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ICHTHYOPLANKTON AND STATION DATA FOR CALIFORNIA COOPERATIVE OCEANIC FISHERIES INVESTIGATIONS SURVEY CRUISES IN 1957

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NOAA-TM-NMFS-SWFC-85

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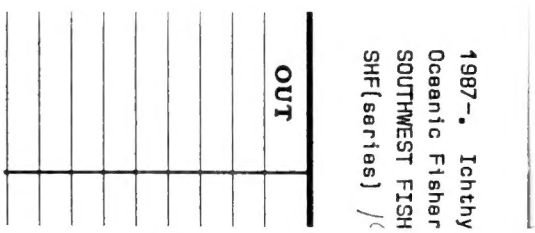

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ABSTRACT

This report provides ichthyoplankton and associated station and tow data from California Cooperative Oceanic Fisheries Investigations (CalCOFI) cruises conducted off California and Baja California in 1957. It is the seventh report in a series that presents these data for all biological-oceanographic CalCOFI surveys from 1951 to the present. A total of 1483 stations was occupied during 12 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 149 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 seventh 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 1957. 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 1957 have been published in a number of forms. Hydrographic data (Reid et al., 1965), zooplankton volumes (Thrailkill, 1959; Smith, 1971) and ichthyoplankton data for selected species (Ahlstrom, 1959) 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 sardine, anchovy, jack mackerel and Pacific mackerel larvae. Distribution maps of larvae of 5 of these taxa taken on CalCOFI surveys during 1957 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 1957.

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 1957 were subjected to an extensive verification and editing process to produce this report. This and previous (Ambrose et al., 1987a, b; Sandknop et al., 1987; Stevens et al., 1987a, b; 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 1957, CalCOFI survey cruises were conducted at monthly intervals. A total of 1483 stations included in this data base was occupied on 12 cruises, with an average of 124 stations per cruise (range of 23-253). Coverage of the survey station pattern varied among cruises (Figures 1-13, Table 1) with the most extensive occurring in June (lines 60-157). The area off northern California (lines 40-57) was not surveyed in 1957, and

coverage off central California (lines 60-77) was limited to cruises in May, June, July, and November. The area between Pt. Conception, California and Cape San Lucas, Baja California (lines 80-157) was surveyed during three cruises: February, April, and June, with the cruise in March ending at line 150. Cruises in January, August, and September were limited to waters off Baja California, while cruises in November and December were primarily confined to waters off southern California. Coverage extended seaward to station 90 (approximately 160-250 miles offshore)[1] on most cruises except during August, September, November, and December when mostly nearshore stations were surveyed.

Six vessels were employed on these cruises: the *Black Douglas* of NMFS, the *Horizon*, *Orca*, *Paolina T*, *Spencer F. Baird*, and *Stranger* of SIO. One to four vessels participated on each cruise, with cruises in May, June, and July employing the maximum of four ships. The *Black Douglas* participated in 7 cruises and the *Orca* and *Stranger* in 6 cruises; the other 3 ships participated in a total of 8 cruises (Ahlstrom, 1959).

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. On parts of 10 cruises during 1957 (5701-5707; 5709-5711) the standard net was replaced with one constructed of nylon. Construction of the nets was similar; however, the nylon nets had mesh sizes of 0.471 mm for the net body and 0.280 mm for the end of the cone and the cod end (Smith, 1971). 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).

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[1]CalCOFI lines (Figure 14) are arranged perpendicular to the coastline and extend from the Canadian border (line 10) to below Cape San Lucas, Baja California (line 157). Stations were established on the basis of a perpendicular to line 80 (off Pt. Conception) at a point designated as station 60. Stations were plotted seaward and shoreward from station 60 on each line. Cardinal CalCOFI lines (those ending in "0") are 120 miles apart and usually bracket two ordinal lines (ending in "3" or "7"), so that lines are 40 miles apart over most of the pattern. Cardinal stations are 40 miles apart and typically these are separated by a station number ending in "5" so that stations are 20 miles apart out to station 90 on most lines. Stations are placed at closer intervals near the coast and islands to accommodate these features (see Kramer et al., 1972 for further details).

The standard tow 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 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 1957 are listed in Thrailkill (1959) and presented graphically in 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 1957 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

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

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:

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

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 1957. 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 147 taxa was identified for 1957, with 79 taken to species, 31 to genus, 31 to family, 2 to suborder, 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. Several major taxa were recognized beginning in 1957; these

included larvae in the families Gerreidae, Haemulidae, and Nomeidae.

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 1957 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.

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

Bathophilus spp. - all specimens checked.

Tactostoma macropus - all specimens checked.

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

Aulopus spp. - specimen checked; originally identified in "Iniomi" group.

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* begun in 1954.

Lampanyctus regalis - underrepresented because of inabililty 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.

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. No original identifications were recorded in 1957.

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

Myctophum aurolaternatum - all specimens checked; originally identified as "Astronesthidae".

Protomyctophum crockeri - some samples on northern lines may contain *P. thompsoni*, which was not identified at the time; specimens south of line 130 checked.

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*, *"Otophidium"*, "Zoarcidae", and "blenny"; identifications of *B. marginata* proved to be mostly correct and "Zoarcidae" to be a yet unidentified ophidiiform species; all *"Otophidium"* and "blenny" were reexamined and the former included *Ophidion scrippsae*, *Chilara taylori* and other ophidiiform taxa (moved to order); "blenny" contained *O. scrippsae*, *C. taylori*, and other ophidiiform taxa in addition to true blennioids.

Antennariidae - specimen checked.

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

Hemiramphidae - specimen checked.

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

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

Oxylebius pictus - all specimens checked; all records were original identifications.

Zaniolepis spp. - all specimens checked; some specimens originally identified as *Oxylebius pictus*.

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

Sebastolobus spp. - this category is underrepresented and additional specimens may be in *Sebastes* spp.

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

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.

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

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 - tentative and sporadic identifications to genus were lumped to family; this taxon not identified in earlier years.

Haemulidae - tentative and sporadic identifications to genus were lumped to family; this taxon not identified in earlier years.

Girella nigricans - all specimens examined.

Medialuna californiensis - all specimens examined.

Caulolatilus princeps - all specimens checked.

Sciaenidae - tentative and sporadic identification 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 - tentative identifications to genus lumped to family; not recorded in earlier years.

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*.

Syacium ovale - all specimens examined (originally called "spiny-headed bothid").

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

Glyptocephalus zachirus - all specimens examined.

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

Microstomus pacificus - all specimens examined.

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

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 30% of all fish larvae taken on CalCOFI cruises during 1957 and numbered twice as many as Pacific hake (*Merluccius productus*), the next most abundant species (Tables 2, 3). Incidence of anchovy was high (2nd), but hake incidence was comparatively low (7th), indicating relatively large sample sizes. The next most abundant species, *Vinciguerria lucetia*, a midwater gonostomatid, was widespread in samples from the southern part of the CalCOFI pattern; it ranked 3rd in abundance (11.6%) and also in occurrence. Rockfish larvae, *Sebastes* spp., a composite of about 70 species, ranked 4th in abundance (7.2%)and also in occurrence. The deepsea smelt, *Leuroglossus stilbius*, and jack mackerel, *Trachurus symmetricus*, were the next most abundant species, ranking 5th and 6th in abundance and 6th and 10th, respectively, in occurrence. Three midwater lanternfishes, *Stenobrachius leucopsarus*, *Triphoturus mexicanus*, and *Diogenichthys laternatus*,

ranked 7th, 8th, and 9th in abundance, with *Triphoturus mexicanus* ranking 1st in occurrence, reflecting its widespread distribution in the southern region of the CalCOFI pattern. The 10th ranked taxon was the sardine, *Sardinops sagax*, which ranked 19th in occurrence. These 10 top-ranking taxa contributed 85.1% of all larvae taken during 1957. The remaining 14.9% is represented by 137 taxa plus the unidentified and disintegrated categories. Of the 10 taxa, 5 were midwater species, 3 were coastal pelagic species, and 2 were coastal demersal species or generic groupings.

EXPLANATION OF TABLES

Table 1 - This table lists by cruise the pertinent station and tow data for 1957, 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 2-13). 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 1957. 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*; HO, *Horizon*, OR, *Orca*; PT, *Paolina T*; SB, *Spencer F. Baird*; ST, *Stranger*.

Table 2 - This table lists pooled occurrences of all larval fish taxa taken during 1957 in ranked order.

Table 3 - This table lists pooled counts of all larval fish taxa taken during 1957 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 1957.

ACKNOWLEDGMENTS

Lois Hunter was primarily responsible for the original identifications of larvae from CalCOFI cruises in 1957. Elbert Ahlstrom, Elizabeth Stevens, and Elaine Sandknop identified larvae from some of the samples. Ronald Whyte coded each larval fish taxon or type and Rita Ford entered them into the computer. 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.

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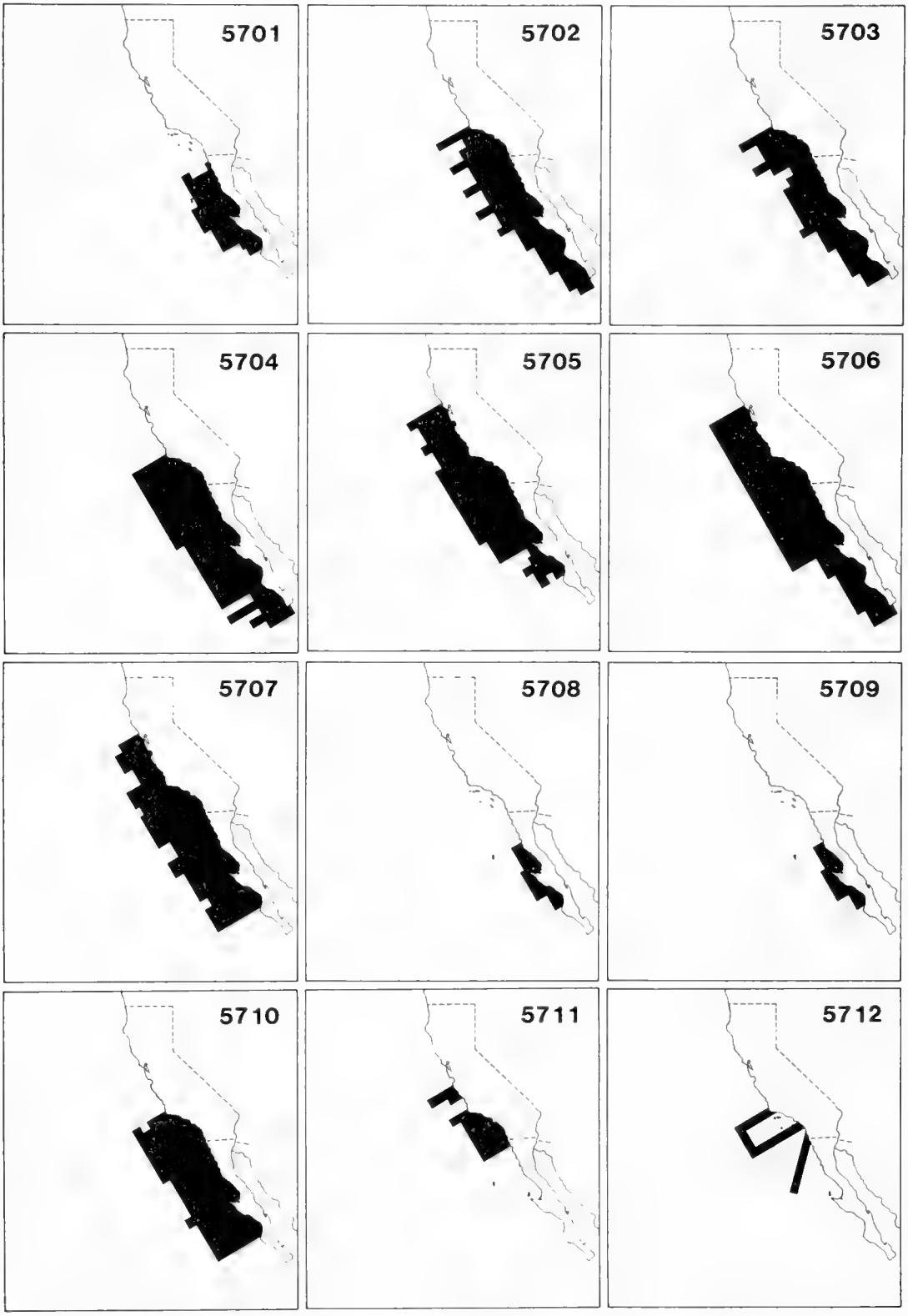

Figure 1. Composite arrangement of diagrammatic charts showing areas sampled on each CalCOFI cruise during 1957.

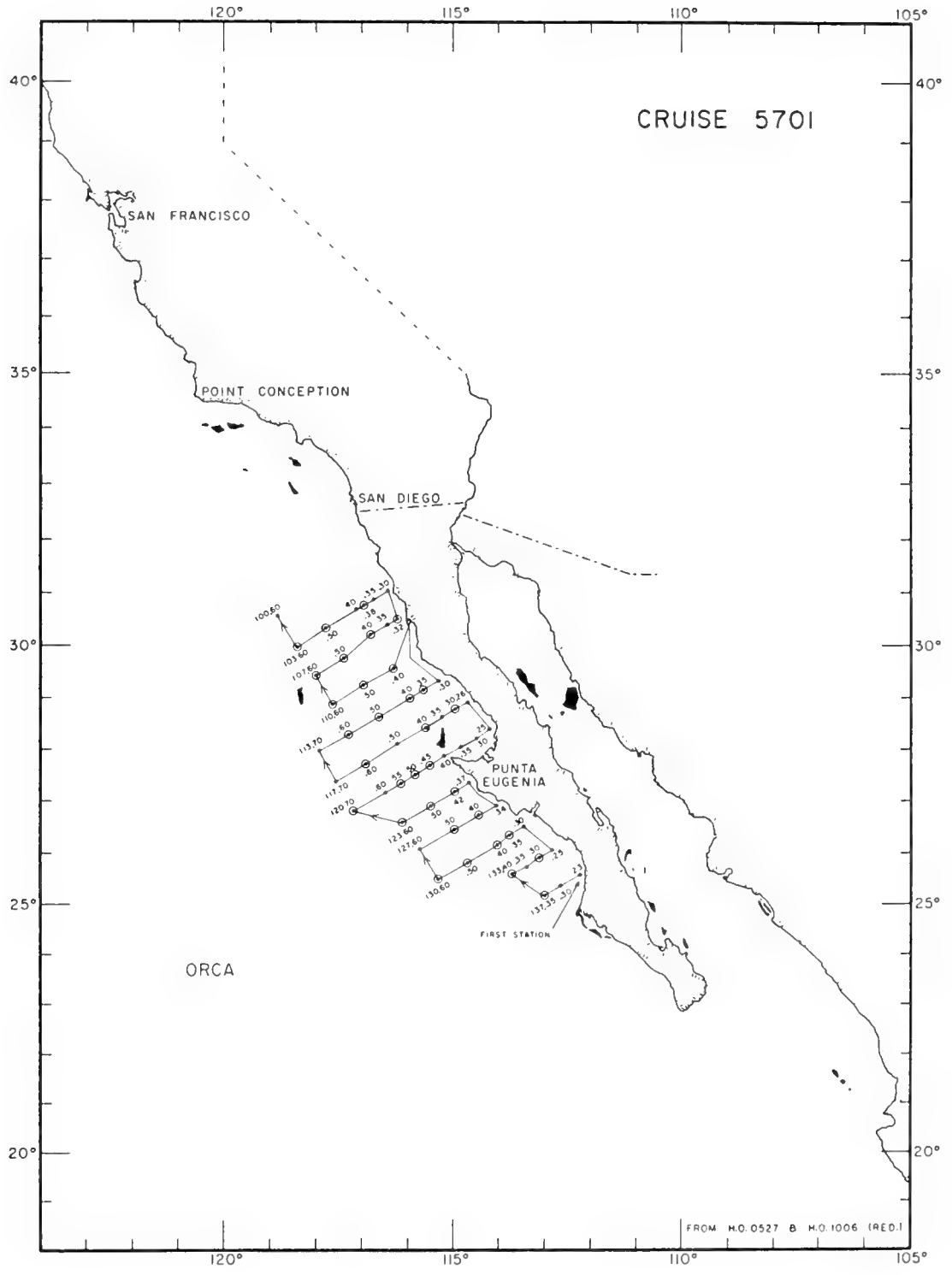

Figure 2. Station pattern for CalCOFI Cruise 5701 showing tracks for each vessel. Stations with plankton tows only are indicated by a dot; those with plankton tows and hydrographic measurements are shown by a dot and circle. Modified from charts in Reid et al. (1965) to include only those stations listed in Table 1 of this report.

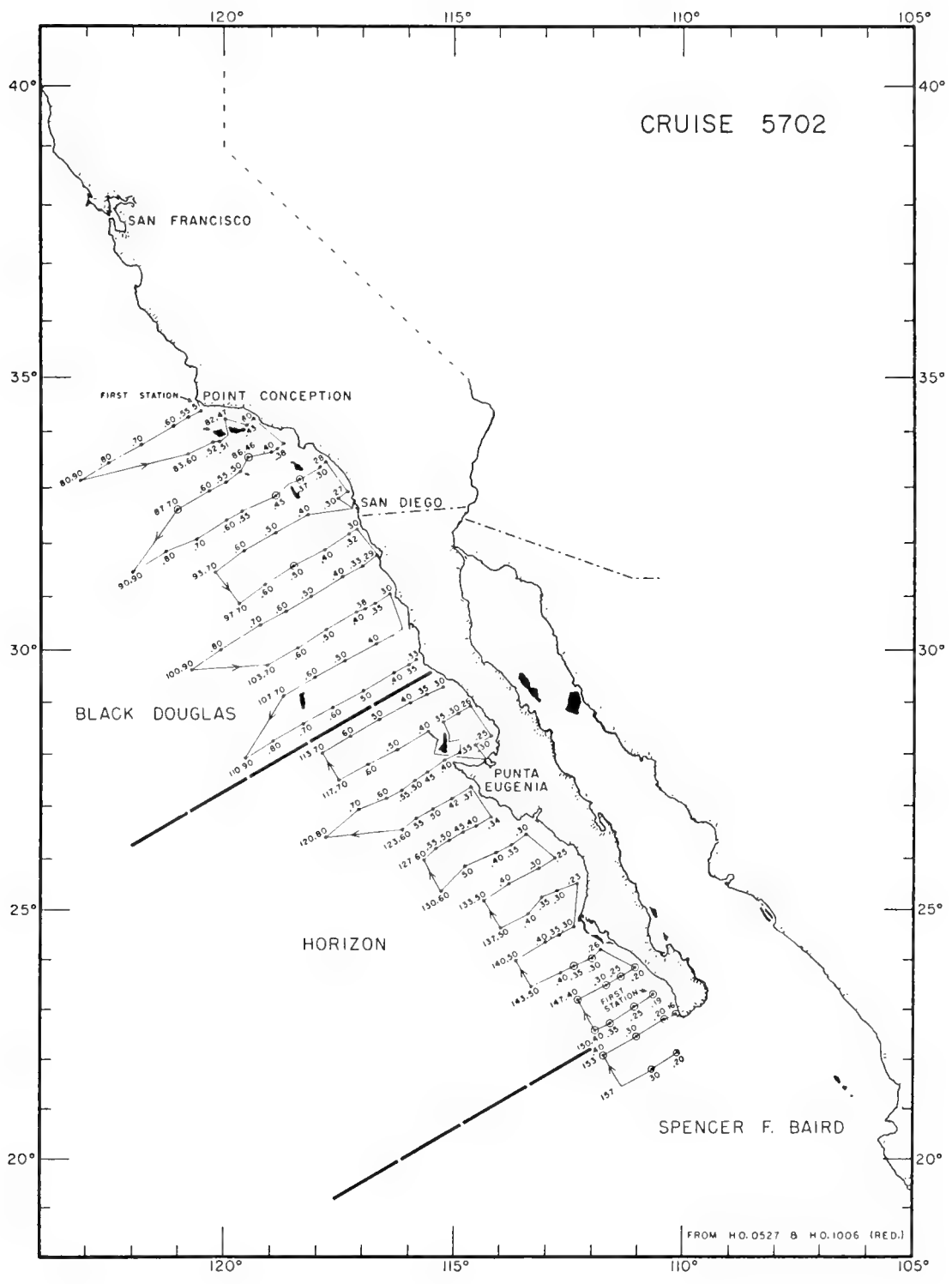

Figure 3. Station pattern for CalCOFI Cruise 5702. Symbols as in Figure 2.

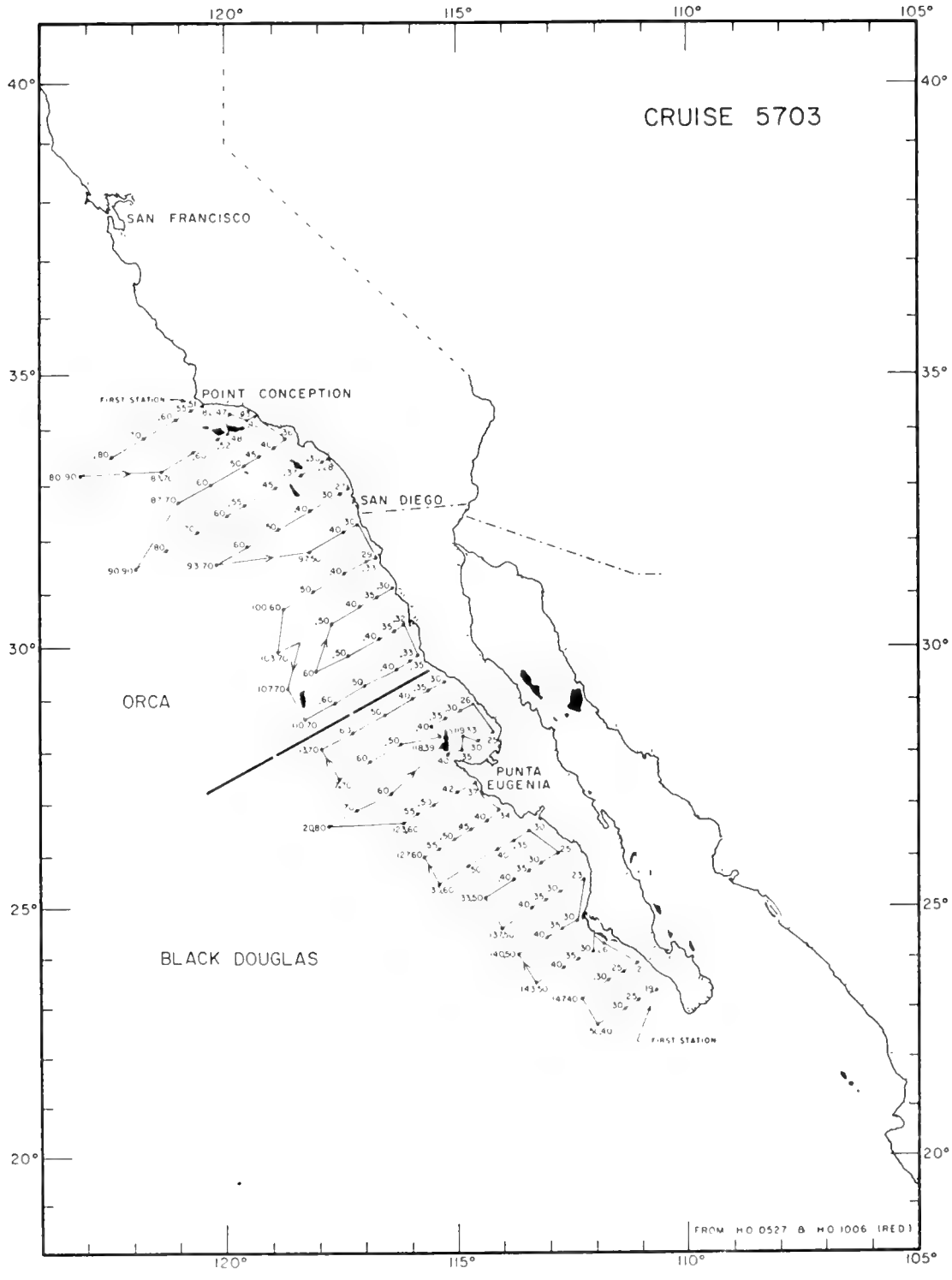

Figure 4. Station pattern for CalCOFI Cruise 5703. Symbols as in Figure 2.

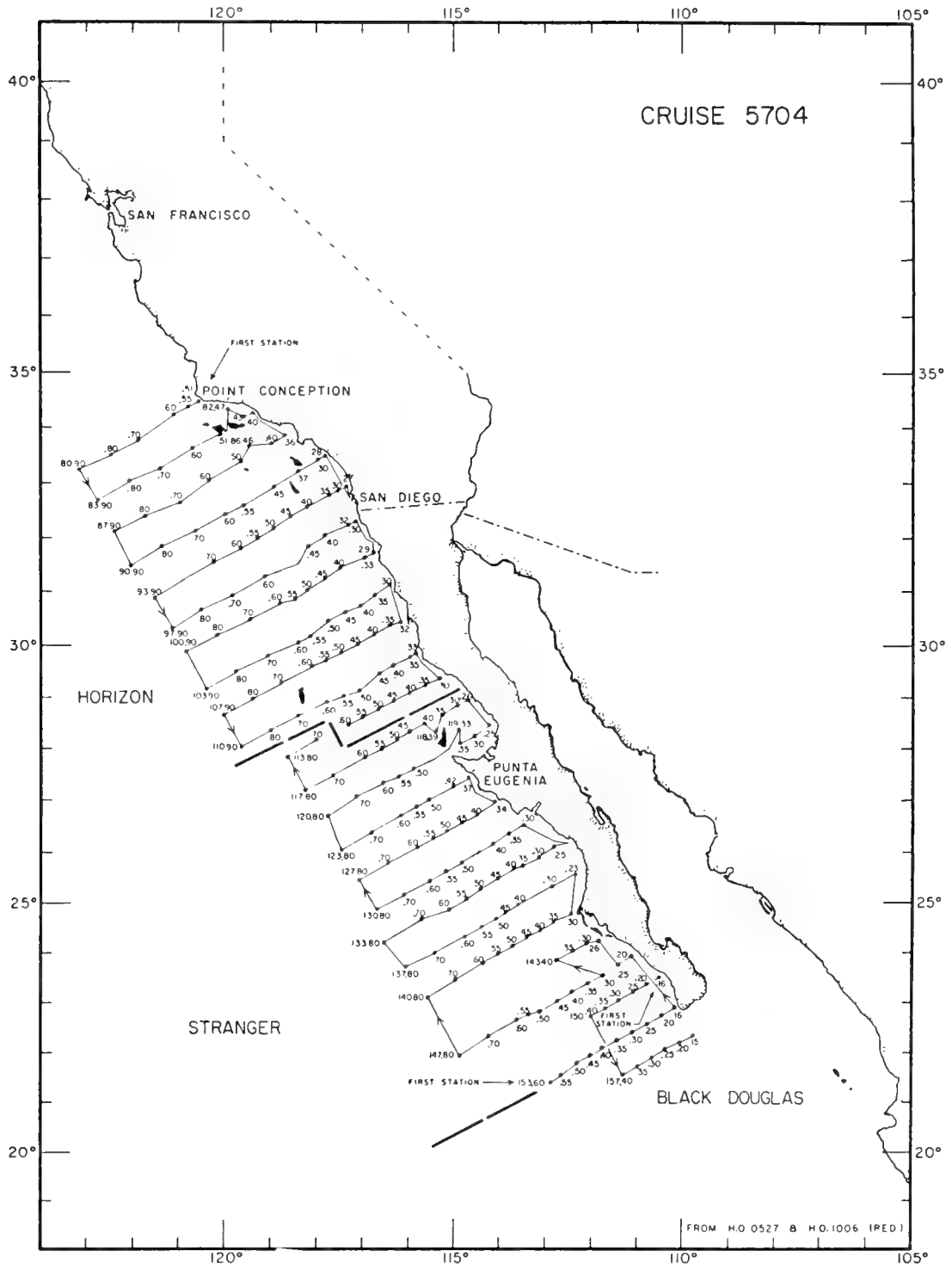

Figure 5. Station pattern for CalCOFI Cruise 5704. Symbols as in Figure 2.

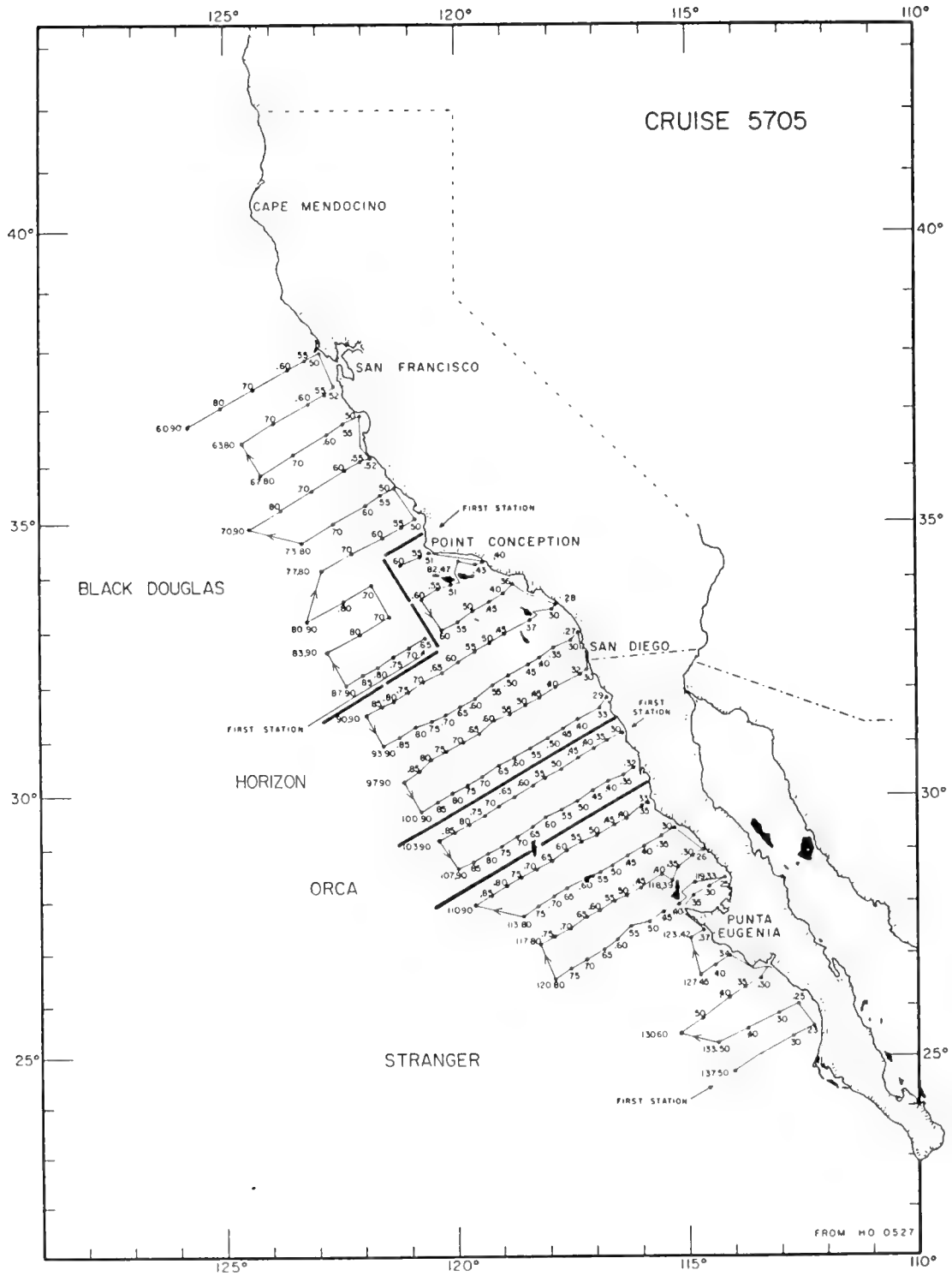

Figure 6. Station pattern for CalCOFI Cruise 5705. Symbols as in Figure 2.

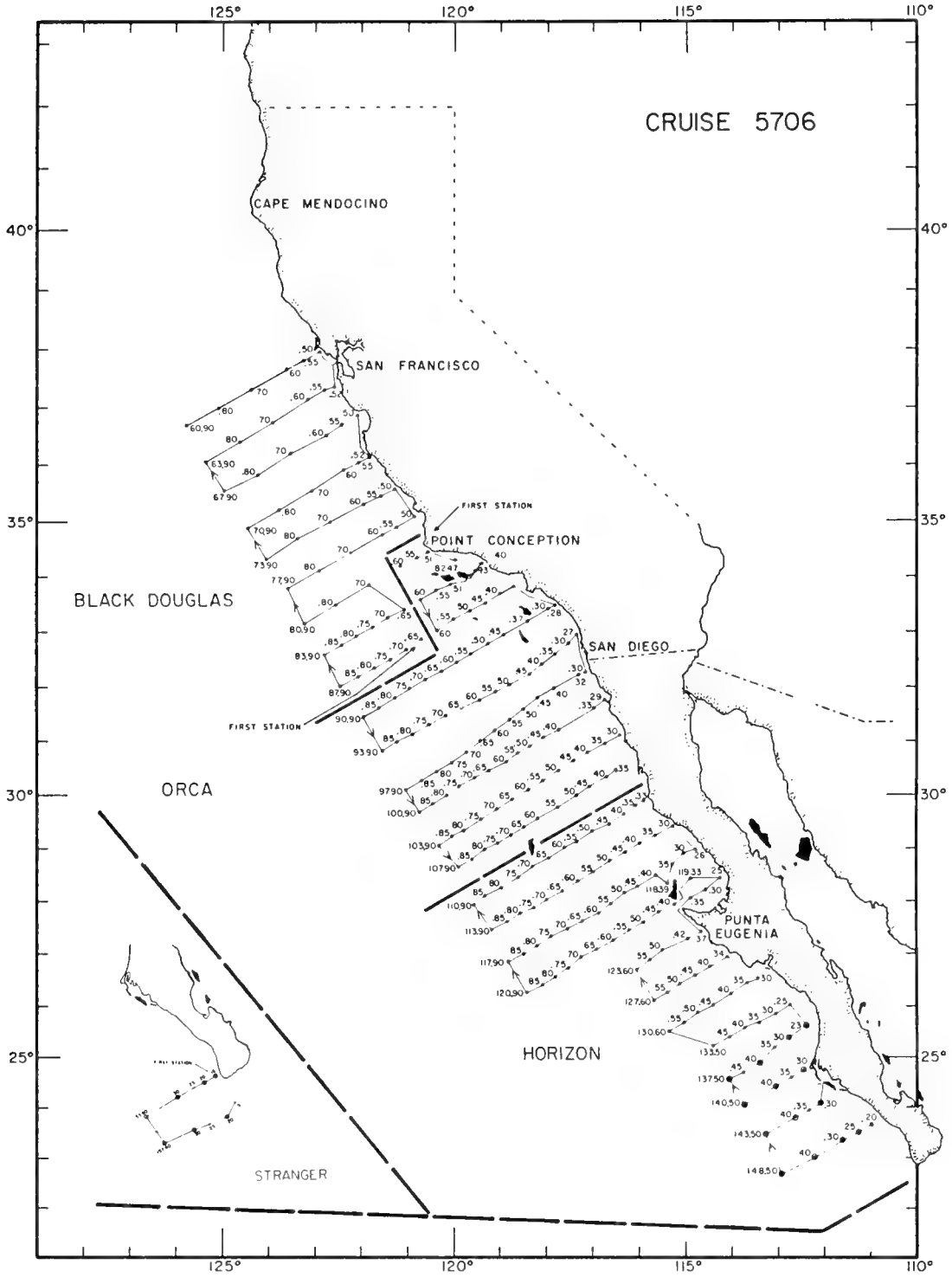

Figure 7. Station pattern for CalCOFI Cruise 5706. Symbols as in Figure 2.

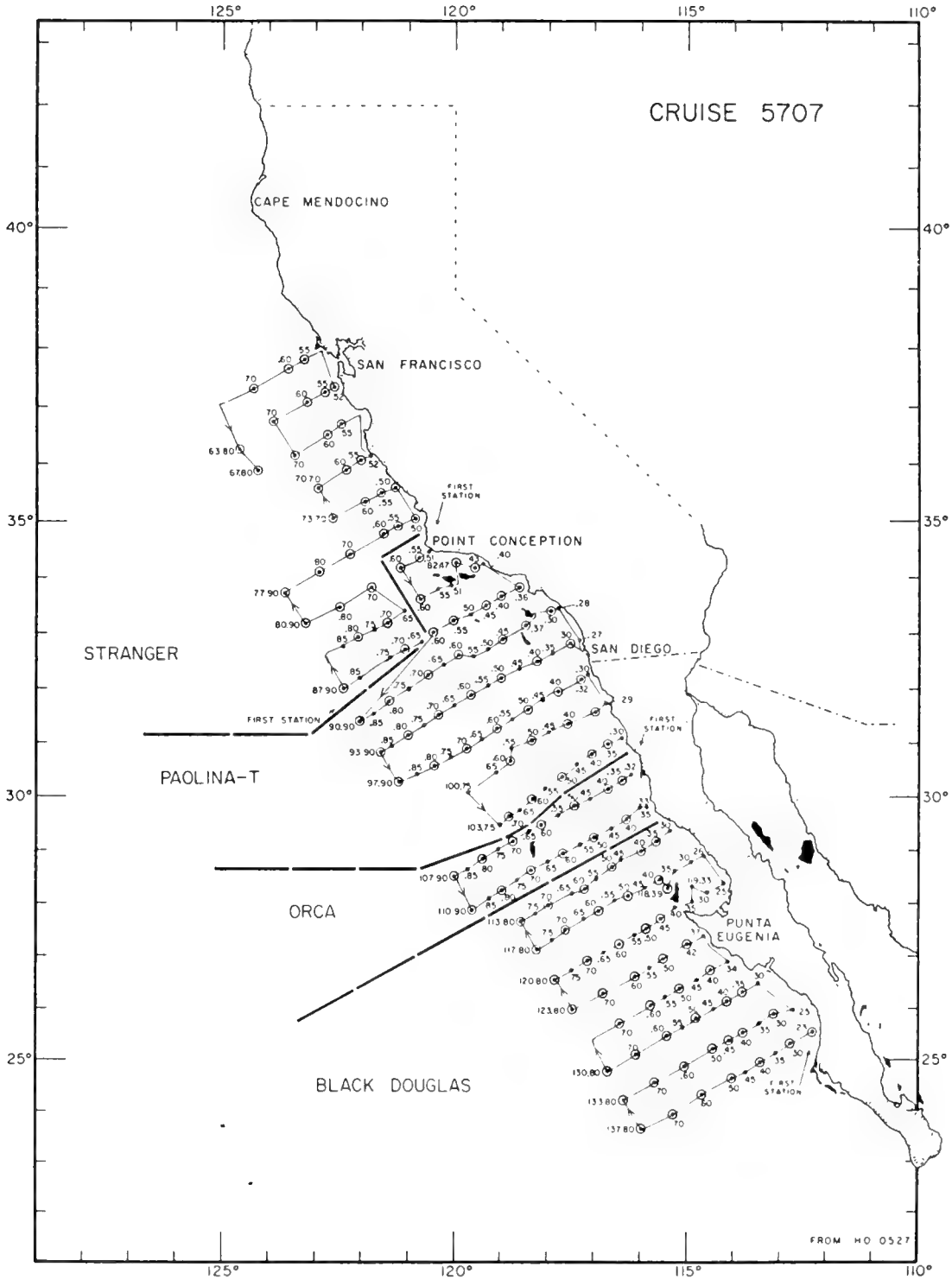

Figure 8. Station pattern for CalCOFI Cruise 5707. Symbols as in Figure 2.

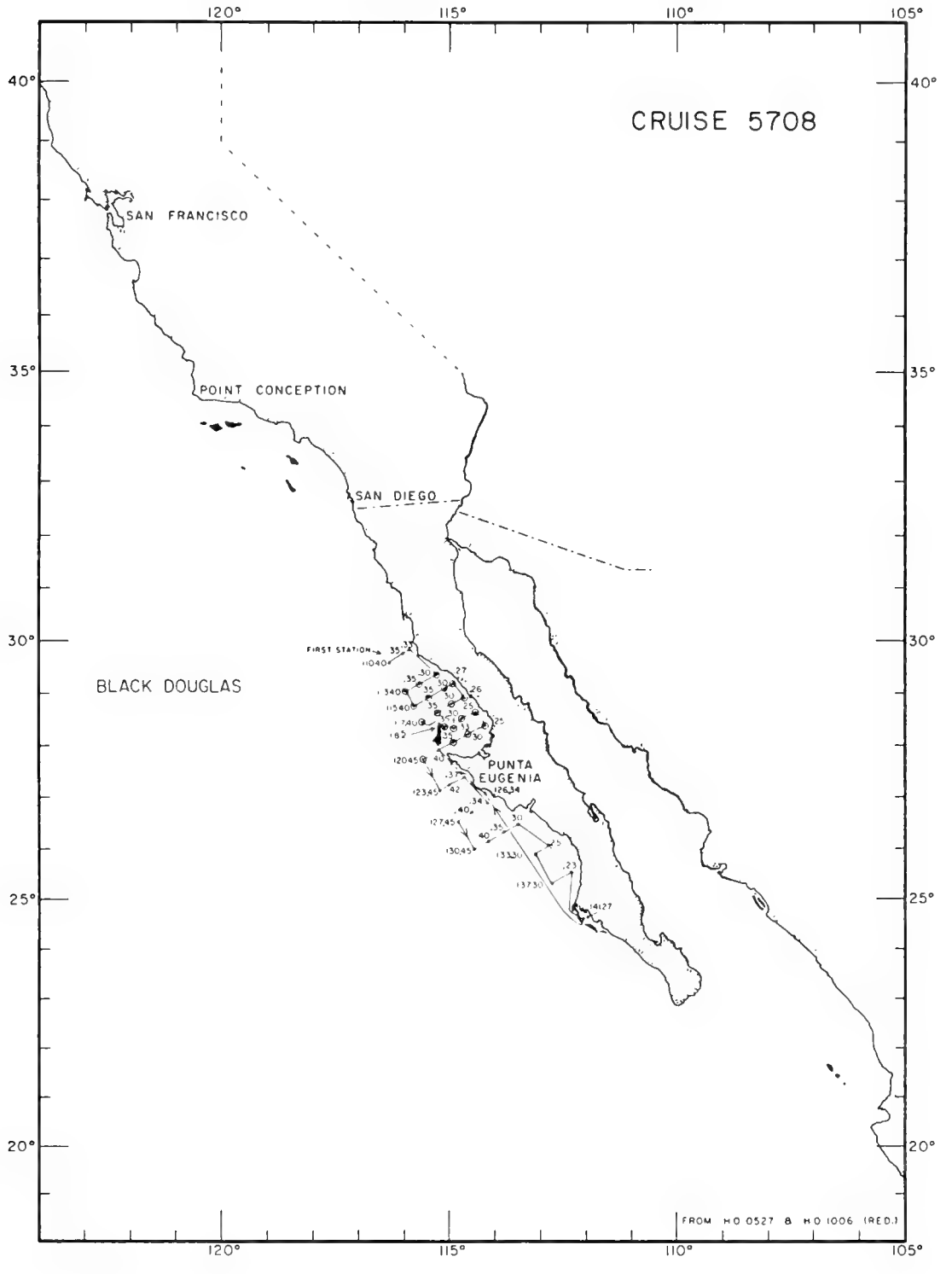

Figure 9. Station pattern for CalCOFI Cruise 5708. Symbols as in Figure 2.

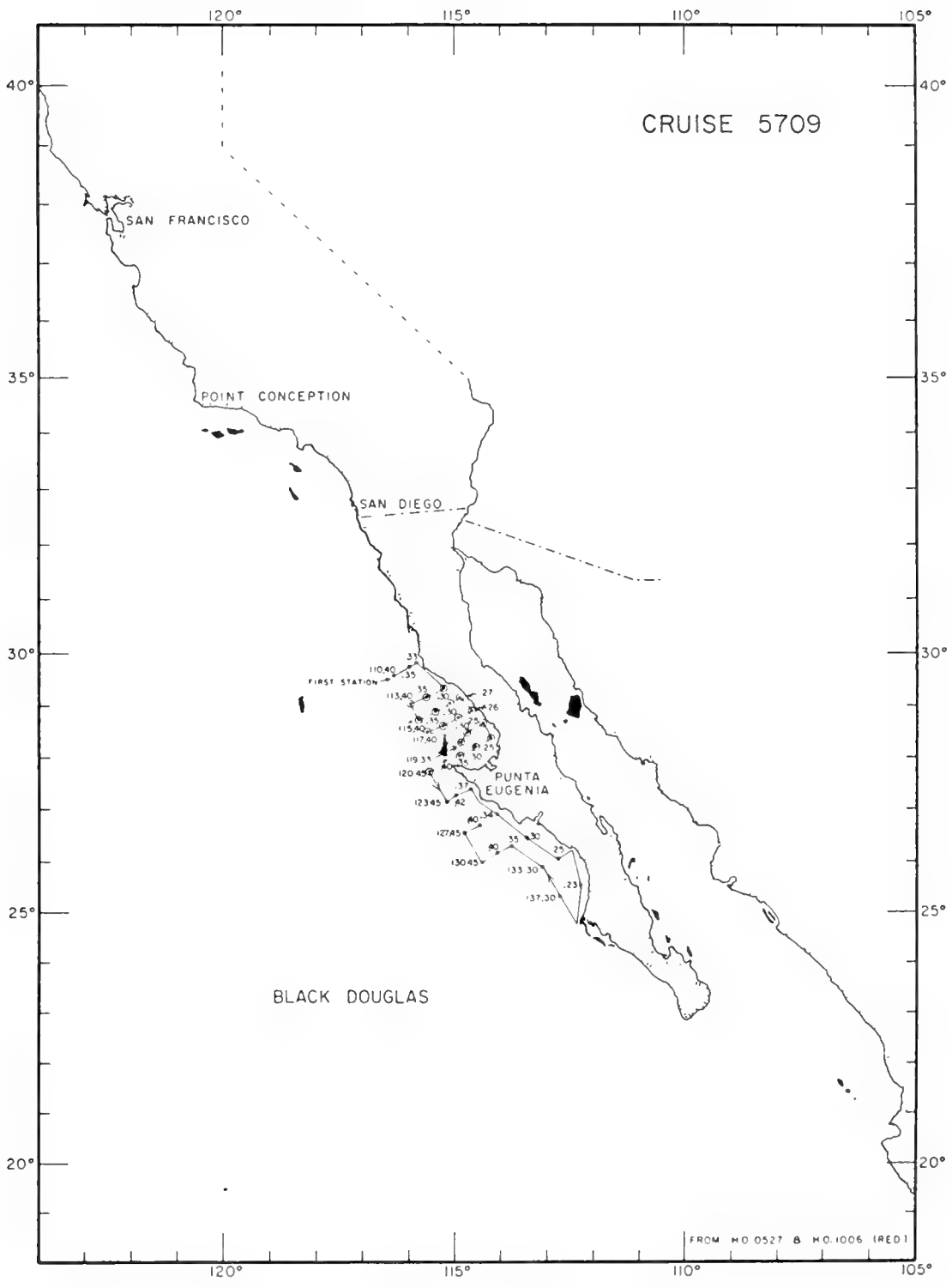

Figure 10. Station pattern for CalCOFI Cruise 5709. Symbols as in Figure 2.

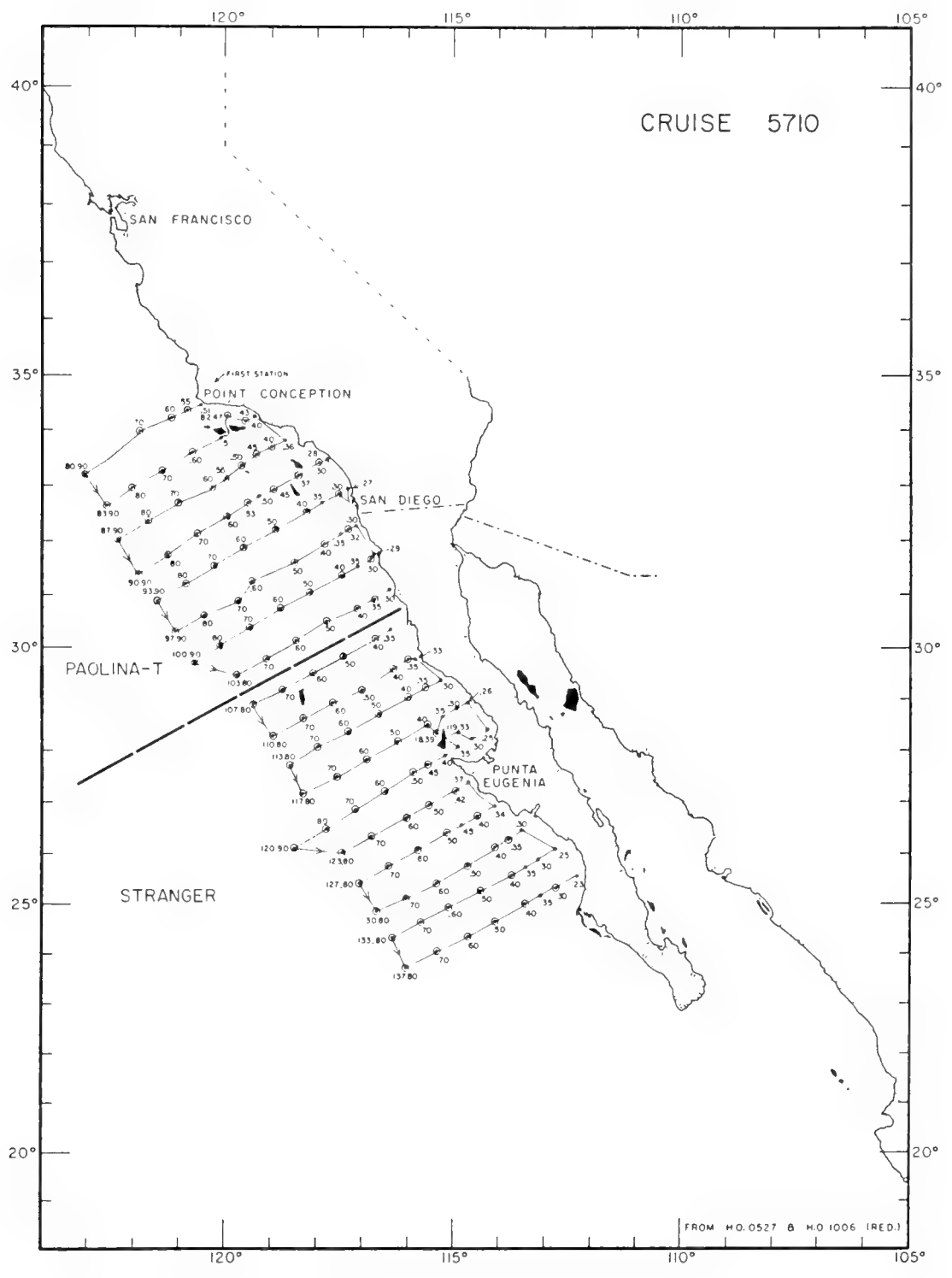

Figure 11. Station pattern for CalCOFI Cruise 5710. Symbols as in Figure 2.

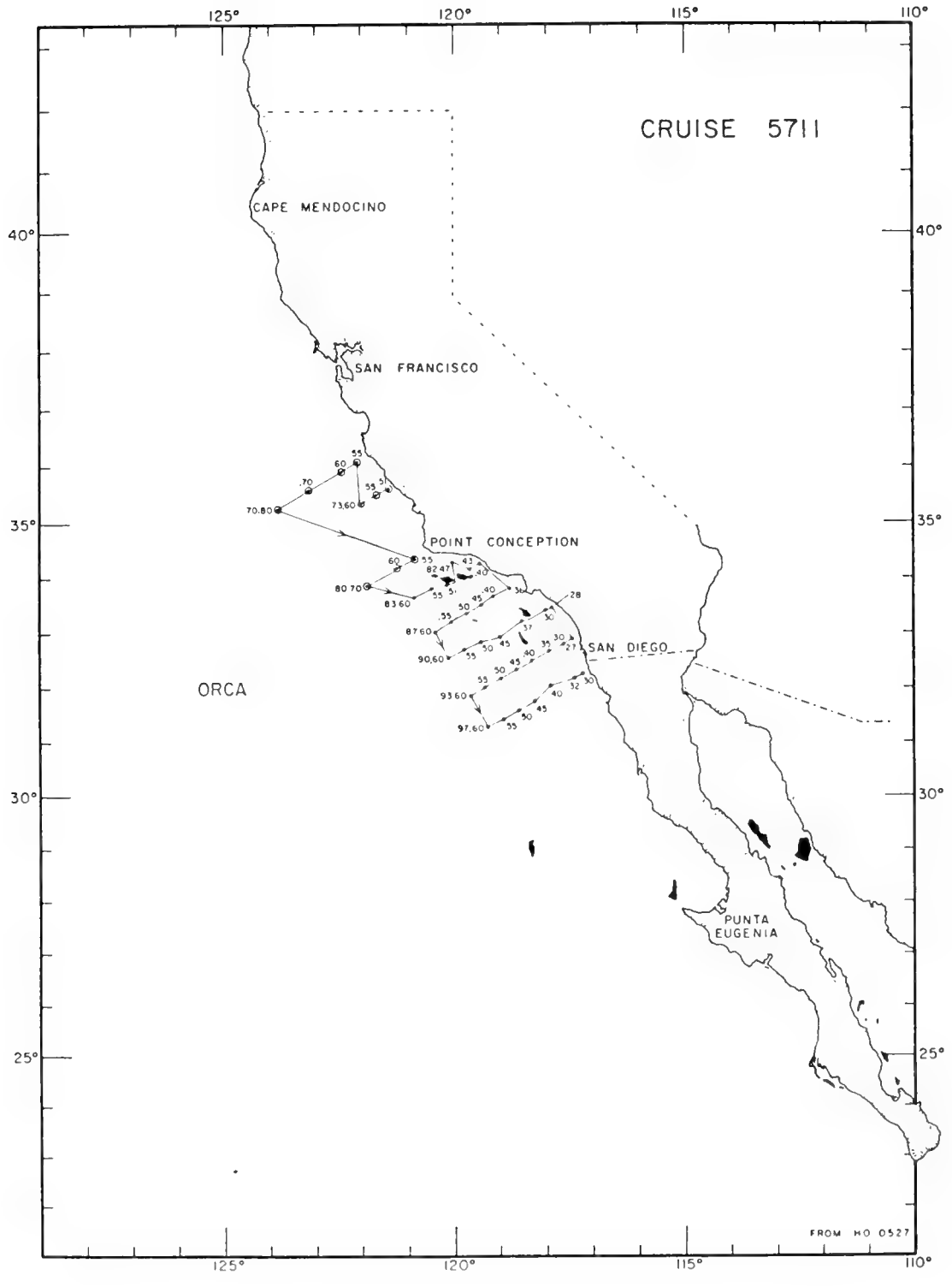

Figure 12. Station pattern for CalCOFI Cruise 5711. Symbols as in Figure 2.

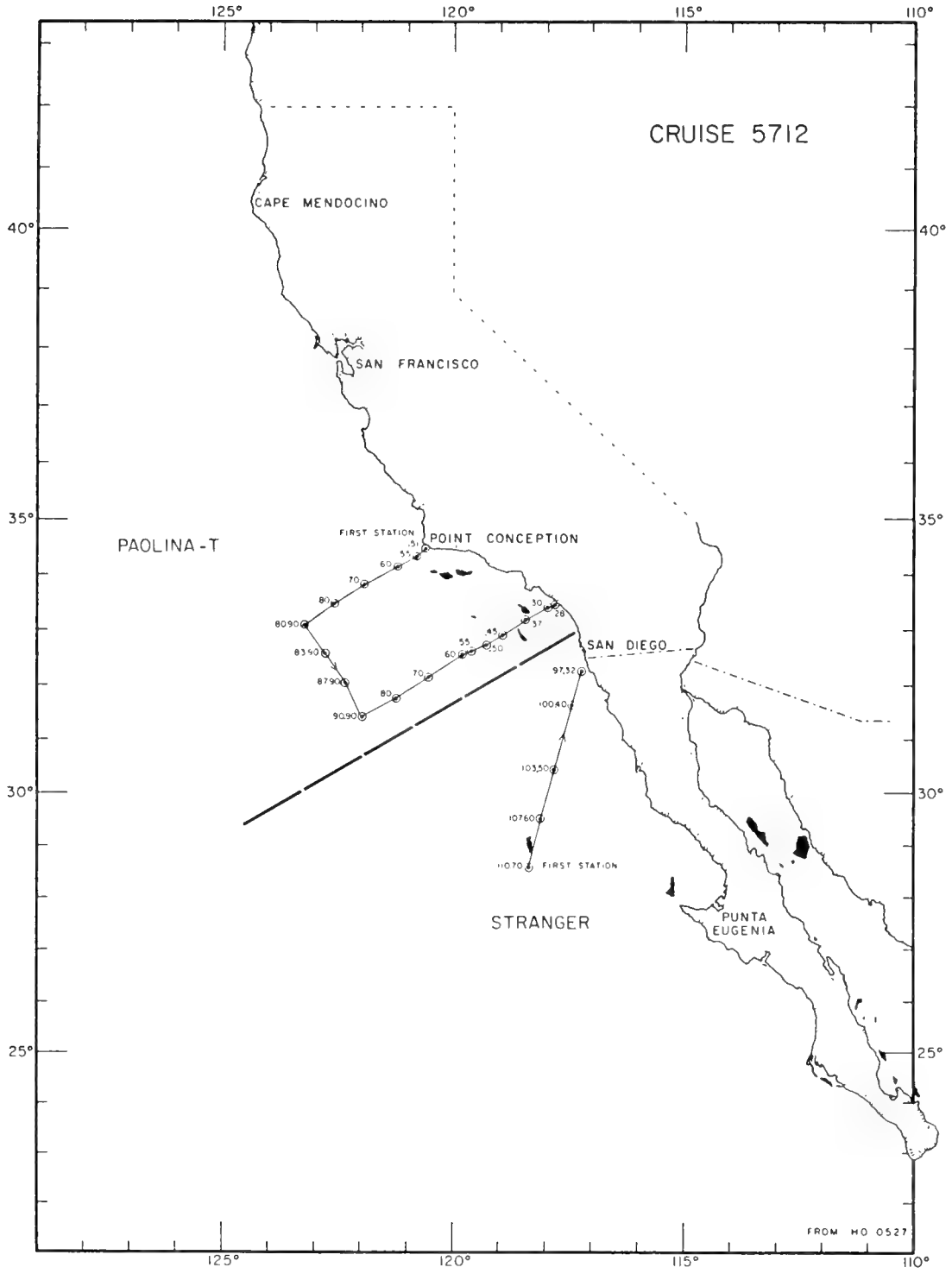

Figure 13. Station pattern for CalCOFI Cruise 5712. Symbols as in Figure 2.

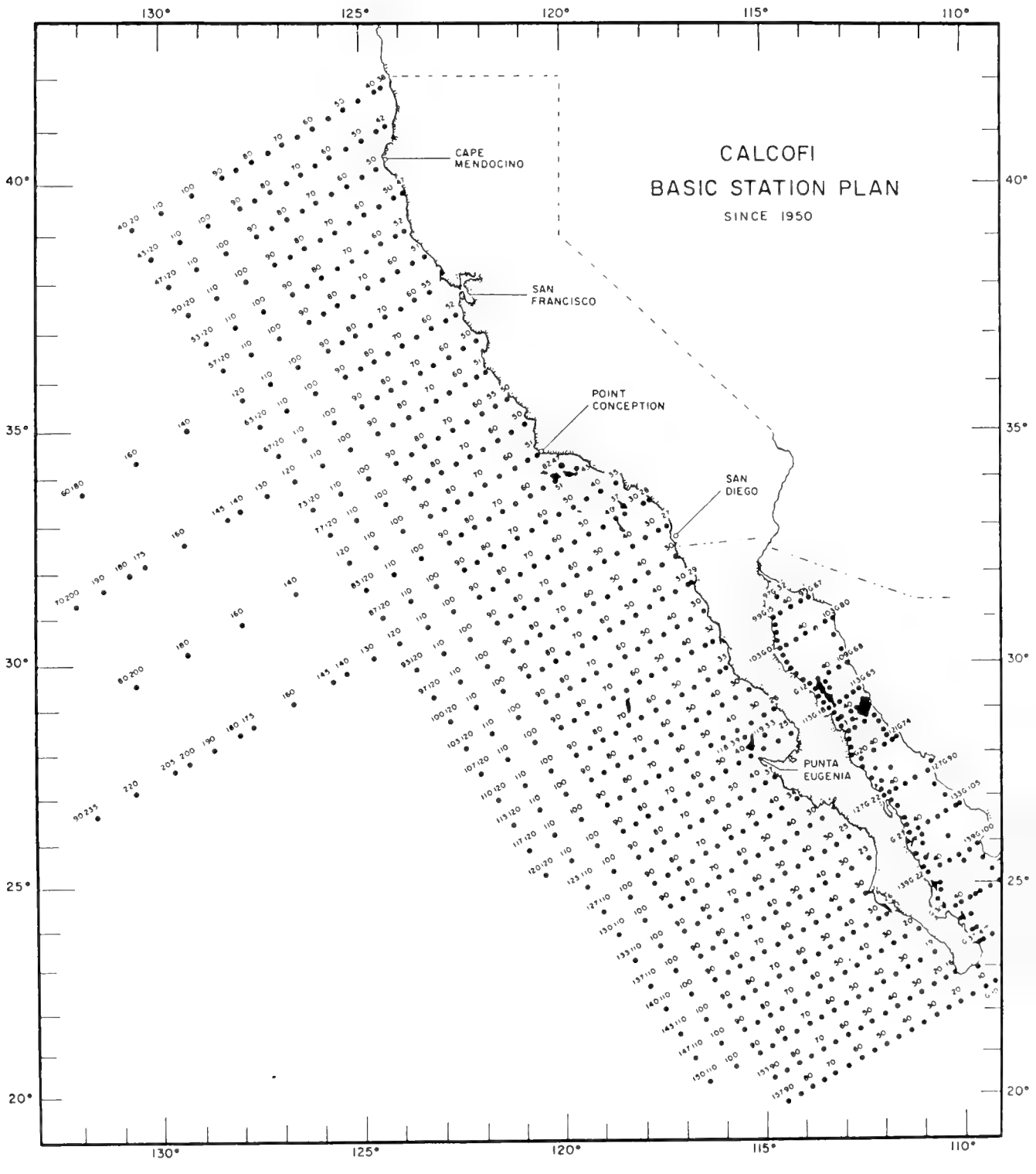

Figure 14. The basic station plan for CalCOFI cruises from 1950 to the present.

TABLE 1. Station and plankton tow data for CalCOFI cruises in 1957. Counts for fish eggs and larvae are not adjusted for standard haul factor or percent of sample sorted.

CalCOFI Cruise 5701

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	60.0	30	39.5	118	50.0	OR	57	01	19	0106	141	474	2.97	100.0	12	3
103.0	30.0	31	05.0	116	25.0	OR	57	01	18	0319	45	185	2.45	100.0	75	255
103.0	35.0	30	55.0	116	45.0	OR	57	01	18	0556	139	478	2.91	100.0	36	1431
103.0	38.0	30	49.0	116	57.0	OR	57	01	18	0811	138	475	2.91	100.0	0	436
103.0	40.0	30	44.8	117	05.5	OR	57	01	18	0946	141	460	3.06	100.0	4	13
103.0	50.0	30	25.0	117	46.0	OR	57	01	18	1456	137	454	3.03	100.0	2	8
103.0	60.0	30	04.5	118	25.5	OR	57	01	18	1956	141	447	3.16	100.0	12	1
107.0	32.0	30	32.2	116	15.3	OR	57	01	17	2246	137	469	2.91	50.0	75	378
107.0	35.0	30	26.0	116	25.5	OR	57	01	17	2051	140	482	2.90	100.0	41	1580
107.0	40.0	30	16.5	116	46.7	OR	57	01	17	1826	141	492	2.86	100.0	10	7
107.0	50.0	29	49.0	117	22.5	OR	57	01	17	1311	139	525	2.65	100.0	6	2
107.0	60.0	29	30.0	117	57.0	OR	57	01	17	0656	150	475	3.16	100.0	5	6
110.0	40.0	29	36.1	116	19.5	OR	57	01	16	1316	141	489	2.88	100.0	2	2
110.0	50.0	29	16.0	116	59.0	OR	57	01	16	1846	139	508	2.73	100.0	22	1
110.0	60.0	28	56.0	117	38.0	OR	57	01	17	0011	139	482	2.89	50.0	3	6
113.0	30.0	29	20.2	115	23.0	OR	57	01	14	2012	96	383	2.49	100.0	167	657
113.0	35.0	29	10.8	115	41.2	OR	57	01	14	1626	139	511	2.72	100.0	26	46
113.0	40.0	29	02.0	115	58.5	OR	57	01	14	1256	136	531	2.57	100.0	9	2
113.0	50.0	28	41.0	116	38.0	OR	57	01	14	0536	140	503	2.79	100.0	20	12
113.0	60.0	28	22.0	117	15.0	OR	57	01	13	2326	140	506	2.76	50.0	5	34
113.0	70.0	28	02.5	117	55.5	OR	57	01	13	1756	139	529	2.63	50.0	4	4
117.0	26.0	28	55.5	114	41.0	OR	57	01	12	0329	69	269	2.58	100.0	807	156
117.0	30.0	28	48.0	114	56.1	OR	57	01	12	0547	98	371	2.64	25.0	320	18
117.0	35.0	28	37.8	115	15.7	OR	57	01	12	0831	140	523	2.67	25.0	103	477
117.0	40.0	28	28.0	115	35.5	OR	57	01	12	2051	141	527	2.67	25.0	111	27
117.0	50.0	28	08.0	116	15.0	OR	57	01	13	0146	139	527	2.64	100.0	64	9
117.0	60.0	27	47.3	116	52.5	OR	57	01	13	0720	139	516	2.70	100.0	15	4
117.0	70.0	27	27.0	117	32.8	OR	57	01	13	1216	140	504	2.77	50.0	4	79
120.0	25.0	28	23.2	114	14.8	OR	57	01	11	2159	49	216	2.27	25.0	12	672
120.0	30.0	28	13.0	114	34.0	OR	57	01	11	1838	82	335	2.46	50.0	146	15
120.0	35.0	28	03.0	114	54.0	OR	57	01	11	1408	69	295	2.33	100.0	43	32
120.0	40.0	27	53.0	115	13.0	OR	57	01	11	1120	14	108	1.25	100.0	35	37
120.0	45.0	27	43.0	115	33.0	OR	57	01	10	1321	141	506	2.78	100.0	54	106
120.0	50.0	27	33.0	115	52.5	OR	57	01	10	1016	138	507	2.72	100.0	9	16
120.0	55.0	27	22.5	116	11.0	OR	57	01	10	0706	143	512	2.79	100.0	4	31
120.0	60.0	27	13.0	116	30.5	OR	57	01	10	0411	136	514	2.64	100.0	25	29
120.0	70.0	26	53.0	117	10.5	OR	57	01	09	2336	142	480	2.95	50.0	17	44
123.0	37.0	26	24.0	114	40.0	OR	57	01	09	0353	69	279	2.46	100.0	74	50
123.0	42.0	27	14.0	114	59.0	OR	57	01	09	0646	140	506	2.77	100.0	43	59
123.0	50.0	26	57.7	115	30.5	OR	57	01	09	1051	140	493	2.84	100.0	15	93
123.0	60.0	26	39.0	116	08.0	OR	57	01	09	1611	139	512	2.72	100.0	6	29
127.0	34.0	26	55.2	114	06.0	OR	57	01	08	2253	71	290	2.44	100.0	508	306
127.0	40.0	26	38.5	114	29.0	OR	57	01	08	1946	140	514	2.73	50.0	196	117

TABLE 1. (cont.)

CalCOFI Cruise 5701

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	27.5	114	59.5	OR	57	01	08	1516	136	518	2.63	100.0	91	112
127.0	60.0	26	05.0	115	45.5	OR	57	01	08	0906	140	496	2.82	100.0	9	129
130.0	30.0	26	28.9	113	28.8	OR	57	01	07	1123	77	322	2.39	50.0	27	65
130.0	35.0	26	19.0	113	48.3	OR	57	01	07	1436	138	523	2.64	50.0	36	98
130.0	40.0	26	09.0	114	06.5	OR	57	01	07	1746	143	496	2.89	50.0	130	38
130.0	50.0	25	49.0	114	45.0	OR	57	01	07	2246	141	500	2.83	100.0	52	33
130.0	60.0	25	29.5	115	23.0	OR	57	01	08	0356	143	498	2.87	100.0	99	34
133.0	25.0	26	02.5	112	51.7	OR	57	01	07	0549	84	319	2.63	100.0	524	636
133.0	30.0	25	54.5	113	07.5	OR	57	01	07	0302	84	319	2.64	100.0	23	127
133.0	35.0	25	44.5	113	26.0	OR	57	01	06	2336	141	503	2.81	100.0	21	35
133.0	40.0	25	34.5	113	45.3	OR	57	01	06	2026	140	523	2.67	100.0	31	27
137.0	23.0	25	34.0	112	18.0	OR	57	01	06	0623	70	289	2.43	100.0	4	74
137.0	30.0	25	20.0	112	45.0	OR	57	01	06	1016	142	498	2.85	100.0	22	3
137.0	35.0	25	10.0	113	05.0	OR	57	01	06	1410	80	326	2.67	100.0	36	73

TABLE 1. (cont.)

CalCOFI Cruise 5702

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	26.5	120	32.5	BD	57	02	06	1907	80	326	2.47	6.2	186	17
80.0	55.0	34	19.0	120	48.0	BD	57	02	06	2141	138	466	2.97	100.0	89	112
80.0	60.0	34	09.0	121	09.0	BD	57	02	07	0016	138	407	3.38	100.0	253	29
80.0	70.0	33	49.0	121	51.0	BD	57	02	07	0536	136	500	2.73	25.0	26	218
80.0	80.0	33	29.0	122	32.0	BD	57	02	07	1051	138	468	2.95	100.0	11	113
80.0	90.0	33	09.0	123	13.0	BD	57	02	07	1546	135	442	3.06	25.0	2	42
82.0	47.0	34	15.0	119	58.0	BD	57	02	08	1416	133	499	2.67	50.0	24	20
83.0	40.0	34	11.1	119	22.0	BD	57	02	08	1959	14	96	1.45	50.0	259	1321
83.0	43.0	34	08.0	119	34.0	BD	57	02	08	1746	143	476	2.99	25.0	60	328
83.0	51.0	33	52.0	120	08.5	BD	57	02	08	1016	123	272	4.52	25.0	137	21
83.0	52.0	33	50.0	120	12.0	BD	57	02	08	0906	134	523	2.57	25.0	61	143
83.0	60.0	33	37.5	120	45.5	BD	57	02	08	0506	132	562	2.34	50.0	40	166
86.0	46.0	33	36.0	119	29.5	BD	57	02	09	0721	141	345	4.09	25.0	26	96
87.0	35.0	33	48.0	118	41.5	BD	57	02	09	0121	127	476	2.67	50.0	331	922
87.0	38.0	33	44.0	118	50.0	BD	57	02	09	0221	134	444	3.03	25.0	557	1628
87.0	40.0	33	40.0	118	58.5	BD	57	02	09	0406	136	446	3.06	12.5	420	803
87.0	50.0	33	20.0	119	39.5	BD	57	02	09	1048	61	206	2.97	100.0	99	37
87.0	55.0	33	10.0	120	00.5	BD	57	02	09	1321	136	535	2.54	12.5	5	56
87.0	60.0	33	00.0	120	21.5	BD	57	02	09	1626	139	494	2.82	25.0	26	173
87.0	70.0	32	39.5	121	02.0	BD	57	02	09	2105	141	501	2.82	12.5	4	7
90.0	28.0	33	28.5	117	46.7	BD	57	02	11	1801	138	502	2.74	50.0	90	662
90.0	30.0	33	24.5	117	55.0	BD	57	02	11	1626	137	440	3.13	12.5	6	248
90.0	37.0	33	11.0	118	23.5	BD	57	02	11	1206	130	494	2.62	6.2	6	644
90.0	45.0	32	54.5	118	56.0	BD	57	02	11	0841	141	440	3.21	12.5	17	272
90.0	55.0	32	34.8	119	36.8	BD	57	02	11	0126	142	479	2.96	25.0	46	436
90.0	60.0	32	25.0	119	57.5	BD	57	02	10	2136	142	487	2.91	100.0	44	275
90.0	70.0	32	04.5	120	39.0	BD	57	02	10	1636	142	462	3.08	12.5	0	14
90.0	80.0	31	49.0	121	18.5	BD	57	02	10	1256	143	494	2.89	25.0	1	4
90.0	90.0	31	29.0	122	02.0	BD	57	02	10	0736	140	497	2.81	100.0	0	46
93.0	27.0	32	56.0	117	19.2	BD	57	02	11	2251	126	437	2.87	25.0	173	1217
93.0	30.0	32	50.0	117	31.5	BD	57	02	12	0046	133	500	2.67	50.0	49	359
93.0	40.0	32	30.0	118	12.5	BD	57	02	13	1546	139	502	2.77	12.5	47	645
93.0	50.0	32	10.0	118	53.5	BD	57	02	13	2101	145	468	3.09	25.0	126	418
93.0	60.0	31	50.0	119	34.0	BD	57	02	14	0136	146	433	3.36	25.0	17	116
93.0	70.0	31	29.0	120	14.0	BD	57	02	14	0646	140	444	3.15	50.0	5	66
97.0	30.0	32	15.4	117	08.8	BD	57	02	15	0918	48	178	2.67	100.0	82	343
97.0	32.0	32	11.5	117	17.0	BD	57	02	15	0756	137	416	3.29	100.0	177	825
97.0	40.0	31	55.5	117	50.0	BD	57	02	15	0336	142	458	3.09	50.0	39	466
97.0	50.0	31	35.5	118	30.5	BD	57	02	14	2256	140	461	3.04	6.2	33	1314
97.0	60.0	31	15.0	119	11.0	BD	57	02	14	1605	140	433	3.24	12.5	77	272
97.0	70.0	30	54.7	119	44.0	BD	57	02	14	1131	142	488	2.92	100.0	34	127
100.0	29.0	31	42.2	116	43.4	BD	57	02	15	1401	125	419	2.98	100.0	239	76
100.0	33.0	31	34.5	116	59.0	BD	57	02	15	1646	132	470	2.80	25.0	120	1040
100.0	40.0	31	21.0	117	27.0	BD	57	02	15	2006	135	484	2.80	12.5	93	787
100.0	50.0	31	01.0	118	07.0	BD	57	02	16	0056	130	468	2.78	6.2	2	422

TABLE 1. (cont.)

CalCOFI Cruise 5702

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	60.0	30	44.0	118	40.0	BD	57	02	16	0536	141	413	3.41	100.0	47	468
100.0	70.0	30	27.5	119	13.5	BD	57	02	16	1016	142	392	3.62	25.0	4	11
100.0	80.0	30	01.0	120	07.0	BD	57	02	16	1646	141	412	3.43	100.0	21	846
100.0	90.0	29	40.5	120	47.0	BD	57	02	16	2141	144	398	3.70	100.0	13	377
103.0	30.0	31	05.2	116	25.0	BD	57	02	18	0548	60	176	3.40	25.0	108	397
103.0	35.0	30	55.5	116	45.0	BD	57	02	18	0256	141	409	3.46	12.5	465	181
103.0	38.0	30	49.5	116	57.2	BD	57	02	18	0056	142	434	3.28	50.0	77	561
103.0	40.0	30	45.5	117	05.5	BD	57	02	17	2351	138	441	3.14	50.0	61	49
103.0	50.0	30	25.5	117	45.5	BD	57	02	17	1756	147	410	3.59	50.0	150	132
103.0	60.0	30	06.0	118	25.5	BD	57	02	17	1321	138	455	3.04	100.0	3	5
103.0	70.0	29	46.0	119	05.5	BD	57	02	17	0821	137	424	3.23	50.0	10	33
107.0	40.0	30	10.5	116	43.5	BD	57	02	18	1846	142	452	3.14	25.0	24	18
107.0	50.0	29	50.5	117	23.5	BD	57	02	18	2326	136	500	2.72	50.0	120	579
107.0	60.0	29	31.0	118	03.0	BD	57	02	19	0406	140	497	2.82	50.0	27	64
107.0	70.0	29	11.0	118	43.0	BD	57	02	19	0901	134	577	2.32	100.0	15	49
110.0	33.0	29	50.5	115	52.2	BD	57	02	20	2333	54	207	2.61	25.0	489	107
110.0	35.0	29	46.5	116	00.0	BD	57	02	20	2216	142	459	3.09	25.0	165	313
110.0	40.0	29	36.5	116	19.5	BD	57	02	20	1926	141	505	2.79	100.0	184	39
110.0	50.0	29	16.5	116	59.0	BD	57	02	20	1436	136	510	2.66	100.0	8	16
110.0	60.0	28	56.5	117	39.0	BD	57	02	20	0951	135	528	2.55	50.0	5	18
110.0	70.0	28	36.5	118	18.0	BD	57	02	20	0416	141	478	2.96	25.0	0	9
110.0	80.0	28	16.5	118	57.8	BD	57	02	19	2336	135	531	2.54	50.0	3	13
110.0	90.0	27	56.5	119	36.0	BD	57	02	19	1846	139	483	2.89	50.0	4	17
113.0	30.0	29	21.4	115	16.5	HO	57	02	20	1915	66	259	2.56	50.0	160	1298
113.0	35.0	29	12.7	115	39.0	HO	57	02	20	1709	129	514	2.50	50.0	177	371
113.0	40.0	29	03.0	115	59.0	HO	57	02	20	1456	124	492	2.52	100.0	121	33
113.0	50.0	28	42.3	116	40.0	HO	57	02	20	1056	100	498	2.01	100.0	1	2
113.0	60.0	28	24.7	117	15.4	HO	57	02	20	0726	119	549	2.16	100.0	0	1
113.0	70.0	28	05.7	117	52.0	HO	57	02	20	0356	131	501	2.61	100.0	1	6
117.0	26.0	28	54.6	114	40.5	HO	57	02	17	2050	62	264	2.36	25.0	229	3
117.0	30.0	28	47.8	114	55.7	HO	57	02	17	1857	70	236	2.09	6.2	193	24
117.0	35.0	28	38.0	115	16.0	HO	57	02	17	1638	87	296	1.54	6.2	60	47
117.0	40.0	28	27.6	115	36.3	HO	57	02	19	1116	127	548	2.31	100.0	41	400
117.0	50.0	28	07.4	116	15.6	HO	57	02	19	1458	134	477	2.81	100.0	24	23
117.0	60.0	27	41.0	116	56.2	HO	57	02	19	2101	121	501	2.42	100.0	7	4
117.0	70.0	27	32.0	117	31.2	HO	57	02	20	0025	156	387	4.03	50.0	1	0
120.0	25.0	28	23.0	114	14.5	HO	57	02	18	0025	83	398	2.98	50.0	153	569
120.0	30.0	28	13.0	114	34.0	HO	57	02	18	0312	98	635	2.93	25.0	217	113
120.0	35.0	28	03.0	114	54.0	HO	57	02	16	0808	64	263	2.43	50.0	117	17
120.0	40.0	27	56.5	115	14.0	HO	57	02	16	0609	33	142	2.35	100.0	70	19
120.0	45.0	27	42.5	115	34.7	HO	57	02	16	0020	129	464	2.77	100.0	78	83
120.0	50.0	27	33.0	115	52.5	HO	57	02	15	2156	130	470	2.76	100.0	81	95
120.0	55.0	27	20.5	116	09.5	HO	57	02	15	1951	131	557	2.35	100.0	56	123
120.0	60.0	27	11.5	116	29.0	HO	57	02	15	1631	142	448	3.16	100.0	38	31
120.0	70.0	26	58.0	117	07.0	HO	57	02	15	1231	139	462	3.01	50.0	1	6

TABLE 1. (cont.)

CalCOFI Cruise 5702

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
120.0	80.0	26	27.5	117	47.0	HO	57	02	15	0740	127	517	2.45	100.0	16	433
123.0	37.0	27	24.7	114	39.0	HO	57	02	14	1108	54	316	1.70	100.0	262	174
123.0	42.0	27	11.8	115	03.4	HO	57	02	14	1346	129	482	2.67	100.0	41	178
123.0	50.0	26	58.5	115	29.2	HO	57	02	14	1656	122	514	2.38	50.0	34	28
123.0	55.0	26	48.0	115	50.0	HO	57	02	14	2004	140	617	2.27	50.0	66	11
123.0	60.0	26	38.5	116	09.0	HO	57	02	14	2325	123	553	2.22	50.0	30	280
127.0	34.0	26	50.5	114	12.6	HO	57	02	14	0601	50	192	2.63	100.0	110	291
127.0	40.0	26	39.9	114	32.8	HO	57	02	14	0336	149	423	3.52	50.0	222	281
127.0	45.0	26	31.5	114	50.0	HO	57	02	14	0106	134	535	2.51	25.0	146	63
127.0	50.0	26	23.5	115	08.0	HO	57	02	13	2256	132	501	2.64	100.0	47	271
127.0	55.0	26	13.8	115	26.5	HO	57	02	13	2026	151	435	3.46	100.0	33	21
127.0	60.0	25	01.0	115	40.0	HO	57	02	13	1756	136	509	2.67	100.0	103	31
130.0	30.0	26	29.0	113	29.0	HO	57	02	13	0203	58	360	1.60	25.0	325	43
130.0	35.0	26	18.5	113	48.5	HO	57	02	13	0413	117	537	2.18	50.0	423	331
130.0	40.0	26	07.7	114	09.0	HO	57	02	13	0621	128	490	2.61	100.0	256	106
130.0	50.0	25	53.0	114	46.0	HO	57	02	13	1000	141	475	2.98	50.0	9	256
130.0	60.0	25	28.0	115	20.6	HO	57	02	13	1405	132	504	2.62	100.0	44	246
133.0	25.0	26	04.5	112	48.0	HO	57	02	12	2143	35	253	1.38	12.5	640	21
133.0	30.0	25	54.5	113	07.5	HO	57	02	12	1911	126	534	2.37	25.0	187	36
133.0	40.0	25	34.5	113	34.5	HO	57	02	12	0830	121	572	2.11	100.0	47	378
133.0	50.0	25	16.0	114	21.8	HO	57	02	12	0421	144	452	3.18	100.0	95	215
137.0	23.0	25	34.2	112	18.7	HO	57	02	11	1335	62	289	2.13	50.0	39	22
137.0	30.0	25	25.3	112	47.3	HO	57	02	11	1611	129	517	2.49	25.0	3	1
137.0	35.0	25	18.2	113	08.3	HO	57	02	11	1826	130	530	2.46	50.0	97	255
137.0	40.0	25	00.0	113	23.5	HO	57	02	11	2056	123	556	2.20	100.0	111	40
137.0	50.0	24	44.5	114	00.0	HO	57	02	12	0044	123	516	2.38	100.0	46	314
140.0	30.0	24	45.5	112	24.0	HO	57	02	11	0817	91	443	2.05	100.0	217	122
140.0	35.0	24	36.0	112	43.0	HO	57	02	11	0556	108	591	1.83	50.0	107	3
140.0	40.0	24	25.5	113	02.0	HO	57	02	11	0331	139	490	2.85	100.0	63	41
140.0	50.0	24	05.5	113	39.5	HO	57	02	10	2301	151	448	3.37	100.0	125	161
143.0	26.0	24	19.0	111	48.0	HO	57	02	09	0812	91	441	2.07	50.0	2	7
143.0	30.0	24	09.0	112	01.0	HO	57	02	10	0941	131	546	2.39	100.0	246	73
143.0	35.0	23	58.5	112	24.0	HO	57	02	10	1156	117	565	2.08	100.0	28	173
143.0	40.0	23	51.0	112	42.2	HO	57	02	10	1440	136	477	2.86	100.0	0	13
143.0	50.0	23	24.8	113	19.5	HO	57	02	10	1840	144	477	3.01	100.0	27	322
147.0	20.0	23	56.0	111	03.5	HO	57	02	09	0301	147	477	3.09	100.0	33	11
147.0	25.0	23	46.5	111	22.5	HO	57	02	08	2346	158	434	3.63	100.0	57	19
147.0	30.0	23	36.0	111	41.5	HO	57	02	08	2051	139	484	2.87	100.0	14	39
147.0	40.0	23	17.1	112	19.4	HO	57	02	08	1431	121	533	2.26	100.0	4	82
150.0	19.0	23	24.3	110	40.8	HO	57	02	08	0027	89	432	2.07	25.0	7	9
150.0	25.0	23	08.3	111	04.6	HO	57	02	08	0326	146	475	3.08	100.0	83	31
150.0	35.0	22	48.8	111	35.5	HO	57	02	08	0716	158	467	3.38	100.0	0	19
150.0	40.0	22	42.5	111	55.4	HO	57	02	08	1011	129	563	2.29	100.0	10	754
153.0	16.0	22	55.0	110	07.2	SB	57	02	24	1656	123	431	2.85	50.0	9	6
153.0	16.0	22	55.0	110	07.5	SB	57	02	08	0556	111	605	1.84	100.0	64	435

TABLE 1. (cont.)

CalCOFI Cruise 5702

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
153.0	20.0	22	47.5	110	22.0	SB	57	02	24	1406	149	438	3.40	100.0	10	32
153.0	30.0	22	27.0	110	59.0	SB	57	02	24	0921	131	434	3.01	100.0	33	868
153.0	40.0	22	04.2	111	42.2	SB	57	02	24	0356	119	530	2.25	100.0	43	403
157.0	20.0	22	07.9	110	06.2	SB	57	02	23	1411	151	430	3.51	100.0	116	115
157.0	30.0	21	48.4	110	38.3	SB	57	02	23	1826	130	444	2.94	50.0	166	47

TABLE 1. (cont.)

CalCOFI Cruise 5703

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	OR	57	03	07	1314	79	258	3.05	100.0	8	9
80.0	55.0	34	19.0	120	49.0	OR	57	03	07	1516	142	481	2.95	50.0	85	81
80.0	60.0	34	09.0	121	09.0	OR	57	03	07	1856	143	474	3.02	25.0	20	8
80.0	70.0	33	49.0	121	50.0	OR	57	03	08	0027	137	498	2.76	50.0	4	20
80.0	80.0	33	29.0	122	32.0	OR	57	03	08	0541	140	484	2.90	50.0	60	38
80.0	90.0	33	09.0	123	12.0	OR	57	03	08	1056	142	481	2.96	50.0	24	87
82.0	47.0	34	15.0	119	58.0	OR	57	03	09	1146	137	498	2.75	100.0	197	1055
83.0	40.0	34	14.0	119	22.0	OR	57	03	09	1603	21	100	2.05	100.0	21	374
83.0	43.0	34	07.0	119	35.0	OR	57	03	09	1426	138	489	2.83	100.0	126	46
83.0	48.0	33	58.0	119	56.0	OR	57	03	09	0918	67	266	2.52	100.0	211	58
83.0	52.0	33	50.0	120	12.0	OR	57	03	09	0706	136	502	2.70	100.0	252	138
83.0	60.0	33	34.0	120	45.0	OR	57	03	09	0329	140	476	2.94	50.0	146	58
83.0	70.0	33	14.0	121	26.0	OR	57	03	08	2115	141	490	2.87	25.0	15	10
87.0	36.0	33	48.0	118	45.0	OR	57	03	09	2101	142	473	3.01	50.0	787	507
87.0	40.0	33	40.0	118	59.0	OR	57	03	10	0001	137	496	2.76	25.0	377	308
87.0	45.0	33	30.0	119	19.0	OR	57	03	11	1213	144	462	3.12	50.0	305	370
87.0	50.0	33	20.0	119	39.0	OR	57	03	11	1528	72	245	2.92	25.0	107	157
87.0	60.0	33	00.0	120	22.0	OR	57	03	11	2056	139	473	2.93	6.2	1	1
87.0	70.0	32	40.0	121	03.0	OR	57	03	12	0203	140	476	2.94	25.0	214	98
90.0	28.0	33	30.0	117	47.0	OR	57	03	17	0114	69	307	2.25	100.0	685	468
90.0	30.0	33	25.0	117	55.0	OR	57	03	16	2346	145	435	3.33	50.0	268	327
90.0	37.0	33	11.0	118	24.0	OR	57	03	16	1941	140	464	3.01	25.0	241	193
90.0	45.0	32	55.0	118	56.0	OR	57	03	16	1521	140	477	2.92	100.0	157	150
90.0	55.0	32	35.0	119	37.0	OR	57	03	16	0956	139	452	3.07	12.5	5	47
90.0	60.0	32	25.0	119	58.0	OR	57	03	16	0656	139	487	2.85	50.0	255	335
90.0	70.0	32	05.0	120	38.0	OR	57	03	12	2341	139	497	2.80	25.0	2309	68
90.0	80.0	31	45.0	121	19.0	OR	57	03	12	1806	140	488	2.86	50.0	180	58
90.0	90.0	31	25.0	121	59.0	OR	57	03	12	1246	140	444	3.16	100.0	403	148
93.0	27.0	32	56.0	117	19.0	OR	57	03	17	0621	138	468	2.96	100.0	404	171
93.0	30.0	32	50.0	117	32.0	OR	57	03	17	1001	141	473	2.97	100.0	441	606
93.0	40.0	32	30.0	118	12.0	OR	57	03	17	1510	139	430	3.23	100.0	95	91
93.0	50.0	32	10.0	118	53.0	OR	57	03	17	2011	140	464	3.01	50.0	232	197
93.0	60.0	31	51.0	119	34.0	OR	57	03	18	0125	139	428	3.24	100.0	223	163
93.0	70.0	31	30.0	120	15.0	OR	57	03	18	0635	138	459	3.00	100.0	16	31
97.0	30.0	32	16.0	117	09.0	OR	57	03	19	1253	53	208	2.53	50.0	182	58
97.0	40.0	32	07.0	117	28.0	OR	57	03	19	1013	142	458	3.10	100.0	255	538
97.0	50.0	31	45.0	118	11.0	OR	57	03	19	0440	135	474	2.85	50.0	96	73
100.0	29.0	31	41.0	116	43.0	OR	57	03	20	2311	146	418	3.49	100.0	47	139
100.0	33.0	31	35.0	116	59.0	OR	57	03	21	0134	143	418	3.42	100.0	88	285
100.0	40.0	31	21.0	117	27.0	OR	57	03	21	0528	142	465	3.06	100.0	51	144
100.0	50.0	31	01.0	118	08.0	OR	57	03	21	1036	143	450	3.18	25.0	2	0
100.0	60.0	30	40.0	118	47.0	OR	57	03	21	1536	139	464	3.00	100.0	6	7
103.0	30.0	31	05.0	116	25.0	OR	57	03	29	2047	40	137	2.93	100.0	108	105
103.0	35.0	30	55.0	116	45.0	OR	57	03	29	1754	137	470	2.90	100.0	46	534
103.0	40.0	30	45.0	117	06.0	OR	57	03	29	1516	143	361	3.96	100.0	4	89

TABLE 1. (cont.)

