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## NOAA Technical Memorandum NMFS



SEPTEMBER 1987

### ICHTHYOPLANKTON AND STATION DATA FOR CALIFORNIA COOPERATIVE OCEANIC FISHERIES INVESTIGATIONS SURVEY CRUISES IN 1960

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## NOAA Technical Memorandum NMFS

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INVESTIGATIONS SURVEY CRUISES IN 1960**

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**NOAA-TM-NMFS-SWFC-88**

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## CONTENTS

	Page
List of Figures .....	iii
List of Tables .....	iv
Abstract .....	1
Introduction .....	1
Sampling Area and Pattern .....	2
Sampling Gear and Methods .....	3
Laboratory Procedures .....	4
Identification .....	5
Computer Entry and Editing .....	10
Species Summary .....	11
Explanation of Tables .....	12
Acknowledgments .....	13
Literature Cited .....	14
Figures .....	17
Tables .....	29
Index .....	249

## LIST OF FIGURES

		Page
Figure 1.	Composite arrangement of diagrammatic charts showing areas sampled on each CalCOFI cruise during 1960 .....	17
Figure 2.	Station pattern for CalCOFI Cruise 6001 showing tracks for each vessel .....	18
Figure 3.	Station pattern for CalCOFI Cruise 6002 .....	19
Figure 4.	Station pattern for CalCOFI Cruise 6003 .....	20
Figure 5.	Station pattern for CalCOFI Cruise 6004 .....	21
Figure 6.	Station pattern for CalCOFI Cruise 6005 .....	22
Figure 7.	Station pattern for CalCOFI Cruise 6006 .....	23
Figure 8.	Station pattern for CalCOFI Cruise 6007 .....	24
Figure 9.	Station pattern for CalCOFI Cruise 6008 .....	25
Figure 10.	Station pattern for CalCOFI Cruise 6009 .....	26
Figure 11.	Station pattern for CalCOFI Cruise 6010 .....	27
Figure 12.	The basic station plan for CalCOFI cruises from 1950 to the present .....	28

## LIST OF TABLES

		Page
Table 1.	Station and plankton tow data for CalCOFI cruises in 1960 .....	29
Table 2.	Pooled occurrences of fish larvae taken during CalCOFI cruises in 1960 .....	73
Table 3.	Pooled numbers of fish larvae taken during CalCOFI cruises in 1960 .....	77
Table 4.	Numbers of fish larvae taken on stations occupied during CalCOFI cruises in 1960 .....	81
Table 5.	Summary of pooled occurrences of fish larvae taken on CalCOFI cruises from 1951-1960 .....	244
Table 6.	List of stations with multiple occupancies in one month during 1960 .....	248





## 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 1960. It is the tenth report in a series that presents these data for all biological-oceanographic CalCOFI surveys from 1951 to the present. A total of 1814 stations was occupied during 10 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 158 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 tenth 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 1960. 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 1960 have been published in a number of forms. Hydrographic data (Univ. of Calif., SIO, 1961, 1962) and zooplankton volumes (Thraillkill, 1969; Smith, 1971) were presented in standard formats. Distributional maps of larvae of 5 taxa taken on CalCOFI surveys during 1960 are presented in the CalCOFI Atlas series: northern anchovy (*Engraulis mordax*), Kramer and Ahlstrom, 1968; jack mackerel (*Trachurus symmetricus*) and Pacific hake (*Merluccius productus*), Ahlstrom, 1969; Pacific sardine (*Sardinops sagax*), Kramer, 1970; rockfish (*Sebastes* spp.), Ahlstrom et al., 1978. Other atlases provided distribution maps of 6 mesopelagic fish larvae (Ahlstrom, 1972) and 8 flatfish taxa (Ahlstrom and Moser, 1975) taken during 1960.

A computer data base for eggs and larvae of sardine and anchovy and for larvae of hake, and jack and Pacific 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 1960 were subjected to an extensive verification and editing process to produce this report. This and previous (Ambrose et al., 1987 a,b; Sandknop et al., 1987 a,b; Stevens et al., 1987 a,b,c; Sumida et al., 1987 a,b) 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 1960, CalCOFI survey cruises were conducted at monthly intervals, except for November and December. A total of 1814 stations included in this data base was occupied on 10 cruises, with an average of 181 stations per cruise (range 41-333). Coverage of the survey station pattern varied among cruises and the entire quarter-million square mile survey area was not covered on any single cruise (Figures 1-11, Table 1). The area off northern California (lines 40-57) was covered on only two cruises (January, April); two stations (50,55) were occupied on line 50 in July. Coverage off central California (lines 60-77) was more consistent with all major lines occupied in January,

April, and October; only two lines were occupied in this region in February, March, and May-July. The area between Pt. Conception, California and Pt. San Juanico, Baja California (lines 80-137) was surveyed on all cruises; only lines 103-121 were occupied in August. The area off southern Baja California (lines 140-157) was surveyed in January and April. Coverage extended seaward to station 200 (approximately 600-700 miles offshore) on lines 60-90 (Cruises 6007, 6010) but typically did not extend beyond station 100 (approximately 200-300 miles offshore)<sup>1</sup>.

Five vessels were employed on these cruises: the *Black Douglas* and *Hugh M. Smith*, of NMFS, and the *Horizon*, *Orca*, and *Spencer F. Baird* of SIO. Two to three vessels participated on each cruise with two being the average number. The *Black Douglas* was used on all cruises. The other four vessels participated on a total of 11 cruises (Univ. of Calif., SIO, 1961, 1962).

### SAMPLING GEAR AND METHODS

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

The standard tow from 1951 through 1968 was an oblique haul to 140 m depth (to 15 m of the bottom in shallow areas) designed to filter a constant amount of water per depth interval (ca. 3m<sup>3</sup>/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

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<sup>1</sup>CalCOFI lines (Figure 12) 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).

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° ( $\pm 3^\circ$ ) 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 1960 are listed in Thrailkill (1969) 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<sup>2</sup> 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 1960 are listed in Table 1 under the "Percent Sorted" column.

A "standard haul factor" (SHF) was calculated for each tow to make them comparable and allow estimations of areal abundance. This factor adjusts the number of eggs or larvae in a haul to the number in 10 m<sup>3</sup> 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<sup>2</sup> of sea surface. The SHF is calculated for each haul by the formula:

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<sup>2</sup>Personal communication, James R. Thrailkill, National Marine Fisheries Service, Southwest Fisheries Center, La Jolla, CA.

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

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

V = total volume of water (m<sup>3</sup>) 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<sup>2</sup>) 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 1960. 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 156 taxa was identified for 1960, with 82 taken to species, 33 to genus, 34 to family, and 7 to order or suborder. Some of the developmental series recognized at the time of initial identification could not be assigned scientific names, particularly in the Bathylagidae, Myctophidae, and Pleuronectiformes. These were given descriptive names, which later were changed to scientific names as they became known.

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

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

Next, statistical, seasonal, and geographic outliers were identified, employing a series of graphic summaries and listings. Examination of geographic outliers proved to be especially effective because of our accumulated knowledge of species distributions. In the course of examining samples for these outliers, other identification errors were discovered and eventually all taxa were scrutinized to some extent. Lastly, certain taxa were reexamined in all samples for the entire CalCOFI time series. These taxa were selected because of their commercial, ecological, phylogenetic, or zoogeographic importance or because taxonomic confusion was at the ordinal level. The following is a list of the taxa for 1960 which received special attention, with explanations and caveats intended to aid in quantitative interpretations:

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

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

Engraulidae - includes nearshore taxa (mostly *Anchoa* spp.) large enough to separate from *Engraulis mordax*. Some nearshore samples of small *E. mordax* may contain other anchovy genera, but could not be differentiated.

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

*Bathylagus milleri* - all specimens checked.

Osmeridae - all specimens checked.

- Sternoptychidae - tentative and sporadic identifications of hatchetfishes to genus were lumped to family.
- Bathophilus* spp. - all specimens checked.
- Tactostoma macropus* - all specimens checked.
- Myctophiformes - all specimens checked.
- Scopelarchidae - tentative and sporadic identifications to genus lumped to family.
- Lampanyctus* spp. - tentative and sporadic identifications to species (mostly descriptive types) lumped to genus; identification of *L. regalis* and *L. ritteri* began in 1954.
- Lampanyctus regalis* - underrepresented because of inability to differentiate small larvae (<5 mm) from those of other species of the genus; counts may include other species of the genus because of difficulty in identifying larvae of this large and complex genus.
- Lampanyctus ritteri* - comment for *L. regalis* applies to this species.
- Stenobranchius leucopsarus* - all specimens south of line 120 checked.
- Diogenichthys atlanticus* - all specimens at margins of range checked.
- Diogenichthys laternatus* - all specimens at margins of range checked.
- Electrona rissoi* - recognition of this species was inconsistent and others may be included in *Protomyctophum crockeri* or Myctophidae.
- Hygophum* spp. - all specimens reidentified to species; residuals are small, poorly preserved specimens.
- Myctophum aurolaternatum* - specimens checked; originally called "Astronesthidae".
- Protomyctophum crockeri* - some samples on northern lines may contain *P. thompsoni*, which was not identified at the time.
- Symbolophorus californiensis* - all specimens south of line 120 checked for confusion with *Hygophum* spp., stemming from descriptive names.
- Bregmaceros* spp. - all gadiform types (see Index), except *Merluccius productus* and Macrouridae, reexamined.

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

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

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

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

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

*Oxylebius pictus* - all specimens checked.

*Zaniolepis* spp. - all specimens checked.

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

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.
- Mugil* spp. - all specimens checked.
- Apogonidae - all specimens checked.
- Carangidae - all specimens checked; tentative and sporadic identifications to genus or species (except *Trachurus symmetricus*, *Seriola* spp., and *Seriola lalandi*) were lumped to family.
- Seriola* spp. - checked; probably *S. rivoliana*.
- Seriola lalandi* - all specimens checked.
- Gerreidae - tentative and sporadic identifications to genus were lumped to family.
- Haemulidae - tentative and sporadic identifications to genus lumped to family.
- Girella nigricans* - all specimens checked.
- Medialuna californiensis* - all specimens checked.
- Caulolatilus princeps* - all specimens checked.
- Sciaenidae - tentative and sporadic identifications to genus lumped to family.
- Scombridae - all larvae identified to this family or constituent taxa (except *Scomber japonicus*) were reexamined and re-assigned; underrepresentation or absence of these taxa may be attributed to misidentification or they may be in the unidentified fish larva category; most specimens of scombrid taxa (except *S. japonicus*) from 1960 were missing from archived collection and were lumped to family.
- Nomeidae - tentative identifications to genus lumped to family.
- 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 those not assigned to *H. stomata* were left at the genus (probably are *H. tetrophthalmus*).
- Paralichthys* spp. - all specimens of this genus were examined and most were assigned to *P. californicus* or *Xystreureys liolepis*.
- Syacium ovale* - all specimens examined (originally called "spiny-headed bothid").
- Xystreureys 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.
- Psettichthys melanostictus* - all specimens examined.

#### COMPUTER ENTRY AND EDITING

Each taxon on the original identification sheets was given a 3-digit code based on the list of codes in Haight et al. (1979). Taxon codes and counts from these sheets were keypunched by cruise and station, along with pertinent station and tow data and entered into the VAX 11/780 computer at the University of California, San Diego Computing Center. After entries were completed for an entire year, print-out listings of taxa and counts on each station were compared with the original data sheets to eliminate keypunch errors. Next, data in the file were cross-checked with data on an existing file which contained: station and tow data; numbers of eggs of sardine, anchovy, and saury (*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 58% of all fish larvae taken on CalCOFI cruises during 1960 and numbered eight times as many as the gonostomatid *Vinciguerria lucetia*, the next most abundant species with 7% of the total larvae (Table 2, 3). Northern anchovy also ranked first in incidence; *V. lucetia* ranked 3rd. The next most abundant species was Pacific hake, *Merluccius productus*, with 6.6% of total larvae; it ranked 7th in occurrence. A deepsea smelt, *Leuroglossus stilbius*, ranked 4th in abundance (5.9%) and 5th in incidence. The myctophid *Triphoturus mexicanus* ranked 5th in abundance, but ranked 2nd in occurrence suggesting relatively small sample sizes. Larvae of *Sebastes* spp., a composite of about 70 species, ranked 6th in abundance and 4th in incidence. Another myctophid, *Stenobrachius leucopsarus*, also ranked in the top ten in both abundance (7th) and occurrence (9th). Pacific sardine (*Sardinops sagax*), jack mackerel (*Trachurus symmetricus*), and the lanternfish *Diogenichthys laternatus* completed the ten most abundant taxa ranking 8th, 9th, and 10th respectively; however, none of these taxa ranked in the top ten in occurrence (24th, 14th, 16th respectively) suggesting relatively large sample sizes. These 10 top-ranking taxa contributed 90.5% of all larvae taken during 1960. The remaining 9.5% is represented by 146 taxa plus the unidentified and disintegrated categories. Of the 10 taxa, 5 were midwater species, 2 were coastal demersal species or generic groupings, and 3 were coastal pelagic species.

## EXPLANATION OF TABLES

- Table 1 - This table lists by cruise the pertinent station and tow data for 1960, 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 2-11). Stations are designated by two groups of digits; the first set indicates the line and decimal fraction and the second set indicates the station on the line. Time is listed as Pacific Standard Time at the start of each tow in 24-hour designation. Methods for determining tow depth, volume of water strained, standard haul factor, and percent sorted were described in the methods section. The values for total fish eggs and larvae represent raw counts (unadjusted for percent sorted or standard haul factor). Ship codes are as follows: BD, *Black Douglas*; HS, *Hugh M. Smith*; HO, *Horizon*; OR, *Orca*; SB, *Spencer F. Baird*.
- Table 2 - This table lists pooled occurrences of all larval fish taxa taken during 1960 in ranked order.
- Table 3 - This table lists pooled counts of all larval fish taxa taken during 1960 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 1960.

## ACKNOWLEDGMENTS

Elbert Ahlstrom, Lois Hunter, David Kramer, and Elizabeth Stevens originally identified larvae from CalCOFI cruises of 1960. Ronald Whyte coded each larval fish taxon or type and Rita Ford entered them into the computer. Debby Snow efficiently assisted in all aspects of data editing and retrieval. Cindy Meyer, Larry Zins, and James Ryan provided programming assistance. Dorothy Roll designed the CalCOFI data acquisition system and provided data processing support. Ken Raymond, Roy Allen, and Henry Orr helped with graphics and production of the report. Lorraine Prescott and Diane Forsythe prepared the manuscript for printing. Paul Smith determined statistical outliers, provided assistance during geographical outlier checks and offered helpful suggestions throughout the project. Izadore Barrett, Director of the Southwest Fisheries Center and Reuben Lasker, Chief, Coastal Fisheries Resources Division, SWFC, provided the support critical to the completion of the project. James Thrailkill planned CalCOFI surveys and supervised cruises, data handling, and plankton sorting from 1949 to 1986 and is largely responsible for the high quality of these operations. Without the vision and direction of Elbert Ahlstrom and Elton Sette and the dedicated efforts of the many people who collected, processed, and analyzed the samples, this data base would not exist.

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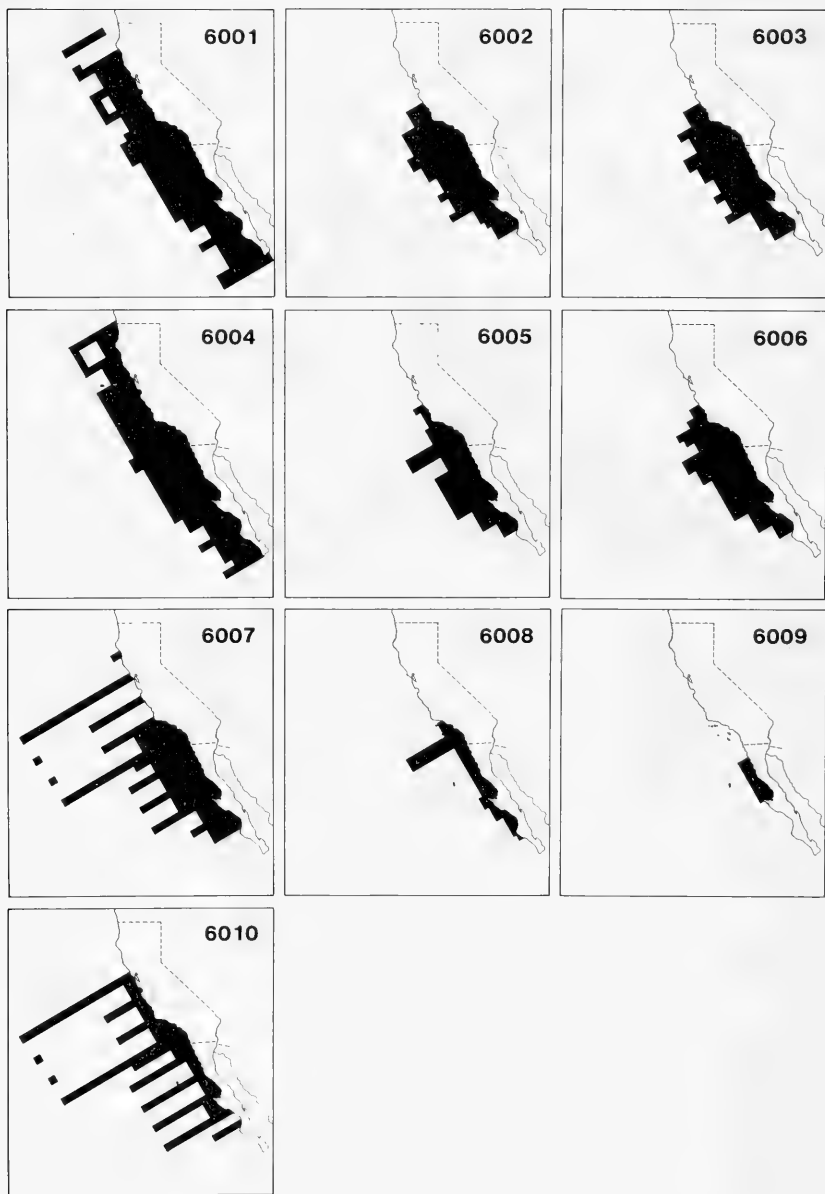


Figure 1. Composite arrangement of diagrammatic charts showing areas sampled on each CalCOFI cruise during 1960.

