–	–	–	–	–
97.0	40.0	0.0	0.0	0.0	0.0	–	1.5	0.0	–	–	0.0	–	0.0
97.0	55.0	–	–	–	–	–	0.0	6.4	–	–	–	–	–
100.0	29.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	4.6	–	0.0
100.0	30.0	0.0	0.0	0.0	2.5	–	0.0	0.0	–	–	0.0	–	0.0
100.0	50.0	0.0	0.0	0.0	0.0	–	1.9	0.0	–	–	–	–	0.0
103.0	30.0	2.2	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	0.0	0.0	–	1.4	0.0	–	–	0.0	–	0.0
107.0	32.0	4.0	0.0	0.0	0.0	–	0.0	0.0	–	–	2.6	–	0.0
107.0	35.0	0.0	0.0	0.0	0.0	–	6.2	0.0	–	–	0.0	–	0.0
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	–	–	0.0	–	0.0
110.0	35.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	60.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	35.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	55.0	–	0.0	9.8	0.0	0.0	0.0	0.0	–	–	–	–	–
117.0	26.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.9	–	2.9
117.0	35.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	50.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
120.0	27.0	–	–	–	–	0.0	4.4	–	–	–	0.0	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.0	–	10.8
120.0	45.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	–	–	0.0	–	0.0
120.0	60.0	0.0	0.0	2.9	0.0	–	0.0	0.0	–	–	0.0	–	0.0
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.3	–	0.0
143.0	26.0	2.3	0.0	0.0	–	–	–	–	–	–	–	–	2.3
153.0	20.0	0.0	2.9	0.0	–	–	–	–	–	–	–	–	–

Labridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	52.0	–	–	–	–	0.0	0.0	0.0	–	–	8.8	–	–
70.0	55.0	–	–	–	–	0.0	0.0	0.0	–	–	5.6	–	–
80.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	2.5

TABLE 4. (cont.)

Labridae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	90.0	-	-	-	0.0	0.0	0.0	5.5	-	-	0.0	-	0.0
83.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	-	-	0.0	-	0.0
83.0	51.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	-	-	0.0	-	0.0
87.0	35.0	0.0	0.0	0.0	0.0	0.0	11.7	10.6	-	-	0.0	-	0.0
90.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	-	-	0.0	-	0.0
90.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	-	-	0.0	-	0.0
90.0	50.0	0.0	-	0.0	0.0	0.0	8.7	0.0	-	-	-	-	-
90.0	55.0	-	-	-	-	0.0	33.7	0.0	-	-	0.0	-	0.0
90.0	60.0	0.0	0.0	0.0	0.0	0.0	13.3	5.6	-	-	0.0	-	0.0
93.0	70.0	-	-	0.0	0.0	0.0	0.0	2.7	-	-	-	-	-
97.0	30.0	0.0	0.0	0.0	0.0	-	3.8	0.0	-	-	0.0	-	0.0
97.0	32.0	0.0	0.0	0.0	0.0	-	2.7	0.0	-	-	0.0	-	0.0
97.0	35.0	-	-	-	-	-	1.3	3.1	-	-	-	-	-
97.0	55.0	-	-	-	-	-	22.7	0.0	-	-	-	-	-
97.0	70.0	-	-	0.0	0.0	-	0.0	3.4	-	-	-	-	-
97.0	75.0	-	-	-	-	-	0.0	10.9	-	-	-	-	-
100.0	35.0	-	-	-	-	-	1.5	0.0	-	-	-	-	-
100.0	40.0	0.0	0.0	0.0	0.0	-	0.0	2.3	-	-	0.0	-	0.0
100.0	45.0	-	-	-	-	-	7.4	0.0	-	-	-	-	-
100.0	50.0	0.0	0.0	0.0	0.0	-	84.7	2.5	-	-	-	-	0.0
100.0	70.0	0.0	0.0	0.0	0.0	-	0.0	2.9	-	-	0.0	-	0.0
100.0	80.0	0.0	0.0	0.0	0.0	-	6.1	0.0	-	-	0.0	-	0.0
100.0	90.0	-	-	0.0	0.0	-	0.0	6.0	-	-	-	-	-
103.0	35.0	0.0	0.0	0.0	0.0	-	0.0	2.9	-	-	0.0	-	0.0
103.0	40.0	0.0	0.0	0.0	0.0	-	1.4	0.0	-	-	0.0	-	0.0
103.0	45.0	-	-	-	0.0	-	3.0	0.0	-	-	-	-	-
103.0	50.0	0.0	0.0	0.0	0.0	-	0.0	6.4	-	-	-	-	0.0
103.0	80.0	-	-	-	0.0	-	1.5	0.0	-	-	-	-	-
107.0	50.0	0.0	0.0	0.0	0.0	6.2	3.2	0.0	-	-	-	-	0.0
107.0	55.0	-	-	-	-	2.7	0.0	0.0	-	-	-	-	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	-	-	0.0	-	0.0
110.0	45.0	-	-	-	-	0.0	2.2	0.0	-	-	-	-	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	-	0.0
110.0	80.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	-	-	0.0	-	0.0
113.0	55.0	-	0.0	0.0	0.0	0.0	0.0	5.1	-	-	-	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	4.8	-	0.0
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	6.8	-	0.0
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.3	-	0.0
120.0	27.0	-	-	-	-	0.0	0.0	-	-	-	2.4	-	-
120.0	40.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	-	-	-	-	0.0
120.0	45.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	-	-	0.0	-	0.0
123.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
123.0	60.0	-	-	0.0	0.0	0.0	0.0	11.0	-	-	0.0	-	-
127.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	-	-	0.0	-	0.0
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.4	-	0.0
137.0	30.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	-	-	0.0	-	0.0

TABLE 4. (cont.)

Labridae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
157.0	10.0	0.0	0.0	3.2	–	–	–	–	–	–	–	–	–
157.0	20.0	2.8	0.0	0.0	–	–	–	–	–	–	–	–	–

Chromis punctipinnis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	70.0	–	–	0.0	0.0	0.0	0.0	6.0	–	–	–	–	–
110.0	85.0	–	–	–	–	0.0	0.0	2.9	–	–	–	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	–	–	0.0	–	0.0
113.0	80.0	–	–	–	0.0	0.0	0.0	2.7	–	–	–	–	–

Brama spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	75.0	–	–	–	–	0.0	0.0	2.7	–	–	–	–	–
110.0	70.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–	0.0	–	0.0

Seriola lalandi

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	–	–	–	–	0.0
137.0	50.0	–	–	0.0	0.0	0.0	0.0	5.5	–	–	–	–	–

Trachurus symmetricus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	–	–	–	–	–	15.7	–	–	–	0.0	–	–
63.0	65.0	–	–	–	–	0.0	42.6	53.8	–	–	–	–	–
67.0	50.0	–	–	–	–	0.0	0.0	3.1	–	–	0.0	–	–
67.0	65.0	–	–	–	–	0.0	22.7	64.8	–	–	–	–	–
70.0	55.0	–	–	–	–	0.0	0.0	23.3	–	–	0.0	–	–
70.0	60.0	–	–	–	–	0.0	0.0	13.1	–	–	0.0	–	–
70.0	70.0	–	–	–	–	0.0	6.3	37.1	–	–	0.0	–	–
70.0	80.0	–	–	–	–	–	0.0	5.9	–	–	0.0	–	–
70.0	90.0	–	–	–	–	–	60.3	8.9	–	–	0.0	–	–
73.0	70.0	–	–	–	–	–	11.9	31.2	–	–	–	–	–
73.0	90.0	–	–	–	–	–	0.0	91.4	–	–	–	–	–
77.0	70.0	–	–	–	–	0.0	55.8	27.7	–	–	–	–	–
77.0	80.0	–	–	–	–	0.0	2.7	10.9	–	–	–	–	–
77.0	90.0	–	–	–	–	0.0	42.2	12.6	–	–	–	–	–
80.0	70.0	0.0	0.0	0.0	0.0	0.0	11.8	45.9	–	–	0.0	0.0	–
80.0	80.0	0.0	0.0	0.0	0.0	0.0	15.7	157.4	–	–	0.0	–	0.0

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	90.0	-	-	-	0.0	3.1	127.6	36.0	-	-	0.0	-	0.0
83.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	-	-	0.0	-	0.0
83.0	55.0	-	-	-	-	-	3.0	0.0	-	-	-	-	-
83.0	60.0	0.0	0.0	0.0	0.0	0.0	259.9	0.0	-	-	0.0	-	0.0
83.0	65.0	-	-	-	-	-	90.4	0.0	-	-	-	-	-
83.0	70.0	-	-	-	0.0	-	489.2	126.4	-	-	-	-	-
83.0	75.0	-	-	-	-	-	546.7	-	-	-	-	-	-
83.0	80.0	-	-	-	3.0	-	92.7	-	-	-	-	-	-
83.0	85.0	-	-	-	-	-	162.2	-	-	-	-	-	-
83.0	90.0	-	-	-	0.0	-	23.3	-	-	-	-	-	-
87.0	35.0	0.0	0.0	0.0	2.8	0.0	0.0	29.0	-	-	0.0	-	0.0
87.0	55.0	-	-	-	-	2.6	6.2	0.0	-	-	-	-	-
87.0	60.0	0.0	0.0	-	2.7	3.1	57.8	0.0	-	-	0.0	-	0.0
87.0	65.0	-	-	-	-	-	67.4	0.0	-	-	-	-	-
87.0	70.0	-	-	-	0.0	-	14.8	127.4	-	-	-	-	-
87.0	75.0	-	-	-	-	-	400.2	-	-	-	-	-	-
87.0	80.0	-	-	-	0.0	-	26.1	-	-	-	-	-	-
87.0	90.0	-	-	-	0.0	-	26.0	-	-	-	-	-	-
90.0	28.0	0.0	0.0	0.0	-	0.0	5.0	8.3	-	-	0.0	-	0.0
90.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	-	-	0.0	-	0.0
90.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	-	-	0.0	-	0.0
90.0	50.0	0.0	-	0.0	0.0	0.0	23.3	0.0	-	-	-	-	-
90.0	55.0	-	-	-	-	0.0	185.5	0.0	-	-	0.0	-	0.0
90.0	60.0	0.0	0.0	0.0	0.0	0.0	312.1	41.8	-	-	0.0	-	0.0
90.0	65.0	-	-	-	-	11.4	941.1	18.0	-	-	-	-	-
90.0	70.0	0.0	0.0	0.0	0.0	3.0	22.0	20.0	-	-	0.0	-	0.0
90.0	75.0	-	-	-	-	6.2	78.0	5.2	-	-	-	-	-
90.0	80.0	-	-	0.0	0.0	3.0	-	71.4	-	-	0.0	-	0.0
90.0	85.0	-	-	-	-	0.0	-	35.1	-	-	-	-	-
90.0	90.0	-	-	0.0	0.0	20.2	-	14.1	-	-	0.0	-	-
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	-	-	0.0	-	0.0
93.0	35.0	-	-	-	-	0.0	9.3	0.0	-	-	-	-	-
93.0	40.0	0.0	0.0	2.7	0.0	0.0	5.9	0.0	-	-	0.0	-	0.0
93.0	45.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
93.0	50.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	-	-	0.0	-	0.0
93.0	55.0	-	-	-	-	12.3	10.0	0.0	-	-	-	-	-
93.0	60.0	-	-	0.0	5.7	3.1	0.0	94.5	-	-	0.0	-	-
93.0	65.0	-	-	-	-	0.0	-	29.7	-	-	-	-	-
93.0	70.0	-	-	3.5	4.7	0.0	430.1	2.7	-	-	-	-	-
93.0	75.0	-	-	-	-	11.8	93.2	13.9	-	-	-	-	-
93.0	80.0	-	-	-	2.8	0.0	24.3	85.1	-	-	-	-	-
93.0	85.0	-	-	-	-	0.0	-	16.5	-	-	-	-	-
93.0	90.0	-	-	-	5.7	2.8	-	0.0	-	-	-	-	-
93.0	95.0	-	-	-	-	28.0	-	-	-	-	-	-	-
97.0	32.0	0.0	0.0	0.0	3.1	-	3.2	2.8	-	-	0.0	-	0.0
97.0	40.0	0.0	0.0	0.0	12.6	-	14.3	0.0	-	-	0.0	-	0.0

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	50.0	0.0	0.0	9.2	2.7	-	5.0	0.0	-	-	0.0	-	0.0
97.0	55.0	-	-	-	-	-	32.8	6.4	-	-	-	-	-
97.0	60.0	-	-	5.3	12.0	-	0.0	2.9	-	-	0.0	-	-
97.0	65.0	-	-	-	-	-	3.7	0.0	-	-	-	-	-
97.0	70.0	-	-	0.0	38.3	-	10.4	0.0	-	-	-	-	-
97.0	80.0	-	-	-	68.4	-	62.6	0.0	-	-	-	-	-
97.0	85.0	-	-	-	-	-	7.5	0.0	-	-	-	-	-
97.0	90.0	-	-	-	4.8	-	17.4	18.4	-	-	-	-	-
100.0	30.0	0.0	0.0	0.0	5.0	-	0.0	0.0	-	-	0.0	-	0.0
100.0	35.0	-	-	-	-	-	1.5	0.0	-	-	-	-	-
100.0	40.0	0.0	0.0	0.0	0.0	-	9.4	0.0	-	-	0.0	-	0.0
100.0	45.0	-	-	-	-	-	13.3	0.0	-	-	-	-	-
100.0	50.0	0.0	0.0	6.0	34.7	-	35.7	0.0	-	-	-	-	0.0
100.0	55.0	-	-	-	-	-	4.8	0.0	-	-	-	-	-
100.0	60.0	0.0	0.0	3.4	52.0	-	12.7	0.0	-	-	0.0	-	0.0
100.0	65.0	-	-	-	-	-	3.0	0.0	-	-	-	-	-
100.0	70.0	0.0	13.8	66.7	25.7	-	0.0	2.9	-	-	0.0	-	0.0
100.0	80.0	0.0	2.9	128.0	52.3	-	9.1	2.9	-	-	2.2	-	0.0
100.0	85.0	-	-	-	-	-	6.5	6.1	-	-	-	-	-
100.0	90.0	-	-	377.4	47.5	-	9.3	30.2	-	-	-	-	-
103.0	35.0	0.0	0.0	0.0	71.7	-	0.0	0.0	-	-	0.0	-	0.0
103.0	40.0	0.0	0.0	0.0	52.5	-	0.0	0.0	-	-	0.0	-	0.0
103.0	45.0	-	-	-	132.6	-	1.4	0.0	-	-	-	-	-
103.0	50.0	0.0	0.0	16.8	28.8	-	9.4	0.0	-	-	-	-	0.0
103.0	55.0	-	-	-	41.9	-	12.9	0.0	-	-	-	-	-
103.0	60.0	0.0	0.0	0.0	63.2	-	5.8	2.8	-	-	-	-	0.0
103.0	65.0	-	-	-	198.0	-	1.7	10.1	-	-	-	-	-
103.0	70.0	-	-	126.9	139.5	-	5.8	5.9	-	-	-	-	-
103.0	75.0	-	-	-	157.9	-	12.1	0.0	-	-	-	-	-
103.0	80.0	-	-	-	212.5	-	3.4	2.8	-	-	-	-	-
103.0	85.0	-	-	-	-	-	8.6	0.0	-	-	-	-	-
103.0	90.0	-	-	-	-	-	7.9	3.4	-	-	-	-	-
107.0	35.0	0.0	0.0	0.0	10.8	-	0.0	0.0	-	-	0.0	-	0.0
107.0	40.0	0.0	3.3	0.0	38.1	-	1.2	0.0	-	-	0.0	-	0.0
107.0	45.0	-	-	-	-	12.2	5.6	0.0	-	-	-	-	-
107.0	50.0	0.0	6.6	27.8	177.5	37.1	0.0	0.0	-	-	-	-	0.0
107.0	55.0	-	-	-	-	2.7	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	41.6	107.6	0.0	10.6	0.0	-	-	-	-	0.0
107.0	65.0	-	-	-	-	24.8	5.6	0.0	-	-	-	-	-
107.0	70.0	-	-	47.7	43.7	6.3	0.0	14.9	-	-	-	-	-
107.0	75.0	-	-	-	-	6.1	7.8	21.9	-	-	-	-	-
107.0	80.0	-	-	-	21.3	51.5	2.9	19.7	-	-	-	-	-
107.0	85.0	-	-	-	-	24.7	3.2	0.0	-	-	-	-	-
107.0	90.0	-	-	-	-	12.0	4.9	0.0	-	-	-	-	-
110.0	33.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	-	-	0.0	-	0.0
110.0	35.0	0.0	0.0	0.0	16.0	0.0	6.3	0.0	-	-	0.0	-	0.0