CalCOFI Cruise 5703

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
103.0	50.0	30	26.0	117	44.0	OR	57	03	29	1008	142	458	3.11	100.0	14	39
103.0	70.0	29	43.0	118	42.0	OR	57	03	21	2331	144	463	3.10	100.0	60	68
107.0	32.0	30	26.0	116	11.0	OR	57	03	28	1128	139	419	3.32	100.0	145	71
107.0	35.0	30	19.0	116	23.0	OR	57	03	28	1325	142	442	3.21	100.0	2	296
107.0	40.0	30	10.0	116	43.0	OR	57	03	28	1616	139	453	3.06	100.0	9	18
107.0	50.0	29	50.0	117	24.0	OR	57	03	28	2121	139	462	3.01	100.0	8	18
107.0	60.0	29	32.0	118	02.0	OR	57	03	29	0232	142	374	3.80	100.0	25	94
107.0	70.0	29	12.0	118	40.0	OR	57	03	26	2206	142	458	3.11	100.0	121	85
110.0	33.0	29	50.0	115	52.0	OR	57	03	28	0138	77	170	4.50	100.0	23	17
110.0	35.0	29	46.0	116	00.0	OR	57	03	28	0001	137	391	3.51	100.0	239	413
110.0	40.0	29	36.0	116	19.0	OR	57	03	27	2010	145	440	3.29	100.0	14	162
110.0	50.0	29	17.0	117	00.0	OR	57	03	27	1445	142	381	3.74	100.0	12	19
110.0	60.0	28	56.0	117	39.0	OR	57	03	27	0909	145	523	2.78	100.0	7	22
110.0	70.0	28	37.0	118	18.0	OR	57	03	27	0336	144	464	3.10	100.0	33	32
113.0	30.0	29	22.5	115	17.5	BD	57	03	22	0109	43	147	2.91	50.0	55	39
113.0	35.0	29	12.0	115	39.0	BD	57	03	21	2231	150	473	3.17	25.0	110	1014
113.0	40.0	29	02.0	115	58.5	BD	57	03	21	1941	149	425	3.50	50.0	125	200
113.0	50.0	28	42.1	116	35.4	BD	57	03	21	1506	145	438	3.31	100.0	22	22
113.0	60.0	28	22.0	117	16.5	BD	57	03	21	1021	141	449	3.15	100.0	7	5
113.0	70.0	28	02.0	117	55.5	BD	57	03	21	0526	142	467	3.05	100.0	13	82
117.0	26.0	28	56.0	114	41.0	BD	57	03	19	2308	45	138	3.28	100.0	1	0
117.0	30.0	28	48.0	114	56.5	BD	57	03	20	0138	84	272	3.08	100.0	334	450
117.0	35.0	28	38.0	115	16.0	BD	57	03	20	0421	145	420	3.45	25.0	194	174
117.0	40.0	28	28.0	115	35.5	BD	57	03	20	0646	135	452	2.98	100.0	71	150
117.0	50.0	28	07.6	116	14.4	BD	57	03	20	1416	138	444	3.12	50.0	133	640
117.0	60.0	27	47.5	116	54.0	BD	57	03	20	1930	142	461	3.07	100.0	85	46
117.0	70.0	27	27.5	117	32.5	BD	57	03	21	0026	141	440	3.21	100.0	161	70
118.0	39.0	28	18.5	115	24.0	BD	57	03	20	0901	130	541	2.39	25.0	58	313
119.0	33.0	28	19.0	114	53.0	BD	57	03	19	1328	85	263	3.24	50.0	153	479
120.0	25.0	28	23.0	114	14.5	BD	57	03	19	1748	52	175	2.98	50.0	348	917
120.0	30.0	28	13.0	114	34.0	BD	57	03	19	1527	92	305	3.01	25.0	42	213
120.0	35.0	28	03.0	114	54.0	BD	57	03	19	1123	58	255	2.27	25.0	0	0
120.0	40.0	27	56.5	115	14.0	BD	57	03	19	0916	24	129	1.87	100.0	0	28
120.0	60.0	27	12.1	116	22.0	BD	57	03	18	1841	132	460	2.86	25.0	8	25
120.0	70.0	26	52.5	117	10.0	BD	57	03	18	1216	151	404	3.73	100.0	16	197
120.0	80.0	26	32.5	117	48.5	BD	57	03	18	0701	142	437	3.25	100.0	33	380
123.0	37.0	27	24.0	114	39.7	BD	57	03	17	0908	54	168	3.24	100.0	178	52
123.0	42.0	27	14.0	114	59.3	BD	57	03	17	1146	136	455	2.99	50.0	44	564
123.0	50.0	26	59.1	115	30.4	BD	57	03	17	1556	140	465	3.00	50.0	13	29
123.0	55.0	26	48.8	115	52.0	BD	57	03	17	1846	136	471	2.89	100.0	135	367
123.0	60.0	26	38.5	116	09.0	BD	57	03	17	2106	140	494	2.83	50.0	25	32
127.0	34.0	26	55.3	114	06.0	BD	57	03	17	0343	71	231	3.05	100.0	200	467
127.0	40.0	26	41.3	114	21.7	BD	57	03	17	0025	143	381	3.75	50.0	50	632
127.0	45.0	26	30.7	114	42.6	BD	57	03	16	2136	132	481	2.74	25.0	38	737
127.0	50.0	26	20.2	115	02.8	BD	57	03	16	1841	138	439	3.15	50.0	32	103

TABLE 1. (cont.)

CalCOFI Cruise 5703

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	55.0	26	09.2	115	23.0	BD	57	03	16	1550	143	425	3.37	50.0	19	32
127.0	60.0	25	59.2	115	42.8	BD	57	03	16	1246	146	428	3.41	100.0	63	41
130.0	30.0	26	29.0	113	29.0	BD	57	03	15	0428	66	246	2.67	25.0	19	337
130.0	35.0	26	18.0	113	48.3	BD	57	03	15	1721	142	456	3.11	100.0	24	141
130.0	40.0	26	09.0	114	07.5	BD	57	03	15	2026	136	505	2.69	100.0	126	46
130.0	50.0	25	49.0	114	46.0	BD	57	03	16	0211	147	432	3.41	100.0	85	77
130.0	60.0	25	29.0	115	24.0	BD	57	03	16	0721	139	455	3.05	100.0	46	402
133.0	25.0	26	04.5	112	48.0	BD	57	03	14	2213	67	262	2.56	25.0	32	7
133.0	30.0	25	54.5	113	07.5	BD	57	03	14	1921	136	498	2.73	25.0	53	73
133.0	35.0	25	45.3	113	26.5	BD	57	03	14	1401	142	439	3.22	100.0	78	490
133.0	40.0	25	33.8	113	45.4	BD	57	03	14	1106	131	458	2.87	100.0	50	125
133.0	50.0	25	13.2	114	23.5	BD	57	03	14	0521	143	440	3.24	100.0	16	80
137.0	23.0	25	34.2	112	18.7	BD	57	03	13	0738	70	243	2.86	100.0	17	2
137.0	30.0	25	20.0	112	45.5	BD	57	03	13	1126	131	471	2.79	100.0	20	128
137.0	35.0	25	10.2	113	03.9	BD	57	03	13	1410	142	488	2.92	50.0	171	214
137.0	40.0	25	03.7	113	24.5	BD	57	03	13	1751	134	461	2.91	100.0	335	415
137.0	50.0	24	38.5	114	01.3	BD	57	03	13	2336	142	450	3.15	100.0	29	80
140.0	30.0	24	45.5	112	24.0	BD	57	03	12	2318	68	251	2.70	100.0	21	7
140.0	35.0	24	36.0	112	43.0	BD	57	03	12	2006	148	538	2.75	100.0	89	168
140.0	40.0	24	25.5	113	02.0	BD	57	03	12	1651	143	450	3.18	100.0	28	77
140.0	50.0	24	05.5	113	40.2	BD	57	03	12	1126	135	467	2.90	100.0	14	161
143.0	26.0	24	19.0	111	48.0	BD	57	03	10	2228	72	245	2.94	100.0	5	1
143.0	30.0	24	11.0	112	03.0	BD	57	03	11	0101	145	436	3.31	100.0	1	42
143.0	35.0	24	01.0	112	22.0	BD	57	03	11	2104	134	547	2.44	25.0	10	15
143.0	40.0	23	51.0	112	40.5	BD	57	03	12	0031	145	472	3.07	50.0	12	684
143.0	50.0	23	31.6	113	18.0	BD	57	03	12	0556	141	450	3.13	100.0	1	1374
147.0	20.0	23	56.0	111	03.5	BD	57	03	10	1551	121	386	3.13	100.0	1	9
147.0	25.0	23	46.5	111	22.5	BD	57	03	10	1306	139	536	2.59	100.0	31	26
147.0	30.0	23	36.0	111	41.5	BD	57	03	10	1011	137	472	2.90	100.0	74	217
147.0	40.0	23	12.3	112	16.5	BD	57	03	10	0506	143	476	3.01	100.0	5	551
150.0	19.0	23	23.7	110	39.0	BD	57	03	09	1316	128	553	2.31	100.0	2	16
150.0	25.0	23	12.0	111	01.5	BD	57	03	09	1641	148	528	2.81	100.0	1	46
150.0	30.0	23	02.0	111	20.0	BD	57	03	09	1921	136	539	2.52	100.0	24	91
150.0	40.0	22	42.0	111	57.2	BD	57	03	10	0011	140	666	2.10	100.0	9	223

TABLE 1. (cont.)

CalCOFI Cruise 5704

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	26.5	120	32.5	HO	57	04	11	0713	86	300	2.87	25.0	5	14
80.0	55.0	34	18.5	120	49.0	HO	57	04	11	1021	112	601	1.86	25.0	168	54
80.0	60.0	34	09.0	121	09.0	HO	57	04	11	1356	126	522	2.42	25.0	17	17
80.0	70.0	33	42.3	121	55.0	HO	57	04	11	1926	144	445	3.23	12.5	11	4
80.0	80.0	33	26.5	122	32.8	HO	57	04	11	2356	129	562	2.29	25.0	7	9
80.0	90.0	33	10.0	123	13.0	HO	57	04	12	0416	136	470	2.89	50.0	20	10
82.0	47.0	34	15.0	119	58.0	HO	57	04	13	0736	135	501	2.70	100.0	169	315
83.0	40.0	34	14.0	119	22.0	HO	57	04	13	1201	13	66	1.97	25.0	33	1184
83.0	43.0	34	08.0	119	35.5	HO	57	04	13	1041	101	612	1.65	25.0	36	43
83.0	51.0	33	52.0	120	08.5	HO	57	04	13	0251	127	527	2.41	50.0	147	10
83.0	60.0	33	34.0	120	45.0	HO	57	04	12	2251	107	573	1.86	25.0	51	66
83.0	70.0	33	12.4	121	27.5	HO	57	04	12	1721	124	501	2.47	50.0	8	22
83.0	80.0	32	59.8	122	07.0	HO	57	04	12	1306	122	561	2.18	100.0	23	8
83.0	90.0	32	37.8	122	47.4	HO	57	04	12	0826	120	512	2.35	100.0	17	240
86.0	46.0	33	36.5	119	29.0	HO	57	04	13	2321	127	515	2.46	50.0	255	148
87.0	36.0	33	48.0	118	41.7	HO	57	04	13	1640	112	539	2.07	50.0	387	231
87.0	40.0	33	40.0	118	58.5	HO	57	04	13	1940	118	485	2.43	25.0	118	164
87.0	50.0	33	20.0	119	40.0	HO	57	04	14	0143	67	196	3.44	12.5	184	73
87.0	60.0	33	00.0	120	21.0	HO	57	04	14	0636	130	435	2.98	25.0	7	23
87.0	70.0	32	35.8	120	59.0	HO	57	04	14	1115	126	444	2.84	25.0	40	54
87.0	80.0	32	19.5	121	45.2	HO	57	04	14	1556	139	435	3.19	25.0	3	11
87.0	90.0	31	59.0	122	27.0	HO	57	04	14	1946	123	489	2.52	25.0	23	15
90.0	28.0	33	27.7	117	46.4	HO	57	04	17	1211	122	514	2.37	50.0	714	2814
90.0	30.0	33	24.5	117	55.0	HO	57	04	17	1114	109	557	1.96	25.0	110	254
90.0	37.0	33	11.2	118	23.2	HO	57	04	16	0651	138	446	3.10	25.0	105	2546
90.0	45.0	32	54.5	118	56.0	HO	57	04	16	0100	143	434	3.29	25.0	174	157
90.0	55.0	32	32.4	119	35.5	HO	57	04	15	1945	142	420	3.39	25.0	153	170
90.0	60.0	32	22.7	120	00.0	HO	57	04	15	1641	135	462	2.93	100.0	62	1403
90.0	70.0	32	03.5	120	40.0	HO	57	04	15	1121	135	465	2.90	50.0	84	54
90.0	80.0	31	45.5	121	25.5	HO	57	04	15	0540	136	440	3.10	25.0	27	141
90.0	90.0	31	25.5	122	03.0	HO	57	04	15	0101	148	448	3.31	50.0	162	285
93.0	27.0	32	56.0	117	19.2	HO	57	04	18	1436	89	282	3.14	50.0	193	225
93.0	30.0	32	49.0	117	32.5	HO	57	04	18	1721	150	439	3.41	25.0	129	282
93.0	35.0	32	44.0	117	43.6	HO	57	04	18	1856	147	400	3.67	100.0	238	1574
93.0	40.0	32	30.0	118	12.5	HO	57	04	19	0001	123	492	2.50	12.5	106	610
93.0	45.0	32	20.0	118	33.0	HO	57	04	19	0256	139	449	3.09	25.0	239	59
93.0	50.0	32	07.0	118	55.0	HO	57	04	19	0641	149	400	3.73	25.0	136	176
93.0	55.0	31	55.0	119	18.0	HO	57	04	19	0901	121	503	2.40	50.0	241	59
93.0	60.0	31	43.2	119	40.0	HO	57	04	19	1301	135	473	2.85	25.0	37	247
93.0	70.0	31	29.0	120	14.0	HO	57	04	19	1726	132	482	2.74	50.0	0	236
93.0	90.0	30	49.5	121	32.0	HO	57	04	20	0221	110	690	1.59	25.0	20	20
97.0	30.0	32	15.2	117	08.7	HO	57	04	21	1729	36	234	1.53	50.0	172	344
97.0	32.0	32	11.5	117	16.2	HO	57	04	21	1526	125	442	2.83	50.0	111	984
97.0	40.0	31	59.0	117	47.0	HO	57	04	21	1126	129	427	3.01	50.0	7	8
97.0	45.0	31	47.0	118	10.0	HO	57	04	21	0916	133	434	3.07	50.0	29	113

TABLE 1. (cont.)

CalCOFI Cruise 5704

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
97.0	60.0	31	14.0	119	08.0	HO	57	04	20	2315	101	633	1.60	12.5	48	258
97.0	70.0	30	53.0	119	49.0	HO	57	04	20	1720	132	467	2.84	100.0	30	53
97.0	80.0	30	37.5	120	31.0	HO	57	04	20	1056	123	524	2.35	25.0	3	13
97.0	90.0	30	17.0	121	08.0	HO	57	04	20	0720	146	381	3.83	50.0	29	65
100.0	29.0	31	41.4	116	43.5	HO	57	04	21	2122	113	430	2.62	50.0	92	76
100.0	33.0	31	35.5	116	56.5	HO	57	04	21	2344	117	449	2.61	50.0	124	153
100.0	40.0	31	23.0	117	29.0	HO	57	04	23	1011	131	536	2.45	50.0	56	203
100.0	45.0	31	11.0	117	48.0	HO	57	04	23	1311	147	466	3.15	100.0	27	25
100.0	50.0	30	59.0	118	11.0	HO	57	04	23	1536	144	460	3.14	100.0	4	10
100.0	55.0	30	50.0	118	27.0	HO	57	04	23	1811	152	443	3.44	100.0	16	72
100.0	60.0	30	44.0	118	47.5	HO	57	04	23	2051	127	525	2.42	50.0	70	26
100.0	70.0	30	26.0	119	27.0	HO	57	04	24	0146	110	626	1.76	100.0	305	258
100.0	80.0	30	08.0	120	09.0	HO	57	04	24	0720	151	443	3.41	100.0	31	277
100.0	90.0	29	50.0	120	50.0	HO	57	04	24	1126	133	500	2.66	50.0	11	535
103.0	30.0	31	05.8	116	26.3	HO	57	04	26	0054	36	248	1.43	100.0	469	146
103.0	35.0	30	54.7	116	43.0	HO	57	04	25	2251	132	497	2.65	100.0	48	56
103.0	40.0	30	42.0	117	00.4	HO	57	04	25	1940	142	504	2.82	100.0	15	43
103.0	45.0	30	35.0	117	21.0	HO	57	04	25	1640	142	461	3.08	100.0	20	83
103.0	50.0	30	25.5	117	44.0	HO	57	04	25	1416	132	494	2.68	100.0	11	20
103.0	55.0	30	08.0	118	08.0	HO	57	04	25	1004	138	492	2.80	100.0	29	51
103.0	60.0	30	01.0	118	22.0	HO	57	04	25	0716	152	446	3.41	100.0	78	105
103.0	70.0	29	45.0	119	02.0	HO	57	04	25	0216	150	468	3.20	100.0	368	132
103.0	80.0	29	26.5	119	45.5	HO	57	04	24	2106	143	475	3.01	100.0	208	95
103.0	90.0	29	06.0	120	25.0	HO	57	04	24	1636	142	455	3.13	100.0	51	80
107.0	32.0	30	25.8	116	11.0	HO	57	04	26	0506	136	427	3.19	50.0	40	22
107.0	35.0	30	20.0	116	23.0	HO	57	04	26	0736	141	433	3.25	100.0	166	310
107.0	40.0	30	10.5	116	43.5	HO	57	04	26	1046	147	443	3.33	100.0	64	106
107.0	45.0	29	59.5	117	04.2	HO	57	04	26	1306	140	494	2.84	100.0	62	156
107.0	50.0	29	49.8	117	25.3	HO	57	04	26	1615	153	448	3.42	100.0	0	21
107.0	55.0	29	40.5	117	46.2	HO	57	04	26	1835	144	452	3.18	100.0	72	116
107.0	60.0	29	33.0	118	02.0	HO	57	04	26	2110	149	426	3.50	100.0	203	43
107.0	70.0	29	14.0	118	42.0	HO	57	04	27	0151	119	547	2.17	100.0	108	43
107.0	80.0	28	54.0	119	23.0	HO	57	04	27	0631	144	432	3.32	100.0	5	22
107.0	90.0	28	36.0	120	00.0	HO	57	04	27	1026	137	488	2.80	100.0	11	6
110.0	33.0	29	48.0	115	51.8	HO	57	04	28	2315	65	243	2.68	12.5	5	0
110.0	35.0	29	44.7	115	57.3	HO	57	04	28	2220	144	457	3.14	50.0	38	9
110.0	40.0	29	36.5	116	19.6	HO	57	04	28	1921	146	414	3.53	50.0	76	58
110.0	45.0	29	26.0	116	37.0	HO	57	04	28	1611	138	462	2.99	100.0	34	94
110.0	50.0	29	05.5	117	01.0	HO	57	04	28	1256	136	473	2.86	100.0	8	32
110.0	55.0	28	58.0	117	22.5	HO	57	04	28	0936	136	459	2.96	100.0	7	14
110.0	60.0	28	52.0	117	43.0	HO	57	04	28	0706	153	395	3.87	100.0	22	14
110.0	70.0	28	35.5	118	20.0	HO	57	04	28	0151	145	440	3.30	100.0	171	79
110.0	80.0	28	17.0	118	57.5	HO	57	04	27	2110	149	445	3.34	100.0	75	98
110.0	90.0	27	57.0	119	37.0	HO	57	04	27	1556	145	433	3.35	100.0	23	291
113.0	30.0	29	21.5	115	18.2	HO	57	04	29	0326	39	228	1.72	100.0	162	6

TABLE 1. (cont.)

CalCOFI Cruise 5704

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)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
113.0	35.0	29	12.0	115	39.0	HO	57	04	29	0621	152	385	3.95	100.0	23	47
113.0	40.0	29	02.3	115	58.5	HO	57	04	29	0911	136	451	3.02	100.0	11	27
113.0	45.0	28	52.0	116	17.8	HO	57	04	29	1116	136	483	2.83	100.0	8	48
113.0	50.0	28	43.0	116	37.0	HO	57	04	29	1406	117	560	2.09	100.0	9	12
113.0	55.0	28	33.0	116	57.0	HO	57	04	29	1611	144	455	3.18	100.0	15	231
113.0	60.0	28	25.0	117	15.0	HO	57	04	29	1906	150	423	3.55	100.0	48	177
113.0	70.0	28	07.0	117	57.5	HO	57	04	29	1551	126	500	2.53	100.0	5	145
113.0	80.0	27	47.0	118	35.5	HO	57	04	29	1136	127	432	2.93	100.0	15	0
117.0	26.0	28	55.0	114	43.0	ST	57	04	28	0033	55	194	2.83	100.0	28	215
117.0	30.0	28	48.5	114	57.6	ST	57	04	28	0203	78	203	3.84	100.0	42	588
117.0	35.0	28	37.0	115	16.0	ST	57	04	28	0421	101	535	1.89	50.0	6	9
117.0	40.0	28	28.2	115	38.0	ST	57	04	28	1021	129	498	2.60	25.0	4	15
117.0	45.0	28	18.0	115	56.2	ST	57	04	28	1236	138	485	2.85	100.0	1	11
117.0	50.0	28	08.0	116	14.0	ST	57	04	28	1556	128	471	2.71	25.0	1	9
117.0	55.0	27	57.0	116	34.8	ST	57	04	28	1811	138	443	3.11	12.5	0	4
117.0	60.0	27	46.8	116	55.0	ST	57	04	28	2126	130	493	2.63	50.0	10	169
117.0	70.0	27	26.5	117	36.5	ST	57	04	29	0236	123	460	2.67	100.0	17	142
117.0	80.0	27	07.0	118	12.5	ST	57	04	29	0636	117	482	2.42	100.0	41	676
118.0	39.0	28	16.8	115	25.2	ST	57	04	28	0726	114	530	2.15	100.0	24	82
119.0	33.0	28	18.8	114	53.0	ST	57	04	27	1243	80	258	3.08	25.0	1	39
120.0	25.0	28	23.0	114	15.0	ST	57	04	27	2014	20	83	2.45	100.0	40	181
120.0	30.0	28	12.1	114	32.0	ST	57	04	27	1753	54	253	2.14	100.0	11	324
120.0	35.0	28	03.0	114	54.0	ST	57	04	27	1433	49	259	1.90	25.0	15	142
120.0	50.0	27	33.8	115	51.0	ST	57	04	26	2106	128	442	2.89	12.5	4	4
120.0	55.0	27	25.0	116	12.0	ST	57	04	26	1756	119	449	2.65	12.5	3	12
120.0	60.0	27	17.0	116	32.0	ST	57	04	26	1441	142	426	3.35	100.0	0	0
120.0	70.0	27	01.0	117	06.4	ST	57	04	26	1026	126	515	2.45	100.0	74	161
120.0	80.0	26	38.2	117	44.0	ST	57	04	26	0526	131	430	3.05	100.0	16	57
123.0	37.0	27	23.5	114	40.5	ST	57	04	25	0144	44	148	2.97	50.0	0	0
123.0	42.0	27	14.0	115	00.5	ST	57	04	25	0441	126	437	2.88	50.0	8	130
123.0	50.0	26	57.5	115	32.2	ST	57	04	25	0836	118	474	2.49	12.5	1	6
123.0	55.0	26	49.0	115	49.0	ST	57	04	25	1046	128	493	2.59	100.0	5	219
123.0	60.0	26	39.2	116	09.0	ST	57	04	25	1341	138	454	3.05	100.0	17	419
123.0	70.0	26	19.0	116	47.0	ST	57	04	25	1911	123	593	2.07	100.0	50	130
123.0	80.0	25	58.5	117	26.0	ST	57	04	26	0011	123	499	2.46	100.0	73	134
127.0	34.0	26	55.0	114	06.0	ST	57	04	24	2038	58	357	1.63	100.0	25	166
127.0	40.0	26	40.5	114	29.0	ST	57	04	24	1731	131	481	2.73	100.0	0	0
127.0	45.0	26	31.5	114	48.0	ST	57	04	24	1416	133	439	3.04	100.0	16	128
127.0	50.0	26	22.5	115	08.0	ST	57	04	24	1206	131	497	2.64	25.0	6	83
127.0	55.0	26	12.4	115	27.1	ST	57	04	24	0831	137	459	2.98	100.0	128	71
127.0	60.0	26	03.5	115	46.0	ST	57	04	24	0611	137	456	3.01	100.0	39	298
127.0	70.0	25	44.0	116	25.0	ST	57	04	24	0036	137	450	3.05	50.0	12	406
127.0	80.0	25	25.0	117	02.0	ST	57	04	23	1956	129	470	2.74	100.0	7	445
130.0	30.0	26	29.5	113	28.2	ST	57	04	22	1139	33	190	1.74	100.0	3	4
130.0	35.0	26	19.0	113	47.0	ST	57	04	22	1421	109	521	2.10	50.0	34	163

TABLE 1. (cont.)

CalCOFI Cruise 5704

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
130.0	40.0	26	07.0	114	08.0	ST	57	04	22	1756	129	457	2.83	50.0	3	61
130.0	50.0	25	46.0	114	47.5	ST	57	04	22	2341	130	424	3.06	100.0	31	82
130.0	55.0	25	35.0	115	10.0	ST	57	04	23	0201	143	436	3.28	50.0	50	188
130.0	60.0	25	25.0	115	30.0	ST	57	04	23	0526	136	444	3.07	100.0	14	43
130.0	70.0	25	07.0	116	04.2	ST	57	04	23	0951	120	479	2.51	100.0	10	797
130.0	80.0	24	49.0	116	39.0	ST	57	04	23	1426	129	450	2.87	100.0	6	317
133.0	25.0	26	04.0	112	49.0	ST	57	04	21	1333	62	248	2.52	100.0	1	18
133.0	30.0	25	52.3	113	07.5	ST	57	04	21	1116	117	484	2.42	12.5	2	13
133.0	35.0	25	43.0	113	28.0	ST	57	04	21	0806	136	456	2.98	100.0	105	240
133.0	40.0	25	38.0	113	40.0	ST	57	04	21	0626	135	456	2.97	50.0	44	86
133.0	45.0	25	27.0	114	01.0	ST	57	04	21	0311	130	467	2.78	100.0	50	94
133.0	50.0	25	15.2	114	22.0	ST	57	04	21	0056	141	444	3.17	100.0	49	14
133.0	55.0	25	03.8	114	42.5	ST	57	04	20	2106	125	433	2.89	50.0	16	81
133.0	60.0	24	51.0	115	05.0	ST	57	04	20	1826	109	498	2.19	50.0	10	78
133.0	70.0	24	40.5	115	38.0	ST	57	04	20	1316	130	448	2.90	100.0	8	192
133.0	80.0	24	11.0	116	30.0	ST	57	04	20	0711	120	558	2.15	100.0	18	45
137.0	23.0	25	33.0	112	19.5	ST	57	04	18	2039	35	214	1.65	25.0	8	10
137.0	30.0	25	19.0	112	48.0	ST	57	04	19	0023	74	224	3.30	100.0	5	21
137.0	40.0	24	57.5	113	29.0	ST	57	04	19	0551	116	448	2.38	25.0	14	24
137.0	45.0	24	46.4	113	49.0	ST	57	04	19	0736	118	493	2.39	50.0	13	49
137.0	50.0	24	40.0	114	02.0	ST	57	04	19	1016	133	455	2.93	100.0	15	59
137.0	55.0	24	30.0	114	21.0	ST	57	04	19	1226	135	466	2.89	100.0	10	726
137.0	60.0	24	19.0	114	42.0	ST	57	04	19	1622	134	483	2.77	100.0	1	216
137.0	70.0	23	59.0	115	21.5	ST	57	04	19	2116	130	415	3.14	100.0	56	312
137.0	80.0	23	39.0	116	00.5	ST	57	04	20	0201	146	456	3.20	100.0	24	74
140.0	30.0	24	45.0	112	24.5	ST	57	04	18	1449	67	287	2.35	100.0	1	54
140.0	35.0	24	37.0	112	47.0	ST	57	04	18	1211	127	502	2.53	100.0	3	9
140.0	40.0	24	27.0	113	04.0	ST	57	04	18	0911	115	564	2.04	50.0	46	15
140.0	45.0	24	17.0	113	22.0	ST	57	04	18	0526	125	547	2.28	100.0	44	514
140.0	50.0	24	07.5	113	40.5	ST	57	04	18	0301	114	453	2.51	50.0	24	26
140.0	55.0	23	57.5	113	59.0	ST	57	04	17	2256	124	486	2.56	100.0	11	561
140.0	60.0	23	48.0	114	18.5	ST	57	04	17	2031	128	428	2.99	100.0	20	844
140.0	70.0	23	26.0	114	55.0	ST	57	04	17	1456	142	495	2.86	50.0	12	206
140.0	80.0	23	04.0	115	33.8	ST	57	04	17	0906	113	456	2.48	100.0	15	264
143.0	26.0	24	24.0	111	48.1	ST	57	04	15	0418	66	254	2.61	100.0	3	0
143.0	30.0	24	11.0	112	03.2	ST	57	04	15	0626	131	531	2.48	100.0	7	3
143.0	35.0	24	00.5	112	21.8	ST	57	04	15	0901	127	503	2.52	100.0	23	45
143.0	40.0	23	50.8	112	41.2	ST	57	04	15	1141	131	459	2.86	100.0	30	11
147.0	20.0	23	56.0	111	03.5	ST	57	04	14	1937	105	352	2.99	100.0	3	3
147.0	25.0	23	45.5	111	22.8	ST	57	04	14	2321	108	376	2.88	100.0	6	2
147.0	30.0	23	34.0	111	42.0	ST	57	04	15	1756	134	448	2.98	100.0	6	8
147.0	35.0	23	23.0	112	02.0	ST	57	04	15	2126	136	477	2.85	50.0	4	56
147.0	40.0	23	12.0	112	22.0	ST	57	04	16	0051	124	505	2.46	100.0	76	21
147.0	45.0	23	01.0	112	41.0	ST	57	04	16	0311	141	544	2.59	100.0	18	64
147.0	50.0	22	48.0	113	03.0	ST	57	04	16	0641	144	476	3.02	100.0	2	54

TABLE 1. (cont.)

CalCOFI Cruise 5704

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
147.0	55.0	22	44.5	113	18.0	ST	57	04	16	0826	145	424	3.41	100.0	9	85
147.0	60.0	22	38.0	113	33.0	ST	57	04	16	1056	119	491	2.41	100.0	3	122
147.0	70.0	22	17.0	114	12.0	ST	57	04	16	1646	132	470	2.80	100.0	7	199
147.0	80.0	21	54.0	114	49.0	ST	57	04	16	2211	136	472	2.89	100.0	9	49
150.0	16.0	23	30.0	110	27.5	BD	57	04	05	1316	141	488	2.89	100.0	1	26
150.0	20.0	23	22.0	110	43.0	BD	57	04	05	1511	147	496	2.97	100.0	5	6
150.0	25.0	23	12.0	111	01.5	BD	57	04	05	1811	143	533	2.69	50.0	0	3
150.0	30.0	23	02.0	111	20.0	BD	57	04	05	2048	135	471	2.87	12.5	0	14
150.0	35.0	22	52.0	111	38.7	BD	57	04	05	2334	138	498	2.77	50.0	4	8
150.0	40.0	22	42.0	111	57.5	BD	57	04	06	0216	143	442	3.24	50.0	399	62
153.0	16.0	22	54.0	110	07.0	ST	57	04	14	1126	126	512	2.47	100.0	2	38
153.0	20.0	22	45.0	110	23.0	ST	57	04	14	0836	136	412	3.31	100.0	62	384
153.0	25.0	22	35.5	110	42.0	ST	57	04	14	0456	131	605	2.17	100.0	25	81
153.0	30.0	22	25.5	111	01.0	ST	57	04	14	0231	149	480	3.11	100.0	98	322
153.0	35.0	22	15.6	111	20.0	ST	57	04	13	2301	113	471	2.40	100.0	62	204
153.0	40.0	22	06.0	111	40.0	ST	57	04	13	2021	115	596	1.92	100.0	19	217
153.0	45.0	21	56.0	111	57.0	ST	57	04	13	1641	134	491	2.72	100.0	6	214
153.0	50.0	21	46.0	112	12.7	ST	57	04	13	1441	132	443	2.99	100.0	12	687
153.0	55.0	21	31.0	112	35.0	ST	57	04	13	1046	125	493	2.53	100.0	4	58
153.0	60.0	21	23.0	112	46.0	ST	57	04	13	0856	115	536	2.15	100.0	9	507
157.0	15.0	22	20.0	109	43.0	BD	57	04	07	0001	138	494	2.79	100.0	94	128
157.0	20.0	22	11.5	110	01.0	BD	57	04	06	2116	138	504	2.74	100.0	111	0
157.0	25.0	22	03.0	110	19.0	BD	57	04	06	1841	142	495	2.86	100.0	4	267
157.0	30.0	21	52.5	110	37.5	BD	57	04	06	1616	138	506	2.72	100.0	10	16
157.0	35.0	21	42.5	110	56.0	BD	57	04	06	1346	139	517	2.69	100.0	26	39
157.0	40.0	21	32.5	111	14.5	BD	57	04	06	1106	137	490	2.80	100.0	20	54

TABLE 1. (cont.)

CalCOFI Cruise 5705

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	50.0	37	57.5	122	53.2	BD	57	05	16	1004	35	76	4.59	50.0	2	7
60.0	55.0	37	47.5	123	15.0	BD	57	05	16	1307	105	218	4.85	100.0	33	16
60.0	60.0	37	37.0	123	37.0	BD	57	05	16	1551	141	299	4.73	100.0	24	122
60.0	70.0	37	17.0	124	21.0	BD	57	05	16	2106	138	306	4.52	100.0	47	154
60.0	80.0	36	57.0	125	04.0	BD	57	05	17	0221	139	332	4.18	50.0	19	54
60.0	90.0	36	37.0	125	47.0	BD	57	05	17	0747	144	330	4.35	100.0	2	14
63.0	52.0	37	19.0	122	36.2	BD	57	05	16	0418	70	161	4.36	100.0	21	99
63.0	55.0	37	11.2	122	49.7	BD	57	05	16	0156	149	353	4.23	50.0	17	31
63.0	60.0	37	02.5	123	11.7	BD	57	05	15	2201	135	407	3.32	50.0	25	53
63.0	70.0	36	42.5	123	55.5	BD	57	05	15	1616	138	383	3.61	100.0	5	18
63.0	80.0	36	22.5	124	38.5	BD	57	05	15	1121	143	369	3.87	100.0	3	10
67.0	50.0	36	49.0	122	04.6	BD	57	05	14	1252	85	297	2.87	100.0	8	17
67.0	55.0	36	39.0	122	26.0	BD	57	05	14	1531	139	403	3.44	50.0	3	50
67.0	60.0	36	29.0	122	47.5	BD	57	05	14	1836	134	382	3.52	100.0	34	259
67.0	70.0	36	09.0	123	31.7	BD	57	05	15	0001	145	351	4.12	100.0	21	43
67.0	80.0	35	49.3	124	13.7	BD	57	05	15	0551	144	360	4.00	100.0	4	3
70.0	52.0	36	08.5	121	49.8	BD	57	05	14	0742	138	393	3.52	50.0	34	126
70.0	55.0	36	03.0	122	02.0	BD	57	05	14	0507	139	320	4.33	12.5	6	105
70.0	60.0	35	53.0	122	23.0	BD	57	05	14	0227	138	321	4.30	50.0	26	275
70.0	70.0	35	33.0	123	06.0	BD	57	05	13	2201	142	320	4.45	100.0	111	559
70.0	80.0	35	13.0	123	48.0	BD	57	05	13	1721	140	403	3.47	100.0	9	68
70.0	90.0	34	53.0	124	30.0	BD	57	05	13	1235	140	424	3.29	100.0	4	149
73.0	50.0	35	37.0	121	16.6	BD	57	05	12	1402	83	274	3.03	50.0	7	14
73.0	55.0	35	27.5	121	37.2	BD	57	05	12	1641	138	445	3.11	50.0	14	9
73.0	60.0	35	18.0	121	58.4	BD	57	05	12	1936	144	315	4.56	100.0	173	712
73.0	70.0	34	58.2	122	39.8	BD	57	05	13	0047	137	332	4.13	25.0	14	191
73.0	80.0	34	38.2	123	21.7	BD	57	05	13	0606	142	364	3.91	50.0	7	65
77.0	50.0	35	04.0	120	52.0	BD	57	05	12	0842	114	345	3.30	50.0	13	18
77.0	55.0	34	52.7	121	12.4	BD	57	05	12	0541	138	366	3.76	50.0	19	17
77.0	60.0	34	42.6	121	34.8	BD	57	05	12	0236	138	342	4.02	25.0	29	28
77.0	70.0	34	24.2	122	16.0	BD	57	05	11	2120	143	385	3.71	12.5	15	6
77.0	80.0	34	04.2	122	57.0	BD	57	05	11	1631	144	390	3.69	100.0	6	133
80.0	51.0	34	26.5	120	32.0	HO	57	05	09	1558	72	283	2.54	100.0	1	3
80.0	55.0	34	19.0	120	47.0	HO	57	05	09	1345	137	509	2.69	50.0	7	6
80.0	60.0	34	10.0	121	12.0	HO	57	05	09	1041	140	476	2.94	25.0	4	97
80.0	70.0	33	49.0	121	51.0	BD	57	05	10	2206	141	395	3.57	25.0	42	114
80.0	80.0	33	29.5	122	27.8	BD	57	05	11	0321	140	433	3.24	100.0	17	66
80.0	90.0	33	09.0	123	13.0	BD	57	05	11	0931	146	402	3.65	100.0	20	353
82.0	47.0	34	14.0	119	55.5	HO	57	05	10	0140	126	543	2.33	25.0	82	15
83.0	40.0	34	14.0	119	23.0	HO	57	05	09	2200	15	53	2.82	50.0	861	264
83.0	43.0	34	13.0	119	34.0	HO	57	05	09	2302	126	501	2.52	25.0	48	15
83.0	51.0	33	51.5	120	08.0	HO	57	05	10	0507	117	338	3.45	100.0	33	3
83.0	55.0	33	44.0	120	24.3	HO	57	05	10	0726	129	379	3.40	50.0	39	606
83.0	60.0	33	33.5	120	45.5	HO	57	05	10	0936	135	466	2.89	100.0	12	79
83.0	70.0	33	14.5	121	26.0	BD	57	05	10	1621	139	456	3.04	100.0	2	2

TABLE 1. (cont.)

CalCOFI Cruise 5705

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
83.0	80.0	32	54.5	122	07.5	BD	57	05	10	1126	136	478	2.85	100.0	32	31
83.0	90.0	32	34.5	122	48.0	BD	57	05	10	0556	141	429	3.28	100.0	33	492
87.0	36.0	33	49.5	118	45.0	HO	57	05	11	0421	133	450	2.96	50.0	527	220
87.0	40.0	33	39.0	118	58.0	HO	57	05	11	0156	114	522	2.19	25.0	271	43
87.0	45.0	33	29.5	119	18.5	HO	57	05	10	2133	141	404	3.48	25.0	163	133
87.0	50.0	33	20.0	119	38.5	HO	57	05	10	1903	39	215	1.83	100.0	45	52
87.0	55.0	33	08.0	119	58.2	HO	57	05	10	1636	145	444	3.25	50.0	14	11
87.0	60.0	33	00.0	120	19.5	HO	57	05	10	1346	129	473	2.73	25.0	15	36
87.0	65.0	32	50.0	120	41.5	BD	57	05	09	0912	137	474	2.89	100.0	0	11
87.0	70.0	32	39.5	121	02.0	BD	57	05	09	1227	141	431	3.26	100.0	4	36
87.0	75.0	32	29.5	121	22.5	BD	57	05	09	1527	145	432	3.35	100.0	23	68
87.0	80.0	32	18.0	121	45.5	BD	57	05	09	1851	139	450	3.09	100.0	33	36
87.0	85.0	32	10.0	122	03.5	BD	57	05	09	2101	140	502	2.78	100.0	55	88
87.0	90.0	31	59.0	122	24.0	BD	57	05	10	0016	145	421	3.45	100.0	25	42
90.0	28.0	33	28.0	117	46.5	HO	57	05	11	0938	81	301	2.68	100.0	139	164
90.0	30.0	33	24.5	117	55.0	HO	57	05	11	1041	96	510	1.89	100.0	274	172
90.0	37.0	33	11.0	118	24.5	HO	57	05	12	0932	145	458	3.17	100.0	110	48
90.0	45.0	32	55.0	118	56.0	HO	57	05	12	1306	134	495	2.71	50.0	20	14
90.0	50.0	32	45.0	119	16.5	HO	57	05	12	1546	134	482	2.77	100.0	108	54
90.0	55.0	32	35.0	119	37.0	HO	57	05	12	1808	138	478	2.89	12.5	99	141
90.0	60.0	32	23.0	119	58.0	HO	57	05	12	2016	146	428	3.42	12.5	29	470
90.0	65.0	32	12.5	120	20.0	HO	57	05	12	2256	122	522	2.35	25.0	10	275
90.0	70.0	32	02.0	120	43.0	HO	57	05	13	0111	146	443	3.30	100.0	17	120
90.0	75.0	31	51.0	121	03.5	HO	57	05	13	0351	144	442	3.27	100.0	32	93
90.0	80.0	31	41.0	121	22.0	HO	57	05	13	0612	128	498	2.57	100.0	12	106
90.0	85.0	31	35.0	121	38.5	HO	57	05	13	0816	123	502	2.46	100.0	3	16
90.0	90.0	31	26.0	121	58.0	HO	57	05	13	1036	143	472	3.02	100.0	25	161
93.0	27.0	32	56.0	117	19.5	HO	57	05	14	2210	116	516	2.25	25.0	47	62
93.0	30.0	32	47.5	117	31.0	HO	57	05	14	2011	110	543	2.03	100.0	605	161
93.0	35.0	32	39.5	117	52.5	HO	57	05	14	1801	114	548	2.08	100.0	240	41
93.0	40.0	32	28.0	118	12.0	HO	57	05	14	1521	131	486	2.69	100.0	57	287
93.0	45.0	32	20.5	118	26.5	HO	57	05	14	1325	130	492	2.63	100.0	113	108
93.0	50.0	32	08.0	118	52.5	HO	57	05	14	1048	170	373	4.55	100.0	43	73
93.0	55.0	31	58.5	119	13.0	HO	57	05	14	0741	136	471	2.90	50.0	315	1146
93.0	60.0	31	43.0	119	38.5	HO	57	05	14	0421	139	449	3.09	100.0	293	2583
93.0	65.0	31	35.5	119	56.0	HO	57	05	14	0211	126	491	2.56	50.0	57	121
93.0	70.0	31	26.0	120	16.0	HO	57	05	13	2334	130	480	2.71	100.0	121	191
93.0	75.0	31	19.0	120	34.0	HO	57	05	13	2126	132	492	2.68	100.0	22	67
93.0	80.0	31	13.5	120	53.0	HO	57	05	13	1926	136	502	2.70	100.0	15	72
93.0	85.0	31	03.0	121	15.0	HO	57	05	13	1705	150	434	3.45	100.0	20	42
93.0	90.0	30	53.0	121	37.0	HO	57	05	13	1445	142	473	2.99	100.0	11	213
97.0	30.0	32	15.5	117	08.5	HO	57	05	15	0418	69	309	2.23	50.0	163	699
97.0	32.0	32	11.5	117	16.5	HO	57	05	15	0516	139	434	3.19	100.0	26	45
97.0	40.0	31	55.0	117	50.0	HO	57	05	15	0901	111	569	1.95	50.0	4	32
97.0	45.0	31	44.0	118	11.5	HO	57	05	15	1125	128	492	2.60	100.0	19	170

TABLE 1. (cont.)

CalCOFI Cruise 5705

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
97.0	50.0	31	37.0	118	30.0	HO	57	05	15	1336	137	479	2.87	100.0	23	46
97.0	55.0	31	27.0	118	51.0	HO	57	05	15	1711	144	445	3.24	25.0	173	927
97.0	60.0	31	19.0	119	11.0	HO	57	05	15	1920	155	397	3.92	100.0	95	250
97.0	65.0	31	06.0	119	32.0	HO	57	05	15	2221	140	483	2.90	100.0	136	412
97.0	70.0	30	57.0	119	52.5	HO	57	05	16	0046	125	529	2.37	100.0	191	457
97.0	75.0	30	47.5	120	14.0	HO	57	05	16	0336	151	451	3.35	100.0	55	127
97.0	80.0	30	38.5	120	34.5	HO	57	05	16	0603	150	432	3.48	100.0	8	73
97.0	85.0	30	25.5	120	50.0	HO	57	05	16	0820	138	463	2.98	100.0	6	43
97.0	90.0	30	14.0	121	09.0	HO	57	05	16	1056	107	566	1.89	100.0	9	21
100.0	29.0	31	42.0	116	43.5	HO	57	05	18	0116	113	502	2.26	50.0	35	4
100.0	33.0	31	34.0	116	54.0	HO	57	05	17	2306	116	544	2.13	25.0	130	16
100.0	40.0	31	19.5	117	24.5	HO	57	05	17	1845	155	419	3.70	100.0	41	3
100.0	45.0	31	10.0	117	46.0	HO	57	05	17	1528	134	472	2.83	100.0	13	437
100.0	50.0	31	00.0	118	01.0	HO	57	05	17	1306	124	517	2.40	100.0	37	672
100.0	55.0	30	48.0	118	25.0	HO	57	05	17	1001	117	512	2.28	50.0	10	343
100.0	60.0	30	38.5	118	46.0	HO	57	05	17	0718	139	468	2.98	100.0	33	987
100.0	65.0	30	29.0	119	06.5	HO	57	05	17	0440	139	460	3.01	100.0	155	142
100.0	70.0	30	19.0	119	26.0	HO	57	05	17	0211	149	435	3.42	100.0	441	96
100.0	75.0	30	10.0	119	46.0	HO	57	05	16	2306	124	544	2.28	100.0	273	61
100.0	80.0	30	00.0	120	06.0	HO	57	05	16	2022	118	542	2.17	100.0	413	100
100.0	85.0	29	50.0	120	26.5	HO	57	05	16	1742	149	437	3.42	100.0	49	35
100.0	90.0	29	40.5	120	47.5	HO	57	05	16	1511	148	463	3.20	100.0	46	68
103.0	30.0	31	05.1	116	25.5	OR	57	05	19	2133	71	313	2.26	50.0	104	17
103.0	35.0	30	57.0	116	45.0	OR	57	05	20	0006	142	434	3.28	100.0	59	125
103.0	40.0	30	48.0	117	02.0	OR	57	05	20	0221	146	425	3.44	100.0	64	505
103.0	45.0	30	38.0	117	21.0	OR	57	05	20	0446	135	528	2.56	100.0	79	199
103.0	50.0	30	26.5	117	45.0	OR	57	05	20	0821	143	551	2.60	100.0	39	206
103.0	55.0	30	16.3	118	05.0	OR	57	05	20	1131	144	402	3.57	100.0	22	187
103.0	60.0	30	08.0	118	22.0	OR	57	05	20	1421	137	395	3.47	100.0	44	64
103.0	65.0	29	57.0	118	45.0	OR	57	05	20	1716	134	504	2.65	100.0	288	176
103.0	70.0	29	46.0	119	05.0	OR	57	05	20	1951	145	450	3.21	100.0	111	309
103.0	75.0	29	36.0	119	24.0	OR	57	05	20	2226	141	482	2.93	100.0	73	31
103.0	80.0	29	27.0	119	44.0	OR	57	05	21	0101	136	395	3.43	100.0	420	33
103.0	85.0	29	17.0	120	04.0	OR	57	05	21	0330	133	548	2.42	50.0	306	33
103.0	90.0	29	07.0	120	23.0	OR	57	05	21	0556	139	513	2.70	100.0	223	39
107.0	32.0	30	27.8	116	12.0	OR	57	05	22	1946	137	592	2.31	25.0	52	5
107.0	35.0	30	20.0	116	23.0	OR	57	05	22	1801	138	654	2.10	100.0	49	16
107.0	40.0	30	13.0	116	43.0	OR	57	05	22	1456	134	595	2.25	100.0	70	77
107.0	45.0	30	04.0	117	04.0	OR	57	05	22	1216	137	453	3.02	100.0	18	98
107.0	50.0	29	51.0	117	22.0	OR	57	05	22	0916	142	572	2.49	100.0	83	453
107.0	55.0	29	42.0	117	42.0	OR	57	05	22	0621	134	625	2.14	100.0	311	475
107.0	60.0	29	33.0	118	02.0	OR	57	05	22	0326	134	632	2.12	25.0	135	29
107.0	65.0	29	22.0	118	22.0	OR	57	05	22	0026	140	465	3.02	100.0	283	45
107.0	70.0	29	12.0	118	41.0	OR	57	05	21	2126	143	606	2.36	50.0	396	169
107.0	75.0	29	02.0	119	00.0	OR	57	05	21	1831	135	638	2.12	100.0	99	14

TABLE 1. (cont.)

CalCOFI Cruise 5705

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
107.0	80.0	28	52.0	119	20.0	OR	57	05	21	1546	137	429	3.19	100.0	142	14
107.0	85.0	28	42.0	119	40.0	OR	57	05	21	1311	135	381	3.56	100.0	144	27
107.0	90.0	28	35.0	119	58.0	OR	57	05	21	1026	144	498	2.89	100.0	94	35
110.0	33.0	29	50.4	115	52.1	ST	57	05	22	0603	68	247	2.76	100.0	6	1
110.0	35.0	29	46.7	115	59.4	ST	57	05	22	0436	138	466	2.96	100.0	23	7
110.0	40.0	29	32.3	116	20.1	ST	57	05	22	0121	133	455	2.92	25.0	7	195
110.0	45.0	29	24.0	116	37.3	ST	57	05	21	2236	139	454	3.07	100.0	33	134
110.0	50.0	29	14.7	116	59.0	ST	57	05	21	1936	141	459	3.08	100.0	22	37
110.0	55.0	29	05.1	117	20.1	ST	57	05	21	1701	142	451	3.16	100.0	10	83
110.0	60.0	28	56.6	117	38.5	ST	57	05	21	1431	146	479	3.05	100.0	8	168
110.0	65.0	28	44.6	117	56.2	ST	57	05	21	1201	133	502	2.66	50.0	6	817
110.0	70.0	28	34.0	118	18.0	ST	57	05	21	0916	132	496	2.65	100.0	18	119
110.0	75.0	28	25.0	118	37.0	ST	57	05	21	0651	137	474	2.89	100.0	36	296
110.0	80.0	28	14.1	118	57.1	ST	57	05	21	0426	143	473	3.02	100.0	117	65
110.0	85.0	28	04.0	119	17.1	ST	57	05	21	0201	137	494	2.78	100.0	141	562
110.0	90.0	27	54.0	119	37.8	ST	57	05	20	2326	141	462	3.04	100.0	310	179
113.0	30.0	29	22.5	115	18.1	ST	57	05	19	1839	45	194	2.32	25.0	5	0
113.0	35.0	29	11.3	115	38.7	ST	57	05	19	2056	146	471	3.10	50.0	49	23
113.0	40.0	29	00.6	115	58.4	ST	57	05	19	2311	140	459	3.05	50.0	172	173
113.0	45.0	28	49.5	116	19.4	ST	57	05	20	0131	133	486	2.74	100.0	22	110
113.0	50.0	28	38.5	116	39.0	ST	57	05	20	0356	137	517	2.65	100.0	70	48
113.0	55.0	28	31.2	116	55.0	ST	57	05	20	0606	142	485	2.92	100.0	6	69
113.0	60.0	28	22.0	117	15.4	ST	57	05	20	0836	138	472	2.94	50.0	3	38
113.0	65.0	28	12.0	117	38.2	ST	57	05	20	1056	137	506	2.71	100.0	13	821
113.0	70.0	28	02.5	117	55.8	ST	57	05	20	1306	135	523	2.59	100.0	40	181
113.0	75.0	27	51.0	118	15.4	ST	57	05	20	1521	130	507	2.56	100.0	4	197
113.0	80.0	27	39.5	118	33.6	ST	57	05	20	1736	138	466	2.96	100.0	14	159
117.0	26.0	28	55.8	114	40.8	ST	57	05	19	1418	49	293	1.67	50.0	53	150
117.0	30.0	28	47.7	114	56.5	ST	57	05	19	1228	64	277	2.33	50.0	49	392
117.0	35.0	28	36.8	115	16.3	ST	57	05	19	0941	119	573	2.07	50.0	9	16
117.0	40.0	28	27.4	115	35.7	ST	57	05	19	0521	135	499	2.72	100.0	22	582
117.0	45.0	28	12.8	116	02.5	ST	57	05	19	0151	119	521	2.29	100.0	88	1031
117.0	50.0	28	02.8	116	21.7	ST	57	05	18	2306	129	460	2.80	100.0	29	33
117.0	55.0	27	56.4	116	37.5	ST	57	05	18	2036	136	447	3.04	25.0	52	13
117.0	60.0	27	47.7	116	55.0	ST	57	05	18	1816	137	443	3.08	100.0	9	23
117.0	65.0	27	38.9	117	11.8	ST	57	05	18	1611	126	481	2.61	50.0	2	36
117.0	70.0	27	26.8	117	34.3	ST	57	05	18	1331	119	524	2.27	50.0	16	511
117.0	75.0	27	16.0	117	54.0	ST	57	05	18	1106	135	502	2.69	100.0	27	925
117.0	80.0	27	07.0	118	12.5	ST	57	05	18	0841	133	497	2.68	50.0	32	981
118.0	39.0	28	19.0	115	23.2	ST	57	05	19	0711	136	450	3.02	100.0	25	70
119.0	33.0	28	18.3	114	54.5	ST	57	05	16	1653	78	292	2.68	50.0	119	993
120.0	25.0	28	23.0	114	14.5	ST	57	05	16	1324	44	118	3.70	100.0	28	727
120.0	30.0	28	14.2	114	33.2	ST	57	05	16	1103	76	271	2.79	25.0	34	166
120.0	35.0	28	02.6	114	54.0	ST	57	05	16	0838	56	188	3.00	25.0	3	65
120.0	40.0	27	56.5	115	13.9	ST	57	05	17	0904	23	152	1.52	100.0	72	142

TABLE 1. (cont.)

CalCOFI Cruise 5705

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
120.0	45.0	27	43.0	115	33.0	ST	57	05	17	1120	131	517	2.53	100.0	59	51
120.0	50.0	27	32.5	115	52.5	ST	57	05	17	1341	132	505	2.60	100.0	33	49
120.0	55.0	27	23.0	116	11.0	ST	57	05	17	1601	135	484	2.79	100.0	14	169
120.0	60.0	27	12.0	116	33.0	ST	57	05	17	1826	136	466	2.91	25.0	14	56
120.0	65.0	27	01.5	116	51.8	ST	57	05	17	2056	141	465	3.03	50.0	74	154
120.0	70.0	26	50.5	117	12.2	ST	57	05	17	2306	137	467	2.94	50.0	197	103
120.0	75.0	26	39.1	117	33.0	ST	57	05	18	0136	127	509	2.50	100.0	122	114
120.0	80.0	26	28.1	117	53.7	ST	57	05	18	0401	140	556	2.51	50.0	77	704
123.0	37.0	27	24.1	114	40.0	ST	57	05	16	0259	41	209	1.96	100.0	44	23
123.0	42.0	27	12.3	114	59.8	ST	57	05	16	0026	134	495	2.70	100.0	33	5
127.0	34.0	26	55.2	114	06.0	ST	57	05	15	1143	63	215	2.91	100.0	20	295
127.0	40.0	26	43.1	114	29.3	ST	57	05	15	1431	131	479	2.73	50.0	16	68
127.0	45.0	26	32.9	114	47.5	ST	57	05	15	1701	154	432	3.57	100.0	15	198
130.0	30.0	26	28.5	113	28.2	ST	57	05	14	1308	66	225	2.94	100.0	22	63
130.0	35.0	26	16.0	113	49.6	ST	57	05	14	1035	130	537	2.42	50.0	21	27
130.0	40.0	26	05.1	114	08.2	ST	57	05	14	0756	122	554	2.19	100.0	47	369
130.0	50.0	25	42.0	114	42.6	ST	57	05	14	0251	133	478	2.77	100.0	161	53
130.0	60.0	25	23.0	115	13.1	ST	57	05	13	2236	138	505	2.74	100.0	82	51
133.0	25.0	25	57.0	112	40.5	ST	57	05	13	0505	63	270	2.33	25.0	13	9
133.0	30.0	25	47.6	113	02.8	ST	57	05	13	0721	126	545	2.32	100.0	45	529
133.0	40.0	25	29.2	113	43.0	ST	57	05	13	1151	130	492	2.65	100.0	41	13
133.0	50.0	25	13.2	114	23.0	ST	57	05	13	1545	138	439	3.14	100.0	8	40
137.0	23.0	25	33.5	112	18.0	ST	57	05	13	0035	58	206	2.81	25.0	11	73
137.0	30.0	25	20.5	112	45.0	ST	57	05	12	2126	131	469	2.79	100.0	38	99
137.0	50.0	24	40.0	114	02.1	ST	57	05	12	1241	124	510	2.42	100.0	25	32

TABLE 1. (cont.)

CalCOFI Cruise 5706

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Standard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	50.0	37	57.5	122	53.2	BD	57	06	15	1228	33	193	1.70	25.0	0	0
60.0	55.0	37	47.5	123	15.0	BD	57	06	15	1612	101	334	3.03	100.0	6	330
60.0	60.0	37	37.2	123	37.2	BD	57	06	15	1936	135	432	3.12	100.0	3	129
60.0	70.0	37	15.5	124	23.8	BD	57	06	16	0425	128	451	2.84	25.0	13	27
60.0	80.0	36	57.0	125	04.0	BD	57	06	16	0851	129	443	2.91	50.0	36	22
60.0	90.0	36	37.0	125	47.0	BD	57	06	16	1356	150	374	4.02	100.0	4	19
63.0	52.0	37	19.0	122	36.2	BD	57	06	14	0628	76	203	3.72	100.0	45	13
63.0	55.0	37	14.0	122	49.5	BD	57	06	14	0406	136	374	3.64	50.0	36	57
63.0	60.0	37	06.7	123	10.0	BD	57	06	13	2331	136	419	3.24	25.0	18	146
63.0	70.0	36	42.0	123	56.0	BD	57	06	13	1411	141	420	3.35	50.0	15	23
63.0	80.0	36	22.3	124	38.8	BD	57	06	13	0706	142	390	3.65	100.0	6	37
63.0	90.0	36	02.2	125	21.3	BD	57	06	13	0146	143	396	3.60	100.0	11	27
67.0	50.0	36	49.0	122	04.6	BD	57	06	12	0052	92	281	3.28	100.0	40	137
67.0	55.0	36	39.0	122	26.0	BD	57	06	12	0331	137	430	3.19	50.0	20	34
67.0	60.0	36	29.1	122	47.6	BD	57	06	12	0606	141	402	3.50	50.0	8	53
67.0	70.0	36	11.3	123	32.5	BD	57	06	12	1056	133	422	3.14	100.0	5	95
67.0	80.0	35	49.0	124	14.0	BD	57	06	12	1541	138	433	3.19	100.0	7	54
67.0	90.0	35	32.0	124	57.2	BD	57	06	12	2031	135	427	3.16	100.0	24	17
70.0	52.0	36	08.5	121	49.8	BD	57	06	11	1911	138	372	3.71	25.0	1	4
70.0	55.0	36	02.7	122	02.0	BD	57	06	11	1651	150	370	4.05	12.5	0	3
70.0	60.0	35	53.0	122	23.0	BD	57	06	11	1406	135	432	3.13	50.0	12	58
70.0	70.0	35	33.0	123	06.0	BD	57	06	11	0901	134	450	2.98	25.0	7	33
70.0	80.0	35	13.0	123	48.0	BD	57	06	11	0126	142	444	3.19	25.0	5	25
70.0	90.0	34	53.0	124	30.0	BD	57	06	10	1936	130	471	2.75	50.0	27	48
73.0	50.0	35	37.0	121	16.6	BD	57	06	09	1752	95	269	3.55	50.0	5	13
73.0	55.0	35	27.7	121	37.3	BD	57	06	09	2001	142	366	3.86	25.0	20	135
73.0	60.0	35	18.0	121	58.4	BD	57	06	09	2231	136	452	3.02	25.0	16	121
73.0	70.0	34	59.3	122	41.0	BD	57	06	10	0316	137	442	3.10	100.0	144	163
73.0	80.0	34	42.2	123	24.7	BD	57	06	10	0816	136	442	3.08	100.0	270	109
73.0	90.0	34	18.2	124	04.0	BD	57	06	10	1331	145	421	3.44	100.0	13	42
77.0	50.0	35	04.0	120	52.0	BD	57	06	08	2317	108	352	3.06	50.0	12	7
77.0	55.0	34	54.5	121	13.0	BD	57	06	08	1951	135	452	2.99	100.0	106	85
77.0	60.0	34	44.0	121	34.0	BD	57	06	08	1631	141	439	3.20	50.0	23	16
77.0	70.0	34	24.2	122	16.0	BD	57	06	08	1116	137	476	2.88	25.0	9	5
77.0	80.0	34	04.2	122	57.0	BD	57	06	08	0531	137	482	2.83	100.0	3	16
77.0	90.0	33	44.0	123	38.5	BD	57	06	07	2356	143	458	3.11	100.0	34	138
80.0	51.0	34	26.5	120	32.3	OR	57	06	06	0658	76	240	3.18	25.0	4	5
80.0	55.0	34	19.0	120	49.0	OR	57	06	06	0351	136	396	3.44	25.0	0	8
80.0	60.0	34	10.5	121	08.5	OR	57	06	06	0021	129	466	2.76	50.0	27	78
80.0	70.0	33	49.0	121	51.0	BD	57	06	07	0656	148	449	3.29	25.0	28	6
80.0	80.0	33	29.0	122	32.0	BD	57	06	07	1226	143	449	3.18	50.0	63	53
80.0	90.0	33	09.0	123	13.0	BD	57	06	07	1816	143	473	3.02	100.0	113	749
82.0	47.0	34	15.0	119	58.0	OR	57	06	06	1116	140	427	3.28	50.0	1	4
83.0	40.0	34	14.5	119	22.0	OR	57	06	06	1510	19	104	1.80	100.0	295	259
83.0	43.0	34	05.5	119	29.5	OR	57	06	06	1731	107	407	2.62	100.0	101	373

TABLE 1. (cont.)

CalCOFI Cruise 5706

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
83.0	51.0	33	51.8	120	06.8	OR	57	06	07	0753	84	236	3.55	100.0	161	351
83.0	55.0	33	44.0	120	24.3	OR	57	06	07	1046	139	411	3.37	100.0	46	65
83.0	60.0	33	34.5	120	44.0	OR	57	06	07	1406	135	393	3.43	100.0	67	63
83.0	65.0	33	24.2	121	05.0	BD	57	06	07	0026	143	452	3.15	100.0	24	30
83.0	70.0	33	14.5	121	26.0	BD	57	06	06	2041	139	462	3.00	100.0	89	65
83.0	75.0	33	04.5	121	46.5	BD	57	06	06	1701	136	522	2.60	25.0	12	13
83.0	80.0	32	54.5	122	07.5	BD	57	06	06	1401	146	451	3.23	50.0	28	11
83.0	85.0	32	44.7	122	27.2	BD	57	06	06	1011	140	477	2.93	100.0	57	263
83.0	90.0	32	34.5	122	48.0	BD	57	06	06	0711	136	459	2.95	100.0	17	10
87.0	35.0	33	47.8	118	41.8	OR	57	06	08	1101	140	414	3.38	25.0	103	83
87.0	40.0	33	40.5	118	59.0	OR	57	06	08	0751	141	349	4.04	50.0	36	8
87.0	45.0	33	30.0	119	19.0	OR	57	06	08	0521	143	351	4.08	100.0	42	4
87.0	50.0	33	20.0	119	40.0	OR	57	06	08	0203	62	215	2.89	50.0	85	2
87.0	55.0	33	11.0	120	01.0	OR	57	06	07	2206	129	456	2.84	50.0	113	7
87.0	60.0	33	00.0	120	22.0	OR	57	06	07	1901	136	363	3.75	50.0	135	51
87.0	65.0	32	51.4	120	43.0	BD	57	06	05	1126	136	490	2.77	50.0	30	443
87.0	70.0	32	39.5	121	02.0	BD	57	06	05	1431	142	439	3.24	25.0	20	94
87.0	75.0	32	29.7	121	22.3	BD	57	06	05	1716	141	480	2.95	100.0	20	265
87.0	80.0	32	19.5	121	43.0	BD	57	06	05	2016	141	449	3.13	100.0	10	42
87.0	85.0	32	10.0	122	05.7	BD	57	06	05	2311	138	516	2.68	100.0	6	29
87.0	90.0	31	59.0	122	29.0	BD	57	06	06	0206	141	470	3.01	100.0	39	29
90.0	28.0	33	28.3	117	46.3	OR	57	06	08	1641	135	341	3.97	50.0	236	110
90.0	30.0	33	24.0	117	55.3	OR	57	06	08	1756	132	335	3.94	50.0	145	66
90.0	37.0	33	10.5	118	23.5	OR	57	06	08	2126	140	439	3.19	25.0	167	56
90.0	45.0	32	55.3	118	56.0	OR	57	06	09	0156	141	394	3.58	50.0	89	32
90.0	50.0	32	45.5	119	17.0	OR	57	06	09	0446	136	379	3.59	100.0	10	2
90.0	55.0	32	34.8	119	37.0	OR	57	06	09	0721	136	389	3.50	50.0	16	4
90.0	60.0	32	24.8	119	58.0	OR	57	06	09	1001	139	443	3.15	50.0	60	19
90.0	65.0	32	15.0	120	17.5	OR	57	06	09	1251	138	442	3.11	100.0	43	430
90.0	70.0	32	05.0	120	38.0	OR	57	06	09	1531	139	443	3.14	100.0	53	105
90.0	75.0	31	55.0	120	58.0	OR	57	06	09	1811	136	362	3.75	25.0	5	150
90.0	80.0	31	45.0	121	18.0	OR	57	06	09	2041	141	431	3.27	100.0	14	46
90.0	85.0	31	35.0	121	38.5	OR	57	06	09	2331	140	427	3.27	100.0	6	4
90.0	90.0	31	25.0	121	59.0	OR	57	06	10	0211	141	422	3.35	100.0	31	8
93.0	27.0	32	56.0	117	18.8	OR	57	06	11	1738	64	172	3.70	100.0	47	189
93.0	30.0	32	45.5	117	30.5	OR	57	06	11	1526	138	483	2.86	100.0	15	9
93.0	35.0	32	34.2	117	48.3	OR	57	06	11	1316	141	457	3.08	100.0	14	18
93.0	40.0	32	23.0	118	05.0	OR	57	06	11	1021	138	448	3.09	100.0	16	9
93.0	45.0	32	10.5	118	22.0	OR	57	06	11	0746	143	456	3.14	100.0	10	8
93.0	50.0	32	00.0	118	46.0	OR	57	06	11	0506	141	416	3.39	100.0	24	24
93.0	55.0	31	52.0	119	07.5	OR	57	06	11	0211	143	435	3.28	100.0	177	1142
93.0	60.0	31	43.0	119	28.0	OR	57	06	10	2311	141	380	3.70	50.0	25	166
93.0	65.0	31	34.0	119	50.0	OR	57	06	10	2026	134	365	3.67	100.0	177	215
93.0	70.0	31	26.0	120	11.0	OR	57	06	10	1741	143	360	3.97	100.0	10	455
93.0	75.0	31	17.0	120	32.5	OR	57	06	10	1456	135	387	3.48	50.0	10	193

TABLE 1. (cont.)

CalCOFI Cruise 5706

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	80.0	31	08.0	120	53.0	OR	57	06	10	1221	139	394	3.52	50.0	21	435
93.0	85.0	31	00.0	121	14.0	OR	57	06	10	0941	141	395	3.56	50.0	7	286
93.0	90.0	30	50.0	121	35.0	OR	57	06	10	0711	137	357	3.84	100.0	6	3
97.0	30.0	32	15.5	117	09.0	OR	57	06	12	0729	48	148	3.26	100.0	9	0
97.0	32.0	32	11.5	117	16.5	OR	57	06	12	0816	141	470	3.01	100.0	4	3
97.0	40.0	31	55.0	117	49.5	OR	57	06	12	1216	142	473	3.01	100.0	9	14
97.0	45.0	31	45.0	118	10.0	OR	57	06	12	1621	142	353	4.03	100.0	4	5
97.0	50.0	31	34.0	118	29.0	OR	57	06	12	1841	135	357	3.77	100.0	14	81
97.0	55.0	31	21.0	118	48.0	OR	57	06	12	2251	141	430	3.29	50.0	34	40
97.0	60.0	31	10.5	119	07.0	OR	57	06	13	0136	139	455	3.05	100.0	174	493
97.0	65.0	30	59.0	119	25.0	OR	57	06	13	0431	137	388	3.54	100.0	82	46
97.0	70.0	30	47.0	119	44.0	OR	57	06	13	0751	140	434	3.22	100.0	38	8
97.0	75.0	30	35.5	120	03.5	OR	57	06	13	1126	137	440	3.11	100.0	75	28
97.0	80.0	30	25.0	120	23.0	OR	57	06	13	1446	133	477	2.79	100.0	10	121
97.0	85.0	30	15.0	120	43.0	OR	57	06	13	1751	128	423	3.03	100.0	5	152
97.0	90.0	30	05.0	121	03.0	OR	57	06	13	2046	136	448	3.04	100.0	15	65
100.0	29.0	31	42.0	116	43.3	OR	57	06	15	1417	100	339	2.97	25.0	2	1
100.0	33.0	31	34.5	116	58.5	OR	57	06	15	1156	142	476	2.99	100.0	25	1
100.0	40.0	31	11.0	117	44.0	OR	57	06	15	0601	138	354	3.90	100.0	5	35
100.0	45.0	31	02.0	118	03.0	OR	57	06	15	0306	136	448	3.04	100.0	26	92
100.0	50.0	30	54.0	118	20.0	OR	57	06	15	0001	135	452	2.99	100.0	57	17
100.0	55.0	30	45.0	118	38.0	OR	57	06	14	2056	137	415	3.31	100.0	50	24
100.0	60.0	30	36.0	118	57.0	OR	57	06	14	1806	129	414	3.10	100.0	33	102
100.0	65.0	30	27.0	119	15.0	OR	57	06	14	1511	132	488	2.70	100.0	77	17
100.0	70.0	30	18.0	119	34.0	OR	57	06	14	1206	134	478	2.80	100.0	28	21
100.0	75.0	30	09.0	119	52.0	OR	57	06	14	0911	135	443	3.04	100.0	38	65
100.0	80.0	30	00.0	120	10.0	OR	57	06	14	0616	135	383	3.52	100.0	2	68
100.0	85.0	29	50.0	120	28.0	OR	57	06	14	0311	139	448	3.09	100.0	34	71
100.0	90.0	29	42.0	120	46.0	OR	57	06	14	0011	129	459	2.81	100.0	68	53
103.0	30.0	31	05.0	116	25.0	OR	57	06	15	2238	68	246	2.77	100.0	36	98
103.0	35.0	30	55.0	116	45.0	OR	57	06	16	0116	141	480	2.93	100.0	111	10
103.0	40.0	30	45.0	117	06.0	OR	57	06	16	0401	139	362	3.82	100.0	147	7
103.0	45.0	30	37.0	117	25.0	OR	57	06	16	0646	142	367	3.87	100.0	48	25
103.0	50.0	30	26.0	117	43.0	OR	57	06	16	0936	139	416	3.35	100.0	21	21
103.0	55.0	30	15.0	118	04.0	OR	57	06	16	1241	139	425	3.27	100.0	15	44
103.0	60.0	30	05.0	118	24.0	OR	57	06	16	1531	140	417	3.36	100.0	161	80
103.0	65.0	29	55.0	118	43.0	OR	57	06	16	1821	131	355	3.69	100.0	167	5
103.0	70.0	29	44.0	119	03.0	OR	57	06	16	2111	142	431	3.29	100.0	146	74
103.0	75.0	29	32.0	119	25.0	OR	57	06	17	0011	145	424	3.42	100.0	253	252
103.0	80.0	29	20.0	119	47.0	OR	57	06	17	0306	140	427	3.28	100.0	168	384
103.0	85.0	29	12.0	120	02.0	OR	57	06	17	0516	134	404	3.31	100.0	82	97
103.0	90.0	29	02.5	120	19.5	OR	57	06	17	0756	136	453	3.00	100.0	173	219
107.0	35.0	30	25.3	116	32.0	OR	57	06	18	1846	138	405	3.40	100.0	32	13
107.0	40.0	30	19.5	116	42.8	OR	57	06	18	1631	127	371	3.42	100.0	35	4
107.0	45.0	30	08.5	117	05.0	OR	57	06	18	1326	139	414	3.35	100.0	7	36

TABLE 1. (cont.)

CalCOFI Cruise 5706

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	50.0	30 01.0	117 20.0	OR	57 06 18	1036	139	474	2.93	100.0	27	143
107.0	55.0	29 46.5	117 45.0	OR	57 06 18	0746	139	444	3.13	100.0	18	8
107.0	60.0	29 33.0	118 11.0	OR	57 06 18	0426	135	398	3.39	100.0	51	14
107.0	65.0	29 24.0	118 29.0	OR	57 06 18	0126	139	424	3.27	100.0	40	237
107.0	70.0	29 14.0	118 46.0	OR	57 06 17	2241	140	435	3.21	100.0	113	101
107.0	75.0	29 05.0	119 02.0	OR	57 06 17	1956	139	452	3.08	100.0	94	53
107.0	80.0	28 56.0	119 21.0	OR	57 06 17	1711	134	376	3.56	100.0	74	827
107.0	85.0	28 46.0	119 37.0	OR	57 06 17	1426	140	438	3.19	25.0	13	360
107.0	90.0	28 37.0	119 55.0	OR	57 06 17	1151	142	444	3.20	50.0	89	773
110.0	33.0	29 52.0	116 04.5	HO	57 06 20	2152	115	360	3.19	100.0	10	34
110.0	35.0	29 46.7	116 05.0	HO	57 06 20	2021	141	454	3.11	100.0	15	9
110.0	40.0	29 37.5	116 20.0	HO	57 06 20	1756	141	459	3.07	100.0	5	28
110.0	45.0	29 26.5	116 40.0	HO	57 06 20	1531	142	467	3.03	100.0	31	4
110.0	50.0	29 16.0	117 00.0	HO	57 06 20	1306	138	467	2.97	100.0	14	7
110.0	55.0	29 06.0	117 19.0	HO	57 06 20	1041	132	507	2.61	25.0	5	26
110.0	60.0	28 58.0	117 36.0	HO	57 06 20	0841	140	470	2.98	100.0	51	95
110.0	65.0	28 47.5	117 56.0	HO	57 06 20	0616	127	503	2.53	100.0	42	100
110.0	70.0	28 37.5	118 20.0	HO	57 06 20	0351	148	421	3.50	100.0	70	131
110.0	75.0	28 25.0	118 36.5	HO	57 06 20	0121	146	450	3.24	100.0	137	271
110.0	80.0	28 13.5	118 58.0	HO	57 06 19	2256	136	460	2.95	50.0	64	913
110.0	85.0	28 02.0	119 20.0	HO	57 06 19	2031	118	550	2.14	50.0	15	541
110.0	90.0	27 54.0	119 34.0	HO	57 06 19	1841	121	508	2.38	100.0	4	938
113.0	30.0	29 25.0	115 16.0	HO	57 06 18	1219	23	127	1.79	100.0	11	102
113.0	35.0	29 13.0	115 40.0	HO	57 06 18	1446	130	482	2.69	100.0	8	133
113.0	40.0	29 03.0	115 59.5	HO	57 06 18	1706	140	457	3.07	100.0	10	39
113.0	45.0	28 53.0	116 19.5	HO	57 06 18	1921	142	440	3.22	100.0	34	15
113.0	50.0	28 43.5	116 39.0	HO	57 06 18	2146	127	517	2.46	50.0	21	9
113.0	55.0	28 32.5	116 58.5	HO	57 06 19	0006	139	484	2.88	100.0	45	71
113.0	60.0	28 21.0	117 19.0	HO	57 06 19	0226	138	479	2.88	100.0	7	142
113.0	65.0	28 10.5	117 38.5	HO	57 06 19	0436	125	522	2.39	100.0	6	172
113.0	70.0	28 00.0	117 59.0	HO	57 06 19	0656	129	514	2.52	100.0	36	128
113.0	75.0	27 51.5	118 14.0	HO	57 06 19	0856	128	504	2.54	100.0	57	896
113.0	80.0	27 44.5	118 34.0	HO	57 06 19	1101	123	487	2.52	50.0	29	823
113.0	85.0	27 36.0	118 51.0	HO	57 06 19	1306	141	481	2.93	100.0	12	633
113.0	90.0	27 26.5	119 12.0	HO	57 06 19	1516	140	462	3.03	100.0	34	260
117.0	26.0	28 57.5	114 47.0	HO	57 06 18	0808	49	323	1.50	25.0	105	65
117.0	30.0	28 51.0	115 01.0	HO	57 06 18	0613	75	221	3.39	50.0	59	526
117.0	35.0	28 39.0	115 18.0	HO	57 06 18	0341	127	519	2.45	100.0	84	175
117.0	40.0	28 28.0	115 38.5	HO	57 06 17	2246	86	633	1.36	100.0	197	74
117.0	45.0	28 15.5	116 01.0	HO	57 06 17	1946	80	627	1.28	100.0	73	71
117.0	50.0	28 06.0	116 19.0	HO	57 06 17	1721	144	459	3.13	100.0	14	20
117.0	55.0	27 57.0	116 35.0	HO	57 06 17	1451	129	499	2.58	100.0	8	30
117.0	60.0	27 45.0	116 52.5	HO	57 06 17	1221	130	529	2.46	100.0	7	20
117.0	65.0	27 36.0	117 14.0	HO	57 06 17	0951	124	522	2.38	100.0	10	14
117.0	70.0	27 27.5	117 32.5	HO	57 06 17	0731	126	511	2.46	100.0	4	41

TABLE 1. (cont.)

CalCOFI Cruise 5706

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
117.0	75.0	27	18.0	117	52.0	HO	57	06	17	0506	140	496	2.82	50.0	162	89
117.0	80.0	27	08.0	118	11.5	HO	57	06	17	0231	153	441	3.46	100.0	146	119
117.0	85.0	26	58.0	118	30.0	HO	57	06	16	2356	144	432	3.33	100.0	21	10
117.0	90.0	26	47.0	118	49.5	HO	57	06	16	1906	146	454	3.21	100.0	38	46
118.0	39.0	28	18.5	115	24.0	HO	57	06	18	0051	126	521	2.41	50.0	8	11
119.0	33.0	28	21.0	114	53.0	HO	57	06	15	0738	83	302	2.74	100.0	260	554
120.0	25.0	28	23.5	114	16.0	HO	57	06	15	0408	54	215	2.52	100.0	432	1036
120.0	30.0	28	09.5	114	34.0	HO	57	06	15	0148	76	230	3.30	100.0	225	577
120.0	35.0	28	01.2	114	54.0	HO	57	06	14	2328	51	300	1.71	50.0	1144	11
120.0	40.0	27	56.5	115	14.0	HO	57	06	15	1444	27	152	1.79	100.0	16	289
120.0	45.0	27	43.0	115	33.0	HO	57	06	15	1706	146	454	3.21	100.0	48	269
120.0	50.0	27	33.0	115	53.0	HO	57	06	15	1936	130	513	2.53	100.0	5	129
120.0	55.0	27	24.0	116	13.0	HO	57	06	15	2201	121	534	2.26	100.0	1	50
120.0	60.0	27	14.0	116	34.0	HO	57	06	16	0026	150	408	3.68	100.0	4	230
120.0	65.0	27	03.5	116	55.5	HO	57	06	16	0256	145	422	3.43	100.0	9	333
120.0	70.0	26	54.0	117	16.0	HO	57	06	16	0526	136	474	2.87	100.0	20	409
120.0	75.0	26	42.0	117	32.0	HO	57	06	16	0731	142	407	3.49	100.0	22	497
120.0	80.0	26	32.5	117	48.5	HO	57	06	16	0956	122	531	2.31	100.0	101	45
120.0	85.0	26	23.0	118	07.0	HO	57	06	16	1211	137	485	2.82	100.0	185	158
120.0	90.0	26	13.0	118	27.0	HO	57	06	16	1431	138	454	3.05	100.0	125	107
123.0	37.0	27	22.5	114	39.5	HO	57	06	14	1743	57	264	2.16	100.0	14	119
123.0	42.0	27	14.5	114	57.0	HO	57	06	14	1511	144	467	3.08	100.0	42	50
123.0	50.0	27	01.0	115	29.0	HO	57	06	14	1151	147	463	3.17	100.0	15	49
123.0	55.0	26	49.5	115	46.0	HO	57	06	14	0941	139	508	2.73	100.0	48	122
123.0	60.0	26	39.5	116	03.0	HO	57	06	14	0726	139	465	2.98	100.0	62	39
127.0	34.0	26	55.3	114	06.0	HO	57	06	13	1525	58	267	2.18	100.0	1	83
127.0	40.0	26	43.5	114	29.5	HO	57	06	13	1756	138	499	2.77	50.0	6	14
127.0	45.0	26	33.5	114	48.7	HO	57	06	13	2021	139	503	2.77	100.0	59	58
127.0	50.0	26	23.5	115	08.0	HO	57	06	13	2226	143	497	2.88	100.0	21	46
127.0	55.0	26	14.5	115	24.0	HO	57	06	14	0051	132	570	2.32	100.0	26	15
127.0	60.0	26	05.5	115	42.0	HO	57	06	14	0311	143	512	2.78	100.0	195	6
130.0	30.0	26	33.5	113	27.0	HO	57	06	13	1119	140	154	2.59	100.0	2	348
130.0	35.0	26	24.0	113	41.0	HO	57	06	13	0923	69	223	3.10	100.0	5	124
130.0	40.0	26	11.0	114	02.0	HO	57	06	13	0651	142	454	3.13	100.0	29	32
130.0	45.0	25	59.0	114	25.0	HO	57	06	13	0421	141	472	2.98	100.0	4	7
130.0	50.0	25	49.0	114	46.0	HO	57	06	13	0146	150	451	3.33	100.0	7	18
130.0	55.0	25	39.0	115	35.0	HO	57	06	12	2316	142	479	2.97	100.0	14	2
130.0	60.0	25	29.0	115	24.0	HO	57	06	12	1821	143	470	3.04	100.0	3	23
133.0	25.0	26	00.0	112	45.5	HO	57	06	12	0053	70	219	3.20	25.0	127	9
133.0	30.0	25	49.5	113	03.0	HO	57	06	12	0316	150	440	3.41	25.0	5	76
133.0	35.0	25	38.0	113	23.0	HO	57	06	12	0531	127	534	2.38	25.0	10	50
133.0	40.0	25	33.5	113	43.5	HO	57	06	12	0751	131	493	2.66	100.0	27	49
133.0	45.0	25	22.5	114	03.0	HO	57	06	12	1016	115	549	2.10	100.0	1	222
133.0	50.0	25	13.0	114	24.0	HO	57	06	12	1251	149	442	3.36	100.0	2	169
137.0	23.0	25	37.0	112	22.0	HO	57	06	11	2058	60	228	2.62	6.2	3	0

TABLE 1. (cont.)

CalCOFI Cruise 5706

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	30.0	25 22.0	112 45.0	HO	57 06 11	1736	136	518	2.63	25.0	1	16
137.0	35.0	25 11.0	113 04.0	HO	57 06 11	1501	128	520	2.45	100.0	2	9
137.0	40.0	24 52.5	113 23.0	HO	57 06 11	1121	132	521	2.53	100.0	5	17
137.0	45.0	24 41.0	113 46.0	HO	57 06 11	0826	118	567	2.09	100.0	40	39
137.0	50.0	24 32.5	114 04.5	HO	57 06 11	0541	147	454	3.25	100.0	12	13
140.0	30.0	24 45.5	112 24.0	HO	57 06 10	1433	86	396	2.17	25.0	0	57
140.0	35.0	24 36.0	112 43.0	HO	57 06 10	1701	146	436	3.34	100.0	0	9
140.0	40.0	24 25.0	113 02.0	HO	57 06 10	1926	139	500	2.78	100.0	97	13
140.0	50.0	24 04.0	113 43.0	HO	57 06 11	0036	174	455	3.83	100.0	153	15
143.0	30.0	24 04.5	112 03.5	HO	57 06 09	1151	149	346	4.31	50.0	0	19
143.0	35.0	23 56.0	112 19.5	HO	57 06 09	0931	126	323	3.89	50.0	0	150
143.0	40.0	23 46.5	112 38.0	HO	57 06 09	0636	146	388	3.77	100.0	9	184
143.0	50.0	23 28.5	113 15.0	HO	57 06 09	0136	149	424	3.52	100.0	186	151
148.0	20.0	23 40.5	110 56.0	HO	57 06 08	0146	132	455	2.91	100.0	74	20
148.0	25.0	23 31.0	111 14.5	HO	57 06 08	0406	149	409	3.65	100.0	53	256
148.0	30.0	23 20.0	111 34.5	HO	57 06 08	0701	147	423	3.47	50.0	59	108
148.0	40.0	22 58.0	112 14.0	HO	57 06 08	1206	136	448	3.03	50.0	23	74
148.0	50.0	22 40.5	112 53.0	HO	57 06 08	1651	147	445	3.32	100.0	8	710
153.0	16.0	22 55.0	110 07.0	ST	57 06 07	0501	134	448	2.98	50.0	72	94
153.0	20.0	22 48.0	110 22.0	ST	57 06 07	0736	133	446	2.98	100.0	10	30
153.0	25.0	22 37.0	110 40.0	ST	57 06 07	1121	114	463	2.46	50.0	27	210
153.0	30.0	22 27.0	110 59.0	ST	57 06 07	1341	138	406	3.40	100.0	16	37
153.0	40.0	22 04.0	111 35.0	ST	57 06 07	1821	138	415	3.33	100.0	15	67
157.0	15.0	22 23.0	109 41.0	ST	57 06 08	1321	136	410	3.32	50.0	20	71
157.0	20.0	22 04.0	109 58.0	ST	57 06 08	0951	124	447	2.78	50.0	59	358
157.0	25.0	21 55.0	110 16.0	ST	57 06 08	0731	124	446	2.77	50.0	123	66
157.0	30.0	21 47.0	110 33.0	ST	57 06 08	0401	133	458	2.90	50.0	105	19
157.0	40.0	21 28.0	111 12.0	ST	57 06 07	2306	123	480	2.57	100.0	114	30

TABLE 1. (cont.)

CalCOFI Cruise 5707

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 47.3	123 15.0	ST	57 07 19	1907	112	330	3.38	50.0	12	35
60.0	60.0	37 37.0	123 37.1	ST	57 07 19	2151	143	439	3.25	50.0	11	8
60.0	70.0	37 16.6	124 16.5	ST	57 07 20	0234	161	356	4.51	25.0	4	2
63.0	52.0	37 18.5	122 36.5	ST	57 07 19	1224	60	229	2.64	25.0	4	58
63.0	55.0	37 12.2	122 49.5	ST	57 07 19	1106	126	498	2.53	25.0	15	42
63.0	60.0	37 02.0	123 12.0	ST	57 07 19	0811	145	406	3.57	25.0	6	6
63.0	70.0	36 42.5	123 55.0	ST	57 07 19	0311	151	401	3.76	100.0	30	23
63.0	80.0	36 24.0	124 39.0	ST	57 07 23	0856	121	534	2.26	50.0	15	4
67.0	55.0	36 39.6	122 28.7	ST	57 07 18	1011	139	437	3.18	50.0	29	134
67.0	60.0	36 28.0	122 47.0	ST	57 07 18	1311	139	415	3.34	100.0	11	63
67.0	70.0	36 08.0	123 29.6	ST	57 07 18	0640	157	394	3.99	100.0	14	23
67.0	80.0	35 52.0	124 14.5	ST	57 07 23	1311	144	448	3.23	100.0	5	9
70.0	52.0	36 08.5	121 49.8	ST	57 07 17	0714	140	449	3.12	50.0	17	78
70.0	55.0	36 02.5	122 01.0	ST	57 07 17	0541	145	424	3.43	25.0	1	39
70.0	60.0	35 52.6	122 22.4	ST	57 07 17	0141	147	415	3.54	50.0	5	27
70.0	70.0	35 34.5	122 56.0	ST	57 07 16	2031	114	543	2.10	50.0	7	265
73.0	50.0	35 36.6	121 17.7	ST	57 07 16	0048	63	264	2.38	50.0	6	0
73.0	55.0	35 29.0	121 36.2	ST	57 07 16	0346	147	430	3.42	25.0	7	9
73.0	60.0	35 20.0	121 57.5	ST	57 07 16	0726	144	452	3.18	50.0	2	10
73.0	70.0	35 03.2	122 38.0	ST	57 07 16	1251	156	418	3.72	25.0	2	167
77.0	50.0	35 03.5	120 51.6	ST	57 07 15	1904	95	289	3.30	100.0	4	17
77.0	55.0	34 55.0	121 13.0	ST	57 07 15	1611	141	429	3.28	100.0	3	9
77.0	60.0	34 47.0	121 32.6	ST	57 07 15	1256	143	400	3.58	100.0	17	5
77.0	70.0	34 24.5	122 16.0	ST	57 07 15	0726	150	397	3.77	100.0	12	120
77.0	80.0	34 04.5	122 56.8	ST	57 07 15	0133	150	413	3.65	100.0	27	26
77.0	90.0	33 14.4	123 40.6	ST	57 07 14	2011	141	466	3.04	100.0	8	14
80.0	51.0	34 26.5	120 31.6	PT	57 07 09	1513	59	226	2.61	100.0	33	155
80.0	55.0	34 19.0	120 48.3	PT	57 07 09	1921	140	495	2.83	50.0	118	11
80.0	60.0	34 09.0	121 09.1	PT	57 07 09	2326	155	481	3.22	50.0	46	46
80.0	70.0	33 47.0	121 49.8	ST	57 07 14	0443	151	404	3.73	25.0	3	13
80.0	80.0	33 26.0	122 30.2	ST	57 07 14	1016	129	499	2.59	50.0	7	17
80.0	90.0	33 09.0	123 13.0	ST	57 07 14	1456	134	492	2.72	100.0	17	19
82.0	47.0	34 15.0	119 58.0	PT	57 07 10	1916	138	524	2.64	100.0	41	903
83.0	40.0	34 14.0	119 22.0	PT	57 07 11	0449	14	123	1.16	100.0	233	783
83.0	43.0	34 08.0	119 34.0	PT	57 07 11	0201	75	98	1.07	50.0	399	113
83.0	51.0	33 52.1	120 07.6	PT	57 07 10	1448	80	332	2.43	100.0	21	387
83.0	55.0	33 47.0	120 23.0	PT	57 07 10	1216	141	494	2.85	100.0	26	12
83.0	60.0	33 35.0	120 45.8	PT	57 07 10	0731	140	524	2.68	50.0	10	13
83.0	65.0	33 24.7	121 05.2	ST	57 07 13	2254	144	439	3.28	50.0	1	17
83.0	70.0	33 10.6	121 28.5	ST	57 07 13	1956	140	483	2.89	100.0	11	72
83.0	75.0	33 03.0	121 45.0	ST	57 07 13	1651	149	418	3.55	100.0	3	5
83.0	80.0	32 55.0	122 04.5	ST	57 07 13	1413	159	402	3.94	100.0	1	7
83.0	85.0	32 45.0	122 25.0	ST	57 07 13	1111	137	491	2.78	100.0	4	12
87.0	36.0	33 49.8	118 37.3	PT	57 07 11	1046	134	521	2.58	100.0	13	48
87.0	45.0	33 30.2	119 19.2	PT	57 07 11	1945	136	504	2.69	50.0	18	0

TABLE 1. (cont.)