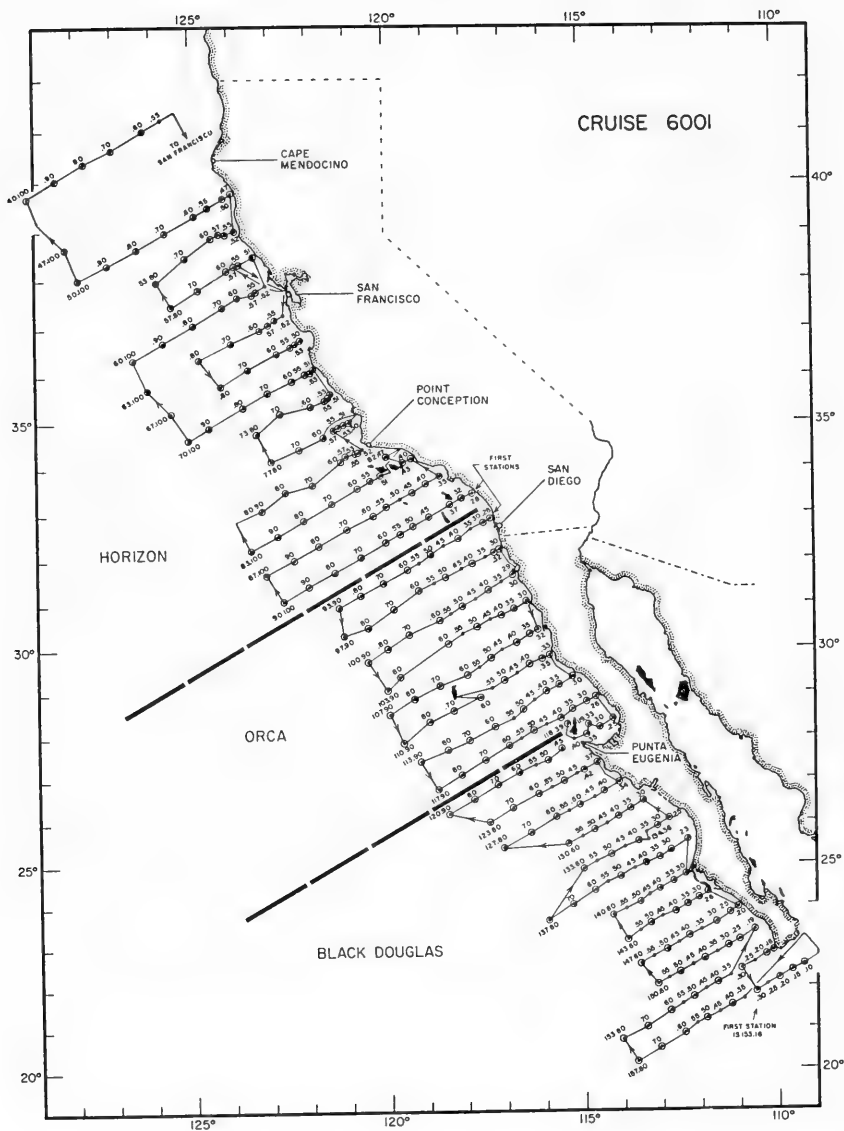


Figure 2. Station pattern for CalCOFI Cruise 6001 showing tracks for each vessel. Stations with plankton tows only are indicated by a dot; those with plankton tows and hydrographic measurements are shown by a dot and circle. Modified from charts in Univ. of Calif., SIO (1961, 1962) to include only those stations listed in Table 1 of this report.

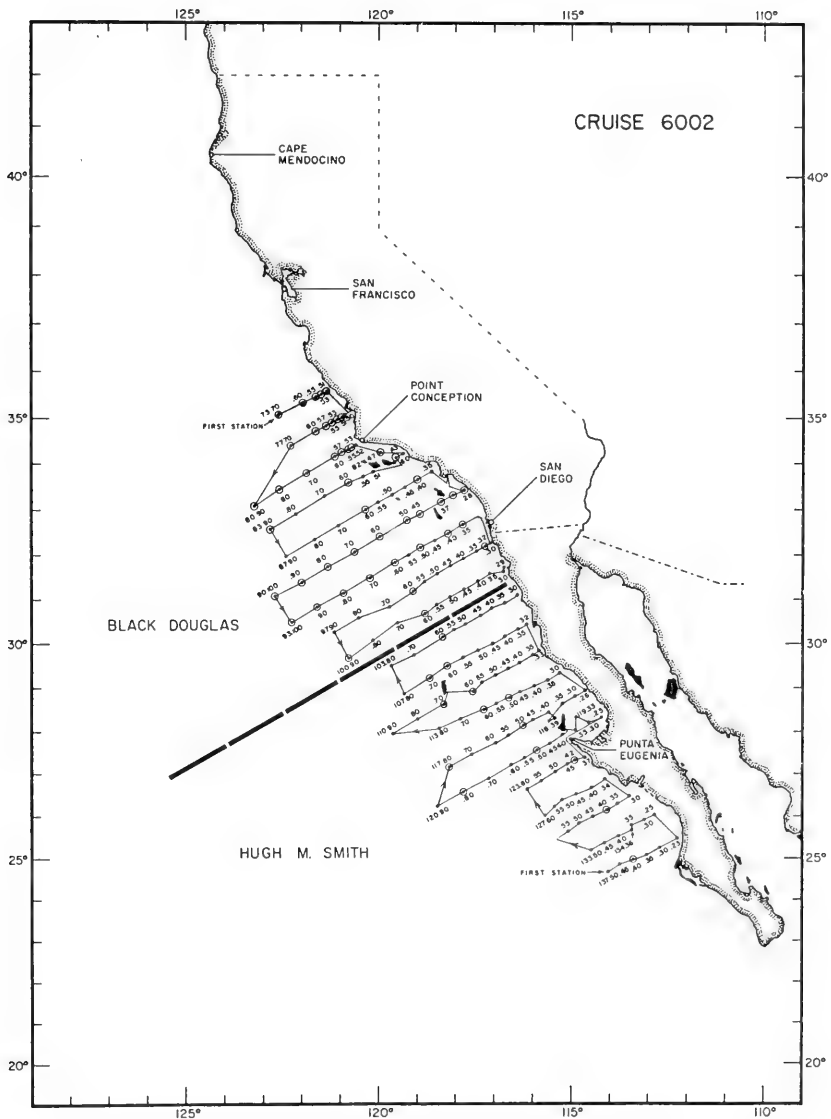


Figure 3. Station pattern for CalCOFI Cruise 6002. Symbols as in Figure 2.

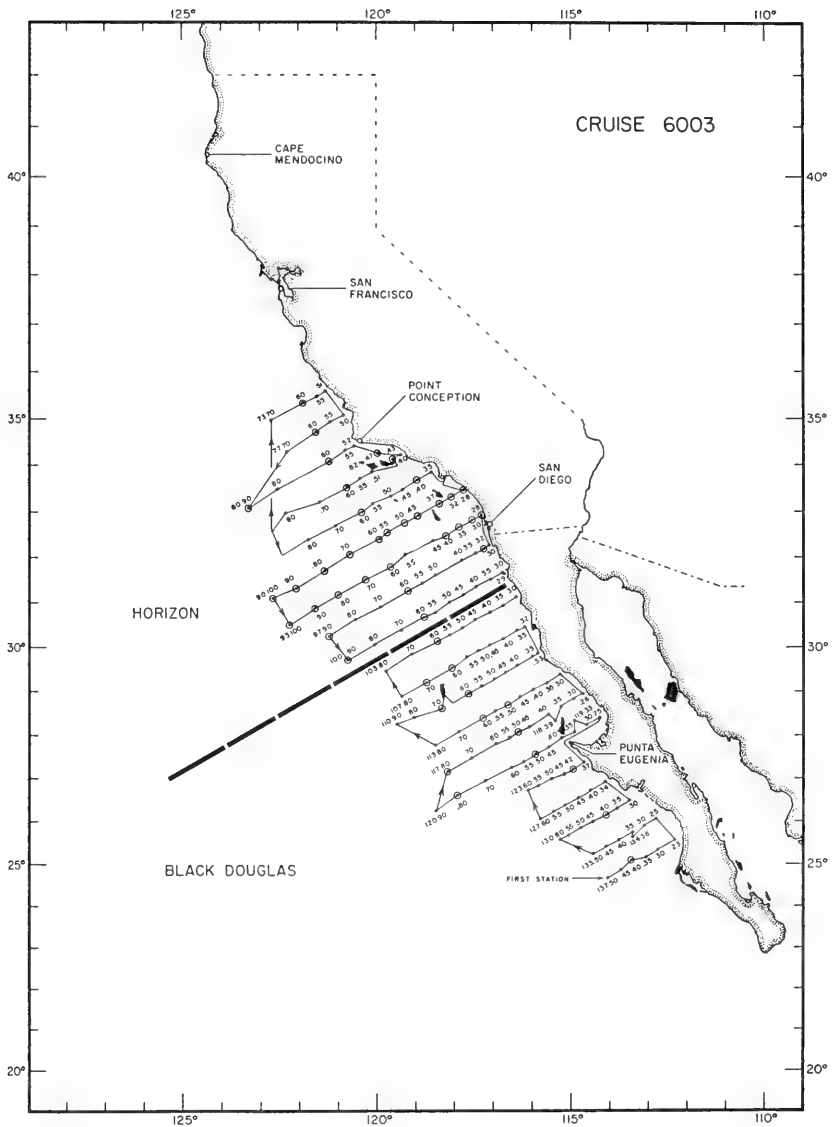


Figure 4. Station pattern for CalCOFI Cruise 6003. Symbols as in Figure 2.

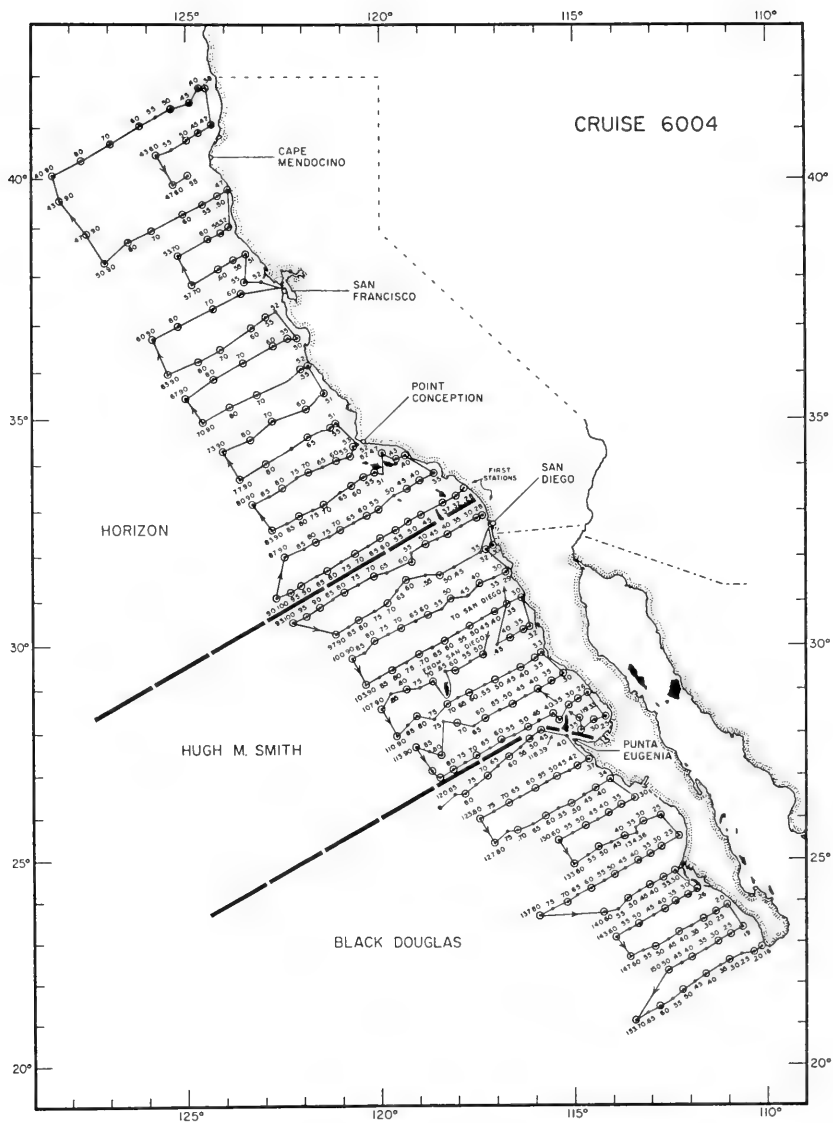


Figure 5. Station pattern for CalCOFI Cruise 6004. Symbols as in Figure 2.

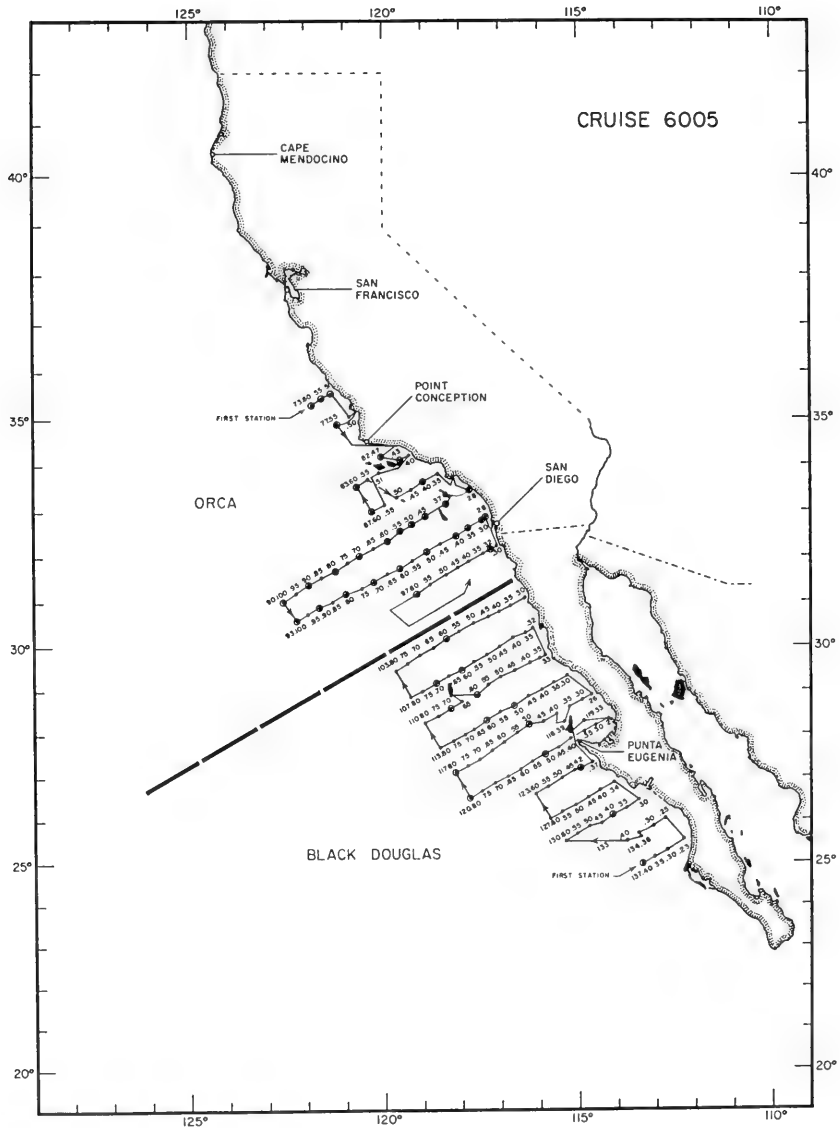


Figure 6. Station pattern for CalCOFI Cruise 6005. Symbols as in Figure 2.