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	45.0	–	–	–	–	17.6	2.2	3.2	–	–	–	–	–
110.0	50.0	0.0	0.0	22.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	55.0	–	–	–	–	5.2	7.2	0.0	–	–	–	–	–
110.0	60.0	0.0	0.0	10.1	73.7	3.2	12.6	5.3	–	–	0.0	–	0.0
110.0	65.0	–	–	–	–	12.3	55.9	0.0	–	–	–	–	–
110.0	70.0	0.0	0.0	3.3	13.2	21.6	2.5	2.6	–	–	0.0	–	0.0
110.0	75.0	–	–	–	–	32.0	2.5	0.0	–	–	–	–	–
110.0	80.0	0.0	302.4	47.2	15.4	8.2	12.1	0.0	–	–	0.0	–	0.0
110.0	85.0	–	–	–	–	48.8	8.4	0.0	–	–	–	–	–
110.0	90.0	–	–	38.1	42.8	7.9	20.2	2.8	–	–	0.0	–	–
113.0	35.0	0.0	0.0	0.0	0.0	10.0	9.0	0.0	–	–	0.0	–	0.0
113.0	40.0	0.0	0.0	0.0	0.0	3.3	24.6	0.0	–	–	0.0	–	0.0
113.0	45.0	–	0.0	0.0	63.8	38.0	24.0	0.0	–	–	–	–	–
113.0	50.0	0.0	0.0	0.0	67.0	50.9	6.1	0.0	–	–	–	–	0.0
113.0	55.0	–	0.0	0.0	11.5	12.1	0.0	5.1	–	–	–	–	–
113.0	60.0	0.0	20.1	0.0	34.3	0.0	0.0	0.0	–	–	–	–	0.0
113.0	70.0	–	61.2	0.0	21.8	0.0	0.0	6.0	–	–	–	–	0.0
113.0	75.0	–	–	–	–	5.9	2.9	5.3	–	–	–	–	–
113.0	80.0	–	–	–	22.1	71.7	16.1	2.7	–	–	–	–	–
117.0	30.0	0.0	0.0	0.0	10.2	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	35.0	0.0	0.0	0.0	6.4	2.7	1.8	0.0	–	–	0.0	–	0.0
117.0	40.0	0.0	0.0	0.0	7.9	6.6	5.3	2.5	–	–	0.0	–	0.0
117.0	45.0	–	0.0	3.2	30.7	27.0	0.0	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	6.2	18.3	15.6	4.6	0.0	–	–	–	–	0.0
117.0	55.0	–	0.0	0.0	5.7	35.0	3.0	0.0	–	–	–	–	–
117.0	60.0	0.0	33.2	0.0	8.4	14.1	0.0	0.0	–	–	–	–	0.0
117.0	65.0	–	–	–	–	0.0	0.0	5.4	–	–	–	–	–
117.0	70.0	–	18.4	3.2	31.6	5.4	0.0	0.0	–	–	–	–	0.0
117.0	75.0	–	–	–	–	0.0	4.8	0.0	–	–	–	–	–
117.0	80.0	–	–	–	10.6	12.9	23.0	0.0	–	–	–	–	–
120.0	45.0	0.0	4.5	0.0	0.0	0.0	0.0	6.0	–	–	0.0	–	0.0
120.0	50.0	0.0	3.6	0.0	27.7	0.0	3.0	27.0	–	–	0.0	–	0.0
120.0	55.0	–	11.0	6.1	1.1	0.0	3.1	0.0	–	–	–	–	0.0
120.0	60.0	0.0	48.6	0.0	15.1	–	0.0	11.0	–	–	0.0	–	0.0
120.0	65.0	–	–	–	82.1	–	–	–	–	–	–	–	–
120.0	70.0	0.0	3.1	38.7	19.9	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	75.0	–	–	–	2.5	–	–	–	–	–	–	–	–
120.0	80.0	0.0	16.6	0.0	0.0	0.0	5.4	0.0	–	–	0.0	–	–
120.0	90.0	0.0	13.3	6.4	–	–	–	–	–	–	0.0	–	–
120.0	100.0	0.0	8.4	16.9	–	–	–	–	–	–	–	–	–
123.0	45.0	0.0	3.2	0.0	0.0	19.1	0.0	0.0	–	–	–	–	–
123.0	50.0	0.0	0.0	1.8	1.5	0.0	0.0	38.6	–	–	0.0	–	0.0
123.0	55.0	0.0	41.6	0.0	3.2	0.0	0.0	0.0	–	–	–	–	0.0
123.0	60.0	–	–	0.0	10.7	5.5	0.0	5.5	–	–	0.0	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	11.3	2.7	–	–	0.0	–	0.0
127.0	50.0	0.0	2.8	0.0	1.8	0.0	0.0	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	55.0	0.0	0.0	0.0	0.0	0.0	5.9	2.4	–	–	–	–	0.0
127.0	60.0	–	–	5.6	1.2	0.0	0.0	0.0	–	–	0.0	–	–
130.0	50.0	0.0	0.0	0.0	0.0	6.6	0.0	2.8	–	–	0.0	–	0.0
130.0	60.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	–	–	0.0	–	–
133.0	50.0	–	–	2.7	0.0	0.0	0.0	19.2	–	–	–	–	–
137.0	40.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	–	–	–	–	0.0

Medialuna californiensis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	95.0	–	–	–	–	2.8	–	–	–	–	–	–	–
103.0	50.0	0.0	0.0	0.0	1.3	–	0.0	0.0	–	–	–	–	0.0
103.0	65.0	–	–	–	0.0	–	3.0	0.0	–	–	–	–	–
103.0	70.0	–	–	0.0	0.0	–	0.0	3.0	–	–	–	–	–
107.0	80.0	–	–	–	1.2	0.0	0.0	0.0	–	–	–	–	–

Caulolatilus princeps

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	–	–	0.0	–	0.0
117.0	55.0	–	0.0	0.0	0.0	0.0	0.0	5.0	–	–	–	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	27.2	0.0	–	–	0.0	–	0.0
120.0	40.0	0.0	0.0	0.0	0.0	0.0	13.7	0.0	–	–	–	–	0.0

Sciaenidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	13.7	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
83.0	40.0	1.7	0.0	11.3	–	–	0.0	0.0	–	–	0.0	–	0.0
83.0	43.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	35.0	81.4	0.0	2.4	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	28.0	2.7	0.0	16.6	–	0.0	15.1	0.0	–	–	2.6	–	0.0
90.0	37.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	27.0	6.9	0.0	10.5	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
97.0	30.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	9.8	–	0.0
97.0	32.0	0.0	0.0	3.1	0.0	–	0.0	2.8	–	–	0.0	–	0.0
100.0	29.0	8.7	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	30.0	2.9	0.0	0.0	0.0	–	1.4	0.0	–	–	0.0	–	0.0
100.0	35.0	–	–	–	–	–	1.5	0.0	–	–	–	–	–
103.0	30.0	6.6	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	35.0	2.9	0.0	0.0	1.8	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	0.0	1.0	–	0.0	0.0	–	–	0.0	–	0.0
107.0	32.0	0.0	3.0	0.0	0.0	–	1.6	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Sciaenidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	33.0	53.4	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	35.0	10.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	–	–	9.7	–	24.5
113.0	35.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	45.0	–	3.1	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
113.0	55.0	–	0.0	6.6	0.0	0.0	0.0	0.0	–	–	–	–	–
117.0	26.0	3.2	0.0	0.0	0.0	0.0	19.2	4.4	–	–	5.8	–	0.0
117.0	30.0	40.6	0.0	0.0	0.0	0.0	23.3	0.0	–	–	0.0	–	0.0
117.0	35.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	55.0	–	0.0	2.8	0.0	0.0	0.0	0.0	–	–	–	–	–
120.0	25.0	45.2	78.6	0.0	0.0	0.0	20.9	26.3	–	–	–	–	181.6
120.0	30.0	0.0	6.8	0.0	0.0	0.0	0.0	9.5	–	–	0.0	–	16.2
120.0	35.0	271.6	6.1	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	5.1
120.0	40.0	4.6	10.7	0.0	0.0	0.0	0.0	0.0	–	–	–	–	11.4
123.0	37.0	5.6	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
133.0	25.0	0.0	–	0.0	0.0	0.0	0.0	5.1	–	–	0.0	–	0.0
137.0	23.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	45.1	–	–	2.9	–	0.0

Serranidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–	–	–	0.0

Scombridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	35.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	–	–	0.0	–	0.0
137.0	30.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0

Scomber japonicus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	70.0	–	–	–	0.0	–	6.0	0.0	–	–	–	–	–
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	79.2	–	–	0.0	–	0.0
87.0	40.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	–	–	0.0	–	0.0
90.0	28.0	0.0	0.0	0.0	–	0.0	0.0	2.8	–	–	0.0	–	0.0
90.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	–	–	0.0	–	0.0
90.0	60.0	0.0	0.0	0.0	0.0	0.0	19.9	0.0	–	–	0.0	–	0.0
93.0	70.0	–	–	0.0	0.0	0.0	10.2	0.0	–	–	–	–	–
97.0	30.0	0.0	0.0	0.0	0.0	–	2.5	0.0	–	–	0.0	–	0.0
97.0	40.0	0.0	0.0	0.0	0.0	–	1.5	0.0	–	–	0.0	–	0.0
100.0	35.0	–	–	–	–	–	3.0	0.0	–	–	–	–	–

TABLE 4. (cont.)

Scomber japonicus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	45.0	–	–	–	–	–	3.0	0.0	–	–	–	–	–
100.0	50.0	0.0	0.0	0.0	6.3	–	2.2	0.0	–	–	–	–	0.0
100.0	60.0	0.0	0.0	0.0	2.9	–	0.0	0.0	–	–	0.0	–	0.0
103.0	35.0	0.0	0.0	0.0	8.4	–	6.1	0.0	–	–	0.0	–	0.0
103.0	50.0	0.0	0.0	0.0	0.0	–	6.5	0.0	–	–	–	–	0.0
103.0	55.0	–	–	–	0.0	–	1.6	0.0	–	–	–	–	–
103.0	65.0	–	–	–	11.0	–	0.0	0.0	–	–	–	–	–
103.0	75.0	–	–	–	22.6	–	0.0	0.0	–	–	–	–	–
103.0	80.0	–	–	–	2.5	–	0.0	0.0	–	–	–	–	–
107.0	40.0	0.0	0.0	0.0	4.2	–	0.0	0.0	–	–	0.0	–	0.0
107.0	45.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
107.0	50.0	0.0	0.0	0.0	22.2	0.0	0.0	0.0	–	–	–	–	0.0
107.0	60.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	–	–	–	–	0.0
107.0	70.0	–	–	0.0	5.8	0.0	0.0	0.0	–	–	–	–	–
107.0	80.0	–	–	–	1.5	0.0	0.0	0.0	–	–	–	–	–
110.0	35.0	0.0	0.0	0.0	0.0	12.3	0.0	0.0	–	–	0.0	–	0.0
110.0	40.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	50.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	–	–	0.0	–	–
110.0	60.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	70.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	90.0	–	–	0.0	9.2	0.0	0.0	0.0	–	–	0.0	–	–
113.0	45.0	–	0.0	0.0	3.0	3.2	0.0	0.0	–	–	–	–	–
113.0	50.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	–	–	–	–	0.0
113.0	55.0	–	0.0	0.0	11.5	0.0	0.0	0.0	–	–	–	–	–
113.0	60.0	0.0	0.0	0.0	32.9	0.0	0.0	0.0	–	–	–	–	0.0
113.0	70.0	–	0.0	0.0	51.0	0.0	0.0	0.0	–	–	–	–	0.0
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	30.7	–	–	0.0	–	0.0
117.0	30.0	0.0	0.0	0.0	0.0	0.0	349.2	0.0	–	–	0.0	–	0.0
117.0	35.0	0.0	0.0	0.0	3.2	2.7	5.4	0.0	–	–	0.0	–	0.0
117.0	40.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	50.0	0.0	0.0	12.3	0.0	0.0	2.3	0.0	–	–	–	–	0.0
117.0	55.0	–	0.0	19.3	11.5	0.0	0.0	0.0	–	–	–	–	–
117.0	60.0	0.0	0.0	3.8	13.1	0.0	0.0	0.0	–	–	–	–	0.0
117.0	70.0	–	0.0	0.0	52.7	0.0	0.0	0.0	–	–	–	–	0.0
120.0	25.0	0.0	0.0	0.0	0.0	0.0	69.0	52.5	–	–	–	–	0.0
120.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	–	–	–	–	0.0
120.0	45.0	0.0	0.0	0.0	0.0	0.0	88.9	6.0	–	–	0.0	–	0.0
120.0	50.0	0.0	0.0	0.0	52.6	0.0	9.0	9.0	–	–	0.0	–	0.0
120.0	55.0	–	0.0	30.3	1.4	0.0	0.0	0.0	–	–	–	–	0.0
120.0	60.0	0.0	0.0	0.0	20.2	–	0.0	0.0	–	–	0.0	–	0.0
120.0	65.0	–	–	–	59.4	–	–	–	–	–	–	–	–
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	–	–	0.0	–	0.0
123.0	45.0	0.0	0.0	0.0	0.0	14.3	0.0	3.0	–	–	–	–	–
123.0	50.0	0.0	0.0	1.8	1.3	0.0	0.0	3.0	–	–	0.0	–	0.0
123.0	55.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	–	–	–	–	0.0
123.0	60.0	–	–	2.7	0.0	0.0	0.0	5.5	–	–	0.0	–	–

TABLE 4. (cont.)