CalCOFI Cruise 5707

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
87.0	50.0	33	19.8	119	39.5	PT	57	07	12	0233	64	268	2.37	100.0	148	232
87.0	55.0	33	14.5	120	02.0	PT	57	07	12	0641	135	472	2.86	100.0	34	39
87.0	60.0	33	01.8	120	28.5	PT	57	07	12	1056	140	515	2.72	100.0	11	13
87.0	65.0	32	50.8	120	43.2	ST	57	07	09	1221	143	422	3.40	100.0	8	42
87.0	70.0	32	42.5	121	03.6	ST	57	07	09	1546	165	352	4.69	25.0	4	5
87.0	75.0	32	33.5	121	23.1	ST	57	07	09	1856	154	402	3.82	100.0	5	1
87.0	85.0	32	10.2	122	04.0	ST	57	07	10	0131	144	411	3.51	100.0	13	5
87.0	90.0	31	57.0	122	24.2	ST	57	07	10	0501	148	424	3.49	25.0	9	7
90.0	28.0	33	27.5	117	46.3	PT	57	07	16	0931	140	670	2.00	100.0	20	20
90.0	30.0	33	24.1	117	54.9	PT	57	07	16	0641	136	520	2.62	100.0	11	55
90.0	37.0	33	09.0	118	27.9	PT	57	07	15	0541	132	543	2.43	100.0	106	22
90.0	45.0	32	54.8	118	56.2	PT	57	07	14	2251	129	548	2.35	50.0	112	14
90.0	50.0	32	44.6	119	16.8	PT	57	07	14	1851	121	580	2.09	25.0	10	16
90.0	55.0	32	34.5	119	37.2	PT	57	07	14	1341	83	703	1.18	50.0	74	118
90.0	60.0	32	36.0	119	55.7	PT	57	07	14	0941	124	529	2.34	100.0	32	268
90.0	65.0	32	26.1	120	13.0	PT	57	07	14	0636	131	502	2.61	100.0	5	47
90.0	70.0	32	12.5	120	34.0	PT	57	07	13	2331	140	510	2.74	50.0	6	5
90.0	75.0	31	57.5	120	59.0	PT	57	07	13	1916	131	543	2.41	50.0	4	7
90.0	80.0	31	44.0	121	23.6	PT	57	07	13	1456	137	532	2.57	100.0	16	52
90.0	85.0	31	30.3	121	45.6	PT	57	07	13	1041	150	472	3.17	100.0	4	3
90.0	90.0	31	22.6	122	02.3	PT	57	07	13	0511	140	531	2.64	50.0	37	41
93.0	27.0	33	54.3	117	18.6	PT	57	07	16	1501	130	613	2.12	100.0	1	57
93.0	30.0	32	49.0	117	30.7	PT	57	07	18	1421	140	519	2.70	100.0	96	9
93.0	35.0	32	38.2	117	52.2	PT	57	07	18	1836	135	519	2.61	100.0	11	5
93.0	40.0	32	30.0	118	12.9	PT	57	07	18	2151	145	496	2.92	100.0	15	29
93.0	45.0	32	20.5	118	36.0	PT	57	07	19	0236	125	566	2.22	100.0	29	18
93.0	50.0	32	11.1	118	59.3	PT	57	07	19	0611	134	475	2.82	100.0	24	17
93.0	55.0	32	01.8	119	18.8	PT	57	07	19	1016	144	481	3.00	100.0	39	31
93.0	60.0	31	51.2	119	39.9	PT	57	07	19	1326	127	544	2.33	100.0	15	26
93.0	65.0	31	40.0	119	59.5	PT	57	07	19	1746	126	565	2.23	100.0	27	64
93.0	70.0	31	29.0	120	20.5	PT	57	07	19	2106	159	415	3.84	100.0	54	15
93.0	75.0	31	18.1	120	40.8	PT	57	07	20	0146	149	417	3.58	100.0	93	274
93.0	80.0	31	07.4	121	00.5	PT	57	07	20	0526	137	531	2.59	100.0	105	693
93.0	85.0	30	56.0	121	21.3	PT	57	07	20	0921	141	495	2.85	100.0	4	141
93.0	90.0	30	49.3	121	35.0	PT	57	07	20	1211	134	544	2.46	100.0	2	86
97.0	30.0	32	15.0	117	08.1	PT	57	07	22	1444	38	191	1.99	100.0	32	415
97.0	32.0	32	10.2	117	15.3	PT	57	07	22	1251	117	537	2.18	100.0	10	9
97.0	40.0	31	56.4	117	45.0	PT	57	07	22	0716	125	546	2.29	100.0	211	23
97.0	45.0	31	47.8	118	02.7	PT	57	07	22	0416	137	500	2.73	100.0	5	1
97.0	50.0	31	36.7	118	24.0	PT	57	07	22	2321	139	523	2.66	100.0	18	3
97.0	55.0	31	26.5	118	44.0	PT	57	07	21	2016	138	483	2.86	100.0	31	7
97.0	60.0	31	15.5	119	03.9	PT	57	07	21	1611	130	534	2.43	100.0	33	21
97.0	65.0	31	05.0	119	24.2	PT	57	07	21	1256	140	542	2.58	100.0	7	18
97.0	70.0	30	54.0	119	43.0	PT	57	07	21	0901	147	498	2.95	100.0	89	158
97.0	75.0	30	44.8	120	05.2	PT	57	07	21	0541	140	493	2.85	100.0	83	120

TABLE 1. (cont.)

CalCOFI Cruise 5707

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
97.0	80.0	30	35.8	120	26.8	PT	57	07	21	0136	141	510	2.77	100.0	39	265
97.0	85.0	30	25.8	120	49.5	PT	57	07	20	2201	144	510	2.82	100.0	0	0
97.0	90.0	30	17.3	121	12.0	PT	57	07	20	1756	137	546	2.51	100.0	48	160
100.0	29.0	31	42.2	116	43.4	PT	57	07	24	1541	111	587	1.89	100.0	1	1
100.0	32.0	31	34.7	116	58.7	PT	57	07	24	1826	138	489	2.82	100.0	17	37
100.0	40.0	31	21.2	117	32.5	PT	57	07	25	0046	139	526	2.65	100.0	37	29
100.0	45.0	31	12.0	117	56.0	PT	57	07	25	0521	139	487	2.86	100.0	11	100
100.0	50.0	31	02.8	118	19.5	PT	57	07	25	0841	139	500	2.79	100.0	71	645
100.0	55.0	30	53.2	118	45.0	PT	57	07	25	1231	136	524	2.60	100.0	22	94
100.0	60.0	30	40.8	118	46.8	PT	57	07	25	1511	139	511	2.72	100.0	13	142
100.0	65.0	30	28.0	119	06.0	PT	57	07	25	1911	133	508	2.62	100.0	226	490
100.0	75.0	30	05.2	119	42.2	PT	57	07	26	0116	145	458	3.17	100.0	553	145
103.0	30.0	31	05.2	116	25.0	PT	57	07	27	1359	29	180	1.63	100.0	40	114
103.0	35.0	30	59.3	116	44.7	PT	57	07	27	1051	154	488	3.15	100.0	4	3
103.0	40.0	30	49.3	117	04.2	PT	57	07	27	0706	139	478	2.90	100.0	6	1
103.0	45.0	30	37.7	117	23.5	PT	57	07	27	0426	138	487	2.83	100.0	11	41
103.0	50.0	30	24.4	117	41.8	PT	57	07	27	0025	133	536	2.47	100.0	30	231
103.0	55.0	30	11.6	118	00.7	PT	57	07	26	2106	136	531	2.56	100.0	53	79
103.0	60.0	29	59.5	118	18.0	PT	57	07	26	1721	137	514	2.67	100.0	189	470
103.0	65.0	29	46.3	118	37.9	PT	57	07	26	1411	136	512	2.65	100.0	69	260
103.0	70.0	29	40.0	118	49.6	PT	57	07	26	1046	145	472	3.07	100.0	9	364
103.0	75.0	29	29.5	119	10.0	PT	57	07	26	0731	138	524	2.63	100.0	74	114
107.0	32.0	30	26.0	116	11.0	OR	57	07	30	0721	141	385	3.67	100.0	6	37
107.0	35.0	30	20.0	116	23.0	OR	57	07	30	0906	141	405	3.49	100.0	24	27
107.0	40.0	30	10.5	116	42.0	OR	57	07	30	1441	139	604	2.30	100.0	20	45
107.0	45.0	30	00.5	117	03.0	OR	57	07	30	1726	139	433	3.21	100.0	23	102
107.0	50.0	29	50.0	117	23.5	OR	57	07	30	2026	142	428	3.33	100.0	6	23
107.0	55.0	29	40.0	117	45.5	OR	57	07	31	0036	141	435	3.23	100.0	5	73
107.0	60.0	29	29.0	118	07.5	OR	57	07	31	0326	141	415	3.40	100.0	137	237
107.0	65.0	29	21.0	118	22.0	OR	57	07	31	0641	139	414	3.36	100.0	137	161
107.0	70.0	29	11.0	118	43.0	OR	57	07	31	0926	141	418	3.38	100.0	0	168
107.0	75.0	29	01.0	119	02.5	OR	57	07	31	1311	140	431	3.25	100.0	48	1401
107.0	80.0	28	51.5	119	22.5	OR	57	07	31	1611	141	408	3.47	100.0	147	431
107.0	85.0	28	38.0	119	42.0	OR	57	07	31	1941	142	408	3.47	25.0	57	30
107.0	90.0	28	30.0	120	00.0	OR	57	07	31	2221	140	412	3.41	100.0	185	275
110.0	33.0	29	50.0	115	52.0	OR	57	08	03	0618	85	252	3.39	100.0	204	466
110.0	35.0	29	49.0	116	00.0	OR	57	08	03	0306	135	457	2.96	100.0	45	21
110.0	40.0	29	36.0	116	19.5	OR	57	08	02	2341	137	459	2.98	100.0	36	84
110.0	45.0	29	26.0	116	39.0	OR	57	08	02	2046	140	433	3.24	100.0	103	107
110.0	50.0	29	16.0	116	59.0	OR	57	08	02	1721	140	425	3.29	100.0	51	53
110.0	55.0	29	06.5	117	18.5	OR	57	08	02	1426	142	429	3.30	100.0	43	70
110.0	60.0	28	57.0	117	38.0	OR	57	08	02	1111	141	449	3.15	100.0	33	167
110.0	65.0	28	46.5	117	58.0	OR	57	08	01	2141	142	328	4.33	100.0	261	185
110.0	70.0	28	38.5	118	20.5	OR	57	08	01	1811	142	414	3.42	100.0	12	132
110.0	75.0	28	26.0	118	38.0	OR	57	08	01	1516	141	382	3.70	100.0	35	270

TABLE 1. (cont.)

CalCOFI Cruise 5707

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	16.0	118	57.0	OR	57	08	01	1111	141	411	3.43	100.0	56	220
110.0	85.0	28	05.0	119	15.5	OR	57	08	01	0816	142	427	3.32	100.0	54	30
110.0	90.0	27	51.0	119	36.0	OR	57	08	01	0431	143	420	3.42	100.0	149	12
113.0	30.0	29	23.2	115	21.4	OR	57	07	23	2144	45	215	2.07	100.0	151	452
113.0	35.0	29	12.0	115	39.0	OR	57	07	23	1436	139	352	3.95	100.0	124	46
113.0	40.0	28	59.5	115	58.5	BD	57	07	23	1006	136	426	3.20	100.0	10	13
113.0	45.0	28	50.6	116	20.2	BD	57	07	23	0626	138	414	3.33	100.0	0	32
113.0	50.0	28	42.0	116	37.5	BD	57	07	23	0206	142	368	3.87	100.0	12	249
113.0	55.0	28	29.0	116	56.3	BD	57	07	22	2206	139	397	3.50	50.0	9	146
113.0	60.0	28	16.0	117	10.7	BD	57	07	22	1821	145	396	3.67	100.0	24	147
113.0	65.0	28	11.3	117	28.5	BD	57	07	22	1531	139	405	3.43	100.0	60	46
113.0	70.0	27	56.3	117	57.0	BD	57	07	22	1156	140	399	3.50	100.0	68	198
113.0	75.0	27	48.3	118	14.0	BD	57	07	22	0906	138	414	3.33	100.0	12	90
113.0	80.0	27	39.0	118	32.5	BD	57	07	22	0506	146	402	3.62	100.0	30	93
117.0	26.0	28	55.8	114	40.5	BD	57	07	20	1233	70	205	3.40	100.0	39	629
117.0	30.0	28	47.8	114	56.3	BD	57	07	20	1437	91	249	3.64	100.0	18	390
117.0	35.0	28	38.0	115	16.0	BD	57	07	20	1736	142	376	3.79	100.0	10	478
117.0	40.0	28	28.0	115	35.5	BD	57	07	20	2316	141	419	3.35	100.0	58	25
117.0	45.0	28	18.0	115	55.2	BD	57	07	21	0301	143	383	3.74	100.0	16	212
117.0	50.0	28	10.3	116	16.8	BD	57	07	21	0546	139	416	3.34	100.0	7	153
117.0	55.0	28	04.0	116	33.0	BD	57	07	21	0821	134	444	3.01	100.0	28	264
117.0	60.0	27	53.0	116	52.8	BD	57	07	21	1116	132	446	2.96	100.0	109	195
117.0	65.0	27	42.5	117	13.0	BD	57	07	21	1456	142	386	3.68	100.0	37	169
117.0	70.0	27	31.3	117	34.0	BD	57	07	21	1756	141	428	3.30	100.0	5	411
117.0	75.0	27	18.0	117	52.0	BD	57	07	21	2101	138	410	3.37	100.0	39	381
117.0	80.0	27	08.0	118	11.0	BD	57	07	21	2341	142	390	3.64	100.0	14	226
118.0	39.0	28	18.5	115	24.0	BD	57	07	20	2041	139	423	3.29	100.0	4	80
119.0	33.0	28	19.0	114	53.0	BD	57	07	20	0237	102	298	3.43	100.0	208	333
120.0	25.0	28	23.0	114	14.5	BD	57	07	20	0754	39	132	2.97	100.0	290	1952
120.0	30.0	28	13.0	114	34.0	BD	57	07	20	0448	85	262	3.23	100.0	429	2075
120.0	35.0	28	03.0	114	54.0	BD	57	07	20	0013	75	262	2.87	100.0	290	63
120.0	40.0	27	56.5	115	14.0	BD	57	07	19	2124	23	123	1.89	100.0	140	1857
120.0	45.0	27	43.0	115	33.0	BD	57	07	19	1711	150	390	3.85	50.0	0	6
120.0	50.0	27	31.2	115	52.5	BD	57	07	19	1336	144	395	3.65	100.0	1	21
120.0	55.0	27	23.2	116	08.8	BD	57	07	19	1111	138	412	3.34	100.0	4	97
120.0	60.0	27	14.0	116	27.7	BD	57	07	19	0831	140	397	3.52	100.0	9	159
120.0	65.0	27	04.0	116	47.8	BD	57	07	19	0546	143	404	3.54	100.0	33	344
120.0	70.0	26	53.5	117	08.2	BD	57	07	19	0236	141	419	3.36	100.0	61	151
120.0	75.0	26	43.8	117	28.2	BD	57	07	18	2356	142	417	3.40	100.0	27	265
120.0	80.0	26	32.5	117	48.5	BD	57	07	18	2016	142	410	3.48	100.0	0	0
123.0	37.0	27	24.0	114	39.7	BD	57	07	17	1633	68	236	2.90	100.0	18	271
123.0	42.0	27	13.7	114	59.7	BD	57	07	17	1901	138	440	3.13	100.0	17	251
123.0	50.0	26	58.0	115	30.5	BD	57	07	17	2316	135	463	2.91	100.0	48	197
123.0	55.0	26	48.2	115	49.7	BD	57	07	18	0216	137	443	3.09	100.0	204	65
123.0	60.0	26	37.2	116	06.6	BD	57	07	18	0446	139	450	3.09	100.0	112	37

TABLE 1. (cont.)

CalCOFI Cruise 5707

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	70.0	26	18.5	116	47.0	BD	57	07	18	1011	143	434	3.30	100.0	197	149
123.0	80.0	25	58.5	117	26.3	BD	57	07	18	1536	138	459	3.00	100.0	172	18
127.0	34.0	26	55.3	114	06.0	BD	57	07	17	1113	72	332	2.15	100.0	1	7
127.0	40.0	26	43.5	114	29.5	BD	57	07	17	0746	137	450	3.05	100.0	38	178
127.0	45.0	26	33.5	114	48.2	BD	57	07	17	0411	142	437	3.24	100.0	32	1163
127.0	50.0	26	23.5	115	08.0	BD	57	07	17	0201	138	443	3.12	100.0	108	55
127.0	55.0	26	13.5	115	27.2	BD	57	07	16	2311	142	439	3.23	100.0	156	51
127.0	60.0	26	03.5	115	46.5	BD	57	07	16	2006	133	460	2.90	100.0	52	78
127.0	70.0	25	44.0	116	24.5	BD	57	07	16	1406	141	401	3.53	100.0	6	17
130.0	30.0	26	29.0	113	29.0	BD	57	07	14	1848	66	257	2.59	25.0	4	37
130.0	35.0	26	19.0	113	48.5	BD	57	07	14	2126	134	483	2.76	12.5	28	26
130.0	40.0	26	09.0	114	07.5	BD	57	07	15	0031	137	414	3.30	50.0	257	21
130.0	45.0	25	59.0	114	25.7	BD	57	07	15	0411	136	460	2.95	100.0	35	283
130.0	50.0	25	49.0	114	46.0	BD	57	07	15	0746	134	437	3.08	100.0	16	86
130.0	55.0	25	39.0	115	04.0	BD	57	07	15	0956	134	480	2.79	100.0	5	13
130.0	60.0	25	29.0	115	24.0	BD	57	07	15	1626	139	400	3.48	100.0	9	8
130.0	70.0	25	08.5	116	02.0	BD	57	07	15	2136	132	448	2.95	100.0	0	0
130.0	80.0	24	48.5	116	40.0	BD	57	07	16	0256	144	396	3.63	100.0	99	231
133.0	25.0	26	00.7	112	42.8	BD	57	07	13	2253	66	244	2.72	50.0	4	1
133.0	30.0	25	54.5	113	07.5	BD	57	07	13	2001	137	413	3.33	50.0	24	32
133.0	35.0	25	44.4	113	26.4	BD	57	07	13	1621	137	401	3.42	100.0	15	38
133.0	40.0	25	34.5	113	45.5	BD	57	07	13	1301	141	411	3.43	100.0	30	250
133.0	45.0	25	24.3	114	04.7	BD	57	07	13	0946	142	393	3.61	100.0	2	134
133.0	50.0	25	14.5	114	24.0	BD	57	07	13	0616	138	408	3.38	100.0	155	139
133.0	60.0	24	54.5	115	01.5	BD	57	07	12	2346	142	453	3.12	100.0	141	199
133.0	70.0	24	35.5	115	39.0	BD	57	07	12	1816	141	441	3.20	100.0	34	15
133.0	80.0	24	14.0	116	18.0	BD	57	07	12	1231	140	448	3.13	100.0	53	74
137.0	23.0	25	34.2	112	18.7	BD	57	07	10	2308	60	221	2.71	25.0	3	722
137.0	30.0	25	20.0	112	45.5	BD	57	07	11	0241	142	413	3.45	100.0	55	26
137.0	35.0	25	10.0	113	04.5	BD	57	07	11	0556	141	397	3.56	100.0	18	10
137.0	40.0	25	00.0	113	23.5	BD	57	07	11	0826	140	375	3.74	100.0	5	12
137.0	45.0	24	47.5	113	44.0	BD	57	07	11	1156	139	422	3.30	100.0	5	16
137.0	50.0	24	40.0	114	01.5	BD	57	07	11	1436	140	424	3.30	100.0	7	777
137.0	60.0	24	20.0	114	39.5	BD	57	07	11	2040	141	462	3.06	100.0	57	190
137.0	70.0	23	59.5	115	17.5	BD	57	07	12	0206	139	441	3.16	100.0	183	141
137.0	80.0	23	39.0	115	56.2	BD	57	07	12	0711	137	480	2.86	100.0	82	190

TABLE 1. (cont.)

CalCOFI Cruise 5708

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
110.0	33.0	29	50.5	115	52.2	BD	57	08	16	1933	81	287	2.82	100.0	98	600
110.0	35.0	29	46.5	116	00.0	BD	57	08	16	1756	140	483	2.90	100.0	74	20
110.0	40.0	29	36.5	116	19.5	BD	57	08	16	1521	141	311	4.54	100.0	12	8
113.0	30.0	29	22.5	115	17.5	BD	57	08	17	0025	43	159	2.70	100.0	166	330
113.0	35.0	29	12.0	115	39.0	BD	57	08	17	0311	139	523	2.66	100.0	187	83
113.0	40.0	29	02.0	115	58.5	BD	57	08	17	0606	141	474	2.99	100.0	25	26
115.0	27.0	29	11.0	114	55.0	BD	57	08	17	1928	63	220	2.89	100.0	211	145
115.0	30.0	29	05.0	115	08.0	BD	57	08	17	1633	89	263	3.38	100.0	69	107
115.0	35.0	28	55.0	115	27.5	BD	57	08	17	1336	139	495	2.81	100.0	33	42
115.0	40.0	28	45.0	115	47.0	BD	57	08	17	1011	141	458	3.07	100.0	30	29
117.0	26.0	28	56.0	114	41.0	BD	57	08	17	2158	57	195	2.92	100.0	457	142
117.0	30.0	28	48.0	114	56.5	BD	57	08	18	0012	100	340	2.93	100.0	369	433
117.0	35.0	28	38.0	115	16.0	BD	57	08	18	0301	142	443	3.20	100.0	154	53
117.0	40.0	28	28.0	115	35.5	BD	57	08	18	0546	139	509	2.74	100.0	49	22
118.5	25.0	28	40.5	114	25.5	BD	57	08	18	1658	76	252	3.02	100.0	80	422
118.5	30.0	28	30.0	114	45.5	BD	57	08	18	1337	103	323	3.19	100.0	54	588
118.5	35.0	28	20.5	115	05.0	BD	57	08	18	0952	124	396	3.12	100.0	189	2385
119.0	33.0	28	19.0	114	53.0	BD	57	08	18	1143	99	340	2.90	100.0	196	2356
120.0	25.0	28	23.0	114	14.5	BD	57	08	18	1924	50	169	2.96	100.0	188	471
120.0	30.0	28	13.0	114	34.0	BD	57	08	18	2209	85	256	3.34	100.0	117	553
120.0	35.0	28	03.0	114	54.0	BD	57	08	19	0043	62	289	2.13	100.0	114	380
120.0	40.0	27	56.5	115	14.0	BD	57	08	19	0259	27	131	2.03	100.0	283	1084
120.0	45.0	27	43.0	115	33.0	BD	57	08	19	0541	139	474	2.93	100.0	127	51
123.0	37.0	27	24.0	114	39.7	BD	57	08	19	1548	61	250	2.43	100.0	21	242
123.0	42.0	27	14.0	114	59.7	BD	57	08	19	1306	144	438	3.30	100.0	45	20
123.0	45.0	27	08.0	115	11.2	BD	57	08	19	1116	142	470	3.03	100.0	24	6
127.0	34.0	26	55.3	114	06.0	BD	57	08	19	2048	75	261	2.88	100.0	140	585
127.0	40.0	26	43.5	114	29.5	BD	57	08	19	2331	141	420	3.36	100.0	204	34
127.0	45.0	26	33.5	114	48.7	BD	57	08	20	0206	140	493	2.85	100.0	217	35
130.0	30.0	26	29.0	113	29.0	BD	57	08	20	1453	72	267	2.68	100.0	49	73
130.0	35.0	26	19.0	113	48.5	BD	57	08	20	1216	144	483	2.97	100.0	45	232
130.0	40.0	26	09.0	114	07.5	BD	57	08	20	0936	136	493	2.75	100.0	72	24
130.0	45.0	25	59.0	114	25.7	BD	57	08	20	0656	137	508	2.70	100.0	62	31
133.0	25.0	26	04.5	112	48.0	BD	57	08	20	1938	76	223	3.24	100.0	262	116
133.0	30.0	25	54.5	113	07.5	BD	57	08	20	2211	147	425	3.46	100.0	41	12
137.0	23.0	25	34.2	112	18.7	BD	57	08	21	1943	69	257	2.67	100.0	195	3088
137.0	30.0	25	20.0	112	45.5	BD	57	08	21	0256	145	479	3.03	100.0	192	266

TABLE 1. (cont.)

CalCOFI Cruise 5709

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)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
110.0	33.0	29	50.5	115	52.2	BD	57	09	12	1228	66	274	2.42	100.0	67	20
110.0	35.0	29	46.5	116	00.0	BD	57	09	12	1101	143	404	3.54	100.0	52	10
110.0	40.0	29	36.7	116	19.6	BD	57	09	12	0821	134	471	2.86	100.0	44	6
113.0	30.0	29	22.5	115	17.5	BD	57	09	12	1703	34	145	2.37	100.0	29	312
113.0	35.0	29	12.0	115	38.8	BD	57	09	12	2026	140	447	3.13	100.0	302	36
113.0	40.0	29	02.0	115	58.5	BD	57	09	13	0005	136	469	2.90	100.0	455	24
115.0	27.0	29	11.0	114	55.3	BD	57	09	13	1328	34	256	2.66	100.0	46	96
115.0	30.0	29	05.0	115	08.0	BD	57	09	13	1107	92	297	3.09	100.0	46	64
115.0	35.0	28	55.0	115	27.5	BD	57	09	13	0816	137	470	2.92	100.0	41	6
115.0	40.0	28	45.0	115	47.0	BD	57	09	13	0346	139	432	3.21	100.0	163	14
117.0	26.0	28	55.7	114	40.7	BD	57	09	13	1603	68	257	2.65	100.0	217	1232
117.0	30.0	28	48.0	114	56.5	BD	57	09	13	1807	95	311	3.10	100.0	58	165
117.0	35.0	28	38.0	115	16.0	BD	57	09	13	2111	142	473	3.00	100.0	91	51
117.0	40.0	28	28.0	115	35.5	BD	57	09	14	0006	141	427	3.30	100.0	151	12
118.5	25.0	28	40.6	114	25.7	BD	57	09	14	1048	62	245	2.54	100.0	53	406
118.5	30.0	28	30.7	114	45.3	BD	57	09	14	0817	100	267	3.75	100.0	204	152
119.0	33.0	28	18.8	114	53.2	BD	57	09	14	0537	103	346	2.98	100.0	172	589
120.0	25.0	28	23.0	114	15.0	BD	57	09	14	1318	55	173	3.17	100.0	26	736
120.0	30.0	28	13.0	114	34.0	BD	57	09	14	1603	73	238	3.09	100.0	97	746
120.0	35.0	28	03.0	114	54.0	BD	57	09	14	1913	67	225	2.99	100.0	120	799
120.0	40.0	27	56.4	115	13.8	BD	57	09	14	2141	34	114	2.95	100.0	166	11
120.0	45.0	27	43.0	115	33.0	BD	57	09	15	0014	132	468	2.82	100.0	71	17
123.0	37.0	27	24.0	114	40.0	BD	57	09	15	1028	71	211	3.37	100.0	42	514
123.0	42.0	27	16.2	115	00.7	BD	57	09	15	0800	70	443	3.17	100.0	19	74
123.0	45.0	27	08.1	115	12.8	BD	57	09	15	0506	136	420	3.23	100.0	23	9
127.0	34.0	26	55.3	114	06.3	BD	57	09	15	1503	71	212	3.37	100.0	2	56
127.0	40.0	26	43.5	114	29.5	BD	57	09	20	2216	139	402	3.46	100.0	102	77
127.0	45.0	26	33.4	114	48.5	BD	57	09	20	1901	147	389	3.78	100.0	57	343
130.0	30.0	26	28.7	113	29.0	BD	57	09	16	1218	66	258	2.57	100.0	5	4
130.0	35.0	26	18.7	113	48.2	BD	57	09	20	0656	134	426	3.13	100.0	6	16
130.0	40.0	26	09.0	114	06.5	BD	57	09	20	1101	138	417	3.30	100.0	6	3
130.0	45.0	25	59.0	114	25.7	BD	57	09	20	1346	135	296	2.99	100.0	19	102
133.0	25.0	26	04.8	112	47.8	BD	57	09	16	1718	71	236	3.01	100.0	22	55
133.0	30.0	25	54.5	113	07.3	BD	57	09	20	0206	134	380	3.53	100.0	72	6
137.0	23.0	25	34.0	112	18.7	BD	57	09	17	0813	69	215	3.22	100.0	310	948
137.0	30.0	25	20.2	112	44.7	BD	57	09	19	1811	141	429	3.29	100.0	182	108

TABLE 1. (cont.)

CalCOFI Cruise 5710

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	27.5	120	32.0	PT	57	10	22	2134	72	262	2.75	100.0	6	11
80.0	55.0	34	20.5	120	49.0	PT	57	10	23	0011	150	508	2.95	100.0	33	16
80.0	60.0	34	12.5	121	11.0	PT	57	10	23	0426	143	522	2.73	100.0	14	25
80.0	70.0	33	57.0	121	53.0	PT	57	10	23	0926	146	503	2.90	100.0	0	8
80.0	90.0	33	10.5	123	05.0	PT	57	10	23	2336	138	481	2.86	100.0	26	5
82.0	47.0	34	15.0	119	57.5	PT	57	10	25	1936	149	427	3.49	100.0	3	47
83.0	40.0	34	14.0	119	21.5	PT	57	10	26	0230	11	87	1.30	100.0	10	112
83.0	43.0	34	08.0	119	34.0	PT	57	10	26	0001	151	425	3.55	100.0	28	59
83.0	51.0	33	52.0	120	07.5	PT	57	10	25	0856	136	446	3.05	100.0	5	42
83.0	60.0	33	34.0	120	45.0	PT	57	10	25	0116	155	443	3.51	100.0	7	4
83.0	70.0	33	15.0	121	23.0	PT	57	10	24	1831	115	492	2.35	100.0	16	8
83.0	80.0	32	55.0	122	04.0	PT	57	10	24	1116	140	530	2.64	100.0	6	3
83.0	90.0	32	37.5	122	37.0	PT	57	10	24	0611	134	509	2.63	100.0	17	0
87.0	36.0	33	48.0	118	41.5	PT	57	10	26	0841	131	459	2.86	100.0	18	61
87.0	40.0	33	41.5	118	59.0	PT	57	10	26	1151	161	386	4.17	100.0	0	30
87.0	45.0	33	33.0	119	20.0	PT	57	10	26	1606	135	435	3.09	100.0	2	73
87.0	50.0	33	20.0	119	39.5	PT	57	10	26	2043	61	192	3.18	100.0	10	6
87.0	55.0	33	07.5	119	59.5	PT	57	10	26	2341	115	482	2.39	100.0	14	8
87.0	60.0	32	57.5	120	16.5	PT	57	10	27	0501	134	400	3.35	100.0	9	1
87.0	70.0	32	40.0	121	02.5	PT	57	10	27	1151	129	437	2.96	100.0	10	0
87.0	80.0	32	19.0	121	42.0	PT	57	10	27	1831	129	403	3.21	100.0	15	1
87.0	90.0	31	58.0	122	22.5	PT	57	10	28	0051	122	444	2.74	100.0	14	4
90.0	28.0	33	28.5	117	47.0	PT	57	10	30	0406	140	428	3.27	100.0	2	15
90.0	30.0	33	24.5	117	55.0	PT	57	10	30	0141	124	370	3.36	100.0	20	56
90.0	37.0	33	10.5	118	23.5	PT	57	10	29	2041	132	394	3.35	100.0	41	61
90.0	45.0	32	54.5	118	56.0	PT	57	10	29	1446	76	563	1.34	100.0	2	27
90.0	50.0	32	46.5	119	16.5	PT	57	10	29	1141	83	608	1.36	100.0	57	9
90.0	53.0	32	39.0	119	30.0	PT	57	10	29	0906	134	412	3.26	100.0	15	3
90.0	60.0	32	23.5	119	58.5	PT	57	10	29	0416	138	412	3.35	100.0	4	5
90.0	70.0	32	05.0	120	38.0	PT	57	10	28	2046	132	420	3.15	100.0	6	1
90.0	80.0	31	42.0	121	17.0	PT	57	10	28	1431	82	611	1.34	100.0	7	14
90.0	90.0	31	21.0	121	56.5	PT	57	10	28	0726	133	428	3.11	100.0	1	7
93.0	27.0	32	56.0	117	19.0	PT	57	10	30	1038	66	230	2.85	100.0	2	35
93.0	30.0	32	50.0	117	31.5	PT	57	10	31	1701	132	373	3.54	100.0	1	0
93.0	35.0	32	40.0	117	52.0	PT	57	10	31	1931	136	305	4.47	100.0	16	6
93.0	40.0	32	30.0	118	12.5	PT	57	10	31	2351	127	448	2.83	100.0	6	33
93.0	50.0	32	10.0	118	53.0	PT	57	11	01	0611	142	417	3.40	100.0	9	7
93.0	60.0	31	50.0	119	35.0	PT	57	11	01	1321	134	431	3.12	50.0	1	0
93.0	70.0	31	30.0	120	14.0	PT	57	11	01	1946	132	429	3.07	100.0	7	6
93.0	80.0	31	11.0	120	52.0	PT	57	11	02	0206	140	442	3.17	100.0	130	55
93.0	90.0	30	52.5	121	29.0	PT	57	11	02	0836	144	418	3.44	100.0	34	56
97.0	30.0	32	15.5	117	08.5	PT	57	11	04	0654	31	147	2.12	100.0	13	5
97.0	32.0	32	12.5	117	19.0	PT	57	11	04	0411	142	379	3.76	100.0	11	0
97.0	35.0	32	06.0	117	29.0	PT	57	11	04	0156	139	398	3.49	100.0	15	5
97.0	40.0	31	55.0	117	49.5	PT	57	11	03	2206	139	407	3.40	100.0	58	6

TABLE 1. (cont.)

CalCOFI Cruise 5710

Line	Station	Lat.(N) deg.	min.	Long.(W) deg.	min.	Ship Code	Tow Date yr.	mo.	day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand-ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
97.0	50.0	31	35.0	118	30.0	PT	57	11	03	1551	139	395	3.51	100.0	0	5
97.0	60.0	31	14.5	119	27.0	PT	57	11	03	0906	140	441	3.18	100.0	6	3
97.0	70.0	30	53.5	119	43.0	PT	57	11	03	0351	112	534	2.09	100.0	17	3
97.0	80.0	30	35.0	120	28.0	PT	57	11	02	1931	143	430	3.33	100.0	96	41
97.0	90.0	30	18.0	121	06.0	PT	57	11	02	1456	135	434	3.10	100.0	53	32
100.0	29.0	31	42.0	116	43.0	PT	57	11	04	1616	122	386	3.15	100.0	0	6
100.0	30.0	31	41.0	116	46.5	PT	57	11	04	1716	136	424	3.21	100.0	9	12
100.0	35.0	31	31.0	117	07.0	PT	57	11	04	2051	135	413	3.28	100.0	6	3
100.0	40.0	31	21.0	117	27.0	PT	57	11	04	2356	125	438	2.85	100.0	6	3
100.0	50.0	31	02.5	118	08.0	PT	57	11	05	0611	129	430	3.00	100.0	5	2
100.0	60.0	30	44.0	118	48.5	PT	57	11	05	1221	136	429	3.17	100.0	14	4
100.0	70.0	30	23.0	119	28.5	PT	57	11	05	1831	129	453	2.84	100.0	36	23
100.0	80.0	30	02.0	120	07.5	PT	57	11	06	0031	138	460	2.99	100.0	50	16
100.0	90.0	29	40.5	120	40.5	PT	57	11	06	0631	139	450	3.09	100.0	35	21
103.0	30.0	31	05.0	116	25.0	PT	57	11	07	2018	55	210	2.62	100.0	96	3
103.0	35.0	30	55.0	116	45.0	PT	57	11	07	1656	145	434	3.34	100.0	1	1
103.0	40.0	30	45.0	117	06.0	PT	57	11	07	1301	136	431	3.15	100.0	14	1
103.0	50.0	30	29.0	117	45.0	PT	57	11	07	0726	144	422	3.41	100.0	31	2
103.0	60.0	30	08.5	118	26.0	PT	57	11	07	0211	140	438	3.20	100.0	212	16
103.0	70.0	29	47.0	119	04.5	PT	57	11	06	1956	139	416	3.34	100.0	152	17
103.0	80.0	29	27.0	119	44.0	PT	57	11	06	1341	133	437	3.05	100.0	36	22
107.0	35.0	30	20.0	116	23.0	ST	57	10	04	1121	126	485	2.60	100.0	9	0
107.0	40.0	30	10.0	116	43.0	ST	57	10	04	1456	145	399	3.63	100.0	13	1
107.0	50.0	29	50.0	117	24.0	ST	57	10	04	2021	149	342	4.34	100.0	85	7
107.0	60.0	29	30.0	118	02.0	ST	57	10	05	0046	151	406	3.73	100.0	68	8
107.0	70.0	29	10.5	118	43.0	ST	57	10	05	0641	142	438	3.25	100.0	18	267
107.0	80.0	28	51.0	119	22.0	ST	57	10	05	1126	144	449	3.21	100.0	27	194
110.0	33.0	29	47.8	115	52.0	ST	57	10	06	1848	83	273	3.05	100.0	83	1
110.0	35.0	29	46.0	116	00.0	ST	57	10	06	1726	125	511	2.45	100.0	59	3
110.0	40.0	29	36.0	116	19.5	ST	57	10	06	1416	133	478	2.79	100.0	17	4
110.0	50.0	29	10.5	117	00.5	ST	57	10	06	0826	136	479	2.84	100.0	64	47
110.0	60.0	28	54.0	117	39.0	ST	57	10	06	0311	144	407	3.55	100.0	162	18
110.0	70.0	28	36.0	118	18.0	ST	57	10	05	2201	147	446	3.30	100.0	223	355
110.0	80.0	28	15.0	118	57.0	ST	57	10	05	1626	134	482	2.78	100.0	13	163
113.0	30.0	29	22.5	115	18.2	ST	57	10	06	2358	50	181	2.79	100.0	26	58
113.0	35.0	29	12.0	115	38.8	ST	57	10	07	0311	144	443	3.24	100.0	41	0
113.0	40.0	29	02.0	115	59.0	ST	57	10	07	0606	139	448	3.11	100.0	19	6
113.0	50.0	28	41.7	116	38.0	ST	57	10	07	1116	122	510	2.40	100.0	82	61
113.0	60.0	28	21.0	117	17.0	ST	57	10	07	1621	127	487	2.61	100.0	69	37
113.0	70.0	28	02.0	117	56.0	ST	57	10	07	2121	140	462	3.02	100.0	79	20
113.0	80.0	27	41.0	118	34.0	ST	57	10	08	0221	134	488	2.74	100.0	350	75
117.0	26.0	28	55.8	114	40.8	ST	57	10	09	2308	59	196	3.01	100.0	246	164
117.0	30.0	28	47.8	114	56.0	ST	57	10	09	2103	76	328	2.32	100.0	230	119
117.0	35.0	28	38.0	115	15.8	ST	57	10	09	1801	123	513	2.40	100.0	51	35
117.0	40.0	28	28.0	115	35.5	ST	57	10	09	0501	132	456	2.90	100.0	26	9

TABLE 1. (cont.)

CalCOFI Cruise 5710

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
117.0	50.0	28	08.0	116	15.0	ST	57	10	08	2306	141	455	3.10	100.0	98	2
117.0	60.0	27	47.3	116	53.0	ST	57	10	08	1756	116	569	2.04	100.0	341	18
117.0	70.0	27	27.5	117	33.0	ST	57	10	08	1256	120	535	2.24	100.0	64	22
117.0	80.0	27	07.0	118	16.0	ST	57	10	08	0731	99	497	2.46	100.0	95	59
118.0	39.0	28	18.5	115	23.8	ST	57	10	09	0721	121	509	2.38	100.0	6	10
119.0	33.0	28	19.3	114	52.8	ST	57	10	10	0838	77	295	2.60	100.0	64	361
120.0	25.0	28	23.0	114	14.5	ST	57	10	10	0324	39	212	2.52	100.0	37	215
120.0	30.0	28	13.3	114	34.0	ST	57	10	10	0603	72	339	2.11	100.0	144	267
120.0	35.0	28	03.0	114	54.0	ST	57	10	10	1048	55	244	2.27	100.0	122	402
120.0	40.0	27	52.8	115	13.5	ST	57	10	11	0724	23	140	1.67	100.0	12	347
120.0	45.0	27	43.0	115	33.0	ST	57	10	11	1026	132	471	2.80	100.0	18	23
120.0	50.0	27	33.0	115	52.0	ST	57	10	11	1336	129	472	2.72	100.0	3	1
120.0	60.0	27	11.0	116	30.0	ST	57	10	11	1836	134	445	3.01	100.0	77	4
120.0	70.0	26	49.0	117	07.5	ST	57	10	11	2351	137	420	3.26	100.0	62	0
120.0	80.0	26	27.5	117	44.0	ST	57	10	12	0501	134	456	2.93	100.0	124	69
120.0	90.0	26	03.0	118	28.0	ST	57	10	12	1016	138	464	2.97	100.0	92	55
123.0	37.0	27	23.0	114	40.0	ST	57	10	13	1643	52	192	2.72	100.0	31	80
123.0	42.0	27	12.8	114	55.8	ST	57	10	13	1401	132	450	2.93	100.0	1	4
123.0	50.0	26	57.8	115	30.5	ST	57	10	13	0941	127	499	2.54	100.0	33	7
123.0	60.0	26	41.0	116	00.0	ST	57	10	13	0416	134	437	3.06	100.0	47	25
123.0	70.0	26	19.0	116	46.5	ST	57	10	12	2241	138	448	3.09	100.0	130	48
123.0	80.0	25	59.0	117	25.0	ST	57	10	12	1711	134	454	2.95	100.0	35	14
127.0	34.0	26	55.3	114	06.0	ST	57	10	13	2058	72	211	3.39	100.0	3	0
127.0	40.0	26	43.0	114	29.0	ST	57	10	14	0016	144	382	3.78	100.0	40	7
127.0	45.0	26	33.7	114	48.0	ST	57	10	14	0251	144	376	3.82	100.0	17	14
127.0	50.0	26	24.0	115	08.0	ST	57	10	14	0556	142	328	4.34	100.0	12	96
127.0	60.0	26	03.5	115	45.5	ST	57	10	14	1101	131	404	3.25	100.0	14	13
127.0	70.0	25	43.3	116	24.0	ST	57	10	14	1606	128	415	3.08	100.0	21	19
127.0	80.0	25	24.0	117	02.3	ST	57	10	14	2111	140	389	3.61	100.0	57	6
130.0	30.0	26	27.7	113	30.3	ST	57	10	16	0508	64	189	3.35	100.0	3	20
130.0	35.0	26	17.7	113	47.0	ST	57	10	16	0206	142	332	4.28	100.0	3	12
130.0	40.0	26	06.3	114	05.0	ST	57	10	15	2306	152	290	5.25	100.0	50	91
130.0	50.0	25	45.0	114	39.7	ST	57	10	15	1806	124	374	3.31	100.0	34	588
130.0	60.0	25	24.0	115	20.0	ST	57	10	15	1256	131	384	3.41	100.0	17	78
130.0	70.0	25	06.0	116	00.0	ST	57	10	15	0706	130	435	2.99	100.0	21	46
130.0	80.0	24	49.0	116	39.0	ST	57	10	15	0206	139	358	3.87	100.0	51	7
133.0	25.0	26	05.0	112	46.8	ST	57	10	16	1008	66	219	3.02	100.0	19	96
133.0	30.0	25	53.5	113	06.5	ST	57	10	16	1246	128	468	2.73	100.0	3	10
133.0	35.0	25	43.0	113	25.5	ST	57	10	16	1521	139	421	3.30	100.0	5	71
133.0	40.0	25	33.3	113	43.0	ST	57	10	16	1831	136	446	3.05	100.0	16	425
133.0	50.0	25	14.0	114	23.5	ST	57	10	16	2336	136	439	3.09	100.0	31	3
133.0	60.0	24	56.0	115	03.5	ST	57	10	17	0441	136	464	2.93	100.0	68	11
133.0	70.0	24	38.0	115	41.0	ST	57	10	17	0946	126	449	2.82	100.0	44	261
133.0	80.0	24	20.7	116	20.5	ST	57	10	17	1341	134	330	4.07	100.0	12	57
137.0	23.0	25	34.0	112	18.8	ST	57	10	19	0038	74	203	3.63	100.0	187	588

TABLE 1. (cont.)

CalCOFI Cruise 5710

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	30.0	25	20.3	112	44.8	ST	57	10	18	2141	145	392	3.71	100.0	40	1
137.0	35.0	25	10.0	113	04.5	ST	57	10	18	1846	139	381	3.65	100.0	36	273
137.0	40.0	25	00.0	113	23.0	ST	57	10	18	1611	135	427	3.15	100.0	4	3
137.0	50.0	24	39.0	114	04.0	ST	57	10	18	1051	133	456	2.92	100.0	34	20
137.0	60.0	24	21.5	114	40.0	ST	57	10	18	0501	137	445	3.09	100.0	32	37
137.0	70.0	24	03.0	115	19.5	ST	57	10	17	2351	136	420	3.25	100.0	102	123
137.0	80.0	23	44.0	116	00.0	ST	57	10	17	1846	135	430	3.14	100.0	35	47

TABLE 1. (cont.)

CalCOFI Cruise 5711

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
70.0	55.0	36	03.0	122	02.0	OR	57	11	17	1446	130	487	2.67	100.0	3	9
70.0	60.0	35	53.0	122	23.0	OR	57	11	17	1816	142	463	3.06	100.0	4	0
70.0	70.0	35	34.0	123	06.0	OR	57	11	17	2351	126	513	2.45	100.0	8	19
70.0	80.0	35	14.0	123	48.0	OR	57	11	18	0511	141	453	3.11	100.0	9	9
73.0	51.0	35	36.5	121	21.5	OR	57	11	17	0221	147	433	3.39	100.0	22	1
73.0	55.0	35	29.0	121	37.0	OR	57	11	17	0526	141	443	3.17	100.0	18	0
73.0	60.0	35	19.0	121	58.0	OR	57	11	17	0836	142	458	3.10	100.0	1	7
80.0	55.0	34	19.5	120	48.5	OR	57	11	18	2346	143	467	3.06	100.0	231	223
80.0	60.0	34	09.5	121	10.0	OR	57	11	19	0226	137	465	2.94	100.0	43	22
80.0	70.0	33	49.0	121	50.0	OR	57	11	19	0826	135	480	2.81	100.0	8	6
82.0	47.0	34	15.0	119	58.0	OR	57	11	20	0111	146	311	4.68	100.0	104	688
83.0	40.0	34	14.0	119	22.0	OR	57	11	20	0900	12	51	2.26	100.0	42	147
83.0	43.0	34	08.0	119	34.0	OR	57	11	20	0341	139	246	5.65	100.0	60	21
83.0	51.0	33	52.0	120	05.0	OR	57	11	19	2103	70	212	3.32	100.0	47	43
83.0	55.0	33	46.0	120	25.0	OR	57	11	19	1746	120	519	2.30	100.0	111	117
83.0	60.0	33	37.0	120	47.0	OR	57	11	19	1441	127	508	2.50	100.0	5	5
87.0	36.0	33	48.0	118	42.0	OR	57	11	20	1336	117	522	2.25	100.0	16	482
87.0	40.0	33	38.0	119	03.0	OR	57	11	20	1631	141	363	3.87	100.0	4	125
87.0	45.0	33	30.0	119	19.0	OR	57	11	20	1841	140	400	3.49	100.0	2	29
87.0	50.0	33	20.0	119	39.0	OR	57	11	20	2133	60	185	3.23	100.0	67	10
87.0	55.0	33	10.0	120	00.0	OR	57	11	21	0031	118	457	2.59	100.0	24	9
87.0	60.0	33	00.0	120	21.0	OR	57	11	21	0406	141	367	3.83	100.0	35	13
90.0	28.0	33	28.0	117	46.0	OR	57	11	23	0431	139	252	5.53	100.0	66	135
90.0	30.0	33	25.0	117	55.0	OR	57	11	23	0216	120	410	2.94	100.0	21	117
90.0	37.0	33	14.0	118	27.0	OR	57	11	22	0101	107	558	1.93	100.0	27	249
90.0	45.0	32	55.0	118	56.0	OR	57	11	21	1826	137	471	2.92	100.0	7	57
90.0	50.0	32	50.0	119	21.0	OR	57	11	21	1446	121	527	2.30	100.0	6	0
90.0	55.0	32	41.0	119	42.0	OR	57	11	21	1146	131	433	3.03	100.0	10	1
90.0	60.0	32	32.0	120	03.0	OR	57	11	21	0836	143	424	3.37	100.0	4	3
93.0	27.0	32	55.0	117	20.0	OR	57	11	23	0921	134	479	2.80	100.0	11	178
93.0	30.0	32	48.0	117	32.0	OR	57	11	23	1121	137	450	3.05	100.0	1	68
93.0	35.0	32	39.0	117	52.0	OR	57	11	23	1411	119	514	2.32	100.0	1	33
93.0	40.0	32	29.0	118	13.0	OR	57	11	23	1656	133	498	2.66	100.0	1	27
93.0	45.0	32	19.0	118	33.0	OR	57	11	23	1946	141	454	3.09	100.0	0	24
93.0	50.0	32	10.0	118	53.0	OR	57	11	23	2231	137	462	2.97	100.0	5	23
93.0	55.0	32	00.0	119	14.0	OR	57	11	24	0126	123	482	2.54	100.0	0	38
93.0	60.0	31	50.0	119	33.0	OR	57	11	24	0416	138	340	4.05	100.0	1	4
97.0	30.0	32	15.0	117	08.0	OR	57	11	25	0429	48	114	4.21	100.0	24	19
97.0	32.0	32	11.0	117	16.0	OR	57	11	25	0251	119	305	3.91	100.0	17	153
97.0	40.0	32	00.0	117	50.0	OR	57	11	24	2036	141	277	5.08	100.0	16	4
97.0	45.0	31	45.0	118	10.0	OR	57	11	24	1711	137	371	3.70	100.0	3	3
97.0	50.0	31	35.0	118	30.0	OR	57	11	24	1431	108	553	1.96	100.0	0	55
97.0	55.0	31	25.0	118	50.0	OR	57	11	24	1146	132	498	2.65	100.0	1	15
97.0	60.0	31	16.0	119	11.0	OR	57	11	24	0906	138	267	5.18	100.0	2	9

TABLE 1. (cont.)

CalCOFI Cruise 5712

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	PT	57	12	14	1558	69	274	2.53	100.0	136	68
80.0	55.0	34	19.0	120	48.0	PT	57	12	14	1826	130	432	3.00	100.0	115	138
80.0	60.0	34	09.0	121	09.0	PT	57	12	14	2200	146	398	3.67	100.0	39	25
80.0	70.0	33	50.0	121	51.0	PT	57	12	15	0736	140	424	3.32	100.0	11	3
80.0	80.0	33	29.0	122	31.5	PT	57	12	15	1356	132	440	3.01	100.0	0	8
80.0	90.0	33	05.5	123	10.0	PT	57	12	15	2141	142	443	3.21	100.0	6	5
83.0	90.0	32	34.5	122	44.0	PT	57	12	16	0405	142	472	3.01	100.0	8	8
87.0	90.0	32	02.0	122	16.5	PT	57	12	16	1021	153	484	3.15	100.0	2	5
90.0	28.0	33	28.5	117	46.5	PT	57	12	18	0841	142	432	3.30	100.0	15	50
90.0	30.0	33	24.5	117	55.0	PT	57	12	18	0621	154	434	3.56	100.0	1	38
90.0	37.0	33	11.0	118	23.5	PT	57	12	18	0126	128	427	2.99	100.0	2	188
90.0	45.0	32	54.5	118	56.0	PT	57	12	17	2046	138	430	3.22	100.0	9	167
90.0	50.0	32	44.5	119	16.5	PT	57	12	17	1802	135	349	3.86	100.0	55	17
90.0	55.0	32	36.0	119	34.5	PT	57	12	17	1446	147	421	3.49	100.0	0	22
90.0	60.0	32	32.0	119	46.5	PT	57	12	17	1131	139	423	3.28	100.0	3	18
90.0	70.0	32	10.0	120	30.0	PT	57	12	17	0521	136	440	3.09	100.0	7	4
90.0	80.0	31	46.5	121	12.0	PT	57	12	16	2246	133	476	2.79	100.0	21	1
90.0	90.0	31	22.5	121	56.0	PT	57	12	16	1636	139	427	3.27	100.0	13	47
97.0	32.0	32	15.3	117	13.0	ST	57	12	20	0455	132	419	3.16	100.0	50	88
100.0	40.0	31	39.0	117	25.0	ST	57	12	20	2344	133	452	2.95	100.0	10	2
103.0	50.0	30	26.0	117	48.0	ST	57	12	19	1420	141	439	3.20	100.0	0	5
107.0	60.0	29	31.0	118	03.0	ST	57	12	18	0721	151	407	3.71	100.0	8	245
110.0	70.0	28	30.0	118	20.0	ST	57	12	18	2201	147	462	3.18	100.0	85	145

TABLE 2. Pooled occurrences of fish larvae taken during CalCOFI cruises in 1957.

Rank	Taxon	Occurrences
1	*Triphoturus mexicanus*	641
2	*Engraulis mordax*	581
3	*Vinciguerria lucetia*	574
4	*Sebastes* spp.	558
5	*Diogenichthys laternatus*	412
6	*Leuroglossus stilbius*	343
7	*Merluccius productus*	331
8	*Lampanyctus ritteri*	306
9	*Bathylagus wesethi*	298
10	*Trachurus symmetricus*	295
11	*Stenobrachius leucopsarus*	267
12	*Protomyctophum crockeri*	254
13	*Cyclothone* spp.	240
14	*Melamphaes* spp.	212
15	*Citharichthys xanthostigma*	208
16	Disintegrated fish larva	193
17	*Citharichthys stigmaeus*	191
18	Myctophidae	175
19	*Sardinops sagax*	174
20	*Ceratoscopelus townsendi*	165
21	*Symbolophorus californiensis*	142
22	Unidentified fish larva	129
23	*Citharichthys* spp.	127
24	*Citharichthys fragilis*	125
24	*Lampanyctus* spp.	125
26	*Tetragonurus cuvieri*	124
27	*Tarletonbeania crenularis*	116
28	*Bathylagus ochotensis*	111
29	*Diogenichthys atlanticus*	109
30	Labridae	97
31	Gobiidae	93
32	Paralepididae	92
33	*Lyopsetta exilis*	90
34	*Hygophum atratum*	88
35	*Gonichthys tenuiculus*	81
36	*Symphurus* spp.	80
37	Ophidiiformes	74
37	*Nansenia crassa*	74
39	*Scomber japonicus*	71
40	*Synodus* spp.	70
40	*Icichthys lockingtoni*	70
40	Sciaenidae	70
43	*Stomias atriventer*	67
44	*Diaphus* spp.	66
45	*Lampadena urophaos*	63
45	Sternoptychidae	63
47	*Citharichthys sordidus*	62
48	Chiasmodontidae	57

TABLE 2. (cont.)

Rank	Taxon	Occurrences
49	*Argentina sialis*	56
50	*Ophidion scrippsae*	53
51	*Chauliodus macouni*	48
52	Trichiuridae	47
53	*Hippoglossina stomata*	44
54	Scopelarchidae	43
55	*Pleuronichthys verticalis*	40
56	*Parophrys vetulus*	39
57	*Peprilus simillimus*	37
58	*Seriola lalandi*	36
59	Anguilliformes	33
60	*Notoscopelus resplendens*	31
60	Cottidae	31
62	*Prionotus* spp.	30
62	*Scorpaena* spp.	30
62	*Diogenichthys* spp.	30
62	*Paralichthys californicus*	30
66	Trachipteridae	28
67	*Myctophum nitidulum*	27
67	*Etrumeus acuminatus*	27
69	*Microstomus pacificus*	26
69	*Scopelogadus bispinosus*	26
69	*Hypsoblennius* spp.	26
69	*Lampanyctus regalis*	26
73	Pomacentridae	24
73	*Coryphaena hippurus*	24
75	*Auxis* spp.	23
76	*Poromitra* spp.	21
77	*Hygophum reinhardtii*	20
78	*Idiacanthus antrostomus*	19
79	*Ichthyococcus* spp.	18
80	Serranidae	17
81	*Etropus* spp.	16
81	Ceratioidei	16
81	*Microstoma microstoma*	16
84	*Hygophum* spp.	15
84	*Brama* spp.	15
84	*Sphyraena argentea*	15
87	*Cololabis saira*	14
87	Haemulidae	14
87	*Brosmophycis marginata*	14
87	Clinidae	14
91	Gerreidae	13
91	*Bregmaceros* spp.	13
93	*Medialuna californiensis*	12
93	*Chromis punctipinnis*	12
95	Agonidae	11
95	*Glyptocephalus zachirus*	11
97	Carangidae	10

TABLE 2. (cont.)

Rank	Taxon	Occurrences
97	*Caulolatilus princeps*	10
97	*Aristostomias scintillans*	10
100	*Tactostoma macropus*	9
101	*Physiculus* spp.	8
102	*Loweina rara*	7
102	Scombridae	7
102	*Nansenia candida*	7
102	*Xystreurys liolepis*	7
102	*Pleuronichthys* spp.	7
107	*Syacium ovale*	6
107	*Chilara taylori*	6
109	*Syngnathus* spp.	5
109	Moridae	5
109	*Pleuronichthys coenosus*	5
109	*Sebastolobus* spp.	5
109	Pleuronectiformes	5
109	Nomeidae	5
109	*Psettichthys melanostictus*	5
109	Exocoetidae	5
117	*Oxylebius pictus*	4
117	*Bathophilus* spp.	4
117	*Bathylagus* spp.	4
117	*Bothus* spp.	4
121	*Opisthonema* spp.	3
121	*Diplophos taenia*	3
121	*Pleuronichthys ritteri*	3
121	*Girella nigricans*	3
121	Cyclopteridae	3
121	*Myctophum aurolaternatum*	3
121	*Pleuronichthys decurrens*	3
121	*Scorpaenichthys marmoratus*	3
129	Blennioidei	2
129	Stomiiformes	2
129	Macrouridae	2
129	*Zaniolepis* spp.	2
129	*Bathylagus pacificus*	2
129	*Macroramphosus gracilis*	2
135	Scorpaenidae	1
135	*Ophiodon elongatus*	1
135	*Sarda chiliensis*	1
135	*Anotopterus pharao*	1
135	*Hypsopsetta guttulata*	1
135	*Mugil* spp.	1
135	*Aulopus* spp.	1
135	Antennariidae	1
135	Hexagrammidae	1
135	Gobiesocidae	1
135	Uranoscopidae	1
135	*Scomberomorus* spp.	1

TABLE 2. (cont.)

Rank	Taxon	Occurrences
135	Hemiramphidae	1
135	***Albula vulpes***	1
135	Atherinidae	1

TABLE 3. Pooled numbers of fish larvae taken during CalCOFI cruises in 1957. Counts are adjusted for percent of sample sorted and standard haul factor (see text).

Rank	Taxon	Count
1	*Engraulis mordax*	149085
2	*Merluccius productus*	74129
3	*Vinciguerria lucetia*	57203
4	*Sebastes* spp.	35708
5	*Leuroglossus stilbius*	29880
6	*Trachurus symmetricus*	20038
7	*Stenobrachius leucopsarus*	17549
8	*Triphoturus mexicanus*	16124
9	*Diogenichthys laternatus*	12002
10	*Sardinops sagax*	9787
11	*Bathylagus wesethi*	6447
12	*Citharichthys xanthostigma*	5491
13	*Citharichthys fragilis*	5042
14	*Cyclothone* spp.	2879
15	*Lampanyctus ritteri*	2789
16	*Prionotus* spp.	2731
17	*Ceratoscopelus townsendi*	2692
18	*Citharichthys* spp.	2660
19	*Synodus* spp.	2344
20	*Citharichthys stigmaeus*	2050
21	*Scomber japonicus*	1830
22	*Symphurus* spp.	1623
23	*Symbolophorus californiensis*	1619
24	*Tarletonbeania crenularis*	1571
25	*Argentina sialis*	1404
26	*Protomyctophum crockeri*	1399
27	Unidentified fish larva	1256
28	*Melamphaes* spp.	1145
29	Disintegrated fish larva	1108
30	*Bathylagus ochotensis*	1078
31	Sciaenidae	1037
32	Labridae	1000
33	Myctophidae	980
34	*Lyopsetta exilis*	977
35	*Scorpaena* spp.	922
36	Ophidiiformes	834
37	*Lampanyctus* spp.	824
38	*Icichthys lockingtoni*	79[illegible]
39	*Peprilus simillimus*	792
40	*Diogenichthys atlanticus*	779
41	Gobiidae	777
42	*Tetragonurus cuvieri*	708
43	*Bregmaceros* spp.	677
44	*Hygophum atratum*	642
45	*Diaphus* spp.	640
46	*Ophidion scrippsae*	575
47	*Gonichthys tenuiculus*	469

TABLE 3. (cont.)

Rank	Taxon	Count
48	*Citharichthys sordidus*	456
49	Paralepididae	433
50	*Parophrys vetulus*	357
51	*Lampadena urophaos*	349
52	*Nansenia crassa*	344
53	Trichiuridae	330
54	*Etrumeus acuminatus*	316
55	*Auxis* spp.	309
56	*Pleuronichthys verticalis*	307
57	*Seriola lalandi*	306
58	Haemulidae	303
59	*Stomias atriventer*	289
60	*Paralichthys californicus*	287
61	Cottidae	277
62	Sternoptychidae	267
62	Serranidae	267
64	*Hippoglossina stomata*	242
65	*Diogenichthys* spp.	239
66	*Opisthonema* spp.	234
67	Chiasmodontidae	232
68	Scopelarchidae	218
69	*Chauliodus macouni*	195
70	*Hygophum* spp.	182
71	Pomacentridae	177
72	*Microstomus pacificus*	167
73	*Caulolatilus princeps*	165
74	*Hypsoblennius* spp.	164
74	*Notoscopelus resplendens*	164
76	*Sphyraena argentea*	154
77	Clinidae	142
78	*Pleuronichthys* spp.	135
79	*Lampanyctus regalis*	132
80	Nomeidae	131
81	Anguilliformes	126
82	*Myctophum nitidulum*	125
83	Gerreidae	120
84	*Etropus* spp.	113
85	*Coryphaena hippurus*	102
86	*Syacium ovale*	100
87	Trachipteridae	98
88	*Scopelogadus bispinosus*	94
89	*Hygophum reinhardtii*	90
90	*Idiacanthus antrostomus*	87
91	*Poromitra* spp.	80
91	*Brosmophycis marginata*	80
93	*Ichthyococcus* spp.	69
94	Agonidae	68
95	Carangidae	65
96	Scombridae	60

TABLE 3. (cont.)

Rank	Taxon	Count
97	*Glyptocephalus zachirus*	59
97	*Tactostoma macropus*	59
99	*Psettichthys melanostictus*	58
100	Ceratioidei	57
101	*Microstoma microstoma*	56
102	*Medialuna californiensis*	54
103	*Nansenia candida*	52
104	*Chromis punctipinnis*	50
105	*Brama* spp.	48
106	*Physiculus* spp.	47
107	Cyclopteridae	44
108	*Cololabis saira*	41
109	*Aristostomias scintillans*	40
110	*Xystreurys liolepis*	39
111	*Scorpaenichthys marmoratus*	36
112	*Myctophum aurolaternatum*	34
112	*Pleuronichthys decurrens*	34
114	Pleuronectiformes	31
114	*Pleuronichthys coenosus*	31
116	*Chilara taylori*	30
116	Moridae	30
118	*Loweina rara*	27
119	Exocoetidae	21
120	*Bothus* spp.	19
121	*Syngnathus* spp.	17
121	*Bathophilus* spp.	17
123	*Bathylagus* spp.	16
124	*Oxylebius pictus*	14
124	Hexagrammidae	14
124	*Sebastolobus* spp.	14
127	*Pleuronichthys ritteri*	13
128	*Girella nigricans*	11
128	*Albula vulpes*	11
130	*Macroramphosus gracilis*	10
130	Stomiiformes	10
132	Macrouridae	8
132	*Bathylagus pacificus*	8
134	*Sarda chiliensis*	7
134	Scorpaenidae	7
134	*Aulopus* spp.	7
134	*Diplophos taenia*	7
138	Blennioidei	6
139	*Ophiodon elongatus*	5
139	*Zaniolepis* spp.	5
139	Uranoscopidae	5
142	*Scomberomorus* spp.	3
142	Hemiramphidae	3
142	Atherinidae	3
142	Gobiesocidae	3

TABLE 3. (cont.)

Rank	Taxon	Count
142	*Hypsopsetta guttulata*	3
142	*Anotopterus pharao*	3
142	Antennariidae	3
149	*Mugil* spp.	2
	Total	495070

TABLE 4. Numbers of fish larvae taken on stations occupied during CalCOFI cruises in 1957. 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.

Albula vulpes

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	-	-

Anguilliformes

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	55.0	-	-	-	0.0	0.0	0.0	3.2	-	-	-	-	-
115.0	40.0	-	-	-	-	-	-	-	0.0	3.2	-	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	0.0	-	-
120.0	55.0	0.0	0.0	-	0.0	2.8	0.0	0.0	-	-	-	-	-
120.0	60.0	2.6	3.2	0.0	0.0	0.0	0.0	0.0	-	-	3.0	-	-
127.0	34.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	30.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	-	-	0.0	-	-
130.0	55.0	-	-	-	0.0	-	3.0	0.0	-	-	-	-	-
133.0	35.0	2.8	-	3.2	0.0	-	0.0	3.4	-	-	0.0	-	-
133.0	40.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
133.0	50.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.1	-	-
133.0	70.0	-	-	-	0.0	-	-	3.2	-	-	0.0	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	3.3	0.0	-	-
137.0	35.0	0.0	0.0	0.0	-	-	0.0	0.0	-	-	7.3	-	-
137.0	40.0	-	0.0	5.8	0.0	-	0.0	0.0	-	-	6.3	-	-
137.0	50.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.9	-	-
140.0	40.0	-	0.0	3.2	0.0	-	0.0	-	-	-	-	-	-
140.0	45.0	-	-	-	2.3	-	-	-	-	-	-	-	-
143.0	50.0	-	0.0	0.0	-	-	3.5	-	-	-	-	-	-
147.0	30.0	-	0.0	0.0	3.0	-	-	-	-	-	-	-	-
147.0	45.0	-	-	-	2.6	-	-	-	-	-	-	-	-
153.0	16.0	-	0.0	-	0.0	-	6.0	-	-	-	-	-	-
153.0	30.0	-	0.0	-	3.1	-	0.0	-	-	-	-	-	-
157.0	15.0	-	-	-	2.8	-	0.0	-	-	-	-	-	-
157.0	20.0	-	0.0	-	0.0	-	5.6	-	-	-	-	-	-

Etrumeus acuminatus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	24.2	0.0	-	-	-
118.5	30.0	-	-	-	-	-	-	-	0.0	7.5	-	-	-
118.5	35.0	-	-	-	-	-	-	-	3.1	-	-	-	-
119.0	33.0	-	-	0.0	0.0	0.0	0.0	0.0	17.4	6.0	2.6	-	-

TABLE 4. (cont.)

Etrumeus acuminatus (cont.)

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	0.0	5.9	0.0	0.0	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	6.2	0.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	6.0	0.0	–	–
120.0	40.0	0.0	0.0	0.0	–	0.0	0.0	0.0	10.1	3.0	5.0	–	–
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	8.2	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.0	0.0	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4	0.0	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.4	0.0	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	32.2	32.7	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	0.0	0.0	0.0	–	–
137.0	35.0	0.0	0.0	0.0	–	–	0.0	3.6	–	–	0.0	–	–
153.0	16.0	–	0.0	–	0.0	–	6.0	–	–	–	–	–	–

Opisthonema spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	204.1	0.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.2	0.0	0.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	–	–

Sardinops sagax

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	80.0	–	–	–	–	0.0	0.0	3.2	–	–	–	–	–
70.0	70.0	–	–	–	–	0.0	0.0	4.2	–	–	–	0.0	–
73.0	70.0	–	–	–	–	0.0	52.7	0.0	–	–	–	–	–
73.0	80.0	–	–	–	–	0.0	6.2	–	–	–	–	–	–
77.0	55.0	–	–	–	–	0.0	9.0	0.0	–	–	–	–	–
77.0	60.0	–	–	–	–	0.0	19.2	0.0	–	–	–	–	–
80.0	60.0	–	0.0	0.0	0.0	0.0	16.6	0.0	–	–	0.0	0.0	0.0
80.0	80.0	–	0.0	0.0	0.0	0.0	6.4	0.0	–	–	–	–	0.0
82.0	47.0	–	0.0	0.0	0.0	0.0	0.0	47.5	–	–	0.0	0.0	–
83.0	51.0	–	0.0	–	0.0	3.5	0.0	0.0	–	–	0.0	0.0	–
83.0	55.0	–	–	–	–	0.0	0.0	0.0	–	–	–	218.5	–
83.0	85.0	–	–	–	–	–	2.9	0.0	–	–	–	–	–
87.0	90.0	–	–	–	0.0	0.0	3.0	0.0	–	–	0.0	–	0.0
90.0	45.0	–	0.0	0.0	65.8	0.0	0.0	0.0	–	–	0.0	0.0	0.0
90.0	50.0	–	–	–	–	8.3	0.0	0.0	–	–	0.0	0.0	0.0
90.0	55.0	–	0.0	0.0	0.0	716.7	0.0	0.0	–	–	–	0.0	0.0
90.0	60.0	–	0.0	0.0	0.0	82.1	0.0	0.0	–	–	0.0	0.0	0.0
90.0	65.0	–	–	–	–	0.0	3.1	0.0	–	–	–	–	–
93.0	45.0	–	–	–	259.6	0.0	0.0	0.0	–	–	–	0.0	–
93.0	50.0	–	0.0	0.0	44.8	0.0	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.
93.0	55.0	-	-	-	0.0	40.6	16.4	0.0	-	-	-	0.0	-
93.0	60.0	-	0.0	0.0	0.0	463.5	7.4	0.0	-	-	-	0.0	-
93.0	65.0	-	-	-	-	10.2	3.7	0.0	-	-	-	-	-
93.0	70.0	-	0.0	0.0	0.0	10.8	0.0	0.0	-	-	-	0.0	-
97.0	30.0	-	0.0	0.0	0.0	196.2	0.0	2.0	-	-	-	0.0	-
97.0	32.0	-	0.0	-	0.0	12.8	0.0	0.0	-	-	-	0.0	0.0
97.0	55.0	-	-	-	-	0.0	6.6	0.0	-	-	-	0.0	-
97.0	60.0	-	0.0	-	0.0	0.0	3.0	0.0	-	-	-	0.0	-
100.0	33.0	-	0.0	0.0	5.2	25.6	32.9	-	-	-	-	-	-
100.0	55.0	-	-	-	0.0	0.0	3.3	0.0	-	-	-	-	-
100.0	70.0	-	0.0	-	0.0	0.0	2.8	-	-	-	-	0.0	-
103.0	30.0	0.0	27.2	105.5	35.8	0.0	0.0	48.9	-	-	-	0.0	-
103.0	35.0	0.0	27.7	29.0	0.0	0.0	2.9	0.0	-	-	-	0.0	-
103.0	60.0	0.0	0.0	-	0.0	0.0	3.4	0.0	-	-	-	0.0	-
107.0	32.0	0.0	-	116.2	0.0	0.0	-	0.0	-	-	-	-	-
107.0	35.0	0.0	-	3.2	3.3	0.0	0.0	0.0	-	-	0.0	-	-
110.0	33.0	-	10.4	0.0	0.0	0.0	0.0	-	1.7	2.4	0.0	-	-
110.0	40.0	0.0	8.4	3.3	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	45.0	-	-	-	0.0	0.0	12.1	-	0.0	-	-	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	55.9	5.4	23.7	2.8	-	-
113.0	35.0	0.0	0.0	25.4	0.0	0.0	0.0	4.0	2.7	6.3	0.0	-	-
113.0	40.0	0.0	12.6	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
115.0	27.0	-	-	-	-	-	-	-	199.4	0.0	-	-	-
115.0	30.0	-	-	-	-	-	-	-	0.0	3.1	-	-	-
117.0	26.0	2.6	37.8	0.0	0.0	0.0	0.0	20.4	254.0	8.0	120.4	-	-
117.0	30.0	42.2	202.3	249.5	0.0	0.0	0.0	0.0	20.5	0.0	0.0	-	-
117.0	35.0	0.0	0.0	317.4	0.0	0.0	0.0	3.8	9.6	6.0	4.8	-	-
117.0	40.0	21.4	0.0	14.9	0.0	0.0	0.0	3.3	0.0	49.5	0.0	-	-
117.0	45.0	-	-	-	0.0	137.4	16.6	0.0	-	-	-	-	-
117.0	50.0	0.0	0.0	6.2	0.0	14.0	0.0	0.0	-	-	0.0	-	-
117.0	60.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	-	-	0.0	-	-
117.0	70.0	0.0	0.0	3.2	2.7	0.0	0.0	0.0	-	-	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	42.3	40.6	-	-	-
118.5	30.0	-	-	-	-	-	-	-	0.0	393.8	-	-	-
118.5	35.0	-	-	-	-	-	-	-	215.3	-	-	-	-
119.0	33.0	-	-	13.0	0.0	0.0	0.0	20.6	37.7	83.4	52.0	-	-
120.0	25.0	0.0	11.9	23.8	0.0	0.0	0.0	703.9	230.9	22.2	47.9	-	-
120.0	30.0	64.0	11.7	0.0	0.0	0.0	0.0	410.2	23.4	27.8	42.2	-	-
120.0	35.0	37.3	4.9	0.0	0.0	0.0	3.4	51.7	76.7	92.7	18.2	-	-
120.0	40.0	7.5	16.4	0.0	-	0.0	1.8	60.5	136.0	247.8	0.0	-	-
120.0	45.0	8.3	2.8	-	-	0.0	0.0	0.0	2.9	8.5	0.0	-	-
120.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	-	-
123.0	37.0	2.5	13.6	0.0	0.0	0.0	0.0	0.0	36.5	20.2	29.9	-	-
123.0	42.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	45.0	-	-	-	-	-	-	-	3.0	0.0	-	-	-
123.0	55.0	-	9.1	0.0	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.
123.0	60.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	3.1	–	–
127.0	34.0	280.6	57.9	0.0	0.0	5.8	0.0	0.0	184.3	0.0	0.0	–	–
127.0	40.0	267.5	0.0	30.0	0.0	0.0	0.0	0.0	26.9	0.0	3.8	–	–
127.0	45.0	–	0.0	98.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	50.0	0.0	0.0	37.8	0.0	–	0.0	0.0	–	–	0.0	–	–
127.0	55.0	–	0.0	13.5	0.0	–	0.0	0.0	–	–	–	–	–
130.0	30.0	0.0	6.4	10.7	0.0	0.0	0.0	0.0	5.4	0.0	0.0	–	–
130.0	35.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	40.0	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	45.0	–	–	–	–	–	0.0	3.0	0.0	0.0	–	–	–
133.0	30.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	–	–
133.0	35.0	0.0	–	3.2	0.0	–	0.0	0.0	–	–	0.0	–	–
137.0	23.0	2.4	76.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
140.0	35.0	–	14.6	13.8	0.0	–	0.0	–	–	–	–	–	–
140.0	40.0	–	8.6	0.0	0.0	–	0.0	–	–	–	–	–	–
143.0	50.0	–	0.0	3.1	–	–	0.0	–	–	–	–	–	–
147.0	20.0	–	46.3	0.0	0.0	–	–	–	–	–	–	–	–
147.0	25.0	–	58.1	0.0	0.0	–	–	–	–	–	–	–	–
148.0	20.0	–	–	–	–	–	23.3	–	–	–	–	–	–
148.0	25.0	–	–	–	–	–	18.3	–	–	–	–	–	–
148.0	30.0	–	–	–	–	–	6.9	–	–	–	–	–	–
150.0	25.0	–	221.8	0.0	0.0	–	–	–	–	–	–	–	–
150.0	30.0	–	–	7.6	0.0	–	–	–	–	–	–	–	–
150.0	40.0	–	0.0	6.3	0.0	–	–	–	–	–	–	–	–

Engraulis mordax

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	55.0	–	–	–	–	4.8	0.0	0.0	–	–	–	–	–
63.0	52.0	–	–	–	–	4.4	0.0	0.0	–	–	–	–	–
63.0	60.0	–	–	–	–	0.0	13.0	0.0	–	–	–	–	–
63.0	70.0	–	–	–	–	0.0	0.0	3.8	–	–	–	–	–
67.0	50.0	–	–	–	–	0.0	3.3	–	–	–	–	–	–
70.0	60.0	–	–	–	–	0.0	6.3	0.0	–	–	–	0.0	–
70.0	70.0	–	–	–	–	0.0	0.0	4.2	–	–	–	0.0	–
70.0	80.0	–	–	–	–	0.0	25.5	–	–	–	–	0.0	–
73.0	50.0	–	–	–	–	0.0	0.0	4.8	–	–	–	–	–
73.0	51.0	–	–	–	–	–	–	–	–	–	–	33.9	–
73.0	55.0	–	–	–	–	0.0	46.3	0.0	–	–	–	12.7	–
73.0	60.0	–	–	–	–	4.6	24.2	0.0	–	–	–	0.0	–
73.0	70.0	–	–	–	–	0.0	3.1	0.0	–	–	–	–	–
77.0	50.0	–	–	–	–	0.0	0.0	6.6	–	–	–	–	–
77.0	70.0	–	–	–	–	0.0	0.0	3.8	–	–	–	–	–
80.0	51.0	–	3027.7	3.0	0.0	0.0	25.4	78.3	–	–	13.8	–	296.0
80.0	55.0	–	23.8	0.0	0.0	0.0	0.0	588.6	–	–	0.0	593.6	57.0

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	60.0	-	64.2	0.0	0.0	0.0	0.0	206.1	-	-	2.7	70.6	66.1
80.0	70.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	5.6	3.3
80.0	90.0	-	0.0	0.0	0.0	0.0	6.0	0.0	-	-	0.0	-	0.0
82.0	47.0	-	0.0	2.8	72.9	158.4	0.0	10.6	-	-	10.5	439.9	-
83.0	40.0	-	406.0	4.1	204.9	4613.5	520.2	252.9	-	-	9.1	83.6	-
83.0	43.0	-	119.6	2.8	33.0	282.2	256.8	815.3	-	-	63.9	299.5	-
83.0	48.0	-	-	10.1	-	-	-	-	-	-	-	-	-
83.0	51.0	-	470.1	-	96.4	13.8	507.6	9.7	-	-	0.0	112.9	-
83.0	52.0	-	164.5	16.2	-	-	-	-	-	-	-	-	-
83.0	55.0	-	-	-	-	0.0	134.8	28.5	-	-	-	11.5	-
83.0	70.0	-	-	0.0	0.0	0.0	0.0	2.9	-	-	2.3	-	-
86.0	46.0	-	245.4	-	487.1	-	-	-	-	-	-	-	-
87.0	35.0	-	1377.7	-	-	-	1392.6	-	-	-	-	-	-
87.0	36.0	-	-	301.0	1246.1	2936.3	-	31.0	-	-	0.0	15.8	-
87.0	38.0	-	6084.2	-	-	-	-	-	-	-	-	-	-
87.0	40.0	-	8886.2	927.4	554.0	2111.2	258.6	-	-	-	0.0	0.0	-
87.0	45.0	-	-	68.6	-	1656.5	134.6	59.2	-	-	3.1	0.0	-
87.0	50.0	-	14.9	35.0	2449.3	43.9	346.8	331.8	-	-	9.5	6.5	-
87.0	55.0	-	61.0	-	-	0.0	369.2	82.9	-	-	0.0	2.6	-
87.0	60.0	-	0.0	0.0	0.0	0.0	937.5	19.0	-	-	0.0	68.9	-
87.0	65.0	-	-	-	-	0.0	5.5	0.0	-	-	-	-	-
87.0	70.0	-	0.0	588.0	0.0	0.0	51.8	0.0	-	-	0.0	-	-
87.0	75.0	-	-	-	-	0.0	23.6	0.0	-	-	-	-	-
87.0	80.0	-	-	-	0.0	0.0	6.3	-	-	-	0.0	-	-
87.0	90.0	-	-	-	0.0	0.0	0.0	97.7	-	-	0.0	-	0.0
90.0	28.0	-	279.5	720.0	2972.0	337.7	1834.1	0.0	-	-	0.0	326.3	13.2
90.0	30.0	-	75.1	233.1	580.2	487.6	1111.1	26.2	-	-	53.8	41.2	0.0
90.0	37.0	-	42.3	878.9	905.2	298.0	2054.4	228.4	-	-	123.9	46.3	6.0
90.0	45.0	-	0.0	172.3	776.4	103.0	529.8	465.3	-	-	0.0	0.0	0.0
90.0	50.0	-	-	-	-	66.5	14.4	75.2	-	-	1.4	0.0	0.0
90.0	55.0	-	402.6	0.0	40.7	0.0	28.0	160.5	-	-	-	0.0	0.0
90.0	60.0	-	66.9	96.9	2.9	0.0	226.8	42.1	-	-	0.0	0.0	0.0
90.0	65.0	-	-	-	-	28.2	9.3	0.0	-	-	-	-	-
90.0	70.0	-	0.0	828.8	0.0	0.0	6.3	0.0	-	-	0.0	-	0.0
90.0	75.0	-	-	-	-	6.5	15.0	0.0	-	-	-	-	-
90.0	80.0	-	0.0	343.2	12.4	0.0	0.0	2.6	-	-	0.0	-	0.0
90.0	85.0	-	-	-	-	2.5	0.0	0.0	-	-	-	-	-
90.0	90.0	-	0.0	0.0	231.7	0.0	10.1	0.0	-	-	0.0	-	0.0
93.0	27.0	-	1618.7	405.5	1180.6	333.0	129.5	0.0	-	-	2.8	19.6	-
93.0	30.0	-	154.9	252.4	1418.6	1104.3	2.9	213.3	-	-	0.0	3.0	-
93.0	35.0	-	-	-	642.3	445.1	3.1	5.2	-	-	13.4	2.3	-
93.0	40.0	-	908.6	129.2	1200.0	0.0	21.6	0.0	-	-	0.0	0.0	-
93.0	45.0	-	-	-	1236.0	160.4	0.0	0.0	-	-	-	0.0	-
93.0	50.0	-	1149.5	463.5	268.6	13.7	3.4	0.0	-	-	-	0.0	-
93.0	55.0	-	-	-	192.0	0.0	101.7	0.0	-	-	-	0.0	-
93.0	60.0	-	121.0	239.8	57.0	0.0	0.0	0.0	-	-	-	2.0	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	90.0	-	-	-	19.1	0.0	0.0	0.0	-	-	-	0.0	-
97.0	30.0	-	106.8	369.4	367.2	312.2	0.0	25.9	-	-	-	42.1	-
97.0	32.0	-	164.5	-	345.3	19.1	0.0	17.4	-	-	-	22.9	66.4
97.0	35.0	-	-	-	-	-	-	-	-	-	-	14.0	-
97.0	40.0	-	142.1	316.2	12.0	0.0	0.0	414.5	-	-	-	127.4	-
97.0	45.0	-	-	-	18.4	5.2	0.0	0.0	-	-	-	3.7	-
97.0	50.0	-	0.0	34.2	-	2.9	0.0	0.0	-	-	-	0.0	-
97.0	55.0	-	-	-	-	0.0	65.8	0.0	-	-	-	2.7	-
97.0	60.0	-	337.0	-	38.4	0.0	3.0	0.0	-	-	-	0.0	-
97.0	70.0	-	5.8	-	2.8	0.0	0.0	0.0	-	-	-	0.0	-
97.0	90.0	-	-	-	23.0	0.0	0.0	0.0	-	-	-	0.0	-
100.0	29.0	-	95.4	27.9	324.9	72.3	11.9	0.0	-	-	-	0.0	-
100.0	30.0	-	-	-	-	-	-	-	-	-	-	3.2	-
100.0	32.0	-	-	-	-	-	-	5.6	-	-	-	-	-
100.0	33.0	-	291.2	123.1	193.1	792.4	0.0	-	-	-	-	-	-
100.0	35.0	-	-	-	-	-	-	-	-	-	-	6.6	-
100.0	40.0	-	1008.0	30.6	63.7	3.7	0.0	8.0	-	-	-	0.0	0.0
100.0	45.0	-	-	-	34.7	0.0	3.0	0.0	-	-	-	-	-
100.0	50.0	-	44.8	0.0	3.1	2.4	0.0	0.0	-	-	-	0.0	-
100.0	55.0	-	-	-	0.0	9.1	6.6	0.0	-	-	-	-	-
100.0	60.0	0.0	27.3	0.0	33.9	0.0	6.2	0.0	-	-	-	0.0	-
100.0	70.0	-	0.0	-	1.8	0.0	0.0	-	-	-	-	0.0	-
103.0	30.0	73.5	353.6	58.6	378.9	424.9	0.0	0.0	-	-	-	220.1	-
103.0	35.0	32.0	442.9	8.7	0.0	3.3	0.0	3.2	-	-	-	0.0	-
103.0	38.0	0.0	275.5	-	-	-	-	-	-	-	-	-	-
103.0	40.0	0.0	25.1	0.0	8.5	0.0	0.0	11.6	-	-	-	25.2	-
103.0	45.0	-	-	-	0.0	0.0	0.0	2.8	-	-	-	-	-
103.0	50.0	0.0	57.4	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0
103.0	90.0	-	-	-	3.1	0.0	0.0	-	-	-	-	-	-
107.0	32.0	384.1	-	83.0	121.2	443.5	-	3.7	-	-	-	-	-
107.0	35.0	116.0	-	0.0	234.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0	40.0	0.0	0.0	0.0	26.6	0.0	0.0	0.0	-	-	0.0	-	-
107.0	45.0	-	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-
107.0	50.0	0.0	65.3	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	0.0	0.0	3.1	0.0	-	-	-	-	-
107.0	60.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
107.0	65.0	-	-	-	-	0.0	3.3	0.0	-	-	-	-	-
110.0	33.0	-	1357.2	9.0	42.9	0.0	3.2	-	150.8	2.4	3.0	-	-
110.0	35.0	-	370.8	105.3	125.6	0.0	15.5	-	38.2	3.5	0.0	-	-
110.0	40.0	2.9	334.8	3.3	176.5	23.4	0.0	-	0.0	0.0	0.0	-	-
110.0	45.0	-	-	-	3.0	9.2	0.0	-	0.0	-	-	-	-
110.0	50.0	0.0	5.3	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
110.0	60.0	0.0	0.0	0.0	0.0	9.1	0.0	-	0.0	-	0.0	-	-
110.0	65.0	-	-	-	-	10.6	0.0	-	0.0	-	-	-	-
110.0	70.0	-	0.0	0.0	0.0	21.2	0.0	-	0.0	-	0.0	-	0.0
110.0	75.0	-	-	-	-	40.5	55.1	-	0.0	-	-	-	-

TABLE 4. (cont.)