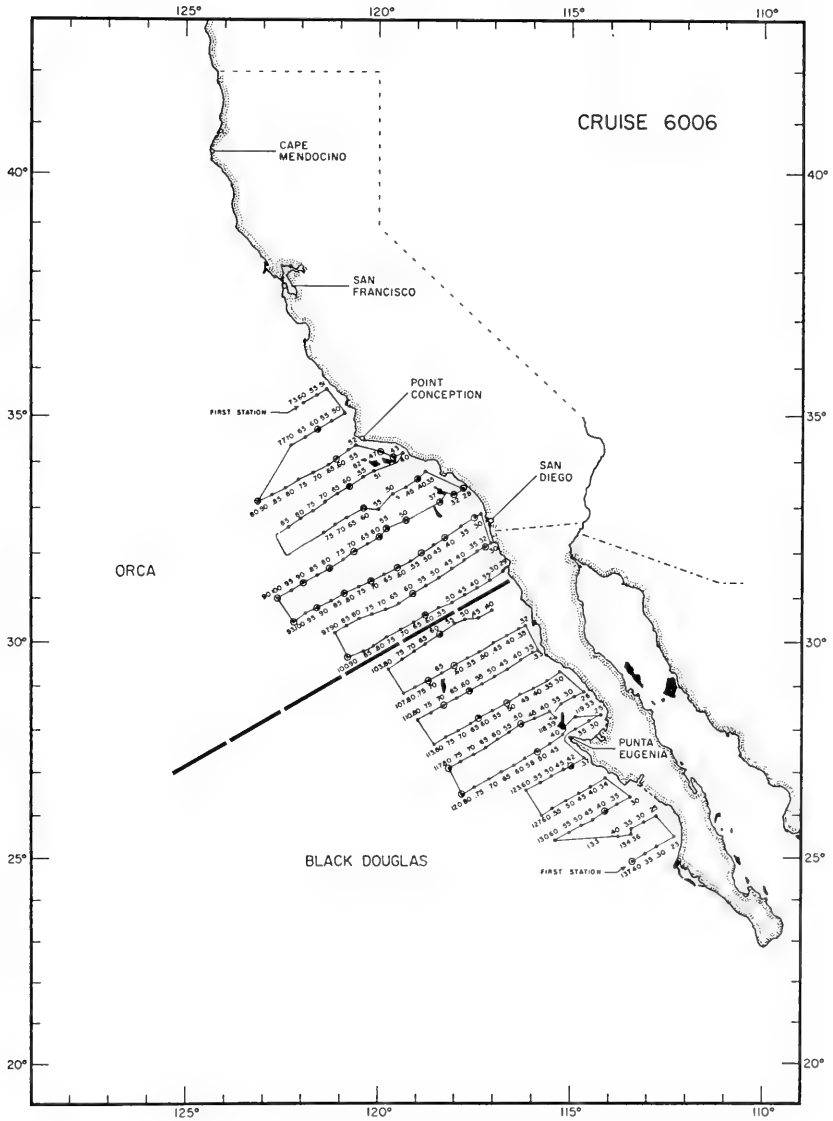


Figure 7. Station pattern for CalCOFI Cruise 6006. Symbols as in Figure 2.

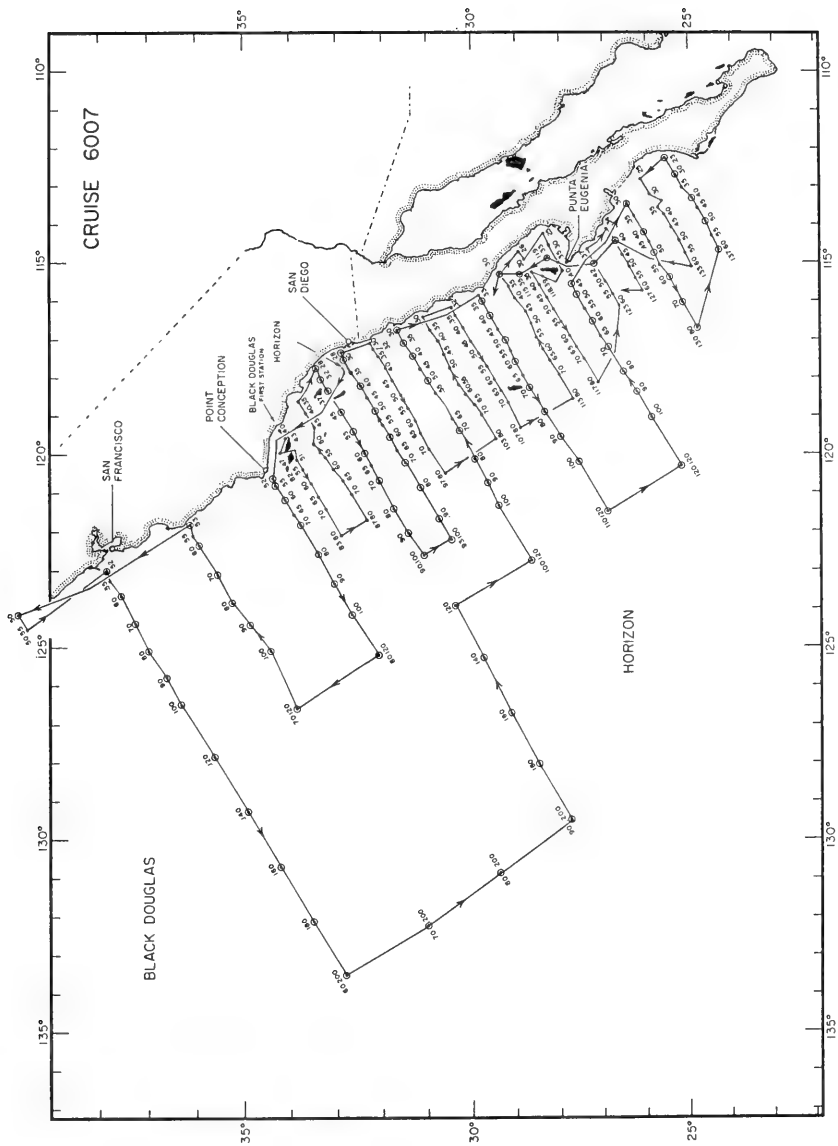


Figure 8. Station pattern for CalCOFI Cruise 6007. Symbols as in Figure 2.



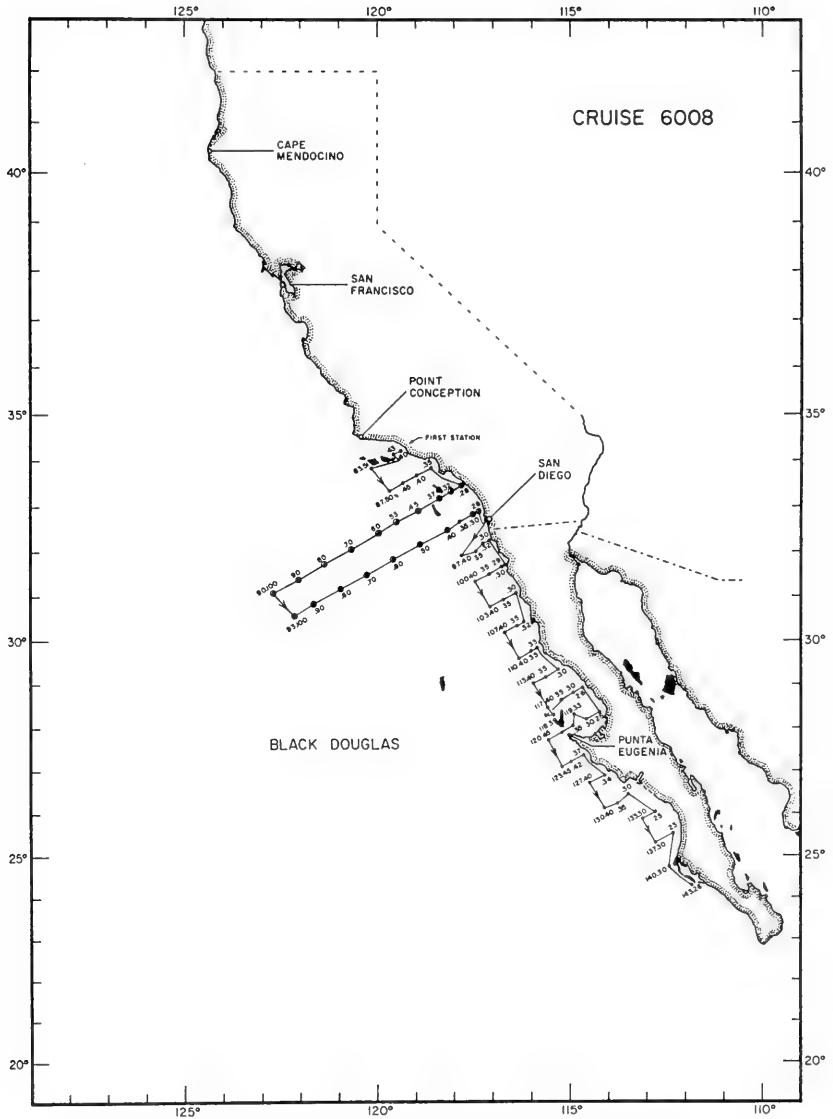


Figure 9. Station pattern for CalCOFI Cruise 6008. Symbols as in Figure 2.

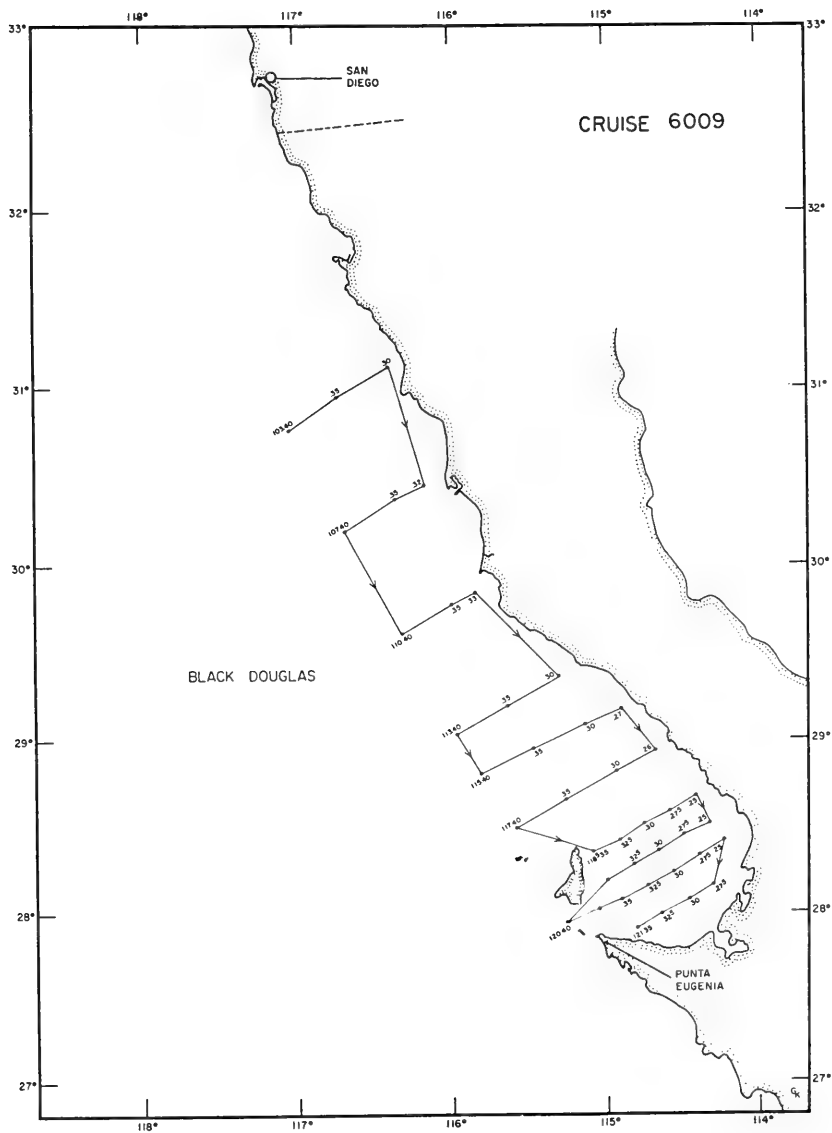


Figure 10. Station pattern for CalCOFI Cruise 6009. Symbols as in Figure 2.

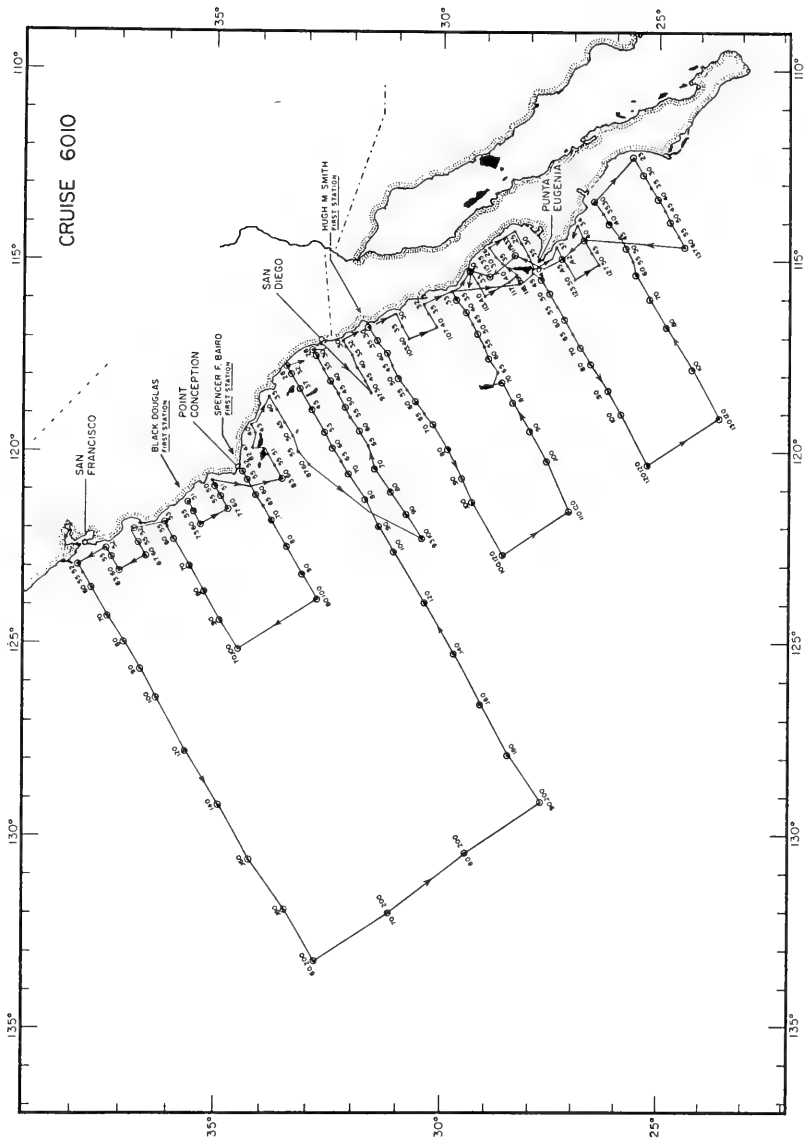


Figure 11. Station pattern for CalCOFI Cruise 6010. Symbols as in Figure 2.

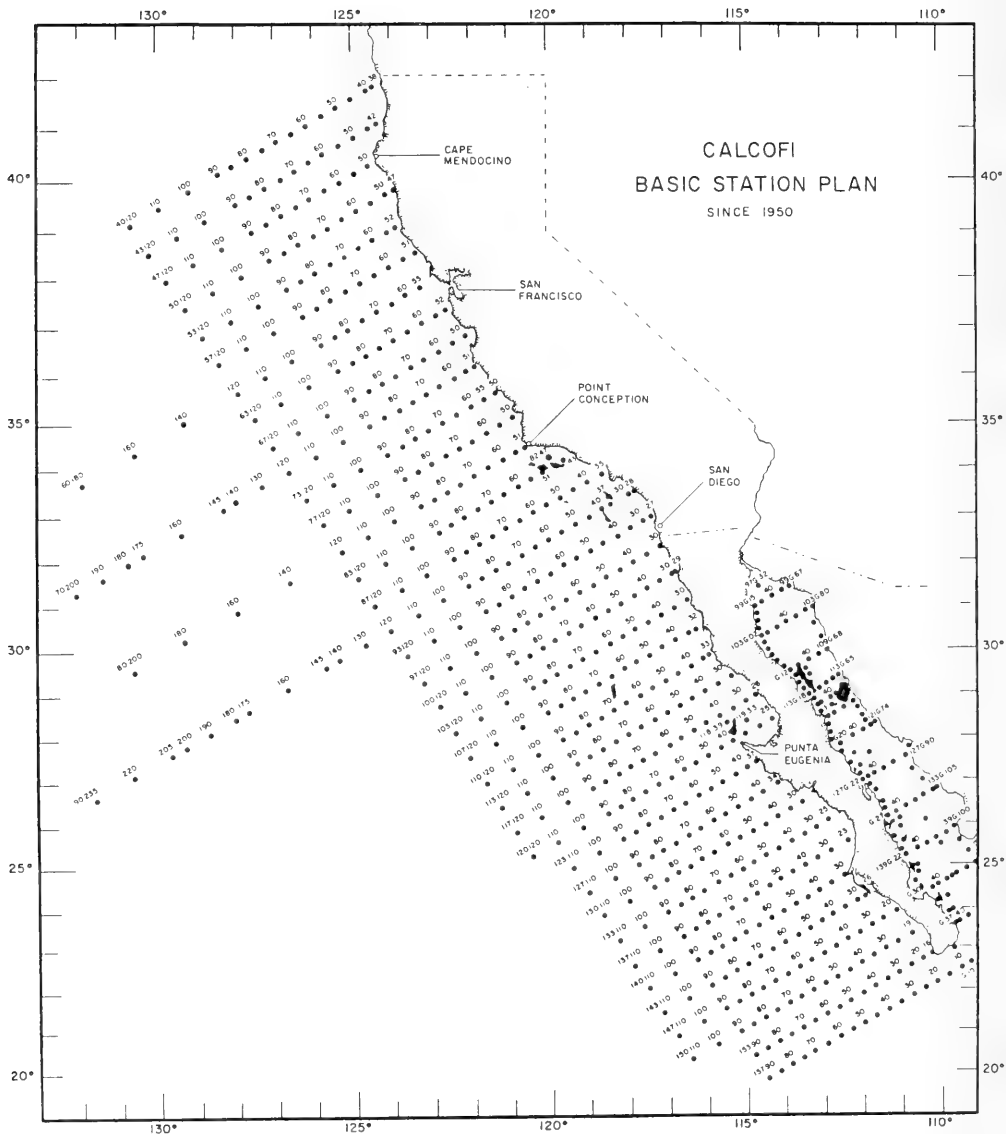


Figure 12. The basic station plan for CalCOFI cruises from 1950 to the present.