Scomber japonicus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	40.0	0.0	0.0	129.3	2.6	0.0	0.0	0.0	-	-	0.0	-	0.0
127.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	0.0	-	0.0
130.0	30.0	0.0	0.0	0.0	0.0	10.6	0.0	0.0	-	-	0.0	-	0.0
130.0	40.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
130.0	50.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
137.0	30.0	0.0	0.0	2.2	0.0	2.8	77.4	0.0	-	-	0.0	-	0.0
137.0	50.0	-	-	0.0	0.0	0.0	10.9	0.0	-	-	-	-	-
147.0	20.0	0.0	13.9	0.0	-	-	-	-	-	-	-	-	2.6
147.0	25.0	0.0	0.0	1.9	-	-	-	-	-	-	-	-	0.0
150.0	19.0	92.7	0.0	0.0	-	-	-	-	-	-	-	-	0.0
153.0	20.0	40.5	0.0	0.0	-	-	-	-	-	-	-	-	-
157.0	20.0	2.8	0.0	0.0	-	-	-	-	-	-	-	-	-

Trichiuridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	80.0	-	-	-	1.3	-	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	2.9
107.0	80.0	-	-	-	0.0	2.9	0.0	0.0	-	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	-	-	0.0	-	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	-	0.0
113.0	50.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-	-	-	0.0
113.0	75.0	-	-	-	-	3.0	0.0	0.0	-	-	-	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	6.8	-	0.0
117.0	50.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	2.6
120.0	80.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-	-	5.0	-	-
123.0	40.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	5.9	-	0.0
123.0	60.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	10.1	-	-
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	4.4	-	0.0
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	11.4	-	0.0
127.0	55.0	6.3	0.0	2.8	0.0	0.0	0.0	0.0	-	-	-	-	0.0
127.0	60.0	-	-	0.0	0.0	0.0	0.0	2.9	-	-	0.0	-	-
130.0	40.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
133.0	30.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-	5.2	-	0.0
133.0	40.0	0.0	6.1	0.0	0.0	-	0.0	0.0	-	-	-	-	0.0
137.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	2.9

Sphyraena argentea

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	38.6	-	-	0.0	-	0.0
137.0	23.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	-	-	0.0	-	0.0
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	-	-	0.0	-	0.0

TABLE 4. (cont.)

Icichthys lockingtoni

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	80.0	–	–	–	–	–	15.8	–	–	–	0.0	–	–
60.0	90.0	–	–	–	–	–	0.0	–	–	–	3.0	–	–
63.0	52.0	–	–	–	–	0.0	0.0	2.5	–	–	0.0	–	–
63.0	55.0	–	–	–	–	0.0	0.0	69.4	–	–	5.4	–	–
63.0	65.0	–	–	–	–	0.0	10.6	121.0	–	–	–	–	–
67.0	55.0	–	–	–	–	0.0	6.8	0.0	–	–	0.0	–	–
67.0	65.0	–	–	–	–	0.0	2.8	51.8	–	–	–	–	–
70.0	52.0	–	–	–	–	0.0	0.0	0.0	–	–	5.9	–	–
70.0	55.0	–	–	–	–	0.0	0.0	0.0	–	–	11.3	–	–
70.0	70.0	–	–	–	–	0.0	12.6	18.6	–	–	6.6	–	–
70.0	80.0	–	–	–	–	–	0.0	0.0	–	–	6.1	–	–
70.0	90.0	–	–	–	–	–	2.7	2.2	–	–	0.0	–	–
73.0	60.0	–	–	–	–	–	5.4	9.6	–	–	0.0	–	–
73.0	70.0	–	–	–	–	–	17.9	31.2	–	–	–	–	–
73.0	80.0	–	–	–	–	–	22.9	49.9	–	–	–	–	–
73.0	90.0	–	–	–	–	–	10.3	76.2	–	–	–	–	–
77.0	55.0	–	–	–	–	10.9	0.0	0.0	–	–	0.0	–	–
77.0	65.0	–	–	–	–	0.0	6.2	0.0	–	–	–	–	–
77.0	70.0	–	–	–	–	0.0	0.0	13.8	–	–	–	–	–
77.0	80.0	–	–	–	–	0.0	0.0	21.8	–	–	–	–	–
77.0	90.0	–	–	–	–	0.0	7.9	0.0	–	–	–	–	–
80.0	55.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	60.0	0.0	0.0	2.4	0.0	2.8	46.4	0.0	–	–	0.0	0.0	–
80.0	70.0	0.0	0.0	20.3	12.0	0.0	0.0	6.6	–	–	0.0	0.0	–
80.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–	0.0	–	2.5
80.0	90.0	–	–	–	2.7	6.3	12.8	13.9	–	–	2.9	–	0.0
83.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	3.4
83.0	60.0	6.3	0.0	0.0	0.0	0.0	43.3	0.0	–	–	0.0	–	0.0
83.0	70.0	–	–	–	2.7	–	36.2	12.0	–	–	–	–	–
83.0	75.0	–	–	–	–	–	69.2	–	–	–	–	–	–
83.0	80.0	–	–	–	0.0	–	26.5	–	–	–	–	–	–
87.0	35.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	50.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	55.0	–	–	–	–	5.3	6.2	0.0	–	–	–	–	–
87.0	60.0	0.0	0.0	–	0.0	6.2	0.0	0.0	–	–	0.0	–	0.0
87.0	70.0	–	–	–	24.2	–	14.8	22.2	–	–	–	–	–
87.0	80.0	–	–	–	0.0	–	6.5	–	–	–	–	–	–
90.0	50.0	0.0	–	0.0	0.0	0.0	2.9	0.0	–	–	–	–	–
90.0	55.0	–	–	–	–	0.0	28.1	0.0	–	–	0.0	–	0.0
90.0	60.0	8.2	0.0	0.0	0.0	5.4	13.3	5.6	–	–	0.0	–	2.7
90.0	65.0	–	–	–	–	0.0	13.8	15.0	–	–	–	–	–
90.0	70.0	0.0	3.2	5.8	0.0	3.0	0.0	5.0	–	–	0.0	–	5.4
90.0	75.0	–	–	–	–	0.0	5.2	0.0	–	–	–	–	–
90.0	80.0	–	–	0.0	3.5	0.0	–	0.0	–	–	0.0	–	0.0
90.0	90.0	–	–	9.2	0.0	0.0	–	0.0	–	–	0.0	–	–
93.0	50.0	3.0	0.0	0.0	0.0	6.2	0.0	0.0	–	–	0.0	–	3.0

TABLE 4. (cont.)

Icichthys lockingtoni (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	55.0	–	–	–	–	0.0	5.0	0.0	–	–	–	–	–
93.0	60.0	–	–	0.0	0.0	6.1	0.0	0.0	–	–	0.0	–	–
93.0	65.0	–	–	–	–	2.8	–	0.0	–	–	–	–	–
93.0	70.0	–	–	0.0	4.7	3.0	51.2	0.0	–	–	–	–	–
93.0	75.0	–	–	–	–	3.0	5.5	0.0	–	–	–	–	–
93.0	95.0	–	–	–	–	2.8	–	–	–	–	–	–	–
97.0	45.0	–	–	–	–	–	3.3	0.0	–	–	–	–	–
97.0	50.0	0.0	0.0	0.0	0.0	–	1.7	0.0	–	–	0.0	–	3.2
100.0	40.0	0.0	0.0	2.6	0.0	–	1.4	7.0	–	–	0.0	–	3.0
100.0	60.0	0.0	0.0	3.4	2.9	–	0.0	0.0	–	–	0.0	–	0.0
100.0	70.0	2.8	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	0.0	0.0	–	0.0	8.0	–	–	0.0	–	0.0
107.0	40.0	0.0	3.3	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
107.0	50.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	–	–	–	–	0.0
140.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	–	–	6.1

Peprilus simillimus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	–	–	0.0	–	0.0
93.0	40.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–	0.0	–	0.0
97.0	30.0	0.0	0.0	0.0	0.0	–	2.5	0.0	–	–	0.0	–	0.0
100.0	30.0	0.0	0.0	0.0	0.0	–	1.4	0.0	–	–	0.0	–	0.0
110.0	33.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	–	–	0.0	–	0.0
113.0	35.0	0.0	3.2	0.0	0.0	0.0	0.0	3.2	–	–	0.0	–	0.0
113.0	60.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	–	–	–	–	0.0
117.0	26.0	3.2	0.0	0.0	0.0	112.0	19.2	8.8	–	–	0.0	–	0.0
117.0	30.0	5.8	0.0	0.0	0.0	0.0	116.4	9.9	–	–	0.0	–	0.0
117.0	55.0	–	0.0	0.0	5.7	0.0	0.0	0.0	–	–	–	–	–
120.0	25.0	16.0	0.0	0.0	0.0	44.3	20.9	2.0	–	–	–	–	0.0
120.0	27.0	–	–	–	–	39.7	44.4	–	–	–	0.0	–	–
120.0	30.0	6.3	10.2	3.2	0.0	91.2	8.5	47.4	–	–	0.0	–	0.0
120.0	35.0	5.8	6.1	0.0	0.0	11.8	91.8	5.8	–	–	0.0	–	0.0
120.0	40.0	7.0	21.4	0.0	0.0	0.0	62.4	0.0	–	–	–	–	0.0
120.0	45.0	0.0	0.0	0.0	0.0	0.0	29.6	0.0	–	–	0.0	–	0.0
120.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–	0.0	–	0.0
123.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–	–	–	–
127.0	45.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	–	–	–	–	–
127.0	60.0	–	–	0.0	0.0	0.0	0.0	2.9	–	–	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–	0.0	–	0.0
133.0	25.0	0.0	–	0.0	0.0	0.0	6.0	0.0	–	–	0.0	–	0.0
133.0	30.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	–	–	0.0	–	0.0
137.0	30.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	–	–	0.0	–	0.0
137.0	40.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	–	–	–	–	0.0

TABLE 4. (cont.)

Tetragonurus cuvieri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	90.0	–	–	–	–	–	35.6	0.0	–	–	0.0	–	–
77.0	70.0	–	–	–	–	0.0	3.5	0.0	–	–	–	–	–
77.0	90.0	–	–	–	–	0.0	2.6	0.0	–	–	–	–	–
80.0	51.0	0.0	–	0.0	3.4	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	80.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	–	–	0.0	–	0.0
87.0	90.0	–	–	–	0.0	–	5.8	–	–	–	–	–	–
90.0	80.0	–	–	0.0	0.0	3.0	–	0.0	–	–	0.0	–	0.0
90.0	90.0	–	–	0.0	0.0	63.4	–	0.0	–	–	0.0	–	–
93.0	75.0	–	–	–	–	0.0	5.5	0.0	–	–	–	–	–
93.0	90.0	–	–	–	0.0	0.0	–	2.6	–	–	–	–	–
93.0	95.0	–	–	–	–	5.6	–	–	–	–	–	–	–
97.0	80.0	–	–	–	2.8	–	0.0	0.0	–	–	–	–	–
97.0	90.0	–	–	–	4.8	–	3.5	0.0	–	–	–	–	–
100.0	65.0	–	–	–	–	–	3.0	0.0	–	–	–	–	–
100.0	80.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	45.4	–	3.0
100.0	90.0	–	–	0.0	0.0	–	3.1	0.0	–	–	–	–	–
103.0	50.0	0.0	0.0	0.0	0.0	–	1.3	0.0	–	–	–	–	0.0
103.0	60.0	0.0	0.0	0.0	0.0	–	1.5	0.0	–	–	–	–	0.0
103.0	70.0	–	–	0.0	0.0	–	1.4	3.0	–	–	–	–	–
103.0	75.0	–	–	–	0.0	–	0.0	5.8	–	–	–	–	–
103.0	80.0	–	–	–	2.5	–	0.0	0.0	–	–	–	–	–
103.0	85.0	–	–	–	–	–	1.5	0.0	–	–	–	–	–
107.0	45.0	–	–	–	–	0.0	0.0	3.4	–	–	–	–	–
107.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	–	–	–	–	0.0
107.0	65.0	–	–	–	–	9.3	0.0	0.0	–	–	–	–	–
107.0	70.0	–	–	0.0	0.0	0.0	0.0	3.0	–	–	–	–	–
107.0	75.0	–	–	–	–	0.0	5.2	0.0	–	–	–	–	–
107.0	80.0	–	–	–	0.0	11.4	2.9	3.3	–	–	–	–	–
107.0	85.0	–	–	–	–	6.2	0.0	2.8	–	–	–	–	–
107.0	90.0	–	–	–	–	0.0	2.5	0.0	–	–	–	–	–
110.0	60.0	0.0	0.0	0.0	0.0	6.3	6.3	0.0	–	–	6.1	–	0.0
110.0	65.0	–	–	–	–	0.0	7.3	0.0	–	–	–	–	–
110.0	80.0	0.0	0.0	0.0	0.0	0.0	3.0	5.2	–	–	49.6	–	0.0
110.0	85.0	–	–	–	–	0.0	0.0	5.7	–	–	–	–	–
110.0	90.0	–	–	0.0	0.0	0.0	0.0	0.0	–	–	16.3	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	–	–	0.0	–	0.0
113.0	45.0	–	0.0	0.0	0.0	3.2	0.0	2.9	–	–	–	–	–
113.0	50.0	0.0	0.0	0.0	0.0	2.8	0.0	3.3	–	–	–	–	0.0
113.0	55.0	–	0.0	0.0	0.0	0.0	0.0	10.2	–	–	–	–	–
113.0	65.0	–	–	–	–	0.0	0.0	5.4	–	–	–	–	–
113.0	75.0	–	–	–	–	0.0	0.0	2.7	–	–	–	–	–
117.0	55.0	–	0.0	0.0	0.0	3.2	0.0	7.4	–	–	–	–	–
117.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	–	–	–	–	0.0
117.0	70.0	–	3.7	0.0	0.0	0.0	0.0	8.3	–	–	–	–	0.0
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	–	–	–	–	0.0
120.0	35.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Tetragonurus cuvieri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	70.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	–	–	2.0	–	0.0
120.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.0	–	–
120.0	90.0	2.8	0.0	0.0	–	–	–	–	–	–	0.0	–	–
123.0	45.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–

Chiasmodontidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	85.0	–	–	–	–	–	6.5	0.0	–	–	–	–	–
103.0	70.0	–	–	2.4	1.5	–	0.0	3.0	–	–	–	–	–
107.0	60.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	–	–	–	–	0.0
107.0	85.0	–	–	–	–	0.0	6.3	0.0	–	–	–	–	–
110.0	80.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	90.0	–	–	0.0	0.0	0.0	2.9	2.8	–	–	0.0	–	–
113.0	45.0	–	0.0	0.0	3.0	0.0	0.0	0.0	–	–	–	–	–
113.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–	–	–	0.0
113.0	80.0	–	–	–	2.8	0.0	0.0	0.0	–	–	–	–	–
117.0	55.0	–	0.0	0.0	0.0	0.0	0.0	2.5	–	–	–	–	–
120.0	55.0	–	0.0	0.0	0.0	0.0	3.1	0.0	–	–	–	–	0.0
120.0	60.0	0.0	0.0	0.0	0.0	–	0.0	2.7	–	–	0.0	–	0.0
120.0	70.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	–	–	0.0	–	0.0
123.0	55.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	–	–	–	–	0.0
123.0	60.0	–	–	0.0	2.7	0.0	0.0	0.0	–	–	0.0	–	–
127.0	50.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	30.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	–	–	0.0	–	0.0
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	0.0
130.0	50.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	–	–	0.0	–	0.0
137.0	50.0	–	–	0.0	0.0	0.0	0.0	2.7	–	–	–	–	–
157.0	10.0	0.0	0.0	6.4	–	–	–	–	–	–	–	–	–

Pleuronectiformes

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	35.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
97.0	30.0	0.0	0.0	0.0	0.0	–	1.3	0.0	–	–	0.0	–	0.0
100.0	30.0	0.0	2.8	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
110.0	33.0	0.0	11.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	26.0	0.0	0.0	0.0	0.0	0.0	11.2	0.0	–	–	0.0	–	0.0
117.0	30.0	0.0	0.0	0.0	0.0	0.0	40.7	0.0	–	–	0.0	–	0.0
120.0	25.0	0.0	37.8	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
120.0	30.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	–	–	0.0	–	0.0
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.1	–	0.0
120.0	40.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	–	–	–	–	0.0
127.0	50.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Pleuronectiformes (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	40.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	–	–	0.0	–	0.0
147.0	20.0	6.8	0.0	0.0	–	–	–	–	–	–	–	–	0.0

Bothus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
157.0	20.0	0.0	1.9	0.0	–	–	–	–	–	–	–	–	–

Citharichthys spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	–	–	–	–	0.0	0.0	0.0	–	–	2.2	–	–
77.0	50.0	–	–	–	–	0.0	3.2	0.0	–	–	0.0	–	–
80.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	–	–	0.0	0.0	–
80.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	5.2	–
80.0	80.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	–	–	0.0	–	2.5
83.0	40.0	0.0	0.0	1.3	–	–	0.0	0.0	–	–	1.3	–	1.1
83.0	43.0	3.3	9.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	2.9
87.0	35.0	4.5	0.0	0.0	11.2	0.0	0.0	0.0	–	–	0.0	–	21.2
87.0	40.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	–	–	0.0	–	22.5
87.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	8.4	–	9.4
87.0	60.0	0.0	0.0	–	2.7	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	28.0	0.0	2.5	0.0	–	0.0	5.0	0.0	–	–	0.0	–	0.0
90.0	30.0	4.5	0.0	0.0	0.0	0.0	0.0	7.6	–	–	0.0	–	0.0
90.0	37.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	–	–	0.0	–	31.0
90.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	6.0
90.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	2.7
90.0	70.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	5.1
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	10.1
93.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	13.6
93.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	3.0
93.0	80.0	–	–	–	2.8	0.0	0.0	0.0	–	–	–	–	–
97.0	30.0	0.0	0.0	1.6	0.0	–	0.0	0.0	–	–	2.5	–	16.2
97.0	32.0	0.0	2.5	0.0	0.0	–	0.0	0.0	–	–	2.7	–	9.2
97.0	40.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	8.6
97.0	45.0	–	–	–	–	–	3.3	0.0	–	–	–	–	–
100.0	29.0	0.0	11.1	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	30.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	10.9
100.0	40.0	0.0	11.6	0.0	4.9	–	0.0	0.0	–	–	0.0	–	0.0
100.0	50.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	–	–	6.8
103.0	30.0	4.4	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	35.0	0.0	0.0	0.0	0.0	–	1.5	0.0	–	–	0.0	–	3.0

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	32.0	0.0	3.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	40.7
107.0	35.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	6.2
107.0	75.0	–	–	–	–	0.0	0.0	2.7	–	–	–	–	–
110.0	33.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	–	–	1.9	–	18.6
110.0	35.0	0.0	6.4	0.0	2.0	0.0	0.0	0.0	–	–	0.0	–	20.6
110.0	40.0	2.8	0.0	0.0	0.0	6.4	0.0	0.0	–	–	0.0	–	33.3
110.0	55.0	–	–	–	–	0.0	0.0	2.8	–	–	–	–	–
110.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	10.5
110.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	20.8	–	–	0.0	–	0.0
113.0	30.0	15.8	0.0	0.0	0.0	0.0	0.0	21.4	–	–	0.0	–	88.2
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	–	–	0.0	–	14.8
113.0	40.0	0.0	0.0	25.2	0.0	0.0	0.0	0.0	–	–	6.2	–	10.6
113.0	45.0	–	3.1	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
113.0	50.0	2.8	3.7	0.0	0.0	0.0	0.0	3.3	–	–	–	–	2.5
113.0	55.0	–	0.0	3.3	0.0	0.0	0.0	0.0	–	–	–	–	–
113.0	60.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	–	–	–	–	18.5
113.0	75.0	–	–	–	–	0.0	0.0	2.7	–	–	–	–	–
117.0	26.0	6.5	0.0	9.8	0.0	24.9	33.6	13.1	–	–	25.9	–	5.9
117.0	30.0	5.8	16.9	0.0	0.0	0.0	675.1	194.7	–	–	57.6	–	5.9
117.0	35.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	–	–	6.8	–	12.8
117.0	40.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	6.0
117.0	50.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	–	–	–	–	10.5
117.0	60.0	0.0	0.0	0.0	5.8	0.0	6.7	0.0	–	–	–	–	0.0
120.0	25.0	2.7	61.1	0.0	0.0	55.4	179.7	288.9	–	–	–	–	7.2
120.0	27.0	–	–	–	–	26.5	1629.5	–	–	–	0.0	–	–
120.0	30.0	31.3	296.7	114.8	0.0	702.2	12.7	312.8	–	–	0.0	–	43.2
120.0	35.0	26.3	0.0	0.0	81.4	11.8	309.4	426.2	–	–	4.2	–	0.0
120.0	40.0	7.0	117.5	0.0	0.0	0.0	0.0	2.3	–	–	–	–	0.0
120.0	45.0	3.1	0.0	0.0	0.0	0.0	98.8	0.0	–	–	0.0	–	0.0
120.0	50.0	0.0	0.0	2.8	10.2	0.0	0.0	9.0	–	–	0.0	–	0.0
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	–	–	0.0	–	0.0
123.0	37.0	0.0	0.0	20.2	0.0	–	0.0	0.0	–	–	0.0	–	0.0
123.0	40.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
123.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	–	–	–	–	–
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	32.7	–	–	0.0	–	0.0
123.0	55.0	3.4	0.0	0.0	0.0	0.0	0.0	7.7	–	–	–	–	0.0
123.0	60.0	–	–	2.7	0.0	0.0	0.0	13.8	–	–	0.0	–	–
127.0	40.0	0.0	2.2	0.0	0.0	2.4	0.0	2.7	–	–	0.0	–	0.0
127.0	55.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	–	–	–	–	0.0
127.0	60.0	–	–	0.0	0.0	0.0	0.0	2.9	–	–	0.0	–	–
130.0	35.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	–	–	0.0	–	0.0
130.0	40.0	0.0	0.0	0.0	4.3	0.0	0.0	4.3	–	–	0.0	–	0.0
133.0	30.0	0.0	0.0	0.0	0.0	14.5	0.0	0.0	–	–	5.2	–	0.0
133.0	40.0	0.0	18.4	0.0	0.0	–	0.0	0.0	–	–	–	–	0.0
137.0	30.0	0.0	0.0	0.0	0.0	0.0	12.1	0.0	–	–	0.0	–	0.0
137.0	40.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–	–	–	0.0

TABLE 4. (cont.)

Citharichthys fragilis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	-	-	0.0	-	0.0
93.0	40.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	-	-	0.0	-	0.0
107.0	45.0	-	-	-	-	0.0	5.6	0.0	-	-	-	-	-
107.0	50.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	-	-	-	-	0.0
110.0	33.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	-	-	0.0	-	0.0
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	-	-	0.0	-	0.0
113.0	45.0	-	3.1	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0.0
113.0	55.0	-	0.0	6.6	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	26.0	32.4	11.5	94.8	0.0	211.5	64.0	4.4	-	-	23.0	-	0.0
117.0	30.0	31.9	74.1	0.0	0.0	0.0	139.7	151.8	-	-	0.0	-	0.0
117.0	35.0	3.2	16.8	7.2	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
117.0	40.0	6.0	20.0	6.7	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
117.0	45.0	-	17.3	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	50.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0.0
117.0	70.0	-	0.0	0.0	3.5	0.0	0.0	0.0	-	-	-	-	0.0
117.0	80.0	-	-	-	0.0	0.0	0.0	3.0	-	-	-	-	-
120.0	25.0	164.9	46.6	6.3	4.9	166.2	0.0	60.6	-	-	-	-	0.0
120.0	27.0	-	-	-	-	66.2	0.0	-	-	-	2.4	-	-
120.0	30.0	43.8	0.0	0.0	95.4	0.0	199.3	786.8	-	-	8.1	-	0.0
120.0	35.0	23.4	158.6	7.0	0.0	59.0	0.0	0.0	-	-	12.6	-	20.2
120.0	40.0	9.3	5.3	0.0	18.1	55.4	0.0	0.0	-	-	-	-	1.6
120.0	45.0	9.2	2.2	6.1	0.0	0.0	128.4	24.1	-	-	0.0	-	0.0
120.0	50.0	3.3	0.0	0.0	2.8	0.0	3.0	18.0	-	-	0.0	-	0.0
120.0	55.0	-	0.0	0.0	0.0	0.0	0.0	2.8	-	-	-	-	0.0
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.0	-	0.0
123.0	37.0	16.9	3.3	0.0	0.0	-	0.0	7.0	-	-	0.0	-	2.6
123.0	40.0	3.1	2.3	6.8	4.7	0.0	0.0	0.0	-	-	0.0	-	3.5
123.0	45.0	0.0	0.0	0.0	2.7	4.8	0.0	5.9	-	-	-	-	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	-	-	5.9	-	0.0
123.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	-	-	-	-	0.0
123.0	60.0	-	-	0.0	0.0	0.0	0.0	8.3	-	-	5.0	-	-
127.0	34.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	-	-	0.0	-	0.0
127.0	40.0	0.0	0.0	0.0	0.0	0.0	11.3	13.6	-	-	0.0	-	0.0
127.0	45.0	0.0	15.2	0.0	0.0	0.0	9.8	5.5	-	-	-	-	-
127.0	50.0	0.0	2.8	0.0	0.0	6.2	0.0	0.0	-	-	0.0	-	0.0
127.0	55.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	-	-	-	-	0.0
127.0	60.0	-	-	0.0	0.0	0.0	0.0	2.9	-	-	0.0	-	-
130.0	30.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
130.0	35.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	-	-	0.0	-	0.0
130.0	40.0	0.0	3.1	0.0	0.0	0.0	3.3	0.0	-	-	0.0	-	0.0
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.4	-	0.0
133.0	25.0	0.0	-	1.8	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
133.0	30.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
133.0	40.0	0.0	12.2	0.0	0.0	-	3.3	0.0	-	-	-	-	0.0

TABLE 4. (cont.)

Citharichthys fragilis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	30.0	0.0	0.0	0.0	0.0	5.6	0.0	2.7	–	–	0.0	–	0.0
137.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–	–	–	0.0
137.0	50.0	–	–	0.0	2.7	0.0	0.0	0.0	–	–	–	–	–
150.0	19.0	3.3	0.0	0.0	–	–	–	–	–	–	–	–	0.0

Citharichthys sordidus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	–	–	–	–	–	0.0	–	–	–	25.4	–	–
60.0	70.0	–	–	–	–	–	0.0	–	–	–	5.6	–	–
60.0	80.0	–	–	–	–	–	0.0	–	–	–	40.6	–	–
70.0	60.0	–	–	–	–	0.0	0.0	0.0	–	–	19.6	–	–
70.0	80.0	–	–	–	–	–	0.0	0.0	–	–	6.1	–	–
70.0	90.0	–	–	–	–	–	0.0	0.0	–	–	3.1	–	–
80.0	51.0	0.0	–	0.0	0.0	0.0	0.0	0.0	–	–	2.5	0.0	–
80.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	–	–	0.0	0.0	–
80.0	60.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	–	–	2.9	0.0	–
80.0	70.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	80.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	40.0	1.7	0.0	0.0	–	–	0.0	0.0	–	–	0.0	–	0.0
83.0	43.0	9.9	0.0	3.4	2.5	0.0	0.0	5.4	–	–	0.0	–	0.0
83.0	65.0	–	–	–	–	–	0.0	40.6	–	–	–	–	–
87.0	35.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	45.0	–	–	–	–	0.0	0.0	0.0	–	–	2.6	–	–
87.0	50.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	60.0	0.0	0.0	–	2.7	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	60.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	35.0	–	–	–	–	0.0	0.0	2.0	–	–	–	–	–
93.0	40.0	3.0	0.0	0.0	0.0	0.0	0.0	3.1	–	–	0.0	–	0.0
93.0	45.0	–	–	–	–	0.0	5.8	0.0	–	–	–	–	–
93.0	50.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	–	–	0.0	–	0.0
93.0	55.0	–	–	–	–	0.0	0.0	5.1	–	–	–	–	–
93.0	60.0	–	–	2.7	0.0	0.0	0.0	0.0	–	–	0.0	–	–
97.0	30.0	0.0	0.0	0.0	0.0	–	1.3	0.0	–	–	0.0	–	0.0
97.0	32.0	2.6	2.5	0.0	0.0	–	0.0	2.8	–	–	0.0	–	0.0
97.0	40.0	0.0	0.0	0.0	0.0	–	1.5	0.0	–	–	0.0	–	0.0
100.0	29.0	2.9	2.8	3.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	30.0	2.9	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	40.0	3.0	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	60.0	0.0	3.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
100.0	90.0	–	–	0.0	0.0	–	0.0	6.0	–	–	–	–	–
103.0	35.0	0.0	0.0	0.0	0.0	–	1.2	0.0	–	–	0.0	–	0.0
107.0	32.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	2.6	–	0.0
107.0	40.0	0.0	3.3	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	–	–	1.9	–	0.0

TABLE 4. (cont.)