Engraulis mordax (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	80.0	–	0.0	–	0.0	0.0	11.8	–	0.0	–	0.0	–	–
113.0	30.0	306.3	271.4	87.3	232.2	0.0	7.2	24.8	248.4	0.0	2.8	–	–
113.0	35.0	38.1	325.0	190.2	11.9	186.0	2.7	335.8	138.3	3.1	0.0	–	–
113.0	40.0	2.6	252.0	28.0	0.0	908.9	6.1	3.2	0.0	0.0	0.0	–	–
113.0	45.0	–	–	–	0.0	2.7	3.2	0.0	–	–	–	–	–
113.0	50.0	0.0	0.0	3.3	0.0	39.8	19.7	0.0	–	–	0.0	–	–
113.0	55.0	–	–	–	0.0	0.0	14.4	0.0	–	–	–	–	–
113.0	60.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	–	–	0.0	–	–
113.0	65.0	–	–	–	–	16.3	4.8	0.0	–	–	–	–	–
113.0	75.0	–	–	–	–	2.6	0.0	0.0	–	–	–	–	–
115.0	27.0	–	–	–	–	–	–	–	63.6	0.0	–	–	–
115.0	30.0	–	–	–	–	–	–	–	50.7	0.0	–	–	–
115.0	35.0	–	–	–	–	–	–	–	0.0	5.8	–	–	–
117.0	26.0	1594.4	1170.6	0.0	36.8	30.1	144.0	6.8	38.0	0.0	33.1	–	–
117.0	30.0	2735.0	2730.5	160.2	19.2	51.3	237.3	7.3	641.7	0.0	2.3	–	–
117.0	35.0	256.3	149.0	1366.2	0.0	4.1	46.5	11.4	96.0	3.0	0.0	–	–
117.0	40.0	1003.9	27.7	68.5	0.0	8.2	180.9	53.6	5.5	13.2	0.0	–	–
117.0	45.0	–	–	–	0.0	0.0	3.8	0.0	–	–	–	–	–
117.0	50.0	142.6	45.0	87.4	0.0	22.4	3.1	3.3	–	–	0.0	–	–
117.0	55.0	–	–	–	0.0	522.9	7.7	0.0	–	–	–	–	–
117.0	60.0	29.7	0.0	12.3	21.0	6.2	2.5	0.0	–	–	0.0	–	–
117.0	65.0	–	–	–	–	0.0	11.9	0.0	–	–	–	–	–
117.0	70.0	0.0	0.0	6.4	0.0	0.0	2.5	0.0	–	–	0.0	–	–
118.0	39.0	–	–	239.0	0.0	36.2	14.5	0.0	–	–	0.0	–	–
118.5	25.0	–	–	–	–	–	–	–	12.1	0.0	–	–	–
118.5	30.0	–	–	–	–	–	–	–	3.2	3.8	–	–	–
119.0	33.0	–	–	375.8	0.0	257.3	84.9	78.9	0.0	0.0	0.0	–	–
120.0	25.0	63.6	542.4	1811.8	17.1	25.9	723.2	0.0	26.6	0.0	0.0	–	–
120.0	30.0	339.5	1511.9	156.5	2.1	156.2	488.4	494.2	10.0	0.0	0.0	–	–
120.0	35.0	7.0	38.9	0.0	22.8	0.0	2972.0	218.1	21.3	0.0	0.0	–	–
120.0	40.0	12.5	42.3	0.0	–	10.6	8.9	162.5	24.4	0.0	0.0	–	–
120.0	45.0	22.2	127.4	–	–	20.2	6.4	0.0	2.9	0.0	0.0	–	–
120.0	50.0	0.0	0.0	–	23.1	52.0	2.5	0.0	–	–	0.0	–	–
120.0	55.0	5.6	0.0	–	0.0	8.4	0.0	3.3	–	–	–	–	–
120.0	60.0	18.5	0.0	11.4	0.0	139.7	0.0	0.0	–	–	0.0	–	–
120.0	65.0	–	–	–	–	278.8	10.3	0.0	–	–	–	–	–
120.0	70.0	0.0	0.0	0.0	0.0	5.9	11.5	6.7	–	–	0.0	–	–
120.0	75.0	–	–	–	–	0.0	0.0	3.4	–	–	–	–	–
123.0	37.0	125.5	119.0	6.5	0.0	49.0	6.5	5.8	0.0	0.0	0.0	–	–
123.0	42.0	22.2	58.7	0.0	17.3	27.0	0.0	3.1	0.0	0.0	0.0	–	–
123.0	50.0	2.8	33.3	0.0	0.0	–	0.0	81.5	–	–	0.0	–	–
123.0	55.0	–	154.4	0.0	0.0	–	0.0	6.2	–	–	–	–	–
123.0	60.0	0.0	4.4	0.0	0.0	–	0.0	0.0	–	–	0.0	–	–
123.0	70.0	–	–	–	2.1	–	–	0.0	–	–	0.0	–	–
127.0	34.0	810.1	94.7	112.8	11.4	14.6	0.0	0.0	0.0	0.0	0.0	–	–
127.0	40.0	600.6	28.2	112.5	0.0	0.0	0.0	0.0	3.4	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	45.0	–	602.4	241.1	24.3	0.0	0.0	0.0	2.8	0.0	0.0	–	–
127.0	50.0	0.0	0.0	81.9	10.6	–	0.0	0.0	–	–	0.0	–	–
127.0	55.0	–	3.5	0.0	0.0	–	0.0	0.0	–	–	–	–	–
127.0	60.0	0.0	5.3	0.0	0.0	–	0.0	0.0	–	–	0.0	–	–
130.0	30.0	100.4	1945.6	42.7	0.0	47.0	2.6	0.0	0.0	0.0	0.0	–	–
130.0	35.0	58.1	453.4	0.0	29.4	0.0	12.4	574.1	0.0	0.0	0.0	–	–
130.0	40.0	369.9	80.9	2.7	0.0	4.4	31.3	1511.4	0.0	0.0	0.0	–	–
130.0	45.0	–	–	–	–	–	0.0	47.2	0.0	0.0	–	–	–
130.0	50.0	5.7	6.0	6.8	0.0	0.0	0.0	12.3	–	–	0.0	–	–
133.0	25.0	1212.4	6877.9	102.4	0.0	111.8	1612.8	0.0	0.0	0.0	0.0	–	–
133.0	30.0	0.0	1469.4	152.9	19.4	95.1	54.6	0.0	0.0	0.0	0.0	–	–
133.0	35.0	0.0	–	74.1	14.9	–	85.7	3.4	–	–	0.0	–	–
133.0	40.0	0.0	0.0	5.7	106.9	2.7	39.9	85.8	–	–	0.0	–	–
133.0	50.0	–	3.2	0.0	0.0	9.4	0.0	466.4	–	–	0.0	–	–
137.0	23.0	0.0	25.6	11.4	46.2	123.6	126.8	0.0	0.0	0.0	21.8	–	–
137.0	30.0	5.7	10.0	5.6	0.0	97.7	0.0	0.0	0.0	0.0	0.0	–	–
137.0	35.0	0.0	206.6	554.8	–	–	0.0	0.0	–	–	0.0	–	–
137.0	40.0	–	17.6	232.8	57.1	–	0.0	0.0	–	–	0.0	–	–
137.0	45.0	–	–	–	23.9	–	2.1	3.3	–	–	–	–	–
137.0	50.0	–	2.4	3.2	0.0	0.0	0.0	0.0	–	–	0.0	–	–
140.0	30.0	–	0.0	18.9	0.0	–	0.0	–	–	–	–	–	–
140.0	35.0	–	3.7	41.3	0.0	–	0.0	–	–	–	–	–	–
140.0	40.0	–	5.7	0.0	0.0	–	0.0	–	–	–	–	–	–
140.0	50.0	–	3.4	0.0	10.0	–	0.0	–	–	–	–	–	–
143.0	26.0	–	0.0	5.9	5.2	–	–	–	–	–	–	–	–
143.0	30.0	–	0.0	3.3	0.0	–	0.0	–	–	–	–	–	–
143.0	35.0	–	0.0	9.8	0.0	–	0.0	–	–	–	–	–	–
143.0	40.0	–	0.0	0.0	0.0	–	3.8	–	–	–	–	–	–
147.0	20.0	–	0.0	0.0	3.0	–	–	–	–	–	–	–	–
153.0	30.0	–	3.0	–	0.0	–	0.0	–	–	–	–	–	–

Argentina sialis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	35.0	–	5.3	–	–	–	0.0	–	–	–	–	–	–
87.0	40.0	–	0.0	11.0	0.0	0.0	0.0	–	–	–	0.0	0.0	–
90.0	28.0	–	0.0	2.3	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
97.0	30.0	–	2.7	0.0	0.0	0.0	0.0	0.0	–	–	–	0.0	–
107.0	32.0	0.0	–	0.0	6.4	9.2	–	0.0	–	–	–	–	–
107.0	35.0	0.0	–	0.0	3.3	0.0	0.0	0.0	–	–	0.0	–	–
110.0	33.0	–	0.0	0.0	0.0	0.0	0.0	–	1.4	0.0	0.0	–	–
110.0	35.0	–	0.0	0.0	0.0	0.0	0.0	–	1.5	0.0	0.0	–	–
113.0	30.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
113.0	35.0	0.0	25.0	0.0	0.0	0.0	0.0	11.9	0.0	0.0	0.0	–	–
113.0	60.0	0.0	0.0	3.2	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.
117.0	26.0	0.0	66.1	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	30.0	52.8	370.8	3.1	38.4	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	35.0	160.2	124.2	13.8	3.8	0.0	7.4	0.0	6.4	0.0	0.0	–	–
117.0	40.0	21.4	0.0	11.9	0.0	0.0	0.0	0.0	0.0	3.3	0.0	–	–
117.0	50.0	2.6	0.0	12.5	0.0	0.0	0.0	0.0	–	–	0.0	–	–
117.0	60.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	–	–	0.0	–	–
117.0	65.0	–	–	–	–	10.4	0.0	0.0	–	–	–	–	–
117.0	70.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	–	–	0.0	–	–
118.0	39.0	–	–	57.4	6.5	3.0	0.0	0.0	–	–	0.0	–	–
119.0	33.0	–	–	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	25.0	0.0	23.8	11.9	0.0	0.0	2.5	0.0	0.0	0.0	0.0	–	–
120.0	30.0	0.0	117.2	72.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	35.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	45.0	13.9	0.0	–	–	5.1	0.0	0.0	0.0	0.0	0.0	–	–
120.0	50.0	5.4	0.0	–	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	60.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	70.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	37.0	0.0	1.7	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	–	–
123.0	42.0	0.0	0.0	12.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	–	–
127.0	34.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	30.0	0.0	0.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	25.0	0.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
137.0	30.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

Microstoma microstoma

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	90.0	–	–	–	–	–	3.4	–	–	–	–	–	–
87.0	50.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	3.2	–
90.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	3.1
90.0	85.0	–	–	–	–	0.0	3.3	0.0	–	–	–	–	–
90.0	90.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	3.3
93.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.8	0.0	–
97.0	32.0	–	0.0	–	5.7	0.0	0.0	0.0	–	–	–	0.0	0.0
97.0	70.0	–	0.0	–	0.0	0.0	0.0	0.0	–	–	–	2.1	–
97.0	75.0	–	–	–	–	3.3	0.0	0.0	–	–	–	–	–
100.0	50.0	–	0.0	0.0	0.0	0.0	3.0	0.0	–	–	–	0.0	–
103.0	40.0	0.0	0.0	0.0	2.8	6.9	0.0	0.0	–	–	–	0.0	–
107.0	40.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	–	–	0.0	–	–
107.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.3	–	–
115.0	35.0	–	–	–	–	–	–	–	0.0	2.9	–	–	–
115.0	40.0	–	–	–	–	–	–	–	0.0	3.2	–	–	–

TABLE 4. (cont.)

Nansenia candida

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	90.0	–	–	–	–	–	3.2	–	–	–	–	–	–
77.0	80.0	–	–	–	–	0.0	0.0	3.7	–	–	–	–	–
83.0	65.0	–	–	–	–	–	3.2	0.0	–	–	–	–	–
83.0	85.0	–	–	–	–	–	2.9	0.0	–	–	–	–	–
83.0	90.0	–	–	–	0.0	6.6	0.0	–	–	–	0.0	–	0.0
90.0	60.0	–	0.0	0.0	0.0	27.4	0.0	0.0	–	–	0.0	0.0	0.0
103.0	65.0	–	–	–	–	5.3	0.0	0.0	–	–	–	–	–

Nansenia crassa

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	32.0	–	0.0	–	0.0	0.0	3.0	0.0	–	–	–	0.0	0.0
100.0	50.0	–	0.0	0.0	0.0	0.0	0.0	2.8	–	–	–	0.0	–
100.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	–	–	–	0.0	–
100.0	80.0	–	0.0	–	3.4	0.0	0.0	–	–	–	–	0.0	–
103.0	40.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	–	–	–	0.0	–
107.0	40.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	–	–	0.0	–	–
107.0	45.0	–	–	–	0.0	3.0	0.0	0.0	–	–	–	–	–
107.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	3.7
107.0	65.0	–	–	–	–	6.0	0.0	0.0	–	–	–	–	–
107.0	70.0	–	0.0	6.2	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	45.0	–	–	–	0.0	3.1	0.0	–	3.2	–	–	–	–
110.0	55.0	–	–	–	3.0	0.0	0.0	–	3.3	–	–	–	–
110.0	60.0	0.0	0.0	2.8	0.0	0.0	3.0	–	0.0	–	0.0	–	–
110.0	70.0	–	0.0	3.1	0.0	2.7	3.5	–	0.0	–	0.0	–	0.0
110.0	80.0	–	5.1	–	0.0	0.0	0.0	–	0.0	–	0.0	–	–
110.0	85.0	–	–	–	–	0.0	0.0	–	3.3	–	–	–	–
113.0	30.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
113.0	35.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–
113.0	45.0	–	–	–	0.0	2.7	0.0	0.0	–	–	–	–	–
113.0	60.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	–	–	0.0	–	–
113.0	65.0	–	–	–	–	2.7	0.0	0.0	–	–	–	–	–
113.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–
120.0	45.0	0.0	5.5	–	–	2.5	3.2	0.0	8.8	0.0	0.0	–	–
120.0	60.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	80.0	–	4.9	0.0	3.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	42.0	5.5	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	–	–
123.0	60.0	5.4	0.0	5.7	0.0	–	0.0	0.0	–	–	3.1	–	–
127.0	34.0	0.0	2.6	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	40.0	5.5	14.1	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.8	–	–
127.0	45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	–	–
127.0	50.0	10.5	10.6	0.0	0.0	–	0.0	0.0	–	–	0.0	–	–
127.0	60.0	2.8	5.3	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.
130.0	35.0	5.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	40.0	34.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	50.0	2.8	0.0	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
130.0	60.0	8.6	0.0	3.0	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	0.0	–	–
133.0	40.0	0.0	0.0	2.9	0.0	2.7	0.0	3.4	–	–	0.0	–	–
133.0	50.0	–	3.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	70.0	–	–	–	0.0	–	–	0.0	–	–	2.8	–	–
137.0	40.0	–	0.0	2.9	0.0	–	2.5	0.0	–	–	0.0	–	–
137.0	70.0	–	–	–	0.0	–	–	0.0	–	–	3.3	–	–
140.0	50.0	–	3.4	0.0	0.0	–	0.0	–	–	–	–	–	–
143.0	40.0	–	0.0	12.3	0.0	–	0.0	–	–	–	–	–	–
143.0	50.0	–	3.0	0.0	–	–	0.0	–	–	–	–	–	–
153.0	55.0	–	–	–	2.5	–	–	–	–	–	–	–	–

Bathylagus 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	0.0	2.6	–	–	0.0	–	0.0
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	–	–
137.0	35.0	0.0	0.0	0.0	–	–	0.0	3.6	–	–	0.0	–	–
153.0	16.0	–	0.0	–	2.5	–	0.0	–	–	–	–	–	–

Bathylagus ochotensis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	55.0	–	–	–	–	9.7	0.0	0.0	–	–	–	–	–
60.0	70.0	–	–	–	–	67.8	0.0	0.0	–	–	–	–	–
60.0	80.0	–	–	–	–	25.1	11.6	–	–	–	–	–	–
63.0	60.0	–	–	–	–	6.6	0.0	0.0	–	–	–	–	–
63.0	70.0	–	–	–	–	3.6	6.7	0.0	–	–	–	–	–
63.0	80.0	–	–	–	–	3.9	0.0	0.0	–	–	–	–	–
63.0	90.0	–	–	–	–	–	3.6	–	–	–	–	–	–
67.0	55.0	–	–	–	–	6.9	6.4	0.0	–	–	–	–	–
67.0	60.0	–	–	–	–	17.6	0.0	0.0	–	–	–	–	–
67.0	70.0	–	–	–	–	24.7	0.0	0.0	–	–	–	–	–
67.0	80.0	–	–	–	–	4.0	0.0	0.0	–	–	–	–	–
70.0	52.0	–	–	–	–	7.0	0.0	0.0	–	–	–	–	–
70.0	60.0	–	–	–	–	17.2	6.3	0.0	–	–	–	0.0	–
70.0	70.0	–	–	–	–	4.4	0.0	0.0	–	–	–	0.0	–
70.0	90.0	–	–	–	–	0.0	5.5	–	–	–	–	–	–
73.0	60.0	–	–	–	–	0.0	12.1	0.0	–	–	–	0.0	–
77.0	50.0	–	–	–	–	0.0	6.1	0.0	–	–	–	–	–
77.0	60.0	–	–	–	–	16.1	6.4	0.0	–	–	–	–	–

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	70.0	-	-	-	-	29.7	11.5	0.0	-	-	-	-	-
80.0	55.0	-	0.0	0.0	7.4	0.0	0.0	0.0	-	-	0.0	0.0	0.0
80.0	60.0	-	3.4	0.0	9.7	0.0	0.0	0.0	-	-	2.7	0.0	0.0
80.0	70.0	-	21.8	0.0	0.0	28.6	0.0	0.0	-	-	0.0	0.0	0.0
80.0	80.0	-	5.9	11.6	0.0	0.0	0.0	0.0	-	-	-	-	0.0
80.0	90.0	-	0.0	5.9	5.8	7.3	0.0	0.0	-	-	0.0	-	0.0
82.0	47.0	-	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	10.1	0.0	0.0	-	-	0.0	0.0	-
83.0	48.0	-	-	2.5	-	-	-	-	-	-	-	-	-
83.0	52.0	-	0.0	2.7	-	-	-	-	-	-	-	-	-
83.0	60.0	-	9.4	23.5	14.9	0.0	0.0	0.0	-	-	0.0	0.0	-
83.0	70.0	-	-	23.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
83.0	80.0	-	-	-	0.0	8.6	0.0	0.0	-	-	0.0	-	-
83.0	90.0	-	-	-	2.3	0.0	3.0	-	-	-	0.0	-	0.0
86.0	46.0	-	0.0	-	4.9	-	-	-	-	-	-	-	-
87.0	36.0	-	-	6.0	4.1	0.0	-	0.0	-	-	0.0	0.0	-
87.0	40.0	-	0.0	0.0	9.7	0.0	0.0	-	-	-	0.0	0.0	-
87.0	45.0	-	-	6.2	-	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	3.2	-
87.0	70.0	-	22.6	47.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
87.0	80.0	-	-	-	0.0	3.1	9.4	-	-	-	0.0	-	-
87.0	85.0	-	-	-	-	5.6	0.0	0.0	-	-	-	-	-
87.0	90.0	-	-	-	0.0	6.9	0.0	0.0	-	-	0.0	-	0.0
90.0	28.0	-	0.0	2.3	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	37.0	-	0.0	0.0	12.4	3.2	0.0	0.0	-	-	0.0	0.0	0.0
90.0	45.0	-	0.0	2.9	13.2	0.0	7.2	0.0	-	-	0.0	0.0	0.0
90.0	55.0	-	0.0	0.0	54.2	0.0	0.0	0.0	-	-	-	0.0	0.0
90.0	60.0	-	0.0	5.7	2.9	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	65.0	-	-	-	-	9.4	0.0	0.0	-	-	-	-	-
90.0	70.0	-	0.0	11.2	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	75.0	-	-	-	-	9.8	0.0	0.0	-	-	-	-	-
90.0	80.0	-	0.0	17.2	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	90.0	-	0.0	0.0	6.6	6.0	0.0	0.0	-	-	0.0	-	0.0
93.0	30.0	-	0.0	0.0	0.0	2.0	0.0	0.0	-	-	0.0	0.0	-
93.0	40.0	-	0.0	6.5	0.0	5.4	0.0	0.0	-	-	0.0	0.0	-
93.0	45.0	-	-	-	12.4	0.0	0.0	0.0	-	-	-	0.0	-
93.0	50.0	-	0.0	0.0	0.0	4.6	0.0	0.0	-	-	-	0.0	-
93.0	55.0	-	-	-	0.0	0.0	3.3	0.0	-	-	-	0.0	-
93.0	60.0	-	0.0	25.9	0.0	0.0	0.0	0.0	-	-	-	0.0	-
93.0	65.0	-	-	-	-	10.2	0.0	0.0	-	-	-	-	-
93.0	70.0	-	0.0	0.0	0.0	19.0	0.0	0.0	-	-	-	0.0	-
93.0	85.0	-	-	-	-	0.0	0.0	2.8	-	-	-	-	-
97.0	32.0	-	0.0	-	5.7	3.2	0.0	0.0	-	-	-	0.0	0.0
97.0	40.0	-	0.0	0.0	0.0	3.9	0.0	0.0	-	-	-	0.0	-
97.0	45.0	-	-	-	0.0	2.6	0.0	0.0	-	-	-	0.0	-
97.0	50.0	-	0.0	22.8	-	5.7	0.0	2.7	-	-	-	0.0	-

TABLE 4. (cont.)

Bathylagus ochotensis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	55.0	–	–	–	–	0.0	0.0	8.6	–	–	–	0.0	–
100.0	29.0	–	0.0	0.0	5.2	4.5	0.0	0.0	–	–	–	0.0	–
100.0	33.0	–	0.0	10.3	10.4	0.0	0.0	–	–	–	–	–	–
100.0	50.0	–	0.0	0.0	0.0	0.0	3.0	2.8	–	–	–	0.0	–
100.0	60.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	–	–	–	0.0	–
103.0	35.0	0.0	0.0	0.0	10.6	0.0	0.0	0.0	–	–	–	0.0	–
103.0	38.0	0.0	6.6	–	–	–	–	–	–	–	–	–	–
103.0	40.0	0.0	12.6	0.0	2.8	3.4	0.0	0.0	–	–	–	0.0	–
103.0	50.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	–	–	–	0.0	0.0
107.0	45.0	–	–	–	0.0	3.0	0.0	0.0	–	–	–	–	–
110.0	35.0	–	0.0	0.0	0.0	3.0	0.0	–	0.0	0.0	0.0	–	–
110.0	50.0	0.0	0.0	0.0	0.0	3.1	0.0	–	0.0	–	0.0	–	–
110.0	80.0	–	0.0	–	0.0	3.0	0.0	–	0.0	–	0.0	–	–
117.0	60.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	65.0	–	–	–	–	6.1	0.0	0.0	–	–	–	–	–

Bathylagus pacificus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	80.0	–	–	–	–	0.0	2.8	0.0	–	–	–	–	–
87.0	65.0	–	–	–	–	0.0	5.5	0.0	–	–	–	–	–

Bathylagus wesethi

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	90.0	–	–	–	–	–	9.5	–	–	–	–	–	–
77.0	80.0	–	–	–	–	0.0	0.0	11.0	–	–	–	–	–
77.0	90.0	–	–	–	–	–	24.9	0.0	–	–	–	–	–
80.0	80.0	–	0.0	0.0	0.0	0.0	0.0	5.2	–	–	–	–	0.0
80.0	90.0	–	0.0	0.0	0.0	0.0	15.1	16.3	–	–	2.9	–	0.0
83.0	60.0	–	0.0	0.0	0.0	2.9	6.9	0.0	–	–	0.0	0.0	–
83.0	65.0	–	–	–	–	–	9.5	0.0	–	–	–	–	–
83.0	70.0	–	–	0.0	0.0	0.0	21.0	0.0	–	–	0.0	–	–
83.0	85.0	–	–	–	–	–	14.7	2.8	–	–	–	–	–
83.0	90.0	–	–	–	0.0	16.4	0.0	–	–	–	2.6	–	0.0
87.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.9	–	–
87.0	80.0	–	–	–	0.0	0.0	0.0	–	–	–	9.6	–	–
90.0	60.0	–	0.0	0.0	8.8	0.0	0.0	0.0	–	–	0.0	0.0	0.0
90.0	70.0	–	0.0	0.0	11.6	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	75.0	–	–	–	–	0.0	0.0	4.8	–	–	–	–	–
90.0	90.0	–	0.0	6.3	0.0	0.0	6.7	26.4	–	–	0.0	–	9.8
93.0	30.0	–	0.0	0.0	13.6	0.0	0.0	0.0	–	–	0.0	0.0	–
93.0	40.0	–	0.0	0.0	0.0	0.0	0.0	2.9	–	–	0.0	0.0	–
93.0	45.0	–	–	–	0.0	0.0	0.0	4.4	–	–	–	0.0	–

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	50.0	–	0.0	0.0	0.0	0.0	3.4	0.0	–	–	–	0.0	–
93.0	65.0	–	–	–	–	0.0	0.0	4.5	–	–	–	–	–
93.0	70.0	–	0.0	0.0	0.0	0.0	4.0	11.5	–	–	–	0.0	–
93.0	75.0	–	–	–	–	10.7	0.0	64.4	–	–	–	–	–
93.0	80.0	–	–	–	–	0.0	7.0	57.0	–	–	–	9.5	–
93.0	85.0	–	–	–	–	6.9	7.1	0.0	–	–	–	–	–
93.0	90.0	–	–	–	19.1	0.0	0.0	0.0	–	–	–	6.9	–
97.0	32.0	–	0.0	–	0.0	0.0	6.0	0.0	–	–	–	0.0	0.0
97.0	50.0	–	0.0	0.0	–	0.0	11.3	0.0	–	–	–	0.0	–
97.0	55.0	–	–	–	–	0.0	0.0	2.9	–	–	–	0.0	–
97.0	60.0	–	0.0	–	0.0	66.6	15.3	0.0	–	–	–	0.0	–
97.0	65.0	–	–	–	–	55.1	46.0	0.0	–	–	–	–	–
97.0	70.0	–	0.0	–	8.5	54.5	22.5	35.4	–	–	–	4.2	–
97.0	75.0	–	–	–	–	13.4	3.1	25.6	–	–	–	–	–
97.0	80.0	–	–	–	18.8	3.5	0.0	5.5	–	–	–	3.3	–
97.0	85.0	–	–	–	–	6.0	0.0	0.0	–	–	–	–	–
97.0	90.0	–	–	–	7.7	1.9	3.0	17.6	–	–	–	9.3	–
100.0	33.0	–	0.0	0.0	0.0	0.0	3.0	–	–	–	–	–	–
100.0	40.0	–	0.0	0.0	0.0	0.0	3.9	0.0	–	–	–	0.0	0.0
100.0	45.0	–	–	–	0.0	0.0	9.1	0.0	–	–	–	–	–
100.0	50.0	–	0.0	0.0	0.0	0.0	6.0	8.4	–	–	–	0.0	–
100.0	55.0	–	–	–	0.0	0.0	3.3	18.2	–	–	–	–	–
100.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	–	–	–	0.0	–
100.0	65.0	–	–	–	–	48.2	43.2	49.8	–	–	–	–	–
100.0	70.0	–	0.0	–	42.2	229.1	11.2	–	–	–	–	17.0	–
100.0	75.0	–	–	–	–	104.9	9.1	25.4	–	–	–	–	–
100.0	80.0	–	0.0	–	27.3	65.1	0.0	–	–	–	–	6.0	–
100.0	85.0	–	–	–	–	17.1	21.6	–	–	–	–	–	–
100.0	90.0	–	0.0	–	21.3	9.6	53.4	–	–	–	–	0.0	–
103.0	30.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	–	–	–	0.0	–
103.0	35.0	0.0	0.0	0.0	0.0	65.6	61.5	0.0	–	–	–	0.0	–
103.0	40.0	0.0	0.0	0.0	0.0	13.8	171.9	0.0	–	–	–	0.0	–
103.0	45.0	–	–	–	0.0	30.7	15.5	2.8	–	–	–	–	–
103.0	50.0	0.0	0.0	0.0	0.0	26.0	10.1	2.5	–	–	–	3.4	0.0
103.0	55.0	–	–	–	28.0	10.7	0.0	33.3	–	–	–	–	–
103.0	60.0	0.0	0.0	–	58.0	48.6	379.7	98.8	–	–	–	6.4	–
103.0	65.0	–	–	–	–	182.9	36.9	18.6	–	–	–	–	–
103.0	70.0	–	0.0	15.5	60.8	25.7	9.9	0.0	–	–	–	0.0	–
103.0	75.0	–	–	–	–	29.3	3.4	2.6	–	–	–	–	–
103.0	80.0	–	–	–	15.1	89.2	0.0	–	–	–	–	0.0	–
103.0	85.0	–	–	–	–	48.4	0.0	–	–	–	–	–	–
103.0	90.0	–	–	–	3.1	10.8	0.0	–	–	–	–	–	–
107.0	35.0	0.0	–	0.0	0.0	46.2	10.2	0.0	–	–	0.0	–	–
107.0	40.0	0.0	0.0	0.0	6.7	11.3	13.7	11.5	–	–	3.6	–	–
107.0	45.0	–	–	–	2.8	0.0	10.1	0.0	–	–	–	–	–
107.0	50.0	0.0	0.0	3.0	0.0	47.3	0.0	0.0	–	–	8.7	–	–

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	55.0	-	-	-	19.1	237.5	3.1	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	3.8	42.0	296.8	40.7	34.0	-	-	14.9	-	0.0
107.0	65.0	-	-	-	-	33.2	22.9	53.8	-	-	-	-	-
107.0	70.0	-	0.0	28.0	15.2	47.2	57.8	0.0	-	-	6.5	-	-
107.0	75.0	-	-	-	-	19.1	15.4	0.0	-	-	-	-	-
107.0	80.0	-	-	-	3.3	9.6	10.7	6.9	-	-	0.0	-	-
107.0	85.0	-	-	-	-	14.2	0.0	111.0	-	-	-	-	-
107.0	90.0	-	-	-	2.8	5.8	6.4	23.9	-	-	-	-	-
110.0	33.0	-	0.0	0.0	21.4	0.0	0.0	-	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	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	6.0	2.9	2.8	-	-
110.0	45.0	-	-	-	0.0	0.0	12.1	-	13.0	-	-	-	-
110.0	50.0	0.0	0.0	0.0	2.9	0.0	5.9	-	13.2	-	8.5	-	-
110.0	55.0	-	-	-	3.0	3.2	0.0	-	13.2	-	-	-	-
110.0	60.0	0.0	5.1	5.6	0.0	0.0	29.8	-	0.0	-	10.6	-	-
110.0	65.0	-	-	-	-	0.0	17.7	-	190.5	-	-	-	-
110.0	70.0	-	0.0	27.9	42.9	0.0	66.5	-	0.0	-	3.3	-	0.0
110.0	75.0	-	-	-	-	0.0	71.3	-	0.0	-	-	-	-
110.0	80.0	-	0.0	-	10.0	30.2	17.7	-	0.0	-	0.0	-	-
110.0	85.0	-	-	-	-	22.2	4.3	-	0.0	-	-	-	-
110.0	90.0	-	0.0	-	13.4	39.5	0.0	-	3.4	-	-	-	-
113.0	35.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	31.3	3.2	-	-
113.0	40.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	26.1	0.0	-	-
113.0	45.0	-	-	-	0.0	5.5	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	0.0	0.0	0.0	13.3	0.0	0.0	-	-	7.2	-	-
113.0	55.0	-	-	-	6.4	0.0	14.4	0.0	-	-	-	-	-
113.0	60.0	0.0	0.0	0.0	10.6	0.0	2.9	0.0	-	-	13.0	-	-
113.0	70.0	0.0	0.0	0.0	0.0	0.0	17.6	7.0	-	-	0.0	-	-
113.0	75.0	-	-	-	-	0.0	10.2	10.0	-	-	-	-	-
113.0	80.0	-	-	-	8.8	8.9	65.5	0.0	-	-	38.4	-	-
113.0	85.0	-	-	-	-	-	14.7	-	-	-	-	-	-
115.0	40.0	-	-	-	-	-	-	-	0.0	16.1	-	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	3.1	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	-	-
117.0	50.0	0.0	0.0	0.0	10.8	0.0	12.5	3.3	-	-	0.0	-	-
117.0	55.0	-	-	-	0.0	0.0	5.2	3.0	-	-	-	-	-
117.0	60.0	0.0	0.0	9.2	10.5	0.0	0.0	20.7	-	-	12.2	-	-
117.0	70.0	0.0	8.1	0.0	2.7	4.5	0.0	0.0	-	-	2.2	-	-
117.0	75.0	-	-	-	-	13.5	0.0	3.4	-	-	-	-	-
117.0	80.0	-	-	-	4.8	32.2	0.0	0.0	-	-	86.1	-	-
118.0	39.0	-	-	0.0	2.2	0.0	0.0	0.0	-	-	0.0	-	-
120.0	45.0	0.0	0.0	-	-	0.0	57.8	0.0	5.9	0.0	0.0	-	-
120.0	50.0	0.0	2.8	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	65.0	-	-	-	-	12.1	0.0	0.0	-	-	-	-	-
120.0	70.0	5.9	0.0	3.7	2.5	0.0	2.9	0.0	-	-	6.5	-	-
120.0	75.0	-	-	-	-	2.5	3.5	3.4	-	-	-	-	-

TABLE 4. (cont.)

Bathylagus wesethi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	80.0	–	0.0	0.0	0.0	20.1	0.0	0.0	–	–	0.0	–	–
120.0	85.0	–	–	–	–	–	8.5	–	–	–	–	–	–
120.0	90.0	–	–	–	–	–	3.0	–	–	–	3.0	–	–
123.0	42.0	2.8	0.0	0.0	0.0	0.0	24.6	0.0	0.0	0.0	0.0	–	–
123.0	50.0	0.0	4.8	0.0	0.0	–	0.0	0.0	–	–	0.0	–	–
123.0	55.0	–	0.0	0.0	0.0	–	2.7	0.0	–	–	–	–	–
123.0	60.0	0.0	0.0	0.0	0.0	–	6.0	3.1	–	–	3.1	–	–
123.0	70.0	–	–	–	0.0	–	–	3.3	–	–	3.1	–	–
123.0	80.0	–	–	–	0.0	–	–	3.0	–	–	0.0	–	–
127.0	34.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	40.0	0.0	0.0	0.0	0.0	5.5	0.0	3.0	0.0	0.0	0.0	–	–
127.0	45.0	–	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	–	–
127.0	50.0	0.0	0.0	0.0	0.0	–	2.9	0.0	–	–	0.0	–	–
127.0	55.0	–	0.0	6.7	0.0	–	0.0	0.0	–	–	–	–	–
130.0	30.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	–	–
130.0	50.0	5.7	0.0	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
130.0	55.0	–	–	–	0.0	–	3.0	0.0	–	–	–	–	–
130.0	60.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
137.0	40.0	–	0.0	2.9	0.0	–	0.0	0.0	–	–	0.0	–	–
147.0	40.0	–	0.0	0.0	2.5	–	–	–	–	–	–	–	–
148.0	20.0	–	–	–	–	–	2.9	–	–	–	–	–	–
150.0	40.0	–	0.0	0.0	32.4	–	–	–	–	–	–	–	–
153.0	16.0	–	0.0	–	0.0	–	6.0	–	–	–	–	–	–
153.0	25.0	–	–	–	2.2	–	9.8	–	–	–	–	–	–
153.0	30.0	–	0.0	–	6.2	–	3.4	–	–	–	–	–	–
157.0	15.0	–	–	–	8.4	–	0.0	–	–	–	–	–	–
157.0	20.0	–	3.5	–	2.7	–	0.0	–	–	–	–	–	–
157.0	25.0	–	–	–	0.0	–	11.1	–	–	–	–	–	–
157.0	30.0	–	0.0	–	0.0	–	5.8	–	–	–	–	–	–

Leuroglossus stilbius

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	80.0	–	–	–	–	16.7	0.0	–	–	–	–	–	–
63.0	60.0	–	–	–	–	13.3	0.0	0.0	–	–	–	–	–
63.0	70.0	–	–	–	–	0.0	0.0	3.8	–	–	–	–	–
63.0	90.0	–	–	–	–	–	3.6	–	–	–	–	–	–
67.0	60.0	–	–	–	–	3.5	0.0	0.0	–	–	–	–	–
67.0	70.0	–	–	–	–	4.1	0.0	0.0	–	–	–	–	–
70.0	52.0	–	–	–	–	0.0	0.0	6.2	–	–	–	–	–
70.0	60.0	–	–	–	–	0.0	6.3	0.0	–	–	–	0.0	–
70.0	70.0	–	–	–	–	0.0	0.0	4.2	–	–	–	0.0	–
70.0	80.0	–	–	–	–	3.5	12.8	–	–	–	–	0.0	–
73.0	50.0	–	–	–	–	0.0	0.0	4.8	–	–	–	–	–
73.0	51.0	–	–	–	–	–	–	–	–	–	–	3.4	–

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	55.0	–	–	–	–	6.2	0.0	13.7	–	–	–	0.0	–
73.0	60.0	–	–	–	–	13.7	0.0	0.0	–	–	–	0.0	–
73.0	70.0	–	–	–	–	0.0	3.1	0.0	–	–	–	–	–
73.0	80.0	–	–	–	–	7.8	12.3	–	–	–	–	–	–
77.0	55.0	–	–	–	–	0.0	9.0	0.0	–	–	–	–	–
77.0	60.0	–	–	–	–	64.3	0.0	3.6	–	–	–	–	–
77.0	70.0	–	–	–	–	29.7	0.0	7.5	–	–	–	–	–
77.0	80.0	–	–	–	–	0.0	0.0	3.7	–	–	–	–	–
80.0	51.0	–	517.9	3.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
80.0	55.0	–	5.9	64.9	736.6	21.5	0.0	0.0	–	–	0.0	27.5	0.0
80.0	60.0	–	67.6	12.1	9.7	0.0	0.0	12.9	–	–	0.0	0.0	3.7
80.0	70.0	–	43.7	0.0	0.0	28.6	0.0	0.0	–	–	0.0	0.0	0.0
80.0	80.0	–	5.9	29.0	0.0	3.2	0.0	0.0	–	–	–	–	0.0
82.0	47.0	–	74.8	360.3	62.1	149.1	0.0	0.0	–	–	0.0	4.7	–
83.0	40.0	–	156.6	6.2	7.9	0.0	0.0	0.0	–	–	0.0	0.0	–
83.0	43.0	–	311.0	319.8	72.6	121.0	0.0	4.3	–	–	0.0	0.0	–
83.0	48.0	–	–	105.8	–	–	–	–	–	–	–	–	–
83.0	51.0	–	289.3	–	101.2	3.5	0.0	2.4	–	–	0.0	0.0	–
83.0	52.0	–	0.0	105.3	–	–	–	–	–	–	–	–	–
83.0	55.0	–	–	–	–	27.2	10.1	2.8	–	–	–	0.0	–
83.0	60.0	–	37.4	11.8	67.0	2.9	3.4	0.0	–	–	0.0	0.0	–
83.0	80.0	–	–	–	0.0	17.1	0.0	0.0	–	–	0.0	–	–
83.0	90.0	–	–	–	0.0	3.3	0.0	–	–	–	0.0	–	0.0
86.0	46.0	–	81.8	–	196.8	–	–	–	–	–	–	–	–
87.0	35.0	–	128.2	–	–	–	0.0	–	–	–	–	–	–
87.0	36.0	–	–	3702.3	12.4	59.2	–	0.0	–	–	0.0	2.3	–
87.0	38.0	–	484.8	–	–	–	–	–	–	–	–	–	–
87.0	40.0	–	734.4	2450.9	155.5	157.7	0.0	–	–	–	0.0	3.9	–
87.0	45.0	–	–	1497.6	–	194.9	4.1	26.9	–	–	0.0	0.0	–
87.0	50.0	–	0.0	443.8	192.6	1.8	0.0	4.7	–	–	0.0	0.0	–
87.0	55.0	–	20.3	–	–	6.5	39.8	2.9	–	–	0.0	7.8	–
87.0	60.0	–	0.0	47.3	0.0	0.0	7.5	0.0	–	–	0.0	0.0	–
87.0	65.0	–	–	–	–	0.0	22.2	3.4	–	–	–	–	–
87.0	70.0	–	0.0	917.3	11.4	0.0	0.0	18.8	–	–	0.0	–	–
87.0	75.0	–	–	–	–	6.7	3.0	0.0	–	–	–	–	–
87.0	80.0	–	–	–	0.0	12.4	3.1	–	–	–	0.0	–	–
87.0	85.0	–	–	–	–	41.7	2.7	0.0	–	–	–	–	–
87.0	90.0	–	–	–	0.0	31.1	12.0	0.0	–	–	0.0	–	0.0
90.0	28.0	–	27.4	400.5	75.8	0.0	0.0	0.0	–	–	0.0	0.0	0.0
90.0	30.0	–	0.0	759.2	39.2	9.4	0.0	2.6	–	–	0.0	0.0	0.0
90.0	37.0	–	84.5	1444.8	124.0	12.7	25.5	0.0	–	–	0.0	3.9	0.0
90.0	45.0	–	0.0	219.0	723.8	0.0	21.5	0.0	–	–	0.0	2.9	3.2
90.0	50.0	–	–	–	–	0.0	3.6	0.0	–	–	0.0	0.0	0.0
90.0	55.0	–	106.6	49.1	854.3	69.4	7.0	2.4	–	–	–	0.0	0.0
90.0	60.0	–	5.8	638.4	20.5	27.4	6.3	4.7	–	–	0.0	0.0	0.0
90.0	65.0	–	–	–	–	0.0	3.1	0.0	–	–	–	–	–

TABLE 4. (cont.)

Leuroglossus stilbius (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	70.0	-	0.0	78.4	11.6	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	75.0	-	-	-	-	6.5	0.0	0.0	-	-	-	-	-
90.0	80.0	-	0.0	366.1	99.2	2.6	0.0	0.0	-	-	0.0	-	0.0
90.0	85.0	-	-	-	-	4.9	6.5	0.0	-	-	-	-	-
90.0	90.0	-	0.0	0.0	575.9	9.1	3.3	0.0	-	-	0.0	-	0.0
93.0	27.0	-	34.4	506.2	6.3	18.0	0.0	0.0	-	-	0.0	0.0	-
93.0	30.0	-	0.0	588.1	68.2	77.1	0.0	0.0	-	-	0.0	0.0	-
93.0	35.0	-	-	-	44.0	6.2	0.0	0.0	-	-	0.0	0.0	-
93.0	40.0	-	0.0	90.4	60.0	32.3	0.0	2.9	-	-	0.0	0.0	-
93.0	45.0	-	-	-	457.3	0.0	0.0	0.0	-	-	-	0.0	-
93.0	50.0	-	98.9	433.4	179.0	4.6	6.8	0.0	-	-	-	0.0	-
93.0	55.0	-	-	-	57.6	11.6	0.0	0.0	-	-	-	0.0	-
93.0	60.0	-	26.9	249.5	0.0	3.1	7.4	0.0	-	-	-	0.0	-
93.0	65.0	-	-	-	-	25.6	3.7	0.0	-	-	-	-	-
93.0	70.0	-	0.0	3.0	0.0	32.5	0.0	0.0	-	-	-	0.0	-
93.0	75.0	-	-	-	-	2.7	0.0	0.0	-	-	-	-	-
93.0	80.0	-	-	-	-	10.8	0.0	0.0	-	-	-	0.0	-
93.0	85.0	-	-	-	-	13.8	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	-	6.4	3.0	0.0	0.0	-	-	-	0.0	-
97.0	30.0	-	0.0	0.0	0.0	8.9	0.0	0.0	-	-	-	0.0	-
97.0	32.0	-	0.0	-	34.0	22.3	0.0	0.0	-	-	-	0.0	0.0
97.0	40.0	-	0.0	161.2	24.1	3.9	3.0	2.3	-	-	-	0.0	-
97.0	45.0	-	-	-	49.1	15.6	8.1	0.0	-	-	-	0.0	-
97.0	50.0	-	0.0	45.6	-	11.5	7.5	2.7	-	-	-	0.0	-
97.0	55.0	-	-	-	-	13.0	13.2	5.7	-	-	-	0.0	-
97.0	60.0	-	77.8	-	0.0	15.7	0.0	0.0	-	-	-	0.0	-
97.0	70.0	-	0.0	-	2.8	0.0	0.0	0.0	-	-	-	0.0	-
97.0	75.0	-	-	-	-	6.7	0.0	0.0	-	-	-	-	-
97.0	85.0	-	-	-	-	3.0	0.0	0.0	-	-	-	-	-
97.0	90.0	-	-	-	15.3	0.0	0.0	0.0	-	-	-	0.0	-
100.0	29.0	-	3.0	59.3	21.0	18.1	0.0	0.0	-	-	-	0.0	-
100.0	33.0	-	44.8	99.2	146.2	127.8	3.0	-	-	-	-	-	-
100.0	40.0	-	22.4	70.4	68.6	29.6	3.9	0.0	-	-	-	0.0	0.0
100.0	45.0	-	-	-	0.0	8.5	21.3	0.0	-	-	-	-	-
100.0	50.0	-	0.0	25.4	0.0	19.2	32.9	0.0	-	-	-	0.0	-
100.0	55.0	-	-	-	6.9	4.6	3.3	0.0	-	-	-	-	-
100.0	60.0	0.0	0.0	0.0	38.7	11.9	0.0	0.0	-	-	-	0.0	-
100.0	70.0	-	0.0	-	3.5	0.0	0.0	-	-	-	-	0.0	-
100.0	90.0	-	0.0	-	0.0	0.0	2.8	-	-	-	-	0.0	-
103.0	30.0	0.0	0.0	2.9	1.4	0.0	0.0	0.0	-	-	-	0.0	-
103.0	35.0	0.0	193.8	5.8	26.5	32.8	0.0	0.0	-	-	-	0.0	-
103.0	38.0	0.0	26.2	-	-	-	-	-	-	-	-	-	-
103.0	40.0	0.0	12.6	4.0	0.0	37.8	0.0	0.0	-	-	-	0.0	-
103.0	45.0	-	-	-	0.0	35.8	0.0	0.0	-	-	-	-	-
103.0	50.0	0.0	21.5	18.7	0.0	15.6	3.3	2.5	-	-	-	0.0	0.0
103.0	55.0	-	-	-	8.4	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.
103.0	70.0	-	0.0	0.0	0.0	0.0	3.3	0.0	-	-	-	0.0	-
107.0	32.0	0.0	-	10.0	0.0	0.0	-	0.0	-	-	-	-	-
107.0	35.0	0.0	-	0.0	3.3	2.1	0.0	0.0	-	-	0.0	-	-
107.0	40.0	0.0	0.0	9.2	0.0	4.5	0.0	0.0	-	-	0.0	-	-
107.0	45.0	-	-	-	5.7	21.1	0.0	0.0	-	-	-	-	-
107.0	55.0	-	-	-	3.2	0.0	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	-	-	0.0	-	0.0
110.0	33.0	-	0.0	9.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	35.0	-	12.4	24.6	50.2	8.9	0.0	-	0.0	0.0	0.0	-	-
110.0	40.0	0.0	2.8	16.5	155.3	46.7	3.1	-	0.0	0.0	0.0	-	-
110.0	45.0	-	-	-	35.9	12.3	0.0	-	0.0	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	3.1	0.0	-	0.0	-	0.0	-	-
110.0	55.0	-	-	-	3.0	0.0	0.0	-	0.0	-	-	-	-
110.0	60.0	0.0	0.0	0.0	11.6	0.0	0.0	-	0.0	-	0.0	-	-
110.0	80.0	-	5.1	-	0.0	0.0	0.0	-	0.0	-	0.0	-	-
113.0	30.0	0.0	0.0	29.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	35.0	2.7	55.0	355.0	4.0	6.2	0.0	0.0	0.0	0.0	0.0	-	-
113.0	40.0	0.0	0.0	189.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	45.0	-	-	-	0.0	0.0	6.4	0.0	-	-	-	-	-
113.0	50.0	0.0	0.0	19.9	0.0	2.7	0.0	0.0	-	-	0.0	-	-
113.0	60.0	0.0	0.0	12.6	10.6	0.0	0.0	0.0	-	-	0.0	-	-
113.0	70.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-	-	0.0	-	-
117.0	30.0	0.0	0.0	30.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	35.0	0.0	0.0	27.6	0.0	4.1	0.0	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	4.6	29.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	50.0	0.0	0.0	112.3	0.0	5.6	0.0	0.0	-	-	0.0	-	-
117.0	60.0	2.7	0.0	9.2	0.0	3.1	0.0	0.0	-	-	0.0	-	-
117.0	70.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	80.0	-	-	-	0.0	0.0	0.0	3.6	-	-	0.0	-	-
118.0	39.0	-	-	9.6	4.3	3.0	0.0	0.0	-	-	0.0	-	-
119.0	33.0	-	-	6.5	0.0	5.4	0.0	0.0	0.0	0.0	0.0	-	-
120.0	25.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	30.0	0.0	0.0	48.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	35.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	45.0	0.0	2.8	-	-	5.1	0.0	0.0	0.0	0.0	0.0	-	-
120.0	50.0	0.0	0.0	-	46.2	13.0	0.0	0.0	-	-	0.0	-	-
120.0	55.0	0.0	0.0	-	42.4	8.4	0.0	0.0	-	-	-	-	-
120.0	65.0	-	-	-	-	6.1	0.0	0.0	-	-	-	-	-
120.0	70.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	-	-	0.0	-	-
123.0	37.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	42.0	0.0	2.7	17.9	0.0	10.8	0.0	0.0	0.0	0.0	0.0	-	-
127.0	34.0	0.0	0.0	36.6	6.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	40.0	0.0	14.1	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	45.0	-	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	50.0	0.0	0.0	6.3	0.0	-	0.0	0.0	-	-	0.0	-	-
127.0	60.0	0.0	0.0	6.8	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.
130.0	35.0	0.0	0.0	3.1	4.2	4.8	0.0	0.0	0.0	0.0	0.0	–	–
130.0	40.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	50.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	–	–	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	2.3	13.6	0.0	0.0	0.0	0.0	–	–
137.0	35.0	0.0	0.0	11.7	–	–	0.0	0.0	–	–	0.0	–	–
140.0	35.0	–	0.0	11.0	0.0	–	0.0	–	–	–	–	–	–

Stomiiformes

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	–	–	0.0	–	–
157.0	40.0	–	–	–	0.0	–	7.7	–	–	–	–	–	–

Cyclothone spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	90.0	–	–	–	–	–	0.0	6.1	–	–	–	–	–
80.0	60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.7	0.0	0.0
80.0	90.0	–	0.0	0.0	0.0	3.7	0.0	0.0	–	–	17.2	–	0.0
83.0	55.0	–	–	–	–	0.0	0.0	0.0	–	–	–	2.3	–
83.0	60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.5	0.0	–
83.0	70.0	–	–	0.0	0.0	0.0	9.0	0.0	–	–	0.0	–	–
83.0	80.0	–	–	–	2.2	0.0	0.0	0.0	–	–	0.0	–	–
83.0	90.0	–	–	–	2.3	3.3	0.0	–	–	–	28.9	–	0.0
87.0	60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	6.7	0.0	–
87.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	8.9	–	–
87.0	80.0	–	–	–	0.0	0.0	0.0	–	–	–	9.6	–	–
87.0	90.0	–	–	–	0.0	0.0	0.0	0.0	–	–	5.5	–	0.0
90.0	70.0	–	0.0	0.0	0.0	3.3	0.0	0.0	–	–	0.0	–	0.0
90.0	80.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.7	–	0.0
90.0	90.0	–	0.0	0.0	0.0	0.0	0.0	5.3	–	–	0.0	–	3.3
93.0	40.0	–	0.0	0.0	0.0	0.0	0.0	5.8	–	–	0.0	0.0	–
93.0	45.0	–	–	–	0.0	0.0	0.0	2.2	–	–	–	0.0	–
93.0	50.0	–	0.0	0.0	0.0	0.0	0.0	8.5	–	–	–	1.7	–
93.0	70.0	–	0.0	0.0	0.0	0.0	0.0	3.8	–	–	–	0.0	–
93.0	75.0	–	–	–	–	0.0	0.0	10.7	–	–	–	–	–
93.0	80.0	–	–	–	–	0.0	0.0	0.0	–	–	–	22.2	–
97.0	65.0	–	–	–	–	8.7	7.1	0.0	–	–	–	–	–
97.0	70.0	–	0.0	–	0.0	26.1	3.2	0.0	–	–	–	4.2	–
97.0	75.0	–	–	–	–	0.0	3.1	8.6	–	–	–	–	–
97.0	80.0	–	–	–	0.0	0.0	0.0	2.8	–	–	–	36.6	–
97.0	90.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	9.3	–
100.0	50.0	–	0.0	0.0	0.0	0.0	0.0	2.8	–	–	–	0.0	–
100.0	65.0	–	–	–	–	12.0	2.7	2.6	–	–	–	–	–

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	70.0	–	0.0	–	44.0	34.2	2.8	–	–	–	–	14.2	–
100.0	75.0	–	–	–	–	57.0	6.1	22.2	–	–	–	–	–
100.0	80.0	–	0.0	–	0.0	43.4	0.0	–	–	–	–	26.9	–
100.0	85.0	–	–	–	–	0.0	6.2	–	–	–	–	–	–
100.0	90.0	–	0.0	–	0.0	0.0	2.8	–	–	–	–	3.1	–
103.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	5.2	–
103.0	35.0	0.0	0.0	2.9	2.7	0.0	35.2	0.0	–	–	–	0.0	–
103.0	40.0	0.0	0.0	0.0	0.0	0.0	53.5	0.0	–	–	–	0.0	–
103.0	45.0	–	–	–	0.0	5.1	3.9	0.0	–	–	–	–	–
103.0	50.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	–	–	–	3.4	0.0
103.0	55.0	–	–	–	0.0	0.0	0.0	2.6	–	–	–	–	–
103.0	60.0	3.2	0.0	–	3.4	3.5	6.7	10.7	–	–	–	41.6	–
103.0	65.0	–	–	–	–	2.7	14.8	0.0	–	–	–	–	–
103.0	70.0	–	0.0	49.6	73.6	9.6	52.6	0.0	–	–	–	26.7	–
103.0	75.0	–	–	–	–	14.7	34.2	2.6	–	–	–	–	–
103.0	80.0	–	–	–	45.2	51.5	9.8	–	–	–	–	3.0	–
103.0	85.0	–	–	–	–	48.4	6.6	–	–	–	–	–	–
103.0	90.0	–	–	–	0.0	5.4	15.0	–	–	–	–	–	–
107.0	35.0	0.0	–	0.0	0.0	0.0	0.0	3.5	–	–	0.0	–	–
107.0	40.0	2.9	0.0	0.0	0.0	0.0	3.4	0.0	–	–	3.6	–	–
107.0	45.0	–	–	–	8.5	0.0	0.0	0.0	–	–	–	–	–
107.0	50.0	0.0	5.4	0.0	0.0	10.0	2.9	0.0	–	–	26.0	–	–
107.0	55.0	–	–	–	6.4	2.1	3.1	0.0	–	–	–	–	–
107.0	60.0	3.2	11.3	11.4	38.5	17.0	10.2	3.4	–	–	11.2	–	3.7
107.0	65.0	–	–	–	–	24.2	3.3	6.7	–	–	–	–	–
107.0	70.0	–	0.0	18.7	32.6	61.4	19.3	0.0	–	–	0.0	–	–
107.0	75.0	–	–	–	–	0.0	18.5	0.0	–	–	–	–	–
107.0	80.0	–	–	–	0.0	28.7	0.0	6.9	–	–	6.4	–	–
107.0	85.0	–	–	–	–	10.7	0.0	41.6	–	–	–	–	–
107.0	90.0	–	–	–	0.0	2.9	0.0	10.2	–	–	–	–	–
110.0	35.0	–	0.0	0.0	6.3	0.0	0.0	–	0.0	0.0	0.0	–	–
110.0	50.0	8.2	0.0	0.0	0.0	3.1	3.0	–	0.0	–	2.8	–	–
110.0	60.0	5.8	0.0	0.0	0.0	0.0	0.0	–	0.0	–	7.1	–	–
110.0	65.0	–	–	–	–	0.0	0.0	–	34.6	–	–	–	–
110.0	70.0	–	0.0	6.2	13.2	0.0	7.0	–	0.0	–	52.8	–	6.4
110.0	75.0	–	–	–	–	2.9	9.7	–	0.0	–	–	–	–
110.0	80.0	–	0.0	–	26.7	30.2	17.7	–	3.4	–	0.0	–	–
110.0	85.0	–	–	–	–	80.6	8.6	–	3.3	–	–	–	–
110.0	90.0	–	0.0	–	0.0	45.6	0.0	–	20.5	–	–	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.1	0.0	–	–
113.0	45.0	–	–	–	0.0	2.7	0.0	0.0	–	–	–	–	–
113.0	50.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	–	–	9.6	–	–
113.0	60.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	–	–	5.2	–	–
113.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	–	–	36.2	–	–
113.0	75.0	–	–	–	–	0.0	2.5	0.0	–	–	–	–	–

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	80.0	-	-	-	2.9	0.0	0.0	0.0	-	-	46.6	-	-
113.0	90.0	-	-	-	-	-	9.1	-	-	-	-	-	-
115.0	35.0	-	-	-	-	-	-	-	0.0	2.9	-	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	-	-
117.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	15.5	-	-
117.0	60.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	-	-	55.1	-	-
117.0	70.0	0.0	0.0	9.6	0.0	0.0	0.0	0.0	-	-	4.5	-	-
117.0	75.0	-	-	-	-	2.7	11.3	0.0	-	-	-	-	-
117.0	80.0	-	-	-	0.0	5.4	3.5	0.0	-	-	4.9	-	-
120.0	45.0	0.0	0.0	-	-	0.0	3.2	0.0	2.9	5.6	0.0	-	-
120.0	60.0	5.3	3.2	0.0	0.0	0.0	0.0	0.0	-	-	3.0	-	-
120.0	70.0	0.0	0.0	3.7	4.9	17.6	0.0	0.0	-	-	16.3	-	-
120.0	75.0	-	-	-	-	2.5	0.0	0.0	-	-	-	-	-
120.0	80.0	-	0.0	0.0	0.0	30.1	2.3	0.0	-	-	49.8	-	-
120.0	85.0	-	-	-	-	-	5.6	-	-	-	-	-	-
120.0	90.0	-	-	-	-	-	0.0	-	-	-	14.9	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	-	-
123.0	55.0	-	0.0	0.0	0.0	-	0.0	12.4	-	-	-	-	-
123.0	60.0	0.0	4.4	0.0	3.0	-	3.0	6.2	-	-	0.0	-	-
123.0	70.0	-	-	-	0.0	-	-	16.5	-	-	27.8	-	-
123.0	80.0	-	-	-	2.5	-	-	0.0	-	-	0.0	-	-
127.0	40.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	-	-
127.0	45.0	-	0.0	0.0	0.0	0.0	0.0	0.0	5.7	7.6	0.0	-	-
127.0	50.0	2.6	0.0	0.0	0.0	-	0.0	3.1	-	-	4.3	-	-
127.0	60.0	0.0	5.3	13.6	12.0	-	11.1	0.0	-	-	0.0	-	-
127.0	70.0	-	-	-	6.1	-	-	0.0	-	-	0.0	-	-
127.0	80.0	-	-	-	5.5	-	-	-	-	-	7.2	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	-	-
130.0	40.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	-	-
130.0	45.0	-	-	-	-	-	0.0	0.0	5.4	0.0	-	-	-
130.0	50.0	11.3	0.0	3.4	0.0	0.0	0.0	0.0	-	-	0.0	-	-
130.0	60.0	2.9	5.2	3.0	0.0	0.0	0.0	0.0	-	-	3.4	-	-
130.0	80.0	-	-	-	0.0	-	-	0.0	-	-	7.7	-	-
133.0	30.0	2.6	0.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	-	-
133.0	45.0	-	-	-	2.8	-	0.0	0.0	-	-	-	-	-
133.0	70.0	-	-	-	0.0	-	-	3.2	-	-	0.0	-	-
137.0	40.0	-	2.2	2.9	0.0	-	0.0	0.0	-	-	0.0	-	-
137.0	45.0	-	-	-	4.8	-	0.0	0.0	-	-	-	-	-
137.0	50.0	-	0.0	6.3	0.0	0.0	0.0	0.0	-	-	0.0	-	-
137.0	70.0	-	-	-	3.1	-	-	3.2	-	-	13.0	-	-
137.0	80.0	-	-	-	0.0	-	-	0.0	-	-	3.1	-	-
140.0	40.0	-	0.0	3.2	0.0	-	0.0	-	-	-	-	-	-
140.0	50.0	-	0.0	2.9	0.0	-	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

Cyclothone spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
140.0	55.0	–	–	–	2.6	–	–	–	–	–	–	–	–
143.0	35.0	–	2.1	0.0	0.0	–	0.0	–	–	–	–	–	–
143.0	40.0	–	0.0	0.0	2.9	–	0.0	–	–	–	–	–	–

Diplophos taenia

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.4	–	–
150.0	40.0	–	2.3	0.0	0.0	–	–	–	–	–	–	–	–
157.0	15.0	–	–	–	2.8	–	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	0.0	8.0	–	–	–	0.0	–
107.0	80.0	–	–	–	0.0	0.0	3.6	0.0	–	–	0.0	–	–
107.0	85.0	–	–	–	–	3.6	0.0	0.0	–	–	–	–	–
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	–	2.3	0.0	0.0	–	–
110.0	65.0	–	–	–	–	0.0	0.0	–	4.3	–	–	–	–
113.0	75.0	–	–	–	–	0.0	2.5	0.0	–	–	–	–	–
117.0	85.0	–	–	–	–	–	3.3	–	–	–	–	–	–
120.0	70.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	–	–	0.0	–	–
120.0	85.0	–	–	–	–	–	2.8	–	–	–	–	–	–
123.0	37.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
123.0	50.0	0.0	4.8	0.0	0.0	–	0.0	0.0	–	–	0.0	–	–
123.0	55.0	–	0.0	0.0	0.0	–	0.0	3.1	–	–	–	–	–
127.0	45.0	–	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	–	–
130.0	40.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	50.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–	0.0	–	–
130.0	60.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	35.0	0.0	–	0.0	3.0	–	0.0	0.0	–	–	0.0	–	–
133.0	80.0	–	–	–	0.0	–	–	3.1	–	–	0.0	–	–

Vinciguerria lucetia

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	–	–	–	–	9.5	0.0	0.0	–	–	–	–	–
87.0	80.0	–	–	–	0.0	0.0	0.0	–	–	–	3.2	–	–
90.0	28.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	5.5	0.0
90.0	30.0	–	0.0	0.0	0.0	1.9	0.0	0.0	–	–	0.0	0.0	0.0
90.0	80.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	1.3	–	0.0
90.0	90.0	–	0.0	0.0	0.0	0.0	0.0	42.2	–	–	3.1	–	0.0
93.0	40.0	–	0.0	0.0	0.0	0.0	0.0	2.9	–	–	0.0	0.0	–

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	45.0	-	-	-	0.0	0.0	0.0	6.7	-	-	-	0.0	-
93.0	50.0	-	0.0	0.0	0.0	0.0	0.0	5.6	-	-	-	0.0	-
93.0	70.0	-	0.0	0.0	0.0	0.0	0.0	53.8	-	-	-	6.1	-
93.0	75.0	-	-	-	-	0.0	7.0	78.8	-	-	-	-	-
93.0	80.0	-	-	-	-	0.0	0.0	101.0	-	-	-	313.8	-
93.0	90.0	-	-	-	0.0	0.0	3.8	0.0	-	-	-	96.3	-
97.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	2.1	-
97.0	35.0	-	-	-	-	-	-	-	-	-	-	3.5	-
97.0	60.0	-	0.0	-	0.0	7.8	0.0	0.0	-	-	-	1.6	-
97.0	65.0	-	-	-	-	43.5	14.2	0.0	-	-	-	-	-
97.0	70.0	-	0.0	-	0.0	113.8	6.4	88.5	-	-	-	14.6	-
97.0	75.0	-	-	-	-	0.0	12.4	111.1	-	-	-	-	-
97.0	80.0	-	-	-	0.0	0.0	0.0	49.9	-	-	-	196.5	-
97.0	85.0	-	-	-	-	0.0	3.0	0.0	-	-	-	-	-
97.0	90.0	-	-	-	0.0	0.0	0.0	27.6	-	-	-	83.7	-
100.0	40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	2.8	3.0
100.0	50.0	-	0.0	0.0	0.0	0.0	0.0	33.5	-	-	-	0.0	-
100.0	60.0	8.9	6.8	3.0	0.0	0.0	0.0	2.7	-	-	-	34.9	-
100.0	65.0	-	-	-	-	111.4	21.6	319.6	-	-	-	-	-
100.0	70.0	-	0.0	-	142.6	601.9	11.2	-	-	-	-	56.8	-
100.0	75.0	-	-	-	-	159.6	24.3	1604.0	-	-	-	-	-
100.0	80.0	-	0.0	-	6.8	349.4	0.0	-	-	-	-	92.7	-
100.0	85.0	-	-	-	-	10.3	3.1	-	-	-	-	-	-
100.0	90.0	-	0.0	-	0.0	0.0	2.8	-	-	-	-	74.2	-
103.0	35.0	2.9	0.0	0.0	0.0	0.0	20.5	0.0	-	-	-	0.0	-
103.0	40.0	0.0	0.0	0.0	0.0	10.3	49.7	0.0	-	-	-	0.0	-
103.0	45.0	-	-	-	0.0	0.0	3.9	0.0	-	-	-	-	-
103.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	85.3	0.0
103.0	55.0	-	-	-	0.0	3.6	0.0	2.6	-	-	-	-	-
103.0	60.0	3.2	0.0	-	139.8	6.9	10.1	120.2	-	-	-	579.2	-
103.0	65.0	-	-	-	-	84.8	162.4	63.6	-	-	-	-	-
103.0	70.0	-	6.5	49.6	819.2	57.8	187.5	15.3	-	-	-	417.5	-
103.0	75.0	-	-	-	-	87.9	673.7	155.2	-	-	-	-	-
103.0	80.0	-	-	-	508.7	957.0	465.8	-	-	-	-	91.5	-
103.0	85.0	-	-	-	-	1122.9	235.0	-	-	-	-	-	-
103.0	90.0	-	-	-	112.7	275.4	447.0	-	-	-	-	-	-
107.0	35.0	0.0	-	0.0	0.0	0.0	3.4	0.0	-	-	5.2	-	-
107.0	40.0	0.0	0.0	3.1	0.0	24.8	3.4	4.6	-	-	7.3	-	-
107.0	45.0	-	-	-	2.8	0.0	3.3	22.5	-	-	-	-	-
107.0	50.0	2.7	16.3	0.0	0.0	17.4	5.9	0.0	-	-	151.9	-	-
107.0	55.0	-	-	-	63.6	4.3	9.4	0.0	-	-	-	-	-
107.0	60.0	3.2	0.0	22.8	493.5	296.8	33.9	156.4	-	-	145.5	-	7.4
107.0	65.0	-	-	-	-	561.7	36.0	141.1	-	-	-	-	-
107.0	70.0	-	0.0	40.4	119.4	1123.4	144.4	0.0	-	-	26.0	-	-
107.0	75.0	-	-	-	-	159.0	144.8	136.5	-	-	-	-	-
107.0	80.0	-	-	-	13.3	287.1	178.0	430.3	-	-	67.4	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	85.0	-	-	-	-	380.9	127.6	485.8	-	-	-	-	-
107.0	90.0	-	-	-	19.6	176.3	512.0	456.9	-	-	-	-	-
110.0	33.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	42.7	-	-
110.0	35.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	7.1	12.3	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	11.9	8.6	8.4	-	-
110.0	45.0	-	-	-	0.0	0.0	12.1	-	84.2	-	-	-	-
110.0	50.0	19.1	5.3	0.0	0.0	0.0	5.9	-	72.4	-	76.7	-	-
110.0	55.0	-	-	-	0.0	0.0	0.0	-	26.4	-	-	-	-
110.0	60.0	0.0	0.0	0.0	19.4	0.0	11.9	-	15.8	-	198.8	-	-
110.0	65.0	-	-	-	-	0.0	2.5	-	506.6	-	-	-	-
110.0	70.0	-	0.0	3.1	99.0	5.3	42.0	-	6.8	-	570.9	-	114.5
110.0	75.0	-	-	-	-	14.5	100.4	-	107.3	-	-	-	-
110.0	80.0	-	5.1	-	103.5	78.5	82.6	-	154.4	-	30.6	-	-
110.0	85.0	-	-	-	-	130.7	38.5	-	116.2	-	-	-	-
110.0	90.0	-	5.8	-	30.1	465.1	7.1	-	318.1	-	-	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	325.5	45.4	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	690.2	3.1	-	-
113.0	50.0	5.6	0.0	0.0	0.0	2.7	0.0	0.0	-	-	86.4	-	-
113.0	55.0	-	-	-	9.5	0.0	0.0	0.0	-	-	-	-	-
113.0	60.0	5.5	0.0	0.0	14.2	5.9	2.9	36.7	-	-	75.7	-	-
113.0	65.0	-	-	-	-	0.0	0.0	150.9	-	-	-	-	-
113.0	70.0	15.8	0.0	24.4	0.0	5.2	10.1	161.0	-	-	117.8	-	-
113.0	75.0	-	-	-	-	0.0	25.4	20.0	-	-	-	-	-
113.0	80.0	-	-	-	5.9	0.0	25.2	68.8	-	-	413.7	-	-
113.0	85.0	-	-	-	-	-	2.9	-	-	-	-	-	-
113.0	90.0	-	-	-	-	-	72.7	-	-	-	-	-	-
115.0	30.0	-	-	-	-	-	-	-	3.4	0.0	-	-	-
115.0	35.0	-	-	-	-	-	-	-	0.0	5.8	-	-	-
115.0	40.0	-	-	-	-	-	-	-	9.2	109.1	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	-	-
117.0	30.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0	2.9	3.1	51.0	-	-
117.0	35.0	0.0	0.0	13.8	0.0	0.0	0.0	3.8	6.4	3.0	24.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	11.6	-	-
117.0	45.0	-	-	-	0.0	2.3	0.0	18.7	-	-	-	-	-
117.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	83.7	-	-
117.0	55.0	-	-	-	0.0	0.0	0.0	24.1	-	-	-	-	-
117.0	60.0	0.0	7.3	122.8	5.3	0.0	0.0	195.4	-	-	306.0	-	-
117.0	65.0	-	-	-	-	0.0	0.0	84.6	-	-	-	-	-
117.0	70.0	16.6	0.0	455.8	16.0	31.8	0.0	3.3	-	-	29.1	-	-
117.0	75.0	-	-	-	-	21.5	891.1	64.0	-	-	-	-	-
117.0	80.0	-	-	-	9.7	69.7	429.0	0.0	-	-	22.1	-	-
117.0	85.0	-	-	-	-	-	53.3	-	-	-	-	-	-
117.0	90.0	-	-	-	-	-	99.5	-	-	-	-	-	-
118.5	35.0	-	-	-	-	-	-	-	3.1	-	-	-	-
119.0	33.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	40.0	1.3	4.7	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	45.0	0.0	11.1	-	-	0.0	19.3	0.0	49.8	0.0	2.8	-	-
120.0	50.0	2.7	82.8	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	55.0	0.0	86.9	-	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	60.0	5.3	44.2	45.8	0.0	0.0	0.0	7.0	-	-	33.1	-	-
120.0	65.0	-	-	-	-	12.1	0.0	24.8	-	-	-	-	-
120.0	70.0	70.8	0.0	29.8	107.8	846.7	0.0	13.4	-	-	88.0	-	-
120.0	75.0	-	-	-	-	225.0	14.0	13.6	-	-	-	-	-
120.0	80.0	-	27.0	87.8	24.4	241.0	198.7	0.0	-	-	167.0	-	-
120.0	85.0	-	-	-	-	-	459.7	-	-	-	-	-	-
120.0	90.0	-	-	-	-	-	332.4	-	-	-	210.9	-	-
123.0	37.0	12.3	5.1	0.0	0.0	0.0	0.0	2.9	0.0	10.1	0.0	-	-
123.0	42.0	38.8	5.3	0.0	0.0	0.0	64.7	15.7	89.1	9.5	0.0	-	-
123.0	45.0	-	-	-	-	-	-	-	3.0	6.5	-	-	-
123.0	50.0	28.4	9.5	54.0	0.0	-	19.0	0.0	-	-	5.1	-	-
123.0	55.0	-	49.9	144.5	0.0	-	81.9	420.2	-	-	-	-	-
123.0	60.0	2.7	31.1	73.6	18.3	-	125.2	225.6	-	-	33.7	-	-
123.0	70.0	-	-	-	68.3	-	-	518.1	-	-	89.6	-	-
123.0	80.0	-	-	-	137.8	-	-	417.0	-	-	41.3	-	-
127.0	34.0	0.0	52.6	9.1	1.6	2.9	0.0	0.0	0.0	0.0	0.0	-	-
127.0	40.0	10.9	1098.2	37.5	0.0	16.4	5.5	79.3	369.6	148.8	83.2	-	-
127.0	45.0	-	371.5	0.0	3.0	10.7	119.1	90.7	401.8	181.4	34.4	-	-
127.0	50.0	155.2	50.2	6.3	0.0	-	5.8	205.9	-	-	13.0	-	-
127.0	55.0	-	24.2	0.0	250.3	-	2.3	377.9	-	-	-	-	-
127.0	60.0	11.3	125.5	54.6	69.2	-	405.9	107.3	-	-	3.3	-	-
127.0	70.0	-	-	-	48.8	-	-	14.1	-	-	9.2	-	-
127.0	80.0	-	-	-	8.2	-	-	-	-	-	122.7	-	-
130.0	30.0	0.0	32.0	10.7	0.0	2.9	0.0	31.1	0.0	0.0	0.0	-	-
130.0	35.0	21.1	270.3	28.0	16.8	0.0	0.0	44.2	50.5	3.1	4.3	-	-
130.0	40.0	57.8	198.4	169.5	0.0	15.3	28.2	6.6	74.3	0.0	68.3	-	-
130.0	45.0	-	-	-	-	-	3.0	5.9	56.7	17.9	-	-	-
130.0	50.0	70.8	17.9	177.3	36.7	210.5	3.3	6.2	-	-	69.5	-	-
130.0	55.0	-	-	-	177.1	-	3.0	0.0	-	-	-	-	-
130.0	60.0	140.6	57.6	51.8	24.6	84.9	0.0	10.4	-	-	6.8	-	-
130.0	70.0	-	-	-	17.6	-	-	0.0	-	-	29.9	-	-
130.0	80.0	-	-	-	8.6	-	-	261.4	-	-	131.6	-	-
133.0	25.0	15.8	0.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	30.0	31.7	9.5	32.8	0.0	2.3	0.0	0.0	20.8	7.1	0.0	-	-
133.0	35.0	33.7	-	45.1	41.7	-	0.0	3.4	-	-	6.6	-	-
133.0	40.0	16.0	40.1	40.2	29.7	5.3	0.0	0.0	-	-	6.1	-	-
133.0	45.0	-	-	-	52.8	-	0.0	0.0	-	-	-	-	-
133.0	50.0	-	143.1	22.7	69.7	0.0	0.0	0.0	-	-	52.5	-	-
133.0	55.0	-	-	-	28.9	-	-	-	-	-	-	-	-
133.0	60.0	-	-	-	13.1	-	-	255.8	-	-	164.1	-	-
133.0	70.0	-	-	-	2.9	-	-	48.0	-	-	79.0	-	-
133.0	80.0	-	-	-	34.4	-	-	118.9	-	-	20.4	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	-	-
137.0	30.0	5.7	0.0	8.4	0.0	0.0	0.0	86.3	345.4	59.2	81.6	-	-
137.0	35.0	24.0	73.8	23.4	-	-	2.5	3.6	-	-	65.7	-	-
137.0	40.0	-	99.0	160.1	0.0	-	2.5	3.7	-	-	6.3	-	-
137.0	45.0	-	-	-	4.8	-	29.3	6.6	-	-	-	-	-
137.0	50.0	-	57.1	28.4	8.8	50.8	22.8	9.9	-	-	78.8	-	-
137.0	55.0	-	-	-	17.3	-	-	-	-	-	-	-	-
137.0	60.0	-	-	-	0.0	-	-	122.4	-	-	83.4	-	-
137.0	70.0	-	-	-	106.8	-	-	451.9	-	-	169.0	-	-
137.0	80.0	-	-	-	73.6	-	-	220.2	-	-	78.5	-	-
140.0	30.0	-	0.0	2.7	0.0	-	0.0	-	-	-	-	-	-
140.0	35.0	-	3.7	112.8	0.0	-	0.0	-	-	-	-	-	-
140.0	40.0	-	102.6	19.1	0.0	-	202.9	-	-	-	-	-	-
140.0	45.0	-	-	-	22.8	-	-	-	-	-	-	-	-
140.0	50.0	-	235.9	14.5	90.4	-	337.0	-	-	-	-	-	-
140.0	55.0	-	-	-	10.2	-	-	-	-	-	-	-	-
140.0	60.0	-	-	-	32.9	-	-	-	-	-	-	-	-
140.0	70.0	-	-	-	28.6	-	-	-	-	-	-	-	-
140.0	80.0	-	-	-	34.7	-	-	-	-	-	-	-	-
143.0	30.0	-	16.7	0.0	5.0	-	0.0	-	-	-	-	-	-
143.0	35.0	-	14.6	19.5	27.7	-	0.0	-	-	-	-	-	-
143.0	40.0	-	0.0	24.6	48.6	-	0.0	-	-	-	-	-	-
143.0	50.0	-	36.1	0.0	-	-	584.3	-	-	-	-	-	-
147.0	20.0	-	27.8	0.0	0.0	-	-	-	-	-	-	-	-
147.0	25.0	-	65.3	2.6	0.0	-	-	-	-	-	-	-	-
147.0	30.0	-	28.7	0.0	0.0	-	-	-	-	-	-	-	-
147.0	40.0	-	9.0	12.0	19.7	-	-	-	-	-	-	-	-
147.0	45.0	-	-	-	20.7	-	-	-	-	-	-	-	-
147.0	55.0	-	-	-	10.2	-	-	-	-	-	-	-	-
147.0	60.0	-	-	-	4.8	-	-	-	-	-	-	-	-
147.0	70.0	-	-	-	14.0	-	-	-	-	-	-	-	-
147.0	80.0	-	-	-	17.3	-	-	-	-	-	-	-	-
148.0	20.0	-	-	-	-	-	78.6	-	-	-	-	-	-
148.0	25.0	-	-	-	-	-	51.1	-	-	-	-	-	-
148.0	30.0	-	-	-	-	-	124.9	-	-	-	-	-	-
148.0	40.0	-	-	-	-	-	84.8	-	-	-	-	-	-
150.0	16.0	-	-	-	2.9	-	-	-	-	-	-	-	-
150.0	19.0	-	24.8	2.3	-	-	-	-	-	-	-	-	-
150.0	20.0	-	-	-	11.9	-	-	-	-	-	-	-	-
150.0	25.0	-	3.1	2.8	0.0	-	-	-	-	-	-	-	-
150.0	30.0	-	-	17.6	0.0	-	-	-	-	-	-	-	-
150.0	35.0	-	0.0	-	11.1	-	-	-	-	-	-	-	-
150.0	40.0	-	18.3	10.5	2131.9	-	-	-	-	-	-	-	-
153.0	16.0	-	11.3	-	0.0	-	244.4	-	-	-	-	-	-
153.0	20.0	-	13.6	-	158.9	-	14.9	-	-	-	-	-	-
153.0	25.0	-	-	-	28.2	-	83.6	-	-	-	-	-	-

TABLE 4. (cont.)

Vinciguerria lucetia (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
153.0	30.0	-	24.1	-	227.0	-	40.8	-	-	-	-	-	-
153.0	35.0	-	-	-	9.6	-	-	-	-	-	-	-	-
153.0	40.0	-	90.0	-	23.0	-	43.3	-	-	-	-	-	-
153.0	45.0	-	-	-	10.9	-	-	-	-	-	-	-	-
153.0	50.0	-	-	-	32.9	-	-	-	-	-	-	-	-
153.0	55.0	-	-	-	7.6	-	-	-	-	-	-	-	-
153.0	60.0	-	-	-	12.9	-	-	-	-	-	-	-	-
157.0	15.0	-	-	-	203.7	-	46.5	-	-	-	-	-	-
157.0	20.0	-	301.9	-	224.7	-	38.9	-	-	-	-	-	-
157.0	25.0	-	-	-	5.7	-	127.4	-	-	-	-	-	-
157.0	30.0	-	705.6	-	10.9	-	545.2	-	-	-	-	-	-
157.0	35.0	-	-	-	32.3	-	-	-	-	-	-	-	-
157.0	40.0	-	-	-	53.2	-	228.7	-	-	-	-	-	-

Sternoptychidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	90.0	-	-	-	0.0	0.0	0.0	0.0	-	-	2.7	-	0.0
90.0	28.0	-	0.0	0.0	0.0	0.0	0.0	2.0	-	-	0.0	0.0	0.0
97.0	55.0	-	-	-	-	0.0	0.0	2.9	-	-	-	0.0	-
97.0	70.0	-	0.0	-	2.8	0.0	0.0	0.0	-	-	-	0.0	-
97.0	80.0	-	-	-	0.0	0.0	0.0	0.0	-	-	-	3.3	-
97.0	90.0	-	-	-	0.0	0.0	0.0	2.5	-	-	-	3.1	-
100.0	29.0	-	0.0	3.5	0.0	0.0	0.0	0.0	-	-	-	0.0	-
100.0	40.0	-	0.0	0.0	0.0	0.0	3.9	0.0	-	-	-	0.0	0.0
100.0	65.0	-	-	-	-	3.0	0.0	0.0	-	-	-	-	-
100.0	70.0	-	0.0	-	1.8	3.4	0.0	-	-	-	-	0.0	-
103.0	60.0	0.0	0.0	-	3.4	0.0	0.0	0.0	-	-	-	0.0	-
103.0	65.0	-	-	-	-	5.3	0.0	0.0	-	-	-	-	-
103.0	70.0	-	0.0	0.0	0.0	3.2	3.3	0.0	-	-	-	0.0	-
103.0	85.0	-	-	-	-	4.8	0.0	-	-	-	-	-	-
103.0	90.0	-	-	-	3.1	2.7	0.0	-	-	-	-	-	-
107.0	35.0	0.0	-	0.0	0.0	0.0	3.4	0.0	-	-	0.0	-	-
107.0	40.0	0.0	0.0	0.0	3.3	2.3	0.0	0.0	-	-	0.0	-	-
107.0	45.0	-	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	0.0	3.5	8.5	3.4	6.8	-	-	0.0	-	3.7
107.0	65.0	-	-	-	-	3.0	0.0	3.4	-	-	-	-	-
107.0	70.0	-	0.0	0.0	0.0	9.4	0.0	0.0	-	-	0.0	-	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	3.5	-	-
110.0	65.0	-	-	-	-	0.0	0.0	-	4.3	-	-	-	-
110.0	70.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	-	3.3	-	0.0
110.0	80.0	-	0.0	-	3.3	3.0	0.0	-	0.0	-	0.0	-	-
110.0	85.0	-	-	-	-	2.8	0.0	-	0.0	-	-	-	-
113.0	60.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	-	-	0.0	-	-
120.0	45.0	0.0	0.0	-	-	2.5	0.0	0.0	0.0	0.0	0.0	-	-

TABLE 4. (cont.)

Sternoptychidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	60.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	65.0	–	–	–	–	0.0	0.0	3.5	–	–	–	–	–
123.0	45.0	–	–	–	–	–	–	–	3.0	0.0	–	–	–
123.0	70.0	–	–	–	0.0	–	–	3.3	–	–	0.0	–	–
127.0	40.0	0.0	14.1	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	–	–
127.0	50.0	7.9	2.6	0.0	0.0	–	0.0	0.0	–	–	4.3	–	–
130.0	35.0	5.3	4.4	0.0	0.0	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	0.0	0.0	5.3	–	–
130.0	50.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
130.0	80.0	–	–	–	0.0	–	–	7.3	–	–	0.0	–	–
133.0	40.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	45.0	–	–	–	2.8	–	0.0	0.0	–	–	–	–	–
133.0	50.0	–	3.2	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	3.5	0.0	0.0	0.0	–	–
140.0	40.0	–	8.6	0.0	0.0	–	0.0	–	–	–	–	–	–
140.0	45.0	–	–	–	2.3	–	–	–	–	–	–	–	–
140.0	50.0	–	6.7	0.0	0.0	–	0.0	–	–	–	–	–	–
140.0	70.0	–	–	–	5.7	–	–	–	–	–	–	–	–
143.0	40.0	–	0.0	0.0	0.0	–	3.8	–	–	–	–	–	–
147.0	25.0	–	3.6	0.0	0.0	–	–	–	–	–	–	–	–

Chauliodus macouni

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	70.0	–	–	–	–	3.6	0.0	0.0	–	–	–	–	–
67.0	60.0	–	–	–	–	3.5	0.0	3.3	–	–	–	–	–
67.0	70.0	–	–	–	–	8.2	0.0	0.0	–	–	–	–	–
67.0	90.0	–	–	–	–	–	3.2	–	–	–	–	–	–
70.0	70.0	–	–	–	–	8.9	0.0	0.0	–	–	–	0.0	–
73.0	60.0	–	–	–	–	4.6	0.0	0.0	–	–	–	0.0	–
73.0	70.0	–	–	–	–	0.0	3.1	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	80.0	–	0.0	5.8	0.0	0.0	0.0	0.0	–	–	–	–	0.0
80.0	90.0	–	0.0	5.9	0.0	3.7	0.0	0.0	–	–	0.0	–	3.2
82.0	47.0	–	0.0	0.0	0.0	0.0	0.0	2.6	–	–	0.0	0.0	–
83.0	43.0	–	0.0	0.0	0.0	0.0	0.0	2.1	–	–	0.0	0.0	–
83.0	60.0	–	9.4	0.0	7.4	0.0	0.0	5.4	–	–	0.0	0.0	–
83.0	70.0	–	–	0.0	0.0	0.0	0.0	2.9	–	–	0.0	–	–
83.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.6	–	–
87.0	60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.3	0.0	–
87.0	65.0	–	–	–	–	0.0	0.0	6.8	–	–	–	–	–
87.0	75.0	–	–	–	–	0.0	0.0	3.8	–	–	–	–	–
87.0	85.0	–	–	–	–	0.0	2.7	0.0	–	–	–	–	–
87.0	90.0	–	–	–	0.0	0.0	0.0	0.0	–	–	0.0	–	3.2
90.0	28.0	–	0.0	0.0	0.0	0.0	0.0	2.0	–	–	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.
90.0	65.0	–	–	–	–	0.0	3.1	0.0	–	–	–	–	–
90.0	70.0	–	0.0	0.0	0.0	3.3	0.0	0.0	–	–	0.0	–	0.0
90.0	75.0	–	–	–	–	0.0	0.0	4.8	–	–	–	–	–
93.0	50.0	–	0.0	0.0	0.0	0.0	0.0	2.8	–	–	–	0.0	–
93.0	55.0	–	–	–	0.0	0.0	3.3	3.0	–	–	–	0.0	–
93.0	70.0	–	0.0	0.0	0.0	5.4	0.0	0.0	–	–	–	0.0	–
93.0	75.0	–	–	–	–	0.0	7.0	0.0	–	–	–	–	–
97.0	45.0	–	–	–	0.0	2.6	0.0	0.0	–	–	–	0.0	–
97.0	70.0	–	0.0	–	0.0	0.0	0.0	3.0	–	–	–	0.0	–
97.0	90.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	3.1	–
100.0	33.0	–	0.0	0.0	5.2	0.0	0.0	–	–	–	–	–	–
100.0	40.0	–	0.0	0.0	4.9	0.0	0.0	0.0	–	–	–	0.0	0.0
100.0	45.0	–	–	–	0.0	0.0	3.0	0.0	–	–	–	–	–
100.0	50.0	–	0.0	0.0	0.0	2.4	0.0	0.0	–	–	–	0.0	–
100.0	55.0	–	–	–	0.0	0.0	0.0	2.6	–	–	–	–	–
100.0	80.0	–	0.0	–	0.0	2.2	0.0	–	–	–	–	0.0	–
100.0	90.0	–	0.0	–	5.3	0.0	0.0	–	–	–	–	0.0	–
103.0	50.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	–	–	–	0.0	0.0
103.0	65.0	–	–	–	–	0.0	3.7	0.0	–	–	–	–	–
103.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	3.3	–
110.0	70.0	–	0.0	0.0	0.0	0.0	0.0	–	0.0	–	0.0	–	3.2

Idiacanthus antrostomus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	60.0	–	–	–	–	0.0	0.0	7.1	–	–	–	0.0	–
77.0	80.0	–	–	–	–	0.0	0.0	3.7	–	–	–	–	–
83.0	55.0	–	–	–	–	0.0	0.0	0.0	–	–	–	2.3	–
83.0	60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.5	–
90.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	6.2
90.0	90.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	3.3
93.0	90.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	3.4	–
97.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	3.3	–
100.0	70.0	–	0.0	–	3.5	0.0	0.0	–	–	–	–	0.0	–
100.0	75.0	–	–	–	–	0.0	0.0	3.2	–	–	–	–	–
100.0	80.0	–	0.0	–	0.0	0.0	0.0	–	–	–	–	3.0	–
100.0	90.0	–	0.0	–	0.0	0.0	2.8	–	–	–	–	0.0	–
103.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	3.4	0.0
103.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	3.3	–
103.0	75.0	–	–	–	–	0.0	6.8	0.0	–	–	–	–	–
103.0	80.0	–	–	–	0.0	0.0	3.3	–	–	–	–	0.0	–
107.0	90.0	–	–	–	0.0	0.0	0.0	3.4	–	–	–	–	–
110.0	70.0	–	0.0	0.0	0.0	0.0	0.0	–	0.0	–	19.8	–	0.0
113.0	50.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Aristostomias scintillans

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	75.0	–	–	–	–	0.0	0.0	3.6	–	–	–	–	–
97.0	75.0	–	–	–	–	3.3	0.0	0.0	–	–	–	–	–
100.0	70.0	–	0.0	–	1.8	0.0	0.0	–	–	–	–	0.0	–
100.0	80.0	–	0.0	–	0.0	4.3	0.0	–	–	–	–	0.0	–
100.0	85.0	–	–	–	–	6.8	0.0	–	–	–	–	–	–
103.0	70.0	–	0.0	0.0	0.0	6.4	0.0	0.0	–	–	–	0.0	–
103.0	75.0	–	–	–	–	2.9	0.0	0.0	–	–	–	–	–
103.0	85.0	–	–	–	–	4.8	0.0	–	–	–	–	–	–
103.0	90.0	–	–	–	3.1	0.0	0.0	–	–	–	–	–	–
107.0	55.0	–	–	–	3.2	0.0	0.0	0.0	–	–	–	–	–

Bathophilus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	90.0	–	–	–	0.0	0.0	3.0	–	–	–	–	–	–
107.0	70.0	–	0.0	0.0	0.0	4.7	0.0	0.0	–	–	0.0	–	–
110.0	90.0	–	0.0	–	0.0	3.0	0.0	–	0.0	–	–	–	–
120.0	65.0	–	–	–	–	6.1	0.0	0.0	–	–	–	–	–

Tactostoma macropus

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	0.0	2.7	–	–	0.0	–	0.0
83.0	65.0	–	–	–	–	–	3.2	0.0	–	–	–	–	–
83.0	70.0	–	–	0.0	0.0	0.0	27.0	0.0	–	–	0.0	–	–
83.0	85.0	–	–	–	–	–	2.9	0.0	–	–	–	–	–
83.0	90.0	–	–	–	0.0	0.0	8.9	–	–	–	0.0	–	0.0
87.0	80.0	–	–	–	0.0	0.0	0.0	–	–	–	3.2	–	–
90.0	90.0	–	0.0	0.0	0.0	0.0	0.0	5.3	–	–	0.0	–	0.0
110.0	70.0	–	0.0	0.0	3.3	0.0	0.0	–	0.0	–	0.0	–	0.0
130.0	60.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–	0.0	–	–

Stomias atriventer

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	90.0	–	–	–	–	–	3.2	–	–	–	–	–	–
77.0	90.0	–	–	–	–	–	3.1	0.0	–	–	–	–	–
93.0	80.0	–	–	–	–	0.0	0.0	2.6	–	–	–	0.0	–
97.0	75.0	–	–	–	–	0.0	3.1	0.0	–	–	–	–	–
100.0	60.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	–	–	–	0.0	–
100.0	70.0	–	0.0	–	1.8	0.0	0.0	–	–	–	–	0.0	–
100.0	90.0	–	0.0	–	0.0	3.2	0.0	–	–	–	–	0.0	–
103.0	60.0	0.0	0.0	–	0.0	0.0	0.0	2.7	–	–	–	0.0	–

TABLE 4. (cont.)