TABLE 1. Station and plankton tow data for CalCOFI cruises in 1960. Counts for fish eggs and larvae are not adjusted for standard haul factor or percent of sample sorted.

CalCOFI Cruise 6001											
Line Station	Lat. (N)	Long. (W)	Ship	Tow Date	Time	Tow	Vol.	Stand-	Percent	Total	Total
	deg. min.	deg. min.	Code	yr. mo. day	(PST)	Depth	Water	ard	Sorted	Larvae	Eggs
						(m)	(cu. m)	Haul			
								Factor			
40.0	55.0	41 14.5	HO	60 02 04	0706	92	640	1.43	100.0	27	73
40.0	60.0	41 02.0	HO	60 02 04	0326	128	695	1.84	100.0	14	55
40.0	70.0	40 40.0	HO	60 02 03	0016	125	535	2.34	100.0	13	17
40.0	80.0	40 24.0	HO	60 02 03	0016	101	625	1.61	100.0	6	37
40.0	90.0	40 03.2	HO	60 02 02	1606	113	554	2.04	100.0	0	2
40.0	100.0	39 43.0	HO	60 02 02	0956	114	601	1.89	100.0	0	4
47.0	100.0	38 39.0	HO	60 01 31	2226	135	546	2.47	100.0	3	16
50.0	47.0	39 45.9	HO	60 01 28	0728	61	427	1.43	100.0	48	6
50.0	50.0	39 40.0	HO	60 01 29	1016	133	604	2.21	100.0	36	27
50.0	55.0	39 29.5	HO	60 01 29	1604	139	522	2.66	100.0	28	115
50.0	60.0	39 20.0	HO	60 01 30	0921	142	540	3.32	100.0	20	34
50.0	70.0	39 01.0	HO	60 01 30	0931	134	520	2.57	100.0	49	33
50.0	80.0	38 38.5	HO	60 01 30	1416	84	782	1.08	100.0	6	16
50.0	90.0	38 19.0	HO	60 01 31	1051	121	550	2.21	100.0	7	11
50.0	100.0	38 02.0	HO	60 01 28	0303	61	291	1.81	100.0	70	46
53.0	52.0	39 02.5	HO	60 01 28	0121	104	574	2.17	100.0	123	37
53.0	57.0	38 58.2	HO	60 01 27	2311	117	538	2.81	100.0	46	88
53.0	60.0	38 52.5	HO	60 01 27	2041	115	535	2.15	100.0	67	323
53.0	70.0	38 28.0	HO	60 01 27	1601	77	694	1.11	100.0	8	14
53.0	80.0	37 59.5	HO	60 01 24	0233	81	612	1.67	100.0	93	723
57.0	51.0	38 30.3	HO	60 01 24	0621	106	608	2.46	100.0	57	111
57.0	57.0	38 21.2	HO	60 01 26	1715	106	709	1.75	100.0	141	21
57.0	60.0	38 18.0	HO	60 01 26	1951	97	680	1.50	100.0	62	24
57.0	70.0	37 49.5	HO	60 01 27	0126	141	470	3.00	100.0	71	43
57.0	80.0	37 29.0	HO	60 01 27	0636	65	723	0.90	100.0	194	32
60.0	52.0	37 54.0	HO	60 01 23	2218	57	319	1.80	100.0	99	1155
60.0	55.0	37 46.0	HO	60 01 23	2021	138	488	2.83	100.0	115	7
60.0	60.0	37 43.5	HO	60 01 23	1816	115	633	1.81	100.0	33	22
60.0	60.0	37 39.0	HO	60 01 23	1431	119	550	2.17	100.0	31	37
60.0	70.0	37 28.0	HO	60 01 23	1126	121	555	2.17	100.0	12	15
60.0	80.0	37 06.0	HO	60 01 23	0558	125	681	1.83	100.0	37	20
60.0	90.0	36 44.3	HO	60 01 23	0056	128	507	2.53	100.0	44	15
60.0	100.0	36 22.6	HO	60 01 22	1956	123	556	2.20	100.0	12	19
63.0	52.0	37 17.6	HO	60 02 11	1228	66	281	2.35	100.0	25	600
63.0	55.0	37 11.0	HO	60 02 11	1416	132	497	2.66	100.0	45	178
63.0	60.0	37 06.6	HO	60 02 11	1616	104	476	1.80	100.0	44	109
63.0	70.0	36 59.0	HO	60 02 11	1846	148	476	3.11	100.0	86	121
63.0	80.0	36 42.0	HO	60 02 11	2341	114	495	2.31	100.0	117	115
63.0	90.0	36 22.0	HO	60 02 12	0451	95	593	1.61	100.0	38	41
63.0	100.0	35 42.0	HO	60 01 22	1436	125	538	2.32	100.0	5	13
67.0	50.0	36 46.0	HO	60 02 13	0321	117	572	2.04	100.0	99	39
67.0	53.0	36 42.5	HO	60 02 13	0041	133	504	2.63	100.0	218	18

TABLE 1. (cont.)

## CALCOFI Cruise 6001

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
67.0	36 38.5	122 26.5	HO	60 02 12	2241	118	502	2.35	100.0	132	49
67.0	36 29.0	122 47.5	HO	60 02 12	1941	117	574	2.04	100.0	75	43
67.0	36 09.0	123 31.5	HO	60 02 12	1441	102	574	1.78	100.0	1	3
67.0	35 47.4	124 13.0	HO	60 02 12	1001	123	543	2.27	100.0	34	64
67.0	35 13.1	125 30.0	HO	60 01 22	0931	150	441	3.41	100.0	1	14
70.0	36 08.8	121 50.5	HO	60 01 19	2221	133	501	2.66	100.0	65	10
70.0	36 06.5	121 54.3	HO	60 01 20	0026	134	514	2.61	100.0	32	7
70.0	36 03.0	122 02.0	HO	60 01 20	0231	140	511	2.75	100.0	148	10
70.0	35 53.6	122 23.5	HO	60 01 20	0556	95	672	1.41	100.0	55	5
70.0	35 38.0	123 01.0	HO	60 01 20	1241	127	572	2.42	100.0	11	10
70.0	35 19.0	123 39.5	HO	60 01 20	1810	133	565	2.36	100.0	66	3
70.0	34 55.7	124 31.0	HO	60 01 21	1046	136	493	2.76	100.0	8	9
70.0	34 38.5	125 04.6	HO	60 01 22	0136	133	506	2.63	100.0	28	10
73.0	35 35.8	121 25.4	HO	60 01 19	1711	118	616	1.91	100.0	13	0
73.0	35 33.2	121 28.0	HO	60 01 19	1556	109	564	1.94	100.0	28	8
73.0	35 28.3	121 33.0	HO	60 01 19	1416	109	580	1.87	100.0	9	20
73.0	35 20.0	121 55.7	HO	60 01 19	1141	130	524	2.48	100.0	7	5
73.0	35 12.5	122 41.0	HO	60 01 19	0721	131	526	2.48	100.0	17	11
73.0	34 45.0	123 20.5	HO	60 01 19	0225	151	453	3.32	100.0	25	55
77.0	35 04.1	120 52.5	HO	60 01 17	0940	103	627	1.64	100.0	12	3
77.0	35 02.4	120 55.7	HO	60 01 17	0849	86	718	1.19	100.0	21	2
77.0	34 58.0	121 04.0	HO	60 01 17	0656	105	653	1.61	100.0	100	5
77.0	34 53.7	121 14.0	HO	60 01 17	0435	139	552	2.51	100.0	50	32
77.0	34 50.1	121 20.5	HO	60 01 18	0911	140	517	2.70	100.0	33	5
77.0	34 41.0	121 33.7	HO	60 01 18	1156	106	645	1.64	100.0	17	21
77.0	34 25.0	122 14.0	HO	60 01 18	1701	128	520	2.46	100.0	11	2
77.0	34 10.0	122 55.0	HO	60 01 18	2136	127	571	2.22	100.0	38	2
80.0	34 25.1	120 35.1	HO	60 01 16	2336	143	492	2.90	100.0	66	20
80.0	34 20.5	120 42.8	HO	60 01 16	2201	156	468	3.34	100.0	189	56
80.0	34 18.6	120 48.0	HO	60 01 16	1955	125	590	2.11	100.0	84	39
80.0	34 13.0	121 03.0	HO	60 01 16	1701	120	578	2.08	100.0	8	3
80.0	34 09.0	121 11.7	HO	60 01 16	1410	130	542	2.40	100.0	23	20
80.0	33 39.0	121 54.0	HO	60 01 16	0806	129	514	2.51	100.0	1	1
80.0	33 29.5	122 35.0	HO	60 01 15	1714	141	548	2.58	100.0	6	3
80.0	33 05.5	123 12.0	HO	60 01 15	1111	126	572	2.20	100.0	2	5
82.0	34 15.0	119 59.0	HO	60 01 13	0251	112	570	1.96	100.0	373	438
83.0	34 13.6	119 22.5	HO	60 01 12	2150	10	101	0.99	100.0	85	665
83.0	34 07.2	119 34.5	HO	60 01 12	2340	141	467	3.01	100.0	207	205
83.0	33 51.0	120 08.0	HO	60 01 12	2301	146	458	3.18	100.0	105	384
83.0	33 43.5	120 24.0	HO	60 01 13	2025	139	530	2.62	100.0	1	192
83.0	33 33.9	120 44.8	HO	60 01 14	0215	129	549	2.34	100.0	13	33
83.0	33 14.0	121 24.6	HO	60 01 14	0721	114	571	1.99	100.0	5	6
83.0	32 53.5	122 07.5	HO	60 01 14	1236	164	441	3.72	100.0	3	3
83.0	32 32.5	122 47.5	HO	60 01 14	1800	144	473	3.04	100.0	2	1

TABLE 1. (cont.)

## CalCOFI Cruise 6001

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	100.0	123 28.5	HO	60 01 14	2355	137	609	2.26	100.0	6	2
87.0	35.0	118 37.5	HO	60 01 12	1636	144	492	2.93	100.0	71	83
87.0	40.0	118 59.0	HO	60 01 12	1326	140	478	2.92	100.0	26	649
87.0	45.0	119 19.0	HO	60 01 12	1015	136	481	2.84	100.0	30	271
87.0	50.0	119 39.5	HO	60 01 12	0600	27	416	0.64	100.0	11	31
87.0	55.0	120 00.5	HO	60 01 12	0049	137	444	3.09	100.0	16	16
87.0	60.0	120 21.0	HO	60 01 11	2221	145	453	3.19	100.0	17	13
87.0	70.0	121 01.0	HO	60 01 11	1726	138	550	2.51	100.0	4	17
87.0	80.0	121 48.0	HO	60 01 11	1221	106	583	1.83	100.0	1	3
87.0	90.0	122 23.0	HO	60 01 11	0643	163	435	3.75	100.0	2	0
87.0	100.0	123 05.0	HO	60 01 11	0111	128	519	2.47	100.0	2	0
87.0	28.0	117 46.7	HO	60 01 08	2206	134	542	2.46	100.0	5	27
90.0	32.0	118 03.5	HO	60 01 09	0112	79	759	1.04	100.0	0	10
90.0	37.0	118 23.4	HO	60 01 09	0506	137	547	2.50	100.0	44	125
90.0	45.0	118 56.5	HO	60 01 09	0941	133	475	2.80	100.0	1	12
90.0	50.0	119 19.0	HO	60 01 09	1403	64	520	1.22	100.0	22	26
90.0	55.0	119 39.0	HO	60 01 09	1708	103	506	2.92	100.0	41	31
90.0	60.0	119 59.0	HO	60 01 09	2121	132	452	2.92	100.0	34	184
90.0	70.0	120 39.0	HO	60 01 10	0226	100	596	1.68	100.0	30	18
90.0	80.0	121 19.5	HO	60 01 10	0907	140	475	2.95	100.0	22	6
90.0	90.0	121 59.0	HO	60 01 10	1425	130	428	3.45	100.0	2	3
90.0	100.0	122 35.0	HO	60 01 10	1956	142	528	2.70	100.0	15	37
93.0	28.0	117 22.0	OR	60 01 08	1742	135	501	2.69	100.0	7	1
93.0	30.0	117 31.3	OR	60 01 08	1936	139	503	2.74	100.0	4	5
93.0	35.0	117 51.5	OR	60 01 08	2216	124	530	2.34	100.0	1	0
93.0	40.0	118 11.5	OR	60 01 09	0116	141	502	2.81	100.0	1	0
93.0	45.0	118 33.0	OR	60 01 09	0400	139	500	2.77	100.0	1	2
93.0	50.0	118 52.5	OR	60 01 09	0716	137	534	2.56	100.0	1	3
93.0	55.0	119 11.0	OR	60 01 09	0958	123	646	2.90	100.0	9	16
93.0	60.0	119 29.0	OR	60 01 09	1336	140	514	2.71	100.0	1	10
93.0	70.0	120 05.4	OR	60 01 09	1906	141	526	2.68	100.0	12	6
93.0	80.0	120 41.2	OR	60 01 10	0136	141	492	2.85	100.0	3	1
93.0	90.0	121 15.2	OR	60 01 10	0721	139	416	3.35	100.0	0	6
97.0	30.0	117 07.8	OR	60 01 12	0139	36	134	2.66	100.0	5	26
97.0	32.0	117 10.7	OR	60 01 12	0016	143	508	2.82	100.0	10	16
97.0	35.0	117 14.5	OR	60 01 11	0016	143	532	2.40	100.0	0	2
97.0	40.0	117 29.0	OR	60 01 11	2126	128	532	2.40	100.0	13	8
97.0	45.0	117 49.5	OR	60 01 11	1901	140	484	2.89	100.0	0	7
97.0	50.0	118 06.3	OR	60 01 11	1616	140	469	2.98	100.0	1	7
97.0	55.0	118 30.5	OR	60 01 11	1331	139	490	2.83	100.0	1	5
97.0	60.0	118 48.5	OR	60 01 11	1031	136	448	3.02	100.0	1	15
97.0	65.0	119 12.0	OR	60 01 11	0626	138	537	2.57	100.0	2	12
97.0	70.0	119 50.0	OR	60 01 11	0006	143	515	2.78	100.0	8	21
97.0	80.0	120 29.3	OR	60 01 10	1756	139	558	2.50	100.0	7	4
97.0	90.0	121 08.0	OR	60 01 10	1231	141	518	2.72	100.0	2	3

TABLE 1. (cont.)

## CALCOFI Cruise 6001

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code yr.	Tow Date mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
100.0	29.0	31 42.2	OR	60 01 13	0743	72	278	2.57	100.0	204	205
100.0	30.0	31 40.7	OR	60 01 13	0846	129	498	2.59	100.0	30	314
100.0	35.0	31 31.0	OR	60 01 13	1126	136	483	2.82	100.0	6	49
100.0	40.0	31 18.6	OR	60 01 13	1511	143	482	2.96	100.0	1	4
100.0	45.0	31 08.0	OR	60 01 13	1751	141	483	2.92	100.0	13	2
100.0	50.0	30 58.0	OR	60 01 13	2111	107	614	1.74	100.0	14	4
100.0	55.0	30 48.0	OR	60 01 14	0006	143	458	3.12	100.0	14	6
100.0	60.0	30 39.0	OR	60 01 14	0336	138	486	2.84	100.0	4	16
100.0	70.0	30 20.5	OR	60 01 14	1346	140	485	2.89	100.0	4	16
100.0	80.0	31 01.5	OR	60 01 14	1931	139	486	2.85	100.0	2	8
100.0	90.0	29 41.9	OR	60 01 15	0016	144	468	3.07	100.0	64	70
103.0	30.0	31 04.2	OR	60 01 17	0309	48	186	2.61	100.0	352	70
103.0	35.0	30 53.5	OR	60 01 17	0016	134	502	2.67	100.0	6	4
103.0	40.0	30 45.7	OR	60 01 16	2056	137	502	2.72	100.0	8	4
103.0	45.0	30 39.2	OR	60 01 16	1801	139	508	2.74	100.0	12	15
103.0	50.0	30 30.0	OR	60 01 16	1536	140	487	2.87	100.0	8	17
103.0	55.0	30 21.4	OR	60 01 16	1201	147	484	3.04	100.0	1	35
103.0	60.0	30 07.0	OR	60 01 16	0746	134	519	2.58	100.0	6	262
103.0	80.0	29 23.5	OR	60 01 15	1711	135	520	2.60	100.0	11	37
107.0	32.0	30 25.8	OR	60 01 17	1216	138	492	2.81	100.0	77	8
107.0	35.0	30 19.4	OR	60 01 17	1616	140	499	2.81	100.0	15	182
107.0	40.0	30 08.4	OR	60 01 17	1956	135	521	2.60	100.0	4	565
107.0	45.0	30 00.0	OR	60 01 17	2246	139	517	2.69	100.0	97	26
107.0	50.0	30 48.4	OR	60 01 18	0146	142	497	2.85	100.0	27	36
107.0	55.0	29 35.0	OR	60 01 18	0436	141	498	2.82	100.0	13	134
107.0	60.0	29 25.0	OR	60 01 18	0826	130	518	2.52	100.0	10	36
107.0	70.0	29 12.0	OR	60 01 18	1411	139	487	2.85	100.0	6	177
107.0	80.0	28 52.0	OR	60 01 18	1941	114	578	1.97	100.0	5	76
107.0	90.0	28 31.2	OR	60 01 19	0108	142	482	2.96	100.0	43	61
110.0	33.0	29 50.4	OR	60 01 21	0338	153	230	2.28	100.0	15	71
110.0	35.0	29 47.0	OR	60 01 21	0906	135	519	2.60	100.0	61	154
110.0	40.0	29 40.0	OR	60 01 21	0951	137	509	2.71	100.0	315	339
110.0	45.0	29 29.5	OR	60 01 21	0236	139	509	2.69	100.0	84	4
110.0	50.0	29 18.0	OR	60 01 20	2356	140	489	2.86	100.0	177	36
110.0	55.0	29 07.0	OR	60 01 20	2036	146	485	3.00	100.0	9	96
110.0	60.0	28 54.7	OR	60 01 19	2346	142	485	2.87	100.0	10	60
110.0	70.0	28 36.0	OR	60 01 19	1746	140	511	2.74	100.0	7	25
110.0	80.0	28 21.0	OR	60 01 19	1226	140	489	2.86	100.0	26	138
110.0	90.0	27 53.1	OR	60 01 19	0618	139	502	2.77	100.0	34	133
113.0	30.0	29 22.0	OR	60 01 21	1718	133	497	2.14	100.0	35	133
113.0	35.0	29 12.1	OR	60 01 21	2021	131	497	2.64	100.0	43	63
113.0	40.0	29 02.7	OR	60 01 21	2316	136	500	2.72	100.0	35	2
113.0	45.0	28 50.0	OR	60 01 22	0156	141	500	2.82	100.0	33	19



TABLE 1. (cont.)