Citharichthys sordidus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	40.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.1	–	0.0
117.0	26.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	–	–	5.8	–	0.0
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.8	–	0.0
117.0	35.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	40.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	45.0	–	0.0	0.0	3.1	0.0	0.0	0.0	–	–	–	–	–
120.0	50.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	–	–	0.0	–	0.0

Citharichthys stigmaeus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	55.0	–	–	–	–	–	0.0	–	–	–	5.8	–	–
60.0	60.0	–	–	–	–	–	0.0	–	–	–	12.7	–	–
63.0	55.0	–	–	–	–	0.0	0.0	0.0	–	–	16.1	–	–
73.0	60.0	–	–	–	–	–	0.0	0.0	–	–	23.0	–	–
77.0	50.0	–	–	–	–	2.4	0.0	0.0	–	–	2.8	–	–
77.0	55.0	–	–	–	–	0.0	0.0	0.0	–	–	5.9	–	–
80.0	55.0	0.0	12.9	17.4	0.0	2.8	0.0	0.0	–	–	0.0	0.0	–
80.0	60.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	70.0	8.2	2.7	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	80.0	9.4	0.0	0.0	2.8	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	43.0	6.6	0.0	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	51.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	55.0	–	–	–	–	–	0.0	11.6	–	–	–	–	–
83.0	60.0	0.0	0.0	2.7	24.2	0.0	0.0	0.0	–	–	2.8	–	5.8
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	23.8	–	–	0.0	–	0.0
87.0	40.0	5.3	2.9	0.0	0.0	3.2	0.0	0.0	–	–	0.0	–	0.0
87.0	45.0	–	–	–	–	2.4	0.0	0.0	–	–	10.4	–	–
87.0	50.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	28.0	0.0	0.0	0.0	–	2.7	0.0	5.5	–	–	2.6	–	0.0
90.0	30.0	0.0	0.0	0.0	0.0	0.0	3.0	19.0	–	–	5.0	–	2.4
90.0	37.0	0.0	0.0	2.5	0.0	5.3	0.0	0.0	–	–	2.5	–	0.0
90.0	45.0	3.7	0.0	0.0	2.9	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	50.0	0.0	–	2.9	0.0	0.0	0.0	0.0	–	–	–	–	–
90.0	55.0	–	–	–	–	0.0	0.0	0.0	–	–	8.5	–	0.0
90.0	60.0	2.7	0.0	23.3	0.0	0.0	0.0	2.8	–	–	5.8	–	0.0
90.0	65.0	–	–	–	–	5.7	0.0	0.0	–	–	–	–	–
90.0	70.0	8.6	0.0	5.8	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	80.0	–	–	3.1	3.5	0.0	–	0.0	–	–	0.0	–	0.0
90.0	90.0	–	–	3.1	0.0	0.0	–	0.0	–	–	0.0	–	–
93.0	30.0	0.0	0.0	2.9	0.0	0.0	2.2	0.0	–	–	8.7	–	0.0
93.0	35.0	–	–	–	–	3.0	0.0	40.0	–	–	–	–	–
93.0	40.0	0.0	0.0	0.0	0.0	5.6	0.0	3.1	–	–	0.0	–	0.0
93.0	45.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–

TABLE 4. (cont.)

Citharichthys stigmaeus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	50.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	55.0	–	–	–	–	0.0	0.0	15.3	–	–	–	–	–
93.0	70.0	–	–	0.0	0.0	3.0	0.0	0.0	–	–	–	–	–
97.0	30.0	0.0	2.5	0.0	0.0	–	5.1	0.0	–	–	0.0	–	0.0
97.0	32.0	0.0	10.2	0.0	3.1	–	0.0	5.5	–	–	0.0	–	0.0
97.0	35.0	–	–	–	–	–	4.0	0.0	–	–	–	–	–
97.0	40.0	0.0	6.3	2.2	0.0	–	0.0	0.0	–	–	0.0	–	0.0
97.0	45.0	–	–	–	–	–	3.3	0.0	–	–	–	–	–
97.0	50.0	25.8	0.0	0.0	2.7	–	0.0	0.0	–	–	16.0	–	0.0
97.0	55.0	–	–	–	–	–	0.0	12.8	–	–	–	–	–
100.0	29.0	2.9	8.3	0.0	0.0	–	0.0	0.0	–	–	9.1	–	0.0
100.0	35.0	–	–	–	–	–	0.0	2.8	–	–	–	–	–
100.0	40.0	8.9	0.0	0.0	0.0	–	0.0	0.0	–	–	2.5	–	0.0
100.0	60.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	12.2	–	0.0
103.0	30.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	8.1	–	0.0
103.0	35.0	2.9	0.0	3.3	0.0	–	0.0	0.0	–	–	102.2	–	0.0
103.0	40.0	0.0	0.0	3.0	0.0	–	0.0	2.7	–	–	13.2	–	0.0
103.0	50.0	0.0	0.0	0.0	0.0	–	1.3	0.0	–	–	–	–	0.0
107.0	32.0	0.0	0.0	0.0	0.0	–	3.1	0.0	–	–	0.0	–	0.0
107.0	35.0	0.0	6.6	0.0	0.0	–	42.1	0.0	–	–	3.9	–	0.0
107.0	40.0	0.0	3.3	0.0	0.0	–	10.2	0.0	–	–	0.0	–	0.0
107.0	45.0	–	–	–	–	0.0	11.2	0.0	–	–	–	–	–
107.0	50.0	0.0	0.0	0.0	0.0	3.1	9.6	0.0	–	–	–	–	0.0
107.0	80.0	–	–	–	3.7	0.0	0.0	0.0	–	–	–	–	–
110.0	33.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	–	–	11.5	–	9.3
110.0	35.0	4.3	12.8	0.0	0.0	12.3	0.0	0.0	–	–	0.0	–	0.0
110.0	40.0	2.8	3.3	0.0	0.0	6.4	0.0	11.6	–	–	3.8	–	0.0
110.0	45.0	–	–	–	–	0.0	2.2	0.0	–	–	–	–	–
110.0	50.0	2.8	0.0	0.0	0.0	0.0	0.0	3.7	–	–	0.0	–	–
110.0	60.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	–	–	3.0	–	0.0
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7	–	–	67.8	–	0.0
113.0	35.0	23.2	0.0	12.1	0.0	0.0	0.0	0.0	–	–	37.1	–	0.0
113.0	40.0	0.0	0.0	0.0	10.6	0.0	0.0	0.0	–	–	9.3	–	0.0
113.0	45.0	–	12.2	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
113.0	50.0	2.8	0.0	18.8	0.0	0.0	3.1	0.0	–	–	–	–	0.0
113.0	55.0	–	0.0	6.6	0.0	0.0	0.0	0.0	–	–	–	–	–
113.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–	–	–	0.0
113.0	65.0	–	–	–	–	0.0	0.0	5.4	–	–	–	–	–
113.0	70.0	–	0.0	0.0	3.6	0.0	0.0	0.0	–	–	–	–	0.0
113.0	80.0	–	–	–	0.0	0.0	0.0	2.7	–	–	–	–	–
117.0	26.0	0.0	0.0	3.3	0.0	37.3	51.2	26.3	–	–	236.2	–	0.0
117.0	30.0	0.0	0.0	0.0	0.0	0.0	46.6	66.0	–	–	28.8	–	0.0
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	223.1	–	0.0
117.0	40.0	3.0	0.0	0.0	15.8	0.0	0.0	0.0	–	–	45.9	–	0.0
117.0	45.0	–	6.9	0.0	0.0	0.0	2.9	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	3.1	0.0	0.0	9.3	0.0	–	–	–	–	0.0

TABLE 4. (cont.)

Citharichthys stigmaeus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	55.0	–	0.0	5.5	0.0	0.0	0.0	0.0	–	–	–	–	–
117.0	60.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	–	–	–	–	0.0
117.0	65.0	–	–	–	–	0.0	0.0	2.7	–	–	–	–	–
117.0	80.0	–	–	–	0.0	7.8	1.8	6.0	–	–	–	–	–
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	–	–	–	–	0.0
120.0	27.0	–	–	–	–	0.0	0.0	–	–	–	33.3	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	8.5	156.4	–	–	22.2	–	0.0
120.0	35.0	0.0	0.0	0.0	0.0	59.0	0.0	0.0	–	–	10.5	–	5.1
120.0	45.0	0.0	0.0	0.0	0.0	0.0	9.9	0.0	–	–	42.3	–	2.9
120.0	50.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	–	–	7.0	–	0.0
120.0	55.0	–	0.0	9.1	0.0	0.0	0.0	0.0	–	–	–	–	0.0
120.0	60.0	0.0	0.0	8.7	2.5	–	0.0	0.0	–	–	0.0	–	0.0
120.0	65.0	–	–	–	8.5	–	–	–	–	–	–	–	–
120.0	70.0	0.0	0.0	0.0	0.0	6.4	7.3	5.3	–	–	2.0	–	0.0
120.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	10.1	–	–
120.0	90.0	0.0	2.2	0.0	–	–	–	–	–	–	0.0	–	–
123.0	37.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	5.2
123.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	13.9
123.0	45.0	0.0	0.0	0.0	0.0	4.8	0.0	8.9	–	–	–	–	–
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	–	–	5.9	–	0.0
123.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	–	–	–	–	0.0
123.0	60.0	–	–	2.7	0.0	0.0	0.0	2.8	–	–	5.0	–	–
127.0	40.0	0.0	2.2	0.0	0.0	0.0	0.0	5.4	–	–	5.7	–	0.0
127.0	45.0	0.0	5.1	0.0	0.0	0.0	0.0	5.5	–	–	–	–	–
127.0	50.0	0.0	0.0	0.0	0.0	12.4	21.6	8.4	–	–	0.0	–	0.0
127.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	–	–	–	–	0.0
127.0	60.0	–	–	2.8	0.0	0.0	0.0	0.0	–	–	0.0	–	–
130.0	40.0	0.0	0.0	0.0	4.3	0.0	3.3	0.0	–	–	0.0	–	0.0
130.0	50.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	–	–	0.0	–	2.8
137.0	50.0	–	–	0.0	0.0	0.0	1.8	0.0	–	–	–	–	–

Citharichthys xanthostigma

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	50.0	0.0	–	0.0	0.0	0.0	2.9	0.0	–	–	–	–	–
93.0	50.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	–	–	0.0	–	0.0
97.0	32.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	2.7	–	0.0
107.0	32.0	0.0	5.9	0.0	0.0	–	3.1	0.0	–	–	0.0	–	0.0
107.0	35.0	0.0	6.6	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	4.6
110.0	35.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	40.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	–	–	0.0	–	0.0
110.0	45.0	–	–	–	–	0.0	0.0	9.6	–	–	–	–	–
110.0	50.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	–	–	0.0	–	–
110.0	60.0	2.9	3.0	0.0	1.8	0.0	0.0	0.0	–	–	3.0	–	0.0

TABLE 4. (cont.)

Citharichthys xanthostigma (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	70.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	75.0	–	–	–	–	0.0	0.0	5.6	–	–	–	–	–
113.0	35.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	–	–	3.7	–	0.0
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	15.5	–	0.0
113.0	45.0	–	3.1	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
113.0	50.0	0.0	18.5	3.1	3.2	0.0	0.0	0.0	–	–	–	–	0.0
113.0	55.0	–	0.0	6.6	0.0	0.0	0.0	2.6	–	–	–	–	–
113.0	60.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	–	–	–	–	0.0
113.0	80.0	–	–	–	0.0	0.0	0.0	2.7	–	–	–	–	–
117.0	26.0	6.5	2.9	173.3	0.0	136.8	67.2	17.5	–	–	25.9	–	0.0
117.0	30.0	2.9	101.1	0.0	0.0	50.6	34.9	52.8	–	–	148.8	–	0.0
117.0	35.0	0.0	3.3	0.0	0.0	2.7	0.0	22.2	–	–	27.0	–	0.0
117.0	40.0	0.0	36.0	0.0	0.0	0.0	0.0	0.0	–	–	13.1	–	0.0
117.0	45.0	–	13.8	3.2	0.0	0.0	0.0	0.0	–	–	–	–	–
117.0	50.0	0.0	12.6	6.2	0.0	0.0	0.0	0.0	–	–	–	–	0.0
117.0	55.0	–	0.0	8.3	0.0	0.0	0.0	0.0	–	–	–	–	–
117.0	60.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	–	–	–	–	0.0
117.0	65.0	–	–	–	–	0.0	33.2	2.7	–	–	–	–	–
117.0	70.0	–	0.0	0.0	10.5	0.0	13.2	0.0	–	–	–	–	0.0
117.0	75.0	–	–	–	–	0.0	0.0	7.3	–	–	–	–	–
117.0	80.0	–	–	–	0.0	0.0	0.0	3.0	–	–	–	–	–
120.0	25.0	42.6	2.9	12.6	19.6	177.3	0.0	0.0	–	–	–	–	0.0
120.0	27.0	–	–	–	–	119.2	0.0	–	–	–	2.4	–	–
120.0	30.0	31.3	0.0	0.0	95.4	0.0	12.7	521.4	–	–	22.2	–	0.0
120.0	35.0	23.4	115.9	7.0	0.0	118.0	0.0	0.0	–	–	29.4	–	0.0
120.0	40.0	4.6	0.0	10.8	0.0	268.0	304.2	0.0	–	–	–	–	0.0
120.0	45.0	3.1	0.0	6.1	5.0	0.0	0.0	30.1	–	–	0.0	–	2.9
120.0	50.0	6.6	0.0	0.0	8.3	0.0	0.0	6.0	–	–	13.9	–	0.0
120.0	55.0	–	0.0	9.1	0.0	0.0	0.0	0.0	–	–	–	–	0.0
120.0	65.0	–	–	–	5.7	–	–	–	–	–	–	–	–
120.0	70.0	0.0	0.0	0.0	0.0	6.4	14.6	5.3	–	–	0.0	–	0.0
123.0	37.0	8.5	0.0	0.0	2.6	–	0.0	0.0	–	–	0.0	–	0.0
123.0	40.0	3.1	9.0	27.3	4.7	9.8	8.5	19.0	–	–	4.4	–	0.0
123.0	45.0	0.0	0.0	14.7	0.0	0.0	13.3	5.9	–	–	–	–	–
123.0	50.0	0.0	3.4	8.9	0.0	0.0	23.8	59.4	–	–	0.0	–	0.0
123.0	55.0	0.0	0.0	10.7	0.0	0.0	0.0	177.3	–	–	–	–	0.0
123.0	60.0	–	–	0.0	0.0	0.0	0.0	71.8	–	–	20.2	–	–
127.0	34.0	5.2	0.0	0.0	0.0	0.0	4.9	0.0	–	–	2.2	–	0.0
127.0	40.0	3.0	4.4	0.0	0.0	0.0	0.0	38.1	–	–	0.0	–	0.0
127.0	45.0	0.0	30.5	0.0	2.9	0.0	0.0	22.1	–	–	–	–	–
127.0	50.0	0.0	5.7	3.8	0.0	6.2	43.2	16.9	–	–	8.3	–	0.0
127.0	55.0	0.0	0.0	2.8	0.0	0.0	0.0	12.2	–	–	–	–	0.0
127.0	60.0	–	–	5.6	0.0	0.0	0.0	31.5	–	–	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	–	–	0.0	–	0.0
130.0	35.0	0.0	0.0	0.0	8.6	0.0	3.8	7.6	–	–	0.0	–	0.0
130.0	40.0	0.0	6.3	2.8	0.0	61.8	9.9	4.3	–	–	0.0	–	0.0

TABLE 4. (cont.)