Stomias atriventer (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	70.0	-	0.0	0.0	3.2	0.0	0.0	0.0	-	-	-	0.0	-
103.0	85.0	-	-	-	-	4.8	0.0	-	-	-	-	-	-
107.0	40.0	0.0	0.0	0.0	3.3	2.3	0.0	0.0	-	-	0.0	-	-
107.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	4.3	-	-
107.0	60.0	0.0	0.0	3.8	3.5	0.0	0.0	0.0	-	-	0.0	-	0.0
107.0	70.0	-	2.3	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	35.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	2.5	-	-
110.0	55.0	-	-	-	0.0	0.0	0.0	-	9.9	-	-	-	-
110.0	70.0	-	0.0	0.0	0.0	0.0	3.5	-	0.0	-	0.0	-	0.0
110.0	80.0	-	0.0	-	0.0	3.0	0.0	-	0.0	-	0.0	-	-
113.0	35.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	-	-	0.0	-	-
113.0	60.0	0.0	0.0	0.0	3.5	0.0	0.0	3.7	-	-	0.0	-	-
113.0	65.0	-	-	-	-	5.4	0.0	0.0	-	-	-	-	-
117.0	55.0	-	-	-	0.0	0.0	0.0	3.0	-	-	-	-	-
117.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	20.7	-	-	0.0	-	-
117.0	70.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	-	-	2.2	-	-
120.0	55.0	0.0	0.0	-	0.0	2.8	0.0	0.0	-	-	-	-	-
120.0	65.0	-	-	-	-	6.1	0.0	0.0	-	-	-	-	-
120.0	70.0	0.0	0.0	3.7	0.0	5.9	0.0	0.0	-	-	0.0	-	-
120.0	75.0	-	-	-	-	0.0	0.0	3.4	-	-	-	-	-
123.0	42.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	50.0	2.8	0.0	6.0	0.0	-	0.0	0.0	-	-	0.0	-	-
123.0	55.0	-	4.5	0.0	0.0	-	0.0	3.1	-	-	-	-	-
123.0	80.0	-	-	-	2.5	-	-	0.0	-	-	0.0	-	-
127.0	40.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	-	-
127.0	50.0	13.2	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	-	-
127.0	55.0	-	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	-	-	0.0	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-
130.0	40.0	0.0	0.0	2.7	0.0	2.2	0.0	0.0	0.0	0.0	0.0	-	-
130.0	50.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
130.0	60.0	2.9	2.6	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
133.0	40.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	-	-	0.0	-	-
133.0	45.0	-	-	-	2.8	-	0.0	0.0	-	-	-	-	-
133.0	50.0	-	0.0	0.0	3.2	0.0	0.0	0.0	-	-	0.0	-	-
133.0	60.0	-	-	-	0.0	-	-	6.2	-	-	0.0	-	-
137.0	35.0	0.0	0.0	5.8	-	-	0.0	0.0	-	-	0.0	-	-
137.0	40.0	-	0.0	5.8	0.0	-	0.0	0.0	-	-	0.0	-	-
137.0	45.0	-	-	-	0.0	-	0.0	3.3	-	-	-	-	-
137.0	70.0	-	-	-	0.0	-	-	0.0	-	-	3.3	-	-
140.0	40.0	-	0.0	3.2	0.0	-	2.8	-	-	-	-	-	-
143.0	40.0	-	0.0	0.0	2.9	-	0.0	-	-	-	-	-	-
143.0	50.0	-	0.0	0.0	-	-	3.5	-	-	-	-	-	-
148.0	25.0	-	-	-	-	-	3.7	-	-	-	-	-	-
148.0	40.0	-	-	-	-	-	6.1	-	-	-	-	-	-

TABLE 4. (cont.)

Stomias atriventer (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
150.0	40.0	-	0.0	0.0	6.5	-	-	-	-	-	-	-	-
153.0	16.0	-	3.8	-	0.0	-	0.0	-	-	-	-	-	-

Anotopterus pharao

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
115.0	40.0	-	-	-	-	-	-	-	0.0	3.2	-	-	-

Paralepididae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	80.0	-	-	-	-	8.4	0.0	-	-	-	-	-	-
67.0	80.0	-	-	-	-	0.0	0.0	3.2	-	-	-	-	-
67.0	90.0	-	-	-	-	-	3.2	-	-	-	-	-	-
70.0	70.0	-	-	-	-	0.0	0.0	0.0	-	-	-	2.5	-
70.0	80.0	-	-	-	-	0.0	0.0	-	-	-	-	6.2	-
77.0	80.0	-	-	-	-	0.0	0.0	3.7	-	-	-	-	-
80.0	55.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	0.0	0.0
80.0	80.0	-	0.0	0.0	0.0	3.2	0.0	0.0	-	-	-	-	0.0
80.0	90.0	-	0.0	0.0	0.0	3.7	0.0	2.7	-	-	0.0	-	0.0
82.0	47.0	-	0.0	2.8	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
83.0	51.0	-	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	3.3	-
83.0	55.0	-	-	-	-	0.0	0.0	0.0	-	-	-	2.3	-
83.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	7.0	2.5	-
83.0	70.0	-	-	0.0	0.0	0.0	3.0	0.0	-	-	2.3	-	-
87.0	55.0	-	0.0	-	-	0.0	0.0	0.0	-	-	7.2	0.0	-
87.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	6.7	0.0	-
87.0	70.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	8.9	-	-
87.0	80.0	-	-	-	0.0	0.0	0.0	-	-	-	6.4	-	-
87.0	90.0	-	-	-	0.0	0.0	6.0	0.0	-	-	0.0	-	0.0
90.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	3.3
90.0	70.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	3.1
90.0	80.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	1.3	-	2.8
93.0	60.0	-	0.0	0.0	0.0	3.1	0.0	0.0	-	-	-	0.0	-
93.0	70.0	-	0.0	0.0	0.0	0.0	0.0	11.5	-	-	-	0.0	-
93.0	80.0	-	-	-	-	0.0	0.0	5.2	-	-	-	0.0	-
97.0	60.0	-	0.0	-	0.0	11.8	3.0	0.0	-	-	-	0.0	-
97.0	65.0	-	-	-	-	0.0	7.1	0.0	-	-	-	-	-
97.0	70.0	-	0.0	-	0.0	7.1	3.2	5.9	-	-	-	0.0	-
97.0	75.0	-	-	-	-	0.0	0.0	5.7	-	-	-	-	-
97.0	80.0	-	-	-	0.0	0.0	0.0	2.8	-	-	-	0.0	-
100.0	65.0	-	-	-	-	0.0	0.0	10.5	-	-	-	-	-
100.0	70.0	-	0.0	-	1.8	6.8	0.0	-	-	-	-	0.0	-
100.0	75.0	-	-	-	-	0.0	6.1	3.2	-	-	-	-	-

TABLE 4. (cont.)

Paralepididae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	80.0	-	0.0	-	0.0	10.9	0.0	-	-	-	-	0.0	-
100.0	85.0	-	-	-	-	3.4	0.0	-	-	-	-	-	-
100.0	90.0	-	0.0	-	0.0	3.2	8.4	-	-	-	-	0.0	-
103.0	35.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	-	-	-	0.0	-
103.0	40.0	0.0	0.0	0.0	0.0	3.4	11.5	0.0	-	-	-	0.0	-
103.0	55.0	-	-	-	2.8	0.0	0.0	2.6	-	-	-	-	-
103.0	60.0	0.0	0.0	-	0.0	0.0	0.0	2.7	-	-	-	0.0	-
103.0	65.0	-	-	-	-	8.0	3.7	0.0	-	-	-	-	-
103.0	70.0	-	0.0	6.2	3.2	0.0	0.0	0.0	-	-	-	0.0	-
103.0	80.0	-	-	-	0.0	3.4	0.0	-	-	-	-	0.0	-
103.0	85.0	-	-	-	-	4.8	0.0	-	-	-	-	-	-
107.0	35.0	0.0	-	0.0	0.0	2.1	6.8	0.0	-	-	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	-	-	0.0	-	-
107.0	50.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	0.0	4.3	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.7	-	0.0
107.0	65.0	-	-	-	-	6.0	0.0	3.4	-	-	-	-	-
107.0	70.0	-	0.0	6.2	4.3	9.4	3.2	0.0	-	-	0.0	-	-
107.0	80.0	-	-	-	0.0	3.2	0.0	0.0	-	-	0.0	-	-
107.0	90.0	-	-	-	0.0	0.0	0.0	13.6	-	-	-	-	-
110.0	33.0	-	0.0	0.0	0.0	0.0	3.2	-	0.0	0.0	0.0	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.3	0.0	0.0	-	-
110.0	55.0	-	-	-	3.0	0.0	0.0	-	0.0	-	-	-	-
110.0	65.0	-	-	-	-	0.0	0.0	-	4.3	-	-	-	-
110.0	70.0	-	0.0	3.1	0.0	0.0	3.5	-	0.0	-	0.0	-	0.0
110.0	90.0	-	0.0	-	0.0	3.0	0.0	-	3.4	-	-	-	-
113.0	45.0	-	-	-	0.0	2.7	0.0	0.0	-	-	-	-	-
113.0	80.0	-	-	-	0.0	0.0	5.0	0.0	-	-	0.0	-	-
117.0	80.0	-	-	-	2.4	0.0	0.0	0.0	-	-	0.0	-	-
120.0	65.0	-	-	-	-	6.1	0.0	0.0	-	-	-	-	-
120.0	80.0	-	0.0	0.0	0.0	5.0	0.0	0.0	-	-	0.0	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-
123.0	50.0	0.0	0.0	0.0	0.0	-	3.2	0.0	-	-	0.0	-	-
123.0	70.0	-	-	-	0.0	-	-	3.3	-	-	0.0	-	-
123.0	80.0	-	-	-	0.0	-	-	3.0	-	-	0.0	-	-
137.0	35.0	2.7	0.0	0.0	-	-	0.0	0.0	-	-	0.0	-	-
157.0	15.0	-	-	-	2.8	-	0.0	-	-	-	-	-	-
157.0	30.0	-	5.9	-	0.0	-	0.0	-	-	-	-	-	-

Aulopus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
148.0	30.0	-	-	-	-	-	6.9	-	-	-	-	-	-

TABLE 4. (cont.)

Scopelarchidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	80.0	-	-	-	-	0.0	0.0	0.0	-	-	-	3.2	-
97.0	75.0	-	-	-	-	3.3	0.0	0.0	-	-	-	-	-
100.0	55.0	-	-	-	0.0	0.0	0.0	2.6	-	-	-	-	-
100.0	65.0	-	-	-	-	0.0	2.7	0.0	-	-	-	-	-
100.0	70.0	-	0.0	-	1.8	10.3	0.0	-	-	-	-	0.0	-
100.0	85.0	-	-	-	-	0.0	3.1	-	-	-	-	-	-
100.0	90.0	-	0.0	-	0.0	3.2	0.0	-	-	-	-	9.3	-
103.0	40.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	-	-	-	0.0	-
103.0	45.0	-	-	-	0.0	0.0	3.9	0.0	-	-	-	-	-
103.0	60.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-	-	9.6	-
103.0	65.0	-	-	-	-	2.7	0.0	0.0	-	-	-	-	-
103.0	70.0	-	0.0	0.0	0.0	0.0	3.3	0.0	-	-	-	0.0	-
103.0	80.0	-	-	-	0.0	0.0	0.0	-	-	-	-	3.0	-
103.0	90.0	-	-	-	0.0	2.7	0.0	-	-	-	-	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	-	-	0.0	-	-
107.0	50.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	3.2	4.3	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.7	-	0.0
107.0	70.0	-	0.0	0.0	2.2	0.0	3.2	0.0	-	-	0.0	-	-
107.0	75.0	-	-	-	-	0.0	6.2	0.0	-	-	-	-	-
107.0	80.0	-	-	-	0.0	0.0	3.6	0.0	-	-	0.0	-	-
107.0	85.0	-	-	-	-	3.6	12.8	0.0	-	-	-	-	-
110.0	70.0	-	0.0	0.0	3.3	0.0	0.0	-	0.0	-	6.6	-	0.0
110.0	85.0	-	-	-	-	5.6	0.0	-	0.0	-	-	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	-	-
113.0	50.0	2.8	0.0	0.0	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	-	-	10.4	-	-
120.0	55.0	0.0	2.3	-	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	70.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	-	-	0.0	-	-
120.0	80.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	14.7	-	-
120.0	90.0	-	-	-	-	-	0.0	-	-	-	3.0	-	-
130.0	60.0	2.9	2.6	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
133.0	80.0	-	-	-	0.0	-	-	0.0	-	-	4.1	-	-
140.0	45.0	-	-	-	2.3	-	-	-	-	-	-	-	-
150.0	40.0	-	0.0	0.0	19.4	-	-	-	-	-	-	-	-
153.0	16.0	-	0.0	-	0.0	-	6.0	-	-	-	-	-	-

Myctophidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	-	-	-	-	0.0	3.7	0.0	-	-	-	-	-
67.0	80.0	-	-	-	-	4.0	0.0	0.0	-	-	-	-	-
70.0	52.0	-	-	-	-	7.0	0.0	0.0	-	-	-	-	-
73.0	80.0	-	-	-	-	0.0	3.1	-	-	-	-	-	-
77.0	55.0	-	-	-	-	7.5	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Myctophidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	80.0	-	-	-	-	0.0	0.0	3.7	-	-	-	-	-
80.0	80.0	-	0.0	0.0	0.0	0.0	0.0	5.2	-	-	-	-	0.0
83.0	55.0	-	-	-	-	6.8	0.0	0.0	-	-	-	0.0	-
83.0	60.0	-	0.0	0.0	0.0	2.9	0.0	0.0	-	-	0.0	0.0	-
87.0	36.0	-	-	0.0	0.0	0.0	-	0.0	-	-	2.9	0.0	-
87.0	90.0	-	-	-	0.0	0.0	3.0	0.0	-	-	0.0	-	0.0
90.0	37.0	-	0.0	0.0	0.0	0.0	0.0	2.4	-	-	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
93.0	40.0	-	0.0	0.0	0.0	2.7	0.0	2.9	-	-	0.0	0.0	-
93.0	45.0	-	-	-	0.0	0.0	0.0	4.4	-	-	-	0.0	-
93.0	60.0	-	0.0	0.0	0.0	3.1	0.0	0.0	-	-	-	0.0	-
93.0	65.0	-	-	-	-	5.1	3.7	0.0	-	-	-	-	-
93.0	70.0	-	0.0	0.0	0.0	0.0	0.0	3.8	-	-	-	0.0	-
93.0	75.0	-	-	-	-	0.0	0.0	3.6	-	-	-	-	-
93.0	80.0	-	-	-	-	0.0	0.0	12.9	-	-	-	0.0	-
93.0	90.0	-	-	-	0.0	0.0	0.0	2.5	-	-	-	0.0	-
97.0	55.0	-	-	-	-	0.0	0.0	2.9	-	-	-	0.0	-
97.0	60.0	-	0.0	-	0.0	0.0	3.0	0.0	-	-	-	0.0	-
97.0	65.0	-	-	-	-	0.0	10.6	0.0	-	-	-	-	-
97.0	70.0	-	0.0	-	0.0	7.1	0.0	5.9	-	-	-	0.0	-
97.0	75.0	-	-	-	-	3.3	0.0	0.0	-	-	-	-	-
97.0	80.0	-	-	-	0.0	0.0	2.8	0.0	-	-	-	0.0	-
97.0	90.0	-	-	-	7.7	0.0	0.0	2.5	-	-	-	0.0	-
100.0	45.0	-	-	-	0.0	2.8	0.0	0.0	-	-	-	-	-
100.0	50.0	-	0.0	0.0	0.0	0.0	0.0	2.8	-	-	-	0.0	-
100.0	60.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-
100.0	65.0	-	-	-	-	3.0	21.6	2.6	-	-	-	-	-
100.0	70.0	-	0.0	-	0.0	6.8	0.0	-	-	-	-	0.0	-
100.0	75.0	-	-	-	-	0.0	0.0	19.0	-	-	-	-	-
100.0	85.0	-	-	-	-	3.4	6.2	-	-	-	-	-	-
103.0	30.0	0.0	0.0	0.0	1.4	0.0	2.8	0.0	-	-	-	0.0	-
103.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	3.3	-
103.0	45.0	-	-	-	3.1	0.0	0.0	2.8	-	-	-	-	-
103.0	55.0	-	-	-	0.0	0.0	0.0	2.6	-	-	-	-	-
103.0	60.0	0.0	0.0	-	3.4	0.0	0.0	8.0	-	-	-	3.2	-
103.0	65.0	-	-	-	-	0.0	0.0	2.7	-	-	-	-	-
103.0	70.0	-	0.0	0.0	9.6	3.2	3.3	0.0	-	-	-	0.0	-
103.0	80.0	-	-	-	3.0	6.9	3.3	-	-	-	-	0.0	-
103.0	85.0	-	-	-	-	0.0	3.3	-	-	-	-	-	-
103.0	90.0	-	-	-	0.0	2.7	6.0	-	-	-	-	-	-
107.0	35.0	0.0	-	0.0	0.0	2.1	3.4	0.0	-	-	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	-	-	0.0	-	-
107.0	45.0	-	-	-	5.7	0.0	0.0	0.0	-	-	-	-	-
107.0	55.0	-	-	-	0.0	0.0	3.1	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	0.0	0.0	8.5	0.0	3.4	-	-	0.0	-	0.0
107.0	65.0	-	-	-	-	0.0	0.0	3.4	-	-	-	-	-

TABLE 4. (cont.)

Myctophidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	70.0	-	0.0	0.0	0.0	9.4	3.2	0.0	-	-	0.0	-	-
107.0	75.0	-	-	-	-	2.1	0.0	0.0	-	-	-	-	-
107.0	80.0	-	-	-	0.0	0.0	3.6	0.0	-	-	0.0	-	-
107.0	90.0	-	-	-	0.0	0.0	0.0	13.6	-	-	-	-	-
110.0	33.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	2.4	0.0	-	-
110.0	35.0	-	0.0	0.0	0.0	0.0	0.0	-	3.0	0.0	0.0	-	-
110.0	50.0	8.2	0.0	0.0	0.0	0.0	3.0	-	0.0	-	0.0	-	-
110.0	65.0	-	-	-	-	0.0	0.0	-	8.7	-	-	-	-
110.0	70.0	-	0.0	6.2	3.3	0.0	0.0	-	0.0	-	0.0	-	0.0
110.0	80.0	-	0.0	-	0.0	0.0	5.9	-	0.0	-	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	3.1	0.0	-	-
113.0	40.0	0.0	0.0	7.0	0.0	6.1	0.0	0.0	0.0	2.9	3.1	-	-
113.0	45.0	-	-	-	0.0	0.0	3.2	0.0	-	-	-	-	-
113.0	50.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-	0.0	-	-
113.0	60.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	-	-	0.0	-	-
113.0	70.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	80.0	-	-	-	0.0	5.9	0.0	0.0	-	-	0.0	-	-
115.0	40.0	-	-	-	-	-	-	-	0.0	3.2	-	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	2.9	-	-
117.0	50.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-	6.2	-	-
117.0	55.0	-	-	-	0.0	12.2	0.0	0.0	-	-	-	-	-
117.0	70.0	5.5	0.0	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	85.0	-	-	-	-	-	3.3	-	-	-	-	-	-
117.0	90.0	-	-	-	-	-	6.4	-	-	-	-	-	-
118.0	39.0	-	-	0.0	2.2	0.0	0.0	0.0	-	-	0.0	-	-
120.0	40.0	0.0	0.0	0.0	-	0.0	3.6	0.0	0.0	0.0	0.0	-	-
120.0	45.0	0.0	0.0	-	-	0.0	16.1	0.0	0.0	0.0	0.0	-	-
120.0	70.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	-	-	0.0	-	-
120.0	75.0	-	-	-	-	2.5	0.0	0.0	-	-	-	-	-
120.0	80.0	-	0.0	9.8	0.0	0.0	4.6	0.0	-	-	0.0	-	-
120.0	85.0	-	-	-	-	-	14.1	-	-	-	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	-	-
123.0	42.0	2.8	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-	-
123.0	50.0	0.0	0.0	0.0	0.0	-	3.2	0.0	-	-	0.0	-	-
123.0	55.0	-	0.0	0.0	0.0	-	5.5	0.0	-	-	-	-	-
123.0	60.0	0.0	4.4	5.7	0.0	-	0.0	3.1	-	-	0.0	-	-
123.0	70.0	-	-	-	0.0	-	-	33.0	-	-	0.0	-	-
123.0	80.0	-	-	-	0.0	-	-	9.0	-	-	0.0	-	-
127.0	34.0	9.8	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	40.0	0.0	35.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	45.0	-	20.1	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-
127.0	55.0	-	10.4	6.7	6.0	-	2.3	3.2	-	-	-	-	-
127.0	60.0	0.0	5.3	3.4	3.0	-	5.6	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Myctophidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	30.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	35.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	–	–
130.0	40.0	0.0	7.8	2.7	0.0	2.2	0.0	0.0	0.0	0.0	0.0	–	–
130.0	55.0	–	–	–	6.6	–	0.0	0.0	–	–	–	–	–
130.0	60.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	25.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	35.0	0.0	–	0.0	8.9	–	0.0	0.0	–	–	0.0	–	–
133.0	40.0	0.0	0.0	0.0	0.0	10.6	0.0	0.0	–	–	0.0	–	–
133.0	45.0	–	–	–	2.8	–	0.0	0.0	–	–	–	–	–
133.0	60.0	–	–	–	0.0	–	–	12.5	–	–	0.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	–	–
137.0	35.0	0.0	0.0	5.8	–	–	0.0	0.0	–	–	0.0	–	–
137.0	45.0	–	–	–	4.8	–	0.0	0.0	–	–	–	–	–
137.0	50.0	–	2.4	3.2	5.9	0.0	0.0	0.0	–	–	0.0	–	–
137.0	70.0	–	–	–	6.3	–	–	3.2	–	–	0.0	–	–
137.0	80.0	–	–	–	0.0	–	–	0.0	–	–	3.1	–	–
140.0	40.0	–	2.8	0.0	0.0	–	2.8	–	–	–	–	–	–
140.0	50.0	–	0.0	2.9	0.0	–	3.8	–	–	–	–	–	–
143.0	40.0	–	0.0	0.0	2.9	–	0.0	–	–	–	–	–	–
147.0	30.0	–	2.9	0.0	0.0	–	–	–	–	–	–	–	–
148.0	25.0	–	–	–	–	–	3.7	–	–	–	–	–	–
148.0	30.0	–	–	–	–	–	41.6	–	–	–	–	–	–
150.0	40.0	–	0.0	0.0	6.5	–	–	–	–	–	–	–	–
153.0	16.0	–	0.0	–	0.0	–	6.0	–	–	–	–	–	–
153.0	25.0	–	–	–	2.2	–	0.0	–	–	–	–	–	–
153.0	35.0	–	–	–	4.8	–	–	–	–	–	–	–	–
153.0	40.0	–	4.5	–	0.0	–	6.7	–	–	–	–	–	–
157.0	25.0	–	–	–	0.0	–	5.5	–	–	–	–	–	–
157.0	40.0	–	–	–	0.0	–	7.7	–	–	–	–	–	–

Ceratoscopelus townsendi

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	90.0	–	–	–	–	–	9.3	0.0	–	–	–	–	–
80.0	90.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	40.0	–	0.0
83.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	5.3	–	–
83.0	90.0	–	–	–	0.0	0.0	0.0	–	–	–	5.3	–	0.0
90.0	90.0	–	0.0	0.0	0.0	0.0	0.0	5.3	–	–	0.0	–	3.3
93.0	60.0	–	0.0	0.0	0.0	0.0	0.0	2.3	–	–	–	0.0	–
93.0	65.0	–	–	–	–	0.0	7.3	0.0	–	–	–	–	–
93.0	80.0	–	–	–	–	0.0	0.0	0.0	–	–	–	12.7	–
97.0	60.0	–	0.0	–	25.6	0.0	3.0	0.0	–	–	–	0.0	–
97.0	65.0	–	–	–	–	29.0	7.1	0.0	–	–	–	–	–
97.0	70.0	–	0.0	–	0.0	14.2	0.0	0.0	–	–	–	0.0	–
97.0	75.0	–	–	–	–	3.3	3.1	2.8	–	–	–	–	–

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	46.6	–
97.0	90.0	–	–	–	0.0	1.9	0.0	2.5	–	–	–	21.7	–
100.0	60.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	0.0	–
100.0	65.0	–	–	–	–	0.0	0.0	15.7	–	–	–	–	–
100.0	70.0	–	0.0	–	88.0	47.9	0.0	–	–	–	–	2.8	–
100.0	75.0	–	–	–	–	34.2	6.1	34.9	–	–	–	–	–
100.0	80.0	–	0.0	–	3.4	78.1	0.0	–	–	–	–	0.0	–
100.0	85.0	–	–	–	–	6.8	0.0	–	–	–	–	–	–
100.0	90.0	–	0.0	–	0.0	6.4	5.6	–	–	–	–	0.0	–
103.0	30.0	0.0	0.0	0.0	4.3	9.0	0.0	0.0	–	–	–	0.0	–
103.0	35.0	0.0	0.0	0.0	2.7	3.3	20.5	0.0	–	–	–	0.0	–
103.0	40.0	0.0	0.0	0.0	0.0	10.3	3.8	0.0	–	–	–	0.0	–
103.0	45.0	–	–	–	0.0	2.6	0.0	0.0	–	–	–	–	–
103.0	50.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	–	–	–	3.4	0.0
103.0	55.0	–	–	–	0.0	0.0	0.0	5.1	–	–	–	–	–
103.0	60.0	0.0	0.0	–	0.0	3.5	3.4	0.0	–	–	–	9.6	–
103.0	65.0	–	–	–	–	5.3	33.2	5.3	–	–	–	–	–
103.0	70.0	–	0.0	0.0	41.6	105.9	138.2	0.0	–	–	–	26.7	–
103.0	75.0	–	–	–	–	8.8	61.6	5.3	–	–	–	–	–
103.0	80.0	–	–	–	15.1	44.6	39.4	–	–	–	–	6.1	–
103.0	85.0	–	–	–	–	82.3	9.9	–	–	–	–	–	–
103.0	90.0	–	–	–	12.5	32.4	27.0	–	–	–	–	–	–
107.0	35.0	0.0	–	0.0	9.8	0.0	0.0	0.0	–	–	0.0	–	–
107.0	45.0	–	–	–	5.7	0.0	0.0	0.0	–	–	–	–	–
107.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	13.0	–	–
107.0	55.0	–	–	–	22.3	4.3	0.0	0.0	–	–	–	–	–
107.0	60.0	0.0	0.0	0.0	21.0	50.9	6.8	0.0	–	–	14.9	–	0.0
107.0	65.0	–	–	–	–	60.4	3.3	6.7	–	–	–	–	–
107.0	70.0	–	0.0	12.4	6.5	212.4	19.3	0.0	–	–	0.0	–	–
107.0	75.0	–	–	–	–	2.1	12.3	6.5	–	–	–	–	–
107.0	80.0	–	–	–	0.0	38.3	7.1	20.8	–	–	3.2	–	–
107.0	85.0	–	–	–	–	24.9	0.0	13.9	–	–	–	–	–
107.0	90.0	–	–	–	0.0	14.5	0.0	30.7	–	–	–	–	–
110.0	33.0	–	0.0	9.0	0.0	0.0	0.0	–	0.0	0.0	0.0	–	–
110.0	45.0	–	–	–	0.0	0.0	0.0	–	3.2	–	–	–	–
110.0	50.0	0.0	0.0	0.0	0.0	3.1	0.0	–	3.3	–	0.0	–	–
110.0	60.0	0.0	0.0	0.0	0.0	6.1	3.0	–	0.0	–	3.5	–	–
110.0	65.0	–	–	–	–	0.0	2.5	–	4.3	–	–	–	–
110.0	70.0	–	0.0	0.0	6.6	0.0	0.0	–	0.0	–	33.0	–	0.0
110.0	75.0	–	–	–	–	0.0	3.2	–	7.4	–	–	–	–
110.0	80.0	–	0.0	–	63.5	39.3	5.9	–	3.4	–	2.8	–	–
110.0	85.0	–	–	–	–	5.6	0.0	–	0.0	–	–	–	–
110.0	90.0	–	0.0	–	0.0	73.0	0.0	–	85.5	–	–	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	–	–
113.0	40.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	8.7	0.0	–	–
113.0	50.0	2.8	0.0	0.0	0.0	2.7	0.0	3.9	–	–	0.0	–	–

TABLE 4. (cont.)

Ceratoscopelus townsendi (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	-	-	0.0	-	-
113.0	65.0	-	-	-	-	0.0	0.0	3.4	-	-	-	-	-
113.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	-	-
113.0	80.0	-	-	-	2.9	0.0	0.0	0.0	-	-	2.7	-	-
113.0	85.0	-	-	-	-	-	2.9	-	-	-	-	-	-
117.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.0	-	-
117.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	-	-	0.0	-	-
117.0	80.0	-	-	-	0.0	10.7	10.4	0.0	-	-	0.0	-	-
117.0	90.0	-	-	-	-	-	3.2	-	-	-	-	-	-
120.0	50.0	0.0	2.8	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	55.0	0.0	4.7	-	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	-	-	0.0	-	-
120.0	70.0	5.9	0.0	0.0	4.9	35.3	0.0	0.0	-	-	3.3	-	-
120.0	75.0	-	-	-	-	5.0	0.0	0.0	-	-	-	-	-
120.0	80.0	-	0.0	0.0	3.0	0.0	0.0	0.0	-	-	5.9	-	-
120.0	85.0	-	-	-	-	-	8.5	-	-	-	-	-	-
120.0	90.0	-	-	-	-	-	9.1	-	-	-	5.9	-	-
123.0	55.0	-	0.0	5.8	0.0	-	0.0	18.5	-	-	-	-	-
123.0	60.0	0.0	0.0	0.0	3.0	-	0.0	0.0	-	-	0.0	-	-
123.0	70.0	-	-	-	0.0	-	-	16.5	-	-	3.1	-	-
123.0	80.0	-	-	-	2.5	-	-	18.0	-	-	0.0	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-
127.0	60.0	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	11.1	0.0	0.0	-	-	0.0	-	-
130.0	80.0	-	-	-	0.0	-	-	7.3	-	-	0.0	-	-
133.0	40.0	0.0	0.0	0.0	5.9	0.0	0.0	0.0	-	-	0.0	-	-
137.0	45.0	-	-	-	0.0	-	2.1	0.0	-	-	-	-	-
137.0	70.0	-	-	-	6.3	-	-	0.0	-	-	0.0	-	-
137.0	80.0	-	-	-	0.0	-	-	0.0	-	-	3.1	-	-
147.0	35.0	-	-	-	5.7	-	-	-	-	-	-	-	-
147.0	40.0	-	0.0	0.0	2.5	-	-	-	-	-	-	-	-
148.0	25.0	-	-	-	-	-	3.7	-	-	-	-	-	-
153.0	35.0	-	-	-	2.4	-	-	-	-	-	-	-	-
157.0	15.0	-	-	-	5.6	-	0.0	-	-	-	-	-	-

Diaphus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	70.0	-	-	-	-	31.6	11.4	0.0	-	-	-	-	-
60.0	80.0	-	-	-	-	25.1	69.8	-	-	-	-	-	-
63.0	70.0	-	-	-	-	0.0	13.4	0.0	-	-	-	-	-
63.0	80.0	-	-	-	-	3.9	0.0	4.5	-	-	-	-	-
63.0	90.0	-	-	-	-	-	7.2	-	-	-	-	-	-
67.0	70.0	-	-	-	-	8.2	3.1	31.9	-	-	-	-	-
67.0	80.0	-	-	-	-	0.0	3.2	0.0	-	-	-	-	-

TABLE 4. (cont.)

Diaphus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	90.0	-	-	-	-	-	19.0	-	-	-	-	-	-
70.0	52.0	-	-	-	-	7.0	0.0	0.0	-	-	-	-	-
77.0	80.0	-	-	-	-	0.0	0.0	14.6	-	-	-	-	-
77.0	90.0	-	-	-	-	-	0.0	3.0	-	-	-	-	-
80.0	55.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	0.0	0.0
80.0	60.0	-	0.0	0.0	0.0	11.8	0.0	0.0	-	-	0.0	0.0	0.0
80.0	80.0	-	0.0	0.0	0.0	3.2	0.0	20.7	-	-	-	-	0.0
80.0	90.0	-	0.0	0.0	0.0	0.0	0.0	8.2	-	-	0.0	-	0.0
83.0	40.0	-	0.0	0.0	0.0	0.0	0.0	2.3	-	-	0.0	0.0	-
83.0	60.0	-	0.0	0.0	0.0	0.0	3.4	0.0	-	-	0.0	0.0	-
83.0	90.0	-	-	-	0.0	6.6	0.0	-	-	-	0.0	-	0.0
87.0	55.0	-	0.0	-	-	0.0	0.0	0.0	-	-	0.0	2.6	-
87.0	85.0	-	-	-	-	0.0	2.7	7.0	-	-	-	-	-
87.0	90.0	-	-	-	0.0	0.0	0.0	0.0	-	-	8.2	-	0.0
90.0	50.0	-	-	-	-	0.0	0.0	0.0	-	-	1.4	0.0	0.0
90.0	65.0	-	-	-	-	0.0	0.0	2.6	-	-	-	-	-
90.0	70.0	-	0.0	0.0	0.0	3.3	0.0	5.5	-	-	0.0	-	0.0
90.0	85.0	-	-	-	-	0.0	0.0	6.3	-	-	-	-	-
93.0	45.0	-	-	-	0.0	0.0	0.0	2.2	-	-	-	0.0	-
93.0	60.0	-	0.0	0.0	0.0	3.1	0.0	0.0	-	-	-	0.0	-
93.0	65.0	-	-	-	-	0.0	0.0	13.4	-	-	-	-	-
93.0	70.0	-	0.0	0.0	0.0	0.0	0.0	11.5	-	-	-	0.0	-
93.0	75.0	-	-	-	-	0.0	0.0	14.3	-	-	-	-	-
93.0	80.0	-	-	-	-	0.0	0.0	2.6	-	-	-	0.0	-
97.0	60.0	-	0.0	-	0.0	0.0	0.0	7.3	-	-	-	0.0	-
97.0	65.0	-	-	-	-	2.9	0.0	0.0	-	-	-	-	-
97.0	70.0	-	0.0	-	0.0	0.0	0.0	8.9	-	-	-	0.0	-
97.0	75.0	-	-	-	-	0.0	0.0	11.4	-	-	-	-	-
97.0	90.0	-	-	-	0.0	0.0	0.0	2.5	-	-	-	3.1	-
100.0	55.0	-	-	-	0.0	0.0	0.0	2.6	-	-	-	-	-
100.0	70.0	-	0.0	-	0.0	6.8	0.0	-	-	-	-	0.0	-
100.0	90.0	-	0.0	-	0.0	0.0	2.8	-	-	-	-	0.0	-
103.0	35.0	0.0	0.0	0.0	0.0	0.0	17.6	0.0	-	-	-	0.0	-
103.0	40.0	0.0	0.0	0.0	0.0	0.0	22.9	0.0	-	-	-	0.0	-
103.0	45.0	-	-	-	0.0	0.0	3.9	0.0	-	-	-	-	-
103.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2	-	-	-	0.0	0.0
103.0	60.0	0.0	0.0	-	0.0	0.0	23.5	0.0	-	-	-	0.0	-
103.0	65.0	-	-	-	-	2.7	3.7	0.0	-	-	-	-	-
107.0	35.0	0.0	-	0.0	0.0	0.0	13.6	0.0	-	-	0.0	-	-
107.0	70.0	-	0.0	0.0	0.0	0.0	3.2	0.0	-	-	0.0	-	-
107.0	75.0	-	-	-	-	0.0	18.5	0.0	-	-	-	-	-
107.0	90.0	-	-	-	0.0	0.0	6.4	0.0	-	-	-	-	-
110.0	45.0	-	-	-	0.0	0.0	27.3	-	0.0	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	0.0	8.9	-	0.0	-	0.0	-	-
113.0	45.0	-	-	-	0.0	0.0	3.2	0.0	-	-	-	-	-
115.0	35.0	-	-	-	-	-	-	-	0.0	2.9	-	-	-

TABLE 4. (cont.)

Diaphus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
115.0	40.0	–	–	–	–	–	–	–	0.0	3.2	–	–	–
117.0	45.0	–	–	–	0.0	0.0	2.6	0.0	–	–	–	–	–
123.0	55.0	–	0.0	0.0	0.0	–	2.7	0.0	–	–	–	–	–

Lampadena urophaos

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	70.0	–	0.0	–	0.0	0.0	0.0	5.9	–	–	–	0.0	–
97.0	75.0	–	–	–	–	0.0	3.1	8.6	–	–	–	–	–
97.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	3.3	–
97.0	90.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	3.1	–
100.0	65.0	–	–	–	–	3.0	0.0	0.0	–	–	–	–	–
100.0	70.0	–	0.0	–	1.8	0.0	0.0	–	–	–	–	0.0	–
100.0	75.0	–	–	–	–	0.0	0.0	3.2	–	–	–	–	–
103.0	70.0	–	0.0	0.0	0.0	3.2	9.9	0.0	–	–	–	0.0	–
103.0	75.0	–	–	–	–	0.0	13.7	2.6	–	–	–	–	–
103.0	80.0	–	–	–	0.0	3.4	6.6	–	–	–	–	0.0	–
103.0	90.0	–	–	–	6.3	0.0	15.0	–	–	–	–	–	–
107.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	17.4	–	–
107.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	–	–	0.0	–	0.0
107.0	70.0	–	0.0	0.0	0.0	4.7	0.0	0.0	–	–	0.0	–	–
107.0	80.0	–	–	–	0.0	0.0	0.0	6.9	–	–	0.0	–	–
107.0	85.0	–	–	–	–	3.6	0.0	0.0	–	–	–	–	–
107.0	90.0	–	–	–	0.0	2.9	12.8	0.0	–	–	–	–	–
110.0	80.0	–	0.0	–	0.0	0.0	0.0	–	6.9	–	0.0	–	–
110.0	85.0	–	–	–	–	0.0	0.0	–	3.3	–	–	–	–
110.0	90.0	–	0.0	–	0.0	0.0	0.0	–	3.4	–	–	–	–
113.0	65.0	–	–	–	–	0.0	0.0	3.4	–	–	–	–	–
113.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	–	–	0.0	–	–
113.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.7	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	–	–
117.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–	6.1	–	–
117.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.5	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–
120.0	50.0	0.0	5.5	–	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	70.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	–	–	0.0	–	–
120.0	80.0	–	0.0	3.3	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	90.0	–	–	–	–	–	6.1	–	–	–	0.0	–	–
123.0	55.0	–	0.0	0.0	0.0	–	0.0	24.7	–	–	–	–	–
123.0	60.0	0.0	0.0	0.0	0.0	–	0.0	3.1	–	–	3.1	–	–
123.0	70.0	–	–	–	2.1	–	–	0.0	–	–	0.0	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	–	–
127.0	50.0	0.0	0.0	0.0	0.0	–	0.0	9.4	–	–	0.0	–	–
127.0	55.0	–	0.0	0.0	0.0	–	0.0	3.2	–	–	–	–	–
130.0	30.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

TABLE 4. (cont.)

Lampadena urophaos (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	2.8	0.0	0.0	–	–	0.0	–	–
130.0	70.0	–	–	–	2.5	–	–	0.0	–	–	0.0	–	–
130.0	80.0	–	–	–	2.9	–	–	0.0	–	–	0.0	–	–
133.0	80.0	–	–	–	0.0	–	–	6.3	–	–	0.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–
137.0	35.0	0.0	4.9	0.0	–	–	0.0	0.0	–	–	3.7	–	–
137.0	50.0	–	0.0	3.2	0.0	0.0	0.0	0.0	–	–	0.0	–	–
137.0	70.0	–	–	–	0.0	–	–	0.0	–	–	3.3	–	–
140.0	40.0	–	2.8	0.0	0.0	–	0.0	–	–	–	–	–	–
140.0	50.0	–	10.1	0.0	0.0	–	0.0	–	–	–	–	–	–
143.0	50.0	–	6.0	0.0	–	–	0.0	–	–	–	–	–	–
147.0	20.0	–	3.1	0.0	0.0	–	–	–	–	–	–	–	–
147.0	25.0	–	3.6	0.0	0.0	–	–	–	–	–	–	–	–
147.0	30.0	–	5.7	0.0	0.0	–	–	–	–	–	–	–	–
153.0	25.0	–	–	–	2.2	–	0.0	–	–	–	–	–	–
153.0	30.0	–	0.0	–	3.1	–	0.0	–	–	–	–	–	–

Lampanyctus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	80.0	–	–	–	0.0	3.1	0.0	–	–	–	0.0	–	–
87.0	90.0	–	–	–	0.0	3.5	0.0	0.0	–	–	0.0	–	0.0
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	3.4	3.8	0.0	–	–	–	0.0	–
103.0	45.0	–	–	–	0.0	7.7	0.0	0.0	–	–	–	–	–
103.0	65.0	–	–	–	–	0.0	25.8	0.0	–	–	–	–	–
103.0	70.0	–	0.0	0.0	3.2	0.0	6.6	0.0	–	–	–	0.0	–
103.0	75.0	–	–	–	–	0.0	10.3	0.0	–	–	–	–	–
103.0	80.0	–	–	–	0.0	3.4	0.0	–	–	–	–	0.0	–
103.0	85.0	–	–	–	–	0.0	9.9	–	–	–	–	–	–
103.0	90.0	–	–	–	0.0	2.7	0.0	–	–	–	–	–	–
107.0	45.0	–	–	–	0.0	3.0	0.0	0.0	–	–	–	–	–
107.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.3	–	–
107.0	60.0	3.2	0.0	0.0	0.0	0.0	3.4	0.0	–	–	0.0	–	0.0
107.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.3	–	–
110.0	40.0	0.0	0.0	0.0	0.0	0.0	3.1	–	0.0	0.0	0.0	–	–
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	–	2.8	–	–
110.0	80.0	–	0.0	–	3.3	0.0	0.0	–	0.0	–	0.0	–	–
110.0	90.0	–	0.0	–	0.0	0.0	0.0	–	6.8	–	–	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	0.0	–	–
115.0	40.0	–	–	–	–	–	–	–	0.0	3.2	–	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	2.9	–	–
117.0	55.0	–	–	–	0.0	0.0	0.0	3.0	–	–	–	–	–
117.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.2	–	–

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	45.0	0.0	2.8	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	50.0	0.0	13.8	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	70.0	0.0	0.0	0.0	0.0	11.8	0.0	0.0	-	-	0.0	-	-
120.0	75.0	-	-	-	-	2.5	0.0	0.0	-	-	-	-	-
120.0	80.0	-	2.5	0.0	3.0	0.0	0.0	0.0	-	-	5.9	-	-
123.0	42.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-	-
123.0	50.0	0.0	0.0	6.0	0.0	-	0.0	0.0	-	-	0.0	-	-
123.0	55.0	-	4.5	11.6	0.0	-	0.0	3.1	-	-	-	-	-
123.0	60.0	2.7	0.0	0.0	0.0	-	0.0	6.2	-	-	0.0	-	-
123.0	70.0	-	-	-	0.0	-	-	3.3	-	-	0.0	-	-
127.0	45.0	-	30.1	0.0	0.0	0.0	5.5	0.0	8.6	0.0	0.0	-	-
127.0	50.0	0.0	2.6	0.0	0.0	-	5.8	15.6	-	-	0.0	-	-
127.0	55.0	-	6.9	6.7	3.0	-	0.0	12.9	-	-	-	-	-
127.0	60.0	0.0	5.3	6.8	9.0	-	11.1	2.9	-	-	0.0	-	-
127.0	70.0	-	-	-	0.0	-	-	7.1	-	-	0.0	-	-
127.0	80.0	-	-	-	2.7	-	-	-	-	-	0.0	-	-
130.0	40.0	0.0	5.2	2.7	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-
130.0	45.0	-	-	-	-	-	0.0	0.0	5.4	0.0	-	-	-
130.0	50.0	5.7	0.0	0.0	0.0	5.5	0.0	0.0	-	-	0.0	-	-
130.0	55.0	-	-	-	6.6	-	0.0	0.0	-	-	-	-	-
130.0	60.0	25.8	0.0	0.0	0.0	8.2	0.0	0.0	-	-	0.0	-	-
130.0	70.0	-	-	-	2.5	-	-	0.0	-	-	0.0	-	-
130.0	80.0	-	-	-	0.0	-	-	3.6	-	-	0.0	-	-
133.0	25.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	35.0	0.0	-	3.2	3.0	-	0.0	0.0	-	-	0.0	-	-
133.0	40.0	2.7	2.1	0.0	0.0	2.7	0.0	0.0	-	-	0.0	-	-
133.0	45.0	-	-	-	2.8	-	0.0	0.0	-	-	-	-	-
133.0	50.0	-	3.2	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
133.0	55.0	-	-	-	5.8	-	-	-	-	-	-	-	-
133.0	60.0	-	-	-	0.0	-	-	21.8	-	-	0.0	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	-	-
137.0	40.0	-	4.4	5.8	0.0	-	0.0	0.0	-	-	0.0	-	-
137.0	45.0	-	-	-	0.0	-	2.1	0.0	-	-	-	-	-
137.0	50.0	-	9.5	0.0	2.9	2.4	0.0	0.0	-	-	2.9	-	-
137.0	60.0	-	-	-	0.0	-	-	15.3	-	-	3.1	-	-
137.0	70.0	-	-	-	9.4	-	-	9.5	-	-	13.0	-	-
137.0	80.0	-	-	-	0.0	-	-	5.7	-	-	0.0	-	-
140.0	35.0	-	0.0	2.8	0.0	-	0.0	-	-	-	-	-	-
140.0	40.0	-	2.8	0.0	0.0	-	2.8	-	-	-	-	-	-
140.0	45.0	-	-	-	2.3	-	-	-	-	-	-	-	-
140.0	50.0	-	3.4	0.0	0.0	-	23.0	-	-	-	-	-	-
140.0	55.0	-	-	-	5.1	-	-	-	-	-	-	-	-
140.0	70.0	-	-	-	5.7	-	-	-	-	-	-	-	-
143.0	35.0	-	2.1	0.0	7.6	-	0.0	-	-	-	-	-	-
143.0	40.0	-	0.0	0.0	8.6	-	0.0	-	-	-	-	-	-
143.0	50.0	-	3.0	0.0	-	-	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

Lampanyctus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
147.0	25.0	–	3.6	0.0	0.0	–	–	–	–	–	–	–	–
147.0	30.0	–	0.0	2.9	0.0	–	–	–	–	–	–	–	–
147.0	40.0	–	0.0	0.0	4.9	–	–	–	–	–	–	–	–
147.0	55.0	–	–	–	3.4	–	–	–	–	–	–	–	–
150.0	35.0	–	0.0	–	5.5	–	–	–	–	–	–	–	–
150.0	40.0	–	0.0	0.0	51.8	–	–	–	–	–	–	–	–
153.0	20.0	–	10.2	–	0.0	–	0.0	–	–	–	–	–	–
153.0	25.0	–	–	–	0.0	–	4.9	–	–	–	–	–	–
153.0	30.0	–	3.0	–	0.0	–	0.0	–	–	–	–	–	–
157.0	15.0	–	–	–	2.8	–	6.6	–	–	–	–	–	–
157.0	20.0	–	10.5	–	5.5	–	0.0	–	–	–	–	–	–
157.0	30.0	–	29.4	–	0.0	–	11.6	–	–	–	–	–	–
157.0	40.0	–	–	–	0.0	–	2.6	–	–	–	–	–	–

Lampanyctus regalis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	70.0	–	–	–	–	4.4	11.9	0.0	–	–	–	0.0	–
70.0	90.0	–	–	–	–	3.3	0.0	–	–	–	–	–	–
77.0	55.0	–	–	–	–	0.0	3.0	0.0	–	–	–	–	–
77.0	80.0	–	–	–	–	3.7	0.0	0.0	–	–	–	–	–
80.0	55.0	–	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	3.0	0.0	–	–	0.0	–	0.0
83.0	65.0	–	–	–	–	–	3.2	0.0	–	–	–	–	–
83.0	75.0	–	–	–	–	–	0.0	3.5	–	–	–	–	–
87.0	75.0	–	–	–	–	0.0	0.0	3.8	–	–	–	–	–
87.0	90.0	–	–	–	0.0	0.0	6.0	0.0	–	–	2.7	–	0.0
90.0	90.0	–	0.0	3.2	0.0	0.0	6.7	5.3	–	–	0.0	–	0.0
93.0	55.0	–	–	–	0.0	0.0	9.8	0.0	–	–	–	0.0	–
97.0	70.0	–	0.0	–	0.0	0.0	0.0	5.9	–	–	–	0.0	–
100.0	60.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0	–	–	–	0.0	–
100.0	70.0	–	0.0	–	7.0	0.0	0.0	–	–	–	–	0.0	–
100.0	80.0	–	0.0	–	0.0	0.0	0.0	–	–	–	–	3.0	–
103.0	35.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	–	–	–	0.0	–
103.0	45.0	–	–	–	0.0	2.6	0.0	0.0	–	–	–	–	–
103.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	–	–	–	0.0	0.0
103.0	65.0	–	–	–	–	2.7	0.0	0.0	–	–	–	–	–
103.0	80.0	–	–	–	0.0	6.9	0.0	–	–	–	–	0.0	–
110.0	90.0	–	0.0	–	0.0	12.2	0.0	–	0.0	–	–	–	–

Lampanyctus ritteri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	–	–	–	–	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.
60.0	90.0	–	–	–	–	4.3	0.0	–	–	–	–	–	–
63.0	60.0	–	–	–	–	0.0	13.0	0.0	–	–	–	–	–
67.0	55.0	–	–	–	–	0.0	0.0	6.4	–	–	–	–	–
67.0	70.0	–	–	–	–	4.1	6.3	4.0	–	–	–	–	–
67.0	80.0	–	–	–	–	0.0	6.4	3.2	–	–	–	–	–
67.0	90.0	–	–	–	–	–	3.2	–	–	–	–	–	–
73.0	60.0	–	–	–	–	9.1	0.0	0.0	–	–	–	0.0	–
73.0	70.0	–	–	–	–	0.0	6.2	0.0	–	–	–	–	–
73.0	80.0	–	–	–	–	7.8	0.0	–	–	–	–	–	–
77.0	50.0	–	–	–	–	6.6	0.0	0.0	–	–	–	–	–
77.0	55.0	–	–	–	–	7.5	0.0	0.0	–	–	–	–	–
77.0	80.0	–	–	–	–	3.7	0.0	7.3	–	–	–	–	–
77.0	90.0	–	–	–	–	–	3.1	0.0	–	–	–	–	–
80.0	60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.7	0.0	3.7
80.0	70.0	–	0.0	0.0	25.8	14.3	26.3	0.0	–	–	0.0	0.0	0.0
80.0	80.0	–	3.0	29.0	9.2	6.5	0.0	0.0	–	–	–	–	0.0
80.0	90.0	–	0.0	17.8	5.8	11.0	3.0	0.0	–	–	5.7	–	0.0
83.0	48.0	–	–	2.5	–	–	–	–	–	–	–	–	–
83.0	52.0	–	0.0	10.8	–	–	–	–	–	–	–	–	–
83.0	60.0	–	0.0	23.5	14.9	2.9	20.6	0.0	–	–	0.0	0.0	–
83.0	65.0	–	–	–	–	–	15.8	0.0	–	–	–	–	–
83.0	70.0	–	–	0.0	4.9	6.1	15.0	5.8	–	–	2.3	–	–
83.0	75.0	–	–	–	–	–	0.0	3.5	–	–	–	–	–
83.0	80.0	–	–	–	0.0	8.6	0.0	0.0	–	–	0.0	–	–
83.0	85.0	–	–	–	–	–	5.9	2.8	–	–	–	–	–
83.0	90.0	–	–	–	7.0	16.4	0.0	–	–	–	0.0	–	0.0
87.0	50.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	3.2	–
87.0	55.0	–	0.0	–	–	0.0	0.0	0.0	–	–	2.4	0.0	–
87.0	70.0	–	22.6	11.8	0.0	3.3	0.0	0.0	–	–	3.0	–	–
87.0	75.0	–	–	–	–	3.3	3.0	3.8	–	–	–	–	–
87.0	80.0	–	–	–	0.0	9.3	0.0	–	–	–	3.2	–	–
87.0	85.0	–	–	–	–	16.7	0.0	17.5	–	–	–	–	–
87.0	90.0	–	–	–	10.1	0.0	0.0	14.0	–	–	2.7	–	0.0
90.0	28.0	–	0.0	0.0	0.0	0.0	0.0	2.0	–	–	0.0	0.0	0.0
90.0	50.0	–	–	–	–	5.5	0.0	0.0	–	–	0.0	0.0	0.0
90.0	55.0	–	0.0	0.0	0.0	23.1	0.0	0.0	–	–	–	0.0	0.0
90.0	60.0	–	2.9	0.0	11.7	0.0	0.0	0.0	–	–	0.0	0.0	0.0
90.0	65.0	–	–	–	–	9.4	0.0	0.0	–	–	–	–	–
90.0	70.0	–	0.0	11.2	0.0	0.0	0.0	0.0	–	–	3.2	–	3.1
90.0	75.0	–	–	–	–	26.2	0.0	0.0	–	–	–	–	–
90.0	80.0	–	0.0	5.7	0.0	2.6	9.8	0.0	–	–	1.3	–	2.8
90.0	90.0	–	0.0	6.3	0.0	3.0	3.3	5.3	–	–	0.0	–	0.0
93.0	30.0	–	0.0	3.0	0.0	0.0	2.9	0.0	–	–	0.0	0.0	–
93.0	35.0	–	–	–	0.0	0.0	3.1	5.2	–	–	0.0	0.0	–
93.0	40.0	–	0.0	0.0	0.0	0.0	3.1	0.0	–	–	0.0	0.0	–
93.0	45.0	–	–	–	0.0	2.6	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.
93.0	50.0	–	0.0	0.0	14.9	0.0	0.0	2.8	–	–	–	0.0	–
93.0	55.0	–	–	–	0.0	17.4	0.0	3.0	–	–	–	0.0	–
93.0	60.0	–	0.0	3.2	22.8	3.1	37.0	0.0	–	–	–	0.0	–
93.0	65.0	–	–	–	–	10.2	40.4	8.9	–	–	–	–	–
93.0	70.0	–	12.6	3.0	0.0	13.6	4.0	3.8	–	–	–	3.1	–
93.0	75.0	–	–	–	–	5.4	7.0	3.6	–	–	–	–	–
93.0	80.0	–	–	–	–	13.5	0.0	5.2	–	–	–	3.2	–
93.0	85.0	–	–	–	–	0.0	21.4	2.8	–	–	–	–	–
93.0	90.0	–	–	–	12.7	0.0	15.4	0.0	–	–	–	0.0	–
97.0	32.0	–	0.0	–	39.6	0.0	0.0	0.0	–	–	–	0.0	0.0
97.0	40.0	–	0.0	0.0	0.0	0.0	0.0	2.3	–	–	–	0.0	–
97.0	45.0	–	–	–	0.0	2.6	0.0	0.0	–	–	–	0.0	–
97.0	50.0	–	0.0	22.8	–	2.9	0.0	0.0	–	–	–	0.0	–
97.0	55.0	–	–	–	–	0.0	6.6	0.0	–	–	–	0.0	–
97.0	60.0	–	0.0	–	0.0	7.8	6.1	0.0	–	–	–	0.0	–
97.0	65.0	–	–	–	–	14.5	3.5	2.6	–	–	–	–	–
97.0	70.0	–	5.8	–	14.2	4.7	0.0	3.0	–	–	–	0.0	–
97.0	75.0	–	–	–	–	0.0	3.1	2.8	–	–	–	–	–
97.0	80.0	–	–	–	0.0	0.0	2.8	5.5	–	–	–	3.3	–
97.0	90.0	–	–	–	46.0	0.0	0.0	0.0	–	–	–	0.0	–
100.0	33.0	–	11.2	3.4	0.0	0.0	0.0	–	–	–	–	–	–
100.0	45.0	–	–	–	0.0	0.0	3.0	0.0	–	–	–	–	–
100.0	50.0	–	0.0	0.0	6.3	2.4	14.9	2.8	–	–	–	0.0	–
100.0	55.0	–	–	–	6.9	4.6	9.9	10.4	–	–	–	–	–
100.0	60.0	5.9	6.8	0.0	4.8	8.9	3.1	5.4	–	–	–	0.0	–
100.0	65.0	–	–	–	–	3.0	2.7	13.1	–	–	–	–	–
100.0	70.0	–	0.0	–	33.4	47.9	0.0	–	–	–	–	0.0	–
100.0	75.0	–	–	–	–	45.6	6.1	9.5	–	–	–	–	–
100.0	80.0	–	3.4	–	3.4	19.5	0.0	–	–	–	–	0.0	–
100.0	85.0	–	–	–	–	3.4	15.4	–	–	–	–	–	–
100.0	90.0	–	7.4	–	0.0	6.4	19.7	–	–	–	–	3.1	–
103.0	30.0	0.0	0.0	0.0	5.7	0.0	5.5	0.0	–	–	–	0.0	–
103.0	35.0	0.0	0.0	0.0	21.2	13.1	23.4	0.0	–	–	–	0.0	–
103.0	40.0	0.0	12.6	0.0	5.6	24.1	26.7	0.0	–	–	–	0.0	–
103.0	45.0	–	–	–	9.2	5.1	15.5	0.0	–	–	–	–	–
103.0	50.0	0.0	7.2	6.2	8.0	0.0	3.3	4.9	–	–	–	0.0	0.0
103.0	55.0	–	–	–	0.0	0.0	0.0	5.1	–	–	–	–	–
103.0	60.0	12.6	0.0	–	10.2	6.9	10.1	0.0	–	–	–	0.0	–
103.0	65.0	–	–	–	–	15.9	0.0	2.7	–	–	–	–	–
103.0	70.0	–	0.0	0.0	16.0	3.2	0.0	0.0	–	–	–	0.0	–
103.0	75.0	–	–	–	–	2.9	6.8	0.0	–	–	–	–	–
103.0	80.0	–	–	–	6.0	10.3	6.6	–	–	–	–	0.0	–
103.0	85.0	–	–	–	–	4.8	0.0	–	–	–	–	–	–
103.0	90.0	–	–	–	3.1	0.0	0.0	–	–	–	–	–	–
107.0	32.0	0.0	–	0.0	6.4	0.0	–	0.0	–	–	–	–	–
107.0	35.0	2.9	–	0.0	0.0	0.0	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.
107.0	40.0	11.4	12.6	0.0	0.0	0.0	6.8	2.3	-	-	0.0	-	-
107.0	45.0	-	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-
107.0	50.0	2.7	10.9	3.0	0.0	5.0	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	31.8	23.5	0.0	0.0	-	-	-	-	-
107.0	60.0	3.2	22.6	3.8	21.0	0.0	6.8	3.4	-	-	0.0	-	0.0
107.0	65.0	-	-	-	-	9.1	0.0	3.4	-	-	-	-	-
107.0	70.0	-	4.6	62.2	8.7	61.4	6.4	0.0	-	-	0.0	-	-
107.0	75.0	-	-	-	-	0.0	9.2	0.0	-	-	-	-	-
107.0	80.0	-	-	-	0.0	6.4	14.2	0.0	-	-	0.0	-	-
107.0	85.0	-	-	-	-	14.2	0.0	0.0	-	-	-	-	-
107.0	90.0	-	-	-	0.0	0.0	0.0	20.5	-	-	-	-	-
110.0	33.0	-	10.4	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	35.0	-	74.2	3.5	12.6	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	40.0	0.0	2.8	6.6	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	45.0	-	-	-	0.0	0.0	3.0	-	3.2	-	-	-	-
110.0	50.0	2.7	5.3	0.0	2.9	9.2	0.0	-	0.0	-	0.0	-	-
110.0	60.0	5.8	10.2	2.8	3.9	0.0	0.0	-	0.0	-	3.5	-	-
110.0	65.0	-	-	-	-	0.0	2.5	-	4.3	-	-	-	-
110.0	70.0	-	0.0	15.5	6.6	0.0	0.0	-	0.0	-	3.3	-	6.4
110.0	75.0	-	-	-	-	0.0	3.2	-	0.0	-	-	-	-
110.0	80.0	-	0.0	-	3.3	12.1	5.9	-	0.0	-	0.0	-	-
110.0	85.0	-	-	-	-	11.1	0.0	-	0.0	-	-	-	-
110.0	90.0	-	5.8	-	0.0	33.4	0.0	-	3.4	-	-	-	-
113.0	35.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	-	-
113.0	40.0	15.4	0.0	7.0	0.0	6.1	0.0	0.0	3.0	0.0	0.0	-	-
113.0	45.0	-	-	-	0.0	2.7	0.0	0.0	-	-	-	-	-
113.0	50.0	5.6	0.0	3.3	0.0	2.7	0.0	0.0	-	-	0.0	-	-
113.0	55.0	-	-	-	0.0	0.0	2.9	0.0	-	-	-	-	-
113.0	60.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	70.0	5.3	0.0	6.1	0.0	0.0	2.5	0.0	-	-	0.0	-	-
117.0	30.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	35.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	50.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	60.0	2.7	4.8	3.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	75.0	-	-	-	-	0.0	0.0	10.1	-	-	-	-	-
117.0	80.0	-	-	-	4.8	0.0	3.5	0.0	-	-	0.0	-	-
120.0	45.0	0.0	5.5	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	50.0	2.7	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	60.0	7.9	0.0	11.4	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	65.0	-	-	-	-	6.1	0.0	0.0	-	-	-	-	-
120.0	80.0	-	0.0	0.0	0.0	5.0	0.0	0.0	-	-	0.0	-	-
120.0	90.0	-	-	-	-	-	0.0	-	-	-	3.0	-	-
123.0	70.0	-	-	-	4.1	-	-	0.0	-	-	6.2	-	-
123.0	80.0	-	-	-	2.5	-	-	0.0	-	-	0.0	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	-	-

TABLE 4. (cont.)

Lampanyctus ritteri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	40.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
137.0	45.0	–	–	–	0.0	–	4.2	0.0	–	–	–	–	–
140.0	40.0	–	0.0	0.0	0.0	–	8.3	–	–	–	–	–	–

Notoscopelus resplendens

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	80.0	–	0.0	0.0	0.0	2.6	0.0	0.0	–	–	0.0	–	0.0
93.0	40.0	–	0.0	0.0	0.0	0.0	0.0	2.9	–	–	0.0	0.0	–
93.0	45.0	–	–	–	0.0	0.0	0.0	2.2	–	–	–	0.0	–
97.0	70.0	–	0.0	–	0.0	2.4	0.0	0.0	–	–	–	0.0	–
97.0	75.0	–	–	–	–	0.0	0.0	2.8	–	–	–	–	–
97.0	80.0	–	–	–	0.0	0.0	0.0	2.8	–	–	–	0.0	–
100.0	65.0	–	–	–	–	0.0	0.0	13.1	–	–	–	–	–
100.0	75.0	–	–	–	–	6.8	0.0	15.9	–	–	–	–	–
103.0	60.0	0.0	0.0	–	0.0	0.0	0.0	2.7	–	–	–	0.0	–
103.0	70.0	–	0.0	0.0	3.2	0.0	0.0	0.0	–	–	–	0.0	–
107.0	40.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	–	–	0.0	–	–
107.0	45.0	–	–	–	2.8	0.0	0.0	0.0	–	–	–	–	–
107.0	55.0	–	–	–	9.5	0.0	0.0	0.0	–	–	–	–	–
107.0	65.0	–	–	–	–	6.0	0.0	0.0	–	–	–	–	–
107.0	70.0	–	0.0	0.0	4.3	0.0	0.0	0.0	–	–	0.0	–	–
107.0	75.0	–	–	–	–	2.1	6.2	0.0	–	–	–	–	–
107.0	80.0	–	–	–	0.0	6.4	0.0	0.0	–	–	0.0	–	–
107.0	85.0	–	–	–	–	14.2	0.0	0.0	–	–	–	–	–
107.0	90.0	–	–	–	0.0	11.6	0.0	0.0	–	–	–	–	–
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	–	3.3	–	0.0	–	–
110.0	75.0	–	–	–	–	0.0	0.0	–	3.7	–	–	–	–
110.0	80.0	–	0.0	–	0.0	6.0	0.0	–	0.0	–	0.0	–	–
110.0	85.0	–	–	–	–	5.6	0.0	–	0.0	–	–	–	–
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	–	–
123.0	55.0	–	0.0	0.0	0.0	–	0.0	3.1	–	–	–	–	–
123.0	70.0	–	–	–	0.0	–	–	3.3	–	–	0.0	–	–
127.0	45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–
133.0	70.0	–	–	–	0.0	–	–	0.0	–	–	2.8	–	–
157.0	15.0	–	–	–	2.8	–	0.0	–	–	–	–	–	–

Stenobrachius leucopsarus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	55.0	–	–	–	–	97.0	0.0	0.0	–	–	–	–	–
60.0	60.0	–	–	–	–	14.2	0.0	0.0	–	–	–	–	–
60.0	70.0	–	–	–	–	72.3	22.7	0.0	–	–	–	–	–
60.0	80.0	–	–	–	–	41.8	11.6	–	–	–	–	–	–

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	90.0	-	-	-	-	4.3	0.0	-	-	-	-	-	-
63.0	55.0	-	-	-	-	16.9	0.0	0.0	-	-	-	-	-
63.0	60.0	-	-	-	-	93.0	0.0	0.0	-	-	-	-	-
63.0	70.0	-	-	-	-	3.6	0.0	15.0	-	-	-	-	-
67.0	55.0	-	-	-	-	0.0	19.1	0.0	-	-	-	-	-
67.0	60.0	-	-	-	-	3.5	0.0	0.0	-	-	-	-	-
70.0	52.0	-	-	-	-	21.1	0.0	0.0	-	-	-	-	-
70.0	55.0	-	-	-	-	138.6	0.0	0.0	-	-	-	2.7	-
70.0	60.0	-	-	-	-	51.6	6.3	7.1	-	-	-	3.1	-
70.0	70.0	-	-	-	-	133.5	11.9	0.0	-	-	-	2.5	-
70.0	80.0	-	-	-	-	6.9	0.0	-	-	-	-	0.0	-
70.0	90.0	-	-	-	-	3.3	16.5	-	-	-	-	-	-
73.0	50.0	-	-	-	-	18.2	0.0	9.5	-	-	-	-	-
73.0	55.0	-	-	-	-	37.3	30.9	0.0	-	-	-	0.0	-
73.0	60.0	-	-	-	-	200.6	12.1	0.0	-	-	-	3.1	-
73.0	70.0	-	-	-	-	16.5	34.1	0.0	-	-	-	-	-
73.0	80.0	-	-	-	-	15.6	12.3	-	-	-	-	-	-
77.0	50.0	-	-	-	-	13.2	18.4	0.0	-	-	-	-	-
77.0	55.0	-	-	-	-	45.1	152.5	0.0	-	-	-	-	-
77.0	60.0	-	-	-	-	241.2	6.4	0.0	-	-	-	-	-
77.0	70.0	-	-	-	-	29.7	0.0	0.0	-	-	-	-	-
77.0	80.0	-	-	-	-	11.1	0.0	0.0	-	-	-	-	-
80.0	51.0	-	876.5	3.0	23.0	0.0	25.4	0.0	-	-	0.0	-	0.0
80.0	55.0	-	5.9	100.3	141.4	0.0	0.0	5.7	-	-	0.0	0.0	3.0
80.0	60.0	-	71.0	48.3	48.4	0.0	16.6	0.0	-	-	0.0	0.0	7.3
80.0	70.0	-	131.0	5.5	180.9	328.4	13.2	0.0	-	-	0.0	0.0	0.0
80.0	80.0	-	17.7	46.4	27.5	16.2	0.0	0.0	-	-	-	-	0.0
80.0	90.0	-	0.0	35.5	63.6	0.0	0.0	0.0	-	-	0.0	-	3.2
82.0	47.0	-	21.4	71.5	156.6	158.4	0.0	0.0	-	-	0.0	0.0	-
83.0	40.0	-	60.9	26.6	7.9	0.0	0.0	0.0	-	-	0.0	0.0	-
83.0	43.0	-	119.6	2.8	46.2	20.2	0.0	0.0	-	-	0.0	0.0	-
83.0	48.0	-	-	75.6	-	-	-	-	-	-	-	-	-
83.0	51.0	-	198.9	-	279.6	27.6	14.2	0.0	-	-	0.0	0.0	-
83.0	52.0	-	61.7	62.1	-	-	-	-	-	-	-	-	-
83.0	55.0	-	-	-	-	88.4	3.4	8.6	-	-	-	0.0	-
83.0	60.0	-	84.2	35.3	148.8	0.0	0.0	0.0	-	-	0.0	0.0	-
83.0	70.0	-	-	23.0	0.0	0.0	15.0	0.0	-	-	4.7	-	-
83.0	75.0	-	-	-	-	-	10.4	0.0	-	-	-	-	-
83.0	80.0	-	-	-	0.0	22.8	0.0	0.0	-	-	0.0	-	-
83.0	85.0	-	-	-	-	-	2.9	0.0	-	-	-	-	-
83.0	90.0	-	-	-	2.3	3.3	0.0	-	-	-	0.0	-	9.0
86.0	46.0	-	0.0	-	324.7	-	-	-	-	-	-	-	-
87.0	35.0	-	106.8	-	-	-	0.0	-	-	-	-	-	-
87.0	36.0	-	-	529.8	128.3	65.1	-	0.0	-	-	0.0	0.0	-
87.0	38.0	-	36.4	-	-	-	-	-	-	-	-	-	-
87.0	40.0	-	269.3	386.4	301.3	35.0	8.1	-	-	-	0.0	0.0	-

TABLE 4. (cont.)

Stenobrachius leucopsarus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	45.0	-	-	199.7	-	41.8	0.0	10.8	-	-	0.0	0.0	-
87.0	50.0	-	0.0	23.4	550.4	0.0	11.6	4.7	-	-	0.0	0.0	-
87.0	55.0	-	0.0	-	-	39.0	164.7	2.9	-	-	0.0	0.0	-
87.0	60.0	-	67.7	0.0	0.0	10.9	15.0	0.0	-	-	0.0	3.8	-
87.0	65.0	-	-	-	-	0.0	38.8	0.0	-	-	-	-	-
87.0	70.0	-	45.1	482.2	113.6	3.3	13.0	0.0	-	-	0.0	-	-
87.0	75.0	-	-	-	-	23.4	0.0	0.0	-	-	-	-	-
87.0	80.0	-	-	-	0.0	9.3	0.0	-	-	-	0.0	-	-
87.0	85.0	-	-	-	-	19.5	0.0	0.0	-	-	-	-	-
87.0	90.0	-	-	-	121.0	13.8	3.0	0.0	-	-	0.0	-	0.0
90.0	28.0	-	60.3	121.5	184.9	21.4	7.9	0.0	-	-	0.0	0.0	0.0
90.0	30.0	-	25.0	219.8	125.4	7.6	15.8	0.0	-	-	0.0	0.0	0.0
90.0	37.0	-	126.8	349.2	86.8	12.7	12.8	0.0	-	-	0.0	0.0	0.0
90.0	45.0	-	0.0	32.1	408.0	0.0	35.8	0.0	-	-	0.0	0.0	0.0
90.0	50.0	-	-	-	-	22.2	7.2	8.4	-	-	0.0	0.0	0.0
90.0	55.0	-	0.0	0.0	542.4	46.2	14.0	0.0	-	-	-	0.0	0.0
90.0	60.0	-	8.7	188.1	29.3	136.8	12.6	0.0	-	-	0.0	0.0	3.3
90.0	65.0	-	-	-	-	0.0	18.7	0.0	-	-	-	-	-
90.0	70.0	-	0.0	190.4	29.0	19.8	3.1	0.0	-	-	0.0	-	0.0
90.0	75.0	-	-	-	-	19.6	0.0	0.0	-	-	-	-	-
90.0	80.0	-	0.0	40.0	24.8	0.0	16.4	0.0	-	-	0.0	-	0.0
90.0	85.0	-	-	-	-	0.0	3.3	0.0	-	-	-	-	-
90.0	90.0	-	0.0	12.6	105.9	6.0	26.8	0.0	-	-	0.0	-	0.0
93.0	27.0	-	114.8	56.2	6.3	27.0	0.0	0.0	-	-	0.0	0.0	-
93.0	30.0	-	32.0	261.4	40.9	24.4	0.0	0.0	-	-	0.0	0.0	-
93.0	35.0	-	-	-	62.4	8.3	3.1	0.0	-	-	0.0	0.0	-
93.0	40.0	-	22.2	22.6	560.0	5.4	0.0	0.0	-	-	0.0	0.0	-
93.0	45.0	-	-	-	395.5	0.0	0.0	0.0	-	-	-	0.0	-
93.0	50.0	-	136.0	168.6	373.0	9.1	3.4	0.0	-	-	-	0.0	-
93.0	55.0	-	-	-	134.4	46.4	0.0	0.0	-	-	-	0.0	-
93.0	60.0	-	40.3	90.7	0.0	24.7	0.0	0.0	-	-	-	0.0	-
93.0	65.0	-	-	-	-	76.8	0.0	0.0	-	-	-	-	-
93.0	70.0	-	0.0	0.0	0.0	46.1	0.0	0.0	-	-	-	0.0	-
93.0	80.0	-	-	-	-	2.7	0.0	0.0	-	-	-	0.0	-
93.0	90.0	-	-	-	44.5	3.0	0.0	0.0	-	-	-	0.0	-
97.0	30.0	-	5.3	5.1	3.1	75.8	0.0	0.0	-	-	-	0.0	-
97.0	32.0	-	0.0	-	73.6	3.2	0.0	0.0	-	-	-	0.0	0.0
97.0	40.0	-	12.4	179.8	6.0	0.0	0.0	0.0	-	-	-	0.0	-
97.0	45.0	-	-	-	12.3	0.0	0.0	0.0	-	-	-	0.0	-
97.0	50.0	-	98.1	5.7	-	2.9	0.0	0.0	-	-	-	0.0	-
97.0	60.0	-	25.9	-	12.8	0.0	0.0	0.0	-	-	-	0.0	-
97.0	80.0	-	-	-	9.4	0.0	0.0	0.0	-	-	-	0.0	-
97.0	90.0	-	-	-	53.6	0.0	0.0	0.0	-	-	-	0.0	-
100.0	29.0	-	0.0	20.9	10.5	22.6	0.0	0.0	-	-	-	0.0	-
100.0	33.0	-	0.0	47.9	120.1	42.6	0.0	-	-	-	-	-	-
100.0	40.0	-	0.0	33.7	0.0	14.8	0.0	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.
100.0	50.0	-	44.8	0.0	3.1	4.8	0.0	0.0	-	-	-	0.0	-
100.0	55.0	-	-	-	0.0	0.0	3.3	0.0	-	-	-	-	-
100.0	60.0	0.0	10.2	0.0	33.9	0.0	0.0	0.0	-	-	-	0.0	-
100.0	80.0	-	3.4	-	0.0	0.0	0.0	-	-	-	-	0.0	-
100.0	90.0	-	7.4	-	0.0	0.0	0.0	-	-	-	-	0.0	-
103.0	30.0	2.5	0.0	0.0	34.3	0.0	0.0	0.0	-	-	-	0.0	-
103.0	35.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-
103.0	38.0	0.0	39.4	-	-	-	-	-	-	-	-	-	-
103.0	40.0	6.1	56.5	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-
103.0	50.0	0.0	21.5	0.0	0.0	0.0	3.3	0.0	-	-	-	0.0	0.0
103.0	60.0	0.0	0.0	-	6.8	0.0	0.0	0.0	-	-	-	0.0	-
107.0	40.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0	50.0	0.0	10.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	33.0	-	10.4	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	35.0	-	0.0	3.5	18.8	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	40.0	0.0	0.0	0.0	7.1	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	45.0	-	-	-	0.0	3.1	0.0	-	0.0	-	-	-	-
113.0	30.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	3.1	0.0	0.0	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.
77.0	70.0	-	-	-	-	0.0	0.0	3.8	-	-	-	-	-
80.0	55.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	0.0	0.0
80.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.7	0.0	0.0
82.0	47.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	4.7	-
83.0	40.0	-	0.0	0.0	0.0	0.0	0.0	3.5	-	-	0.0	0.0	-
83.0	43.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	7.1	0.0	-
83.0	65.0	-	-	-	-	-	3.2	0.0	-	-	-	-	-
83.0	70.0	-	-	0.0	0.0	0.0	6.0	2.9	-	-	0.0	-	-
83.0	85.0	-	-	-	-	-	2.9	0.0	-	-	-	-	-
87.0	36.0	-	-	0.0	0.0	0.0	-	0.0	-	-	2.9	6.8	-
87.0	40.0	-	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	3.9	-
87.0	50.0	-	0.0	0.0	0.0	0.0	0.0	2.4	-	-	0.0	0.0	-
87.0	80.0	-	-	-	0.0	0.0	3.1	-	-	-	0.0	-	-
87.0	85.0	-	-	-	-	0.0	2.7	7.0	-	-	-	-	-
87.0	90.0	-	-	-	0.0	0.0	6.0	0.0	-	-	5.5	-	0.0
90.0	28.0	-	0.0	0.0	0.0	0.0	0.0	2.0	-	-	6.5	22.1	0.0
90.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.4	5.9	0.0
90.0	37.0	-	0.0	0.0	0.0	0.0	0.0	9.7	-	-	3.3	1.9	0.0
90.0	45.0	-	0.0	0.0	26.3	0.0	0.0	42.3	-	-	0.0	0.0	0.0
90.0	60.0	-	0.0	0.0	0.0	0.0	0.0	4.7	-	-	0.0	3.4	0.0
90.0	70.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.2	-	0.0
90.0	80.0	-	0.0	0.0	0.0	2.6	3.3	0.0	-	-	0.0	-	36.3

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	85.0	-	-	-	-	0.0	3.3	0.0	-	-	-	-	-
90.0	90.0	-	0.0	3.2	0.0	6.0	0.0	31.7	-	-	0.0	-	0.0
93.0	30.0	-	0.0	0.0	0.0	0.0	34.3	2.7	-	-	3.5	0.0	-
93.0	35.0	-	-	-	0.0	2.1	12.3	13.0	-	-	8.9	0.0	-
93.0	40.0	-	0.0	0.0	0.0	0.0	6.2	14.6	-	-	0.0	0.0	-
93.0	45.0	-	-	-	0.0	0.0	25.1	24.4	-	-	-	0.0	-
93.0	50.0	-	0.0	0.0	0.0	0.0	54.2	28.2	-	-	-	13.4	-
93.0	55.0	-	-	-	0.0	0.0	13.1	33.0	-	-	-	0.0	-
93.0	60.0	-	0.0	0.0	0.0	0.0	7.4	7.0	-	-	-	0.0	-
93.0	65.0	-	-	-	-	0.0	18.4	0.0	-	-	-	-	-
93.0	70.0	-	0.0	0.0	0.0	0.0	4.0	30.7	-	-	-	6.1	-
93.0	75.0	-	-	-	-	10.7	7.0	121.7	-	-	-	-	-
93.0	80.0	-	-	-	-	0.0	0.0	57.0	-	-	-	0.0	-
93.0	85.0	-	-	-	-	10.4	14.2	0.0	-	-	-	-	-
97.0	30.0	-	0.0	0.0	0.0	0.0	22.8	9.9	-	-	-	3.2	-
97.0	32.0	-	0.0	-	0.0	0.0	0.0	0.0	-	-	-	1.9	0.0
97.0	35.0	-	-	-	-	-	-	-	-	-	-	3.5	-
97.0	40.0	-	0.0	0.0	0.0	3.9	15.1	61.8	-	-	-	0.0	-
97.0	45.0	-	-	-	12.3	7.8	4.0	2.7	-	-	-	0.0	-
97.0	50.0	-	0.0	0.0	-	20.1	22.6	23.9	-	-	-	0.0	-
97.0	55.0	-	-	-	-	0.0	0.0	51.5	-	-	-	0.0	-
97.0	60.0	-	0.0	-	0.0	15.7	6.1	17.0	-	-	-	13.1	-
97.0	65.0	-	-	-	-	11.6	7.1	5.2	-	-	-	-	-
97.0	70.0	-	0.0	-	11.4	14.2	22.5	32.5	-	-	-	2.1	-
97.0	75.0	-	-	-	-	6.7	12.4	28.5	-	-	-	-	-
97.0	80.0	-	-	-	0.0	7.0	11.2	22.2	-	-	-	0.0	-
97.0	85.0	-	-	-	-	3.0	6.1	0.0	-	-	-	-	-
97.0	90.0	-	-	-	0.0	0.0	18.2	45.2	-	-	-	0.0	-
100.0	30.0	-	-	-	-	-	-	-	-	-	-	9.6	-
100.0	32.0	-	-	-	-	-	-	8.5	-	-	-	-	-
100.0	33.0	-	0.0	0.0	0.0	0.0	17.9	-	-	-	-	-	-
100.0	35.0	-	-	-	-	-	-	-	-	-	-	3.3	-
100.0	40.0	-	0.0	0.0	0.0	3.7	0.0	84.8	-	-	-	2.8	0.0
100.0	45.0	-	-	-	9.5	14.1	18.2	25.7	-	-	-	-	-
100.0	50.0	-	0.0	0.0	0.0	0.0	62.8	114.4	-	-	-	12.0	-
100.0	55.0	-	-	-	3.4	9.1	3.3	10.4	-	-	-	-	-
100.0	60.0	0.0	0.0	0.0	14.5	8.9	6.2	5.4	-	-	-	3.2	-
100.0	65.0	-	-	-	-	36.1	5.4	149.3	-	-	-	-	-
100.0	70.0	-	0.0	-	5.3	85.5	11.2	-	-	-	-	0.0	-
100.0	75.0	-	-	-	-	20.5	0.0	6.3	-	-	-	-	-
100.0	80.0	-	0.0	-	0.0	6.5	0.0	-	-	-	-	0.0	-
100.0	85.0	-	-	-	-	10.3	18.5	-	-	-	-	-	-
100.0	90.0	-	0.0	-	5.3	0.0	8.4	-	-	-	-	0.0	-
103.0	30.0	0.0	0.0	0.0	30.0	18.1	58.2	0.0	-	-	-	7.9	-
103.0	35.0	0.0	0.0	0.0	39.8	16.4	32.2	0.0	-	-	-	0.0	-
103.0	40.0	0.0	0.0	0.0	8.5	48.2	49.7	0.0	-	-	-	15.8	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	45.0	-	-	-	3.1	17.9	34.8	19.8	-	-	-	-	-
103.0	50.0	0.0	0.0	0.0	2.7	2.6	13.4	9.9	-	-	-	0.0	0.0
103.0	55.0	-	-	-	5.6	7.1	13.1	30.7	-	-	-	-	-
103.0	60.0	0.0	0.0	-	3.4	10.4	26.9	194.9	-	-	-	3.2	-
103.0	65.0	-	-	-	-	26.5	59.0	61.0	-	-	-	-	-
103.0	70.0	-	0.0	18.6	32.0	6.4	16.5	9.2	-	-	-	0.0	-
103.0	75.0	-	-	-	-	5.9	23.9	23.7	-	-	-	-	-
103.0	80.0	-	-	-	0.0	41.2	3.3	-	-	-	-	0.0	-
103.0	85.0	-	-	-	-	24.2	0.0	-	-	-	-	-	-
103.0	90.0	-	-	-	0.0	13.5	0.0	-	-	-	-	-	-
107.0	32.0	0.0	-	0.0	0.0	0.0	-	7.3	-	-	-	-	-
107.0	35.0	0.0	-	0.0	0.0	10.5	17.0	62.8	-	-	13.0	-	-
107.0	40.0	0.0	0.0	0.0	3.3	60.8	30.8	18.4	-	-	21.8	-	-
107.0	45.0	-	-	-	19.9	12.1	6.7	41.7	-	-	-	-	-
107.0	50.0	0.0	5.4	0.0	0.0	27.4	58.6	13.3	-	-	43.4	-	-
107.0	55.0	-	-	-	25.4	38.5	28.2	9.7	-	-	-	-	-
107.0	60.0	0.0	0.0	7.6	35.0	42.4	40.7	180.2	-	-	33.6	-	0.0
107.0	65.0	-	-	-	-	15.1	32.7	147.8	-	-	-	-	-
107.0	70.0	-	0.0	65.3	4.3	103.8	61.0	0.0	-	-	16.3	-	-
107.0	75.0	-	-	-	-	4.2	21.6	6.5	-	-	-	-	-
107.0	80.0	-	-	-	0.0	25.5	21.4	38.2	-	-	3.2	-	-
107.0	85.0	-	-	-	-	24.9	12.8	124.9	-	-	-	-	-
107.0	90.0	-	-	-	0.0	31.8	12.8	17.1	-	-	-	-	-
110.0	33.0	-	0.0	0.0	0.0	2.8	0.0	-	4.5	12.1	21.4	-	-
110.0	35.0	-	0.0	0.0	0.0	23.7	6.2	-	23.4	85.0	85.8	-	-
110.0	40.0	0.0	0.0	0.0	42.4	0.0	6.1	-	47.2	57.2	11.2	-	-
110.0	45.0	-	-	-	0.0	24.6	0.0	-	136.1	-	-	-	-
110.0	50.0	0.0	0.0	0.0	2.9	9.2	3.0	-	42.8	-	56.8	-	-
110.0	55.0	-	-	-	0.0	6.3	31.3	-	33.0	-	-	-	-
110.0	60.0	0.0	0.0	0.0	0.0	3.0	83.4	-	88.2	-	234.3	-	-
110.0	65.0	-	-	-	-	10.6	73.4	-	147.2	-	-	-	-
110.0	70.0	-	0.0	0.0	9.9	15.9	108.5	-	10.3	-	16.5	-	0.0
110.0	75.0	-	-	-	-	40.5	171.7	-	7.4	-	-	-	-
110.0	80.0	-	0.0	-	23.4	87.6	212.4	-	20.6	-	0.0	-	-
110.0	85.0	-	-	-	-	61.2	8.6	-	39.8	-	-	-	-
110.0	90.0	-	0.0	-	6.7	212.8	0.0	-	44.5	-	-	-	-
113.0	30.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	5.4	0.0	2.8	-	-
113.0	35.0	0.0	5.0	12.7	39.5	12.4	2.7	0.0	53.2	316.1	38.9	-	-
113.0	40.0	2.6	5.0	7.0	15.1	73.2	18.4	12.8	14.9	345.1	28.0	-	-
113.0	45.0	-	-	-	8.5	11.0	58.0	0.0	-	-	-	-	-
113.0	50.0	0.0	0.0	6.6	14.6	100.7	83.6	27.1	-	-	50.4	-	-
113.0	55.0	-	-	-	28.6	11.7	51.8	56.0	-	-	-	-	-
113.0	60.0	0.0	0.0	0.0	120.7	0.0	0.0	18.4	-	-	18.3	-	-
113.0	65.0	-	-	-	-	5.4	7.2	34.3	-	-	-	-	-
113.0	70.0	0.0	0.0	0.0	7.6	28.5	60.5	28.0	-	-	33.2	-	-
113.0	75.0	-	-	-	-	5.1	76.2	3.3	-	-	-	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	80.0	-	-	-	2.9	20.7	5.0	21.7	-	-	175.4	-	-
113.0	85.0	-	-	-	-	-	14.7	-	-	-	-	-	-
113.0	90.0	-	-	-	-	-	15.1	-	-	-	-	-	-
115.0	27.0	-	-	-	-	-	-	-	2.9	0.0	-	-	-
115.0	30.0	-	-	-	-	-	-	-	0.0	3.1	-	-	-
115.0	35.0	-	-	-	-	-	-	-	2.8	35.0	-	-	-
115.0	40.0	-	-	-	-	-	-	-	39.9	260.0	-	-	-
117.0	26.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	14.6	5.3	54.2	-	-
117.0	30.0	0.0	0.0	6.2	0.0	0.0	6.8	0.0	8.8	9.3	23.2	-	-
117.0	35.0	0.0	0.0	0.0	7.6	12.4	7.4	0.0	96.0	18.0	19.2	-	-
117.0	40.0	0.0	2.3	6.0	10.4	5.4	74.8	6.7	13.7	115.5	43.5	-	-
117.0	45.0	-	-	-	0.0	6.9	24.3	3.7	-	-	-	-	-
117.0	50.0	0.0	0.0	6.2	0.0	16.8	18.8	16.7	-	-	89.9	-	-
117.0	55.0	-	-	-	0.0	12.2	2.6	42.1	-	-	-	-	-
117.0	60.0	0.0	0.0	12.3	10.5	3.1	4.9	59.2	-	-	126.5	-	-
117.0	65.0	-	-	-	-	0.0	7.1	22.1	-	-	-	-	-
117.0	70.0	0.0	0.0	9.6	13.4	18.2	2.5	6.6	-	-	53.8	-	-
117.0	75.0	-	-	-	-	8.1	5.6	40.4	-	-	-	-	-
117.0	80.0	-	-	-	55.7	26.8	41.5	47.3	-	-	27.1	-	-
117.0	85.0	-	-	-	-	-	10.0	-	-	-	-	-	-
117.0	90.0	-	-	-	-	-	12.8	-	-	-	-	-	-
118.0	39.0	-	-	0.0	21.5	0.0	24.1	3.3	-	-	2.4	-	-
118.5	25.0	-	-	-	-	-	-	-	0.0	2.5	-	-	-
118.5	30.0	-	-	-	-	-	-	-	6.4	7.5	-	-	-
119.0	33.0	-	-	0.0	0.0	5.4	0.0	0.0	8.7	0.0	5.2	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	10.1	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	46.8	9.3	2.1	-	-
120.0	35.0	0.0	0.0	0.0	0.0	12.0	3.4	17.2	27.7	0.0	0.0	-	-
120.0	40.0	0.0	4.7	0.0	-	1.5	0.0	0.0	4.1	3.0	0.0	-	-
120.0	45.0	0.0	22.2	-	-	2.5	12.8	0.0	55.7	126.9	19.6	-	-
120.0	50.0	0.0	8.3	-	0.0	0.0	0.0	0.0	-	-	2.7	-	-
120.0	55.0	0.0	4.7	-	0.0	2.8	0.0	3.3	-	-	-	-	-
120.0	60.0	2.6	0.0	0.0	0.0	0.0	3.7	17.6	-	-	36.1	-	-
120.0	65.0	-	-	-	-	54.5	3.4	67.3	-	-	-	-	-
120.0	70.0	0.0	0.0	0.0	19.6	129.4	25.8	107.5	-	-	52.2	-	-
120.0	75.0	-	-	-	-	35.0	41.9	13.6	-	-	-	-	-
120.0	80.0	-	0.0	0.0	3.0	30.1	23.1	0.0	-	-	55.7	-	-
120.0	85.0	-	-	-	-	-	11.3	-	-	-	-	-	-
120.0	90.0	-	-	-	-	-	21.4	-	-	-	11.9	-	-
123.0	37.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	42.0	0.0	5.3	0.0	23.0	0.0	15.4	3.1	19.8	22.2	0.0	-	-
123.0	45.0	-	-	-	-	-	-	-	3.0	22.6	-	-	-
123.0	50.0	0.0	9.5	12.0	0.0	-	6.3	2.9	-	-	45.7	-	-
123.0	55.0	-	22.7	37.6	2.6	-	5.5	40.2	-	-	-	-	-
123.0	60.0	0.0	8.9	28.3	12.2	-	26.8	58.7	-	-	36.7	-	-
123.0	70.0	-	-	-	8.3	-	-	23.1	-	-	142.1	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	80.0	-	-	-	2.5	-	-	48.0	-	-	17.7	-	-
127.0	34.0	0.0	7.9	30.5	0.0	20.4	0.0	0.0	0.0	0.0	0.0	-	-
127.0	40.0	0.0	28.2	22.5	0.0	27.3	22.2	6.1	60.5	86.5	11.3	-	-
127.0	45.0	-	10.0	0.0	6.1	14.3	13.9	3.2	54.1	15.1	7.6	-	-
127.0	50.0	0.0	2.6	0.0	21.1	-	0.0	37.4	-	-	4.3	-	-
127.0	55.0	-	10.4	6.7	68.5	-	4.6	77.5	-	-	-	-	-
127.0	60.0	0.0	37.4	3.4	6.0	-	22.2	26.1	-	-	22.8	-	-
127.0	70.0	-	-	-	6.1	-	-	0.0	-	-	40.0	-	-
127.0	80.0	-	-	-	2.7	-	-	-	-	-	10.8	-	-
130.0	30.0	0.0	0.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	35.0	0.0	61.0	0.0	8.4	14.5	0.0	0.0	14.9	3.1	0.0	-	-
130.0	40.0	11.6	13.0	32.3	0.0	37.2	9.4	0.0	27.5	9.9	0.0	-	-
130.0	45.0	-	-	-	-	-	0.0	3.0	29.7	6.0	-	-	-
130.0	50.0	0.0	0.0	23.9	6.1	88.6	3.3	0.0	-	-	3.3	-	-
130.0	55.0	-	-	-	52.5	-	5.9	8.4	-	-	-	-	-
130.0	60.0	8.6	5.2	24.4	3.1	13.7	9.1	7.0	-	-	6.8	-	-
130.0	70.0	-	-	-	0.0	-	-	0.0	-	-	14.9	-	-
130.0	80.0	-	-	-	0.0	-	-	29.0	-	-	11.6	-	-
133.0	25.0	0.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	30.0	0.0	9.5	21.8	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-
133.0	35.0	0.0	-	32.2	35.8	-	0.0	0.0	-	-	0.0	-	-
133.0	40.0	0.0	6.3	8.6	17.8	10.6	2.7	0.0	-	-	3.0	-	-
133.0	45.0	-	-	-	8.3	-	0.0	0.0	-	-	-	-	-
133.0	50.0	-	12.7	9.7	3.2	0.0	0.0	6.8	-	-	0.0	-	-
133.0	55.0	-	-	-	23.1	-	-	-	-	-	-	-	-
133.0	60.0	-	-	-	17.5	-	-	37.4	-	-	2.9	-	-
133.0	70.0	-	-	-	2.9	-	-	12.8	-	-	8.5	-	-
133.0	80.0	-	-	-	2.2	-	-	12.5	-	-	8.1	-	-
137.0	30.0	0.0	0.0	11.2	0.0	0.0	0.0	6.9	27.3	3.3	3.7	-	-
137.0	35.0	0.0	9.8	46.7	-	-	0.0	3.6	-	-	0.0	-	-
137.0	40.0	-	8.8	139.7	28.6	-	2.5	3.7	-	-	0.0	-	-
137.0	45.0	-	-	-	4.8	-	16.7	0.0	-	-	-	-	-
137.0	50.0	-	21.4	3.2	0.0	0.0	0.0	6.6	-	-	0.0	-	-
137.0	60.0	-	-	-	0.0	-	-	18.4	-	-	0.0	-	-
137.0	70.0	-	-	-	3.1	-	-	41.1	-	-	3.3	-	-
137.0	80.0	-	-	-	0.0	-	-	5.7	-	-	0.0	-	-
140.0	35.0	-	7.3	2.8	0.0	-	0.0	-	-	-	-	-	-
140.0	40.0	-	11.4	12.7	0.0	-	5.6	-	-	-	-	-	-
140.0	45.0	-	-	-	16.0	-	-	-	-	-	-	-	-
140.0	50.0	-	13.5	0.0	0.0	-	15.3	-	-	-	-	-	-
143.0	30.0	-	0.0	0.0	2.5	-	0.0	-	-	-	-	-	-
143.0	35.0	-	0.0	9.8	2.5	-	0.0	-	-	-	-	-	-
143.0	40.0	-	0.0	12.3	11.4	-	3.8	-	-	-	-	-	-
143.0	50.0	-	6.0	0.0	-	-	31.7	-	-	-	-	-	-
147.0	25.0	-	10.9	2.6	0.0	-	-	-	-	-	-	-	-
147.0	30.0	-	0.0	0.0	3.0	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Triphoturus mexicanus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
147.0	35.0	–	–	–	5.7	–	–	–	–	–	–	–	–
147.0	40.0	–	0.0	0.0	14.8	–	–	–	–	–	–	–	–
148.0	20.0	–	–	–	–	–	5.8	–	–	–	–	–	–

Diogenichthys spp.