## CALCOFI Cruise 6001

Line Station	Lat.(N) deg. min.	Long.(W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
113.0	28 37.5	116 32.0	OR	60 01 22	0516	140	504	2.77	100.0	27	22
113.0	28 24.3	116 49.6	OR	60 01 22	0736	139	502	2.77	100.0	4	35
113.0	28 14.5	117 16.3	OR	60 01 22	1046	137	516	2.66	100.0	11	84
113.0	27 57.0	117 58.0	OR	60 01 22	1816	139	512	2.71	100.0	50	72
113.0	27 41.5	118 30.5	OR	60 01 22	2306	141	505	2.79	100.0	32	79
113.0	27 26.0	119 09.9	OR	60 01 23	0401	143	492	2.91	100.0	32	44
117.0	28 54.7	114 41.2	OR	60 01 25	0113	64	238	2.67	100.0	39	295
117.0	28 48.0	114 55.0	OR	60 01 24	2313	90	343	2.64	100.0	41	541
117.0	28 37.5	115 17.2	OR	60 01 24	2026	140	483	2.91	100.0	68	77
117.0	28 26.3	115 35.5	OR	60 01 24	1706	143	478	2.98	100.0	78	108
117.0	28 16.3	115 55.8	OR	60 01 24	1326	142	498	2.86	100.0	116	155
117.0	28 08.0	116 16.3	OR	60 01 24	1046	136	518	2.62	100.0	148	104
117.0	27 58.0	116 37.2	OR	60 01 24	0516	139	497	2.81	100.0	26	97
117.0	27 48.0	116 56.0	OR	60 01 24	0226	143	494	2.89	100.0	8	33
117.0	27 32.7	117 32.7	OR	60 01 23	2056	137	511	2.67	100.0	41	19
117.0	27 17.4	118 09.5	OR	60 01 23	1511	141	500	2.83	100.0	7	49
117.0	26 47.2	118 44.7	OR	60 01 23	1006	134	514	2.61	100.0	8	102
118.0	28 17.4	115 23.9	OR	60 01 26	0016	141	459	3.07	100.0	194	304
119.0	28 17.3	114 51.2	OR	60 01 25	0052	93	385	2.41	100.0	179	997
120.0	28 25.0	114 14.6	OR	60 01 25	0544	35	147	2.39	100.0	34	135
120.0	28 12.9	114 34.5	OR	60 01 25	0838	82	327	2.51	100.0	108	830
120.0	28 03.0	114 55.4	OR	60 01 25	1258	55	212	2.60	100.0	226	984
120.0	27 56.1	115 14.5	OR	60 02 05	2104	28	153	1.85	100.0	150	741
120.0	27 43.0	115 33.0	BD	60 02 05	1621	140	494	2.82	100.0	132	134
120.0	27 27.5	115 55.5	BD	60 02 05	1221	138	494	2.74	100.0	24	27
120.0	27 20.0	116 13.5	BD	60 02 05	0956	130	483	2.87	100.0	168	113
120.0	27 11.0	116 39.0	BD	60 02 05	0636	139	481	2.90	100.0	5	20
120.0	26 53.5	117 13.0	BD	60 02 05	0121	140	482	2.91	100.0	10	12
120.0	26 32.5	117 49.0	BD	60 02 04	2006	139	384	3.61	100.0	10	12
120.0	26 13.0	118 27.0	BD	60 02 04	1501	138	497	2.78	100.0	8	36
123.0	27 24.0	114 40.0	BD	60 02 03	0718	62	247	2.51	100.0	296	501
123.0	27 14.0	114 59.0	BD	60 02 03	0931	134	522	2.57	100.0	191	1058
123.0	27 08.0	115 11.5	BD	60 02 03	1151	132	491	2.70	100.0	564	270
123.0	26 58.0	115 31.0	BD	60 02 03	1431	136	476	2.86	100.0	114	28
123.0	26 48.5	115 49.5	BD	60 02 03	1926	144	478	3.01	100.0	13	42
123.0	26 39.0	116 11.0	BD	60 02 03	2141	139	480	2.89	100.0	100	34
123.0	26 21.3	116 49.0	BD	60 02 04	0226	134	513	2.61	100.0	53	36
123.0	26 09.0	117 25.5	BD	60 02 04	0806	135	509	2.65	100.0	21	167
127.0	26 55.0	114 06.5	BD	60 02 02	0208	63	239	2.61	100.0	208	160
127.0	26 43.5	114 29.0	BD	60 02 02	1225	138	489	2.83	100.0	28	254
127.0	26 33.0	114 48.5	BD	60 02 02	1851	147	469	3.14	100.0	9	25
127.0	26 23.7	115 06.0	BD	60 02 02	1606	137	476	2.88	100.0	8	42
127.0	26 15.5	115 25.5	BD	60 02 02	1531	136	499	2.73	100.0	8	63
127.0	26 08.0	115 43.0	BD	60 02 02	1026	142	474	2.99	100.0	8	14
127.0	25 46.0	116 23.0	BD	60 02 02	0516	142	489	2.91	100.0	5	45

TABLE 1. (cont.)

## CALCOFI Cruise 6001

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	25 24.0	117 03.0	BD	60 02 01	2056	139	493	2.82	100.0	36	98
130.0	26 29.0	113 29.0	BD	60 01 31	1918	63	247	2.54	100.0	36	86
130.0	26 19.0	113 48.0	BD	60 01 31	2141	139	469	2.96	100.0	512	3496
130.0	26 09.0	114 07.0	BD	60 02 01	0026	137	496	2.75	100.0	75	514
130.0	25 58.5	114 26.5	BD	60 02 01	0321	138	497	2.78	100.0	32	58
130.0	25 49.0	114 45.0	BD	60 02 01	0616	136	478	2.85	100.0	32	45
130.0	25 39.0	115 04.0	BD	60 02 01	0831	136	497	2.73	100.0	22	54
130.0	25 29.0	115 24.0	BD	60 02 01	1041	139	485	2.68	100.0	20	9
133.0	26 04.5	112 48.0	BD	60 01 31	1203	69	281	2.47	100.0	825	270
133.0	25 54.5	113 07.5	BD	60 01 31	0911	136	486	2.75	100.0	614	360
133.0	25 44.5	113 26.5	BD	60 01 31	0521	138	489	2.82	100.0	509	795
133.0	25 33.5	113 37.5	BD	60 01 31	0121	142	522	2.72	100.0	167	165
133.0	25 23.0	113 59.5	BD	60 01 30	2321	131	549	2.39	100.0	202	175
133.0	25 13.0	114 20.5	BD	60 01 30	2016	139	518	2.69	100.0	38	51
133.0	25 03.0	114 42.0	BD	60 01 30	1751	141	498	2.83	100.0	23	39
133.0	24 54.5	115 02.0	BD	60 01 30	1516	143	502	2.88	100.0	4	78
134.0	25 34.0	113 22.7	BD	60 01 31	0341	140	499	2.80	100.0	104	2498
137.0	25 34.0	112 19.0	BD	60 01 29	0023	60	261	2.29	100.0	1567	57
137.0	25 20.0	112 46.0	BD	60 01 29	0337	110	393	2.80	100.0	3738	69
137.0	25 11.0	113 05.3	BD	60 01 29	0611	118	577	2.05	100.0	811	2643
137.0	25 02.0	113 25.0	BD	60 01 29	0856	132	507	2.60	100.0	51	642
137.0	24 53.3	113 43.7	BD	60 01 29	1126	138	497	2.78	100.0	6	84
137.0	24 42.0	114 04.0	BD	60 01 29	1356	133	510	2.60	100.0	6	109
137.0	24 33.0	114 26.0	BD	60 01 29	1706	135	515	2.63	100.0	1	26
137.0	24 23.5	114 43.0	BD	60 01 29	1911	136	496	2.74	100.0	5	8
137.0	24 02.0	115 19.2	BD	60 01 29	2356	129	554	2.32	100.0	97	8
137.0	23 40.0	115 55.0	BD	60 01 30	0436	135	512	2.63	100.0	178	32
140.0	24 45.5	112 24.0	BD	60 01 28	1345	104	382	2.72	100.0	198	5
140.0	24 35.5	112 42.5	BD	60 01 28	0846	138	468	2.94	100.0	38	24
140.0	24 25.5	113 01.0	BD	60 01 28	0846	138	458	3.02	100.0	50	31
140.0	24 15.0	113 21.0	BD	60 01 28	0606	132	494	2.65	100.0	3	53
140.0	24 05.5	113 39.5	BD	60 01 28	0256	134	494	2.72	100.0	26	20
140.0	23 55.5	113 58.5	BD	60 01 28	0016	138	511	2.71	100.0	10	1
140.0	23 45.5	114 17.5	BD	60 01 27	1851	134	497	2.60	100.0	14	8
143.0	24 19.0	111 48.0	BD	60 01 26	1948	63	240	2.70	100.0	287	142
143.0	24 11.0	112 03.0	BD	60 01 26	2131	138	502	2.74	100.0	562	112
143.0	24 01.0	112 22.0	BD	60 01 27	0001	142	480	2.95	100.0	166	25
143.0	23 50.5	112 41.0	BD	60 01 27	0301	138	517	2.67	100.0	212	34
143.0	23 45.0	113 00.0	BD	60 01 27	0556	142	474	3.00	100.0	60	23
143.0	23 33.5	113 19.0	BD	60 01 27	0806	138	479	2.89	100.0	5	31
143.0	23 23.0	113 37.0	BD	60 01 27	1051	131	510	2.57	100.0	6	7
143.0	23 10.5	113 55.5	BD	60 01 27	1306	138	474	2.92	100.0	22	61
143.0	23 03.5	114 14.0	BD	60 01 26	1421	138	435	2.72	100.0	126	136
147.0	23 49.0	111 17.0	BD	60 01 26	1201	140	470	2.97	100.0	300	147
147.0	23 36.5	111 37.3	BD	60 01 26	0847	119	440	2.71	100.0	7	1

TABLE 1. (cont.)

## CalCOFI Cruise 6001

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	35.0	23 25.0	112 00.0	BD	60 01 26	0621	140	2.83	100.0	2	4
147.0	40.0	23 16.0	112 19.0	BD	60 01 26	0306	519	2.74	100.0	11	31
147.0	45.0	23 05.5	112 37.5	BD	60 01 26	0026	490	2.86	100.0	28	38
147.0	50.0	22 55.5	112 56.5	BD	60 01 25	2126	140	2.81	100.0	31	114
147.0	55.0	22 45.5	113 15.0	BD	60 01 25	1856	499	2.79	100.0	22	183
147.0	60.0	22 35.5	113 33.5	BD	60 01 25	1601	135	2.58	100.0	42	120
150.0	19.0	23 23.5	110 39.0	BD	60 01 24	1201	137	2.64	100.0	14	246
150.0	25.0	23 11.0	111 01.0	BD	60 01 24	1506	416	2.96	100.0	85	154
150.0	30.0	23 00.5	111 20.0	BD	60 01 24	1756	132	2.38	100.0	14	160
150.0	35.0	22 51.0	111 38.5	BD	60 01 24	2041	132	2.88	100.0	88	27
150.0	40.0	22 41.5	111 57.0	BD	60 01 24	2256	139	2.82	100.0	21	36
150.0	45.0	22 33.0	112 16.0	BD	60 01 25	0151	490	2.82	100.0	11	54
150.0	50.0	22 22.0	112 35.0	BD	60 01 25	0401	490	2.73	100.0	13	25
150.0	55.0	22 13.0	112 54.0	BD	60 01 25	0836	525	2.61	100.0	3	264
150.0	60.0	22 04.0	113 09.5	BD	60 01 25	0836	532	2.57	100.0	17	203
153.0	16.0	22 55.0	110 07.5	BD	60 01 15	2156	139	2.72	100.0	11	79
153.0	20.0	22 47.0	110 22.0	BD	60 01 16	0046	476	3.02	100.0	12	32
153.0	25.0	22 37.0	110 59.0	BD	60 01 16	0431	142	2.98	100.0	11	25
153.0	30.0	22 27.0	111 17.5	BD	60 01 16	0726	139	2.90	100.0	3	1
153.0	35.0	22 17.0	111 36.5	BD	60 01 24	0351	135	2.67	100.0	7	42
153.0	40.0	21 57.0	111 55.0	BD	60 01 23	0041	139	2.91	100.0	20	66
153.0	45.0	21 46.5	112 13.0	BD	60 01 23	1831	134	2.57	100.0	24	453
153.0	50.0	21 36.5	112 31.5	BD	60 01 23	1531	137	2.51	100.0	90	83
153.0	55.0	21 26.5	112 50.5	BD	60 01 23	1221	142	2.77	100.0	40	55
153.0	60.0	21 01.5	113 26.0	BD	60 01 23	0646	135	2.81	100.0	103	70
153.0	70.0	20 46.0	114 04.0	BD	60 01 23	0141	138	2.46	100.0	54	57
153.0	80.0	20 33.0	109 23.0	BD	60 01 17	0146	492	3.12	100.0	72	55
157.0	10.0	22 33.0	109 42.0	BD	60 01 16	2221	136	2.77	100.0	29	167
157.0	15.0	22 13.0	110 00.0	BD	60 01 16	1846	133	2.60	100.0	120	183
157.0	20.0	22 02.5	110 19.0	BD	60 01 16	1606	143	3.02	100.0	98	183
157.0	25.0	21 52.5	110 37.5	BD	60 01 16	1211	133	2.61	100.0	78	90
157.0	30.0	21 42.5	110 56.0	BD	60 01 21	1921	124	2.19	100.0	109	65
157.0	35.0	21 33.0	111 15.5	BD	60 01 21	2136	122	2.25	100.0	118	139
157.0	40.0	21 24.0	111 34.0	BD	60 01 22	0026	134	2.36	100.0	226	71
157.0	45.0	21 15.0	111 53.0	BD	60 01 22	0246	135	2.61	100.0	294	139
157.0	50.0	21 06.3	112 11.0	BD	60 01 22	0541	121	2.26	100.0	219	287
157.0	55.0	20 53.5	112 30.5	BD	60 01 22	0806	134	2.61	100.0	119	171
157.0	60.0	20 32.0	113 06.0	BD	60 01 22	1241	130	2.52	100.0	42	27
157.0	65.0	20 12.0	113 42.0	BD	60 01 22	1726	121	2.05	100.0	26	58

TABLE 1. (cont.)