Citharichthys xanthostigma (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	50.0	0.0	0.0	2.7	0.0	0.0	5.9	0.0	–	–	0.0	–	0.0
133.0	25.0	2.5	–	0.0	0.0	5.9	0.0	0.0	–	–	6.3	–	0.0
133.0	30.0	7.9	1.9	5.2	0.0	0.0	0.0	0.0	–	–	10.4	–	0.0
133.0	40.0	0.0	12.2	0.0	0.0	–	9.9	28.2	–	–	–	–	0.0
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	–	–	0.0	–	6.3
137.0	40.0	0.0	0.0	0.0	0.0	0.0	2.8	11.8	–	–	–	–	0.0
140.0	30.0	0.0	2.7	0.0	–	–	–	–	–	–	–	–	0.0
140.0	35.0	0.0	2.8	0.0	–	–	–	–	–	–	–	–	0.0
143.0	26.0	2.3	0.0	0.0	–	–	–	–	–	–	–	–	0.0
150.0	19.0	0.0	0.0	3.2	–	–	–	–	–	–	–	–	0.0

Hippoglossina stomata

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.8	–	0.0
97.0	30.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	2.5	–	0.0
97.0	50.0	0.0	0.0	0.0	0.0	–	2.0	0.0	–	–	0.0	–	0.0
117.0	30.0	0.0	0.0	3.1	0.0	0.0	0.0	3.3	–	–	4.8	–	0.0
120.0	25.0	0.0	0.0	0.0	0.0	33.2	0.0	0.0	–	–	–	–	2.4
120.0	30.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	–	–	0.0	–	0.0
120.0	35.0	0.0	0.0	0.0	0.0	11.8	0.0	0.0	–	–	2.1	–	0.0
120.0	40.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	–	–	–	–	1.6
120.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–	0.0	–	0.0
123.0	45.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	–	–	–	–	–
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	0.0
133.0	25.0	0.0	–	0.0	0.0	0.0	0.0	0.0	–	–	3.2	–	0.0
133.0	40.0	0.0	0.0	0.0	0.0	–	0.0	2.6	–	–	–	–	0.0
137.0	30.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	–	–	0.0	–	0.0
143.0	26.0	2.3	2.5	0.0	–	–	–	–	–	–	–	–	0.0
150.0	19.0	23.2	0.0	0.0	–	–	–	–	–	–	–	–	0.0

Paralichthys californicus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	0.0	–	0.0	0.0	0.0	0.0	2.5	–	–	0.0	0.0	–
83.0	40.0	0.0	0.0	3.8	–	–	0.0	0.0	–	–	0.0	–	0.0
90.0	28.0	0.0	0.0	5.5	–	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	27.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2	–	–	0.0	–	0.0
97.0	30.0	0.0	0.0	0.0	0.0	–	0.0	3.4	–	–	0.0	–	0.0
103.0	30.0	6.6	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
107.0	32.0	0.0	8.9	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
113.0	30.0	0.0	5.2	0.0	0.0	0.0	0.0	26.7	–	–	0.0	–	0.0
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	–	–	0.0	–	0.0

TABLE 4. (cont.)

Paralichthys californicus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	–	–	0.0	–	0.0
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	–	–	0.0	–	0.0
120.0	25.0	0.0	0.0	6.3	0.0	0.0	23.0	0.0	–	–	–	–	0.0
120.0	27.0	–	–	–	–	0.0	4.4	–	–	–	0.0	–	–
120.0	30.0	0.0	0.0	0.0	0.0	9.1	0.0	23.7	–	–	0.0	–	0.0
120.0	35.0	20.4	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	40.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	–	–	–	–	4.9
120.0	45.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	–	–	0.0	–	0.0

Xystreurys liolepis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	25.0	0.0	2.9	0.0	0.0	0.0	0.0	44.4	–	–	–	–	0.0
120.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	–	–	–	–	0.0
127.0	34.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0

Glyptocephalus zachirus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	65.0	–	–	–	–	0.0	2.8	0.0	–	–	–	–	–
77.0	50.0	–	–	–	–	2.4	0.0	0.0	–	–	0.0	–	–
77.0	55.0	–	–	–	–	0.0	3.2	0.0	–	–	0.0	–	–
83.0	75.0	–	–	–	–	–	6.9	–	–	–	–	–	–
90.0	65.0	–	–	–	–	0.0	13.8	0.0	–	–	–	–	–

Lyopsetta exilis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	65.0	–	–	–	–	5.3	0.0	0.0	–	–	–	–	–
67.0	55.0	–	–	–	–	0.0	0.0	11.6	–	–	0.0	–	–
67.0	65.0	–	–	–	–	0.0	0.0	13.0	–	–	–	–	–
70.0	52.0	–	–	–	–	0.0	2.6	0.0	–	–	0.0	–	–
73.0	50.0	–	–	–	–	–	0.0	11.8	–	–	0.0	–	–
73.0	60.0	–	–	–	–	–	5.4	0.0	–	–	0.0	–	–
77.0	50.0	–	–	–	–	0.0	3.2	0.0	–	–	0.0	–	–
77.0	55.0	–	–	–	–	0.0	16.0	0.0	–	–	0.0	–	–
80.0	51.0	0.0	–	0.0	0.0	5.5	0.0	2.5	–	–	0.0	0.0	–
80.0	55.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	–	–	0.0	0.0	–
80.0	60.0	0.0	0.0	0.0	0.0	8.5	34.8	0.0	–	–	0.0	0.0	–
80.0	70.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	–	–	0.0	0.0	–
83.0	43.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	51.0	0.0	0.0	0.0	0.0	0.0	7.3	2.7	–	–	0.0	–	0.0
83.0	60.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Lyopsetta exilis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	70.0	–	–	–	0.0	–	6.0	0.0	–	–	–	–	–
87.0	50.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	–	–	0.0	–	0.0
87.0	55.0	–	–	–	–	2.6	0.0	0.0	–	–	–	–	–
87.0	60.0	0.0	0.0	–	2.7	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	50.0	0.0	–	0.0	3.0	0.0	0.0	0.0	–	–	–	–	–
90.0	70.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	–	–	0.0	–	0.0
93.0	50.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–	0.0	–	0.0
97.0	45.0	–	–	–	–	–	3.3	0.0	–	–	–	–	–
110.0	33.0	0.0	0.0	2.5	3.1	0.0	2.6	0.0	–	–	0.0	–	0.0
110.0	35.0	0.0	0.0	0.0	0.0	3.1	2.1	0.0	–	–	0.0	–	0.0
113.0	35.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	60.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	–	–	–	–	0.0
117.0	26.0	0.0	2.9	0.0	7.1	24.9	0.0	0.0	–	–	0.0	–	0.0
117.0	30.0	0.0	6.7	47.1	0.0	25.3	0.0	0.0	–	–	0.0	–	0.0
117.0	35.0	0.0	13.4	10.8	3.2	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	40.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	25.0	0.0	0.0	0.0	0.0	44.3	2.1	0.0	–	–	–	–	0.0
120.0	27.0	–	–	–	–	13.2	8.9	–	–	–	0.0	–	–
120.0	30.0	0.0	0.0	19.1	0.0	9.1	0.0	0.0	–	–	0.0	–	0.0
120.0	35.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	50.0	0.0	0.0	2.8	13.9	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	55.0	–	0.0	6.1	0.0	0.0	0.0	0.0	–	–	–	–	0.0
123.0	37.0	0.0	0.0	2.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
123.0	40.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	–	–	0.0	–	0.0
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.4	–	0.0
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.9	–	0.0

Microstomus pacificus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	70.0	–	–	–	–	0.0	6.3	0.0	–	–	0.0	–	–
77.0	70.0	–	–	–	–	0.0	3.5	0.0	–	–	–	–	–
80.0	55.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	–	–	0.0	0.0	–
80.0	60.0	0.0	0.0	0.0	12.2	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	90.0	–	–	–	0.0	0.0	12.8	0.0	–	–	0.0	–	0.0
83.0	65.0	–	–	–	–	–	5.0	0.0	–	–	–	–	–
83.0	70.0	–	–	–	0.0	–	12.1	0.0	–	–	–	–	–
83.0	75.0	–	–	–	–	–	13.8	–	–	–	–	–	–
83.0	85.0	–	–	–	–	–	12.5	–	–	–	–	–	–
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–	0.0	–	0.0
87.0	50.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	–	–	0.0	–	0.0
87.0	55.0	–	–	–	–	2.6	0.0	0.0	–	–	–	–	–
87.0	60.0	0.0	0.0	–	0.0	3.1	14.4	0.0	–	–	0.0	–	0.0
87.0	70.0	–	–	–	0.0	–	0.0	11.1	–	–	–	–	–
90.0	60.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Microstomus pacificus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	65.0	-	-	-	-	5.7	0.0	0.0	-	-	-	-	-
90.0	80.0	-	-	0.0	3.5	0.0	-	0.0	-	-	0.0	-	0.0
93.0	65.0	-	-	-	-	2.8	-	4.2	-	-	-	-	-
93.0	75.0	-	-	-	-	5.9	0.0	0.0	-	-	-	-	-
93.0	80.0	-	-	-	0.0	0.0	0.0	2.7	-	-	-	-	-
97.0	32.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	2.7	-	0.0
97.0	40.0	0.0	0.0	0.0	0.0	-	2.8	0.0	-	-	0.0	-	0.0
103.0	40.0	0.0	0.0	0.0	0.0	-	0.0	2.7	-	-	0.0	-	0.0
103.0	50.0	0.0	0.0	0.0	0.0	-	0.0	3.2	-	-	-	-	0.0
103.0	55.0	-	-	-	0.0	-	1.6	0.0	-	-	-	-	-
107.0	45.0	-	-	-	-	3.1	0.0	0.0	-	-	-	-	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	-	-	0.0	-	0.0
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	-	-	0.0	-	0.0

Parophrys vetulus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	-	-	-	-	0.0	0.0	0.0	-	-	13.1	-	-
63.0	65.0	-	-	-	-	5.3	0.0	0.0	-	-	-	-	-
77.0	55.0	-	-	-	-	10.9	0.0	0.0	-	-	0.0	-	-
80.0	51.0	0.0	-	9.4	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
80.0	55.0	0.0	0.0	8.7	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
80.0	90.0	-	-	-	0.0	0.0	0.0	2.8	-	-	0.0	-	0.0
83.0	43.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
87.0	35.0	0.0	0.0	19.0	0.0	2.5	0.0	0.0	-	-	0.0	-	0.0
87.0	50.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
87.0	55.0	-	-	-	-	2.6	0.0	0.0	-	-	-	-	-
87.0	60.0	0.0	0.0	-	0.0	3.1	0.0	0.0	-	-	0.0	-	0.0
90.0	28.0	0.0	0.0	0.0	-	0.0	5.0	0.0	-	-	0.0	-	0.0
90.0	45.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	60.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-	0.0	-	0.0
93.0	27.0	3.5	0.0	0.0	10.7	0.0	2.3	0.0	-	-	0.0	-	0.0
93.0	30.0	0.0	0.0	2.9	2.6	0.0	0.0	0.0	-	-	0.0	-	0.0
97.0	30.0	3.7	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0
100.0	29.0	0.0	0.0	0.0	6.8	-	0.0	0.0	-	-	0.0	-	0.0
100.0	30.0	0.0	0.0	0.0	5.0	-	0.0	0.0	-	-	0.0	-	0.0
103.0	30.0	2.2	7.0	0.0	0.0	-	3.0	0.0	-	-	0.0	-	0.0
107.0	32.0	0.0	8.9	0.0	0.0	-	0.0	0.0	-	-	0.0	-	0.0
110.0	33.0	32.0	0.0	17.3	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
110.0	35.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
113.0	30.0	0.0	5.2	0.0	0.0	0.0	6.2	0.0	-	-	29.0	-	4.9
117.0	26.0	0.0	0.0	9.8	0.0	0.0	3.2	8.8	-	-	5.8	-	0.0
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	4.8	-	0.0
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	-	-	0.0	-	0.0
120.0	25.0	0.0	11.6	0.0	4.9	0.0	0.0	4.0	-	-	-	-	2.4

TABLE 4. (cont.)

Parophrys vetulus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	27.0	–	–	–	–	0.0	4.4	–	–	–	0.0	–	–
120.0	30.0	0.0	3.4	0.0	0.0	0.0	4.2	4.7	–	–	0.0	–	5.4
120.0	40.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	–	–	–	–	0.0

Pleuronichthys spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	0.0	0.0	2.5	–	–	0.0	0.0	–	–	0.0	–	0.0
83.0	60.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	28.0	0.0	0.0	1.8	–	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	37.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	9.8
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.7	–	0.0
117.0	26.0	0.0	0.0	0.0	0.0	87.1	0.0	0.0	–	–	40.3	–	5.9
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	2.9
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	6.4
120.0	25.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	–	–	–	–	9.6
120.0	27.0	–	–	–	–	0.0	26.6	–	–	–	0.0	–	–
120.0	30.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	–	–	2.0	–	0.0
120.0	35.0	0.0	0.0	0.0	3.8	0.0	0.0	8.6	–	–	0.0	–	0.0
120.0	40.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	–	–	–	–	0.0
120.0	45.0	0.0	0.0	0.0	0.0	0.0	19.8	0.0	–	–	0.0	–	0.0
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–	0.0	–	0.0
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.4	–	0.0

Pleuronichthys coenosus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	60.0	0.0	3.2	2.7	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	50.0	0.0	–	0.0	0.0	0.0	5.8	0.0	–	–	–	–	–
93.0	27.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
97.0	30.0	0.0	0.0	0.0	0.0	–	1.3	0.0	–	–	0.0	–	0.0
100.0	29.0	0.0	2.8	3.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
113.0	40.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	50.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
120.0	30.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	–	–	0.0	–	0.0
120.0	55.0	–	0.0	0.0	1.1	0.0	0.0	0.0	–	–	–	–	0.0
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–	0.0	–	0.0
127.0	34.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	40.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	–	–	0.0	–	0.0
133.0	25.0	0.0	–	0.0	0.0	0.0	24.2	0.0	–	–	0.0	–	0.0
133.0	30.0	0.0	0.0	0.0	0.0	0.0	15.8	0.0	–	–	0.0	–	0.0
133.0	40.0	0.0	0.0	0.0	0.0	–	3.3	0.0	–	–	–	–	0.0

TABLE 4. (cont.)