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	0.0	0.0	–	–	2.9	–	0.0
83.0	60.0	–	4.7	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
87.0	55.0	–	0.0	–	–	0.0	0.0	0.0	–	–	2.4	0.0	–
97.0	45.0	–	–	–	0.0	2.6	0.0	0.0	–	–	–	0.0	–
97.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	6.7	–
100.0	70.0	–	0.0	–	0.0	34.2	0.0	–	–	–	–	0.0	–
100.0	85.0	–	–	–	–	0.0	3.1	–	–	–	–	–	–
103.0	45.0	–	–	–	0.0	0.0	0.0	2.8	–	–	–	–	–
103.0	60.0	0.0	0.0	–	0.0	0.0	0.0	2.7	–	–	–	0.0	–
103.0	70.0	–	0.0	0.0	6.4	0.0	0.0	0.0	–	–	–	0.0	–
107.0	55.0	–	–	–	0.0	2.1	0.0	0.0	–	–	–	–	–
107.0	70.0	–	0.0	0.0	8.7	0.0	0.0	0.0	–	–	0.0	–	–
107.0	75.0	–	–	–	–	6.4	0.0	0.0	–	–	–	–	–
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	–	2.3	0.0	0.0	–	–
110.0	75.0	–	–	–	–	2.9	0.0	–	0.0	–	–	–	–
110.0	90.0	–	0.0	–	0.0	3.0	0.0	–	0.0	–	–	–	–
113.0	40.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
113.0	50.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
113.0	60.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	–	–	0.0	–	–
113.0	70.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	–	–	9.1	–	–
113.0	75.0	–	–	–	–	2.6	0.0	0.0	–	–	–	–	–
117.0	30.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	60.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	–	–	0.0	–	–
120.0	45.0	2.8	0.0	–	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	50.0	8.2	0.0	–	0.0	0.0	0.0	0.0	–	–	0.0	–	–
120.0	70.0	0.0	0.0	0.0	0.0	52.9	0.0	0.0	–	–	0.0	–	–
120.0	75.0	–	–	–	–	10.0	0.0	0.0	–	–	–	–	–
120.0	80.0	–	0.0	0.0	0.0	25.1	0.0	0.0	–	–	0.0	–	–
133.0	40.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–	0.0	–	–

Diogenichthys atlanticus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	90.0	–	–	–	–	–	9.5	–	–	–	–	–	–
70.0	52.0	–	–	–	–	7.0	0.0	0.0	–	–	–	–	–
77.0	80.0	–	–	–	–	0.0	0.0	18.3	–	–	–	–	–
77.0	90.0	–	–	–	–	–	0.0	3.0	–	–	–	–	–

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	60.0	-	0.0	0.0	0.0	0.0	5.5	0.0	-	-	0.0	0.0	0.0
80.0	80.0	-	0.0	0.0	0.0	3.2	0.0	0.0	-	-	-	-	0.0
80.0	90.0	-	0.0	0.0	0.0	3.7	6.0	0.0	-	-	0.0	-	0.0
83.0	60.0	-	0.0	0.0	0.0	2.9	3.4	0.0	-	-	0.0	0.0	-
83.0	65.0	-	-	-	-	-	6.3	0.0	-	-	-	-	-
83.0	90.0	-	-	-	2.3	0.0	0.0	-	-	-	0.0	-	0.0
87.0	50.0	-	3.0	0.0	27.5	0.0	0.0	0.0	-	-	0.0	0.0	-
87.0	80.0	-	-	-	0.0	0.0	0.0	-	-	-	3.2	-	-
87.0	85.0	-	-	-	-	2.8	0.0	0.0	-	-	-	-	-
90.0	45.0	-	0.0	0.0	0.0	0.0	0.0	4.7	-	-	0.0	0.0	0.0
90.0	65.0	-	-	-	-	9.4	0.0	0.0	-	-	-	-	-
90.0	70.0	-	0.0	0.0	0.0	0.0	0.0	11.0	-	-	0.0	-	0.0
90.0	80.0	-	0.0	0.0	0.0	0.0	3.3	0.0	-	-	0.0	-	0.0
90.0	85.0	-	-	-	-	0.0	3.3	0.0	-	-	-	-	-
90.0	90.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	3.3
93.0	35.0	-	-	-	0.0	0.0	0.0	2.6	-	-	0.0	0.0	-
93.0	40.0	-	0.0	0.0	0.0	0.0	0.0	2.9	-	-	0.0	0.0	-
93.0	45.0	-	-	-	0.0	0.0	0.0	6.7	-	-	-	0.0	-
93.0	65.0	-	-	-	-	5.1	0.0	0.0	-	-	-	-	-
93.0	80.0	-	-	-	-	0.0	0.0	0.0	-	-	-	6.3	-
93.0	85.0	-	-	-	-	10.4	0.0	0.0	-	-	-	-	-
97.0	65.0	-	-	-	-	2.9	3.5	0.0	-	-	-	-	-
97.0	70.0	-	0.0	-	8.5	9.5	3.2	0.0	-	-	-	2.1	-
97.0	75.0	-	-	-	-	6.7	0.0	0.0	-	-	-	-	-
97.0	90.0	-	-	-	0.0	0.0	0.0	0.0	-	-	-	9.3	-
100.0	29.0	-	0.0	0.0	0.0	4.5	0.0	0.0	-	-	-	0.0	-
100.0	55.0	-	-	-	0.0	0.0	6.6	0.0	-	-	-	-	-
100.0	60.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	-	-	-	0.0	-
100.0	65.0	-	-	-	-	0.0	8.1	5.2	-	-	-	-	-
100.0	70.0	-	0.0	-	24.6	6.8	5.6	-	-	-	-	8.5	-
100.0	75.0	-	-	-	-	4.6	6.1	0.0	-	-	-	-	-
100.0	80.0	-	0.0	-	3.4	0.0	0.0	-	-	-	-	0.0	-
100.0	85.0	-	-	-	-	17.1	0.0	-	-	-	-	-	-
100.0	90.0	-	0.0	-	0.0	9.6	14.1	-	-	-	-	0.0	-
103.0	35.0	0.0	0.0	0.0	0.0	6.6	8.8	0.0	-	-	-	0.0	-
103.0	40.0	0.0	0.0	0.0	0.0	13.8	22.9	0.0	-	-	-	0.0	-
103.0	45.0	-	-	-	0.0	7.7	7.7	0.0	-	-	-	-	-
103.0	55.0	-	-	-	0.0	0.0	0.0	5.1	-	-	-	-	-
103.0	60.0	9.5	3.0	-	3.4	0.0	0.0	0.0	-	-	-	0.0	-
103.0	70.0	-	0.0	0.0	0.0	0.0	3.3	0.0	-	-	-	6.7	-
103.0	75.0	-	-	-	-	2.9	6.8	0.0	-	-	-	-	-
103.0	80.0	-	-	-	3.0	13.7	6.6	-	-	-	-	0.0	-
103.0	85.0	-	-	-	-	19.4	3.3	-	-	-	-	-	-
103.0	90.0	-	-	-	0.0	5.4	0.0	-	-	-	-	-	-
107.0	35.0	0.0	-	0.0	0.0	0.0	10.2	0.0	-	-	0.0	-	-
107.0	40.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Diogenichthys atlanticus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	45.0	-	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-
107.0	50.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	9.5	0.0	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	5.6	11.4	14.0	0.0	0.0	0.0	-	-	0.0	-	3.7
107.0	65.0	-	-	-	-	3.0	3.3	0.0	-	-	-	-	-
107.0	70.0	-	2.3	15.5	8.7	18.9	9.6	0.0	-	-	0.0	-	-
107.0	75.0	-	-	-	-	0.0	3.1	0.0	-	-	-	-	-
107.0	80.0	-	-	-	0.0	25.5	3.6	0.0	-	-	0.0	-	-
110.0	50.0	10.9	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
110.0	60.0	0.0	0.0	0.0	3.9	3.0	0.0	-	0.0	-	0.0	-	-
110.0	70.0	-	0.0	15.5	6.6	0.0	0.0	-	0.0	-	0.0	-	0.0
110.0	80.0	-	0.0	-	3.3	12.1	0.0	-	0.0	-	0.0	-	-
110.0	85.0	-	-	-	-	2.8	0.0	-	0.0	-	-	-	-
110.0	90.0	-	0.0	-	0.0	12.2	0.0	-	0.0	-	-	-	-
113.0	45.0	-	-	-	0.0	2.7	3.2	0.0	-	-	-	-	-
113.0	50.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	-	-
113.0	80.0	-	-	-	0.0	3.0	0.0	0.0	-	-	0.0	-	-
117.0	30.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.1	-	-
117.0	60.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	4.1	-	-
120.0	80.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.9	-	-

Diogenichthys laternatus

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	0.0	0.0	-	-	0.0	5.5	0.0
90.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.4	2.9	0.0
93.0	35.0	-	-	-	0.0	0.0	0.0	0.0	-	-	4.5	0.0	-
97.0	32.0	-	0.0	-	0.0	0.0	0.0	0.0	-	-	-	2.0	0.0
97.0	40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	3.4	-
100.0	30.0	-	-	-	-	-	-	-	-	-	-	3.2	-
100.0	35.0	-	-	-	-	-	-	-	-	-	-	3.3	-
100.0	40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	2.8	0.0
100.0	60.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	-	-	-	0.0	-
100.0	65.0	-	-	-	-	3.0	0.0	0.0	-	-	-	-	-
100.0	80.0	-	0.0	-	0.0	0.0	0.0	-	-	-	-	12.0	-
103.0	55.0	-	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-
103.0	65.0	-	-	-	-	0.0	0.0	18.6	-	-	-	-	-
107.0	35.0	0.0	-	0.0	0.0	0.0	0.0	10.5	-	-	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	-	-	7.3	-	-
107.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	-	-	91.1	-	-
107.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	-	-	26.1	-	0.0
107.0	65.0	-	-	-	-	0.0	0.0	43.7	-	-	-	-	-
107.0	70.0	-	0.0	6.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	33.0	-	0.0	0.0	0.0	0.0	12.8	-	0.0	2.4	21.4	-	-
110.0	35.0	-	0.0	0.0	0.0	0.0	15.5	-	1.5	7.1	12.3	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.0	2.9	16.7	-	-
110.0	45.0	-	-	-	0.0	0.0	0.0	-	22.7	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	-	6.6	-	31.2	-	-
110.0	55.0	-	-	-	0.0	0.0	0.0	-	16.5	-	-	-	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	-	0.0	-	60.3	-	-
110.0	65.0	-	-	-	-	0.0	0.0	-	142.9	-	-	-	-
110.0	70.0	-	0.0	0.0	0.0	0.0	7.0	-	0.0	-	0.0	-	25.4
110.0	75.0	-	-	-	-	0.0	16.2	-	0.0	-	-	-	-
110.0	80.0	-	0.0	-	0.0	0.0	0.0	-	0.0	-	2.8	-	-
110.0	85.0	-	-	-	-	13.9	0.0	-	6.6	-	-	-	-
110.0	90.0	-	0.0	-	6.7	3.0	0.0	-	3.4	-	-	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	8.4	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	5.3	131.5	32.4	-	-
113.0	40.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	101.5	18.7	-	-
113.0	45.0	-	-	-	0.0	2.7	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	0.0	3.3	0.0	2.7	0.0	0.0	-	-	26.4	-	-
113.0	55.0	-	-	-	0.0	0.0	34.6	0.0	-	-	-	-	-
113.0	60.0	0.0	0.0	0.0	0.0	0.0	5.8	3.7	-	-	47.0	-	-
113.0	65.0	-	-	-	-	0.0	0.0	10.3	-	-	-	-	-
113.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	-	-	30.2	-	-
113.0	75.0	-	-	-	-	0.0	5.1	0.0	-	-	-	-	-
113.0	80.0	-	-	-	2.9	0.0	0.0	10.9	-	-	257.6	-	-
113.0	90.0	-	-	-	-	-	3.0	-	-	-	-	-	-
115.0	30.0	-	-	-	-	-	-	-	0.0	6.2	-	-	-
115.0	35.0	-	-	-	-	-	-	-	2.8	8.8	-	-	-
115.0	40.0	-	-	-	-	-	-	-	0.0	51.4	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	5.8	0.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	11.6	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	9.0	43.2	-	-
117.0	40.0	0.0	0.0	0.0	10.4	0.0	1.4	10.1	11.0	19.8	5.8	-	-
117.0	45.0	-	-	-	0.0	0.0	0.0	3.7	-	-	-	-	-
117.0	50.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	-	-	93.0	-	-
117.0	55.0	-	-	-	0.0	24.3	0.0	3.0	-	-	-	-	-
117.0	60.0	0.0	0.0	18.4	0.0	3.1	0.0	8.9	-	-	163.2	-	-
117.0	65.0	-	-	-	-	0.0	4.8	0.0	-	-	-	-	-
117.0	70.0	0.0	0.0	9.6	0.0	0.0	0.0	0.0	-	-	35.8	-	-
117.0	75.0	-	-	-	-	0.0	0.0	3.4	-	-	-	-	-
117.0	80.0	-	-	-	0.0	0.0	13.8	0.0	-	-	91.0	-	-
118.0	39.0	-	-	0.0	0.0	0.0	0.0	6.6	-	-	2.4	-	-
119.0	33.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	-	-
120.0	45.0	0.0	5.5	-	-	5.1	6.4	0.0	26.4	16.9	22.4	-	-
120.0	50.0	0.0	63.5	-	0.0	0.0	5.1	0.0	-	-	0.0	-	-
120.0	55.0	5.6	23.5	-	0.0	5.6	0.0	3.3	-	-	-	-	-
120.0	60.0	7.9	41.1	11.4	0.0	0.0	7.4	0.0	-	-	150.5	-	-

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	65.0	-	-	-	-	24.2	3.4	10.6	-	-	-	-	-
120.0	70.0	5.9	0.0	7.5	34.3	11.8	11.5	6.7	-	-	29.3	-	-
120.0	75.0	-	-	-	-	7.5	7.0	10.2	-	-	-	-	-
120.0	80.0	-	0.0	0.0	9.1	15.1	2.3	0.0	-	-	46.9	-	-
120.0	85.0	-	-	-	-	-	8.5	-	-	-	-	-	-
120.0	90.0	-	-	-	-	-	6.1	-	-	-	14.9	-	-
123.0	37.0	0.0	10.2	0.0	0.0	3.9	0.0	0.0	0.0	3.4	0.0	-	-
123.0	42.0	8.3	24.0	0.0	5.8	24.3	12.3	6.3	13.2	9.5	2.9	-	-
123.0	45.0	-	-	-	-	-	-	-	21.2	12.9	-	-	-
123.0	50.0	5.7	85.7	0.0	0.0	-	15.9	2.9	-	-	20.3	-	-
123.0	55.0	-	13.6	164.7	0.0	-	30.0	77.3	-	-	-	-	-
123.0	60.0	2.7	44.4	22.6	9.1	-	17.9	30.9	-	-	45.9	-	-
123.0	70.0	-	-	-	12.4	-	-	19.8	-	-	108.1	-	-
123.0	80.0	-	-	-	12.3	-	-	15.0	-	-	35.4	-	-
127.0	34.0	2.4	21.0	97.6	6.5	5.8	0.0	0.0	2.9	3.4	0.0	-	-
127.0	40.0	0.0	147.8	120.0	0.0	16.4	5.5	12.2	47.0	90.0	41.6	-	-
127.0	45.0	-	110.4	0.0	0.0	10.7	22.2	6.5	79.8	7.6	19.1	-	-
127.0	50.0	23.7	42.2	44.1	10.6	-	40.3	46.8	-	-	21.7	-	-
127.0	55.0	-	41.5	80.9	29.8	-	48.7	19.4	-	-	-	-	-
127.0	60.0	8.5	56.1	68.2	18.1	-	52.8	8.7	-	-	9.8	-	-
127.0	70.0	-	-	-	12.2	-	-	0.0	-	-	15.4	-	-
127.0	80.0	-	-	-	0.0	-	-	-	-	-	65.0	-	-
130.0	35.0	10.6	357.5	21.8	79.8	58.1	0.0	0.0	8.9	0.0	0.0	-	-
130.0	40.0	92.5	125.3	91.5	11.3	30.7	12.5	0.0	24.8	0.0	173.3	-	-
130.0	45.0	-	-	-	-	-	8.9	5.9	8.1	23.9	-	-	-
130.0	50.0	17.0	11.9	54.6	52.0	113.6	10.0	9.2	-	-	36.4	-	-
130.0	55.0	-	-	-	72.2	-	26.7	2.8	-	-	-	-	-
130.0	60.0	48.8	28.8	42.7	15.3	101.4	0.0	3.5	-	-	27.3	-	-
130.0	70.0	-	-	-	2.5	-	-	0.0	-	-	0.0	-	-
130.0	80.0	-	-	-	2.9	-	-	32.7	-	-	23.2	-	-
133.0	25.0	7.9	0.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0	9.1	-	-
133.0	30.0	10.6	28.4	109.2	0.0	0.0	0.0	6.7	0.0	17.6	0.0	-	-
133.0	35.0	14.1	-	22.5	23.8	-	0.0	6.8	-	-	9.9	-	-
133.0	40.0	26.7	35.9	28.7	71.3	66.3	10.6	0.0	-	-	6.1	-	-
133.0	45.0	-	-	-	55.6	-	2.1	0.0	-	-	-	-	-
133.0	50.0	-	120.8	9.7	76.1	9.4	3.4	0.0	-	-	27.8	-	-
133.0	55.0	-	-	-	34.7	-	-	-	-	-	-	-	-
133.0	60.0	-	-	-	8.8	-	-	106.1	-	-	32.2	-	-
133.0	70.0	-	-	-	14.5	-	-	28.8	-	-	28.2	-	-
133.0	80.0	-	-	-	2.2	-	-	18.8	-	-	12.2	-	-
137.0	30.0	0.0	0.0	5.6	0.0	2.8	0.0	38.0	39.4	32.9	14.8	-	-
137.0	35.0	0.0	14.8	87.6	-	-	2.5	14.2	-	-	36.5	-	-
137.0	40.0	-	57.2	125.1	19.0	-	2.5	0.0	-	-	0.0	-	-
137.0	45.0	-	-	-	9.6	-	18.8	3.3	-	-	-	-	-
137.0	50.0	-	0.0	28.4	14.7	4.8	16.3	6.6	-	-	8.8	-	-
137.0	55.0	-	-	-	11.6	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	60.0	-	-	-	2.8	-	-	15.3	-	-	6.2	-	-
137.0	70.0	-	-	-	28.3	-	-	47.4	-	-	78.0	-	-
137.0	80.0	-	-	-	3.2	-	-	2.9	-	-	22.0	-	-
140.0	30.0	-	4.1	0.0	0.0	-	0.0	-	-	-	-	-	-
140.0	35.0	-	0.0	11.0	7.6	-	0.0	-	-	-	-	-	-
140.0	40.0	-	8.6	25.4	175.4	-	30.6	-	-	-	-	-	-
140.0	45.0	-	-	-	41.0	-	-	-	-	-	-	-	-
140.0	50.0	-	91.0	14.5	20.1	-	168.5	-	-	-	-	-	-
140.0	55.0	-	-	-	7.7	-	-	-	-	-	-	-	-
140.0	60.0	-	-	-	26.9	-	-	-	-	-	-	-	-
140.0	70.0	-	-	-	28.6	-	-	-	-	-	-	-	-
140.0	80.0	-	-	-	2.5	-	-	-	-	-	-	-	-
143.0	30.0	-	0.0	0.0	9.9	-	0.0	-	-	-	-	-	-
143.0	35.0	-	2.1	19.5	10.1	-	0.0	-	-	-	-	-	-
143.0	40.0	-	0.0	18.4	5.7	-	22.6	-	-	-	-	-	-
143.0	50.0	-	24.1	0.0	-	-	14.1	-	-	-	-	-	-
147.0	20.0	-	9.3	0.0	0.0	-	-	-	-	-	-	-	-
147.0	25.0	-	3.6	0.0	5.8	-	-	-	-	-	-	-	-
147.0	30.0	-	2.9	2.9	11.9	-	-	-	-	-	-	-	-
147.0	35.0	-	-	-	11.4	-	-	-	-	-	-	-	-
147.0	40.0	-	0.0	0.0	137.8	-	-	-	-	-	-	-	-
147.0	45.0	-	-	-	23.3	-	-	-	-	-	-	-	-
147.0	50.0	-	-	-	6.0	-	-	-	-	-	-	-	-
147.0	55.0	-	-	-	17.1	-	-	-	-	-	-	-	-
147.0	60.0	-	-	-	2.4	-	-	-	-	-	-	-	-
147.0	80.0	-	-	-	8.7	-	-	-	-	-	-	-	-
148.0	20.0	-	-	-	-	-	98.9	-	-	-	-	-	-
148.0	25.0	-	-	-	-	-	102.2	-	-	-	-	-	-
148.0	30.0	-	-	-	-	-	194.3	-	-	-	-	-	-
148.0	40.0	-	-	-	-	-	42.4	-	-	-	-	-	-
148.0	50.0	-	-	-	-	-	19.9	-	-	-	-	-	-
150.0	19.0	-	33.1	2.3	-	-	-	-	-	-	-	-	-
150.0	20.0	-	-	-	3.0	-	-	-	-	-	-	-	-
150.0	40.0	-	0.0	0.0	265.7	-	-	-	-	-	-	-	-
153.0	16.0	-	67.6	-	0.0	-	6.0	-	-	-	-	-	-
153.0	20.0	-	10.2	-	29.8	-	3.0	-	-	-	-	-	-
153.0	25.0	-	-	-	15.2	-	0.0	-	-	-	-	-	-
153.0	30.0	-	48.2	-	56.0	-	6.8	-	-	-	-	-	-
153.0	35.0	-	-	-	132.0	-	-	-	-	-	-	-	-
153.0	40.0	-	2.3	-	1.9	-	0.0	-	-	-	-	-	-
153.0	45.0	-	-	-	5.4	-	-	-	-	-	-	-	-
153.0	50.0	-	-	-	3.0	-	-	-	-	-	-	-	-
157.0	15.0	-	-	-	16.7	-	26.6	-	-	-	-	-	-
157.0	20.0	-	52.7	-	46.6	-	83.4	-	-	-	-	-	-
157.0	25.0	-	-	-	2.9	-	22.2	-	-	-	-	-	-
157.0	30.0	-	100.0	-	8.2	-	40.6	-	-	-	-	-	-

TABLE 4. (cont.)

Diogenichthys laternatus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
157.0	35.0	-	-	-	5.4	-	-	-	-	-	-	-	-
157.0	40.0	-	-	-	0.0	-	30.8	-	-	-	-	-	-

Gonichthys tenuiculus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	80.0	-	-	-	0.0	0.0	0.0	0.0	-	-	-	3.3	-
107.0	55.0	-	-	-	3.2	0.0	0.0	0.0	-	-	-	-	-
107.0	65.0	-	-	-	-	3.0	0.0	0.0	-	-	-	-	-
110.0	33.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	3.0	-	-
110.0	45.0	-	-	-	0.0	0.0	0.0	-	3.2	-	-	-	-
110.0	65.0	-	-	-	-	0.0	2.5	-	4.3	-	-	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	-	-
113.0	80.0	-	-	-	0.0	0.0	0.0	0.0	-	-	2.7	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-
117.0	60.0	0.0	0.0	18.4	0.0	0.0	0.0	0.0	-	-	2.0	-	-
117.0	70.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	50.0	0.0	19.3	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	55.0	0.0	2.3	-	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	70.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	75.0	-	-	-	-	2.5	0.0	3.4	-	-	-	-	-
123.0	55.0	-	4.5	11.6	0.0	-	0.0	0.0	-	-	-	-	-
123.0	60.0	2.7	8.9	0.0	0.0	-	0.0	3.1	-	-	0.0	-	-
123.0	70.0	-	-	-	0.0	-	-	0.0	-	-	3.1	-	-
123.0	80.0	-	-	-	2.5	-	-	3.0	-	-	3.0	-	-
127.0	34.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	45.0	-	30.1	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	-	-
127.0	50.0	0.0	0.0	0.0	0.0	-	0.0	3.1	-	-	0.0	-	-
127.0	55.0	-	3.5	0.0	6.0	-	0.0	3.2	-	-	-	-	-
127.0	60.0	0.0	10.7	3.4	0.0	-	2.8	0.0	-	-	0.0	-	-
130.0	35.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-
130.0	40.0	0.0	15.7	2.7	0.0	0.0	0.0	0.0	5.5	0.0	5.3	-	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.3	-	-
130.0	55.0	-	-	-	6.6	-	0.0	0.0	-	-	-	-	-
130.0	60.0	5.7	0.0	9.1	0.0	8.2	0.0	0.0	-	-	0.0	-	-
130.0	80.0	-	-	-	2.9	-	-	0.0	-	-	0.0	-	-
133.0	35.0	0.0	-	3.2	0.0	-	0.0	0.0	-	-	0.0	-	-
133.0	40.0	0.0	4.2	8.6	11.9	2.7	0.0	0.0	-	-	0.0	-	-
133.0	45.0	-	-	-	2.8	-	0.0	0.0	-	-	-	-	-
133.0	50.0	-	9.5	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
133.0	60.0	-	-	-	4.4	-	-	0.0	-	-	0.0	-	-
133.0	70.0	-	-	-	0.0	-	-	3.2	-	-	0.0	-	-
137.0	30.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
137.0	35.0	0.0	0.0	5.8	-	-	0.0	0.0	-	-	0.0	-	-
137.0	40.0	-	15.4	17.5	0.0	-	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Gonichthys tenuiculus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	45.0	-	-	-	0.0	-	4.2	0.0	-	-	-	-	-
137.0	50.0	-	11.9	0.0	0.0	0.0	0.0	0.0	-	-	2.9	-	-
137.0	60.0	-	-	-	0.0	-	-	0.0	-	-	3.1	-	-
137.0	70.0	-	-	-	3.1	-	-	0.0	-	-	6.5	-	-
140.0	40.0	-	5.7	6.4	8.2	-	2.8	-	-	-	-	-	-
140.0	50.0	-	16.9	2.9	0.0	-	3.8	-	-	-	-	-	-
143.0	35.0	-	2.1	0.0	2.5	-	0.0	-	-	-	-	-	-
143.0	50.0	-	0.0	0.0	-	-	7.0	-	-	-	-	-	-
147.0	30.0	-	0.0	2.9	0.0	-	-	-	-	-	-	-	-
153.0	40.0	-	0.0	-	1.9	-	0.0	-	-	-	-	-	-
157.0	30.0	-	5.9	-	0.0	-	0.0	-	-	-	-	-	-

Hygophum spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	85.0	-	-	-	-	9.7	0.0	-	-	-	-	-	-
107.0	65.0	-	-	-	-	3.0	0.0	0.0	-	-	-	-	-
110.0	45.0	-	-	-	0.0	0.0	0.0	-	3.2	-	-	-	-
117.0	80.0	-	-	-	0.0	0.0	0.0	0.0	-	-	2.5	-	-
120.0	60.0	0.0	12.6	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
123.0	70.0	-	-	-	0.0	-	-	0.0	-	-	3.1	-	-
123.0	80.0	-	-	-	0.0	-	-	0.0	-	-	3.0	-	-
127.0	60.0	0.0	13.4	0.0	0.0	-	22.2	0.0	-	-	0.0	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	-	-
133.0	70.0	-	-	-	0.0	-	-	9.6	-	-	0.0	-	-
140.0	45.0	-	-	-	6.8	-	-	-	-	-	-	-	-
153.0	16.0	-	1.8	-	0.0	-	0.0	-	-	-	-	-	-
157.0	20.0	-	7.0	-	0.0	-	0.0	-	-	-	-	-	-
157.0	30.0	-	76.4	-	0.0	-	0.0	-	-	-	-	-	-

Hygophum atratum

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	6.7	0.0	-	-	-	0.0	-
103.0	65.0	-	-	-	-	0.0	3.7	0.0	-	-	-	-	-
110.0	33.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	3.0	-	-
110.0	45.0	-	-	-	0.0	0.0	3.0	-	0.0	-	-	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.1	0.0	-	-
113.0	80.0	-	-	-	0.0	0.0	0.0	0.0	-	-	8.2	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	-	-
117.0	60.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	45.0	0.0	2.8	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	50.0	0.0	8.3	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	55.0	0.0	7.0	-	0.0	0.0	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Hygophum atratum (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	60.0	0.0	0.0	11.4	0.0	0.0	0.0	0.0	-	-	0.0	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.2	0.0	-	-
123.0	55.0	-	4.5	0.0	0.0	-	2.7	15.4	-	-	-	-	-
123.0	60.0	0.0	17.8	0.0	0.0	-	0.0	6.2	-	-	0.0	-	-
123.0	70.0	-	-	-	6.2	-	-	0.0	-	-	0.0	-	-
123.0	80.0	-	-	-	7.4	-	-	0.0	-	-	0.0	-	-
127.0	40.0	0.0	0.0	7.5	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-
127.0	45.0	-	0.0	0.0	0.0	0.0	0.0	3.2	2.8	0.0	0.0	-	-
127.0	50.0	0.0	0.0	12.6	0.0	-	2.9	12.5	-	-	0.0	-	-
127.0	55.0	-	0.0	0.0	8.9	-	0.0	3.2	-	-	-	-	-
127.0	60.0	0.0	0.0	0.0	0.0	-	0.0	5.8	-	-	0.0	-	-
130.0	40.0	0.0	5.2	2.7	0.0	0.0	0.0	0.0	5.5	0.0	0.0	-	-
130.0	50.0	5.7	6.0	3.4	0.0	5.5	0.0	0.0	-	-	0.0	-	-
130.0	55.0	-	-	-	6.6	-	0.0	0.0	-	-	-	-	-
130.0	60.0	28.7	2.6	0.0	0.0	2.7	0.0	0.0	-	-	6.8	-	-
130.0	80.0	-	-	-	0.0	-	-	7.3	-	-	0.0	-	-
133.0	30.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	35.0	0.0	-	0.0	3.0	-	0.0	0.0	-	-	0.0	-	-
133.0	40.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
133.0	45.0	-	-	-	2.8	-	0.0	0.0	-	-	-	-	-
133.0	50.0	-	3.2	3.2	0.0	0.0	0.0	0.0	-	-	6.2	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-
137.0	35.0	0.0	0.0	17.5	-	-	0.0	0.0	-	-	3.7	-	-
137.0	40.0	-	8.8	20.4	0.0	-	0.0	0.0	-	-	0.0	-	-
137.0	45.0	-	-	-	0.0	-	2.1	0.0	-	-	-	-	-
137.0	50.0	-	0.0	3.2	5.9	2.4	0.0	0.0	-	-	0.0	-	-
137.0	60.0	-	-	-	0.0	-	-	3.1	-	-	3.1	-	-
137.0	70.0	-	-	-	9.4	-	-	19.0	-	-	26.0	-	-
140.0	40.0	-	0.0	0.0	0.0	-	8.3	-	-	-	-	-	-
140.0	50.0	-	13.5	0.0	0.0	-	26.8	-	-	-	-	-	-
140.0	55.0	-	-	-	2.6	-	-	-	-	-	-	-	-
143.0	50.0	-	3.0	0.0	-	-	10.6	-	-	-	-	-	-
147.0	25.0	-	3.6	0.0	0.0	-	-	-	-	-	-	-	-
147.0	70.0	-	-	-	5.6	-	-	-	-	-	-	-	-
150.0	40.0	-	0.0	0.0	25.9	-	-	-	-	-	-	-	-
153.0	16.0	-	0.0	-	2.5	-	6.0	-	-	-	-	-	-
153.0	20.0	-	0.0	-	6.6	-	0.0	-	-	-	-	-	-
153.0	30.0	-	0.0	-	9.3	-	0.0	-	-	-	-	-	-
153.0	40.0	-	0.0	-	5.8	-	0.0	-	-	-	-	-	-
153.0	60.0	-	-	-	2.2	-	-	-	-	-	-	-	-
157.0	15.0	-	-	-	5.6	-	0.0	-	-	-	-	-	-
157.0	20.0	-	0.0	-	11.0	-	0.0	-	-	-	-	-	-
157.0	25.0	-	-	-	0.0	-	5.5	-	-	-	-	-	-
157.0	30.0	-	0.0	-	2.7	-	5.8	-	-	-	-	-	-
157.0	35.0	-	-	-	5.4	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Hygophum atratum (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
157.0	40.0	–	–	–	0.0	–	15.4	–	–	–	–	–	–

Hygophum reinhardtii

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	3.3	–
100.0	70.0	–	0.0	–	3.5	0.0	0.0	–	–	–	–	0.0	–
100.0	75.0	–	–	–	–	0.0	0.0	3.2	–	–	–	–	–
100.0	80.0	–	0.0	–	0.0	8.7	0.0	–	–	–	–	0.0	–
100.0	90.0	–	0.0	–	0.0	0.0	0.0	–	–	–	–	3.1	–
103.0	70.0	–	0.0	0.0	6.4	0.0	0.0	0.0	–	–	–	0.0	–
103.0	80.0	–	–	–	0.0	3.4	0.0	–	–	–	–	0.0	–
107.0	60.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	–	–	0.0	–	0.0
107.0	70.0	–	0.0	0.0	0.0	4.7	6.4	0.0	–	–	0.0	–	–
107.0	90.0	–	–	–	0.0	2.9	0.0	0.0	–	–	–	–	–
110.0	80.0	–	0.0	–	6.7	0.0	0.0	–	0.0	–	0.0	–	–
113.0	50.0	2.8	0.0	0.0	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	–	–
117.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.2	–	–
120.0	80.0	–	0.0	3.3	3.0	0.0	0.0	0.0	–	–	2.9	–	–
130.0	80.0	–	–	–	0.0	–	–	0.0	–	–	3.9	–	–
133.0	80.0	–	–	–	0.0	–	–	6.3	–	–	0.0	–	–

Loweina rara

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	90.0	–	0.0	–	0.0	0.0	0.0	–	–	–	–	6.2	–
113.0	80.0	–	–	–	0.0	0.0	0.0	3.6	–	–	0.0	–	–
120.0	50.0	0.0	2.8	–	0.0	0.0	0.0	0.0	–	–	0.0	–	–
123.0	42.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	60.0	0.0	2.7	0.0	0.0	–	0.0	0.0	–	–	0.0	–	–
130.0	40.0	5.8	0.0	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	2.7	0.0	0.0	–	–	0.0	–	–

Myctophum aurolaternatum

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
150.0	40.0	–	0.0	0.0	25.9	–	–	–	–	–	–	–	–
157.0	20.0	–	0.0	–	2.7	–	0.0	–	–	–	–	–	–
157.0	35.0	–	–	–	5.4	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Myctophum nitidulum

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	70.0	-	0.0	-	0.0	3.4	0.0	-	-	-	-	0.0	-
100.0	80.0	-	0.0	-	0.0	2.2	0.0	-	-	-	-	0.0	-
100.0	90.0	-	0.0	-	0.0	0.0	0.0	-	-	-	-	3.1	-
103.0	35.0	0.0	0.0	0.0	0.0	0.0	11.7	0.0	-	-	-	0.0	-
103.0	60.0	0.0	0.0	-	0.0	0.0	3.4	2.7	-	-	-	6.4	-
103.0	65.0	-	-	-	-	2.7	0.0	0.0	-	-	-	-	-
103.0	70.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	6.7	-
107.0	55.0	-	-	-	0.0	4.3	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	-	-	0.0	-	0.0
107.0	70.0	-	0.0	3.1	8.7	0.0	3.2	0.0	-	-	0.0	-	-
107.0	75.0	-	-	-	-	0.0	6.2	0.0	-	-	-	-	-
107.0	80.0	-	-	-	0.0	3.2	0.0	0.0	-	-	0.0	-	-
107.0	90.0	-	-	-	0.0	0.0	6.4	0.0	-	-	-	-	-
110.0	70.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	-	3.3	-	6.4
110.0	85.0	-	-	-	-	11.1	0.0	-	0.0	-	-	-	-
110.0	90.0	-	0.0	-	0.0	3.0	0.0	-	3.4	-	-	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-
117.0	70.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	80.0	-	-	-	0.0	0.0	3.5	0.0	-	-	0.0	-	-
120.0	80.0	-	4.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
127.0	45.0	-	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-

Protomyctophum crockeri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	70.0	-	-	-	-	9.0	0.0	0.0	-	-	-	-	-
60.0	80.0	-	-	-	-	8.4	0.0	-	-	-	-	-	-
63.0	70.0	-	-	-	-	3.6	0.0	0.0	-	-	-	-	-
63.0	80.0	-	-	-	-	3.9	0.0	0.0	-	-	-	-	-
67.0	70.0	-	-	-	-	4.1	0.0	4.0	-	-	-	-	-
70.0	60.0	-	-	-	-	0.0	6.3	7.1	-	-	-	0.0	-
70.0	70.0	-	-	-	-	4.4	0.0	0.0	-	-	-	12.3	-
70.0	80.0	-	-	-	-	0.0	0.0	-	-	-	-	12.4	-
73.0	55.0	-	-	-	-	0.0	0.0	13.7	-	-	-	3.2	-
73.0	60.0	-	-	-	-	13.7	0.0	0.0	-	-	-	0.0	-
73.0	70.0	-	-	-	-	0.0	3.1	0.0	-	-	-	-	-
73.0	80.0	-	-	-	-	7.8	3.1	-	-	-	-	-	-
77.0	80.0	-	-	-	-	3.7	0.0	11.0	-	-	-	-	-
77.0	90.0	-	-	-	-	-	3.1	0.0	-	-	-	-	-
80.0	55.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	3.1	0.0
80.0	60.0	-	0.0	12.1	0.0	0.0	0.0	12.9	-	-	2.7	5.9	0.0
80.0	70.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	6.6
80.0	80.0	-	0.0	23.2	0.0	13.0	12.7	0.0	-	-	-	-	0.0
80.0	90.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.9	-	6.4
83.0	55.0	-	-	-	-	0.0	0.0	0.0	-	-	-	11.5	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	60.0	-	0.0	11.8	0.0	0.0	0.0	0.0	-	-	7.0	2.5	-
83.0	65.0	-	-	-	-	-	3.2	0.0	-	-	-	-	-
83.0	70.0	-	-	11.5	0.0	0.0	6.0	2.9	-	-	14.1	-	-
83.0	80.0	-	-	-	0.0	0.0	0.0	0.0	-	-	2.6	-	-
83.0	90.0	-	-	-	2.3	0.0	0.0	-	-	-	0.0	-	3.0
87.0	36.0	-	-	0.0	0.0	5.9	-	0.0	-	-	0.0	0.0	-
87.0	50.0	-	0.0	11.7	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
87.0	55.0	-	0.0	-	-	0.0	0.0	0.0	-	-	7.2	2.6	-
87.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	6.7	0.0	-
87.0	70.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	-	-
87.0	80.0	-	-	-	0.0	3.1	6.3	-	-	-	6.4	-	-
87.0	90.0	-	-	-	0.0	3.5	3.0	0.0	-	-	8.2	-	0.0
90.0	28.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	5.5	0.0
90.0	45.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	3.2
90.0	60.0	-	2.9	0.0	0.0	27.4	0.0	0.0	-	-	0.0	10.1	3.3
90.0	65.0	-	-	-	-	9.4	0.0	2.6	-	-	-	-	-
90.0	70.0	-	0.0	0.0	5.8	6.6	3.1	0.0	-	-	3.2	-	3.1
90.0	75.0	-	-	-	-	9.8	0.0	0.0	-	-	-	-	-
90.0	80.0	-	0.0	0.0	0.0	0.0	6.5	0.0	-	-	0.0	-	5.6
90.0	90.0	-	0.0	6.3	0.0	3.0	0.0	0.0	-	-	0.0	-	0.0
93.0	30.0	-	0.0	0.0	0.0	2.0	0.0	0.0	-	-	0.0	0.0	-
93.0	50.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	1.5	-
93.0	55.0	-	-	-	4.8	5.8	3.3	0.0	-	-	-	0.0	-
93.0	60.0	-	13.4	0.0	0.0	6.2	0.0	2.3	-	-	-	0.0	-
93.0	65.0	-	-	-	-	5.1	7.3	0.0	-	-	-	-	-
93.0	70.0	-	0.0	0.0	0.0	2.7	4.0	3.8	-	-	-	3.1	-
93.0	75.0	-	-	-	-	0.0	0.0	7.2	-	-	-	-	-
93.0	80.0	-	-	-	-	2.7	0.0	0.0	-	-	-	6.3	-
93.0	85.0	-	-	-	-	10.4	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	-	0.0	0.0	0.0	0.0	-	-	-	6.9	-
97.0	40.0	-	0.0	0.0	0.0	0.0	3.0	0.0	-	-	-	0.0	-
97.0	45.0	-	-	-	0.0	2.6	0.0	0.0	-	-	-	7.4	-
97.0	50.0	-	0.0	5.7	-	2.9	0.0	0.0	-	-	-	0.0	-
97.0	55.0	-	-	-	-	0.0	19.7	5.7	-	-	-	0.0	-
97.0	60.0	-	0.0	-	0.0	3.9	0.0	0.0	-	-	-	0.0	-
97.0	65.0	-	-	-	-	0.0	7.1	0.0	-	-	-	-	-
97.0	70.0	-	0.0	-	5.7	4.7	3.2	0.0	-	-	-	2.1	-
97.0	80.0	-	-	-	0.0	3.5	0.0	0.0	-	-	-	0.0	-
97.0	90.0	-	-	-	0.0	0.0	0.0	2.5	-	-	-	3.1	-
100.0	33.0	-	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-	-
100.0	35.0	-	-	-	-	-	-	-	-	-	-	3.3	-
100.0	40.0	-	0.0	0.0	0.0	3.7	3.9	2.7	-	-	-	0.0	0.0
100.0	45.0	-	-	-	0.0	0.0	6.1	0.0	-	-	-	-	-
100.0	50.0	-	0.0	0.0	0.0	0.0	12.0	8.4	-	-	-	0.0	-
100.0	55.0	-	-	-	3.4	0.0	3.3	0.0	-	-	-	-	-
100.0	60.0	3.0	6.8	3.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	65.0	-	-	-	-	3.0	2.7	0.0	-	-	-	-	-
100.0	70.0	-	0.0	-	0.0	3.4	2.8	-	-	-	-	0.0	-
100.0	80.0	-	0.0	-	3.4	0.0	3.5	-	-	-	-	0.0	-
100.0	85.0	-	-	-	-	0.0	9.3	-	-	-	-	-	-
100.0	90.0	-	7.4	-	5.3	0.0	0.0	-	-	-	-	0.0	-
103.0	35.0	2.9	0.0	0.0	5.3	0.0	0.0	0.0	-	-	-	0.0	-
103.0	40.0	0.0	6.3	0.0	0.0	6.9	3.8	2.9	-	-	-	0.0	-
103.0	45.0	-	-	-	3.1	5.1	0.0	0.0	-	-	-	-	-
103.0	50.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0
103.0	55.0	-	-	-	2.8	0.0	0.0	5.1	-	-	-	-	-
103.0	60.0	9.5	0.0	-	3.4	0.0	0.0	8.0	-	-	-	3.2	-
103.0	65.0	-	-	-	-	5.3	7.4	0.0	-	-	-	-	-
103.0	70.0	-	0.0	15.5	6.4	6.4	3.3	0.0	-	-	-	0.0	-
103.0	75.0	-	-	-	-	5.9	0.0	0.0	-	-	-	-	-
103.0	80.0	-	-	-	3.0	3.4	6.6	-	-	-	-	0.0	-
103.0	85.0	-	-	-	-	4.8	0.0	-	-	-	-	-	-
103.0	90.0	-	-	-	0.0	0.0	6.0	-	-	-	-	-	-
107.0	40.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0	45.0	-	-	-	0.0	0.0	0.0	3.2	-	-	-	-	-
107.0	50.0	2.7	0.0	6.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	6.4	6.4	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	11.3	11.4	0.0	8.5	0.0	0.0	-	-	0.0	-	3.7
107.0	65.0	-	-	-	-	0.0	3.3	0.0	-	-	-	-	-
107.0	70.0	-	0.0	3.1	0.0	0.0	3.2	0.0	-	-	0.0	-	-
107.0	90.0	-	-	-	0.0	0.0	6.4	0.0	-	-	-	-	-
110.0	35.0	-	0.0	0.0	0.0	0.0	3.1	-	1.5	0.0	0.0	-	-
110.0	40.0	2.9	0.0	3.3	14.1	0.0	0.0	-	1.5	0.0	0.0	-	-
110.0	45.0	-	-	-	0.0	9.2	0.0	-	6.5	-	-	-	-
110.0	50.0	2.7	0.0	0.0	0.0	3.1	0.0	-	0.0	-	0.0	-	-
110.0	55.0	-	-	-	3.0	0.0	0.0	-	0.0	-	-	-	-
110.0	60.0	5.8	0.0	0.0	0.0	0.0	6.0	-	0.0	-	7.1	-	-
110.0	65.0	-	-	-	-	0.0	2.5	-	0.0	-	-	-	-
110.0	70.0	-	0.0	0.0	19.8	0.0	3.5	-	0.0	-	6.6	-	6.4
110.0	75.0	-	-	-	-	0.0	6.5	-	0.0	-	-	-	-
110.0	80.0	-	0.0	-	3.3	15.1	0.0	-	0.0	-	0.0	-	-
110.0	85.0	-	-	-	-	5.6	0.0	-	0.0	-	-	-	-
110.0	90.0	-	0.0	-	3.3	9.1	0.0	-	6.8	-	-	-	-
113.0	35.0	2.7	0.0	0.0	4.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	2.9	0.0	-	-
113.0	45.0	-	-	-	2.8	8.2	3.2	0.0	-	-	-	-	-
113.0	50.0	2.8	2.0	0.0	4.2	8.0	0.0	0.0	-	-	2.4	-	-
113.0	55.0	-	-	-	0.0	2.9	8.6	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	0.0	0.0	0.0	2.6	0.0	3.5	-	-	3.0	-	-
113.0	90.0	-	-	-	-	-	3.0	-	-	-	-	-	-
117.0	45.0	-	-	-	0.0	4.6	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Protomyctophum crockeri (cont.)

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	2.8	3.1	0.0	–	–	0.0	–	–
117.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–	2.0	–	–
117.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.2	–	–
117.0	80.0	–	–	–	2.4	0.0	0.0	0.0	–	–	0.0	–	–
118.0	39.0	–	–	0.0	2.2	0.0	0.0	0.0	–	–	0.0	–	–
120.0	40.0	0.0	2.3	0.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–
120.0	45.0	0.0	0.0	–	–	0.0	0.0	0.0	5.9	0.0	0.0	–	–
120.0	50.0	0.0	5.5	–	0.0	0.0	2.5	0.0	–	–	0.0	–	–
120.0	55.0	0.0	0.0	–	0.0	8.4	0.0	0.0	–	–	–	–	–
120.0	70.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	–	–	6.5	–	–
120.0	80.0	–	0.0	3.3	0.0	0.0	0.0	0.0	–	–	2.9	–	–
123.0	42.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	3.2	0.0	–	–
123.0	45.0	–	–	–	–	–	–	–	6.1	6.5	–	–	–
123.0	50.0	0.0	4.8	0.0	0.0	–	0.0	0.0	–	–	2.5	–	–
123.0	55.0	–	4.5	0.0	0.0	–	0.0	0.0	–	–	–	–	–
123.0	70.0	–	–	–	0.0	–	–	3.3	–	–	6.2	–	–
123.0	80.0	–	–	–	2.5	–	–	0.0	–	–	0.0	–	–
127.0	45.0	–	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	–	–
127.0	50.0	0.0	0.0	0.0	0.0	–	2.9	0.0	–	–	4.3	–	–
127.0	55.0	–	0.0	0.0	3.0	–	0.0	0.0	–	–	–	–	–
127.0	60.0	0.0	0.0	0.0	0.0	–	2.8	0.0	–	–	0.0	–	–
130.0	50.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	–	–	0.0	–	–
130.0	60.0	5.7	5.2	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	40.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–

Symbolophorus californiensis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	60.0	–	–	–	–	0.0	7.0	0.0	–	–	–	–	–
67.0	90.0	–	–	–	–	–	6.3	–	–	–	–	–	–
77.0	80.0	–	–	–	–	0.0	2.8	7.3	–	–	–	–	–
77.0	90.0	–	–	–	–	–	0.0	12.2	–	–	–	–	–
80.0	80.0	–	0.0	0.0	18.3	0.0	0.0	5.2	–	–	–	–	0.0
80.0	90.0	–	0.0	0.0	0.0	0.0	6.0	13.6	–	–	0.0	–	0.0
83.0	55.0	–	–	–	–	0.0	0.0	0.0	–	–	–	4.6	–
83.0	60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	7.0	0.0	–
83.0	70.0	–	–	0.0	0.0	0.0	18.0	0.0	–	–	0.0	–	–
83.0	75.0	–	–	–	–	–	0.0	3.5	–	–	–	–	–
83.0	80.0	–	–	–	0.0	0.0	0.0	3.9	–	–	0.0	–	–
83.0	85.0	–	–	–	–	–	8.8	2.8	–	–	–	–	–
83.0	90.0	–	–	–	0.0	3.3	0.0	–	–	–	0.0	–	0.0
87.0	70.0	–	0.0	0.0	0.0	0.0	25.9	0.0	–	–	0.0	–	–
87.0	85.0	–	–	–	–	0.0	0.0	14.0	–	–	–	–	–
87.0	90.0	–	–	–	0.0	0.0	3.0	0.0	–	–	2.7	–	0.0
90.0	65.0	–	–	–	–	9.4	0.0	0.0	–	–	–	–	–

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

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	5.5	-	-	0.0	-	0.0
90.0	80.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	1.3	-	0.0
90.0	90.0	-	0.0	0.0	0.0	0.0	10.1	0.0	-	-	0.0	-	3.3
93.0	50.0	-	0.0	0.0	0.0	0.0	0.0	2.8	-	-	-	0.0	-
93.0	55.0	-	-	-	0.0	0.0	0.0	3.0	-	-	-	0.0	-
93.0	65.0	-	-	-	-	0.0	3.7	11.2	-	-	-	-	-
93.0	70.0	-	0.0	0.0	0.0	0.0	4.0	3.8	-	-	-	3.1	-
93.0	75.0	-	-	-	-	2.7	0.0	3.6	-	-	-	-	-
97.0	50.0	-	0.0	5.7	-	2.9	0.0	0.0	-	-	-	0.0	-
97.0	60.0	-	0.0	-	0.0	23.5	0.0	2.4	-	-	-	0.0	-
97.0	65.0	-	-	-	-	2.9	3.5	0.0	-	-	-	-	-
97.0	70.0	-	0.0	-	2.8	19.0	16.1	3.0	-	-	-	0.0	-
97.0	75.0	-	-	-	-	30.1	3.1	0.0	-	-	-	-	-
97.0	80.0	-	-	-	0.0	0.0	0.0	11.1	-	-	-	0.0	-
97.0	90.0	-	-	-	0.0	1.9	3.0	0.0	-	-	-	3.1	-
100.0	50.0	-	0.0	0.0	0.0	0.0	0.0	5.6	-	-	-	0.0	-
100.0	60.0	0.0	0.0	6.0	0.0	3.0	3.1	0.0	-	-	-	3.2	-
100.0	65.0	-	-	-	-	6.0	5.4	5.2	-	-	-	-	-
100.0	70.0	-	0.0	-	26.4	75.2	11.2	-	-	-	-	0.0	-
100.0	75.0	-	-	-	-	6.8	9.1	0.0	-	-	-	-	-
100.0	80.0	-	0.0	-	30.7	15.2	0.0	-	-	-	-	0.0	-
100.0	85.0	-	-	-	-	13.7	3.1	-	-	-	-	-	-
100.0	90.0	-	0.0	-	0.0	0.0	30.9	-	-	-	-	0.0	-
103.0	30.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	-	-	-	0.0	-
103.0	35.0	0.0	0.0	0.0	2.7	9.8	26.4	0.0	-	-	-	0.0	-
103.0	40.0	0.0	0.0	0.0	0.0	10.3	87.9	0.0	-	-	-	0.0	-
103.0	45.0	-	-	-	0.0	0.0	23.2	0.0	-	-	-	-	-
103.0	50.0	0.0	0.0	0.0	0.0	7.8	0.0	12.4	-	-	-	0.0	0.0
103.0	55.0	-	-	-	14.0	0.0	0.0	5.1	-	-	-	-	-
103.0	60.0	0.0	3.0	-	10.2	3.5	10.1	0.0	-	-	-	0.0	-
103.0	65.0	-	-	-	-	29.2	3.7	0.0	-	-	-	-	-
103.0	70.0	-	0.0	0.0	86.4	0.0	0.0	0.0	-	-	-	0.0	-
103.0	75.0	-	-	-	-	11.7	6.8	0.0	-	-	-	-	-
103.0	80.0	-	-	-	9.0	106.3	0.0	-	-	-	-	3.0	-
103.0	85.0	-	-	-	-	14.5	0.0	-	-	-	-	-	-
103.0	90.0	-	-	-	3.1	5.4	0.0	-	-	-	-	-	-
107.0	35.0	0.0	-	0.0	0.0	2.1	17.0	0.0	-	-	2.6	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	34.2	2.3	-	-	0.0	-	-
107.0	45.0	-	-	-	14.2	0.0	3.3	0.0	-	-	-	-	-
107.0	50.0	0.0	0.0	3.0	0.0	7.5	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	9.5	30.0	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	3.8	7.0	50.9	10.2	0.0	-	-	0.0	-	0.0
107.0	65.0	-	-	-	-	0.0	9.8	0.0	-	-	-	-	-
107.0	70.0	-	0.0	21.8	0.0	23.6	0.0	0.0	-	-	0.0	-	-
107.0	75.0	-	-	-	-	0.0	6.2	0.0	-	-	-	-	-
107.0	80.0	-	-	-	0.0	0.0	10.7	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Symbolophorus californiensis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	90.0	-	-	-	0.0	0.0	6.4	13.6	-	-	-	-	-
110.0	33.0	-	0.0	0.0	0.0	0.0	3.2	-	0.0	0.0	0.0	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	2.8	-	-
110.0	45.0	-	-	-	0.0	3.1	15.1	-	0.0	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	9.2	8.9	-	0.0	-	0.0	-	-
110.0	60.0	0.0	0.0	0.0	7.7	0.0	0.0	-	0.0	-	0.0	-	-
110.0	70.0	-	0.0	9.3	9.9	0.0	0.0	-	0.0	-	0.0	-	0.0
110.0	80.0	-	0.0	-	0.0	3.0	0.0	-	0.0	-	0.0	-	-
110.0	85.0	-	-	-	-	19.5	4.3	-	0.0	-	-	-	-
110.0	90.0	-	0.0	-	0.0	15.2	0.0	-	0.0	-	-	-	-
113.0	40.0	0.0	0.0	0.0	0.0	6.1	6.1	0.0	0.0	0.0	0.0	-	-
113.0	45.0	-	-	-	0.0	5.5	0.0	0.0	-	-	-	-	-
113.0	50.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	70.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-	0.0	-	-
113.0	80.0	-	-	-	2.9	0.0	0.0	0.0	-	-	0.0	-	-
115.0	40.0	-	-	-	-	-	-	-	0.0	3.2	-	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-
117.0	75.0	-	-	-	-	2.7	0.0	0.0	-	-	-	-	-
120.0	60.0	0.0	0.0	0.0	0.0	11.6	0.0	0.0	-	-	0.0	-	-
120.0	65.0	-	-	-	-	12.1	0.0	0.0	-	-	-	-	-
120.0	75.0	-	-	-	-	0.0	0.0	10.2	-	-	-	-	-

Tarletonbeania crenularis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	55.0	-	-	-	-	4.8	0.0	0.0	-	-	-	-	-
60.0	70.0	-	-	-	-	9.0	45.4	0.0	-	-	-	-	-
60.0	80.0	-	-	-	-	16.7	52.4	-	-	-	-	-	-
60.0	90.0	-	-	-	-	0.0	16.1	-	-	-	-	-	-
63.0	55.0	-	-	-	-	0.0	0.0	10.1	-	-	-	-	-
63.0	60.0	-	-	-	-	6.6	38.9	28.6	-	-	-	-	-
63.0	70.0	-	-	-	-	3.6	26.8	3.8	-	-	-	-	-
63.0	90.0	-	-	-	-	-	18.0	-	-	-	-	-	-
67.0	55.0	-	-	-	-	6.9	12.8	0.0	-	-	-	-	-
67.0	60.0	-	-	-	-	14.1	0.0	10.0	-	-	-	-	-
67.0	70.0	-	-	-	-	8.2	0.0	0.0	-	-	-	-	-
67.0	80.0	-	-	-	-	4.0	0.0	0.0	-	-	-	-	-
70.0	52.0	-	-	-	-	35.2	0.0	6.2	-	-	-	-	-
70.0	60.0	-	-	-	-	0.0	12.5	0.0	-	-	-	0.0	-
70.0	70.0	-	-	-	-	26.7	0.0	4.2	-	-	-	0.0	-
70.0	80.0	-	-	-	-	6.9	12.8	-	-	-	-	0.0	-
73.0	50.0	-	-	-	-	0.0	7.1	0.0	-	-	-	-	-
73.0	55.0	-	-	-	-	0.0	61.8	0.0	-	-	-	0.0	-
73.0	60.0	-	-	-	-	41.0	12.1	0.0	-	-	-	0.0	-
73.0	70.0	-	-	-	-	33.0	15.5	0.0	-	-	-	-	-

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	80.0	-	-	-	-	0.0	30.8	-	-	-	-	-	-
77.0	50.0	-	-	-	-	19.8	18.4	0.0	-	-	-	-	-
77.0	55.0	-	-	-	-	7.5	3.0	0.0	-	-	-	-	-
77.0	60.0	-	-	-	-	0.0	6.4	0.0	-	-	-	-	-
77.0	70.0	-	-	-	-	59.4	0.0	0.0	-	-	-	-	-
80.0	55.0	-	0.0	5.9	52.1	0.0	0.0	11.3	-	-	0.0	0.0	0.0
80.0	60.0	-	0.0	0.0	9.7	23.5	5.5	0.0	-	-	0.0	0.0	0.0
80.0	70.0	-	21.8	16.6	0.0	28.6	13.2	0.0	-	-	0.0	0.0	0.0
80.0	80.0	-	0.0	17.4	0.0	0.0	0.0	0.0	-	-	-	-	0.0
80.0	90.0	-	12.2	0.0	28.9	0.0	0.0	0.0	-	-	0.0	-	0.0
82.0	47.0	-	0.0	0.0	2.7	9.3	0.0	0.0	-	-	0.0	0.0	-
83.0	43.0	-	0.0	8.5	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
83.0	48.0	-	-	7.6	-	-	-	-	-	-	-	-	-
83.0	52.0	-	0.0	8.1	-	-	-	-	-	-	-	-	-
83.0	55.0	-	-	-	-	20.4	0.0	0.0	-	-	-	0.0	-
83.0	60.0	-	14.0	5.9	14.9	0.0	0.0	10.7	-	-	0.0	0.0	-
83.0	80.0	-	-	-	0.0	5.7	0.0	0.0	-	-	0.0	-	-
86.0	46.0	-	0.0	-	9.8	-	-	-	-	-	-	-	-
87.0	40.0	-	0.0	11.0	0.0	0.0	0.0	-	-	-	0.0	0.0	-
87.0	50.0	-	0.0	0.0	27.5	0.0	0.0	0.0	-	-	0.0	3.2	-
87.0	60.0	-	0.0	0.0	11.9	0.0	0.0	0.0	-	-	3.3	0.0	-
87.0	65.0	-	-	-	-	0.0	0.0	3.4	-	-	-	-	-
87.0	70.0	-	0.0	47.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
87.0	80.0	-	-	-	0.0	3.1	0.0	-	-	-	0.0	-	-
87.0	85.0	-	-	-	-	8.3	0.0	0.0	-	-	-	-	-
87.0	90.0	-	-	-	0.0	3.5	0.0	0.0	-	-	0.0	-	0.0
90.0	28.0	-	0.0	0.0	0.0	0.0	7.9	0.0	-	-	0.0	0.0	0.0
90.0	37.0	-	0.0	12.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	45.0	-	0.0	0.0	0.0	0.0	0.0	4.7	-	-	0.0	0.0	0.0
90.0	50.0	-	-	-	-	5.5	3.6	0.0	-	-	0.0	0.0	0.0
90.0	55.0	-	0.0	0.0	40.7	0.0	0.0	0.0	-	-	-	0.0	0.0
90.0	60.0	-	0.0	11.4	0.0	0.0	6.3	2.3	-	-	0.0	0.0	0.0
90.0	65.0	-	-	-	-	0.0	6.2	0.0	-	-	-	-	-
90.0	70.0	-	0.0	11.2	0.0	6.6	12.6	0.0	-	-	0.0	-	0.0
90.0	75.0	-	-	-	-	3.3	0.0	0.0	-	-	-	-	-
90.0	80.0	-	0.0	11.4	12.4	0.0	0.0	2.6	-	-	0.0	-	0.0
93.0	27.0	-	0.0	5.9	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
93.0	35.0	-	-	-	0.0	6.2	0.0	0.0	-	-	0.0	0.0	-
93.0	40.0	-	0.0	0.0	0.0	2.7	3.1	0.0	-	-	0.0	0.0	-
93.0	45.0	-	-	-	12.4	0.0	0.0	0.0	-	-	-	0.0	-
93.0	50.0	-	12.4	24.1	0.0	4.6	0.0	0.0	-	-	-	0.0	-
93.0	55.0	-	-	-	0.0	29.0	3.3	0.0	-	-	-	0.0	-
93.0	60.0	-	0.0	3.2	11.4	6.2	0.0	0.0	-	-	-	0.0	-
93.0	65.0	-	-	-	-	5.1	3.7	0.0	-	-	-	-	-
97.0	32.0	-	0.0	-	0.0	0.0	3.0	0.0	-	-	-	0.0	0.0
97.0	45.0	-	-	-	0.0	0.0	4.0	0.0	-	-	-	0.0	-

TABLE 4. (cont.)

Tarletonbeania crenularis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	50.0	–	0.0	0.0	–	0.0	3.8	0.0	–	–	–	0.0	–
100.0	29.0	–	0.0	0.0	5.2	0.0	0.0	0.0	–	–	–	0.0	–
100.0	33.0	–	0.0	0.0	5.2	0.0	0.0	–	–	–	–	–	–
100.0	50.0	–	0.0	0.0	0.0	0.0	0.0	2.8	–	–	–	0.0	–
100.0	60.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–	–	0.0	–
103.0	45.0	–	–	–	0.0	2.6	0.0	0.0	–	–	–	–	–
110.0	45.0	–	–	–	0.0	3.1	0.0	–	0.0	–	–	–	–

Synodus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	30.0	–	–	–	–	–	–	–	–	–	–	6.4	–
103.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	7.9	–
110.0	33.0	–	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	112.8	–	–
110.0	35.0	–	0.0	0.0	0.0	0.0	0.0	–	0.0	3.5	7.4	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.4	33.5	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	9.7	–	–
115.0	27.0	–	–	–	–	–	–	–	0.0	13.3	–	–	–
115.0	30.0	–	–	–	–	–	–	–	0.0	24.7	–	–	–
117.0	26.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	2.9	15.9	397.3	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.3	382.8	–	–
117.0	35.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102.0	12.0	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.8	2.9	–	–
118.5	25.0	–	–	–	–	–	–	–	0.0	17.8	–	–	–
118.5	30.0	–	–	–	–	–	–	–	0.0	67.5	–	–	–
119.0	33.0	–	–	0.0	0.0	0.0	0.0	0.0	0.0	140.1	23.4	–	–
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	22.2	22.7	–	–
120.0	30.0	34.4	0.0	0.0	0.0	0.0	0.0	0.0	20.0	27.8	42.2	–	–
120.0	35.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	92.7	77.2	–	–
120.0	40.0	0.0	2.3	0.0	–	0.0	0.0	0.0	30.4	156.4	0.0	–	–
120.0	45.0	0.0	0.0	–	–	0.0	0.0	0.0	0.0	16.9	0.0	–	–
123.0	37.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	34.0	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	–	–
127.0	40.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	30.0	14.3	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	–	–
130.0	35.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	–	–
130.0	40.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	25.0	34.2	0.0	0.0	0.0	0.0	0.0	0.0	6.5	3.0	6.0	–	–
133.0	30.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	–
137.0	23.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	9.7	25.4	–	–
137.0	30.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	–	–
140.0	30.0	–	0.0	18.9	0.0	–	0.0	–	–	–	–	–	–
140.0	40.0	–	2.8	0.0	0.0	–	0.0	–	–	–	–	–	–
143.0	26.0	–	0.0	5.9	0.0	–	–	–	–	–	–	–	–

TABLE 4. (cont.)

Synodus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
147.0	20.0	–	3.1	0.0	0.0	–	–	–	–	–	–	–	–
147.0	25.0	–	7.3	0.0	0.0	–	–	–	–	–	–	–	–
150.0	30.0	–	–	5.0	0.0	–	–	–	–	–	–	–	–
157.0	25.0	–	–	–	0.0	–	5.5	–	–	–	–	–	–

Bregmaceros spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	25.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
137.0	35.0	2.7	0.0	0.0	–	–	0.0	0.0	–	–	0.0	–	–
148.0	25.0	–	–	–	–	–	7.3	–	–	–	–	–	–
148.0	30.0	–	–	–	–	–	20.8	–	–	–	–	–	–
148.0	40.0	–	–	–	–	–	6.1	–	–	–	–	–	–
148.0	50.0	–	–	–	–	–	3.3	–	–	–	–	–	–
153.0	16.0	–	0.0	–	0.0	–	113.2	–	–	–	–	–	–
153.0	20.0	–	0.0	–	0.0	–	3.0	–	–	–	–	–	–
157.0	20.0	–	21.1	–	2.7	–	177.9	–	–	–	–	–	–
157.0	25.0	–	–	–	0.0	–	304.7	–	–	–	–	–	–
157.0	30.0	–	11.8	–	0.0	–	0.0	–	–	–	–	–	–

Merluccius productus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	60.0	–	–	–	–	3.5	0.0	0.0	–	–	–	–	–
67.0	90.0	–	–	–	–	–	3.2	–	–	–	–	–	–
70.0	52.0	–	–	–	–	7.0	0.0	0.0	–	–	–	–	–
77.0	55.0	–	–	–	–	0.0	3.0	0.0	–	–	–	–	–
80.0	51.0	–	0.0	6.1	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
80.0	55.0	–	0.0	212.4	14.9	0.0	0.0	0.0	–	–	0.0	0.0	0.0
80.0	60.0	–	0.0	132.9	0.0	0.0	5.5	0.0	–	–	0.0	0.0	0.0
80.0	70.0	–	0.0	0.0	25.8	0.0	0.0	0.0	–	–	0.0	0.0	0.0
80.0	80.0	–	0.0	168.2	9.2	0.0	0.0	0.0	–	–	–	–	0.0
80.0	90.0	–	0.0	59.2	5.8	3.7	0.0	0.0	–	–	0.0	–	0.0
82.0	47.0	–	0.0	11.0	5.4	0.0	0.0	0.0	–	–	0.0	0.0	–
83.0	40.0	–	0.0	0.0	15.8	0.0	0.0	0.0	–	–	0.0	0.0	–
83.0	43.0	–	0.0	2.8	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
83.0	48.0	–	–	20.2	–	–	–	–	–	–	–	–	–
83.0	51.0	–	0.0	–	4.8	0.0	0.0	0.0	–	–	0.0	0.0	–
83.0	52.0	–	0.0	129.6	–	–	–	–	–	–	–	–	–
83.0	55.0	–	–	–	–	6.8	3.4	0.0	–	–	–	0.0	–
83.0	60.0	–	0.0	705.6	52.1	5.8	0.0	0.0	–	–	0.0	0.0	–
83.0	70.0	–	–	57.4	29.6	0.0	0.0	0.0	–	–	0.0	–	–
83.0	80.0	–	–	–	48.0	5.7	0.0	0.0	–	–	0.0	–	–
83.0	90.0	–	–	–	9.4	3.3	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.
86.0	46.0	-	0.0	-	14.8	-	-	-	-	-	-	-	-
87.0	35.0	-	16.0	-	-	-	0.0	-	-	-	-	-	-
87.0	36.0	-	-	6.0	8.3	0.0	-	0.0	-	-	0.0	0.0	-
87.0	40.0	-	97.9	11.0	48.6	0.0	0.0	-	-	-	0.0	0.0	-
87.0	45.0	-	-	43.7	-	0.0	0.0	0.0	-	-	0.0	0.0	-
87.0	50.0	-	0.0	23.4	192.6	0.0	0.0	0.0	-	-	0.0	0.0	-
87.0	60.0	-	0.0	0.0	11.9	0.0	0.0	0.0	-	-	0.0	3.8	-
87.0	70.0	-	0.0	341.0	284.0	3.3	0.0	0.0	-	-	0.0	-	-
87.0	75.0	-	-	-	-	6.7	0.0	0.0	-	-	-	-	-
87.0	80.0	-	-	-	12.8	12.4	0.0	-	-	-	0.0	-	-
87.0	85.0	-	-	-	-	11.1	0.0	0.0	-	-	-	-	-
87.0	90.0	-	-	-	100.8	3.5	0.0	0.0	-	-	0.0	-	0.0
90.0	28.0	-	5.5	15.8	28.4	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	30.0	-	0.0	59.9	7.8	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	37.0	-	0.0	72.2	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	45.0	-	0.0	11.7	52.6	0.0	7.2	0.0	-	-	0.0	0.0	0.0
90.0	50.0	-	-	-	-	2.8	0.0	0.0	-	-	0.0	0.0	0.0
90.0	55.0	-	35.5	49.1	217.0	0.0	0.0	0.0	-	-	-	0.0	0.0
90.0	60.0	-	17.5	490.2	87.9	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	70.0	-	0.0	24718.4	336.4	3.3	0.0	0.0	-	-	0.0	-	0.0
90.0	80.0	-	0.0	160.2	12.4	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	90.0	-	0.0	976.4	99.3	6.0	0.0	0.0	-	-	0.0	-	0.0
93.0	27.0	-	0.0	14.8	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
93.0	30.0	-	42.7	23.8	150.0	2.0	0.0	0.0	-	-	0.0	0.0	-
93.0	35.0	-	-	-	62.4	2.1	0.0	0.0	-	-	0.0	0.0	-
93.0	40.0	-	110.8	45.2	60.0	10.8	0.0	0.0	-	-	0.0	0.0	-
93.0	45.0	-	-	-	61.8	2.6	0.0	0.0	-	-	-	0.0	-
93.0	50.0	-	49.4	18.1	358.1	9.1	0.0	0.0	-	-	-	0.0	-
93.0	55.0	-	-	-	196.8	5.8	0.0	0.0	-	-	-	0.0	-
93.0	60.0	-	0.0	90.7	79.8	0.0	0.0	0.0	-	-	-	0.0	-
93.0	65.0	-	-	-	-	10.2	0.0	0.0	-	-	-	-	-
93.0	70.0	-	0.0	36.0	0.0	5.4	0.0	0.0	-	-	-	0.0	-
93.0	85.0	-	-	-	-	3.5	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	-	25.4	3.0	0.0	0.0	-	-	-	0.0	-
97.0	30.0	-	10.7	5.1	3.1	0.0	0.0	0.0	-	-	-	0.0	-
97.0	32.0	-	0.0	-	28.3	0.0	0.0	0.0	-	-	-	0.0	0.0
97.0	40.0	-	80.3	9.3	0.0	0.0	0.0	0.0	-	-	-	0.0	-
97.0	45.0	-	-	-	12.3	0.0	0.0	0.0	-	-	-	0.0	-
97.0	50.0	-	1520.0	393.3	-	2.9	0.0	0.0	-	-	-	0.0	-
97.0	60.0	-	1529.3	-	76.8	0.0	0.0	0.0	-	-	-	0.0	-
97.0	70.0	-	75.9	-	2.8	0.0	0.0	0.0	-	-	-	0.0	-
97.0	80.0	-	-	-	0.0	7.0	0.0	0.0	-	-	-	0.0	-
97.0	90.0	-	-	-	61.3	0.0	0.0	0.0	-	-	-	0.0	-
100.0	29.0	-	327.8	10.5	52.4	4.5	0.0	0.0	-	-	-	0.0	-
100.0	33.0	-	907.2	13.7	52.2	0.0	0.0	-	-	-	-	-	-
100.0	40.0	-	940.8	21.4	73.5	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.
100.0	45.0	-	-	-	25.2	0.0	12.2	0.0	-	-	-	-	-
100.0	50.0	-	0.0	0.0	0.0	4.8	0.0	0.0	-	-	-	0.0	-
100.0	55.0	-	-	-	17.2	0.0	0.0	0.0	-	-	-	-	-
100.0	60.0	0.0	23.9	3.0	38.7	0.0	0.0	0.0	-	-	-	0.0	-
100.0	65.0	-	-	-	-	3.0	0.0	0.0	-	-	-	-	-
100.0	70.0	-	0.0	-	5.3	0.0	0.0	-	-	-	-	0.0	-
100.0	90.0	-	0.0	-	16.0	0.0	0.0	-	-	-	-	0.0	-
103.0	30.0	0.0	884.0	87.9	75.8	0.0	2.8	0.0	-	-	-	0.0	-
103.0	35.0	0.0	12096.2	72.5	0.0	9.8	5.9	0.0	-	-	-	0.0	-
103.0	38.0	0.0	157.4	-	-	-	-	-	-	-	-	-	-
103.0	40.0	0.0	232.4	7.9	0.0	17.2	11.5	0.0	-	-	-	0.0	-
103.0	45.0	-	-	-	0.0	5.1	7.7	0.0	-	-	-	-	-
103.0	50.0	0.0	947.8	9.3	2.7	0.0	0.0	0.0	-	-	-	0.0	0.0
103.0	60.0	0.0	0.0	-	0.0	3.5	3.4	0.0	-	-	-	0.0	-
103.0	65.0	-	-	-	-	8.0	3.7	0.0	-	-	-	-	-
103.0	75.0	-	-	-	-	0.0	3.4	0.0	-	-	-	-	-
107.0	32.0	0.0	-	122.8	38.3	0.0	-	0.0	-	-	-	-	-
107.0	35.0	0.0	-	0.0	32.5	8.4	0.0	0.0	-	-	0.0	-	-
107.0	40.0	0.0	288.9	15.3	109.9	0.0	0.0	0.0	-	-	0.0	-	-
107.0	45.0	-	-	-	79.5	3.0	0.0	0.0	-	-	-	-	-
107.0	50.0	0.0	293.8	3.0	0.0	2.5	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	3.2	10.7	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	16.9	0.0	0.0	0.0	6.8	0.0	-	-	0.0	-	0.0
110.0	33.0	-	3633.1	13.5	21.4	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	35.0	-	1545.0	259.7	12.6	5.9	0.0	-	0.0	0.0	0.0	-	-
110.0	40.0	0.0	161.8	6.6	56.5	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	45.0	-	-	-	26.9	0.0	0.0	-	0.0	-	-	-	-
110.0	50.0	0.0	2.7	15.0	8.6	3.1	0.0	-	0.0	-	0.0	-	-
110.0	55.0	-	-	-	3.0	0.0	0.0	-	0.0	-	-	-	-
110.0	60.0	0.0	0.0	8.3	15.5	0.0	0.0	-	0.0	-	0.0	-	-
110.0	70.0	-	0.0	0.0	240.9	0.0	0.0	-	0.0	-	0.0	-	0.0
110.0	90.0	-	11.6	-	3.3	0.0	0.0	-	0.0	-	-	-	-
113.0	30.0	39.8	97.3	23.3	8.6	9.3	0.0	0.0	0.0	0.0	0.0	-	-
113.0	35.0	16.3	370.0	570.6	4.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	40.0	0.0	20.2	602.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	50.0	0.0	0.0	29.8	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	60.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	26.0	0.0	396.5	3.3	0.0	0.0	6.0	0.0	0.0	0.0	0.0	-	-
117.0	30.0	147.8	2460.8	425.0	19.2	0.0	0.0	3.6	0.0	0.0	0.0	-	-
117.0	35.0	619.4	968.7	607.2	0.0	0.0	0.0	0.0	3.2	0.0	0.0	-	-
117.0	40.0	0.0	53.1	32.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	50.0	2.6	11.2	237.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	60.0	0.0	0.0	15.3	0.0	0.0	0.0	0.0	-	-	0.0	-	-
118.0	39.0	-	-	114.7	0.0	3.0	0.0	0.0	-	-	0.0	-	-
119.0	33.0	-	-	375.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	25.0	9.1	160.9	29.8	2.5	0.0	2.5	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.
120.0	30.0	93.5	363.3	108.4	2.1	0.0	0.0	6.5	0.0	0.0	0.0	-	-
120.0	35.0	0.0	4.9	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-
120.0	45.0	36.1	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	37.0	7.4	236.3	142.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	42.0	2.8	2.7	125.6	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-	-
127.0	34.0	0.0	21.0	186.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	40.0	10.9	84.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	45.0	-	60.2	21.9	9.1	3.6	0.0	0.0	0.0	0.0	0.0	-	-
127.0	50.0	0.0	5.3	6.3	0.0	-	0.0	0.0	-	-	0.0	-	-
127.0	55.0	-	0.0	6.7	0.0	-	0.0	0.0	-	-	-	-	-
127.0	60.0	0.0	0.0	37.5	0.0	-	0.0	0.0	-	-	0.0	-	-
130.0	30.0	0.0	6.4	64.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	35.0	52.8	558.1	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	40.0	115.6	190.5	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	50.0	2.8	0.0	3.4	0.0	0.0	0.0	0.0	-	-	0.0	-	-
130.0	55.0	-	-	-	0.0	-	0.0	2.8	-	-	-	-	-
130.0	60.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
133.0	25.0	50.0	0.0	92.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	30.0	10.6	37.9	98.3	19.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	35.0	5.6	-	35.4	0.0	-	0.0	0.0	-	-	0.0	-	-
133.0	40.0	5.3	8.4	40.2	11.9	0.0	0.0	0.0	-	-	0.0	-	-
133.0	50.0	-	0.0	0.0	3.2	0.0	0.0	0.0	-	-	0.0	-	-
137.0	23.0	0.0	25.6	28.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-
137.0	30.0	0.0	10.0	8.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-
137.0	35.0	48.1	113.2	134.3	-	-	0.0	0.0	-	-	0.0	-	-
137.0	40.0	-	22.0	177.5	0.0	-	0.0	0.0	-	-	0.0	-	-
137.0	45.0	-	-	-	4.8	-	0.0	0.0	-	-	-	-	-
137.0	50.0	-	4.8	6.3	0.0	0.0	0.0	0.0	-	-	0.0	-	-
140.0	30.0	-	432.5	8.1	0.0	-	0.0	-	-	-	-	-	-
140.0	35.0	-	355.0	11.0	0.0	-	0.0	-	-	-	-	-	-
140.0	40.0	-	8.6	15.9	0.0	-	0.0	-	-	-	-	-	-
140.0	50.0	-	20.2	2.9	0.0	-	0.0	-	-	-	-	-	-
143.0	26.0	-	8.3	0.0	2.6	-	-	-	-	-	-	-	-
143.0	30.0	-	571.2	0.0	0.0	-	0.0	-	-	-	-	-	-
143.0	35.0	-	33.3	19.5	0.0	-	0.0	-	-	-	-	-	-
147.0	20.0	-	12.4	3.1	6.0	-	-	-	-	-	-	-	-
147.0	25.0	-	47.2	72.5	11.5	-	-	-	-	-	-	-	-
147.0	30.0	-	0.0	200.1	0.0	-	-	-	-	-	-	-	-
147.0	40.0	-	0.0	3.0	0.0	-	-	-	-	-	-	-	-
150.0	30.0	-	-	30.2	0.0	-	-	-	-	-	-	-	-
150.0	40.0	-	0.0	2.1	0.0	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Moridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
157.0	15.0	–	–	–	2.8	–	0.0	–	–	–	–	–	–
157.0	20.0	–	0.0	–	2.7	–	0.0	–	–	–	–	–	–
157.0	25.0	–	–	–	2.9	–	0.0	–	–	–	–	–	–
157.0	30.0	–	0.0	–	5.4	–	0.0	–	–	–	–	–	–
157.0	35.0	–	–	–	16.1	–	–	–	–	–	–	–	–

Physiculus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
147.0	40.0	–	0.0	0.0	2.5	–	–	–	–	–	–	–	–
148.0	30.0	–	–	–	–	–	13.9	–	–	–	–	–	–
153.0	20.0	–	0.0	–	9.9	–	3.0	–	–	–	–	–	–
153.0	25.0	–	–	–	4.3	–	0.0	–	–	–	–	–	–
153.0	40.0	–	0.0	–	3.8	–	0.0	–	–	–	–	–	–
153.0	60.0	–	–	–	4.3	–	–	–	–	–	–	–	–
157.0	20.0	–	0.0	–	0.0	–	5.6	–	–	–	–	–	–

Macrouridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	60.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
133.0	35.0	2.8	–	0.0	0.0	–	0.0	0.0	–	–	0.0	–	–

Ophidiiformes

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	50.0	–	–	–	–	0.0	6.6	–	–	–	–	–	–
70.0	52.0	–	–	–	–	0.0	14.8	0.0	–	–	–	–	–
70.0	55.0	–	–	–	–	0.0	0.0	13.7	–	–	–	0.0	–
73.0	50.0	–	–	–	–	0.0	0.0	4.8	–	–	–	–	–
77.0	50.0	–	–	–	–	0.0	18.4	0.0	–	–	–	–	–
77.0	55.0	–	–	–	–	0.0	6.0	0.0	–	–	–	–	–
77.0	60.0	–	–	–	–	0.0	6.4	3.6	–	–	–	–	–
77.0	70.0	–	–	–	–	0.0	0.0	3.8	–	–	–	–	–
77.0	80.0	–	–	–	–	0.0	0.0	3.7	–	–	–	–	–
80.0	55.0	–	0.0	0.0	0.0	5.4	0.0	0.0	–	–	0.0	0.0	0.0
83.0	60.0	–	0.0	0.0	0.0	0.0	3.4	0.0	–	–	0.0	0.0	–
87.0	55.0	–	0.0	–	–	0.0	5.7	0.0	–	–	0.0	0.0	–
87.0	70.0	–	0.0	0.0	0.0	0.0	13.0	0.0	–	–	0.0	–	–
90.0	28.0	–	0.0	0.0	9.5	2.7	0.0	0.0	–	–	0.0	0.0	0.0
90.0	37.0	–	0.0	0.0	0.0	3.2	0.0	0.0	–	–	0.0	0.0	0.0
90.0	50.0	–	–	–	–	2.8	0.0	0.0	–	–	0.0	0.0	0.0
90.0	55.0	–	0.0	0.0	0.0	23.1	0.0	0.0	–	–	–	0.0	0.0

TABLE 4. (cont.)

Ophidiiformes (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	65.0	–	–	–	–	0.0	3.1	0.0	–	–	–	–	–
93.0	55.0	–	–	–	4.8	0.0	0.0	0.0	–	–	–	0.0	–
97.0	60.0	–	0.0	–	0.0	3.9	0.0	0.0	–	–	–	0.0	–
100.0	33.0	–	0.0	0.0	0.0	8.5	0.0	–	–	–	–	–	–
100.0	60.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–	–	0.0	–
110.0	33.0	–	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	3.0	–	–
110.0	35.0	–	0.0	0.0	0.0	3.0	0.0	–	0.0	0.0	2.5	–	–
110.0	45.0	–	–	–	3.0	0.0	0.0	–	0.0	–	–	–	–
110.0	50.0	0.0	0.0	0.0	2.9	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	0.0	5.6	–	–
115.0	30.0	–	–	–	–	–	–	–	0.0	3.1	–	–	–
115.0	35.0	–	–	–	–	–	–	–	2.8	0.0	–	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	13.3	42.1	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	3.1	44.1	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	9.0	0.0	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.1	0.0	–	–
117.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.1	–	–
118.5	25.0	–	–	–	–	–	–	–	3.0	10.2	–	–	–
118.5	30.0	–	–	–	–	–	–	–	31.9	0.0	–	–	–
119.0	33.0	–	–	0.0	0.0	0.0	0.0	0.0	29.0	35.8	2.6	–	–
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.0	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	6.7	132.9	23.2	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	8.5	35.9	15.9	–	–
120.0	40.0	0.0	0.0	0.0	–	0.0	0.0	0.0	40.6	3.0	3.3	–	–
120.0	45.0	0.0	0.0	–	–	0.0	0.0	0.0	8.8	0.0	0.0	–	–
120.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.0	–	–
127.0	34.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	–	–
130.0	40.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	25.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	16.1	0.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	–	–
137.0	35.0	2.7	0.0	0.0	–	–	0.0	0.0	–	–	0.0	–	–
153.0	16.0	–	0.0	–	0.0	–	6.0	–	–	–	–	–	–

Brosmophycis marginata

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	55.0	–	–	–	–	4.8	0.0	0.0	–	–	–	–	–
63.0	52.0	–	–	–	–	8.7	0.0	0.0	–	–	–	–	–
63.0	70.0	–	–	–	–	0.0	0.0	3.8	–	–	–	–	–
73.0	55.0	–	–	–	–	0.0	15.4	0.0	–	–	–	0.0	–
77.0	50.0	–	–	–	–	0.0	0.0	3.3	–	–	–	–	–
77.0	55.0	–	–	–	–	0.0	6.0	0.0	–	–	–	–	–

TABLE 4. (cont.)