## CALCOFI Cruise 6002

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
73.0	51.0	35 35.0	BD	60 02 19	2016	131	498	2.62	100.0	123	19
73.0	53.0	35 31.7	BD	60 02 19	1820	131	430	3.04	100.0	47	85
73.0	55.0	35 27.0	BD	60 02 19	1621	137	469	2.92	100.0	13	78
73.0	60.0	35 18.0	BD	60 02 19	1259	138	446	3.09	100.0	12	56
73.0	70.0	35 03.0	BD	60 02 19	0805	134	549	2.45	100.0	3	6
77.0	50.0	35 04.5	BD	60 02 20	1017	119	457	2.61	100.0	8	17
77.0	51.0	35 02.0	BD	60 02 20	1101	137	500	2.75	100.0	26	9
77.0	53.0	34 58.1	BD	60 02 20	1211	132	445	2.96	100.0	68	76
77.0	55.0	34 54.5	BD	60 02 20	1346	139	455	3.07	100.0	30	30
77.0	57.0	34 50.1	BD	60 02 20	1531	140	540	2.60	100.0	16	46
77.0	60.0	34 42.8	BD	60 02 20	1741	133	489	2.72	100.0	12	124
77.0	70.0	34 24.2	BD	60 02 20	2201	141	394	3.59	100.0	44	29
80.0	52.0	34 24.7	BD	60 02 22	1016	139	472	2.94	100.0	73	127
80.0	53.0	34 23.1	BD	60 02 22	0906	145	454	3.19	100.0	34	1000
80.0	55.0	34 19.0	BD	60 02 22	0721	124	465	2.66	50.0	48	1635
80.0	57.0	34 15.0	BD	60 02 22	0456	122	431	2.84	100.0	182	730
80.0	60.0	34 09.0	BD	60 02 22	0206	138	552	2.49	100.0	22	134
80.0	70.0	33 48.5	BD	60 02 21	1916	136	492	2.76	100.0	0	10
80.0	80.0	33 28.7	BD	60 02 21	1336	137	515	2.65	100.0	2	44
80.0	90.0	33 05.0	BD	60 02 21	0836	133	417	3.18	100.0	9	9
82.0	47.0	34 15.0	BD	60 02 22	1356	141	485	0.82	100.0	63	23
83.0	40.0	34 14.0	BD	60 02 22	1750	9	104	0.91	100.0	4	213
83.0	43.0	34 08.0	BD	60 02 22	1916	134	507	2.65	100.0	37	132
83.0	51.0	33 52.0	BD	60 02 23	0042	121	395	3.06	100.0	180	937
83.0	55.0	33 44.0	BD	60 02 23	0256	130	528	2.47	100.0	8	70
83.0	60.0	33 35.2	BD	60 02 23	0531	133	504	2.64	100.0	9	154
83.0	70.0	33 16.8	BD	60 02 23	1046	143	454	3.14	100.0	5	67
83.0	80.0	32 54.0	BD	60 02 23	1541	144	458	3.14	100.0	2	18
83.0	90.0	32 34.5	BD	60 02 23	2026	143	446	3.20	100.0	16	156
87.0	35.0	33 50.0	BD	60 02 25	0431	132	495	2.67	100.0	176	1577
87.0	40.0	33 40.0	BD	60 02 25	0126	136	458	2.97	50.0	287	2801
87.0	45.0	33 30.0	BD	60 02 24	2256	129	519	2.49	100.0	103	635
87.0	50.0	33 20.0	BD	60 02 24	2033	41	298	1.36	100.0	121	182
87.0	55.0	33 10.0	BD	60 02 24	1821	128	540	2.28	100.0	126	257
87.0	60.0	33 00.0	BD	60 02 24	1521	134	527	2.54	100.0	193	848
87.0	70.0	32 39.5	BD	60 02 24	1051	132	431	3.06	100.0	116	76
87.0	80.0	32 20.5	BD	60 02 24	0626	136	437	3.12	100.0	1	55
87.0	90.0	31 59.0	BD	60 02 24	0121	137	462	2.98	100.0	17	94
90.0	28.0	33 28.5	BD	60 02 25	1846	129	527	2.45	100.0	39	988
90.0	32.0	33 20.5	BD	60 02 25	2116	138	492	2.80	100.0	83	1195
90.0	35.0	33 11.0	BD	60 02 25	2341	142	468	3.03	100.0	63	2116
90.0	40.0	32 54.5	BD	60 02 26	0426	138	520	2.65	100.0	165	977
90.0	50.0	32 46.6	BD	60 02 26	0711	139	484	2.88	100.0	90	436
90.0	60.0	32 25.0	BD	60 02 26	1341	139	473	2.94	100.0	13	128
90.0	70.0	32 04.5	BD	60 02 26	1841	139	519	2.68	100.0	2	60

TABLE 1. (cont.)

## CALCOFI Cruise 6002

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
90.0	31 44.5	121 19.5	BD	60 02 26	2306	139	482	2.89	100.0	259	150
90.0	31 24.0	121 59.0	BD	60 02 27	0341	136	492	2.77	100.0	24	34
90.0	31 05.0	122 39.0	BD	60 02 27	0821	126	438	2.87	100.0	6	36
93.0	32 40.0	117 51.5	BD	60 02 28	2226	137	475	2.88	100.0	433	936
93.0	32 30.0	118 12.5	BD	60 02 28	1936	134	514	2.82	100.0	238	692
93.0	32 20.0	118 32.0	BD	60 02 28	1711	127	550	2.51	100.0	230	476
93.0	32 10.5	118 56.0	BD	60 02 28	1426	136	496	2.66	100.0	286	906
93.0	32 00.0	119 13.5	BD	60 02 28	1211	136	509	2.69	100.0	88	817
93.0	31 50.0	119 34.0	BD	60 02 28	0746	130	483	2.69	100.0	4	39
93.0	31 50.0	120 14.0	BD	60 02 27	2226	127	560	2.27	100.0	15	37
93.0	31 10.0	120 54.5	BD	60 02 27	1746	128	558	2.30	100.0	0	59
93.0	30 51.0	121 34.5	BD	60 02 27	1321	130	527	2.46	100.0	6	57
93.0	32 16.0	117 08.5	BD	60 02 29	1004	45	152	2.99	100.0	87	234
97.0	32 12.0	117 18.2	BD	60 02 29	1331	140	481	2.49	100.0	252	635
97.0	32 05.5	117 28.5	BD	60 02 29	1616	140	471	2.98	100.0	346	632
97.0	31 45.0	118 09.5	BD	60 02 29	1906	130	530	2.45	100.0	167	275
97.0	31 35.0	118 30.0	BD	60 02 29	2121	141	458	3.08	100.0	134	417
97.0	31 24.0	118 49.0	BD	60 02 29	2341	133	512	2.59	100.0	141	530
97.0	31 12.0	119 07.0	BD	60 03 01	0201	142	457	3.11	100.0	36	104
97.0	30 49.0	119 44.0	BD	60 03 01	0705	138	445	3.10	100.0	3	44
97.0	30 35.0	120 31.0	BD	60 03 01	1406	136	498	2.73	100.0	6	49
97.0	30 15.5	121 10.5	BD	60 03 01	1841	136	493	2.75	100.0	1	51
100.0	30 42.2	116 43.2	BD	60 03 03	0742	109	438	2.49	100.0	211	539
100.0	31 40.5	116 46.5	BD	60 03 03	0641	138	480	2.88	100.0	515	1274
100.0	31 36.0	117 09.0	BD	60 03 03	0351	139	452	3.08	100.0	890	1442
100.0	31 25.0	117 27.3	BD	60 03 03	0236	143	423	3.38	100.0	177	127
100.0	31 14.0	117 46.5	BD	60 03 02	2236	140	476	2.94	100.0	76	103
100.0	31 04.0	118 10.0	BD	60 03 02	1956	133	505	2.63	100.0	2	92
100.0	30 53.0	118 30.0	BD	60 03 02	1721	141	491	2.88	100.0	24	172
100.0	30 41.0	118 48.0	BD	60 03 02	1411	140	506	2.78	100.0	5	430
100.0	30 29.0	119 30.0	BD	60 03 02	0946	133	500	2.65	100.0	4	53
100.0	30 05.0	120 10.0	BD	60 03 02	0420	130	535	2.43	100.0	11	138
100.0	29 40.5	120 47.0	BD	60 03 02	2251	139	203	2.63	100.0	21	89
103.0	31 05.2	116 25.0	HS	60 02 27	1614	30	131	1.46	100.0	323	650
103.0	30 55.4	116 45.2	HS	60 02 27	1401	114	539	2.12	50.0	2806	2806
103.0	30 47.0	117 03.0	HS	60 02 27	1141	122	545	2.23	100.0	174	24
103.0	30 38.0	117 21.5	HS	60 02 27	0930	117	554	2.11	100.0	85	185
103.0	30 26.5	117 45.0	HS	60 02 27	0655	97	644	1.51	100.0	430	59
103.0	30 17.5	118 01.0	HS	60 02 27	0440	99	645	1.53	100.0	9	86
103.0	30 07.5	118 21.0	HS	60 02 27	0126	124	551	2.25	100.0	33	221
103.0	29 45.2	119 02.5	HS	60 02 26	2036	119	561	2.11	100.0	67	17
103.0	29 29.2	119 38.0	HS	60 02 26	1626	97	646	1.44	100.0	22	46
107.0	30 25.8	116 11.3	HS	60 02 25	1126	114	534	2.14	100.0	653	7904

TABLE 1. (cont.)

## CalCOFI Cruise 6002

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	35.0	116 23.0	HS	60 02 25	1306	131	527	2.49	100.0	593	6588
107.0	40.0	117 43.3	HS	60 02 25	1536	114	592	1.93	100.0	298	507
107.0	45.0	117 02.0	HS	60 02 25	1816	88	696	1.26	100.0	19	99
107.0	50.0	117 25.5	HS	60 02 25	2055	122	550	2.23	100.0	39	32
107.0	55.0	117 48.0	HS	60 02 25	2331	128	587	2.18	100.0	15	13
107.0	60.0	118 13.0	HS	60 02 26	0221	126	575	2.19	100.0	55	23
107.0	70.0	118 40.0	HS	60 02 26	0656	89	704	1.27	100.0	63	50
107.0	80.0	119 20.5	HS	60 02 26	1156	128	548	2.33	100.0	13	53
110.0	35.0	115 52.0	HS	60 02 25	0655	44	358	1.23	100.0	429	5247
110.0	33.0	116 00.3	HS	60 02 25	0531	86	678	1.26	100.0	936	10179
110.0	40.0	116 20.0	HS	60 02 25	0251	103	604	1.71	100.0	485	926
110.0	45.0	116 39.5	HS	60 02 25	0031	110	601	1.84	100.0	16	7
110.0	50.0	116 59.0	HS	60 02 24	2211	115	555	2.08	100.0	34	125
110.0	55.0	117 19.2	HS	60 02 24	1946	120	609	1.97	100.0	27	23
110.0	60.0	117 32.0	HS	60 02 24	1456	130	556	2.33	100.0	12	1
110.0	65.0	117 55.0	HS	60 02 24	0401	92	674	1.36	100.0	70	188
110.0	70.0	118 17.6	HS	60 02 24	2245	130	520	2.50	100.0	26	3
110.0	80.0	118 58.0	HS	60 02 23	1740	98	618	1.59	100.0	33	158
110.0	90.0	119 36.0	HS	60 02 23	0558	39	297	1.33	100.0	7	45
113.0	30.0	115 18.5	HS	60 02 22	0815	125	555	2.24	100.0	484	1532
113.0	35.0	115 38.0	HS	60 02 22	1050	135	508	2.65	100.0	478	1772
113.0	40.0	115 57.6	HS	60 02 22	1346	133	545	2.43	100.0	190	123
113.0	45.0	116 20.0	HS	60 02 22	1621	98	627	1.56	100.0	16	125
113.0	50.0	116 37.2	HS	60 02 22	2021	102	609	2.06	100.0	51	51
113.0	55.0	116 57.0	HS	60 02 22	2316	120	582	1.68	100.0	18	30
113.0	60.0	117 16.5	HS	60 02 22	0446	87	729	1.19	100.0	22	66
113.0	70.0	117 53.5	HS	60 02 23	0846	142	512	2.77	100.0	43	74
113.0	80.0	118 25.0	HS	60 02 23	0646	142	512	1.77	100.0	43	74
117.0	26.0	114 41.5	HS	60 02 22	0129	36	204	1.77	100.0	1	20
117.0	30.0	114 56.5	HS	60 02 21	2328	58	308	1.89	100.0	24	1276
117.0	35.0	115 16.0	HS	60 02 21	2056	134	514	2.61	100.0	172	531
117.0	40.0	115 35.5	HS	60 02 20	2046	125	536	2.34	100.0	148	193
117.0	45.0	115 59.7	HS	60 02 20	1746	118	560	2.11	100.0	255	193
117.0	50.0	116 15.0	HS	60 02 20	1456	156	494	3.16	100.0	63	149
117.0	55.0	116 38.0	HS	60 02 20	1211	129	541	2.39	100.0	169	143
117.0	60.0	116 55.8	HS	60 02 20	1001	138	534	2.59	100.0	183	163
117.0	70.0	117 33.2	HS	60 02 20	0521	104	617	1.68	100.0	64	18
117.0	80.0	118 10.5	HS	60 02 19	2341	106	607	1.75	100.0	55	24
118.0	35.0	115 23.8	HS	60 02 20	2240	126	565	2.24	100.0	128	105
119.0	33.0	114 53.0	HS	60 02 18	0057	88	428	2.05	100.0	34	486
120.0	30.0	114 15.0	HS	60 02 17	2029	77	169	1.58	100.0	20	796
120.0	30.0	114 34.0	HS	60 02 17	2246	77	315	2.43	100.0	29	618
120.0	35.0	114 53.4	HS	60 02 18	0258	68	300	2.26	100.0	80	422
120.0	40.0	115 14.0	HS	60 02 18	1204	31	174	1.81	100.0	151	652
120.0	45.0	115 33.5	HS	60 02 18	1646	91	711	1.28	100.0	367	227
120.0	50.0	115 53.2	HS	60 02 18	1921	104	607	1.71	100.0	198	62

TABLE 1. (cont.)

## CALCOFI Cruise 6002

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	27 23.9	116 12.0	HS	60 02 18	2246	131	527	2.48	100.0	93	62
120.0	27 13.3	116 32.0	HS	60 02 19	0106	136	584	2.33	100.0	65	105
120.0	26 53.0	117 08.2	HS	60 02 19	0600	118	610	1.93	100.0	16	58
120.0	26 35.0	117 48.0	HS	60 02 19	1056	142	469	3.02	100.0	46	39
120.0	26 13.0	118 27.0	HS	60 02 19	1625	106	656	1.61	100.0	103	160
123.0	27 24.2	114 39.5	HS	60 02 17	0944	25	186	1.32	100.0	546	978
123.0	27 20.7	114 56.0	HS	60 02 17	0711	85	728	1.17	100.0	478	999
123.0	27 15.3	115 05.2	HS	60 02 17	0541	92	687	1.34	100.0	619	139
123.0	27 03.8	115 26.0	HS	60 02 17	0256	147	522	2.82	100.0	30	31
123.0	26 50.5	115 47.3	HS	60 02 17	0021	127	564	2.26	100.0	51	170
123.0	26 38.0	116 09.5	HS	60 02 16	2150	136	596	2.78	100.0	488	436
127.0	26 53.7	114 05.3	HS	60 02 16	0419	25	316	0.79	100.0	103	395
127.0	26 41.0	114 28.0	HS	60 02 16	0705	75	780	0.97	100.0	238	500
127.0	26 32.5	114 52.0	HS	60 02 16	0930	124	534	2.53	100.0	84	76
127.0	26 24.0	115 16.0	HS	60 02 16	1211	136	531	2.56	100.0	12	16
127.0	26 13.2	115 28.0	HS	60 02 16	1411	148	531	2.79	100.0	6	17
127.0	26 01.0	115 41.2	HS	60 02 16	1646	111	592	1.88	100.0	229	168
130.0	26 29.0	113 29.0	HS	60 02 15	2328	47	252	1.85	100.0	353	1137
130.0	26 18.7	113 48.2	HS	60 02 15	2101	121	578	2.10	50.0	2904	88
130.0	26 10.2	114 05.0	HS	60 02 15	1821	90	728	1.23	100.0	39	66
130.0	26 01.0	114 27.0	HS	60 02 15	1551	106	624	1.70	100.0	24	21
130.0	25 51.5	114 47.5	HS	60 02 15	1330	150	511	2.93	100.0	17	16
130.0	25 39.5	115 03.0	HS	60 02 15	1105	143	513	2.79	100.0	365	2258
130.0	25 26.0	115 20.5	HS	60 02 14	1333	59	334	1.78	100.0	151	566
133.0	25 55.2	113 07.8	HS	60 02 14	1345	131	508	2.58	100.0	942	311
133.0	25 46.8	113 27.5	HS	60 02 14	1640	113	352	3.22	100.0	339	84
133.0	25 32.1	113 47.5	HS	60 02 14	2056	132	460	2.86	100.0	34	34
133.0	25 21.9	114 06.5	HS	60 02 14	2336	133	525	2.88	100.0	2174	856
133.0	25 12.0	114 29.2	HS	60 02 14	0226	151	460	2.87	100.0	475	235
134.0	25 40.4	113 26.1	HS	60 02 14	1816	123	424	2.89	100.0	703	1499
137.0	25 29.9	112 15.0	HS	60 02 14	0629	24	188	1.50	100.0	56	47
137.0	25 15.7	112 42.9	HS	60 02 14	0316	126	561	2.08	100.0	133	27
137.0	25 06.5	113 02.4	HS	60 02 14	0036	119	609	2.11	100.0	42	11
137.0	24 59.2	113 23.0	HS	60 02 13	2101	137	576	2.38	100.0	32	11
137.0	24 51.8	113 44.5	HS	60 02 13	1800	134	596	2.26	100.0	6	17
137.0	24 40.0	114 02.0	HS	60 02 13	1525	150	627	2.39	100.0	6	17

TABLE 1. (cont.)