Pleuronichthys decurrens

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	60.0	0.0	0.0	–	0.0	0.0	0.0	0.0	–	–	2.5	–	0.0
87.0	70.0	–	–	–	0.0	–	0.0	5.5	–	–	–	–	–
90.0	45.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–	2.7	–	0.0

Pleuronichthys ritteri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	30.0	0.0	0.0	0.0	0.0	12.6	0.0	16.5	–	–	0.0	–	0.0
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	52.1	–	–	0.0	–	0.0
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	–	–	0.0	–	0.0

Pleuronichthys verticalis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	–	–	–	–	0.0	0.0	0.0	–	–	2.2	–	–
90.0	28.0	0.0	0.0	1.8	–	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	–	–	0.0	–	0.0
107.0	32.0	0.0	3.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.8	–	0.0
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7	–	–	96.8	–	0.0
117.0	26.0	0.0	0.0	0.0	0.0	0.0	1.6	4.4	–	–	0.0	–	0.0
117.0	30.0	8.7	16.9	0.0	0.0	0.0	5.8	0.0	–	–	0.0	–	0.0
117.0	35.0	0.0	6.7	0.0	0.0	2.7	0.0	0.0	–	–	0.0	–	0.0
120.0	25.0	0.0	46.6	0.0	0.0	0.0	0.0	26.3	–	–	–	–	0.0
120.0	30.0	0.0	10.2	0.0	0.0	9.1	0.0	23.7	–	–	0.0	–	0.0
120.0	35.0	8.8	12.2	0.0	0.0	0.0	0.0	0.0	–	–	2.1	–	0.0
120.0	40.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	6.5
123.0	40.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	3.5

Symphurus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	60.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	3.0	–	0.0
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	14.4	–	0.0
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	10.1	–	0.0
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.1	–	0.0
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.3	–	0.0
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	8.5	–	0.0
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	0.0
133.0	25.0	0.0	–	0.0	0.0	0.0	0.0	0.0	–	–	6.3	–	0.0
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.2	–	0.0
153.0	16.0	0.0	5.7	0.0	–	–	–	–	–	–	–	–	–
157.0	30.0	0.0	5.5	0.0	–	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Tetraodontidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	0.0

Disintegrated fish larva

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	55.0	–	–	–	–	2.3	0.0	0.0	–	–	0.0	–	–
67.0	50.0	–	–	–	–	0.0	3.3	0.0	–	–	0.0	–	–
80.0	51.0	0.0	–	3.1	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	60.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	80.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	43.0	0.0	0.0	0.0	2.5	0.0	3.1	0.0	–	–	0.0	–	0.0
83.0	51.0	0.0	0.0	0.0	11.6	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	80.0	–	–	–	0.0	–	13.2	–	–	–	–	–	–
87.0	40.0	0.0	0.0	0.0	11.8	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	60.0	7.7	0.0	–	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	80.0	–	–	–	3.1	–	0.0	–	–	–	–	–	–
90.0	37.0	0.0	3.0	0.0	0.0	0.0	2.7	0.0	–	–	0.0	–	0.0
90.0	45.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	50.0	0.0	–	2.9	0.0	0.0	0.0	0.0	–	–	–	–	–
90.0	60.0	0.0	0.0	0.0	2.7	0.0	6.6	0.0	–	–	0.0	–	0.0
90.0	70.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	80.0	–	–	3.1	3.5	3.0	–	0.0	–	–	0.0	–	0.0
93.0	27.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	30.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	40.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	45.0	–	–	–	–	3.1	0.0	0.0	–	–	–	–	–
93.0	60.0	–	–	2.7	0.0	0.0	0.0	0.0	–	–	0.0	–	–
93.0	70.0	–	–	10.4	0.0	0.0	0.0	0.0	–	–	–	–	–
97.0	30.0	0.0	0.0	0.0	2.5	–	0.0	0.0	–	–	0.0	–	0.0
97.0	32.0	0.0	0.0	9.2	0.0	–	0.0	0.0	–	–	0.0	–	0.0
97.0	35.0	–	–	–	–	–	1.3	0.0	–	–	–	–	–
97.0	40.0	10.3	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
97.0	60.0	–	–	0.0	3.0	–	0.0	0.0	–	–	0.0	–	–
100.0	29.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	4.6	–	0.0
100.0	30.0	0.0	0.0	5.5	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	30.0	0.0	0.0	0.0	2.5	–	0.0	0.0	–	–	0.0	–	0.0
103.0	35.0	0.0	0.0	0.0	2.4	–	0.0	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	3.5	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
103.0	45.0	–	–	–	10.4	–	0.0	0.0	–	–	–	–	–
103.0	50.0	0.0	0.0	3.3	1.3	–	0.0	0.0	–	–	–	–	0.0
103.0	55.0	–	–	–	0.0	–	1.6	0.0	–	–	–	–	–
103.0	70.0	–	–	0.0	1.3	–	1.4	0.0	–	–	–	–	–
103.0	75.0	–	–	–	2.8	–	1.3	0.0	–	–	–	–	–
107.0	35.0	3.2	19.7	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
107.0	40.0	0.0	13.3	0.0	0.0	–	0.0	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.
107.0	50.0	0.0	0.0	13.9	3.2	0.0	0.0	0.0	–	–	–	–	0.0
107.0	70.0	–	–	0.0	2.9	0.0	0.0	0.0	–	–	–	–	–
107.0	90.0	–	–	–	–	0.0	2.5	0.0	–	–	–	–	–
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	7.7	–	0.0
110.0	35.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	50.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	–	–	0.0	–	–
110.0	60.0	2.9	0.0	0.0	1.8	0.0	0.0	0.0	–	–	0.0	–	0.0
110.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	–	–	0.0	–	5.2
110.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.9	–	0.0
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	4.9
113.0	40.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	45.0	–	0.0	3.2	0.0	0.0	0.0	0.0	–	–	–	–	–
113.0	50.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–	–	–	0.0
113.0	55.0	–	0.0	3.3	0.0	0.0	0.0	0.0	–	–	–	–	–
113.0	60.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	–	–	–	–	0.0
113.0	70.0	–	0.0	3.9	0.0	0.0	0.0	0.0	–	–	–	–	0.0
113.0	80.0	–	–	–	0.0	0.0	3.2	0.0	–	–	–	–	–
117.0	26.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
117.0	30.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	–	–	4.8	–	0.0
117.0	35.0	0.0	0.0	0.0	3.2	0.0	1.8	0.0	–	–	0.0	–	0.0
117.0	45.0	–	0.0	3.2	3.1	0.0	0.0	0.0	–	–	–	–	–
117.0	50.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	–	–	–	–	0.0
120.0	25.0	0.0	11.6	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
120.0	30.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	35.0	2.9	0.0	0.0	0.0	0.0	1.7	0.0	–	–	0.0	–	0.0
120.0	40.0	4.6	5.3	0.0	0.0	0.0	13.7	0.0	–	–	–	–	0.0
120.0	45.0	3.1	2.2	6.1	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
120.0	50.0	3.3	0.0	0.0	0.0	0.0	9.0	0.0	–	–	0.0	–	0.0
120.0	60.0	0.0	0.0	2.9	0.0	–	0.0	0.0	–	–	0.0	–	0.0
120.0	65.0	–	–	–	2.8	–	–	–	–	–	–	–	–
120.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.5	–	–
120.0	100.0	0.0	0.0	2.8	–	–	–	–	–	–	–	–	–
123.0	40.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.4	–	0.0
123.0	45.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	–	–	–	–	–
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	0.0
127.0	34.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	45.0	0.0	15.2	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
127.0	60.0	–	–	0.0	0.0	0.0	2.3	0.0	–	–	0.0	–	–
130.0	35.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	–	–	0.0	–	0.0
130.0	50.0	3.2	2.7	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	55.0	–	–	–	2.4	–	–	–	–	–	–	–	–
130.0	60.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	30.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
133.0	40.0	0.0	12.2	2.5	0.0	–	0.0	0.0	–	–	–	–	0.0
133.0	60.0	–	–	1.4	–	–	–	–	–	–	–	–	–
137.0	23.0	5.5	0.0	0.0	0.0	0.0	0.0	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.
137.0	30.0	9.1	0.0	0.0	0.0	0.0	4.8	0.0	–	–	0.0	–	0.0
137.0	40.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	–	–	–	–	2.9
137.0	50.0	–	–	5.9	2.7	0.0	1.8	0.0	–	–	–	–	–
140.0	35.0	0.0	0.0	2.5	–	–	–	–	–	–	–	–	6.2
147.0	20.0	0.0	2.8	0.0	–	–	–	–	–	–	–	–	0.0
153.0	20.0	0.0	2.9	0.0	–	–	–	–	–	–	–	–	–
153.0	30.0	–	2.4	0.0	–	–	–	–	–	–	–	–	–
157.0	10.0	0.0	0.0	3.2	–	–	–	–	–	–	–	–	–
157.0	30.0	0.0	2.7	0.0	–	–	–	–	–	–	–	–	–

Unidentified fish larva

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	–	–	–	–	15.8	0.0	0.0	–	–	0.0	–	–
67.0	55.0	–	–	–	–	0.0	6.8	0.0	–	–	0.0	–	–
67.0	65.0	–	–	–	–	0.0	0.0	13.0	–	–	–	–	–
77.0	90.0	–	–	–	–	10.8	0.0	0.0	–	–	–	–	–
80.0	51.0	2.7	–	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
80.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	–	–	0.0	0.0	–
83.0	43.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	51.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	–	–	0.0	–	0.0
87.0	35.0	0.0	0.0	2.4	0.0	0.0	5.9	2.6	–	–	0.0	–	0.0
87.0	40.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	–	–	0.0	–	0.0
90.0	55.0	–	–	–	–	0.0	16.9	0.0	–	–	0.0	–	0.0
93.0	27.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	–	–	0.0	–	0.0
97.0	30.0	0.0	0.0	0.0	0.0	–	2.5	0.0	–	–	0.0	–	0.0
97.0	32.0	0.0	0.0	0.0	0.0	–	0.0	5.5	–	–	0.0	–	0.0
97.0	55.0	–	–	–	–	–	0.0	6.4	–	–	–	–	–
100.0	30.0	0.0	0.0	0.0	0.0	–	1.4	0.0	–	–	0.0	–	0.0
103.0	30.0	2.2	0.0	0.0	0.0	–	0.9	0.0	–	–	0.0	–	0.0
103.0	40.0	0.0	0.0	0.0	0.0	–	1.4	0.0	–	–	0.0	–	0.0
103.0	45.0	–	–	–	10.4	–	0.0	0.0	–	–	–	–	–
103.0	70.0	–	–	2.4	4.4	–	0.0	0.0	–	–	–	–	–
103.0	80.0	–	–	–	1.3	–	0.0	0.0	–	–	–	–	–
107.0	32.0	0.0	5.9	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
110.0	33.0	10.7	0.0	0.0	0.0	0.0	2.6	0.0	–	–	0.0	–	0.0
110.0	45.0	–	–	–	–	0.0	2.2	0.0	–	–	–	–	–
110.0	80.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	–	–	0.0	–	0.0
113.0	30.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	35.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
113.0	50.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	–	–	–	–	0.0
113.0	55.0	–	0.0	6.6	0.0	0.0	0.0	0.0	–	–	–	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	–	–	0.0	–	0.0
117.0	30.0	0.0	0.0	0.0	0.0	0.0	17.5	0.0	–	–	0.0	–	0.0
117.0	40.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	50.0	3.2	0.0	3.1	0.0	0.0	0.0	0.0	–	–	–	–	0.0
117.0	55.0	–	0.0	2.8	0.0	0.0	0.0	0.0	–	–	–	–	–
117.0	70.0	–	3.7	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
117.0	80.0	–	–	–	0.0	2.6	0.0	0.0	–	–	–	–	–
120.0	25.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	–	–	–	–	0.0
120.0	27.0	–	–	–	–	13.2	0.0	–	–	–	0.0	–	–
120.0	30.0	12.5	3.4	3.2	0.0	0.0	4.2	0.0	–	–	6.1	–	0.0
120.0	35.0	2.9	0.0	0.0	0.0	0.0	0.0	2.9	–	–	0.0	–	0.0
120.0	40.0	2.3	0.0	2.7	0.0	0.0	2.0	0.0	–	–	–	–	1.6
120.0	45.0	0.0	2.2	0.0	5.8	0.0	4.9	6.0	–	–	0.0	–	0.0
120.0	60.0	0.0	2.7	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
120.0	80.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	37.0	2.8	5.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	0.0
123.0	40.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	–	–	4.4	–	0.0
123.0	45.0	9.6	3.2	0.0	0.0	0.0	0.0	0.0	–	–	–	–	–
123.0	55.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
127.0	34.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	40.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	–	–	5.7	–	0.0
127.0	45.0	3.2	0.0	0.0	0.0	0.0	0.0	5.5	–	–	–	–	–
127.0	50.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
127.0	55.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	–	–	–	–	0.0
130.0	30.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	–	–	0.0	–	0.0
130.0	35.0	2.8	0.0	2.9	0.0	0.0	1.9	7.6	–	–	0.0	–	0.0
130.0	40.0	0.0	3.1	0.0	2.1	0.0	0.0	0.0	–	–	0.0	–	0.0
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	–	–	0.0	–	0.0
133.0	40.0	0.0	0.0	7.6	0.0	–	0.0	0.0	–	–	–	–	0.0
133.0	50.0	–	–	2.7	0.0	0.0	0.0	0.0	–	–	–	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	–	–	0.0	–	0.0
137.0	30.0	0.0	0.0	2.2	0.0	0.0	4.8	0.0	–	–	0.0	–	0.0
137.0	50.0	–	–	0.0	0.0	0.0	7.3	0.0	–	–	–	–	–
140.0	30.0	0.0	0.0	0.0	–	–	–	–	–	–	–	–	8.4
140.0	40.0	0.0	0.0	0.0	–	–	–	–	–	–	–	–	3.0
143.0	26.0	0.0	0.0	0.0	–	–	–	–	–	–	–	–	4.6
147.0	20.0	0.0	2.8	0.0	–	–	–	–	–	–	–	–	0.0
147.0	25.0	0.0	2.7	0.0	–	–	–	–	–	–	–	–	0.0
150.0	19.0	0.0	0.0	0.0	–	–	–	–	–	–	–	–	8.9
157.0	10.0	0.0	0.0	80.5	–	–	–	–	–	–	–	–	–
157.0	20.0	0.0	3.7	0.0	–	–	–	–	–	–	–	–	–
157.0	30.0	6.3	5.5	0.0	–	–	–	–	–	–	–	–	–

TABLE 5. Summary of pooled occurrences of all larval fish taxa taken on CalCOFI surveys from 1951 to 1960. Taxa are listed in the same order as Table 4.