Brosmophycis marginata (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	43.0	–	0.0	0.0	6.6	0.0	0.0	0.0	–	–	0.0	0.0	–
83.0	51.0	–	0.0	–	0.0	0.0	0.0	2.4	–	–	0.0	0.0	–
83.0	55.0	–	–	–	–	0.0	3.4	0.0	–	–	–	0.0	–
87.0	50.0	–	0.0	0.0	0.0	3.7	0.0	0.0	–	–	0.0	0.0	–
87.0	70.0	–	0.0	0.0	0.0	0.0	13.0	0.0	–	–	0.0	–	–
87.0	75.0	–	–	–	–	0.0	3.0	0.0	–	–	–	–	–
90.0	50.0	–	–	–	–	2.8	0.0	0.0	–	–	0.0	0.0	0.0
97.0	70.0	–	0.0	–	2.8	0.0	0.0	0.0	–	–	–	0.0	–

Chilara taylori

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	1.1	–
97.0	32.0	–	0.0	–	0.0	0.0	0.0	0.0	–	–	–	0.0	3.2
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	–	–
118.5	35.0	–	–	–	–	–	–	–	9.4	–	–	–	–
130.0	30.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	40.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

Ophidion scrippsae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
82.0	47.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	4.7	–
87.0	36.0	–	–	0.0	0.0	0.0	–	0.0	–	–	0.0	2.3	–
90.0	70.0	–	0.0	0.0	0.0	0.0	3.1	0.0	–	–	0.0	–	0.0
100.0	33.0	–	0.0	0.0	0.0	8.5	0.0	–	–	–	–	–	–
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	–	3.5	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	–	–
115.0	27.0	–	–	–	–	–	–	–	0.0	8.0	–	–	–
115.0	30.0	–	–	–	–	–	–	–	3.4	3.1	–	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.1	24.1	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	12.4	0.0	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	12.0	0.0	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	33.0	0.0	–	–
118.5	25.0	–	–	–	–	–	–	–	15.1	12.7	–	–	–
118.5	30.0	–	–	–	–	–	–	–	0.0	18.8	–	–	–
118.5	35.0	–	–	–	–	–	–	–	6.2	–	–	–	–
119.0	33.0	–	–	0.0	0.0	0.0	0.0	0.0	31.9	23.8	2.6	–	–
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7	12.4	0.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3	6.0	0.0	–	–
120.0	40.0	0.0	0.0	0.0	–	0.0	0.0	0.0	22.3	8.9	0.0	–	–
120.0	45.0	2.8	2.8	–	–	0.0	0.0	0.0	2.9	2.8	0.0	–	–
123.0	42.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

TABLE 4. (cont.)

Ophidion scrippsae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.0	0.0	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	0.0	0.0	–	–
127.0	60.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	3.3	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.2	0.0	0.0	–	–
130.0	45.0	–	–	–	–	–	0.0	0.0	2.7	0.0	–	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	51.8	3.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	0.0	0.0	–	–
133.0	40.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	50.0	–	0.0	3.2	0.0	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	8.0	6.4	7.3	–	–
137.0	30.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
143.0	35.0	–	0.0	0.0	2.5	–	0.0	–	–	–	–	–	–
148.0	50.0	–	–	–	–	–	3.3	–	–	–	–	–	–

Antennariidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
153.0	20.0	–	0.0	–	0.0	–	3.0	–	–	–	–	–	–

Ceratioidei

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	90.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	3.4	–
97.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	3.3	–
97.0	90.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	9.3	–
100.0	90.0	–	0.0	–	0.0	0.0	0.0	–	–	–	–	3.1	–
103.0	60.0	0.0	0.0	–	0.0	0.0	0.0	0.0	–	–	–	3.2	–
107.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.3	–	–
107.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	3.2	–	–
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	–	3.5	–	–
110.0	70.0	–	0.0	0.0	0.0	0.0	0.0	–	0.0	–	3.3	–	0.0
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–
113.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.4	–	–
113.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.7	–	–
117.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.1	–	–
117.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	2.2	–	–
130.0	70.0	–	–	–	0.0	–	–	0.0	–	–	3.0	–	–
137.0	70.0	–	–	–	0.0	–	–	0.0	–	–	3.3	–	–

Gobiesocidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	33.0	–	0.0	0.0	0.0	0.0	0.0	–	1.4	0.0	0.0	–	–

TABLE 4. (cont.)

Exocoetidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	30.0	–	0.0	0.0	0.0	0.0	0.0	2.0	–	–	–	0.0	–
100.0	32.0	–	–	–	–	–	–	5.6	–	–	–	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	–	–
120.0	45.0	0.0	0.0	–	–	0.0	0.0	0.0	2.9	0.0	0.0	–	–
130.0	30.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

Hemiramphidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	–	–

Cololabis saira

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	80.0	–	0.0	0.0	0.0	3.2	0.0	0.0	–	–	–	–	0.0
87.0	85.0	–	–	–	–	2.8	0.0	0.0	–	–	–	–	–
90.0	70.0	–	0.0	0.0	0.0	3.3	0.0	5.5	–	–	0.0	–	0.0
90.0	80.0	–	0.0	0.0	0.0	2.6	0.0	0.0	–	–	0.0	–	0.0
93.0	65.0	–	–	–	–	0.0	3.7	0.0	–	–	–	–	–
100.0	80.0	–	0.0	–	0.0	0.0	0.0	–	–	–	–	3.0	–
103.0	40.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	–	–	–	0.0	–
103.0	50.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	–	–	–	0.0	0.0
107.0	60.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	–	–	0.0	–	0.0
113.0	55.0	–	–	–	0.0	2.9	0.0	0.0	–	–	–	–	–
117.0	45.0	–	–	–	0.0	0.0	1.3	0.0	–	–	–	–	–
117.0	60.0	0.0	2.4	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	1.9	0.0	0.0	0.0	–	–

Atherinidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	43.0	–	0.0	2.8	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–

Trachipteridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	80.0	–	–	–	–	8.4	0.0	–	–	–	–	–	–
67.0	60.0	–	–	–	–	3.5	0.0	0.0	–	–	–	–	–
67.0	80.0	–	–	–	–	4.0	0.0	0.0	–	–	–	–	–
70.0	60.0	–	–	–	–	0.0	0.0	0.0	–	–	–	3.1	–
70.0	80.0	–	–	–	–	6.9	0.0	–	–	–	–	0.0	–
73.0	55.0	–	–	–	–	0.0	0.0	0.0	–	–	–	3.2	–

TABLE 4. (cont.)

Trachipteridae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	80.0	-	-	-	-	7.8	3.1	-	-	-	-	-	-
77.0	55.0	-	-	-	-	0.0	3.0	0.0	-	-	-	-	-
83.0	70.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	2.3	-	-
87.0	75.0	-	-	-	-	0.0	0.0	3.8	-	-	-	-	-
87.0	80.0	-	-	-	0.0	3.1	0.0	-	-	-	0.0	-	-
90.0	45.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	2.9	0.0
90.0	70.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.2	-	0.0
90.0	80.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	2.8
90.0	85.0	-	-	-	-	0.0	0.0	3.2	-	-	-	-	-
93.0	50.0	-	0.0	0.0	0.0	0.0	0.0	2.8	-	-	-	0.0	-
93.0	65.0	-	-	-	-	0.0	0.0	2.2	-	-	-	-	-
93.0	90.0	-	-	-	0.0	0.0	0.0	2.5	-	-	-	0.0	-
97.0	70.0	-	2.9	-	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	2.7	-	-	-	0.0	-
100.0	90.0	-	3.7	-	0.0	0.0	0.0	-	-	-	-	0.0	-
103.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-	-	0.0	-
107.0	65.0	-	-	-	-	3.0	0.0	0.0	-	-	-	-	-
107.0	70.0	-	0.0	3.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	45.0	-	-	-	0.0	3.1	0.0	-	0.0	-	-	-	-
117.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.0	-	-
137.0	70.0	-	-	-	0.0	-	-	0.0	-	-	3.3	-	-

Melamphaes spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	60.0	-	-	-	-	3.5	0.0	0.0	-	-	-	-	-
70.0	60.0	-	-	-	-	8.6	0.0	0.0	-	-	-	0.0	-
70.0	70.0	-	-	-	-	4.4	0.0	0.0	-	-	-	2.5	-
70.0	80.0	-	-	-	-	3.5	0.0	-	-	-	-	0.0	-
73.0	60.0	-	-	-	-	4.6	0.0	0.0	-	-	-	0.0	-
77.0	70.0	-	-	-	-	0.0	11.5	0.0	-	-	-	-	-
77.0	80.0	-	-	-	-	0.0	0.0	3.7	-	-	-	-	-
77.0	90.0	-	-	-	-	-	3.1	0.0	-	-	-	-	-
80.0	55.0	-	0.0	5.9	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
80.0	60.0	-	0.0	12.1	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
80.0	70.0	-	0.0	0.0	25.8	14.3	0.0	0.0	-	-	0.0	0.0	0.0
80.0	80.0	-	0.0	0.0	0.0	3.2	0.0	0.0	-	-	-	-	0.0
80.0	90.0	-	0.0	17.8	5.8	14.6	3.0	0.0	-	-	0.0	-	0.0
83.0	60.0	-	0.0	11.8	0.0	2.9	0.0	0.0	-	-	0.0	2.5	-
83.0	65.0	-	-	-	-	-	6.3	0.0	-	-	-	-	-
83.0	70.0	-	-	0.0	4.9	0.0	0.0	0.0	-	-	0.0	-	-
83.0	80.0	-	-	-	0.0	0.0	6.5	0.0	-	-	0.0	-	-
83.0	85.0	-	-	-	-	-	2.9	0.0	-	-	-	-	-
83.0	90.0	-	-	-	7.0	0.0	5.9	-	-	-	0.0	-	0.0
87.0	50.0	-	0.0	11.7	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	55.0	-	0.0	-	-	0.0	0.0	0.0	-	-	2.4	0.0	-
87.0	70.0	-	0.0	11.8	0.0	3.3	0.0	0.0	-	-	0.0	-	-
87.0	75.0	-	-	-	-	6.7	3.0	0.0	-	-	-	-	-
87.0	80.0	-	-	-	0.0	3.1	0.0	-	-	-	3.2	-	-
87.0	85.0	-	-	-	-	11.1	0.0	0.0	-	-	-	-	-
87.0	90.0	-	-	-	0.0	6.9	3.0	0.0	-	-	0.0	-	0.0
90.0	30.0	-	0.0	6.7	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	55.0	-	0.0	0.0	13.6	0.0	0.0	0.0	-	-	-	0.0	0.0
90.0	60.0	-	0.0	0.0	2.9	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	65.0	-	-	-	-	9.4	0.0	2.6	-	-	-	-	-
90.0	70.0	-	0.0	0.0	5.8	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	75.0	-	-	-	-	3.3	0.0	0.0	-	-	-	-	-
90.0	80.0	-	0.0	0.0	12.4	0.0	3.3	0.0	-	-	0.0	-	2.8
90.0	90.0	-	0.0	6.3	6.6	0.0	6.7	5.3	-	-	0.0	-	6.5
93.0	40.0	-	0.0	0.0	0.0	0.0	3.1	0.0	-	-	0.0	0.0	-
93.0	45.0	-	-	-	0.0	0.0	3.1	0.0	-	-	-	0.0	-
93.0	55.0	-	-	-	4.8	5.8	3.3	3.0	-	-	-	0.0	-
93.0	60.0	-	0.0	0.0	22.8	3.1	0.0	0.0	-	-	-	0.0	-
93.0	65.0	-	-	-	-	20.5	3.7	2.2	-	-	-	-	-
93.0	70.0	-	0.0	0.0	0.0	5.4	4.0	0.0	-	-	-	0.0	-
93.0	75.0	-	-	-	-	5.4	0.0	0.0	-	-	-	-	-
93.0	80.0	-	-	-	-	5.4	0.0	7.8	-	-	-	3.2	-
93.0	85.0	-	-	-	-	6.9	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	-	0.0	6.0	0.0	0.0	-	-	-	0.0	-
97.0	45.0	-	-	-	0.0	0.0	0.0	2.7	-	-	-	0.0	-
97.0	50.0	-	0.0	11.4	-	2.9	0.0	0.0	-	-	-	0.0	-
97.0	60.0	-	0.0	-	0.0	11.8	0.0	0.0	-	-	-	0.0	-
97.0	70.0	-	5.8	-	0.0	2.4	3.2	0.0	-	-	-	0.0	-
97.0	75.0	-	-	-	-	3.3	3.1	0.0	-	-	-	-	-
97.0	80.0	-	-	-	0.0	3.5	0.0	2.8	-	-	-	3.3	-
97.0	85.0	-	-	-	-	6.0	0.0	0.0	-	-	-	-	-
97.0	90.0	-	-	-	0.0	0.0	0.0	2.5	-	-	-	0.0	-
100.0	33.0	-	0.0	0.0	0.0	8.5	0.0	-	-	-	-	-	-
100.0	40.0	-	0.0	0.0	0.0	0.0	0.0	2.7	-	-	-	0.0	0.0
100.0	45.0	-	-	-	3.2	0.0	0.0	2.9	-	-	-	-	-
100.0	50.0	-	0.0	0.0	0.0	4.8	3.0	0.0	-	-	-	0.0	-
100.0	60.0	0.0	0.0	0.0	9.7	3.0	6.2	0.0	-	-	-	0.0	-
100.0	65.0	-	-	-	-	12.0	8.1	0.0	-	-	-	-	-
100.0	70.0	-	0.0	-	3.5	10.3	2.8	-	-	-	-	0.0	-
100.0	75.0	-	-	-	-	0.0	3.0	0.0	-	-	-	-	-
100.0	80.0	-	0.0	-	6.8	0.0	0.0	-	-	-	-	0.0	-
100.0	85.0	-	-	-	-	0.0	3.1	-	-	-	-	-	-
100.0	90.0	-	7.4	-	0.0	9.6	8.4	-	-	-	-	3.1	-
103.0	35.0	0.0	0.0	0.0	0.0	6.6	8.8	0.0	-	-	-	0.0	-
103.0	40.0	0.0	6.3	0.0	0.0	3.4	0.0	0.0	-	-	-	0.0	-
103.0	45.0	-	-	-	3.1	2.6	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	50.0	0.0	0.0	0.0	8.0	2.6	3.3	2.5	-	-	-	3.4	0.0
103.0	55.0	-	-	-	2.8	3.6	6.5	12.8	-	-	-	-	-
103.0	60.0	0.0	0.0	-	0.0	3.5	6.7	8.0	-	-	-	0.0	-
103.0	65.0	-	-	-	-	10.6	0.0	2.7	-	-	-	-	-
103.0	70.0	-	0.0	12.4	0.0	3.2	0.0	3.1	-	-	-	0.0	-
103.0	75.0	-	-	-	-	0.0	0.0	2.6	-	-	-	-	-
103.0	80.0	-	-	-	0.0	17.1	0.0	-	-	-	-	0.0	-
103.0	85.0	-	-	-	-	4.8	0.0	-	-	-	-	-	-
103.0	90.0	-	-	-	0.0	5.4	0.0	-	-	-	-	-	-
107.0	35.0	0.0	-	0.0	0.0	4.2	13.6	0.0	-	-	0.0	-	-
107.0	40.0	0.0	0.0	0.0	6.7	0.0	3.4	0.0	-	-	0.0	-	-
107.0	45.0	-	-	-	2.8	6.0	0.0	0.0	-	-	-	-	-
107.0	50.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	0.0	6.4	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	3.8	0.0	0.0	3.4	0.0	-	-	0.0	-	0.0
107.0	65.0	-	-	-	-	3.0	3.3	6.7	-	-	-	-	-
107.0	70.0	-	2.3	0.0	2.2	0.0	3.2	0.0	-	-	0.0	-	-
107.0	75.0	-	-	-	-	2.1	3.1	3.3	-	-	-	-	-
107.0	80.0	-	-	-	0.0	0.0	3.6	0.0	-	-	3.2	-	-
107.0	85.0	-	-	-	-	0.0	12.8	0.0	-	-	-	-	-
107.0	90.0	-	-	-	2.8	2.9	0.0	0.0	-	-	-	-	-
110.0	35.0	-	0.0	0.0	0.0	3.0	0.0	-	0.0	0.0	0.0	-	-
110.0	45.0	-	-	-	0.0	0.0	0.0	-	3.2	-	-	-	-
110.0	50.0	5.5	0.0	7.5	0.0	9.2	0.0	-	0.0	-	0.0	-	-
110.0	60.0	0.0	0.0	0.0	3.9	0.0	6.0	-	0.0	-	3.5	-	-
110.0	70.0	-	0.0	0.0	3.3	2.7	0.0	-	0.0	-	0.0	-	0.0
110.0	75.0	-	-	-	-	0.0	0.0	-	3.7	-	-	-	-
110.0	80.0	-	0.0	-	0.0	3.0	5.9	-	0.0	-	0.0	-	-
110.0	90.0	-	0.0	-	3.3	0.0	0.0	-	6.8	-	-	-	-
113.0	40.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	2.9	3.1	-	-
113.0	50.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-	2.4	-	-
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	0.0	6.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	75.0	-	-	-	-	0.0	2.5	0.0	-	-	-	-	-
113.0	80.0	-	-	-	0.0	0.0	0.0	0.0	-	-	2.7	-	-
117.0	40.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	60.0	0.0	0.0	3.1	0.0	0.0	0.0	5.9	-	-	2.0	-	-
117.0	70.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	75.0	-	-	-	-	2.7	0.0	0.0	-	-	-	-	-
117.0	80.0	-	-	-	0.0	5.4	0.0	0.0	-	-	0.0	-	-
120.0	45.0	0.0	0.0	-	-	0.0	0.0	0.0	5.9	0.0	0.0	-	-
120.0	75.0	-	-	-	-	2.5	0.0	3.4	-	-	-	-	-
120.0	80.0	-	0.0	0.0	0.0	0.0	2.3	0.0	-	-	0.0	-	-
120.0	90.0	-	-	-	-	-	0.0	-	-	-	3.0	-	-
123.0	42.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-	-
123.0	60.0	0.0	0.0	0.0	0.0	-	6.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

Melamphaes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	40.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	-	-
130.0	35.0	0.0	4.4	0.0	0.0	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	2.8	0.0	0.0	-	-
130.0	50.0	0.0	0.0	0.0	0.0	2.8	0.0	3.1	-	-	0.0	-	-
130.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	6.8	-	-
130.0	80.0	-	-	-	0.0	-	-	7.3	-	-	0.0	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	-	-
133.0	45.0	-	-	-	2.8	-	0.0	0.0	-	-	-	-	-
133.0	70.0	-	-	-	0.0	-	-	0.0	-	-	2.8	-	-
137.0	40.0	-	0.0	0.0	0.0	-	2.5	0.0	-	-	0.0	-	-
140.0	45.0	-	-	-	2.3	-	-	-	-	-	-	-	-
140.0	50.0	-	0.0	0.0	0.0	-	7.7	-	-	-	-	-	-
143.0	35.0	-	2.1	0.0	0.0	-	0.0	-	-	-	-	-	-
150.0	40.0	-	2.3	0.0	0.0	-	-	-	-	-	-	-	-
153.0	25.0	-	-	-	0.0	-	4.9	-	-	-	-	-	-

Poromitra spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	52.0	-	0.0	5.4	-	-	-	-	-	-	-	-	-
83.0	90.0	-	-	-	0.0	3.3	0.0	-	-	-	0.0	-	0.0
93.0	80.0	-	-	-	-	0.0	0.0	0.0	-	-	-	3.2	-
97.0	65.0	-	-	-	-	5.8	0.0	0.0	-	-	-	-	-
97.0	70.0	-	0.0	-	0.0	2.4	0.0	0.0	-	-	-	0.0	-
100.0	70.0	-	0.0	-	0.0	3.4	0.0	-	-	-	-	0.0	-
103.0	70.0	-	0.0	0.0	0.0	3.2	0.0	0.0	-	-	-	0.0	-
107.0	55.0	-	-	-	0.0	4.3	0.0	0.0	-	-	-	-	-
107.0	75.0	-	-	-	-	0.0	3.1	0.0	-	-	-	-	-
110.0	80.0	-	0.0	-	0.0	3.0	0.0	-	0.0	-	0.0	-	-
110.0	85.0	-	-	-	-	5.6	0.0	-	0.0	-	-	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.0	-	-
113.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.4	-	-
117.0	50.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-	0.0	-	-
117.0	75.0	-	-	-	-	2.7	0.0	0.0	-	-	-	-	-
120.0	70.0	5.9	0.0	0.0	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	-	-	2.9	-	-
123.0	60.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	3.1	-	-
137.0	45.0	-	-	-	0.0	-	2.1	0.0	-	-	-	-	-
137.0	70.0	-	-	-	0.0	-	-	3.2	-	-	3.3	-	-

Scopelogadus bispinosus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	52.0	-	0.0	5.4	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Scopelogadus bispinosus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	55.0	–	–	–	–	0.0	0.0	0.0	–	–	–	2.3	–
83.0	60.0	–	0.0	0.0	0.0	2.9	0.0	0.0	–	–	0.0	0.0	–
83.0	80.0	–	–	–	0.0	5.7	0.0	0.0	–	–	2.6	–	–
87.0	55.0	–	0.0	–	–	0.0	0.0	0.0	–	–	2.4	0.0	–
97.0	70.0	–	0.0	–	0.0	2.4	0.0	0.0	–	–	–	0.0	–
97.0	75.0	–	–	–	–	0.0	0.0	11.4	–	–	–	–	–
100.0	55.0	–	–	–	0.0	0.0	0.0	2.6	–	–	–	–	–
100.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	–	–	–	0.0	–
100.0	65.0	–	–	–	–	0.0	0.0	2.6	–	–	–	–	–
100.0	75.0	–	–	–	–	0.0	0.0	3.2	–	–	–	–	–
103.0	60.0	0.0	3.0	–	0.0	0.0	0.0	0.0	–	–	–	0.0	–
103.0	65.0	–	–	–	–	2.7	0.0	0.0	–	–	–	–	–
107.0	35.0	0.0	–	0.0	0.0	2.1	0.0	0.0	–	–	0.0	–	–
107.0	55.0	–	–	–	0.0	2.1	0.0	0.0	–	–	–	–	–
107.0	85.0	–	–	–	–	3.6	0.0	0.0	–	–	–	–	–
110.0	70.0	–	0.0	6.2	0.0	0.0	0.0	–	0.0	–	0.0	–	0.0
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–
120.0	80.0	–	0.0	0.0	0.0	5.0	0.0	0.0	–	–	0.0	–	–
123.0	60.0	0.0	0.0	0.0	3.0	–	0.0	0.0	–	–	0.0	–	–
130.0	40.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	–	–
137.0	70.0	–	–	–	0.0	–	–	0.0	–	–	3.3	–	–
157.0	20.0	–	0.0	–	2.7	–	0.0	–	–	–	–	–	–
157.0	30.0	–	5.9	–	0.0	–	0.0	–	–	–	–	–	–

Macroramphosus gracilis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.1	–	–
130.0	50.0	5.7	0.0	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.
87.0	90.0	–	–	–	0.0	0.0	0.0	0.0	–	–	0.0	–	3.2
97.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	2.5	–
100.0	32.0	–	–	–	–	–	–	2.8	–	–	–	–	–
115.0	27.0	–	–	–	–	–	–	–	2.9	0.0	–	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	–	–

TABLE 4. (cont.)

Agonidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	50.0	-	-	-	-	6.6	0.0	0.0	-	-	-	-	-
83.0	40.0	-	2.9	0.0	0.0	5.6	0.0	0.0	-	-	0.0	0.0	-
90.0	37.0	-	0.0	0.0	12.4	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	30.0	-	0.0	5.1	0.0	0.0	0.0	0.0	-	-	-	0.0	-
110.0	33.0	-	0.0	0.0	0.0	0.0	0.0	-	11.6	0.0	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	2.7	4.0	0.0	0.0	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	-	-

Cottidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	55.0	-	-	-	-	0.0	3.0	0.0	-	-	-	-	-
73.0	60.0	-	-	-	-	0.0	12.1	0.0	-	-	-	0.0	-
77.0	50.0	-	-	-	-	6.6	0.0	0.0	-	-	-	-	-
82.0	47.0	-	0.0	5.5	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
83.0	43.0	-	0.0	0.0	0.0	10.1	0.0	0.0	-	-	0.0	0.0	-
83.0	48.0	-	-	40.3	-	-	-	-	-	-	-	-	-
83.0	51.0	-	0.0	-	14.5	0.0	0.0	2.4	-	-	3.0	0.0	-
87.0	36.0	-	-	0.0	0.0	0.0	-	2.6	-	-	2.9	0.0	-
87.0	50.0	-	0.0	81.8	0.0	1.8	5.8	0.0	-	-	0.0	0.0	-
90.0	28.0	-	0.0	0.0	0.0	0.0	0.0	4.0	-	-	0.0	0.0	0.0
90.0	37.0	-	0.0	0.0	0.0	3.2	0.0	0.0	-	-	0.0	0.0	0.0
93.0	27.0	-	0.0	0.0	0.0	0.0	14.8	0.0	-	-	0.0	0.0	-
97.0	30.0	-	0.0	0.0	0.0	0.0	0.0	2.0	-	-	-	0.0	-
100.0	29.0	-	0.0	0.0	0.0	9.0	0.0	0.0	-	-	-	0.0	-
103.0	30.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	-	0.0	-
107.0	32.0	0.0	-	6.6	0.0	0.0	-	0.0	-	-	-	-	-
110.0	33.0	-	0.0	0.0	0.0	0.0	0.0	-	4.5	0.0	0.0	-	-
113.0	30.0	0.0	0.0	0.0	1.7	0.0	1.8	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	3.0	0.0	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	-	-
120.0	25.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	7.6	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.
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	-	21.8	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
87.0	50.0	-	0.0	11.7	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-

TABLE 4. (cont.)

Cyclopteridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	-	-	-	-	4.7	0.0	0.0	-	-	-	-	-
77.0	70.0	-	-	-	-	0.0	11.5	0.0	-	-	-	-	-
113.0	30.0	0.0	0.0	0.0	0.0	27.8	0.0	0.0	0.0	0.0	0.0	-	-

Hexagrammidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	30.0	0.0	13.6	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-

Ophiodon elongatus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	30.0	-	0.0	5.1	0.0	0.0	0.0	0.0	-	-	-	0.0	-

Oxylebius pictus

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	-	2.5
93.0	50.0	-	0.0	6.0	0.0	0.0	0.0	0.0	-	-	-	1.5	-
120.0	45.0	2.8	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Zaniolepis spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	43.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.5	0.0	-
123.0	37.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Scorpaenidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
157.0	15.0	-	-	-	0.0	-	6.6	-	-	-	-	-	-

Scorpaena spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	35.0	-	0.0	0.0	0.0	0.0	0.0	-	60.9	0.0	0.0	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	1.5	0.0	0.0	-	-
110.0	45.0	-	-	-	0.0	0.0	0.0	-	9.7	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.3	-	0.0	-	-
110.0	55.0	-	-	-	0.0	0.0	0.0	-	16.5	-	-	-	-

TABLE 4. (cont.)

Scorpaena spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	65.0	–	–	–	–	0.0	0.0	–	13.0	–	–	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	–	–
115.0	30.0	–	–	–	–	–	–	–	0.0	6.2	–	–	–
115.0	35.0	–	–	–	–	–	–	–	0.0	11.7	–	–	–
115.0	40.0	–	–	–	–	–	–	–	3.1	0.0	–	–	–
118.5	30.0	–	–	–	–	–	–	–	0.0	11.3	–	–	–
119.0	33.0	–	–	0.0	0.0	0.0	0.0	387.6	0.0	0.0	0.0	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	3.3	12.9	0.0	3.1	0.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	123.4	0.0	0.0	0.0	–	–
120.0	40.0	0.0	0.0	0.0	–	0.0	0.0	1.9	0.0	0.0	0.0	–	–
120.0	45.0	0.0	0.0	–	–	0.0	0.0	0.0	108.4	0.0	0.0	–	–
120.0	50.0	0.0	0.0	–	0.0	0.0	0.0	3.7	–	–	0.0	–	–
123.0	50.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	2.5	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	10.4	3.8	–	–
127.0	45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	–	–
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	–	–
130.0	45.0	–	–	–	–	–	0.0	0.0	10.8	0.0	–	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	–	–
133.0	50.0	–	0.0	0.0	0.0	0.0	0.0	3.4	–	–	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	–	–

Sebastes spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	50.0	–	–	–	–	18.4	0.0	–	–	–	–	–	–
60.0	55.0	–	–	–	–	34.0	12.1	81.1	–	–	–	–	–
60.0	60.0	–	–	–	–	70.9	3.1	45.5	–	–	–	–	–
60.0	70.0	–	–	–	–	13.6	45.4	72.2	–	–	–	–	–
60.0	80.0	–	–	–	–	0.0	46.6	–	–	–	–	–	–
63.0	52.0	–	–	–	–	78.5	152.5	21.1	–	–	–	–	–
63.0	55.0	–	–	–	–	110.0	254.8	101.2	–	–	–	–	–
63.0	60.0	–	–	–	–	33.2	142.6	42.8	–	–	–	–	–
63.0	70.0	–	–	–	–	0.0	26.8	48.9	–	–	–	–	–
63.0	80.0	–	–	–	–	0.0	3.7	9.0	–	–	–	–	–
67.0	50.0	–	–	–	–	23.0	105.0	–	–	–	–	–	–
67.0	55.0	–	–	–	–	0.0	44.7	139.9	–	–	–	–	–
67.0	60.0	–	–	–	–	45.8	42.0	16.7	–	–	–	–	–
67.0	70.0	–	–	–	–	12.4	0.0	8.0	–	–	–	–	–
67.0	80.0	–	–	–	–	0.0	3.2	6.5	–	–	–	–	–
70.0	52.0	–	–	–	–	70.4	0.0	87.4	–	–	–	–	–
70.0	60.0	–	–	–	–	17.2	18.8	7.1	–	–	–	0.0	–
70.0	70.0	–	–	–	–	66.8	35.8	4.2	–	–	–	0.0	–
70.0	90.0	–	–	–	–	3.3	5.5	–	–	–	–	–	–
73.0	50.0	–	–	–	–	18.2	21.3	4.8	–	–	–	–	–

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	51.0	-	-	-	-	-	-	-	-	-	-	27.1	-
73.0	55.0	-	-	-	-	37.3	123.5	41.0	-	-	-	19.0	-
73.0	60.0	-	-	-	-	123.1	60.4	6.4	-	-	-	0.0	-
73.0	70.0	-	-	-	-	0.0	18.6	29.8	-	-	-	-	-
73.0	80.0	-	-	-	-	0.0	18.5	-	-	-	-	-	-
77.0	50.0	-	-	-	-	33.0	0.0	3.3	-	-	-	-	-
77.0	55.0	-	-	-	-	75.2	83.7	3.3	-	-	-	-	-
77.0	60.0	-	-	-	-	112.6	19.2	43.0	-	-	-	-	-
77.0	70.0	-	-	-	-	0.0	0.0	18.9	-	-	-	-	-
80.0	51.0	-	2868.4	9.1	34.4	0.0	0.0	0.0	-	-	0.0	-	17.7
80.0	55.0	-	228.7	94.4	267.8	10.8	0.0	34.0	-	-	11.8	33.7	273.0
80.0	60.0	-	638.8	24.2	67.8	0.0	22.1	32.2	-	-	2.7	26.5	33.0
80.0	70.0	-	21.8	0.0	0.0	57.1	13.2	0.0	-	-	0.0	2.8	26.6
80.0	80.0	-	0.0	0.0	0.0	0.0	6.4	0.0	-	-	-	-	0.0
80.0	90.0	-	12.2	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	3.2
82.0	47.0	-	32.0	49.5	113.4	251.6	6.6	39.6	-	-	0.0	18.7	-
83.0	40.0	-	66.7	6.2	7.9	0.0	0.0	2.3	-	-	0.0	4.5	-
83.0	43.0	-	143.5	8.5	66.0	20.2	2.6	6.4	-	-	10.6	28.3	-
83.0	48.0	-	-	216.7	-	-	-	-	-	-	-	-	-
83.0	51.0	-	1482.6	-	207.3	65.6	39.0	17.0	-	-	6.1	33.2	-
83.0	52.0	-	400.9	321.3	-	-	-	-	-	-	-	-	-
83.0	55.0	-	-	-	-	108.8	0.0	11.4	-	-	-	0.0	-
83.0	60.0	-	14.0	0.0	59.5	5.8	24.0	26.8	-	-	0.0	0.0	-
83.0	65.0	-	-	-	-	-	3.2	0.0	-	-	-	-	-
83.0	75.0	-	-	-	-	-	41.6	0.0	-	-	-	-	-
83.0	80.0	-	-	-	0.0	11.4	12.9	0.0	-	-	0.0	-	-
83.0	90.0	-	-	-	0.0	0.0	0.0	-	-	-	0.0	-	3.0
86.0	46.0	-	49.1	-	191.9	-	-	-	-	-	-	-	-
87.0	35.0	-	69.4	-	-	-	0.0	-	-	-	-	-	-
87.0	36.0	-	-	156.5	140.8	41.4	-	0.0	-	-	2.9	4.5	-
87.0	38.0	-	60.6	-	-	-	-	-	-	-	-	-	-
87.0	40.0	-	146.9	287.0	48.6	70.1	24.2	-	-	-	0.0	3.9	-
87.0	45.0	-	-	68.6	-	306.2	28.6	0.0	-	-	3.1	3.5	-
87.0	50.0	-	270.3	502.2	1596.2	25.6	121.4	7.1	-	-	22.3	190.6	-
87.0	55.0	-	20.3	-	-	6.5	56.8	5.7	-	-	4.8	23.3	-
87.0	60.0	-	225.6	0.0	47.7	131.0	52.5	5.4	-	-	3.3	34.5	-
87.0	65.0	-	-	-	-	0.0	83.1	10.2	-	-	-	-	-
87.0	70.0	-	0.0	11.8	22.7	0.0	142.6	56.3	-	-	0.0	-	-
87.0	75.0	-	-	-	-	0.0	23.6	0.0	-	-	-	-	-
87.0	80.0	-	-	-	25.5	0.0	0.0	-	-	-	0.0	-	-
87.0	85.0	-	-	-	-	13.9	0.0	0.0	-	-	-	-	-
87.0	90.0	-	-	-	0.0	3.5	9.0	0.0	-	-	0.0	-	0.0
90.0	28.0	-	98.6	240.8	61.6	2.7	7.9	28.0	-	-	0.0	0.0	36.3
90.0	30.0	-	50.1	432.9	109.8	3.8	15.8	0.0	-	-	0.0	2.9	3.6
90.0	37.0	-	0.0	72.2	136.4	12.7	12.8	0.0	-	-	6.7	0.0	0.0
90.0	45.0	-	436.6	17.5	171.1	5.4	28.6	9.4	-	-	0.0	8.8	22.5

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	50.0	-	-	-	-	177.3	7.2	0.0	-	-	55.8	13.8	212.3
90.0	53.0	-	-	-	-	-	-	-	-	-	32.6	-	-
90.0	55.0	-	0.0	0.0	298.3	1017.3	56.0	9.4	-	-	-	30.3	0.0
90.0	60.0	-	17.5	17.1	11.7	0.0	94.5	18.7	-	-	10.1	0.0	0.0
90.0	65.0	-	-	-	-	9.4	84.0	5.2	-	-	-	-	-
90.0	70.0	-	0.0	0.0	63.8	0.0	116.2	5.5	-	-	0.0	-	0.0
90.0	75.0	-	-	-	-	0.0	45.0	4.8	-	-	-	-	-
90.0	80.0	-	0.0	57.2	0.0	0.0	3.3	30.8	-	-	0.0	-	2.8
90.0	85.0	-	-	-	-	0.0	0.0	3.2	-	-	-	-	-
90.0	90.0	-	0.0	0.0	19.9	12.1	3.3	0.0	-	-	0.0	-	3.3
93.0	27.0	-	149.2	192.4	18.8	18.0	0.0	0.0	-	-	0.0	11.2	-
93.0	30.0	-	26.7	77.2	68.2	8.1	0.0	8.1	-	-	0.0	0.0	-
93.0	35.0	-	-	-	51.4	27.0	18.5	0.0	-	-	4.5	0.0	-
93.0	40.0	-	0.0	6.5	200.0	18.8	3.1	2.9	-	-	5.7	2.7	-
93.0	45.0	-	-	-	407.9	2.6	0.0	0.0	-	-	-	0.0	-
93.0	50.0	-	86.5	276.9	671.4	18.2	3.4	2.8	-	-	-	3.0	-
93.0	55.0	-	-	-	513.6	179.8	3.3	3.0	-	-	-	0.0	-
93.0	60.0	-	13.4	19.4	57.0	15.4	14.8	0.0	-	-	-	0.0	-
93.0	65.0	-	-	-	-	66.6	36.7	0.0	-	-	-	-	-
93.0	70.0	-	0.0	0.0	0.0	151.8	7.9	0.0	-	-	-	0.0	-
93.0	85.0	-	-	-	-	3.5	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	-	0.0	12.0	0.0	0.0	-	-	-	0.0	-
97.0	30.0	-	61.4	485.8	134.6	102.6	6.5	8.0	-	-	-	8.4	-
97.0	32.0	-	0.0	-	56.6	22.3	0.0	2.2	-	-	-	19.6	85.3
97.0	35.0	-	-	-	-	-	-	-	-	-	-	3.5	-
97.0	40.0	-	0.0	89.9	0.0	3.9	3.0	0.0	-	-	-	2.5	-
97.0	45.0	-	-	-	61.4	2.6	0.0	8.2	-	-	-	0.0	-
97.0	50.0	-	0.0	0.0	-	5.7	0.0	13.3	-	-	-	0.0	-
97.0	55.0	-	-	-	-	142.6	0.0	0.0	-	-	-	0.0	-
97.0	60.0	-	25.9	-	12.8	0.0	9.1	0.0	-	-	-	0.0	-
97.0	65.0	-	-	-	-	0.0	3.5	0.0	-	-	-	-	-
97.0	70.0	-	0.0	-	8.5	0.0	0.0	0.0	-	-	-	0.0	-
97.0	90.0	-	-	-	0.0	7.6	0.0	0.0	-	-	-	0.0	-
100.0	29.0	-	271.2	34.9	52.4	9.0	11.9	0.0	-	-	-	0.0	-
100.0	30.0	-	-	-	-	-	-	-	-	-	-	6.4	-
100.0	33.0	-	89.6	3.4	83.5	25.6	6.0	-	-	-	-	-	-
100.0	40.0	-	67.2	0.0	44.1	88.8	0.0	0.0	-	-	-	0.0	26.6
100.0	45.0	-	-	-	6.3	5.7	0.0	0.0	-	-	-	-	-
100.0	50.0	-	0.0	0.0	0.0	12.0	12.0	0.0	-	-	-	0.0	-
100.0	55.0	-	-	-	17.2	13.7	6.6	0.0	-	-	-	-	-
100.0	60.0	0.0	0.0	0.0	101.6	32.8	3.1	0.0	-	-	-	0.0	-
100.0	85.0	-	-	-	-	0.0	6.2	-	-	-	-	-	-
103.0	30.0	102.9	190.4	38.1	82.9	13.6	16.6	1.6	-	-	-	7.9	-
103.0	35.0	61.1	110.7	8.7	0.0	6.6	0.0	3.2	-	-	-	0.0	-
103.0	40.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	-	-	-	0.0	-
103.0	45.0	-	-	-	0.0	20.5	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	50.0	0.0	0.0	0.0	0.0	18.2	3.3	0.0	-	-	-	0.0	0.0
103.0	55.0	-	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-
103.0	60.0	0.0	0.0	-	0.0	0.0	0.0	2.7	-	-	-	0.0	-
107.0	32.0	46.6	-	132.8	31.9	27.7	-	0.0	-	-	-	-	-
107.0	35.0	0.0	-	0.0	243.8	4.2	3.4	0.0	-	-	0.0	-	-
107.0	40.0	2.9	0.0	0.0	26.6	6.8	0.0	0.0	-	-	0.0	-	-
107.0	45.0	-	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
107.0	70.0	-	9.3	46.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	33.0	-	62.6	58.5	0.0	8.3	6.4	-	12.4	2.4	9.1	-	-
110.0	35.0	-	12.4	431.7	6.3	11.8	0.0	-	0.0	0.0	0.0	-	-
110.0	40.0	0.0	2.8	0.0	49.4	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	45.0	-	-	-	32.9	15.3	0.0	-	0.0	-	-	-	-
110.0	50.0	0.0	0.0	0.0	2.9	9.2	0.0	-	3.3	-	0.0	-	-
110.0	55.0	-	-	-	0.0	3.2	10.4	-	0.0	-	-	-	-
110.0	60.0	0.0	0.0	0.0	3.9	0.0	0.0	-	0.0	-	0.0	-	-
110.0	70.0	-	0.0	0.0	9.9	0.0	0.0	-	0.0	-	0.0	-	66.8
113.0	30.0	69.7	317.4	163.0	25.8	9.3	1.8	8.3	0.0	0.0	0.0	-	-
113.0	35.0	8.2	70.0	228.2	0.0	0.0	2.7	7.9	2.7	3.1	0.0	-	-
113.0	40.0	0.0	7.6	14.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	45.0	-	-	-	0.0	0.0	3.2	0.0	-	-	-	-	-
113.0	50.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	-	-	0.0	-	-
113.0	65.0	-	-	-	-	5.4	0.0	0.0	-	-	-	-	-
113.0	80.0	-	-	-	2.9	0.0	0.0	0.0	-	-	0.0	-	-
115.0	40.0	-	-	-	-	-	-	-	0.0	3.2	-	-	-
117.0	26.0	425.7	132.2	0.0	8.5	6.7	0.0	0.0	0.0	8.0	3.0	-	-
117.0	30.0	126.7	573.1	110.9	26.9	23.3	0.0	0.0	0.0	0.0	0.0	-	-
117.0	35.0	0.0	248.4	69.0	11.3	8.3	7.4	0.0	0.0	0.0	0.0	-	-
117.0	40.0	42.7	6.9	29.8	10.4	43.5	0.0	0.0	2.7	0.0	0.0	-	-
117.0	45.0	-	-	-	0.0	32.1	1.3	0.0	-	-	-	-	-
117.0	50.0	7.9	5.6	343.2	0.0	8.4	0.0	0.0	-	-	3.1	-	-
117.0	55.0	-	-	-	0.0	24.3	0.0	0.0	-	-	-	-	-
117.0	60.0	0.0	0.0	24.6	0.0	3.1	0.0	0.0	-	-	0.0	-	-
118.0	39.0	-	-	76.5	10.8	27.2	0.0	0.0	-	-	0.0	-	-
118.5	30.0	-	-	-	-	-	-	-	9.6	0.0	-	-	-
119.0	33.0	-	-	136.1	0.0	5.4	11.0	10.3	0.0	0.0	0.0	-	-
120.0	25.0	0.0	29.8	6.0	2.5	0.0	2.5	0.0	0.0	0.0	0.0	-	-
120.0	30.0	4.9	117.2	84.3	0.0	0.0	0.0	12.9	6.7	0.0	0.0	-	-
120.0	35.0	0.0	43.7	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-
120.0	40.0	0.0	7.0	0.0	-	1.5	3.6	0.0	0.0	0.0	0.0	-	-
120.0	45.0	5.6	5.5	-	-	10.1	3.2	0.0	0.0	0.0	0.0	-	-
120.0	50.0	0.0	0.0	-	23.1	13.0	0.0	0.0	-	-	0.0	-	-
120.0	55.0	0.0	0.0	-	21.2	0.0	0.0	0.0	-	-	-	-	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	-	-	0.0	-	-
123.0	37.0	12.3	32.3	418.0	0.0	33.3	6.5	2.9	0.0	3.4	0.0	-	-
123.0	42.0	11.1	0.0	47.8	0.0	2.7	0.0	0.0	3.3	0.0	0.0	-	-

TABLE 4. (cont.)

Sebastes spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	50.0	0.0	0.0	0.0	19.9	-	0.0	0.0	-	-	0.0	-	-
123.0	55.0	-	0.0	0.0	7.8	-	0.0	0.0	-	-	-	-	-
123.0	60.0	0.0	4.4	0.0	0.0	-	0.0	0.0	-	-	0.0	-	-
127.0	34.0	12.2	7.9	91.5	4.9	2.9	0.0	0.0	0.0	0.0	3.4	-	-
127.0	40.0	60.1	0.0	7.5	0.0	0.0	0.0	6.1	6.7	0.0	0.0	-	-
127.0	45.0	-	0.0	21.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	50.0	0.0	0.0	6.3	0.0	-	0.0	0.0	-	-	0.0	-	-
127.0	60.0	0.0	0.0	3.4	0.0	-	0.0	0.0	-	-	0.0	-	-
130.0	30.0	0.0	0.0	32.0	5.2	2.9	0.0	0.0	0.0	5.1	0.0	-	-
130.0	35.0	0.0	65.4	0.0	0.0	24.2	0.0	0.0	0.0	0.0	0.0	-	-
130.0	40.0	5.8	10.4	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-
130.0	45.0	-	-	-	-	-	0.0	3.0	0.0	0.0	-	-	-
130.0	80.0	-	-	-	0.0	-	-	0.0	-	-	3.9	-	-
133.0	25.0	2.6	0.0	10.2	0.0	9.3	0.0	10.9	0.0	0.0	0.0	-	-
133.0	30.0	0.0	19.0	32.8	0.0	0.0	0.0	20.0	0.0	3.5	0.0	-	-
133.0	35.0	0.0	-	0.0	169.9	-	9.5	3.4	-	-	0.0	-	-
133.0	40.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	-	-	0.0	-	-
133.0	50.0	-	0.0	0.0	0.0	6.3	3.4	0.0	-	-	0.0	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	-	-
137.0	30.0	0.0	0.0	5.6	13.2	2.8	0.0	0.0	0.0	0.0	0.0	-	-
137.0	35.0	0.0	0.0	87.6	-	-	0.0	3.6	-	-	0.0	-	-
137.0	40.0	-	0.0	20.4	9.5	-	0.0	0.0	-	-	0.0	-	-
137.0	50.0	-	0.0	3.2	2.9	0.0	0.0	0.0	-	-	0.0	-	-
140.0	35.0	-	0.0	11.0	0.0	-	0.0	-	-	-	-	-	-
140.0	40.0	-	0.0	0.0	4.1	-	0.0	-	-	-	-	-	-
143.0	35.0	-	0.0	0.0	2.5	-	0.0	-	-	-	-	-	-

Sebastolobus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	80.0	-	-	-	-	0.0	3.1	-	-	-	-	-	-
82.0	47.0	-	0.0	2.8	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
83.0	80.0	-	-	-	0.0	2.8	0.0	0.0	-	-	0.0	-	-
93.0	40.0	-	0.0	0.0	0.0	0.0	3.1	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	-	-

Prionotus spp.

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	0.0	0.0	5.3	3.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	-	-
118.5	30.0	-	-	-	-	-	-	-	0.0	3.8	-	-	-
119.0	33.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	8.9	2.6	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	23.2	-	-

TABLE 4. (cont.)

Prionotus spp. (cont.)

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	0.0	0.0	10.7	9.0	20.4	–	–
120.0	40.0	0.0	0.0	0.0	–	0.0	0.0	0.0	8.1	5.9	0.0	–	–
123.0	42.0	2.8	0.0	0.0	0.0	0.0	0.0	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	8.6	0.0	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.0	0.0	–	–
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	382.3	36.1	30.2	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	77.7	2.7	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	451.2	753.5	461.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	358.6	0.0	–	–
157.0	25.0	–	–	–	0.0	–	5.5	–	–	–	–	–	–
157.0	35.0	–	–	–	2.7	–	–	–	–	–	–	–	–

Blennioidei

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	50.0	–	–	–	–	2.8	0.0	0.0	–	–	0.0	0.0	0.0
100.0	29.0	–	3.0	0.0	0.0	0.0	0.0	0.0	–	–	–	0.0	–

Hypsoblennius spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	1.3	0.0	–
83.0	43.0	–	0.0	0.0	0.0	0.0	0.0	6.4	–	–	0.0	0.0	–
90.0	37.0	–	0.0	0.0	0.0	0.0	12.8	0.0	–	–	0.0	0.0	0.0
100.0	32.0	–	–	–	–	–	–	14.1	–	–	–	–	–
103.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	–	–	–	0.0	–
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	–	–
118.5	30.0	–	–	–	–	–	–	–	0.0	3.8	–	–	–
119.0	33.0	–	–	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0	–	–
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	–	–
120.0	40.0	0.0	0.0	0.0	–	0.0	0.0	0.0	10.1	0.0	0.0	–	–
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	–	–
123.0	45.0	–	–	–	–	–	–	–	9.1	3.2	–	–	–
123.0	50.0	0.0	0.0	0.0	0.0	–	0.0	2.9	–	–	0.0	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.6	0.0	0.0	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	0.0	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	12.8	0.0	6.5	0.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	–	–
137.0	23.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	3.6	–	–

TABLE 4. (cont.)

Clinidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	48.0	-	-	22.7	-	-	-	-	-	-	-	-	-
87.0	50.0	-	0.0	35.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
90.0	28.0	-	0.0	2.3	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
97.0	30.0	-	5.3	0.0	6.1	0.0	0.0	0.0	-	-	-	0.0	-
107.0	32.0	0.0	-	0.0	12.8	0.0	-	0.0	-	-	-	-	-
110.0	35.0	-	0.0	3.5	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	13.6	0.0	0.0	0.0	0.0	-	-
120.0	35.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	40.0	18.8	4.7	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	37.0	2.5	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	-	-
157.0	25.0	-	-	-	0.0	-	5.5	-	-	-	-	-	-

Gobiidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	-	-	-	-	0.0	3.7	0.0	-	-	-	-	-
67.0	50.0	-	-	-	-	0.0	13.1	-	-	-	-	-	-
73.0	55.0	-	-	-	-	6.2	15.4	0.0	-	-	-	0.0	-
73.0	60.0	-	-	-	-	4.6	0.0	0.0	-	-	-	0.0	-
80.0	51.0	-	39.8	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	5.7	-	-	0.0	0.0	0.0
80.0	70.0	-	10.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
82.0	47.0	-	0.0	0.0	5.4	18.6	0.0	2.6	-	-	0.0	4.7	-
83.0	43.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	5.7	-
83.0	48.0	-	-	10.1	-	-	-	-	-	-	-	-	-
83.0	51.0	-	18.1	-	0.0	0.0	0.0	0.0	-	-	3.0	3.3	-
83.0	52.0	-	0.0	2.7	-	-	-	-	-	-	-	-	-
86.0	46.0	-	0.0	-	14.8	-	-	-	-	-	-	-	-
87.0	36.0	-	-	0.0	4.1	0.0	-	0.0	-	-	0.0	0.0	-
87.0	40.0	-	0.0	11.0	0.0	0.0	0.0	-	-	-	0.0	0.0	-
87.0	50.0	-	3.0	35.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
87.0	60.0	-	0.0	0.0	11.9	0.0	0.0	0.0	-	-	0.0	0.0	-
87.0	70.0	-	0.0	35.3	11.4	0.0	0.0	0.0	-	-	0.0	-	-
87.0	90.0	-	-	-	0.0	3.5	0.0	0.0	-	-	0.0	-	0.0
90.0	30.0	-	0.0	0.0	0.0	5.7	0.0	0.0	-	-	0.0	0.0	0.0
90.0	37.0	-	0.0	0.0	12.4	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	45.0	-	0.0	0.0	13.2	0.0	0.0	0.0	-	-	1.3	0.0	0.0
90.0	60.0	-	2.9	0.0	2.9	0.0	6.3	0.0	-	-	0.0	0.0	0.0
90.0	70.0	-	0.0	0.0	0.0	0.0	3.1	0.0	-	-	0.0	-	0.0
90.0	80.0	-	0.0	11.4	0.0	10.3	0.0	0.0	-	-	0.0	-	0.0
93.0	30.0	-	0.0	0.0	0.0	0.0	0.0	8.1	-	-	0.0	0.0	-
93.0	45.0	-	-	-	12.4	0.0	0.0	0.0	-	-	-	0.0	-
93.0	50.0	-	0.0	0.0	14.9	4.6	0.0	0.0	-	-	-	0.0	-
93.0	55.0	-	-	-	14.4	0.0	0.0	0.0	-	-	-	0.0	-
97.0	30.0	-	0.0	0.0	3.1	0.0	0.0	0.0	-	-	-	0.0	-

TABLE 4. (cont.)

Gobiidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	45.0	-	-	-	6.1	5.2	0.0	0.0	-	-	-	0.0	-
97.0	50.0	-	0.0	0.0	-	2.9	0.0	0.0	-	-	-	0.0	-
97.0	90.0	-	-	-	0.0	1.9	0.0	0.0	-	-	-	0.0	-
100.0	32.0	-	-	-	-	-	-	2.8	-	-	-	-	-
100.0	40.0	-	22.4	0.0	0.0	3.7	0.0	0.0	-	-	-	0.0	0.0
100.0	50.0	-	0.0	0.0	0.0	2.4	0.0	0.0	-	-	-	0.0	-
103.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	2.6	-
107.0	32.0	0.0	-	10.0	0.0	0.0	-	0.0	-	-	-	-	-
110.0	33.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	2.4	3.0	-	-
110.0	35.0	-	24.7	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	40.0	0.0	0.0	0.0	7.1	11.7	0.0	-	0.0	0.0	0.0	-	-
110.0	65.0	-	-	-	-	0.0	0.0	-	13.0	-	-	-	-
110.0	80.0	-	0.0	-	0.0	0.0	5.9	-	0.0	-	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.8	-	-
113.0	35.0	0.0	0.0	12.7	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-
117.0	26.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	7.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	2.4	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	0.0	-	-
118.0	39.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	2.4	-	-
118.5	25.0	-	-	-	-	-	-	-	0.0	2.5	-	-	-
118.5	35.0	-	-	-	-	-	-	-	3.1	-	-	-	-
119.0	33.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-
120.0	30.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-
120.0	40.0	0.0	0.0	0.0	-	0.0	0.0	0.0	14.2	38.4	3.3	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	3.4	5.4	-	-
123.0	42.0	0.0	0.0	6.0	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	2.9	-	-	0.0	-	-
127.0	40.0	0.0	0.0	7.5	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	0.0	0.0	0.0	0.0	3.3	-	-
133.0	25.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.0	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	14.8	-	-
140.0	40.0	-	2.8	0.0	0.0	-	0.0	-	-	-	-	-	-
157.0	25.0	-	-	-	0.0	-	5.5	-	-	-	-	-	-

Labridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	55.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	0.0	0.0
80.0	70.0	-	0.0	0.0	0.0	0.0	0.0	14.9	-	-	0.0	0.0	0.0
82.0	47.0	-	0.0	2.8	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
83.0	51.0	-	0.0	-	4.8	0.0	0.0	0.0	-	-	0.0	0.0	-

TABLE 4. (cont.)

Labridae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	55.0	-	0.0	-	-	0.0	5.7	0.0	-	-	0.0	0.0	-
90.0	28.0	-	0.0	0.0	0.0	0.0	7.9	0.0	-	-	0.0	0.0	0.0
90.0	37.0	-	0.0	0.0	12.4	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	60.0	-	0.0	0.0	0.0	27.4	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	-	-	2.8	0.0	-
93.0	40.0	-	0.0	0.0	0.0	2.7	0.0	0.0	-	-	0.0	0.0	-
93.0	45.0	-	-	-	24.7	0.0	0.0	0.0	-	-	-	0.0	-
93.0	50.0	-	0.0	0.0	44.8	13.7	0.0	0.0	-	-	-	0.0	-
93.0	55.0	-	-	-	4.8	0.0	223.0	3.0	-	-	-	0.0	-
93.0	60.0	-	0.0	0.0	0.0	0.0	0.0	2.3	-	-	-	0.0	-
97.0	30.0	-	0.0	0.0	0.0	0.0	0.0	6.0	-	-	-	0.0	-
97.0	32.0	-	0.0	-	11.3	0.0	0.0	0.0	-	-	-	0.0	0.0
97.0	40.0	-	0.0	0.0	0.0	0.0	3.0	0.0	-	-	-	0.0	-
97.0	50.0	-	0.0	0.0	-	0.0	0.0	2.7	-	-	-	0.0	-
97.0	55.0	-	-	-	-	13.0	59.2	0.0	-	-	-	0.0	-
97.0	60.0	-	0.0	-	0.0	0.0	0.0	2.4	-	-	-	0.0	-
100.0	33.0	-	0.0	0.0	0.0	8.5	3.0	-	-	-	-	-	-
100.0	40.0	-	0.0	0.0	4.9	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0	50.0	-	0.0	0.0	0.0	2.4	0.0	0.0	-	-	-	0.0	-
100.0	55.0	-	-	-	0.0	0.0	6.6	0.0	-	-	-	-	-
100.0	60.0	3.0	0.0	0.0	4.8	0.0	0.0	0.0	-	-	-	0.0	-
100.0	70.0	-	0.0	-	0.0	3.4	0.0	-	-	-	-	0.0	-
100.0	85.0	-	-	-	-	3.4	0.0	-	-	-	-	-	-
103.0	30.0	0.0	0.0	0.0	1.4	0.0	0.0	1.6	-	-	-	0.0	-
103.0	50.0	0.0	0.0	0.0	2.7	0.0	3.3	0.0	-	-	-	0.0	0.0
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.6	-	-
110.0	35.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	3.5	0.0	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	2.9	2.8	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	0.0	-	-
115.0	27.0	-	-	-	-	-	-	-	2.9	0.0	-	-	-
115.0	35.0	-	-	-	-	-	-	-	0.0	2.9	-	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	2.9	3.1	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	19.2	0.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	-	-
118.0	39.0	-	-	0.0	0.0	0.0	0.0	3.3	-	-	2.4	-	-
118.5	25.0	-	-	-	-	-	-	-	0.0	2.5	-	-	-
119.0	33.0	-	-	0.0	0.0	0.0	0.0	20.6	5.8	8.9	0.0	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.9	3.2	0.0	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.3	3.1	2.1	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	40.2	0.0	0.0	0.0	-	-
120.0	40.0	0.0	0.0	0.0	-	0.0	0.0	0.0	28.4	3.0	3.3	-	-
120.0	45.0	0.0	0.0	-	-	0.0	0.0	0.0	5.9	5.6	0.0	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.4	21.8	-	-
123.0	42.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	-	-

TABLE 4. (cont.)

Labridae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	45.0	–	–	–	–	–	–	–	0.0	9.7	–	–	–
127.0	34.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	17.3	0.0	3.4	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.6	0.0	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	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	5.9	0.0	0.0	–	–
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–
130.0	45.0	–	–	–	–	–	0.0	0.0	2.7	0.0	–	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	3.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	0.0	–	–
133.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	21.4	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	10.9	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	3.7	–	–
137.0	35.0	0.0	4.9	0.0	–	–	0.0	3.6	–	–	3.7	–	–
140.0	50.0	–	3.4	0.0	0.0	–	0.0	–	–	–	–	–	–

Pomacentridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–
115.0	27.0	–	–	–	–	–	–	–	17.3	0.0	–	–	–
115.0	30.0	–	–	–	–	–	–	–	0.0	12.4	–	–	–
115.0	35.0	–	–	–	–	–	–	–	2.8	0.0	–	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	6.6	0.0	–	–
118.5	25.0	–	–	–	–	–	–	–	12.1	2.5	–	–	–
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.7	0.0	0.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	2.1	0.0	0.0	–	–
120.0	40.0	0.0	0.0	0.0	–	0.0	0.0	0.0	10.1	0.0	0.0	–	–
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	–	–
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8	0.0	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	–	–
130.0	70.0	–	–	–	0.0	–	–	0.0	–	–	9.0	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	0.0	–	–
137.0	35.0	0.0	0.0	0.0	–	–	0.0	0.0	–	–	3.7	–	–

Chromis punctipinnis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	–	0.0	0.0	0.0	0.0	0.0	2.3	–	–	0.0	0.0	–

TABLE 4. (cont.)

Chromis punctipinnis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	43.0	–	0.0	0.0	0.0	0.0	0.0	6.4	–	–	0.0	0.0	–
83.0	55.0	–	–	–	–	0.0	0.0	2.8	–	–	–	0.0	–
90.0	37.0	–	0.0	0.0	0.0	0.0	0.0	2.4	–	–	0.0	0.0	0.0
97.0	30.0	–	0.0	0.0	0.0	4.5	0.0	0.0	–	–	–	0.0	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	–	–
115.0	27.0	–	–	–	–	–	–	–	0.0	2.7	–	–	–
115.0	40.0	–	–	–	–	–	–	–	0.0	3.2	–	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	–	–
118.5	30.0	–	–	–	–	–	–	–	0.0	11.3	–	–	–

Mugil spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	–	–

Brama spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	90.0	–	–	–	0.0	0.0	0.0	–	–	–	2.6	–	0.0
93.0	80.0	–	–	–	–	0.0	0.0	0.0	–	–	–	3.2	–
97.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	–	3.3	–
100.0	55.0	–	–	–	0.0	0.0	0.0	2.6	–	–	–	–	–
100.0	70.0	–	0.0	–	1.8	0.0	0.0	–	–	–	–	0.0	–
100.0	80.0	–	0.0	–	0.0	2.2	0.0	–	–	–	–	3.0	–
103.0	60.0	0.0	0.0	–	0.0	0.0	0.0	0.0	–	–	–	3.2	–
103.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	–	3.3	–
107.0	65.0	–	–	–	–	0.0	0.0	3.4	–	–	–	–	–
107.0	80.0	–	–	–	0.0	6.4	0.0	0.0	–	–	0.0	–	–
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	–	3.5	–	–
110.0	70.0	–	0.0	0.0	0.0	0.0	0.0	–	0.0	–	3.3	–	0.0
110.0	85.0	–	–	–	–	0.0	0.0	–	3.3	–	–	–	–
113.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.7	–	–

Carangidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	35.0	0.0	–	0.0	0.0	0.0	0.0	3.5	–	–	0.0	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	–	–
130.0	60.0	0.0	2.6	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	0.0	0.0	3.2	6.0	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	9.7	0.0	–	–

TABLE 4. (cont.)

Carangidae (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	0.0	0.0	0.0	0.0	23.0	0.0	–	–
153.0	25.0	–	–	–	0.0	–	4.9	–	–	–	–	–	–
157.0	25.0	–	–	–	0.0	–	5.5	–	–	–	–	–	–

Seriola lalandi

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	65.0	–	–	–	–	0.0	0.0	2.7	–	–	–	–	–
107.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	–	–	0.0	–	0.0
107.0	65.0	–	–	–	–	0.0	0.0	6.7	–	–	–	–	–
107.0	85.0	–	–	–	–	0.0	0.0	13.9	–	–	–	–	–
110.0	33.0	–	0.0	0.0	0.0	0.0	0.0	–	1.4	0.0	0.0	–	–
110.0	45.0	–	–	–	0.0	0.0	0.0	–	19.4	–	–	–	–
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	–	3.3	–	0.0	–	–
110.0	55.0	–	–	–	0.0	0.0	0.0	–	13.2	–	–	–	–
110.0	70.0	–	0.0	0.0	0.0	0.0	0.0	–	10.3	–	0.0	–	0.0
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.3	0.0	0.0	–	–
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	–	–
113.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	–	–	0.0	–	–
113.0	75.0	–	–	–	–	0.0	0.0	3.3	–	–	–	–	–
115.0	35.0	–	–	–	–	–	–	–	5.6	0.0	–	–	–
115.0	40.0	–	–	–	–	–	–	–	12.3	0.0	–	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	0.0	0.0	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	–	–
117.0	55.0	–	–	–	0.0	0.0	0.0	3.0	–	–	–	–	–
117.0	65.0	–	–	–	–	0.0	0.0	14.7	–	–	–	–	–
117.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	–	–	0.0	–	–
117.0	75.0	–	–	–	–	0.0	0.0	6.7	–	–	–	–	–
118.5	25.0	–	–	–	–	–	–	–	3.0	0.0	–	–	–
118.5	30.0	–	–	–	–	–	–	–	3.2	0.0	–	–	–
119.0	33.0	–	–	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	–	–
120.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	–	–	0.0	–	–
120.0	65.0	–	–	–	–	0.0	0.0	7.1	–	–	–	–	–
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8	–	–	0.0	–	–
120.0	75.0	–	–	–	–	0.0	0.0	20.4	–	–	–	–	–
123.0	45.0	–	–	–	–	–	–	–	3.0	3.2	–	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–
137.0	40.0	–	0.0	0.0	0.0	–	0.0	3.7	–	–	0.0	–	–

TABLE 4. (cont.)

Trachurus symmetricus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	55.0	–	–	–	–	0.0	0.0	20.2	–	–	–	–	–
63.0	60.0	–	–	–	–	0.0	0.0	14.3	–	–	–	–	–
63.0	70.0	–	–	–	–	0.0	6.7	0.0	–	–	–	–	–
63.0	80.0	–	–	–	–	0.0	14.6	0.0	–	–	–	–	–
63.0	90.0	–	–	–	–	–	3.6	–	–	–	–	–	–
67.0	55.0	–	–	–	–	0.0	0.0	31.8	–	–	–	–	–
67.0	70.0	–	–	–	–	0.0	0.0	8.0	–	–	–	–	–
67.0	80.0	–	–	–	–	0.0	9.6	0.0	–	–	–	–	–
67.0	90.0	–	–	–	–	–	12.6	–	–	–	–	–	–
70.0	52.0	–	–	–	–	77.4	0.0	0.0	–	–	–	–	–
70.0	60.0	–	–	–	–	129.0	6.3	0.0	–	–	–	0.0	–
70.0	70.0	–	–	–	–	226.9	0.0	0.0	–	–	–	0.0	–
70.0	80.0	–	–	–	–	3.5	0.0	–	–	–	–	0.0	–
70.0	90.0	–	–	–	–	3.3	121.0	–	–	–	–	–	–
73.0	60.0	–	–	–	–	355.7	24.2	0.0	–	–	–	0.0	–
73.0	70.0	–	–	–	–	132.2	294.5	0.0	–	–	–	–	–
73.0	80.0	–	–	–	–	0.0	720.7	–	–	–	–	–	–
73.0	90.0	–	–	–	–	–	31.0	–	–	–	–	–	–
77.0	55.0	–	–	–	–	0.0	23.9	0.0	–	–	–	–	–
77.0	60.0	–	–	–	–	0.0	70.4	0.0	–	–	–	–	–
77.0	70.0	–	–	–	–	267.1	69.1	0.0	–	–	–	–	–
77.0	80.0	–	–	–	–	0.0	2.8	3.7	–	–	–	–	–
77.0	90.0	–	–	–	–	–	56.0	0.0	–	–	–	–	–
80.0	60.0	–	0.0	0.0	0.0	0.0	77.3	12.9	–	–	0.0	0.0	0.0
80.0	70.0	–	0.0	0.0	0.0	100.0	289.5	14.9	–	–	0.0	0.0	0.0
80.0	80.0	–	0.0	0.0	0.0	0.0	362.5	0.0	–	–	–	–	0.0
80.0	90.0	–	0.0	0.0	0.0	21.9	259.7	2.7	–	–	0.0	–	0.0
83.0	40.0	–	0.0	0.0	0.0	0.0	0.0	1.2	–	–	0.0	0.0	–
83.0	51.0	–	0.0	–	0.0	0.0	0.0	9.7	–	–	0.0	0.0	–
83.0	60.0	–	0.0	5.9	0.0	2.9	144.1	0.0	–	–	0.0	0.0	–
83.0	65.0	–	–	–	–	–	18.9	0.0	–	–	–	–	–
83.0	70.0	–	–	34.4	0.0	0.0	135.0	5.8	–	–	0.0	–	–
83.0	75.0	–	–	–	–	–	62.4	0.0	–	–	–	–	–
83.0	80.0	–	–	–	0.0	2.8	161.5	0.0	–	–	0.0	–	–
83.0	85.0	–	–	–	–	–	120.1	2.8	–	–	–	–	–
83.0	90.0	–	–	–	2.3	42.6	29.5	–	–	–	0.0	–	0.0
87.0	55.0	–	0.0	–	–	32.5	0.0	2.9	–	–	0.0	0.0	–
87.0	65.0	–	–	–	–	0.0	11.1	0.0	–	–	–	–	–
87.0	75.0	–	–	–	–	30.1	0.0	3.8	–	–	–	–	–
87.0	80.0	–	–	–	0.0	37.1	0.0	–	–	–	0.0	–	–
87.0	85.0	–	–	–	–	16.7	5.4	0.0	–	–	–	–	–
87.0	90.0	–	–	–	0.0	6.9	60.2	0.0	–	–	0.0	–	0.0
90.0	45.0	–	0.0	0.0	39.5	0.0	0.0	0.0	–	–	0.0	0.0	0.0
90.0	55.0	–	0.0	0.0	0.0	323.7	0.0	0.0	–	–	–	0.0	0.0
90.0	60.0	–	0.0	0.0	0.0	465.1	0.0	0.0	–	–	0.0	0.0	0.0
90.0	70.0	–	0.0	0.0	0.0	3.3	12.6	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.
90.0	75.0	-	-	-	-	16.4	15.0	4.8	-	-	-	-	-
90.0	80.0	-	0.0	0.0	161.2	5.1	0.0	5.1	-	-	0.0	-	0.0
90.0	90.0	-	0.0	246.5	0.0	24.2	23.4	63.4	-	-	0.0	-	0.0
93.0	30.0	-	0.0	0.0	0.0	0.0	2.9	0.0	-	-	0.0	0.0	-
93.0	40.0	-	0.0	0.0	0.0	69.9	3.1	2.9	-	-	0.0	0.0	-
93.0	45.0	-	-	-	0.0	126.2	0.0	11.1	-	-	-	0.0	-
93.0	50.0	-	0.0	0.0	14.9	109.2	0.0	8.5	-	-	-	0.0	-
93.0	55.0	-	-	-	0.0	1473.2	164.0	66.0	-	-	-	0.0	-
93.0	60.0	-	0.0	0.0	159.6	370.8	111.0	21.0	-	-	-	0.0	-
93.0	65.0	-	-	-	-	35.8	506.5	17.8	-	-	-	-	-
93.0	70.0	-	0.0	6.0	0.0	24.4	7.9	65.3	-	-	-	0.0	-
93.0	75.0	-	-	-	-	18.8	41.8	21.5	-	-	-	-	-
93.0	80.0	-	-	-	-	0.0	140.8	15.5	-	-	-	0.0	-
93.0	85.0	-	-	-	-	3.5	7.1	5.7	-	-	-	-	-
93.0	90.0	-	-	-	0.0	0.0	3.8	0.0	-	-	-	0.0	-
97.0	30.0	-	0.0	0.0	0.0	13.4	0.0	0.0	-	-	-	0.0	-
97.0	45.0	-	-	-	6.1	0.0	0.0	0.0	-	-	-	0.0	-
97.0	50.0	-	0.0	0.0	-	0.0	3.8	0.0	-	-	-	0.0	-
97.0	55.0	-	-	-	-	2060.6	46.1	8.6	-	-	-	0.0	-
97.0	60.0	-	0.0	-	435.2	199.9	463.6	43.7	-	-	-	0.0	-
97.0	65.0	-	-	-	-	191.4	159.3	10.3	-	-	-	-	-
97.0	70.0	-	0.0	-	0.0	158.8	38.6	64.9	-	-	-	0.0	-
97.0	75.0	-	-	-	-	97.1	180.4	17.1	-	-	-	-	-
97.0	80.0	-	-	-	0.0	3.5	11.2	0.0	-	-	-	0.0	-
97.0	85.0	-	-	-	-	0.0	6.1	0.0	-	-	-	-	-
97.0	90.0	-	-	-	0.0	1.9	21.3	12.6	-	-	-	0.0	-
100.0	29.0	-	0.0	0.0	0.0	4.5	0.0	0.0	-	-	-	0.0	-
100.0	33.0	-	0.0	0.0	0.0	17.0	0.0	-	-	-	-	-	-
100.0	40.0	-	0.0	0.0	4.9	0.0	3.9	0.0	-	-	-	0.0	0.0
100.0	45.0	-	-	-	3.2	5.7	3.0	0.0	-	-	-	-	-
100.0	50.0	-	0.0	0.0	0.0	28.8	17.9	2.8	-	-	-	0.0	-
100.0	55.0	-	-	-	0.0	0.0	99.3	5.2	-	-	-	-	-
100.0	60.0	0.0	71.6	0.0	38.7	20.9	62.0	10.9	-	-	-	0.0	-
100.0	65.0	-	-	-	-	198.7	72.9	0.0	-	-	-	-	-
100.0	70.0	-	57.9	-	81.0	280.4	11.2	-	-	-	-	0.0	-
100.0	75.0	-	-	-	-	173.3	36.5	0.0	-	-	-	-	-
100.0	80.0	-	61.7	-	17.1	286.4	3.5	-	-	-	-	0.0	-
100.0	85.0	-	-	-	-	71.8	3.1	-	-	-	-	-	-
100.0	90.0	-	11.1	-	0.0	96.0	25.3	-	-	-	-	0.0	-
103.0	30.0	2.5	0.0	0.0	11.4	0.0	2.8	0.0	-	-	-	0.0	-
103.0	35.0	0.0	0.0	5.8	10.6	13.1	41.0	0.0	-	-	-	0.0	-
103.0	40.0	0.0	0.0	4.0	11.3	0.0	34.4	0.0	-	-	-	0.0	-
103.0	45.0	-	-	-	37.0	48.6	65.8	0.0	-	-	-	-	-
103.0	50.0	0.0	7.2	0.0	2.7	18.2	23.4	14.8	-	-	-	0.0	0.0
103.0	55.0	-	-	-	11.2	53.5	22.9	20.5	-	-	-	-	-
103.0	60.0	0.0	0.0	-	13.6	55.5	43.7	2.7	-	-	-	3.2	-

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	65.0	-	-	-	-	355.1	239.9	0.0	-	-	-	-	-
103.0	70.0	-	58.1	6.2	0.0	118.8	32.9	0.0	-	-	-	0.0	-
103.0	75.0	-	-	-	-	41.0	13.7	0.0	-	-	-	-	-
103.0	80.0	-	-	-	9.0	65.2	0.0	-	-	-	-	0.0	-
103.0	85.0	-	-	-	-	77.4	0.0	-	-	-	-	-	-
103.0	90.0	-	-	-	3.1	237.6	0.0	-	-	-	-	-	-
107.0	32.0	0.0	-	0.0	0.0	0.0	-	3.7	-	-	-	-	-
107.0	35.0	0.0	-	3.2	3.3	16.8	0.0	0.0	-	-	0.0	-	-
107.0	40.0	0.0	0.0	0.0	13.3	36.0	13.7	0.0	-	-	0.0	-	-
107.0	45.0	-	-	-	8.5	0.0	0.0	0.0	-	-	-	-	-
107.0	50.0	0.0	239.4	0.0	0.0	82.2	8.8	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	6.4	269.6	6.3	0.0	-	-	-	-	-
107.0	60.0	0.0	50.8	11.4	3.5	347.7	3.4	0.0	-	-	0.0	-	0.0
107.0	65.0	-	-	-	-	105.7	6.5	23.5	-	-	-	-	-
107.0	70.0	-	4.6	6.2	4.3	160.5	16.1	0.0	-	-	0.0	-	-
107.0	75.0	-	-	-	-	10.6	15.4	0.0	-	-	-	-	-
107.0	80.0	-	-	-	0.0	9.6	3.6	0.0	-	-	0.0	-	-
107.0	85.0	-	-	-	-	7.1	0.0	0.0	-	-	-	-	-
107.0	90.0	-	-	-	0.0	14.5	0.0	0.0	-	-	-	-	-
110.0	35.0	-	0.0	0.0	0.0	0.0	0.0	-	1.5	0.0	0.0	-	-
110.0	40.0	0.0	0.0	0.0	7.1	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	45.0	-	-	-	0.0	0.0	9.1	-	0.0	-	-	-	-
110.0	50.0	0.0	2.7	11.2	0.0	0.0	0.0	-	0.0	-	0.0	-	-
110.0	55.0	-	-	-	0.0	12.6	0.0	-	0.0	-	-	-	-
110.0	60.0	0.0	0.0	0.0	11.6	0.0	0.0	-	0.0	-	0.0	-	-
110.0	65.0	-	-	-	-	0.0	2.5	-	30.3	-	-	-	-
110.0	70.0	-	0.0	0.0	82.5	0.0	0.0	-	3.4	-	0.0	-	0.0
110.0	75.0	-	-	-	-	2.9	3.2	-	0.0	-	-	-	-
110.0	80.0	-	0.0	-	0.0	21.1	5.9	-	0.0	-	0.0	-	-
110.0	85.0	-	-	-	-	8.3	0.0	-	3.3	-	-	-	-
110.0	90.0	-	0.0	-	10.1	6.1	0.0	-	0.0	-	-	-	-
113.0	35.0	0.0	0.0	0.0	23.7	68.2	0.0	0.0	5.3	0.0	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	-	-
113.0	45.0	-	-	-	8.5	0.0	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-	0.0	-	-
113.0	70.0	0.0	0.0	0.0	0.0	54.4	0.0	0.0	-	-	0.0	-	-
113.0	75.0	-	-	-	-	0.0	12.7	0.0	-	-	-	-	-
113.0	80.0	-	-	-	5.9	3.0	35.3	0.0	-	-	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	10.4	0.0	0.0	3.3	0.0	0.0	0.0	-	-
117.0	45.0	-	-	-	0.0	4.6	0.0	0.0	-	-	-	-	-
117.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.0	-	-
117.0	70.0	0.0	0.0	0.0	10.7	0.0	0.0	0.0	-	-	0.0	-	-
117.0	75.0	-	-	-	-	16.1	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

Trachurus symmetricus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	80.0	-	-	-	16.9	21.4	0.0	0.0	-	-	0.0	-	-
119.0	33.0	-	-	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	0.0	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	2.3	-	-
120.0	55.0	0.0	0.0	-	0.0	0.0	2.3	0.0	-	-	-	-	-
120.0	75.0	-	-	-	-	5.0	7.0	0.0	-	-	-	-	-
123.0	55.0	-	0.0	0.0	2.6	-	0.0	0.0	-	-	-	-	-
127.0	40.0	5.5	0.0	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	0.0	9.1	0.0	0.0	-	-

Coryphaena hippurus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	45.0	-	-	-	0.0	0.0	0.0	-	3.2	-	-	-	-
110.0	55.0	-	-	-	0.0	0.0	0.0	-	3.3	-	-	-	-
113.0	55.0	-	-	-	0.0	0.0	0.0	7.0	-	-	-	-	-
115.0	35.0	-	-	-	-	-	-	-	5.6	0.0	-	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	0.0	2.5	-	-	-
118.5	30.0	-	-	-	-	-	-	-	3.2	0.0	-	-	-
119.0	33.0	-	-	0.0	0.0	0.0	0.0	0.0	2.9	3.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-
120.0	45.0	0.0	0.0	-	-	0.0	0.0	0.0	5.9	0.0	0.0	-	-
123.0	55.0	-	0.0	0.0	0.0	-	0.0	3.1	-	-	-	-	-
130.0	40.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	45.0	-	-	-	-	-	0.0	0.0	5.4	0.0	-	-	-
130.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	-	-	0.0	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.0	6.6	0.0	-	-
137.0	40.0	-	0.0	0.0	0.0	-	0.0	3.7	-	-	0.0	-	-
157.0	15.0	-	-	-	2.8	-	0.0	-	-	-	-	-	-

Gerreidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	-	-
118.5	30.0	-	-	-	-	-	-	-	0.0	26.3	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.7	3.2	0.0	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	-	-

TABLE 4. (cont.)

Gerreidae (cont.)

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	0.0	0.0	4.3	0.0	0.0	–	–
120.0	40.0	0.0	0.0	0.0	–	0.0	0.0	0.0	0.0	3.0	0.0	–	–
120.0	45.0	0.0	0.0	–	–	0.0	0.0	0.0	0.0	11.3	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	–	–

Haemulidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–
115.0	27.0	–	–	–	–	–	–	–	2.9	0.0	–	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	125.6	0.0	0.0	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	0.0	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	–	–
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.0	0.0	0.0	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	–	–
120.0	40.0	0.0	0.0	0.0	–	0.0	0.0	0.0	2.0	0.0	0.0	–	–
123.0	45.0	–	–	–	–	–	–	–	3.0	0.0	–	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.3	0.0	0.0	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	–	–
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	–	–

Girella nigricans

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	0.0	2.9	0.0	0.0	0.0	–	–
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–

Medialuna californiensis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	55.0	–	–	–	–	0.0	0.0	6.4	–	–	–	–	–
93.0	55.0	–	–	–	0.0	0.0	3.3	0.0	–	–	–	0.0	–
97.0	60.0	–	0.0	–	0.0	0.0	0.0	2.4	–	–	–	0.0	–
100.0	50.0	–	0.0	0.0	0.0	0.0	0.0	2.8	–	–	–	0.0	–
100.0	65.0	–	–	–	–	0.0	8.1	0.0	–	–	–	–	–
103.0	55.0	–	–	–	0.0	0.0	0.0	2.6	–	–	–	–	–
103.0	60.0	0.0	0.0	–	0.0	0.0	3.4	2.7	–	–	–	0.0	–
103.0	65.0	–	–	–	–	0.0	11.1	0.0	–	–	–	–	–
107.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	4.3	–	–

TABLE 4. (cont.)

Medialuna californiensis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	65.0	–	–	–	–	0.0	0.0	–	4.3	–	–	–	–
120.0	45.0	0.0	0.0	–	–	0.0	0.0	0.0	2.9	0.0	0.0	–	–

Caulolatilus princeps

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
119.0	33.0	–	–	0.0	0.0	0.0	0.0	3.4	2.9	0.0	0.0	–	–
120.0	25.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	58.1	2.9	0.0	0.0	0.0	–	–
127.0	45.0	–	10.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–
130.0	50.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	73.3	0.0	0.0	0.0	–	–

Sciaenidae

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	–	25.3
80.0	55.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	3.1	0.0
83.0	40.0	–	26.1	0.0	0.0	124.1	0.0	3.5	–	–	1.3	0.0	–
83.0	43.0	–	0.0	0.0	0.0	10.1	0.0	0.0	–	–	0.0	0.0	–
87.0	35.0	–	32.0	–	–	–	0.0	–	–	–	–	–	–
87.0	36.0	–	–	0.0	8.3	0.0	–	0.0	–	–	0.0	0.0	–
87.0	38.0	–	84.8	–	–	–	–	–	–	–	–	–	–
87.0	40.0	–	97.9	0.0	0.0	0.0	0.0	–	–	–	0.0	0.0	–
90.0	28.0	–	0.0	2.3	4.7	0.0	0.0	0.0	–	–	0.0	0.0	0.0
93.0	27.0	–	11.5	0.0	0.0	0.0	22.2	0.0	–	–	0.0	0.0	–
97.0	30.0	–	10.7	25.3	0.0	0.0	0.0	0.0	–	–	–	0.0	–
103.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	–	–	–	0.0	–
107.0	70.0	–	0.0	3.1	0.0	0.0	0.0	0.0	–	–	0.0	–	–
110.0	35.0	–	0.0	0.0	0.0	0.0	0.0	–	5.8	0.0	0.0	–	–
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	–	3.3	–	0.0	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	1.8	2.1	2.7	0.0	0.0	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0	–	–
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	–	–
115.0	27.0	–	–	–	–	–	–	–	8.7	0.0	–	–	–
115.0	40.0	–	–	–	–	–	–	–	0.0	3.2	–	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	14.6	2.7	3.0	–	–
117.0	30.0	0.0	0.0	0.0	0.0	4.7	13.6	0.0	8.8	0.0	0.0	–	–
119.0	33.0	–	–	0.0	0.0	5.4	0.0	0.0	2.9	0.0	0.0	–	–
120.0	25.0	0.0	6.0	6.0	0.0	0.0	2.5	0.0	11.8	0.0	0.0	–	–
120.0	30.0	14.8	0.0	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	0.0	14.2	0.0	0.0	–	–
120.0	45.0	0.0	0.0	–	–	0.0	0.0	0.0	5.9	0.0	0.0	–	–

TABLE 4. (cont.)

Sciaenidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	37.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	2.4	0.0	0.0	-	-
123.0	42.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	34.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	83.5	0.0	0.0	-	-
127.0	40.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1	0.0	0.0	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	72.6	0.0	0.0	0.0	-	-
130.0	45.0	-	-	-	-	-	0.0	8.9	0.0	0.0	-	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0	0.0	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	-	-
133.0	40.0	0.0	0.0	2.9	0.0	0.0	0.0	3.4	-	-	0.0	-	-
133.0	45.0	-	-	-	0.0	-	0.0	3.6	-	-	-	-	-
133.0	50.0	-	0.0	0.0	0.0	0.0	0.0	13.5	-	-	0.0	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	16.0	6.4	32.7	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	6.1	0.0	0.0	-	-
137.0	35.0	5.3	0.0	5.8	-	-	0.0	3.6	-	-	0.0	-	-
137.0	40.0	-	0.0	2.9	0.0	-	0.0	0.0	-	-	0.0	-	-

Serranidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	55.0	-	0.0	0.0	0.0	0.0	0.0	5.7	-	-	0.0	0.0	0.0
83.0	43.0	-	0.0	0.0	0.0	0.0	0.0	6.4	-	-	0.0	0.0	-
97.0	30.0	-	0.0	0.0	0.0	0.0	0.0	2.0	-	-	-	0.0	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	-	-
119.0	33.0	-	-	0.0	0.0	0.0	0.0	17.1	0.0	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	54.5	0.0	0.0	0.0	-	-
120.0	45.0	0.0	0.0	-	-	0.0	0.0	0.0	11.7	0.0	0.0	-	-
123.0	60.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	3.1	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-
133.0	25.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	0.0	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.7	42.8	0.0	-	-

Scombridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	30.0	0.0	6.4	0.0	0.0	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	13.2	0.0	0.0	0.0	-	-
130.0	45.0	-	-	-	-	-	0.0	3.0	0.0	0.0	-	-	-
133.0	35.0	0.0	-	25.8	0.0	-	0.0	0.0	-	-	0.0	-	-
133.0	50.0	-	0.0	0.0	0.0	0.0	0.0	6.8	-	-	0.0	-	-
140.0	30.0	-	2.0	0.0	0.0	-	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

Scombridae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
140.0	35.0	-	0.0	2.8	0.0	-	0.0	-	-	-	-	-	-

Auxis spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.3	-	0.0	-	-
110.0	55.0	-	-	-	0.0	0.0	0.0	-	3.3	-	-	-	-
110.0	65.0	-	-	-	-	0.0	0.0	-	4.3	-	-	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	-	-
115.0	35.0	-	-	-	-	-	-	-	28.1	0.0	-	-	-
115.0	40.0	-	-	-	-	-	-	-	15.3	0.0	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.1	0.0	0.0	-	-
117.0	65.0	-	-	-	-	0.0	0.0	7.4	-	-	-	-	-
118.5	30.0	-	-	-	-	-	-	-	60.6	0.0	-	-	-
118.5	35.0	-	-	-	-	-	-	-	9.4	-	-	-	-
119.0	33.0	-	-	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	-	-
120.0	65.0	-	-	-	-	0.0	0.0	3.5	-	-	-	-	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	-	-	0.0	-	-
123.0	70.0	-	-	-	0.0	-	-	3.3	-	-	0.0	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.4	0.0	0.0	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	-	-
137.0	35.0	0.0	0.0	0.0	-	-	0.0	3.6	-	-	0.0	-	-
157.0	15.0	-	-	-	0.0	-	6.6	-	-	-	-	-	-

Sarda chiliensis

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	6.6	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	0.0	0.0	0.0	2.9	-	-	0.0	-	-
93.0	55.0	-	-	-	0.0	0.0	16.4	0.0	-	-	-	0.0	-
97.0	30.0	-	0.0	0.0	0.0	4.5	0.0	0.0	-	-	-	0.0	-
97.0	32.0	-	0.0	-	17.0	0.0	0.0	2.2	-	-	-	0.0	0.0
97.0	60.0	-	0.0	-	0.0	3.9	3.0	0.0	-	-	-	0.0	-
97.0	65.0	-	-	-	-	2.9	3.5	0.0	-	-	-	-	-

TABLE 4. (cont.)

Scomber japonicus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	33.0	-	0.0	0.0	15.7	0.0	0.0	-	-	-	-	-	-
100.0	40.0	-	0.0	0.0	4.9	0.0	0.0	0.0	-	-	-	0.0	0.0
100.0	65.0	-	-	-	-	12.0	0.0	0.0	-	-	-	-	-
100.0	70.0	-	0.0	-	0.0	3.4	0.0	-	-	-	-	0.0	-
103.0	45.0	-	-	-	0.0	2.6	0.0	0.0	-	-	-	-	-
103.0	60.0	0.0	0.0	-	0.0	3.5	0.0	0.0	-	-	-	0.0	-
107.0	40.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	-	-	0.0	-	-
110.0	35.0	-	0.0	0.0	0.0	0.0	0.0	-	1.5	0.0	0.0	-	-
110.0	70.0	-	0.0	0.0	3.3	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	18.9	7.1	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	-	-
115.0	27.0	-	-	-	-	-	-	-	46.2	0.0	-	-	-
115.0	30.0	-	-	-	-	-	-	-	3.4	0.0	-	-	-
115.0	35.0	-	-	-	-	-	-	-	11.2	0.0	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	137.2	8.0	9.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.7	0.0	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	129.9	0.0	51.2	0.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	2.7	0.0	0.0	-	-
117.0	45.0	-	-	-	0.0	4.6	43.5	0.0	-	-	-	-	-
117.0	50.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	-	-	0.0	-	-
117.0	70.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-	-	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	24.2	2.5	-	-	-
118.5	30.0	-	-	-	-	-	-	-	9.6	161.3	-	-	-
118.5	35.0	-	-	-	-	-	-	-	31.2	-	-	-	-
119.0	33.0	-	-	0.0	0.0	21.4	2.7	0.0	78.3	44.7	44.2	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	2.5	35.6	41.4	0.0	0.0	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	51.7	26.7	9.3	128.7	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	51.7	19.2	17.9	115.8	-	-
120.0	40.0	0.0	0.0	0.0	-	0.0	0.0	13.2	91.3	5.9	0.0	-	-
120.0	45.0	0.0	0.0	-	-	0.0	3.2	0.0	5.9	0.0	0.0	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	74.1	0.0	-	-
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	3.4	0.0	-	-
130.0	45.0	-	-	-	-	-	0.0	5.9	0.0	0.0	-	-	-
133.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	-	-	0.0	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-
150.0	25.0	-	27.7	0.0	0.0	-	-	-	-	-	-	-	-

Scomberomorus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	-	-

TABLE 4. (cont.)