## CALCOFI Cruise 6003

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
73.0	51.0	121 20.6	HO	60 03 12	1431	121	512	2.36	100.0	28	6
73.0	55.0	121 29.9	HO	60 03 12	1321	102	615	1.66	100.0	51	40
73.0	60.0	121 51.4	HO	60 03 12	1056	127	522	2.44	100.0	24	77
73.0	70.0	122 41.5	HO	60 03 12	0526	135	502	2.68	100.0	56	153
77.0	50.0	120 50.6	HO	60 03 12	1842	53	598	0.89	50.0	1	9
77.0	55.0	121 11.8	HO	60 03 12	2146	142	468	3.03	100.0	113	92
77.0	34 43.5	121 32.5	HO	60 03 13	0101	154	448	3.44	100.0	358	93
77.0	34 18.0	122 17.5	HO	60 03 13	0526	143	496	2.89	100.0	506	24
80.0	52.0	120 35.3	HO	60 03 14	0921	150	460	3.26	100.0	39	331
80.0	34 19.5	120 48.6	HO	60 03 14	0821	155	457	3.29	100.0	134	310
80.0	34 04.5	121 13.3	HO	60 03 14	0521	125	550	2.27	100.0	205	622
80.0	33 29.0	122 32.0	HO	60 03 13	1956	132	500	2.64	100.0	216	1580
80.0	33 05.0	123 16.0	HO	60 03 13	1511	127	524	2.43	100.0	129	1610
82.0	47.0	119 58.3	HO	60 03 14	1511	136	516	2.63	100.0	431	1727
83.0	43.0	119 22.0	HO	60 03 14	1939	7	95	0.78	100.0	18	1168
83.0	40.0	119 34.6	HO	60 03 14	1755	139	542	2.56	100.0	211	414
83.0	33 51.2	120 07.5	HO	60 03 15	0052	88	348	2.54	100.0	365	314
83.0	33 12.5	120 45.5	HO	60 03 15	0311	125	540	2.31	100.0	138	1411
83.0	70.0	121 28.0	HO	60 03 15	1811	137	490	1.60	100.0	117	298
83.0	33 58.0	122 20.0	HO	60 03 17	0951	143	623	1.60	50.0	244	1523
87.0	35.0	118 37.3	HO	60 03 17	0421	116	505	2.90	100.0	292	809
87.0	40.0	118 58.4	HO	60 03 17	0721	116	505	2.30	100.0	418	319
87.0	33 30.5	119 19.5	HO	60 03 17	0233	63	278	2.51	100.0	987	976
87.0	50.0	119 37.5	HO	60 03 17	0421	124	494	2.26	100.0	502	1026
87.0	55.0	120 05.0	HO	60 03 16	2341	125	523	2.40	100.0	172	306
87.0	60.0	120 21.5	HO	60 03 16	2116	126	535	2.30	100.0	1299	557
87.0	70.0	122 26.0	HO	60 03 16	1601	126	547	2.30	100.0	642	495
87.0	80.0	121 45.9	HO	60 03 16	1106	141	522	2.70	100.0	512	1124
87.0	33 23.0	117 46.5	HO	60 03 17	1816	101	610	1.65	100.0	263	61
90.0	32.0	118 04.0	HO	60 03 17	2056	125	572	2.19	100.0	25	369
90.0	37.0	118 23.5	HO	60 03 17	2331	137	549	2.49	100.0	779	467
90.0	45.0	118 56.3	HO	60 03 18	0316	135	504	2.68	100.0	816	1470
90.0	55.0	119 17.4	HO	60 03 18	0626	106	594	1.78	100.0	330	1399
90.0	60.0	119 42.0	HO	60 03 18	0926	112	598	1.87	100.0	560	1966
90.0	70.0	119 55.0	HO	60 03 18	1156	144	467	3.07	100.0	735	890
90.0	80.0	120 41.7	HO	60 03 18	1816	135	502	2.70	100.0	12	27
90.0	90.0	122 03.0	HO	60 03 18	2306	138	489	2.82	100.0	409	265
90.0	100.0	122 39.0	HO	60 03 19	0406	140	455	3.07	100.0	295	265
93.0	28.0	117 21.1	HO	60 03 21	0206	113	595	1.88	100.0	23	192
93.0	30.0	117 32.3	HO	60 03 21	0006	124	519	2.39	100.0	1329	303
93.0	35.0	117 52.3	HO	60 03 20	2116	145	475	2.39	100.0	830	311
93.0	40.0	118 12.5	HO	60 03 20	1806	123	513	2.06	100.0	1260	316
93.0	45.0	118 32.5	HO	60 03 20	1506	144	471	2.39	100.0	184	341
93.0	55.0	119 18.3	HO	60 03 20	0931	139	452	3.08	50.0	133	266
										1	30



TABLE 1. (cont.)

## CalCOFI Cruise 6003

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	60.0	31 52.0	HO	60 03 20	0716	150	439	3.41	100.0	160	768
93.0	70.0	120 16.5	HO	60 03 20	0231	127	493	2.58	100.0	10	13
93.0	80.0	120 59.0	HO	60 03 19	2136	135	524	2.57	100.0	43	101
93.0	90.0	121 34.0	HO	60 03 19	1716	140	476	2.93	100.0	15	82
93.0	100.0	122 13.0	HO	60 03 19	1246	142	484	2.93	100.0	7	62
97.0	30.0	117 08.2	HO	60 03 21	0949	39	273	1.44	100.0	230	347
97.0	32.0	117 16.7	HO	60 03 21	1106	116	490	2.38	100.0	337	556
97.0	35.0	117 28.5	HO	60 03 21	1246	127	540	2.35	100.0	114	193
97.0	40.0	117 50.0	HO	60 03 21	1506	113	544	2.07	100.0	434	312
97.0	50.0	118 30.0	HO	60 03 21	1941	125	513	2.43	100.0	468	692
97.0	55.0	118 51.5	HO	60 03 21	2201	133	436	3.05	100.0	209	293
97.0	60.0	119 12.0	HO	60 03 22	0516	126	489	2.57	100.0	10	38
97.0	70.0	119 53.5	HO	60 03 22	0836	99	590	1.68	100.0	14	28
97.0	80.0	120 32.0	HO	60 03 22	1341	124	510	2.44	100.0	10	22
97.0	90.0	121 13.5	HO	60 03 22	1341	133	498	2.68	100.0	33	272
97.0	100.0	121 43.5	HO	60 03 23	2246	138	500	2.35	100.0	550	166
100.0	29.0	116 47.0	HO	60 03 23	2031	135	462	2.94	100.0	104	221
100.0	35.0	117 05.6	HO	60 03 23	1811	145	462	3.15	100.0	592	310
100.0	40.0	117 27.0	HO	60 03 23	1536	129	496	2.59	100.0	275	207
100.0	45.0	117 46.6	HO	60 03 23	1336	129	468	2.59	100.0	288	136
100.0	50.0	118 07.5	HO	60 03 23	1026	129	543	2.38	100.0	138	315
100.0	55.0	118 29.0	HO	60 03 23	0801	126	514	2.45	100.0	104	265
100.0	60.0	118 47.0	HO	60 03 23	0256	142	468	3.03	100.0	7	164
100.0	70.0	119 22.0	HO	60 03 23	2241	120	530	2.26	100.0	49	785
100.0	80.0	120 03.5	HO	60 03 22	1826	139	503	2.61	100.0	20	99
100.0	90.0	120 44.4	HO	60 03 22	1114	34	130	2.76	100.0	34	43
103.0	30.0	116 24.5	BD	60 03 28	2231	136	462	2.95	100.0	526	608
103.0	35.0	116 45.0	BD	60 03 28	1951	134	480	2.79	100.0	908	1811
103.0	40.0	117 04.5	BD	60 03 28	1656	141	489	2.89	100.0	673	521
103.0	45.0	117 28.5	BD	60 03 28	1426	145	458	2.89	100.0	6	64
103.0	50.0	117 47.0	BD	60 03 28	1211	144	474	3.16	100.0	54	142
103.0	55.0	118 06.0	BD	60 03 28	0906	139	502	3.05	100.0	24	81
103.0	60.0	118 25.0	BD	60 03 28	0511	140	500	2.95	100.0	9	176
103.0	70.0	119 04.0	BD	60 03 28	0046	138	503	2.79	100.0	30	407
103.0	80.0	119 44.0	BD	60 03 28	2041	136	503	2.73	100.0	53	604
107.0	32.0	116 11.0	BD	60 03 26	0216	137	471	2.89	100.0	1942	789
107.0	35.0	116 22.5	BD	60 03 27	0041	137	460	2.98	100.0	1034	549
107.0	40.0	116 44.5	BD	60 03 27	0041	137	460	2.98	100.0	430	118
107.0	45.0	117 05.0	BD	60 03 27	0301	136	459	2.97	100.0	152	47
107.0	50.0	117 22.5	BD	60 03 27	0516	139	455	3.05	100.0	13	25
107.0	55.0	117 41.0	BD	60 03 27	0731	140	473	2.97	100.0	57	112
107.0	60.0	118 01.5	BD	60 03 27	1016	139	473	2.94	100.0	18	107
107.0	70.0	118 41.0	BD	60 03 27	1536	136	497	2.74	100.0	11	64
107.0	80.0	119 20.5	BD	60 03 27	2011	138	497	2.78	100.0	35	240
110.0	33.0	115 52.0	BD	60 03 26	1542	78	288	2.72	100.0	134	82

TABLE 1. (cont.)

## CalCOFI Cruise 6003

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	29 46.0	116 00.0	BD	60 03 26	1421	142	471	3.01	100.0	477	245
110.0	29 34.5	116 23.0	BD	60 03 26	1126	142	444	3.19	100.0	235	294
110.0	29 25.5	116 41.0	BD	60 03 26	0911	141	470	3.00	100.0	18	64
110.0	29 16.5	116 59.0	BD	60 03 26	0656	143	467	3.06	100.0	5	40
110.0	29 06.5	117 19.0	BD	60 03 26	0421	140	491	2.85	100.0	57	84
110.0	28 56.5	117 38.0	BD	60 03 26	0126	135	494	2.74	100.0	75	145
110.0	28 36.5	117 18.0	BD	60 03 25	1741	139	501	2.77	100.0	5	128
110.0	28 23.0	119 01.5	BD	60 03 25	1246	137	481	2.84	100.0	5	94
110.0	28 14.0	119 27.5	BD	60 03 25	0911	139	468	2.97	100.0	14	153
113.0	29 22.0	115 18.0	BD	60 03 24	0248	53	227	2.32	100.0	5	30
113.0	29 14.5	115 38.0	BD	60 03 24	0456	134	460	2.99	100.0	1716	308
113.0	29 04.0	115 57.0	BD	60 03 24	0711	135	473	2.61	100.0	505	29
113.0	28 52.0	116 16.0	BD	60 03 24	0946	141	473	2.97	100.0	95	8
113.0	28 41.5	116 36.5	BD	60 03 24	1210	145	455	3.20	100.0	20	45
113.0	28 32.0	116 57.0	BD	60 03 24	1511	139	468	2.96	100.0	77	66
113.0	28 22.0	117 16.5	BD	60 03 24	1726	138	472	2.90	100.0	21	74
113.0	28 03.5	117 52.0	BD	60 03 24	2221	144	426	2.97	100.0	3	396
113.0	27 46.0	118 27.0	BD	60 03 23	2203	69	246	3.39	100.0	2	105
117.0	28 56.0	114 41.5	BD	60 03 23	2203	69	246	2.82	100.0	72	98
117.0	28 48.0	114 56.5	BD	60 03 23	2013	70	260	2.71	100.0	272	122
117.0	28 38.0	115 16.0	BD	60 03 23	1736	142	474	3.00	100.0	63	140
117.0	28 28.0	115 35.5	BD	60 03 23	1556	115	381	3.03	100.0	507	471
117.0	28 18.5	116 04.5	BD	60 03 22	2017	111	380	2.93	100.0	2627	694
117.0	28 04.0	116 20.0	BD	60 03 22	1442	106	363	2.92	100.0	1780	115
117.0	27 57.5	116 35.0	BD	60 03 22	1106	134	321	4.17	100.0	876	120
117.0	27 48.0	116 55.0	BD	60 03 22	0716	135	466	2.90	100.0	268	153
117.0	27 48.0	117 32.5	BD	60 03 22	0301	137	517	2.65	100.0	1023	234
117.0	27 08.0	118 10.5	BD	60 03 21	2131	134	502	2.67	100.0	9	103
117.0	27 08.0	118 10.5	BD	60 03 21	2131	134	502	3.07	100.0	140	180
118.0	28 18.5	115 23.7	BD	60 03 23	0411	138	451	3.07	100.0	140	180
119.0	28 19.0	114 53.0	BD	60 03 20	0457	93	407	2.29	100.0	234	81
120.0	28 22.5	114 15.0	BD	60 03 20	0049	47	193	2.45	100.0	293	1118
120.0	28 13.0	114 34.0	BD	60 03 20	0049	79	323	2.45	100.0	125	441
120.0	28 03.0	114 54.0	BD	60 03 20	0703	50	216	2.33	100.0	43	391
120.0	27 56.5	115 14.0	BD	60 03 20	0929	36	154	2.31	100.0	362	63
120.0	27 43.0	115 33.0	BD	60 03 20	1441	135	326	4.15	100.0	148	244
120.0	27 33.0	115 52.5	BD	60 03 20	2025	132	356	3.72	100.0	570	86
120.0	27 23.5	116 12.0	BD	60 03 20	2336	136	478	2.85	100.0	971	60
120.0	27 15.0	116 31.0	BD	60 03 21	0201	135	471	2.86	100.0	1489	181
120.0	26 57.0	117 11.0	BD	60 03 21	0601	129	466	2.76	100.0	466	161
120.0	26 37.0	117 55.0	BD	60 03 21	1026	136	483	2.83	100.0	29	94
120.0	26 14.0	118 27.0	BD	60 03 21	1556	136	472	2.88	100.0	29	93
123.0	27 24.0	114 40.0	BD	60 03 19	0559	46	208	2.22	100.0	208	29
123.0	27 13.5	114 55.8	BD	60 03 19	0305	136	480	2.84	100.0	573	288
123.0	27 07.5	115 09.5	BD	60 03 19	0131	139	480	2.89	100.0	747	359
123.0	26 58.8	115 30.0	BD	60 03 18	2256	140	448	3.13	100.0	225	133

TABLE 1. (cont.)

## CALCOFI Cruise 6003

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
123.0	26 50.0	115 50.5	BD	60 03 18	2026	139	474	2.93	100.0	137	29
123.0	26 43.5	116 06.0	BD	60 03 18	1826	138	484	2.85	100.0	431	113
127.0	26 55.0	114 06.5	BD	60 03 18	0118	55	221	2.50	100.0	950	125
127.0	26 43.5	114 29.0	BD	60 03 18	0401	134	501	2.68	100.0	1024	186
127.0	26 33.0	114 48.5	BD	60 03 18	0641	127	486	2.62	100.0	158	229
127.0	26 23.0	115 08.0	BD	60 03 18	0846	134	478	2.79	100.0	79	22
127.0	26 13.5	115 27.0	BD	60 03 18	1116	136	460	2.95	100.0	12	30
127.0	26 03.5	115 46.5	BD	60 03 18	1351	137	463	2.96	100.0	2	6
130.0	26 29.0	113 29.0	BD	60 03 17	2029	50	215	2.33	100.0	288	244
130.0	26 19.5	113 49.0	BD	60 03 17	1806	136	491	2.76	100.0	845	169
130.0	26 10.7	114 06.0	BD	60 03 17	1506	141	486	2.93	100.0	61	25
130.0	26 00.1	114 27.0	BD	60 03 17	1241	137	403	3.40	100.0	38	32
130.0	25 51.0	114 45.5	BD	60 03 17	1021	138	503	2.75	100.0	56	8
130.0	25 39.0	115 04.0	BD	60 03 17	0746	139	470	2.86	100.0	85	25
130.0	26 04.5	112 16.0	BD	60 03 17	0541	142	480	2.95	100.0	61	239
133.0	25 54.5	113 07.5	BD	60 03 16	0644	69	265	2.68	100.0	64	315
133.0	25 44.5	113 26.5	BD	60 03 16	1640	140	523	2.70	100.0	38	30
133.0	25 34.5	113 45.5	BD	60 03 16	1901	136	479	2.84	100.0	218	144
133.0	25 24.0	114 05.0	BD	60 03 16	2116	144	458	3.14	100.0	299	634
133.0	25 14.5	114 24.0	BD	60 03 16	2331	142	464	3.06	100.0	197	149
134.0	25 38.0	113 25.0	BD	60 03 16	1531	141	506	2.79	100.0	159	198
137.0	25 34.0	112 18.8	BD	60 03 16	0143	54	217	2.49	100.0	511	104
137.0	25 20.0	112 46.0	BD	60 03 15	2221	142	506	2.81	100.0	133	332
137.0	25 10.0	113 04.5	BD	60 03 15	2001	144	471	3.05	100.0	103	7605
137.0	25 05.3	113 26.3	BD	60 03 15	1636	141	444	3.18	100.0	30	8
137.0	24 51.0	114 43.5	BD	60 03 15	1401	138	462	2.99	100.0	5	25
137.0	24 40.0	114 02.0	BD	60 03 15	1126	141	511	2.76	100.0	31	

TABLE 1. (cont.)