Name	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Albula vulpes	3	-	-	-	-	-	1	-	-	-
Anguilliformes	35	26	15	30	4	11	33	36	33	16
Etrumeus acuminatus	25	18	28	28	5	8	27	45	31	29
Opisthonema spp.	1	4	-	1	-	4	3	4	1	-
Sardinops sagax	167	269	221	375	255	167	174	193	172	142
Engraulidae	-	-	-	-	1	-	-	2	2	-
Engraulis mordax	394	524	686	760	569	537	581	785	888	979
Alepocephalidae	2	-	-	-	1	-	-	-	-	-
Argentina sialis	55	68	89	110	81	77	56	31	30	53
Microstoma microstoma	21	28	18	39	22	17	16	34	25	23
Nansenia candida	29	17	18	27	8	13	7	17	13	20
Nansenia crassa	50	63	65	47	61	32	74	49	27	38
Bathylagus spp.	-	-	-	1	3	1	4	13	7	3
Bathylagus milleri	1	-	-	1	1	2	-	1	1	1
Bathylagus ochotensis	153	222	208	195	162	171	111	237	106	190
Bathylagus pacificus	12	15	4	11	2	-	2	24	13	2
Bathylagus wesethi	259	370	258	365	286	157	298	377	275	184
Leuroglossus schmidti	-	-	-	-	-	3	-	-	-	-
Leuroglossus stilbius	402	502	612	517	508	465	343	350	324	505
Osmeridae	-	-	-	-	-	2	-	-	-	2
Stomiiformes	-	1	16	6	3	3	2	9	13	17
Cyclothone spp.	253	283	161	184	184	74	240	317	514	271
Diplophos taenia	8	1	-	4	1	3	3	28	36	18
Ichthyococcus spp.	16	23	12	26	30	3	18	37	43	8
Vinciguerria lucetia	532	474	329	425	338	225	574	882	1209	635
Sternoptychidae	38	67	68	49	41	29	63	86	94	66
Chauliodus macouni	55	69	47	54	49	54	48	75	72	69
Idiacanthus antrostomus	48	31	14	19	10	6	19	33	38	36
Aristostomias scintillans	16	8	10	2	4	2	10	11	11	5
Bathophilus spp.	4	-	2	1	5	3	4	4	7	10
Tactostoma macropus	20	15	-	11	-	-	9	2	2	7
Stomias atriventer	96	120	86	124	87	20	67	182	181	142
Myctophiformes	-	-	-	-	-	-	-	-	-	2
Anotopterus pharao	1	-	-	-	-	-	1	-	-	-
Evermannellidae	-	-	-	-	1	-	-	-	6	3
Paralepididae	169	179	95	123	80	59	92	145	165	108
Aulopus spp.	1	-	-	-	-	-	1	-	-	-
Scopelosaurus spp.	-	-	-	-	1	1	-	3	16	15
Scopelarchidae	59	54	17	28	34	16	43	50	93	63
Myctophidae	99	186	59	53	60	55	175	174	245	317
Ceratoscopelus townsendi	140	78	33	41	58	36	165	159	373	156
Diaphus spp.	116	156	63	111	81	101	66	90	103	76
Lampadena urophaos	39	22	-	10	10	14	63	44	120	46
Lampanyctus spp.	576	555	393	154	58	45	125	121	260	209
Lampanyctus regalis	-	-	-	19	19	14	26	28	46	12
Lampanyctus ritteri	-	-	-	308	296	214	306	416	429	311

TABLE 5. (cont.)

Name	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Notolychnus valdiviae	5	4	4	2	1	2	-	1	3	12
Notoscopelus resplendens	16	4	10	8	23	1	31	24	76	64
Stenobrachius leucopsarus	369	405	365	452	251	395	267	361	327	386
Triphoturus mexicanus	589	715	573	565	475	322	641	768	1069	808
Centrobranchus spp.	-	-	-	-	-	-	-	-	-	1
Diogenichthys spp.	10	3	2	-	6	3	30	35	79	97
Diogenichthys atlanticus	109	112	68	87	90	85	109	126	116	121
Diogenichthys laternatus	230	233	232	346	265	113	412	416	442	210
Electrona rissoi	15	4	4	-	1	-	-	-	2	1
Gonichthys tenuiculus	49	44	38	45	37	12	81	126	181	55
Hygophum spp.	29	20	23	10	6	6	15	47	91	73
Hygophum atratum	47	35	33	36	43	22	88	96	138	21
Hygophum proximum	-	-	-	-	-	-	-	-	-	2
Hygophum reinhardtii	17	14	1	5	13	7	20	6	16	44
Loweina rara	19	18	33	29	14	5	7	8	9	10
Myctophum aurolaternatum	6	-	-	1	1	4	3	13	4	4
Myctophum nitidulum	30	34	7	11	13	13	27	56	105	43
Protomyctophum crockeri	370	345	211	293	312	243	254	360	424	417
Symbolophorus californiensis	206	183	132	146	102	60	142	216	191	109
Tarletonbeania crenularis	306	399	243	164	103	236	116	90	113	222
Synodus spp.	41	63	44	82	41	39	70	53	66	51
Bregmaceros spp.	2	-	-	1	3	-	13	11	13	19
Merluccius productus	351	366	417	543	439	365	331	541	340	468
Moridae	1	-	-	-	-	-	5	-	-	-
Physiculus spp.	9	-	-	-	-	2	8	5	2	3
Macrouridae	5	4	6	15	3	6	2	7	3	4
Ophidiiformes	68	53	52	37	26	37	74	61	43	41
Brosmophycis marginata	9	18	9	19	6	12	14	16	10	3
Carapidae	2	1	1	3	1	2	-	4	-	1
Chilara taylori	6	17	-	8	14	9	6	-	17	8
Ophidion scrippsae	17	13	5	17	4	19	53	15	44	43
Porichthys spp.	2	-	1	-	-	-	-	-	-	1
Antennariidae	1	-	-	-	-	-	1	-	-	-
Ceratioidei	3	3	-	2	-	2	16	16	50	19
Lophiidae	-	-	-	-	-	-	-	-	1	-
Gobiesocidae	-	1	-	-	1	-	1	1	-	1
Exocoetidae	8	2	6	1	-	1	5	1	6	4
Hemiramphidae	5	-	-	-	-	-	1	1	-	-
Cololabis saira	53	28	42	22	54	23	14	28	20	16
Atherinidae	2	6	3	7	3	3	1	2	1	1
Trachipteridae	32	40	28	17	13	12	28	31	12	32
Melamphaes spp.	221	233	151	189	166	138	212	238	209	157
Poromitra spp.	1	4	12	28	4	18	21	4	17	19
Scopeloberyx robustus	-	-	-	-	-	-	-	-	-	3
Scopelogadus bispinosus	4	4	1	15	6	5	26	27	60	26
Fistulariidae	-	-	-	-	-	-	-	1	-	-
Macroramphosus gracilis	1	-	-	-	2	-	2	-	1	1
Syngnathus spp.	5	6	12	4	6	2	5	2	3	7

TABLE 5. (cont.)

Name	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Agonidae	2	4	12	23	10	7	11	11	8	8
Anoplopoma fimbria	-	1	1	-	-	-	-	-	-	-
Cottidae	24	36	22	49	57	37	31	20	27	30
Scorpaenichthys marmoratus	6	8	3	17	4	13	3	6	4	6
Cyclopteridae	4	13	16	8	5	8	3	4	2	11
Hexagrammidae	1	-	-	-	-	-	1	2	-	1
Ophiodon elongatus	-	1	-	-	2	1	1	3	-	-
Oxylebius pictus	-	-	4	3	-	7	4	12	3	9
Zaniolepis spp.	-	1	9	5	4	9	2	6	6	9
Scorpaenidae	10	9	2	-	-	1	1	-	2	2
Scorpaena spp.	-	-	-	-	-	15	30	9	28	29
Sebastes spp.	600	686	771	841	637	613	558	665	602	572
Sebastolobus spp.	24	16	2	1	-	2	5	2	10	25
Prionotus spp.	24	19	12	13	-	19	30	25	28	17
Blennioidei	2	-	-	-	-	1	2	-	-	1
Bathymasteridae	-	-	-	-	-	-	-	-	-	1
Hypsoblennius spp.	18	32	38	27	14	11	26	51	59	47
Clinidae	7	4	12	19	15	17	14	20	15	18
Gobiidae	116	107	61	113	56	71	93	84	108	67
Icosteus aenigmaticus	1	4	-	-	-	1	-	-	2	3
Labridae	74	135	93	124	57	39	97	82	122	75
Pomacentridae	-	-	-	14	-	8	24	9	18	2
Chromis punctipinnis	37	27	-	21	4	18	12	16	16	38
Hypsypops rubicundus	-	-	-	-	-	-	-	-	2	-
Mugil spp.	2	-	-	1	-	2	1	-	9	3
Apogonidae	1	-	2	-	-	-	-	3	5	4
Brama spp.	4	1	-	2	2	-	15	5	9	6
Carangidae	15	14	-	9	-	9	10	15	26	12
Seriola spp.	-	-	-	1	-	-	-	-	1	1
Seriola lalandi	-	-	-	5	2	11	36	7	36	21
Trachurus symmetricus	372	419	322	373	369	217	295	328	286	227
Coryphaena hippurus	-	-	-	-	-	6	24	13	27	7
Gerreidae	-	-	-	-	-	-	13	5	7	8
Haemulidae	-	-	-	-	-	-	14	6	11	17
Girella nigricans	-	5	-	1	-	3	3	4	2	4
Medialuna californiensis	9	11	-	17	5	5	12	2	1	4
Caulolatilus princeps	-	-	-	12	4	8	10	2	10	9
Mullidae	-	-	-	-	-	-	-	-	6	-
Priacanthidae	-	-	-	-	-	-	-	-	1	-
Sciaenidae	12	61	30	90	61	58	70	76	71	74
Serranidae	20	29	10	29	1	8	17	31	66	39
Gempylidae	2	1	-	-	-	-	-	6	4	10
Scombridae	-	1	-	1	2	-	7	4	3	40
Auxis spp.	9	1	1	1	-	9	23	3	20	-
Euthynnus spp.	-	-	-	-	-	-	-	-	3	-
Sarda chiliensis	-	-	-	-	-	4	1	2	9	2
Scomber japonicus	59	73	97	119	93	39	71	81	65	45
Scomberomorus spp.	1	-	-	-	-	1	1	3	2	-

TABLE 5. (cont.)

Name	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
Thunnus albacares	-	-	-	-	-	-	-	8	2	-
Trichiuridae	23	31	16	36	25	28	47	24	61	45
Sphyraena argentea	14	16	5	6	3	14	15	15	27	28
Icichthys lockingtoni	125	139	114	125	105	95	70	79	74	86
Nomeidae	-	-	-	-	-	-	5	2	9	3
Peprilus simillimus	14	50	28	38	47	34	37	26	22	12
Tetragonurus cuvieri	29	17	8	10	65	146	124	17	26	29
Chiasmodontidae	24	33	16	31	24	14	57	59	75	34
Uranoscopidae	1	-	-	-	-	-	1	1	1	2
Pleuronectiformes	9	13	48	46	13	6	5	11	5	16
Bothidae	-	1	-	-	-	-	-	-	-	-
Bothus spp.	3	-	1	3	1	2	4	8	4	2
Citharichthys spp.	428	524	561	147	158	82	127	118	121	151
Citharichthys fragilis	-	-	-	152	107	93	125	101	106	137
Citharichthys platophrys	-	-	-	-	-	-	-	-	1	-
Citharichthys sordidus	-	-	-	109	56	59	62	69	48	20
Citharichthys stigmaeus	-	-	-	347	206	207	191	136	134	101
Citharichthys xanthostigma	-	-	-	189	163	106	208	80	118	117
Etropus spp.	-	-	-	4	-	-	16	16	20	14
Hippoglossina spp.	1	-	-	-	-	-	-	-	-	1
Hippoglossina stomata	13	27	42	57	22	34	44	33	32	39
Paralichthys spp.	-	-	-	-	-	-	-	1	-	1
Paralichthys californicus	18	50	19	42	22	23	30	48	37	39
Syacium ovale	5	2	1	3	-	2	6	8	8	1
Xystreurys liolepis	3	16	10	5	4	1	7	2	5	8
Eopsetta jordani	-	1	-	-	-	-	-	-	-	-
Glyptocephalus zachirus	12	25	6	9	5	8	11	14	8	7
Hypsopsetta guttulata	-	-	2	-	-	-	1	3	-	1
Isopsetta isolepis	-	-	-	-	-	-	-	1	-	-
Lyopsetta exilis	51	80	68	116	57	74	90	50	48	50
Microstomus pacificus	28	30	17	17	30	19	26	20	20	15
Parophrys vetulus	-	31	45	51	50	36	39	62	29	30
Pleuronichthys spp.	14	14	10	18	23	18	7	13	7	10
Pleuronichthys coenosus	17	6	13	11	17	3	5	5	5	5
Pleuronichthys decurrens	4	4	4	2	4	2	3	4	4	3
Pleuronichthys ritteri	1	8	9	-	4	5	3	3	2	2
Pleuronichthys verticalis	3	44	24	31	26	33	40	7	7	36
Psettichthys melanostictus	-	-	-	5	-	1	5	5	3	2
Symphurus spp.	45	50	36	35	11	49	80	40	75	64
Balistidae	1	-	-	-	-	-	-	1	-	-
Tetraodontidae	2	-	-	-	1	-	-	-	-	-
Disintegrated fish larva	229	253	74	63	124	103	193	258	361	482
Unidentified fish larva	187	218	284	161	99	100	129	181	272	343

TABLE 6. List of stations with multiple occupancies in one month during 1955. Stations were occupied twice in one month except those indicated by an asterisk, which were occupied three times.

Station			Month
103.0	35.0		4
103.0	40.0		4
103.0	50.0		4
103.0	60.0		4
103.0	70.0		4
103.0	80.0		4
107.0	80.0		4
110.0	60.0		4
110.0	80.0		4
113.0	60.0		4
117.0	60.0		4
120.0	35.0		4
120.0	45.0		4
120.0	50.0		4
120.0	55.0		4
120.0	60.0	*	4
120.0	70.0		4
120.0	80.0		4
123.0	50.0		4
123.0	60.0		4
127.0	50.0		4
127.0	60.0		4
130.0	50.0		4
130.0	60.0		4
97.0	30.0		6
97.0	32.0		6
97.0	35.0		6
97.0	40.0		6
97.0	45.0		6
97.0	50.0		6
97.0	55.0		6
100.0	29.0		6
100.0	30.0		6
100.0	35.0		6
100.0	40.0		6
100.0	45.0		6
100.0	50.0		6
100.0	55.0		6
103.0	30.0		6
103.0	35.0		6
103.0	40.0		6
103.0	45.0		6
103.0	50.0		6
103.0	55.0		6
103.0	60.0		6
103.0	65.0		6
103.0	70.0		6
103.0	75.0		6
103.0	80.0		6
103.0	85.0		6
103.0	90.0		6
107.0	32.0		6
107.0	35.0		6
107.0	40.0		6

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