Trichiuridae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	35.0	0.0	–	0.0	0.0	0.0	3.4	0.0	–	–	0.0	–	–
107.0	55.0	–	–	–	0.0	2.1	0.0	0.0	–	–	–	–	–
110.0	33.0	–	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	3.0	–	–
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	0.0	2.8	–	–
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	–	3.3	–	0.0	–	–
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	–	0.0	–	3.5	–	–
110.0	70.0	–	0.0	0.0	0.0	0.0	0.0	–	0.0	–	0.0	–	15.9
110.0	80.0	–	0.0	–	0.0	3.0	0.0	–	0.0	–	0.0	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–
115.0	30.0	–	–	–	–	–	–	–	6.8	0.0	–	–	–
115.0	35.0	–	–	–	–	–	–	–	2.8	0.0	–	–	–
115.0	40.0	–	–	–	–	–	–	–	3.1	0.0	–	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	–	–
118.5	30.0	–	–	–	–	–	–	–	3.2	0.0	–	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	–	–
120.0	45.0	0.0	0.0	–	–	0.0	0.0	0.0	2.9	0.0	0.0	–	–
120.0	70.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	–	–	0.0	–	–
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	0.0	–	–
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.3	0.0	–	–
123.0	45.0	–	–	–	–	–	–	–	0.0	9.7	–	–	–
123.0	50.0	2.8	0.0	0.0	0.0	–	0.0	0.0	–	–	0.0	–	–
123.0	60.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	3.1	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	3.5	0.0	–	–
127.0	45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	22.8	0.0	0.0	–	–
127.0	50.0	2.6	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	0.0	0.0	2.7	0.0	0.0	–	–
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	0.0	0.0	–	–
130.0	40.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	22.0	3.3	0.0	–	–
130.0	45.0	–	–	–	–	–	0.0	0.0	5.4	3.0	–	–	–
130.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	–	–	0.0	–	–
133.0	25.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	–	–
133.0	40.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
137.0	30.0	45.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
137.0	35.0	2.7	4.9	0.0	–	–	0.0	3.6	–	–	0.0	–	–
137.0	40.0	–	0.0	2.9	0.0	–	0.0	0.0	–	–	0.0	–	–
140.0	30.0	–	2.0	0.0	0.0	–	0.0	–	–	–	–	–	–
140.0	40.0	–	2.8	0.0	0.0	–	0.0	–	–	–	–	–	–

Sphyraena argentea

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	–	0.0	0.0	0.0	11.3	0.0	0.0	–	–	0.0	0.0	–

TABLE 4. (cont.)

Sphyraena argentea (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
115.0	27.0	–	–	–	–	–	–	–	2.9	0.0	–	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–
119.0	33.0	–	–	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	–	–
120.0	25.0	0.0	0.0	35.8	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	–	–
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0	0.0	0.0	0.0	–	–
130.0	45.0	–	–	–	–	–	0.0	5.9	0.0	0.0	–	–	–
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	–	–
133.0	35.0	0.0	–	0.0	0.0	–	0.0	10.3	–	–	0.0	–	–
133.0	50.0	–	0.0	0.0	0.0	0.0	0.0	23.7	–	–	0.0	–	–

Icichthys lockingtoni

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	–	–	–	–	0.0	0.0	6.5	–	–	–	–	–
60.0	70.0	–	–	–	–	0.0	11.4	0.0	–	–	–	–	–
60.0	80.0	–	–	–	–	0.0	11.6	–	–	–	–	–	–
63.0	52.0	–	–	–	–	0.0	0.0	10.6	–	–	–	–	–
63.0	55.0	–	–	–	–	8.5	0.0	0.0	–	–	–	–	–
63.0	60.0	–	–	–	–	13.3	13.0	0.0	–	–	–	–	–
63.0	70.0	–	–	–	–	0.0	20.1	11.3	–	–	–	–	–
63.0	80.0	–	–	–	–	0.0	0.0	54.2	–	–	–	–	–
67.0	55.0	–	–	–	–	0.0	12.8	0.0	–	–	–	–	–
67.0	60.0	–	–	–	–	3.5	7.0	6.7	–	–	–	–	–
70.0	52.0	–	–	–	–	0.0	0.0	6.2	–	–	–	–	–
70.0	55.0	–	–	–	–	69.3	0.0	0.0	–	–	–	0.0	–
70.0	70.0	–	–	–	–	4.4	0.0	4.2	–	–	–	0.0	–
73.0	55.0	–	–	–	–	0.0	0.0	13.7	–	–	–	0.0	–
73.0	60.0	–	–	–	–	9.1	24.2	0.0	–	–	–	0.0	–
73.0	70.0	–	–	–	–	33.0	12.4	0.0	–	–	–	–	–
73.0	80.0	–	–	–	–	7.8	15.4	–	–	–	–	–	–
73.0	90.0	–	–	–	–	–	3.4	–	–	–	–	–	–
77.0	55.0	–	–	–	–	0.0	6.0	0.0	–	–	–	–	–
77.0	60.0	–	–	–	–	0.0	6.4	0.0	–	–	–	–	–
77.0	70.0	–	–	–	–	29.7	0.0	0.0	–	–	–	–	–
80.0	60.0	–	0.0	0.0	0.0	0.0	0.0	12.9	–	–	0.0	0.0	0.0
80.0	70.0	–	0.0	0.0	0.0	0.0	13.2	0.0	–	–	0.0	0.0	0.0
80.0	80.0	–	0.0	0.0	0.0	0.0	12.7	0.0	–	–	–	–	0.0
80.0	90.0	–	0.0	0.0	0.0	0.0	3.0	0.0	–	–	0.0	–	0.0
83.0	52.0	–	0.0	2.7	–	–	–	–	–	–	–	–	–
83.0	60.0	–	4.7	5.9	0.0	0.0	17.1	0.0	–	–	0.0	0.0	–
83.0	70.0	–	–	23.0	0.0	0.0	6.0	0.0	–	–	0.0	–	–

TABLE 4. (cont.)

Icichthys lockingtoni (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	75.0	–	–	–	–	–	10.4	0.0	–	–	–	–	–
87.0	45.0	–	–	6.2	–	0.0	0.0	0.0	–	–	0.0	0.0	–
87.0	50.0	–	0.0	0.0	0.0	1.8	0.0	0.0	–	–	0.0	0.0	–
87.0	55.0	–	0.0	–	–	6.5	0.0	0.0	–	–	0.0	0.0	–
90.0	45.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.9	0.0
90.0	55.0	–	0.0	0.0	13.6	0.0	0.0	0.0	–	–	–	0.0	0.0
90.0	70.0	–	0.0	0.0	5.8	0.0	6.3	0.0	–	–	0.0	–	0.0
90.0	80.0	–	0.0	11.4	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
90.0	90.0	–	0.0	0.0	13.2	0.0	0.0	0.0	–	–	0.0	–	0.0
93.0	45.0	–	–	–	12.4	2.6	0.0	0.0	–	–	–	0.0	–
93.0	50.0	–	0.0	0.0	29.8	4.6	0.0	0.0	–	–	–	0.0	–
93.0	55.0	–	–	–	9.6	5.8	9.8	0.0	–	–	–	0.0	–
93.0	60.0	–	13.4	0.0	0.0	0.0	0.0	0.0	–	–	–	0.0	–
93.0	65.0	–	–	–	–	0.0	3.7	0.0	–	–	–	–	–
93.0	70.0	–	12.6	0.0	0.0	0.0	0.0	0.0	–	–	–	0.0	–
97.0	32.0	–	0.0	–	11.3	0.0	0.0	0.0	–	–	–	0.0	0.0
97.0	55.0	–	–	–	–	0.0	6.6	0.0	–	–	–	0.0	–
97.0	60.0	–	0.0	–	0.0	0.0	9.1	0.0	–	–	–	0.0	–
100.0	33.0	–	0.0	0.0	0.0	8.5	0.0	–	–	–	–	–	–
100.0	55.0	–	–	–	0.0	0.0	6.6	0.0	–	–	–	–	–
100.0	60.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	–	–	–	0.0	–
103.0	30.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	–	–	–	0.0	–
103.0	40.0	0.0	12.6	0.0	0.0	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	–	–	–	0.0	0.0
103.0	55.0	–	–	–	0.0	0.0	6.5	0.0	–	–	–	–	–
110.0	35.0	–	0.0	0.0	6.3	0.0	0.0	–	0.0	0.0	0.0	–	–

Nomeidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
153.0	16.0	–	0.0	–	0.0	–	6.0	–	–	–	–	–	–
153.0	20.0	–	0.0	–	0.0	–	3.0	–	–	–	–	–	–
153.0	25.0	–	–	–	0.0	–	14.8	–	–	–	–	–	–
157.0	15.0	–	–	–	0.0	–	13.3	–	–	–	–	–	–
157.0	25.0	–	–	–	0.0	–	94.2	–	–	–	–	–	–

Peprilus simillimus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	–	0.0	0.0	0.0	50.8	0.0	0.0	–	–	0.0	0.0	–
93.0	35.0	–	–	–	3.7	0.0	0.0	0.0	–	–	0.0	0.0	–
113.0	30.0	0.0	0.0	5.8	0.0	0.0	0.0	8.3	0.0	0.0	0.0	–	–
117.0	26.0	20.6	0.0	0.0	2.8	0.0	60.0	0.0	0.0	0.0	0.0	–	–
117.0	30.0	10.6	0.0	0.0	0.0	4.7	6.8	0.0	0.0	0.0	0.0	–	–

TABLE 4. (cont.)

Peprilus simillimus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	40.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
119.0	33.0	–	–	6.5	0.0	96.5	11.0	0.0	0.0	0.0	0.0	–	–
120.0	25.0	0.0	0.0	53.6	9.8	3.7	25.2	0.0	0.0	0.0	0.0	–	–
120.0	30.0	14.8	0.0	0.0	6.4	44.6	33.0	3.2	0.0	0.0	0.0	–	–
120.0	35.0	0.0	9.7	0.0	15.2	0.0	133.4	0.0	2.1	0.0	0.0	–	–
120.0	40.0	0.0	4.7	0.0	–	4.6	0.0	0.0	0.0	0.0	0.0	–	–
120.0	45.0	0.0	0.0	–	–	10.1	0.0	0.0	0.0	0.0	0.0	–	–
120.0	65.0	–	–	–	–	6.1	0.0	0.0	–	–	–	–	–
120.0	70.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	–	–	0.0	–	–
130.0	30.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	25.0	0.0	66.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
133.0	30.0	0.0	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
137.0	35.0	0.0	0.0	0.0	–	–	0.0	10.7	–	–	0.0	–	–
140.0	35.0	–	0.0	2.8	0.0	–	0.0	–	–	–	–	–	–

Tetragonurus cuvieri

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	90.0	–	–	–	–	–	3.1	0.0	–	–	–	–	–
80.0	80.0	–	0.0	11.6	0.0	0.0	0.0	0.0	–	–	–	–	0.0
83.0	80.0	–	–	–	0.0	0.0	0.0	0.0	–	–	2.6	–	–
83.0	90.0	–	–	–	2.3	0.0	0.0	–	–	–	0.0	–	0.0
87.0	85.0	–	–	–	–	2.8	0.0	0.0	–	–	–	–	–
90.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	3.1
90.0	75.0	–	–	–	–	3.3	0.0	0.0	–	–	–	–	–
90.0	80.0	–	0.0	0.0	0.0	2.6	0.0	0.0	–	–	1.3	–	0.0
90.0	90.0	–	0.0	6.3	0.0	0.0	0.0	0.0	–	–	0.0	–	3.3
93.0	40.0	–	0.0	0.0	0.0	2.7	0.0	0.0	–	–	0.0	0.0	–
93.0	70.0	–	0.0	0.0	0.0	2.7	0.0	3.8	–	–	–	0.0	–
93.0	75.0	–	–	–	–	2.7	0.0	0.0	–	–	–	–	–
93.0	80.0	–	–	–	–	2.7	0.0	0.0	–	–	–	25.4	–
93.0	90.0	–	–	–	0.0	6.0	0.0	0.0	–	–	–	0.0	–
97.0	55.0	–	–	–	–	13.0	0.0	0.0	–	–	–	0.0	–
97.0	60.0	–	0.0	–	12.8	0.0	0.0	0.0	–	–	–	0.0	–
97.0	65.0	–	–	–	–	14.5	0.0	0.0	–	–	–	–	–
97.0	70.0	–	2.9	–	8.5	7.1	0.0	0.0	–	–	–	4.2	–
97.0	75.0	–	–	–	–	3.3	0.0	0.0	–	–	–	–	–
97.0	80.0	–	–	–	0.0	0.0	0.0	2.8	–	–	–	0.0	–
100.0	50.0	–	0.0	0.0	0.0	0.0	0.0	2.8	–	–	–	0.0	–
100.0	60.0	11.9	3.4	0.0	0.0	0.0	0.0	0.0	–	–	–	3.2	–
100.0	65.0	–	–	–	–	6.0	0.0	2.6	–	–	–	–	–
100.0	70.0	–	0.0	–	7.0	3.4	2.8	–	–	–	–	0.0	–
100.0	75.0	–	–	–	–	2.3	3.0	0.0	–	–	–	–	–
100.0	80.0	–	3.4	–	0.0	2.2	0.0	–	–	–	–	0.0	–
100.0	90.0	–	3.7	–	0.0	0.0	2.8	–	–	–	–	0.0	–

TABLE 4. (cont.)

Tetragonurus cuvieri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	35.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	-	-	-	0.0	-
103.0	50.0	0.0	14.4	0.0	0.0	2.6	0.0	0.0	-	-	-	0.0	0.0
103.0	60.0	0.0	0.0	-	6.8	3.5	0.0	5.3	-	-	-	6.4	-
103.0	65.0	-	-	-	-	2.7	0.0	0.0	-	-	-	-	-
103.0	70.0	-	0.0	3.1	0.0	0.0	3.3	0.0	-	-	-	10.0	-
103.0	80.0	-	-	-	3.0	0.0	0.0	-	-	-	-	3.0	-
103.0	90.0	-	-	-	3.1	0.0	0.0	-	-	-	-	-	-
107.0	35.0	0.0	-	0.0	0.0	2.1	0.0	0.0	-	-	0.0	-	-
107.0	40.0	0.0	0.0	0.0	3.3	2.3	0.0	0.0	-	-	0.0	-	-
107.0	45.0	-	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-
107.0	50.0	0.0	5.4	0.0	0.0	5.0	0.0	0.0	-	-	0.0	-	-
107.0	55.0	-	-	-	3.2	6.4	0.0	3.2	-	-	-	-	-
107.0	60.0	3.2	16.9	0.0	7.0	17.0	0.0	20.4	-	-	0.0	-	0.0
107.0	65.0	-	-	-	-	6.0	3.3	0.0	-	-	-	-	-
107.0	70.0	-	9.3	6.2	4.3	4.7	0.0	0.0	-	-	0.0	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	1.5	0.0	0.0	-	-
110.0	50.0	2.7	0.0	3.7	0.0	0.0	0.0	-	0.0	-	0.0	-	-
110.0	60.0	0.0	10.2	0.0	0.0	0.0	3.0	-	0.0	-	0.0	-	-
110.0	65.0	-	-	-	-	10.6	0.0	-	0.0	-	-	-	-
110.0	70.0	-	0.0	3.1	0.0	0.0	0.0	-	10.3	-	0.0	-	0.0
110.0	90.0	-	0.0	-	0.0	3.0	0.0	-	0.0	-	-	-	-
113.0	35.0	0.0	0.0	0.0	0.0	12.4	0.0	0.0	0.0	0.0	0.0	-	-
113.0	40.0	0.0	2.5	0.0	0.0	18.3	0.0	0.0	0.0	0.0	0.0	-	-
113.0	45.0	-	-	-	0.0	5.5	0.0	0.0	-	-	-	-	-
113.0	50.0	11.2	0.0	0.0	0.0	2.7	0.0	0.0	-	-	0.0	-	-
113.0	55.0	-	-	-	3.2	0.0	0.0	0.0	-	-	-	-	-
113.0	60.0	11.0	0.0	0.0	0.0	0.0	2.9	18.4	-	-	0.0	-	-
113.0	65.0	-	-	-	-	0.0	2.4	0.0	-	-	-	-	-
113.0	70.0	0.0	2.6	0.0	0.0	5.2	0.0	0.0	-	-	0.0	-	-
113.0	75.0	-	-	-	-	0.0	2.5	0.0	-	-	-	-	-
113.0	80.0	-	-	-	5.9	0.0	5.0	3.6	-	-	0.0	-	-
115.0	40.0	-	-	-	-	-	-	-	3.1	0.0	-	-	-
117.0	45.0	-	-	-	0.0	2.3	0.0	0.0	-	-	-	-	-
117.0	55.0	-	-	-	0.0	0.0	0.0	3.0	-	-	-	-	-
117.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	-	-	0.0	-	-
117.0	65.0	-	-	-	-	0.0	0.0	3.7	-	-	-	-	-
117.0	70.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	-	-	0.0	-	-
117.0	75.0	-	-	-	-	2.7	0.0	3.4	-	-	-	-	-
117.0	80.0	-	-	-	2.4	0.0	0.0	0.0	-	-	0.0	-	-
118.0	39.0	-	-	0.0	2.2	0.0	0.0	0.0	-	-	0.0	-	-
120.0	45.0	2.8	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	50.0	2.7	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	60.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	-	-	0.0	-	-
120.0	65.0	-	-	-	-	6.1	0.0	0.0	-	-	-	-	-
120.0	70.0	0.0	0.0	3.7	0.0	0.0	0.0	26.9	-	-	0.0	-	-
120.0	75.0	-	-	-	-	0.0	0.0	6.8	-	-	-	-	-

TABLE 4. (cont.)

Tetragonurus cuvieri (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	50.0	0.0	9.5	0.0	0.0	-	0.0	0.0	-	-	0.0	-	-
123.0	55.0	-	0.0	2.9	0.0	-	0.0	0.0	-	-	-	-	-
127.0	40.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	-	-
127.0	55.0	-	10.4	0.0	0.0	-	0.0	0.0	-	-	-	-	-
130.0	80.0	-	-	-	0.0	-	-	3.6	-	-	0.0	-	-

Chiasmodontidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	65.0	-	-	-	-	2.9	0.0	0.0	-	-	-	-	-
97.0	70.0	-	0.0	-	0.0	2.4	0.0	0.0	-	-	-	0.0	-
100.0	65.0	-	-	-	-	0.0	2.7	0.0	-	-	-	-	-
100.0	70.0	-	0.0	-	0.0	0.0	2.8	-	-	-	-	2.8	-
100.0	75.0	-	-	-	-	2.3	0.0	0.0	-	-	-	-	-
100.0	90.0	-	0.0	-	5.3	0.0	0.0	-	-	-	-	0.0	-
103.0	60.0	0.0	0.0	-	0.0	0.0	0.0	5.3	-	-	-	0.0	-
103.0	65.0	-	-	-	-	2.7	3.7	2.7	-	-	-	-	-
103.0	70.0	-	0.0	3.1	3.2	0.0	3.3	0.0	-	-	-	0.0	-
103.0	80.0	-	-	-	3.0	3.4	0.0	-	-	-	-	0.0	-
107.0	65.0	-	-	-	-	3.0	0.0	0.0	-	-	-	-	-
107.0	70.0	-	0.0	18.7	0.0	4.7	0.0	0.0	-	-	0.0	-	-
107.0	75.0	-	-	-	-	2.1	0.0	0.0	-	-	-	-	-
107.0	80.0	-	-	-	0.0	3.2	0.0	0.0	-	-	0.0	-	-
107.0	90.0	-	-	-	2.8	2.9	0.0	0.0	-	-	-	-	-
110.0	45.0	-	-	-	0.0	0.0	0.0	-	6.5	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.8	-	-
110.0	70.0	-	0.0	3.1	0.0	0.0	0.0	-	0.0	-	3.3	-	12.7
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	-	-
113.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.4	-	-
113.0	75.0	-	-	-	-	0.0	2.5	0.0	-	-	-	-	-
113.0	80.0	-	-	-	0.0	0.0	0.0	0.0	-	-	2.7	-	-
115.0	35.0	-	-	-	-	-	-	-	0.0	2.9	-	-	-
117.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.0	-	-
117.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.2	-	-
120.0	50.0	0.0	5.5	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	60.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	70.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-	-	0.0	-	-
120.0	80.0	-	0.0	0.0	0.0	10.0	0.0	0.0	-	-	0.0	-	-
120.0	85.0	-	-	-	-	-	2.8	-	-	-	-	-	-
123.0	55.0	-	0.0	2.9	0.0	-	0.0	0.0	-	-	-	-	-
123.0	60.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	3.1	-	-
123.0	70.0	-	-	-	0.0	-	-	0.0	-	-	6.2	-	-
127.0	40.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	-	-
127.0	45.0	-	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-

TABLE 4. (cont.)

Chiasmodontidae (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	50.0	0.0	0.0	0.0	0.0	–	0.0	3.1	–	–	0.0	–	–
127.0	55.0	–	0.0	0.0	0.0	–	0.0	3.2	–	–	–	–	–
127.0	60.0	0.0	0.0	6.8	0.0	–	0.0	0.0	–	–	0.0	–	–
130.0	40.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	–	–
130.0	50.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–	0.0	–	–
130.0	80.0	–	–	–	0.0	–	–	0.0	–	–	3.9	–	–
133.0	35.0	0.0	–	0.0	3.0	–	0.0	0.0	–	–	0.0	–	–
133.0	40.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–	0.0	–	–
140.0	40.0	–	0.0	0.0	0.0	–	2.8	–	–	–	–	–	–
150.0	40.0	–	0.0	0.0	6.5	–	–	–	–	–	–	–	–
153.0	30.0	–	3.0	–	0.0	–	0.0	–	–	–	–	–	–

Uranoscopidae

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	40.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–

Pleuronectiformes

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	0.0	0.0	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	–	–
120.0	40.0	0.0	0.0	0.0	–	0.0	0.0	0.0	2.0	0.0	0.0	–	–
133.0	35.0	0.0	–	0.0	3.0	–	0.0	0.0	–	–	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	–	–

Bothus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	60.0	2.6	0.0	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	5.5	0.0	0.0	–	–
137.0	35.0	0.0	4.9	0.0	–	–	0.0	0.0	–	–	0.0	–	–
157.0	25.0	–	–	–	0.0	–	5.5	–	–	–	–	–	–

Citharichthys spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	55.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	3.1	0.0
83.0	60.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.5	–
83.0	70.0	–	–	0.0	0.0	0.0	0.0	0.0	–	–	7.0	–	–
87.0	36.0	–	–	0.0	0.0	0.0	–	0.0	–	–	8.6	0.0	–
90.0	30.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.9	0.0

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	55.0	-	0.0	0.0	0.0	0.0	0.0	2.4	-	-	-	0.0	0.0
93.0	27.0	-	23.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
93.0	35.0	-	-	-	3.7	0.0	0.0	0.0	-	-	0.0	0.0	-
93.0	45.0	-	-	-	12.4	0.0	0.0	0.0	-	-	-	0.0	-
93.0	55.0	-	-	-	4.8	0.0	3.3	0.0	-	-	-	0.0	-
97.0	30.0	-	2.7	5.1	3.1	0.0	0.0	0.0	-	-	-	0.0	-
97.0	32.0	-	0.0	-	0.0	0.0	0.0	0.0	-	-	-	2.0	0.0
100.0	33.0	-	0.0	0.0	0.0	8.5	0.0	-	-	-	-	-	-
100.0	40.0	-	0.0	0.0	4.9	0.0	0.0	0.0	-	-	-	0.0	0.0
103.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	3.2	-
107.0	32.0	0.0	-	0.0	0.0	0.0	-	7.3	-	-	-	-	-
110.0	33.0	-	0.0	0.0	0.0	0.0	0.0	-	97.7	116.2	15.3	-	-
110.0	35.0	-	0.0	0.0	0.0	0.0	0.0	-	4.4	70.8	9.8	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	51.5	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	84.9	16.2	28.4	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	31.6	34.6	28.2	0.0	-	-
115.0	27.0	-	-	-	-	-	-	-	23.1	18.6	-	-	-
115.0	30.0	-	-	-	-	-	-	-	0.0	9.3	-	-	-
115.0	40.0	-	-	-	-	-	-	-	0.0	3.2	-	-	-
117.0	26.0	0.0	9.4	0.0	0.0	13.4	6.0	13.6	29.2	294.2	3.0	-	-
117.0	30.0	21.1	0.0	0.0	0.0	0.0	33.9	7.3	26.4	9.3	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	25.6	12.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	53.6	5.5	6.6	0.0	-	-
117.0	45.0	-	-	-	0.0	0.0	0.0	11.2	-	-	-	-	-
117.0	50.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
117.0	55.0	-	-	-	0.0	12.2	2.6	0.0	-	-	-	-	-
117.0	60.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-	-	0.0	-	-
117.0	70.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
118.0	39.0	-	-	9.6	0.0	3.0	0.0	0.0	-	-	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	21.1	15.2	-	-	-
118.5	30.0	-	-	-	-	-	-	-	3.2	7.5	-	-	-
118.5	35.0	-	-	-	-	-	-	-	9.4	-	-	-	-
119.0	33.0	-	-	0.0	0.0	10.7	46.6	30.9	2.9	20.9	0.0	-	-
120.0	25.0	0.0	17.9	0.0	63.7	0.0	40.3	41.6	5.9	6.3	0.0	-	-
120.0	30.0	4.9	35.2	0.0	0.0	0.0	207.9	109.8	83.5	3.1	0.0	-	-
120.0	35.0	0.0	0.0	0.0	15.2	0.0	0.0	2.9	2.1	3.0	0.0	-	-
120.0	40.0	0.0	2.3	0.0	-	0.0	3.6	0.0	20.3	0.0	0.0	-	-
120.0	45.0	0.0	0.0	-	-	5.1	0.0	0.0	17.6	2.8	0.0	-	-
120.0	50.0	2.7	0.0	-	0.0	2.6	0.0	0.0	-	-	0.0	-	-
120.0	65.0	-	-	-	-	0.0	13.7	0.0	-	-	-	-	-
120.0	70.0	0.0	0.0	0.0	0.0	5.9	2.9	0.0	-	-	0.0	-	-
120.0	75.0	-	-	-	-	0.0	3.5	0.0	-	-	-	-	-
123.0	37.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	-	-
123.0	50.0	0.0	0.0	0.0	0.0	-	0.0	2.9	-	-	0.0	-	-
123.0	60.0	0.0	4.4	0.0	3.0	-	0.0	0.0	-	-	0.0	-	-
127.0	34.0	0.0	7.9	9.1	0.0	0.0	0.0	0.0	8.6	0.0	0.0	-	-

TABLE 4. (cont.)

Citharichthys spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	40.0	0.0	14.1	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	-	-
127.0	45.0	-	10.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	-	-
127.0	50.0	0.0	0.0	0.0	10.6	-	0.0	0.0	-	-	0.0	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-
130.0	45.0	-	-	-	-	-	0.0	5.9	0.0	0.0	-	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.7	0.0	3.0	-	-
133.0	30.0	0.0	0.0	98.3	0.0	0.0	0.0	20.0	0.0	7.1	0.0	-	-
133.0	40.0	0.0	0.0	0.0	0.0	0.0	5.3	3.4	-	-	0.0	-	-
137.0	23.0	4.9	4.3	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	-	-

Citharichthys fragilis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	33.0	-	10.4	0.0	0.0	0.0	0.0	-	17.0	0.0	0.0	-	-
110.0	35.0	-	0.0	0.0	0.0	0.0	0.0	-	1.5	0.0	2.5	-	-
110.0	45.0	-	-	-	0.0	0.0	0.0	-	6.5	-	-	-	-
113.0	30.0	0.0	71.7	11.6	0.0	0.0	3.6	64.2	56.7	0.0	0.0	-	-
113.0	35.0	0.0	10.0	0.0	0.0	6.2	0.0	4.0	79.8	0.0	3.2	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	0.0	0.0	-	-
115.0	27.0	-	-	-	-	-	-	-	92.5	31.9	-	-	-
115.0	30.0	-	-	-	-	-	-	-	71.0	27.8	-	-	-
115.0	35.0	-	-	-	-	-	-	-	8.4	0.0	-	-	-
117.0	26.0	23.2	169.9	0.0	2.8	13.4	96.0	10.2	476.0	108.7	0.0	-	-
117.0	30.0	84.5	67.4	3.1	0.0	14.0	0.0	0.0	117.2	15.5	0.0	-	-
117.0	35.0	0.0	0.0	82.8	0.0	0.0	0.0	0.0	22.4	21.0	0.0	-	-
117.0	40.0	0.0	0.0	6.0	0.0	0.0	0.0	10.1	2.7	3.3	0.0	-	-
117.0	45.0	-	-	-	0.0	2.3	0.0	0.0	-	-	-	-	-
117.0	50.0	5.3	0.0	0.0	0.0	2.8	0.0	0.0	-	-	0.0	-	-
117.0	55.0	-	-	-	0.0	12.2	2.6	0.0	-	-	-	-	-
117.0	60.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-	-	0.0	-	-
118.0	39.0	-	-	9.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	9.1	0.0	-	-	-
118.5	30.0	-	-	-	-	-	-	-	3.2	0.0	-	-	-
118.5	35.0	-	-	-	-	-	-	-	93.6	-	-	-	-
119.0	33.0	-	-	38.9	0.0	0.0	191.8	68.6	116.0	17.9	0.0	-	-
120.0	25.0	18.2	71.5	41.7	0.0	37.0	138.6	20.8	26.6	3.2	0.0	-	-
120.0	30.0	108.2	316.4	12.0	8.6	55.8	0.0	171.2	0.0	0.0	0.0	-	-
120.0	35.0	44.3	165.2	0.0	15.2	12.0	601.9	80.4	4.3	3.0	0.0	-	-
120.0	40.0	0.0	37.6	0.0	-	15.2	0.0	5.7	0.0	0.0	0.0	-	-
120.0	45.0	5.6	0.0	-	-	25.3	3.2	0.0	0.0	0.0	0.0	-	-
120.0	50.0	0.0	0.0	-	0.0	5.2	0.0	0.0	-	-	0.0	-	-
123.0	37.0	4.9	17.0	0.0	0.0	0.0	2.2	14.5	0.0	0.0	0.0	-	-
123.0	42.0	2.8	0.0	17.9	0.0	2.7	0.0	9.4	0.0	0.0	0.0	-	-
123.0	50.0	0.0	0.0	0.0	0.0	-	0.0	8.7	-	-	0.0	-	-

TABLE 4. (cont.)

Citharichthys fragilis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	34.0	46.4	10.5	9.1	1.6	0.0	2.2	0.0	0.0	0.0	0.0	–	–
127.0	40.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
127.0	45.0	–	70.3	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	–	–
127.0	55.0	–	3.5	0.0	0.0	–	0.0	0.0	–	–	–	–	–
130.0	30.0	4.8	0.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	35.0	0.0	34.9	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	40.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
130.0	50.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	–
133.0	25.0	0.0	55.2	30.7	2.5	0.0	0.0	5.4	0.0	0.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	–	–
133.0	35.0	0.0	–	0.0	0.0	–	0.0	3.4	–	–	0.0	–	–
137.0	23.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
137.0	35.0	0.0	9.8	0.0	–	–	0.0	3.6	–	–	0.0	–	–
137.0	40.0	–	0.0	5.8	0.0	–	0.0	3.7	–	–	0.0	–	–
137.0	45.0	–	–	–	4.8	–	0.0	0.0	–	–	–	–	–
140.0	30.0	–	0.0	0.0	2.3	–	0.0	–	–	–	–	–	–
140.0	35.0	–	0.0	5.5	0.0	–	0.0	–	–	–	–	–	–
147.0	30.0	–	0.0	2.9	0.0	–	–	–	–	–	–	–	–

Citharichthys sordidus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	–	–	–	–	0.0	0.0	13.0	–	–	–	–	–
63.0	60.0	–	–	–	–	0.0	13.0	0.0	–	–	–	–	–
63.0	70.0	–	–	–	–	0.0	0.0	7.5	–	–	–	–	–
67.0	55.0	–	–	–	–	0.0	6.4	0.0	–	–	–	–	–
70.0	70.0	–	–	–	–	0.0	11.9	0.0	–	–	–	0.0	–
73.0	55.0	–	–	–	–	0.0	0.0	0.0	–	–	–	3.2	–
73.0	60.0	–	–	–	–	0.0	0.0	6.4	–	–	–	0.0	–
77.0	55.0	–	–	–	–	0.0	3.0	0.0	–	–	–	–	–
77.0	70.0	–	–	–	–	0.0	0.0	3.8	–	–	–	–	–
80.0	55.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	8.9	0.0	3.0
80.0	70.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	0.0	2.8	0.0
83.0	40.0	–	2.9	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
83.0	43.0	–	0.0	0.0	0.0	0.0	0.0	0.0	–	–	3.5	5.7	–
83.0	48.0	–	–	2.5	–	–	–	–	–	–	–	–	–
83.0	51.0	–	18.1	–	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
83.0	55.0	–	–	–	–	0.0	0.0	2.8	–	–	–	0.0	–
83.0	60.0	–	4.7	5.9	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
86.0	46.0	–	16.4	–	0.0	–	–	–	–	–	–	–	–
87.0	35.0	–	5.3	–	–	–	0.0	–	–	–	–	–	–
87.0	36.0	–	–	6.0	0.0	0.0	–	0.0	–	–	0.0	2.3	–
87.0	40.0	–	49.0	11.0	0.0	0.0	0.0	–	–	–	0.0	0.0	–
87.0	45.0	–	–	6.2	–	0.0	0.0	0.0	–	–	0.0	0.0	–
87.0	55.0	–	0.0	–	–	0.0	0.0	0.0	–	–	2.4	0.0	–

TABLE 4. (cont.)

Citharichthys sordidus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	28.0	-	5.5	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	53.0	-	-	-	-	-	-	-	-	-	3.3	-	-
90.0	60.0	-	0.0	0.0	0.0	0.0	6.3	0.0	-	-	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
90.0	80.0	-	0.0	5.7	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	30.0	-	0.0	5.9	0.0	0.0	0.0	5.4	-	-	0.0	0.0	-
93.0	45.0	-	-	-	0.0	0.0	3.1	0.0	-	-	-	0.0	-
93.0	50.0	-	12.4	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-
100.0	29.0	-	6.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-
100.0	60.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-	-	0.0	-
103.0	30.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	-	-	-	0.0	-
103.0	35.0	2.9	0.0	0.0	2.7	0.0	0.0	0.0	-	-	-	0.0	-
107.0	65.0	-	-	-	-	0.0	0.0	3.4	-	-	-	-	-
110.0	40.0	0.0	0.0	0.0	7.1	0.0	3.1	-	0.0	0.0	0.0	-	-
110.0	45.0	-	-	-	0.0	3.1	0.0	-	0.0	-	-	-	-
110.0	55.0	-	-	-	0.0	0.0	0.0	-	3.3	-	-	-	-
113.0	35.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	70.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-	-	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	-	-
117.0	45.0	-	-	-	0.0	2.3	0.0	0.0	-	-	-	-	-
117.0	55.0	-	-	-	0.0	12.2	0.0	0.0	-	-	-	-	-
119.0	33.0	-	-	6.5	0.0	0.0	11.0	6.9	0.0	0.0	0.0	-	-
120.0	25.0	0.0	6.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	-	-
120.0	30.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	15.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	40.0	0.0	4.7	0.0	-	0.0	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.
63.0	55.0	-	-	-	-	0.0	0.0	10.1	-	-	-	-	-
63.0	70.0	-	-	-	-	0.0	0.0	7.5	-	-	-	-	-
63.0	80.0	-	-	-	-	0.0	3.7	0.0	-	-	-	-	-
70.0	55.0	-	-	-	-	0.0	0.0	0.0	-	-	-	5.3	-
70.0	60.0	-	-	-	-	0.0	0.0	0.0	-	-	-	6.1	-
70.0	70.0	-	-	-	-	0.0	11.9	4.2	-	-	-	0.0	-
70.0	80.0	-	-	-	-	0.0	0.0	-	-	-	-	9.3	-
73.0	51.0	-	-	-	-	-	-	-	-	-	-	10.2	-
73.0	55.0	-	-	-	-	0.0	0.0	0.0	-	-	-	15.9	-
73.0	60.0	-	-	-	-	0.0	12.1	0.0	-	-	-	0.0	-
77.0	50.0	-	-	-	-	0.0	6.1	0.0	-	-	-	-	-
77.0	60.0	-	-	-	-	0.0	0.0	7.2	-	-	-	-	-
80.0	51.0	-	0.0	0.0	0.0	0.0	0.0	5.2	-	-	0.0	-	2.5

TABLE 4. (cont.)

Citharichthys stigmaeus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	55.0	-	0.0	17.7	7.4	0.0	0.0	17.0	-	-	56.0	39.8	6.0
80.0	60.0	-	6.8	0.0	9.7	11.8	0.0	0.0	-	-	19.1	17.6	22.0
80.0	70.0	-	10.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	11.2	0.0
80.0	80.0	-	0.0	5.8	0.0	0.0	0.0	0.0	-	-	-	-	0.0
80.0	90.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	3.2
82.0	47.0	-	0.0	0.0	5.4	0.0	0.0	2.6	-	-	0.0	9.4	-
83.0	40.0	-	0.0	0.0	0.0	0.0	0.0	2.3	-	-	1.3	4.5	-
83.0	43.0	-	0.0	0.0	6.6	0.0	0.0	4.3	-	-	7.1	0.0	-
83.0	51.0	-	0.0	-	0.0	0.0	0.0	2.4	-	-	0.0	3.3	-
83.0	52.0	-	0.0	5.4	-	-	-	-	-	-	-	-	-
83.0	55.0	-	-	-	-	0.0	0.0	2.8	-	-	-	0.0	-
83.0	60.0	-	4.7	5.9	0.0	0.0	0.0	10.7	-	-	0.0	0.0	-
83.0	70.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	2.3	-	-
83.0	90.0	-	-	-	0.0	0.0	0.0	-	-	-	0.0	-	9.0
87.0	35.0	-	10.7	-	-	-	0.0	-	-	-	-	-	-
87.0	36.0	-	-	0.0	16.6	0.0	-	0.0	-	-	31.5	2.3	-
87.0	40.0	-	0.0	22.1	0.0	0.0	0.0	-	-	-	0.0	3.9	-
87.0	45.0	-	-	0.0	-	55.7	0.0	0.0	-	-	0.0	3.5	-
87.0	50.0	-	0.0	0.0	0.0	0.0	5.8	0.0	-	-	0.0	6.5	-
87.0	55.0	-	0.0	-	-	0.0	0.0	0.0	-	-	2.4	18.1	-
87.0	60.0	-	0.0	0.0	0.0	0.0	0.0	2.7	-	-	0.0	19.1	-
87.0	65.0	-	-	-	-	0.0	0.0	3.4	-	-	-	-	-
87.0	70.0	-	0.0	23.5	11.4	0.0	0.0	0.0	-	-	0.0	-	-
90.0	28.0	-	11.0	4.5	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.4	5.9	0.0
90.0	37.0	-	0.0	24.1	0.0	3.2	12.8	12.2	-	-	3.3	0.0	0.0
90.0	45.0	-	0.0	2.9	0.0	0.0	0.0	0.0	-	-	0.0	2.9	0.0
90.0	50.0	-	-	-	-	0.0	0.0	0.0	-	-	19.0	0.0	0.0
90.0	53.0	-	-	-	-	-	-	-	-	-	13.0	-	-
90.0	55.0	-	0.0	24.6	0.0	23.1	0.0	0.0	-	-	-	0.0	0.0
90.0	60.0	-	2.9	0.0	0.0	0.0	18.9	2.3	-	-	3.3	0.0	0.0
90.0	65.0	-	-	-	-	0.0	3.1	0.0	-	-	-	-	-
90.0	70.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	6.3	-	0.0
90.0	80.0	-	11.6	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	2.8
93.0	27.0	-	23.0	8.9	0.0	9.0	0.0	0.0	-	-	0.0	0.0	-
93.0	30.0	-	0.0	89.1	0.0	4.1	0.0	21.6	-	-	0.0	0.0	-
93.0	35.0	-	-	-	0.0	2.1	3.1	2.6	-	-	40.2	0.0	-
93.0	40.0	-	0.0	6.5	0.0	0.0	0.0	0.0	-	-	8.5	0.0	-
93.0	50.0	-	0.0	6.0	0.0	0.0	3.4	0.0	-	-	-	1.7	-
93.0	70.0	-	6.3	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-
97.0	30.0	-	5.3	0.0	0.0	8.9	0.0	2.0	-	-	-	1.1	-
97.0	32.0	-	0.0	-	0.0	0.0	0.0	0.0	-	-	-	5.6	3.2
97.0	35.0	-	-	-	-	-	-	-	-	-	-	24.4	-
97.0	40.0	-	0.0	9.3	0.0	0.0	0.0	0.0	-	-	-	3.4	-
97.0	50.0	-	0.0	0.0	-	0.0	3.8	0.0	-	-	-	0.0	-
97.0	60.0	-	0.0	-	0.0	0.0	0.0	4.9	-	-	-	0.0	-

TABLE 4. (cont.)

Citharichthys stigmaeus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	90.0	-	-	-	7.7	0.0	0.0	0.0	-	-	-	0.0	-
100.0	29.0	-	0.0	0.0	0.0	0.0	0.0	1.9	-	-	-	0.0	-
100.0	32.0	-	-	-	-	-	-	2.8	-	-	-	-	-
100.0	33.0	-	0.0	0.0	10.4	25.6	3.0	-	-	-	-	-	-
100.0	40.0	-	22.4	0.0	0.0	3.7	0.0	0.0	-	-	-	5.7	0.0
100.0	45.0	-	-	-	3.2	0.0	0.0	2.9	-	-	-	-	-
100.0	50.0	-	0.0	0.0	0.0	0.0	3.0	2.8	-	-	-	3.0	-
100.0	55.0	-	-	-	0.0	0.0	3.3	0.0	-	-	-	-	-
103.0	30.0	2.5	0.0	0.0	0.0	4.5	0.0	0.0	-	-	-	0.0	-
103.0	35.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	-	-	-	0.0	-
103.0	40.0	6.1	6.3	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	0.0	-	-	-	3.4	0.0
110.0	33.0	-	10.4	0.0	21.4	2.8	0.0	-	39.0	2.4	3.0	-	-
110.0	35.0	-	0.0	0.0	0.0	8.9	0.0	-	13.3	0.0	0.0	-	-
110.0	40.0	0.0	0.0	0.0	14.1	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	45.0	-	-	-	0.0	9.2	0.0	-	0.0	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	3.1	0.0	-	0.0	-	0.0	-	-
110.0	55.0	-	-	-	3.0	0.0	10.4	-	0.0	-	-	-	-
113.0	30.0	0.0	0.0	0.0	1.7	0.0	0.0	26.9	0.0	0.0	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	21.3	3.1	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.9	0.0	-	-
113.0	45.0	-	-	-	0.0	0.0	22.5	0.0	-	-	-	-	-
115.0	27.0	-	-	-	-	-	-	-	2.9	0.0	-	-	-
115.0	35.0	-	-	-	-	-	-	-	0.0	2.9	-	-	-
115.0	40.0	-	-	-	-	-	-	-	0.0	3.2	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	3.3	108.0	6.8	5.8	0.0	0.0	-	-
117.0	30.0	0.0	0.0	12.3	3.8	4.7	13.6	3.6	14.7	0.0	0.0	-	-
117.0	35.0	0.0	0.0	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	26.8	0.0	0.0	0.0	-	-
117.0	45.0	-	-	-	0.0	0.0	0.0	15.0	-	-	-	-	-
118.5	30.0	-	-	-	-	-	-	-	3.2	0.0	-	-	-
118.5	35.0	-	-	-	-	-	-	-	9.4	-	-	-	-
119.0	33.0	-	-	6.5	0.0	0.0	8.2	17.1	0.0	0.0	0.0	-	-
120.0	25.0	0.0	0.0	0.0	0.0	3.7	20.2	3.0	0.0	0.0	0.0	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	29.1	3.3	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-
120.0	60.0	0.0	0.0	0.0	0.0	11.6	0.0	0.0	-	-	0.0	-	-
120.0	65.0	-	-	-	-	6.1	0.0	0.0	-	-	-	-	-
127.0	45.0	-	0.0	11.0	0.0	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	3.1	0.0	0.0	0.0	0.0	-	-
143.0	40.0	-	0.0	0.0	2.9	-	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

Citharichthys xanthostigma

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	51.0	-	39.8	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0
80.0	60.0	-	3.4	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
83.0	40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	2.3	-
83.0	43.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.5	0.0	-
83.0	48.0	-	-	2.5	-	-	-	-	-	-	-	-	-
83.0	70.0	-	-	0.0	0.0	0.0	0.0	5.8	-	-	0.0	-	-
87.0	90.0	-	-	-	0.0	0.0	0.0	14.0	-	-	0.0	-	0.0
90.0	37.0	-	0.0	0.0	0.0	0.0	0.0	2.4	-	-	0.0	0.0	0.0
97.0	35.0	-	-	-	-	-	-	-	-	-	-	3.5	-
97.0	50.0	-	0.0	0.0	-	0.0	0.0	2.7	-	-	-	0.0	-
100.0	35.0	-	-	-	-	-	-	-	-	-	-	3.3	-
100.0	55.0	-	-	-	0.0	4.6	0.0	0.0	-	-	-	-	-
103.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	-	-	-	0.0	-
107.0	70.0	-	0.0	3.1	0.0	0.0	0.0	0.0	-	-	0.0	-	-
110.0	33.0	-	0.0	0.0	0.0	2.8	3.2	-	89.2	0.0	9.1	-	-
110.0	35.0	-	0.0	0.0	0.0	0.0	3.1	-	7.3	0.0	7.4	-	-
110.0	45.0	-	-	-	0.0	3.1	0.0	-	0.0	-	-	-	-
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	-	6.6	-	0.0	-	-
110.0	60.0	0.0	0.0	0.0	3.9	0.0	0.0	-	0.0	-	24.9	-	-
110.0	75.0	-	-	-	-	0.0	3.2	-	0.0	-	-	-	-
113.0	30.0	0.0	41.0	0.0	0.0	0.0	0.0	8.3	16.2	0.0	2.8	-	-
113.0	35.0	0.0	10.0	0.0	0.0	0.0	0.0	67.2	69.2	6.3	0.0	-	-
113.0	40.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	17.9	0.0	0.0	-	-
113.0	45.0	-	-	-	0.0	0.0	3.2	0.0	-	-	-	-	-
113.0	50.0	0.0	0.0	3.3	0.0	0.0	0.0	3.9	-	-	0.0	-	-
113.0	55.0	-	-	-	0.0	0.0	2.9	0.0	-	-	-	-	-
113.0	60.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	-	-	0.0	-	-
113.0	75.0	-	-	-	-	0.0	2.5	0.0	-	-	-	-	-
115.0	27.0	-	-	-	-	-	-	-	63.6	34.6	-	-	-
115.0	30.0	-	-	-	-	-	-	-	50.7	37.1	-	-	-
115.0	35.0	-	-	-	-	-	-	-	5.6	2.9	-	-	-
115.0	40.0	-	-	-	-	-	-	-	3.1	28.9	-	-	-
117.0	26.0	7.7	169.9	0.0	2.8	80.2	90.0	0.0	140.2	8.0	0.0	-	-
117.0	30.0	137.3	67.4	0.0	0.0	0.0	40.7	32.8	2.9	40.3	0.0	-	-
117.0	35.0	53.4	0.0	27.6	0.0	0.0	0.0	0.0	19.2	57.0	9.6	-	-
117.0	40.0	96.1	0.0	0.0	0.0	0.0	0.0	26.8	2.7	72.6	5.8	-	-
117.0	45.0	-	-	-	0.0	2.3	0.0	7.5	-	-	-	-	-
117.0	50.0	2.6	2.8	18.7	0.0	0.0	0.0	0.0	-	-	3.1	-	-
117.0	60.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	-	-	0.0	-	-
118.0	39.0	-	-	19.1	0.0	0.0	0.0	0.0	-	-	4.8	-	-
118.5	25.0	-	-	-	-	-	-	-	3.0	5.1	-	-	-
118.5	30.0	-	-	-	-	-	-	-	0.0	3.8	-	-	-
118.5	35.0	-	-	-	-	-	-	-	96.7	-	-	-	-
119.0	33.0	-	-	0.0	12.3	209.0	328.8	34.3	37.7	6.0	2.6	-	-
120.0	25.0	0.0	17.9	0.0	0.0	11.1	113.4	11.9	17.8	3.2	0.0	-	-
120.0	30.0	29.5	70.3	0.0	0.0	122.8	0.0	29.1	6.7	0.0	0.0	-	-

TABLE 4. (cont.)

Citharichthys xanthostigma (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	35.0	2.3	286.7	0.0	15.2	12.0	140.2	137.8	0.0	0.0	2.3	-	-
120.0	40.0	0.0	25.8	0.0	-	74.5	0.0	5.7	8.1	0.0	0.0	-	-
120.0	45.0	38.9	19.4	-	-	55.7	0.0	0.0	0.0	0.0	0.0	-	-
120.0	50.0	0.0	0.0	-	0.0	0.0	2.5	0.0	-	-	0.0	-	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	0.0	-	-
123.0	37.0	7.4	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	-	-
123.0	42.0	11.1	8.0	6.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	-	-
123.0	50.0	0.0	0.0	0.0	0.0	-	0.0	26.2	-	-	5.1	-	-
123.0	55.0	-	27.2	2.9	0.0	-	0.0	0.0	-	-	-	-	-
123.0	60.0	0.0	0.0	5.7	0.0	-	0.0	0.0	-	-	3.1	-	-
127.0	34.0	43.9	2.6	12.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	40.0	92.8	70.4	7.5	0.0	0.0	0.0	0.0	13.4	3.5	0.0	-	-
127.0	45.0	-	140.6	21.9	0.0	3.6	0.0	0.0	2.8	0.0	0.0	-	-
127.0	50.0	18.4	5.3	0.0	10.6	-	0.0	0.0	-	-	0.0	-	-
127.0	55.0	-	0.0	0.0	3.0	-	0.0	0.0	-	-	-	-	-
127.0	60.0	0.0	0.0	6.8	0.0	-	0.0	0.0	-	-	6.5	-	-
130.0	30.0	4.8	12.8	0.0	0.0	5.9	0.0	0.0	2.7	0.0	0.0	-	-
130.0	35.0	26.4	21.8	0.0	4.2	0.0	0.0	0.0	0.0	0.0	4.3	-	-
130.0	40.0	5.8	7.8	8.1	0.0	0.0	3.1	26.4	8.3	6.6	0.0	-	-
130.0	45.0	-	-	-	-	-	0.0	0.0	21.6	3.0	-	-	-
130.0	80.0	-	-	-	0.0	-	-	0.0	-	-	7.7	-	-
133.0	25.0	10.5	55.2	30.7	0.0	0.0	0.0	0.0	3.2	6.0	0.0	-	-
133.0	30.0	0.0	161.2	0.0	0.0	0.0	0.0	6.7	0.0	28.2	0.0	-	-
133.0	35.0	0.0	-	0.0	3.0	-	0.0	17.1	-	-	0.0	-	-
133.0	40.0	2.7	0.0	0.0	0.0	0.0	8.0	0.0	-	-	0.0	-	-
133.0	50.0	-	0.0	0.0	0.0	0.0	0.0	3.4	-	-	3.1	-	-
133.0	70.0	-	-	-	2.9	-	-	0.0	-	-	0.0	-	-
137.0	23.0	2.4	25.6	0.0	0.0	0.0	0.0	0.0	0.0	45.1	7.3	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	26.0	-	-
137.0	35.0	5.3	29.5	5.8	-	-	0.0	3.6	-	-	0.0	-	-
137.0	40.0	-	8.8	37.8	0.0	-	0.0	0.0	-	-	0.0	-	-
137.0	50.0	-	0.0	3.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
140.0	30.0	-	0.0	8.1	0.0	-	0.0	-	-	-	-	-	-
140.0	35.0	-	0.0	13.8	0.0	-	0.0	-	-	-	-	-	-
143.0	35.0	-	0.0	19.5	2.5	-	0.0	-	-	-	-	-	-
143.0	40.0	-	0.0	6.1	0.0	-	0.0	-	-	-	-	-	-
147.0	25.0	-	0.0	2.6	0.0	-	-	-	-	-	-	-	-
147.0	30.0	-	0.0	2.9	0.0	-	-	-	-	-	-	-	-
147.0	40.0	-	0.0	0.0	2.5	-	-	-	-	-	-	-	-
150.0	35.0	-	0.0	-	5.5	-	-	-	-	-	-	-	-

Etropus spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.4	0.0	-	-

TABLE 4. (cont.)

Etropus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
115.0	27.0	-	-	-	-	-	-	-	5.8	0.0	-	-	-
115.0	30.0	-	-	-	-	-	-	-	10.1	0.0	-	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	3.0	0.0	-	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	3.1	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	-	-
120.0	40.0	0.0	0.0	0.0	-	0.0	0.0	7.6	2.0	0.0	0.0	-	-
120.0	45.0	0.0	0.0	-	-	0.0	0.0	0.0	2.9	2.8	0.0	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.1	0.0	-	-

Hippoglossina stomata

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	33.0	-	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-	-
110.0	33.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	7.3	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	-	-
113.0	35.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
115.0	27.0	-	-	-	-	-	-	-	0.0	2.7	-	-	-
115.0	35.0	-	-	-	-	-	-	-	2.8	0.0	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	-	-
117.0	35.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	-	-
117.0	50.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
118.5	30.0	-	-	-	-	-	-	-	3.2	0.0	-	-	-
118.5	35.0	-	-	-	-	-	-	-	3.1	-	-	-	-
119.0	33.0	-	-	0.0	0.0	0.0	2.7	0.0	5.8	3.0	2.6	-	-
120.0	25.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	-	-
120.0	30.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	35.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	55.0	0.0	0.0	-	0.0	0.0	0.0	3.3	-	-	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	2.2	8.7	0.0	0.0	0.0	-	-
123.0	42.0	0.0	0.0	6.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-	-
123.0	45.0	-	-	-	-	-	-	-	3.0	0.0	-	-	-
123.0	50.0	0.0	0.0	0.0	0.0	-	0.0	2.9	-	-	0.0	-	-
127.0	34.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	-	-
130.0	30.0	0.0	0.0	10.7	0.0	0.0	0.0	0.0	5.4	2.6	0.0	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	19.8	0.0	0.0	0.0	-	-
133.0	25.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	6.5	3.0	0.0	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.0	0.0	-	-
137.0	30.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	-	-

TABLE 4. (cont.)

Hippoglossina stomata (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
140.0	30.0	–	4.1	0.0	0.0	–	0.0	–	–	–	–	–	–
140.0	35.0	–	7.3	0.0	0.0	–	0.0	–	–	–	–	–	–
150.0	25.0	–	3.1	0.0	0.0	–	–	–	–	–	–	–	–

Paralichthys californicus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	–	17.4	0.0	0.0	16.9	1.8	0.0	–	–	0.0	0.0	–
83.0	43.0	–	0.0	0.0	0.0	10.1	0.0	2.1	–	–	0.0	0.0	–
90.0	28.0	–	0.0	0.0	9.5	0.0	0.0	0.0	–	–	0.0	0.0	0.0
97.0	30.0	–	2.7	0.0	0.0	0.0	0.0	0.0	–	–	–	4.2	–
110.0	33.0	–	0.0	0.0	0.0	0.0	0.0	–	11.3	0.0	0.0	–	–
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	–	–
115.0	35.0	–	–	–	–	–	–	–	2.8	2.9	–	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	2.9	0.0	0.0	–	–
117.0	35.0	0.0	0.0	55.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
118.5	25.0	–	–	–	–	–	–	–	3.0	0.0	–	–	–
120.0	25.0	9.1	0.0	29.8	0.0	3.7	0.0	14.9	0.0	0.0	0.0	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0	–	–
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	6.8	–	–
120.0	40.0	2.5	2.3	0.0	–	0.0	3.6	0.0	0.0	0.0	0.0	–	–
127.0	34.0	0.0	0.0	0.0	1.6	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	6.6	0.0	0.0	0.0	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	–	–
137.0	35.0	0.0	0.0	0.0	–	–	0.0	0.0	–	–	3.7	–	–

Syacium ovale

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	0.0	0.0	0.0	0.0	3.3	0.0	–	–
153.0	16.0	–	0.0	–	0.0	–	11.9	–	–	–	–	–	–
153.0	30.0	–	0.0	–	0.0	–	3.4	–	–	–	–	–	–
157.0	15.0	–	–	–	0.0	–	19.9	–	–	–	–	–	–
157.0	20.0	–	0.0	–	0.0	–	11.1	–	–	–	–	–	–
157.0	25.0	–	–	–	0.0	–	49.9	–	–	–	–	–	–

Xystreurys liolepis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	33.0	–	0.0	0.0	0.0	0.0	0.0	–	1.7	0.0	0.0	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	0.0	0.0	0.0	–	–
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	3.3	9.7	0.0	0.0	0.0	–	–

TABLE 4. (cont.)

Xystreurys liolepis (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	-	-

Glyptocephalus zachirus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	70.0	-	-	-	-	4.5	0.0	0.0	-	-	-	-	-
63.0	52.0	-	-	-	-	0.0	0.0	10.6	-	-	-	-	-
63.0	70.0	-	-	-	-	0.0	0.0	3.8	-	-	-	-	-
67.0	50.0	-	-	-	-	0.0	3.3	-	-	-	-	-	-
67.0	60.0	-	-	-	-	3.5	0.0	0.0	-	-	-	-	-
70.0	70.0	-	-	-	-	4.4	0.0	0.0	-	-	-	0.0	-
73.0	80.0	-	-	-	-	0.0	3.1	-	-	-	-	-	-
77.0	55.0	-	-	-	-	0.0	3.0	0.0	-	-	-	-	-
83.0	55.0	-	-	-	-	6.8	0.0	0.0	-	-	-	0.0	-
93.0	55.0	-	-	-	4.8	0.0	0.0	0.0	-	-	-	0.0	-
93.0	60.0	-	0.0	0.0	11.4	0.0	0.0	0.0	-	-	-	0.0	-

Hypsopsetta guttulata

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	-	2.9	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-

Lyopsetta exilis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	55.0	-	-	-	-	4.8	3.0	0.0	-	-	-	-	-
60.0	60.0	-	-	-	-	0.0	3.1	6.5	-	-	-	-	-
60.0	70.0	-	-	-	-	4.5	0.0	0.0	-	-	-	-	-
63.0	52.0	-	-	-	-	0.0	7.4	0.0	-	-	-	-	-
63.0	55.0	-	-	-	-	8.5	7.3	10.1	-	-	-	-	-
67.0	55.0	-	-	-	-	0.0	25.5	0.0	-	-	-	-	-
67.0	60.0	-	-	-	-	14.1	0.0	0.0	-	-	-	-	-
67.0	70.0	-	-	-	-	8.2	3.1	0.0	-	-	-	-	-
73.0	50.0	-	-	-	-	6.1	7.1	0.0	-	-	-	-	-
73.0	55.0	-	-	-	-	0.0	15.4	13.7	-	-	-	0.0	-
73.0	60.0	-	-	-	-	4.6	0.0	0.0	-	-	-	0.0	-
73.0	90.0	-	-	-	-	-	3.4	-	-	-	-	-	-
77.0	55.0	-	-	-	-	0.0	3.0	0.0	-	-	-	-	-
77.0	60.0	-	-	-	-	32.2	6.4	3.6	-	-	-	-	-
80.0	51.0	-	0.0	0.0	0.0	2.5	0.0	0.0	-	-	0.0	-	0.0
80.0	55.0	-	0.0	0.0	22.3	0.0	0.0	0.0	-	-	0.0	0.0	3.0
80.0	90.0	-	0.0	0.0	0.0	0.0	33.2	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.
82.0	47.0	–	0.0	22.0	24.3	18.6	0.0	0.0	–	–	0.0	0.0	–
83.0	40.0	–	0.0	0.0	7.9	0.0	0.0	0.0	–	–	0.0	0.0	–
83.0	43.0	–	12.0	5.7	6.6	0.0	0.0	0.0	–	–	0.0	0.0	–
83.0	52.0	–	0.0	2.7	–	–	–	–	–	–	–	–	–
86.0	46.0	–	16.4	–	4.9	–	–	–	–	–	–	–	–
87.0	35.0	–	5.3	–	–	–	0.0	–	–	–	–	–	–
87.0	36.0	–	–	6.0	24.8	0.0	–	0.0	–	–	0.0	0.0	–
87.0	40.0	–	0.0	33.1	9.7	0.0	0.0	–	–	–	0.0	0.0	–
87.0	45.0	–	–	6.2	–	0.0	4.1	0.0	–	–	0.0	0.0	–
87.0	50.0	–	0.0	0.0	0.0	1.8	0.0	0.0	–	–	0.0	0.0	–
87.0	55.0	–	0.0	–	–	0.0	0.0	0.0	–	–	0.0	2.6	–
90.0	28.0	–	5.5	11.3	9.5	5.4	7.9	0.0	–	–	0.0	0.0	0.0
90.0	30.0	–	0.0	6.7	0.0	0.0	0.0	0.0	–	–	0.0	0.0	0.0
90.0	50.0	–	–	–	–	2.8	0.0	0.0	–	–	0.0	0.0	0.0
90.0	55.0	–	0.0	0.0	0.0	23.1	0.0	0.0	–	–	–	0.0	0.0
93.0	27.0	–	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
93.0	30.0	–	0.0	0.0	0.0	2.0	0.0	0.0	–	–	0.0	0.0	–
93.0	40.0	–	0.0	0.0	20.0	0.0	0.0	0.0	–	–	0.0	0.0	–
93.0	45.0	–	–	–	24.7	0.0	0.0	0.0	–	–	–	0.0	–
93.0	50.0	–	0.0	0.0	14.9	0.0	0.0	0.0	–	–	–	0.0	–
93.0	55.0	–	–	–	4.8	0.0	0.0	0.0	–	–	–	0.0	–
97.0	30.0	–	0.0	15.2	0.0	0.0	0.0	0.0	–	–	–	0.0	–
97.0	40.0	–	0.0	6.2	0.0	0.0	0.0	0.0	–	–	–	0.0	–
100.0	29.0	–	0.0	3.5	5.2	9.0	0.0	0.0	–	–	–	0.0	–
103.0	30.0	0.0	0.0	2.9	1.4	0.0	0.0	0.0	–	–	–	0.0	–
107.0	32.0	0.0	–	0.0	6.4	0.0	–	0.0	–	–	–	–	–
107.0	35.0	0.0	–	0.0	6.5	0.0	0.0	0.0	–	–	0.0	–	–
110.0	33.0	–	0.0	0.0	0.0	0.0	0.0	–	1.7	0.0	0.0	–	–
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	0.0	0.0	0.0	–	–
113.0	35.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
115.0	35.0	–	–	–	–	–	–	–	5.6	0.0	–	–	–
117.0	26.0	0.0	0.0	0.0	5.7	3.3	0.0	0.0	0.0	0.0	0.0	–	–
117.0	30.0	0.0	33.7	6.2	23.0	102.5	0.0	0.0	0.0	0.0	0.0	–	–
117.0	35.0	0.0	0.0	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–
117.0	40.0	0.0	0.0	3.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	–	–
118.0	39.0	–	–	19.1	0.0	0.0	0.0	0.0	–	–	0.0	–	–
119.0	33.0	–	–	6.5	0.0	16.1	0.0	0.0	0.0	0.0	0.0	–	–
120.0	25.0	0.0	0.0	0.0	2.5	0.0	0.0	5.9	0.0	0.0	0.0	–	–
120.0	30.0	0.0	0.0	12.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	–	–
123.0	42.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	–	–

Microstomus pacificus

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

TABLE 4. (cont.)

Microstomus pacificus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	70.0	–	–	–	–	0.0	11.4	0.0	–	–	–	–	–
60.0	80.0	–	–	–	–	8.4	0.0	–	–	–	–	–	–
67.0	55.0	–	–	–	–	6.9	0.0	0.0	–	–	–	–	–
70.0	60.0	–	–	–	–	0.0	6.3	7.1	–	–	–	0.0	–
70.0	70.0	–	–	–	–	4.4	0.0	0.0	–	–	–	0.0	–
77.0	50.0	–	–	–	–	0.0	6.1	0.0	–	–	–	–	–
77.0	70.0	–	–	–	–	0.0	0.0	3.8	–	–	–	–	–
80.0	60.0	–	0.0	0.0	9.7	0.0	0.0	0.0	–	–	0.0	0.0	0.0
83.0	60.0	–	0.0	0.0	0.0	0.0	3.4	0.0	–	–	0.0	0.0	–
83.0	70.0	–	–	0.0	0.0	0.0	3.0	0.0	–	–	0.0	–	–
87.0	60.0	–	0.0	0.0	0.0	21.8	0.0	0.0	–	–	0.0	0.0	–
87.0	80.0	–	–	–	0.0	3.1	0.0	–	–	–	0.0	–	–
90.0	55.0	–	0.0	0.0	0.0	23.1	0.0	0.0	–	–	–	0.0	0.0
90.0	70.0	–	0.0	0.0	0.0	3.3	0.0	0.0	–	–	0.0	–	0.0
90.0	90.0	–	0.0	0.0	6.6	0.0	3.3	0.0	–	–	0.0	–	0.0
93.0	50.0	–	0.0	0.0	0.0	0.0	3.4	0.0	–	–	–	0.0	–
93.0	55.0	–	–	–	4.8	5.8	0.0	0.0	–	–	–	0.0	–
93.0	65.0	–	–	–	–	5.1	0.0	0.0	–	–	–	–	–
97.0	60.0	–	0.0	–	0.0	0.0	3.0	0.0	–	–	–	0.0	–
100.0	50.0	–	0.0	0.0	0.0	2.4	0.0	0.0	–	–	–	0.0	–
100.0	60.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	–	–	–	0.0	–
107.0	45.0	–	–	–	0.0	0.0	0.0	3.2	–	–	–	–	–

Parophrys vetulus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	70.0	–	–	–	–	16.5	0.0	0.0	–	–	–	–	–
80.0	51.0	–	39.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	–	0.0
83.0	40.0	–	5.8	0.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
83.0	43.0	–	12.0	0.0	0.0	0.0	2.6	0.0	–	–	0.0	0.0	–
83.0	48.0	–	–	2.5	–	–	–	–	–	–	–	–	–
87.0	35.0	–	10.7	–	–	–	0.0	–	–	–	–	–	–
87.0	36.0	–	–	24.1	8.3	5.9	–	0.0	–	–	0.0	0.0	–
87.0	40.0	–	0.0	0.0	9.7	0.0	0.0	–	–	–	0.0	0.0	–
90.0	28.0	–	0.0	13.5	23.7	2.7	0.0	0.0	–	–	0.0	0.0	0.0
90.0	45.0	–	0.0	0.0	0.0	0.0	7.2	0.0	–	–	0.0	0.0	0.0
93.0	27.0	–	0.0	3.0	0.0	0.0	0.0	0.0	–	–	0.0	0.0	–
93.0	35.0	–	–	–	3.7	0.0	0.0	0.0	–	–	0.0	0.0	–
97.0	30.0	–	0.0	0.0	6.1	0.0	0.0	0.0	–	–	–	0.0	–
97.0	40.0	–	0.0	12.4	0.0	0.0	0.0	0.0	–	–	–	0.0	–
100.0	29.0	–	0.0	0.0	5.2	0.0	0.0	0.0	–	–	–	0.0	–
103.0	30.0	0.0	0.0	14.7	0.0	0.0	0.0	0.0	–	–	–	0.0	–
107.0	32.0	0.0	–	0.0	25.5	0.0	–	0.0	–	–	–	–	–
110.0	33.0	–	0.0	4.5	0.0	0.0	0.0	–	1.7	2.4	0.0	–	–
110.0	35.0	–	0.0	7.0	0.0	0.0	0.0	–	0.0	0.0	0.0	–	–

TABLE 4. (cont.)

Parophrys vetulus (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	30.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
115.0	30.0	-	-	-	-	-	-	-	10.1	0.0	-	-	-
117.0	26.0	0.0	0.0	0.0	8.5	16.7	6.0	0.0	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	3.1	3.8	0.0	6.8	0.0	2.9	0.0	0.0	-	-
117.0	35.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	3.0	0.0	-	-	-
120.0	40.0	0.0	0.0	0.0	-	0.0	1.8	0.0	0.0	0.0	0.0	-	-
127.0	34.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	-	-

Pleuronichthys spp.

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	33.0	-	0.0	0.0	0.0	0.0	0.0	-	21.1	0.0	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	8.1	0.0	0.0	3.1	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	72.0	0.0	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-
123.0	37.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

Pleuronichthys coenosus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	70.0	-	-	-	-	0.0	0.0	3.8	-	-	-	-	-
77.0	55.0	-	-	-	-	0.0	0.0	3.3	-	-	-	-	-
82.0	47.0	-	0.0	0.0	2.7	0.0	0.0	0.0	-	-	0.0	0.0	-
93.0	27.0	-	0.0	0.0	0.0	18.0	0.0	0.0	-	-	0.0	0.0	-
93.0	40.0	-	0.0	0.0	0.0	0.0	3.1	0.0	-	-	0.0	0.0	-

Pleuronichthys decurrens

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	50.0	-	0.0	0.0	27.5	0.0	0.0	0.0	-	-	0.0	0.0	-
87.0	55.0	-	0.0	-	-	0.0	0.0	0.0	-	-	0.0	2.6	-
93.0	65.0	-	-	-	-	0.0	3.7	0.0	-	-	-	-	-

Pleuronichthys ritteri

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	3.0	0.0	0.0	0.0	-	-
120.0	30.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	-	-

TABLE 4. (cont.)

Pleuronichthys verticalis

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	-	2.9	0.0	0.0	33.8	1.8	0.0	-	-	0.0	0.0	-
83.0	51.0	-	0.0	-	0.0	0.0	3.5	0.0	-	-	0.0	0.0	-
87.0	36.0	-	-	0.0	0.0	5.9	-	0.0	-	-	0.0	0.0	-
90.0	28.0	-	0.0	4.5	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	7.0	0.0	-	-	-	0.0	0.0
97.0	30.0	-	2.7	0.0	0.0	0.0	0.0	0.0	-	-	-	2.1	-
103.0	30.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	-	-	-	0.0	-
107.0	32.0	0.0	-	0.0	6.4	0.0	-	0.0	-	-	-	-	-
110.0	33.0	-	0.0	0.0	0.0	0.0	0.0	-	1.7	0.0	0.0	-	-
113.0	30.0	0.0	0.0	0.0	1.7	0.0	1.8	6.2	2.7	0.0	0.0	-	-
115.0	27.0	-	-	-	-	-	-	-	17.3	2.7	-	-	-
115.0	30.0	-	-	-	-	-	-	-	3.4	0.0	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	6.7	0.0	13.6	38.0	5.3	0.0	-	-
117.0	30.0	0.0	0.0	0.0	11.5	9.3	20.3	0.0	5.9	0.0	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	0.0	2.5	-	-	-
119.0	33.0	-	-	13.0	0.0	0.0	13.7	0.0	0.0	0.0	0.0	-	-
120.0	25.0	0.0	6.0	0.0	0.0	7.4	2.5	3.0	0.0	0.0	0.0	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	3.3	0.0	0.0	-	-
120.0	40.0	0.0	0.0	0.0	-	0.0	1.8	0.0	0.0	0.0	0.0	-	-
120.0	45.0	0.0	0.0	-	-	0.0	6.4	0.0	0.0	0.0	0.0	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	-	-

Psettichthys melanostictus

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	80.0	-	-	-	-	0.0	5.8	-	-	-	-	-	-
82.0	47.0	-	0.0	5.5	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
83.0	48.0	-	-	10.1	-	-	-	-	-	-	-	-	-
87.0	50.0	-	0.0	35.0	0.0	1.8	0.0	0.0	-	-	0.0	0.0	-

Symphurus 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	0.0	-	-	3.0	0.0	-
90.0	30.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.4	0.0	0.0
107.0	35.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-	2.6	-	-
110.0	33.0	-	0.0	0.0	0.0	0.0	0.0	-	4.8	0.0	0.0	-	-
110.0	35.0	-	0.0	0.0	0.0	0.0	0.0	-	2.9	3.5	0.0	-	-
110.0	45.0	-	-	-	0.0	0.0	0.0	-	3.2	-	-	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	0.0	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	25.0	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	0.0	-	-
115.0	27.0	-	-	-	-	-	-	-	46.2	8.0	-	-	-

TABLE 4. (cont.)

Symphurus spp. (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
115.0	30.0	–	–	–	–	–	–	–	20.3	6.2	–	–	–
115.0	35.0	–	–	–	–	–	–	–	0.0	23.4	–	–	–
115.0	40.0	–	–	–	–	–	–	–	3.1	19.3	–	–	–
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.3	18.6	15.1	–	–
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	126.0	0.0	2.3	–	–
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.2	3.0	7.2	–	–
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	33.0	0.0	–	–
118.5	25.0	–	–	–	–	–	–	–	51.3	15.2	–	–	–
118.5	30.0	–	–	–	–	–	–	–	25.5	37.5	–	–	–
118.5	35.0	–	–	–	–	–	–	–	18.7	–	–	–	–
119.0	33.0	–	–	0.0	0.0	0.0	0.0	0.0	174.0	95.4	10.4	–	–
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.4	3.2	2.5	–	–
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	33.4	61.8	38.0	–	–
120.0	35.0	0.0	4.9	0.0	0.0	0.0	0.0	2.9	10.7	77.7	18.2	–	–
120.0	40.0	0.0	0.0	0.0	–	0.0	0.0	1.9	77.1	8.9	0.0	–	–
120.0	45.0	0.0	0.0	–	–	0.0	0.0	0.0	11.7	0.0	0.0	–	–
120.0	50.0	0.0	0.0	–	0.0	0.0	0.0	0.0	–	–	5.4	–	–
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	–	–
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	–	–
123.0	45.0	–	–	–	–	–	–	–	9.1	0.0	–	–	–
123.0	50.0	0.0	0.0	0.0	0.0	–	0.0	0.0	–	–	2.5	–	–
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8	0.0	0.0	–	–
127.0	45.0	–	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	0.0	0.0	0.0	8.0	2.6	0.0	–	–
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7	0.0	0.0	–	–
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	5.3	–	–
130.0	45.0	–	–	–	–	–	0.0	0.0	10.8	0.0	–	–	–
130.0	70.0	–	–	–	0.0	–	–	0.0	–	–	3.0	–	–
133.0	25.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	13.0	3.0	0.0	–	–
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.1	21.2	0.0	–	–
133.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	–	–	6.1	–	–
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3	21.8	–	–
137.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	19.7	0.0	–	–
137.0	35.0	0.0	0.0	0.0	–	–	0.0	0.0	–	–	3.7	–	–
157.0	25.0	–	–	–	0.0	–	5.5	–	–	–	–	–	–
157.0	30.0	–	5.9	–	0.0	–	0.0	–	–	–	–	–	–

Disintegrated fish larva

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	–	–	–	–	0.0	3.1	0.0	–	–	–	–	–
63.0	90.0	–	–	–	–	–	3.6	–	–	–	–	–	–
67.0	70.0	–	–	–	–	4.1	3.1	0.0	–	–	–	–	–
70.0	80.0	–	–	–	–	0.0	12.8	–	–	–	–	0.0	–
73.0	90.0	–	–	–	–	–	3.4	–	–	–	–	–	–

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
77.0	55.0	-	-	-	-	0.0	0.0	3.3	-	-	-	-	-
80.0	51.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.8	-	0.0
80.0	55.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	3.1	0.0
80.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	7.3
80.0	70.0	-	0.0	0.0	25.8	0.0	0.0	0.0	-	-	0.0	0.0	0.0
80.0	90.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.9	-	0.0
82.0	47.0	-	0.0	0.0	5.4	0.0	0.0	0.0	-	-	0.0	0.0	-
83.0	40.0	-	0.0	0.0	7.9	0.0	0.0	0.0	-	-	0.0	0.0	-
83.0	43.0	-	0.0	2.8	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
83.0	51.0	-	0.0	-	0.0	0.0	3.5	2.4	-	-	0.0	0.0	-
83.0	55.0	-	-	-	-	0.0	0.0	2.8	-	-	-	0.0	-
83.0	60.0	-	0.0	5.9	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
83.0	65.0	-	-	-	-	-	0.0	6.6	-	-	-	-	-
83.0	70.0	-	-	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
83.0	90.0	-	-	-	0.0	0.0	3.0	-	-	-	5.3	-	0.0
86.0	46.0	-	16.4	-	4.9	-	-	-	-	-	-	-	-
87.0	40.0	-	0.0	0.0	9.7	0.0	0.0	-	-	-	0.0	0.0	-
87.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	3.8	-
87.0	80.0	-	-	-	0.0	0.0	3.1	-	-	-	0.0	-	-
90.0	28.0	-	0.0	0.0	4.7	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	30.0	-	0.0	66.6	0.0	1.9	0.0	0.0	-	-	0.0	0.0	0.0
90.0	37.0	-	0.0	48.2	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	45.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	1.3	0.0	0.0
90.0	60.0	-	0.0	5.7	0.0	0.0	0.0	0.0	-	-	0.0	0.0	0.0
90.0	70.0	-	0.0	11.2	5.8	0.0	0.0	0.0	-	-	0.0	-	0.0
90.0	90.0	-	0.0	0.0	6.6	0.0	0.0	0.0	-	-	0.0	-	0.0
93.0	30.0	-	5.3	8.9	0.0	2.0	0.0	0.0	-	-	0.0	0.0	-
93.0	40.0	-	0.0	0.0	20.0	0.0	0.0	0.0	-	-	0.0	0.0	-
93.0	45.0	-	-	-	24.7	0.0	0.0	0.0	-	-	-	0.0	-
93.0	50.0	-	12.4	0.0	0.0	0.0	0.0	2.8	-	-	-	0.0	-
93.0	60.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	3.1	-
93.0	80.0	-	-	-	-	2.7	0.0	5.2	-	-	-	0.0	-
97.0	30.0	-	2.7	0.0	0.0	0.0	0.0	4.0	-	-	-	0.0	-
97.0	40.0	-	6.2	6.2	0.0	0.0	0.0	2.3	-	-	-	0.0	-
97.0	65.0	-	-	-	-	5.8	3.5	0.0	-	-	-	-	-
97.0	70.0	-	0.0	-	2.8	0.0	0.0	0.0	-	-	-	0.0	-
97.0	75.0	-	-	-	-	0.0	3.1	0.0	-	-	-	-	-
97.0	90.0	-	-	-	0.0	0.0	0.0	2.5	-	-	-	3.1	-
100.0	29.0	-	6.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-
100.0	40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	2.8	0.0
100.0	65.0	-	-	-	-	3.0	0.0	0.0	-	-	-	-	-
100.0	70.0	-	0.0	-	1.8	0.0	0.0	-	-	-	-	0.0	-
100.0	75.0	-	-	-	-	2.3	0.0	0.0	-	-	-	-	-
100.0	85.0	-	-	-	-	0.0	3.1	-	-	-	-	-	-
103.0	45.0	-	-	-	3.1	0.0	0.0	0.0	-	-	-	-	-
103.0	50.0	3.0	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.
103.0	60.0	0.0	0.0	-	0.0	0.0	0.0	16.0	-	-	-	0.0	-
103.0	70.0	-	0.0	6.2	3.2	0.0	0.0	0.0	-	-	-	3.3	-
103.0	80.0	-	-	-	3.0	10.3	0.0	-	-	-	-	0.0	-
103.0	85.0	-	-	-	-	0.0	3.3	-	-	-	-	-	-
107.0	35.0	0.0	-	0.0	0.0	0.0	3.4	3.5	-	-	0.0	-	-
107.0	40.0	2.9	0.0	0.0	0.0	0.0	3.4	0.0	-	-	0.0	-	-
107.0	45.0	-	-	-	0.0	3.0	0.0	3.2	-	-	-	-	-
107.0	50.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	4.3	-	-
107.0	55.0	-	-	-	0.0	2.1	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	0.0	3.5	0.0	0.0	6.8	-	-	0.0	-	3.7
107.0	65.0	-	-	-	-	0.0	0.0	3.4	-	-	-	-	-
107.0	70.0	-	0.0	0.0	0.0	4.7	0.0	0.0	-	-	0.0	-	-
107.0	75.0	-	-	-	-	0.0	0.0	3.3	-	-	-	-	-
107.0	85.0	-	-	-	-	7.1	0.0	0.0	-	-	-	-	-
107.0	90.0	-	-	-	0.0	2.9	0.0	27.3	-	-	-	-	-
110.0	33.0	-	0.0	0.0	0.0	0.0	0.0	-	1.7	7.3	0.0	-	-
110.0	35.0	-	0.0	0.0	0.0	0.0	0.0	-	4.4	0.0	2.5	-	-
110.0	40.0	0.0	0.0	6.6	0.0	0.0	0.0	-	1.5	0.0	0.0	-	-
110.0	45.0	-	-	-	0.0	0.0	0.0	-	3.2	-	-	-	-
110.0	50.0	0.0	0.0	7.5	0.0	0.0	3.0	-	0.0	-	0.0	-	-
110.0	55.0	-	-	-	0.0	6.3	0.0	-	0.0	-	-	-	-
110.0	60.0	0.0	0.0	0.0	0.0	3.0	3.0	-	0.0	-	0.0	-	-
110.0	65.0	-	-	-	-	0.0	0.0	-	4.3	-	-	-	-
110.0	70.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	-	3.3	-	0.0
110.0	80.0	-	0.0	-	0.0	0.0	0.0	-	3.4	-	0.0	-	-
110.0	90.0	-	0.0	-	0.0	0.0	2.4	-	0.0	-	-	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	8.4	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	2.9	3.1	-	-
113.0	45.0	-	-	-	2.8	2.7	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	-	-	2.4	-	-
113.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	-	-	0.0	-	-
115.0	27.0	-	-	-	-	-	-	-	5.8	0.0	-	-	-
115.0	35.0	-	-	-	-	-	-	-	0.0	5.8	-	-	-
117.0	26.0	0.0	9.4	0.0	2.8	0.0	0.0	0.0	0.0	8.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	3.8	0.0	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	9.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-
117.0	45.0	-	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-
117.0	60.0	2.7	0.0	0.0	0.0	3.1	0.0	0.0	-	-	0.0	-	-
117.0	65.0	-	-	-	-	0.0	0.0	3.7	-	-	-	-	-
117.0	75.0	-	-	-	-	0.0	5.6	0.0	-	-	-	-	-
118.5	25.0	-	-	-	-	-	-	-	9.1	0.0	-	-	-
118.5	30.0	-	-	-	-	-	-	-	3.2	0.0	-	-	-
118.5	35.0	-	-	-	-	-	-	-	6.2	-	-	-	-
119.0	33.0	-	-	0.0	0.0	0.0	0.0	0.0	5.8	0.0	5.2	-	-

TABLE 4. (cont.)

Disintegrated fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	25.0	0.0	11.9	0.0	0.0	0.0	7.6	0.0	5.9	0.0	2.5	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	6.0	0.0	-	-
120.0	40.0	0.0	0.0	0.0	-	1.5	0.0	1.9	8.1	0.0	0.0	-	-
120.0	45.0	2.8	0.0	-	-	0.0	12.8	0.0	2.9	0.0	0.0	-	-
120.0	50.0	0.0	2.8	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	60.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	70.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
120.0	75.0	-	-	-	-	2.5	0.0	0.0	-	-	-	-	-
120.0	80.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.9	-	-
120.0	90.0	-	-	-	-	-	3.0	-	-	-	3.0	-	-
123.0	37.0	2.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	42.0	2.8	0.0	0.0	0.0	0.0	6.2	3.1	3.3	0.0	0.0	-	-
123.0	45.0	-	-	-	-	-	-	-	6.1	0.0	-	-	-
123.0	70.0	-	-	-	0.0	-	-	0.0	-	-	3.1	-	-
123.0	80.0	-	-	-	4.9	-	-	0.0	-	-	3.0	-	-
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	-	-
127.0	50.0	0.0	2.6	0.0	0.0	-	0.0	0.0	-	-	0.0	-	-
127.0	60.0	0.0	2.7	0.0	0.0	-	0.0	0.0	-	-	0.0	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.1	0.0	-	-
130.0	45.0	-	-	-	-	-	0.0	5.9	2.7	3.0	-	-	-
130.0	50.0	0.0	6.0	3.4	0.0	0.0	0.0	3.1	-	-	0.0	-	-
130.0	70.0	-	-	-	0.0	-	-	0.0	-	-	3.0	-	-
130.0	80.0	-	-	-	0.0	-	-	0.0	-	-	3.9	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	3.5	0.0	-	-
133.0	40.0	2.7	0.0	2.9	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	10.4	18.2	6.6	0.0	-	-
137.0	40.0	-	0.0	0.0	9.5	-	0.0	0.0	-	-	0.0	-	-
150.0	40.0	-	0.0	0.0	13.0	-	-	-	-	-	-	-	-
157.0	15.0	-	-	-	2.8	-	6.6	-	-	-	-	-	-

Unidentified fish larva

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	60.0	-	0.0	0.0	0.0	0.0	0.0	6.4	-	-	0.0	0.0	0.0
80.0	70.0	-	0.0	0.0	0.0	0.0	0.0	14.9	-	-	0.0	0.0	0.0
80.0	90.0	-	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	0.0
82.0	47.0	-	0.0	2.8	0.0	0.0	0.0	2.6	-	-	0.0	0.0	-
83.0	40.0	-	0.0	0.0	0.0	0.0	7.2	0.0	-	-	0.0	0.0	-
83.0	43.0	-	0.0	0.0	0.0	0.0	2.6	0.0	-	-	0.0	0.0	-
83.0	51.0	-	0.0	-	0.0	0.0	3.5	2.4	-	-	0.0	0.0	-
83.0	55.0	-	-	-	-	0.0	0.0	11.4	-	-	-	0.0	-
87.0	45.0	-	-	0.0	-	13.9	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.
87.0	50.0	-	3.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	-
87.0	60.0	-	0.0	0.0	0.0	0.0	0.0	2.7	-	-	0.0	0.0	-
93.0	27.0	-	11.5	0.0	0.0	0.0	7.4	2.1	-	-	0.0	0.0	-
93.0	70.0	-	0.0	0.0	0.0	8.1	0.0	0.0	-	-	-	0.0	-
97.0	32.0	-	417.8	-	0.0	0.0	0.0	0.0	-	-	-	0.0	0.0
97.0	65.0	-	-	-	-	0.0	3.5	0.0	-	-	-	-	-
100.0	29.0	-	0.0	3.5	0.0	0.0	0.0	0.0	-	-	-	0.0	-
100.0	32.0	-	-	-	-	-	-	5.6	-	-	-	-	-
100.0	75.0	-	-	-	-	2.3	0.0	0.0	-	-	-	-	-
103.0	30.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	-	-	-	0.0	-
103.0	65.0	-	-	-	-	0.0	0.0	2.7	-	-	-	-	-
103.0	90.0	-	-	-	3.1	0.0	0.0	-	-	-	-	-	-
107.0	32.0	5.8	-	0.0	0.0	0.0	-	0.0	-	-	-	-	-
107.0	90.0	-	-	-	2.8	0.0	0.0	0.0	-	-	-	-	-
110.0	33.0	-	0.0	0.0	0.0	0.0	0.0	-	5.6	0.0	0.0	-	-
110.0	35.0	-	0.0	0.0	0.0	0.0	0.0	-	1.5	0.0	0.0	-	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	3.5	-	-
110.0	65.0	-	-	-	-	0.0	0.0	-	4.3	-	-	-	-
110.0	70.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	-	3.3	-	6.4
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.7	0.0	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.0	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	-	-
113.0	45.0	-	-	-	0.0	2.7	0.0	0.0	-	-	-	-	-
113.0	65.0	-	-	-	-	0.0	0.0	3.4	-	-	-	-	-
113.0	75.0	-	-	-	-	0.0	0.0	3.3	-	-	-	-	-
113.0	80.0	-	-	-	0.0	0.0	5.0	0.0	-	-	0.0	-	-
115.0	27.0	-	-	-	-	-	-	-	2.9	0.0	-	-	-
115.0	35.0	-	-	-	-	-	-	-	2.8	0.0	-	-	-
117.0	26.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	6.0	-	-
117.0	30.0	10.6	0.0	3.1	0.0	0.0	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	3.2	3.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	2.7	0.0	0.0	-	-
117.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.1	-	-
117.0	70.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	-	-	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	3.0	0.0	-	-	-
118.5	35.0	-	-	-	-	-	-	-	71.8	-	-	-	-
119.0	33.0	-	-	0.0	0.0	0.0	0.0	13.7	0.0	0.0	2.6	-	-
120.0	25.0	9.1	6.0	6.0	0.0	0.0	0.0	0.0	3.0	0.0	2.5	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.3	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	2.1	6.0	0.0	-	-
120.0	40.0	1.3	2.3	0.0	-	0.0	0.0	1.9	10.1	3.0	5.0	-	-
120.0	45.0	5.6	0.0	-	-	0.0	0.0	0.0	5.9	0.0	5.6	-	-
120.0	70.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-	-	0.0	-	-
120.0	80.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.9	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	5.4	-	-
123.0	50.0	0.0	0.0	0.0	0.0	-	0.0	5.8	-	-	0.0	-	-

TABLE 4. (cont.)

Unidentified fish larva (cont.)

STATION		JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	55.0	-	0.0	5.8	0.0	-	0.0	0.0	-	-	-	-	-
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	-	-
127.0	40.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	-	-
127.0	50.0	5.3	0.0	0.0	0.0	-	0.0	0.0	-	-	0.0	-	-
127.0	55.0	-	0.0	0.0	0.0	-	2.3	0.0	-	-	-	-	-
130.0	30.0	0.0	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	35.0	0.0	8.7	0.0	0.0	0.0	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	15.4	-	-	0.0	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	0.0	3.0	-	-
133.0	30.0	0.0	0.0	21.8	0.0	2.3	0.0	6.7	3.5	0.0	2.7	-	-
133.0	35.0	0.0	-	3.2	0.0	-	0.0	0.0	-	-	0.0	-	-
133.0	45.0	-	-	-	0.0	-	0.0	3.6	-	-	-	-	-
133.0	50.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.1	-	-
133.0	80.0	-	-	-	0.0	-	-	0.0	-	-	4.1	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	25.8	3.6	-	-
137.0	30.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	33.3	3.3	0.0	-	-
137.0	35.0	2.7	0.0	5.8	-	-	0.0	0.0	-	-	0.0	-	-
137.0	40.0	-	0.0	5.8	9.5	-	0.0	0.0	-	-	0.0	-	-
137.0	50.0	-	0.0	0.0	2.9	0.0	0.0	0.0	-	-	2.9	-	-
140.0	35.0	-	0.0	2.8	0.0	-	0.0	-	-	-	-	-	-
140.0	40.0	-	2.8	0.0	0.0	-	0.0	-	-	-	-	-	-
140.0	45.0	-	-	-	2.3	-	-	-	-	-	-	-	-
143.0	26.0	-	0.0	2.9	0.0	-	-	-	-	-	-	-	-
148.0	20.0	-	-	-	-	-	5.8	-	-	-	-	-	-
148.0	25.0	-	-	-	-	-	3.7	-	-	-	-	-	-
153.0	16.0	-	0.0	-	0.0	-	6.0	-	-	-	-	-	-
153.0	25.0	-	-	-	0.0	-	9.8	-	-	-	-	-	-
153.0	30.0	-	18.1	-	0.0	-	0.0	-	-	-	-	-	-
157.0	20.0	-	10.5	-	0.0	-	5.6	-	-	-	-	-	-
157.0	25.0	-	-	-	0.0	-	22.2	-	-	-	-	-	-
157.0	30.0	-	29.4	-	0.0	-	0.0	-	-	-	-	-	-
157.0	35.0	-	-	-	2.7	-	-	-	-	-	-	-	-
157.0	40.0	-	-	-	2.8	-	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 which were occupied twice in one month during 1957.

Station		Month
153.0	16.0	2
110.0	33.0	8
110.0	35.0	8
110.0	40.0	8
93.0	50.0	11
93.0	60.0	11
97.0	30.0	11
97.0	32.0	11
97.0	40.0	11
97.0	50.0	11
97.0	60.0	11

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