## CALCOFI Cruise 6004

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
40.0	38.0	41 47.5	HO	60 04 24	2051	118	484	2.45	100.0	1	8
40.0	40.0	41 47.0	HO	60 04 24	1901	121	568	2.13	100.0	2	14
40.0	45.0	41 31.4	HO	60 04 24	1956	128	550	2.33	100.0	47	26
40.0	50.0	41 24.0	HO	60 04 24	0926	136	489	2.78	100.0	24	33
40.0	55.0	41 13.5	HO	60 04 24	0626	135	502	2.68	100.0	34	16
40.0	60.0	41 03.0	HO	60 04 24	0351	141	484	2.91	100.0	86	7
40.0	70.0	40 43.0	HO	60 04 23	2221	134	506	2.64	100.0	77	21
40.0	80.0	40 22.5	HO	60 04 23	1706	136	497	2.73	100.0	19	140
40.0	90.0	40 03.0	HO	60 04 23	1031	108	601	1.80	100.0	10	10
43.0	42.0	41 04.2	HO	60 04 25	0556	135	542	2.49	100.0	7	31
43.0	45.0	40 54.8	HO	60 04 25	0506	135	522	2.58	100.0	47	39
43.0	50.0	40 46.6	HO	60 04 25	0831	143	493	2.91	100.0	13	20
43.0	55.0	40 35.0	HO	60 04 25	1121	123	567	2.18	100.0	37	22
43.0	60.0	40 28.5	HO	60 04 25	1446	122	571	2.13	100.0	18	9
43.0	90.0	30 34.0	HO	60 04 22	1451	128	544	2.35	100.0	70	20
47.0	55.0	40 04.0	HO	60 04 25	2331	142	464	3.05	100.0	50	24
47.0	60.0	39 53.5	HO	60 04 25	2021	126	572	2.20	100.0	113	20
47.0	90.0	38 53.5	HO	60 04 22	0911	133	534	2.50	100.0	38	279
50.0	47.0	39 46.8	HO	60 04 20	1518	174	366	2.04	100.0	8	25
50.0	50.0	39 40.5	HO	60 04 20	1731	128	540	2.37	50.0	6	12
50.0	55.0	39 38.4	HO	60 04 20	2101	114	575	1.99	100.0	87	48
50.0	60.0	39 18.4	HO	60 04 21	0041	142	481	2.95	100.0	120	292
50.0	70.0	38 58.0	HO	60 04 21	0621	148	482	3.07	100.0	10	3
50.0	80.0	38 43.5	HO	60 04 21	1036	133	541	2.46	100.0	11	9
50.0	90.0	38 18.5	HO	60 04 21	1821	132	547	2.41	100.0	22	110
53.0	52.0	39 02.0	HO	60 04 20	0947	104	380	2.73	100.0	15	11
53.0	55.0	38 55.0	HO	60 04 20	0756	151	489	3.08	100.0	46	27
53.0	60.0	38 47.5	HO	60 04 20	0336	99	616	3.06	100.0	162	42
53.0	70.0	38 26.5	HO	60 04 19	2221	129	510	2.54	100.0	70	23
53.0	80.0	38 29.0	HO	60 04 19	0428	55	414	1.53	100.0	6	56
57.0	55.0	38 21.0	HO	60 04 19	0706	128	562	2.28	100.0	29	26
57.0	60.0	38 10.4	HO	60 04 19	1126	152	458	3.31	100.0	16	10
57.0	70.0	37 51.0	HO	60 04 19	1616	113	519	2.17	25.0	4	6
60.0	52.0	37 54.0	HO	60 04 18	2058	62	247	3.84	100.0	10	7
60.0	55.0	37 53.8	HO	60 04 18	0001	158	413	3.84	100.0	81	31
60.0	60.0	37 31.2	HO	60 04 15	1351	122	551	2.22	100.0	30	17
60.0	70.0	37 21.3	HO	60 04 15	0836	153	463	3.30	100.0	17	93
60.0	80.0	37 00.0	HO	60 04 15	0241	132	525	2.51	25.0	13	5
60.0	90.0	36 41.9	HO	60 04 14	2116	127	509	2.50	100.0	37	24
63.0	52.0	37 17.0	HO	60 04 13	1738	59	263	2.26	100.0	3	7
63.0	55.0	37 09.0	HO	60 04 13	1956	134	522	2.56	100.0	65	60
63.0	60.0	36 57.0	HO	60 04 13	2301	135	523	2.57	100.0	59	33
63.0	70.0	36 31.5	HO	60 04 14	0426	145	486	2.98	50.0	62	14
63.0	80.0	36 14.5	HO	60 04 14	0851	133	526	2.53	50.0	12	5
63.0	90.0	35 58.1	HO	60 04 14	1426	130	526	2.47	100.0	15	3

TABLE 1. (cont.)

## CalCOFI Cruise 6004

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
67.0	50.0	36 44.7	HO	60 04 13	1226	124	516	2.41	100.0	15	42
67.0	55.0	36 44.5	HO	60 04 13	0915	130	497	2.61	25.0	37	9
67.0	66 34.7	122 43.7	HO	60 04 13	0625	127	464	2.73	12.5	8	4
67.0	70.0	35 12.5	HO	60 04 13	0001	145	413	3.51	50.0	83	95
67.0	80.0	35 51.3	HO	60 04 12	1901	120	524	2.28	50.0	99	37
67.0	80.0	35 26.0	HO	60 04 12	1316	120	563	2.13	50.0	22	13
70.0	52.0	36 08.2	HO	60 04 11	0715	111	529	2.09	100.0	170	24
70.0	55.0	36 02.8	HO	60 04 11	0935	129	511	2.52	100.0	65	57
70.0	35 31.0	122 08.0	HO	60 04 11	1806	133	498	2.67	50.0	27	10
70.0	80.0	35 15.7	HO	60 04 12	0330	138	483	2.86	25.0	21	1270
70.0	90.0	34 56.4	HO	60 04 12	0815	132	491	2.68	50.0	8	40
70.0	90.0	35 33.1	HO	60 04 11	0125	127	507	2.50	100.0	63	14
73.0	60.0	35 12.5	HO	60 04 10	1856	121	514	2.35	100.0	29	78
73.0	70.0	34 58.5	HO	60 04 10	0756	127	510	2.50	100.0	47	31
73.0	80.0	34 34.5	HO	60 04 10	0240	151	536	2.38	100.0	47	44
73.0	80.0	34 17.0	HO	60 04 10	0240	151	435	3.48	100.0	76	611
77.0	51.0	34 52.9	HO	60 04 08	1651	123	476	2.58	100.0	32	50
77.0	55.0	34 48.4	HO	60 04 08	1921	127	478	2.65	100.0	61	859
77.0	65.0	34 36.0	HO	60 04 09	0125	129	467	2.76	100.0	209	99
77.0	70.0	34 08.5	HO	60 04 09	1311	127	541	2.35	100.0	38	44
77.0	80.0	34 01.5	HO	60 04 09	1556	130	501	2.60	100.0	65	107
80.0	52.0	34 24.8	HO	60 04 09	2056	132	493	2.68	100.0	96	87
80.0	53.0	34 23.0	HO	60 04 08	0950	135	503	2.49	100.0	183	95
80.0	55.0	34 11.5	HO	60 04 08	0850	134	448	2.99	100.0	190	924
80.0	60.0	34 04.0	HO	60 04 08	0620	99	574	1.72	100.0	132	432
80.0	65.0	33 56.5	HO	60 04 08	0305	114	517	2.20	100.0	340	960
80.0	70.0	33 49.0	HO	60 04 08	0006	144	445	3.24	100.0	272	2266
80.0	75.0	33 42.5	HO	60 04 07	2141	137	451	3.03	100.0	158	992
80.0	80.0	33 29.5	HO	60 04 07	1846	148	418	3.54	100.0	23	33
80.0	85.0	33 19.0	HO	60 04 07	1626	135	516	2.80	100.0	234	64
80.0	90.0	33 07.5	HO	60 04 07	1331	103	574	1.86	100.0	69	12
82.0	47.0	34 15.0	HO	60 04 06	1045	134	469	2.86	100.0	41	120
83.0	40.0	34 12.8	HO	60 04 06	0320	94	568	1.66	100.0	393	37
83.0	43.0	34 07.8	HO	60 04 06	0010	103	83	1.14	100.0	656	296
83.0	51.0	33 52.0	HO	60 04 06	0830	126	492	1.79	50.0	252	96
83.0	55.0	33 43.5	HO	60 04 06	1100	132	443	2.98	100.0	181	219
83.0	60.0	33 33.5	HO	60 04 06	1341	97	568	1.70	100.0	121	507
83.0	65.0	33 24.3	HO	60 04 06	1556	108	516	2.09	100.0	75	363
83.0	70.0	33 08.5	HO	60 04 06	1911	122	490	2.49	100.0	238	167
83.0	75.0	33 01.3	HO	60 04 06	2121	127	478	2.66	100.0	527	732
83.0	80.0	32 52.2	HO	60 04 07	0011	134	490	2.74	100.0	7	371
83.0	85.0	32 43.0	HO	60 04 07	0225	110	556	2.97	100.0	42	61
83.0	90.0	32 34.5	HO	60 04 07	0540	132	481	2.75	100.0	31	65
87.0	35.0	118 37.0	HO	60 04 05	1711	136	458	2.96	100.0	813	415

TABLE 1. (cont.)

## CALCOFI Cruise 6004

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	40-0	33 40.0	HO	60 04 05	1226	131	507	2.59	100.0	349	302
87-0	45-0	119 19.6	HO	60 04 05	1045	146	456	3.20	100.0	293	606
87-0	50-0	33 20.1	HO	60 04 05	0808	50	215	2.31	100.0	201	6042
87-0	55-0	33 02.2	HO	60 04 05	0420	122	392	3.12	100.0	584	795
87-0	60-0	32 53.0	HO	60 04 05	0045	151	424	3.57	100.0	324	2122
87-0	65-0	32 44.5	HO	60 04 04	2126	149	430	3.48	100.0	353	696
87-0	70-0	32 35.0	HO	60 04 04	1731	132	476	2.77	100.0	932	932
87-0	75-0	32 27.5	HO	60 04 04	1451	132	480	2.76	100.0	128	175
87-0	80-0	32 18.5	HO	60 04 04	1236	143	465	3.08	100.0	23	40
87-0	85-0	32 11.0	HO	60 04 04	0950	127	514	2.47	100.0	57	230
87-0	90-0	31 58.0	HO	60 04 04	0655	113	546	2.08	100.0	30	694
90-0	90-0	31 58.0	HO	60 04 01	2051	117	436	2.68	100.0	327	1152
90-0	90-0	33 20.5	HO	60 04 02	2335	151	577	2.62	100.0	267	1988
90-0	32-0	33 20.5	HO	60 04 02	0310	154	432	3.56	100.0	530	883
90-0	37-0	32 55.0	HO	60 04 02	1035	110	585	1.87	100.0	328	1195
90-0	45-0	32 46.7	HO	60 04 02	0735	146	423	3.46	100.0	744	1102
90-0	55-0	32 34.4	HO	60 04 02	1401	130	469	2.77	100.0	226	1956
90-0	60-0	32 23.5	HO	60 04 02	1716	152	445	3.42	100.0	407	524
90-0	65-0	32 14.0	HO	60 04 02	1941	131	506	2.58	100.0	1421	179
90-0	70-0	32 03.2	HO	60 04 02	2301	141	449	3.15	100.0	46	80
90-0	75-0	31 52.5	HO	60 04 03	0120	135	498	2.71	100.0	59	22
90-0	80-0	31 41.5	HO	60 04 03	0555	85	657	1.29	100.0	27	119
90-0	85-0	31 33.0	HO	60 04 03	0750	129	478	2.69	100.0	120	144
90-0	90-0	31 21.5	HO	60 04 03	1055	148	443	3.33	100.0	64	146
90-0	95-0	31 11.5	HO	60 04 03	1336	123	522	2.35	100.0	115	264
90-0	100-0	31 05.0	HO	60 04 03	1811	126	482	2.61	100.0	66	166
93-0	28-0	32 54.7	HS	60 03 29	1456	132	496	2.61	100.0	455	429
93-0	30-0	32 50.0	HS	60 03 29	1711	133	482	2.76	100.0	314	191
93-0	35-0	32 40.0	HS	60 03 29	1956	141	501	2.82	100.0	659	143
93-0	40-0	32 30.0	HS	60 03 29	2311	137	482	2.84	100.0	556	25
93-0	45-0	32 24.0	HS	60 03 30	0546	152	463	3.29	100.0	95	284
93-0	50-0	32 16.3	HS	60 03 30	0846	147	446	3.29	100.0	141	217
93-0	55-0	32 03.3	HS	60 03 30	0841	145	447	3.25	100.0	475	188
93-0	65-0	31 38.5	HS	60 03 30	1556	136	461	2.91	100.0	81	261
93-0	70-0	31 34.0	HS	60 03 30	1926	133	455	2.81	100.0	7	121
93-0	75-0	31 22.3	HS	60 03 30	2246	133	472	2.81	100.0	54	39
93-0	80-0	31 12.6	HS	60 03 31	0225	164	465	3.59	100.0	22	28
93-0	85-0	31 02.8	HS	60 03 31	0431	138	453	3.03	100.0	115	53
93-0	90-0	30 52.8	HS	60 03 31	0801	146	467	3.14	100.0	288	104
93-0	95-0	30 40.6	HS	60 03 31	1116	151	456	3.31	100.0	42	108
93-0	100-0	30 32.0	HS	60 03 31	1426	135	512	2.63	100.0	9	48
97-0	30-0	32 15.4	HS	60 04 02	1709	131	510	2.06	100.0	31	940
97-0	32-0	32 11.7	HS	60 04 02	1916	112	547	2.05	100.0	666	427
97-0	35-0	32 05.5	HS	60 04 02	0836	134	460	2.92	100.0	255	953

TABLE 1. (cont.)

## CalCOFI Cruise 6004

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	45.0	118 07.5	HS	60 04 02	0351	134	475	2.81	100.0	427	768
97.0	31 35.0	118 30.0	HS	60 04 02	0111	131	489	2.67	50.0	321	876
97.0	31 35.5	118 52.0	HS	60 04 01	2141	144	458	3.15	100.0	487	385
97.0	31 28.0	119 21.0	HS	60 04 01	1756	134	448	2.98	100.0	19	197
97.0	31 14.0	119 35.5	HS	60 04 01	1441	144	456	3.16	100.0	5	180
97.0	30 57.0	119 51.5	HS	60 04 01	1541	133	450	3.07	100.0	26	176
97.0	30 47.0	120 10.0	HS	60 04 01	0756	140	464	2.92	100.0	26	301
97.0	30 35.0	120 34.0	HS	60 04 01	0431	143	472	3.03	100.0	85	222
97.0	30 25.5	120 50.8	HS	60 04 01	0941	139	474	2.93	100.0	127	520
97.0	31 45.2	121 10.5	HS	60 03 31	2156	137	511	3.03	100.0	149	213
100.0	29.0	116 43.4	HS	60 04 02	2351	102	451	1.86	100.0	490	125
100.0	31 40.7	116 46.7	HS	60 04 03	0101	119	478	2.50	100.0	363	69
100.0	31 32.2	117 07.0	HS	60 04 03	0331	134	489	2.75	100.0	1069	235
100.0	40.0	117 28.2	HS	60 04 03	0641	114	519	2.20	100.0	226	450
100.0	31 08.2	117 46.0	HS	60 04 03	0921	127	488	2.60	100.0	83	127
100.0	31 05.0	118 12.0	HS	60 04 03	1451	126	501	2.51	100.0	139	1802
100.0	30 50.5	118 27.0	HS	60 04 03	1811	132	491	2.68	100.0	151	513
100.0	30 42.0	118 48.0	HS	60 04 03	1911	114	457	2.15	100.0	60	294
100.0	30 32.8	119 08.5	HS	60 04 03	2031	141	467	2.02	100.0	91	811
100.0	30 24.0	119 29.2	HS	60 04 03	2351	113	502	2.26	100.0	53	403
100.0	30 15.0	119 50.0	HS	60 04 04	0226	147	458	3.22	100.0	160	1207
100.0	30 07.0	120 10.0	HS	60 04 04	0536	116	528	2.20	100.0	56	211
100.0	85.0	120 27.0	HS	60 04 04	0826	129	487	2.65	100.0	198	453
100.0	85.0	120 45.5	HS	60 04 04	1126	120	512	2.34	100.0	44	236
103.0	30 01	116 24.5	HS	60 04 06	2341	124	165	1.46	100.0	218	17
103.0	35.0	116 45.0	HS	60 04 05	2541	135	467	2.53	100.0	247	294
103.0	30 56.0	116 45.0	HS	60 04 05	2306	127	503	2.89	100.0	307	84
103.0	40.0	117 04.5	HS	60 04 05	2021	135	478	2.83	100.0	229	68
103.0	30 36.0	117 24.0	HS	60 04 05	1716	125	514	2.43	100.0	258	800
103.0	30 26.0	117 44.5	HS	60 04 05	1441	118	526	2.17	100.0	151	294
103.0	50.0	118 01.5	HS	60 04 05	1201	118	542	2.17	100.0	151	294
103.0	55.0	118 22.0	HS	60 04 05	0931	126	500	2.52	100.0	61	123
103.0	60.0	118 41.9	HS	60 04 05	0636	93	538	1.73	100.0	30	123
103.0	65.0	119 00.9	HS	60 04 05	0416	116	530	2.18	100.0	84	424
103.0	70.0	119 21.3	HS	60 04 05	0041	130	507	2.57	100.0	33	257
103.0	75.0	119 42.0	HS	60 04 04	2216	130	432	3.01	100.0	65	124
103.0	80.0	120 04.2	HS	60 04 04	1906	130	502	2.60	100.0	54	86
103.0	85.0	120 23.1	HS	60 04 04	1636	125	521	2.40	100.0	14	34
103.0	90.0	116 11.1	HS	60 04 06	0756	128	438	2.91	100.0	169	1000
107.0	35.0	116 21.3	HS	60 04 06	1011	125	477	2.62	50.0	261	4704
107.0	40.0	116 42.0	HS	60 04 06	1401	126	510	2.46	100.0	94	247
107.0	45.0	117 02.0	HS	60 04 06	1631	109	514	2.11	100.0	28	66
107.0	50.0	117 22.3	HS	60 04 11	0356	135	506	2.68	100.0	11	52
107.0	55.0	117 43.3	HS	60 04 11	0626	148	511	2.89	100.0	9	57
107.0	60.0	118 05.4	HS	60 04 11	0936	142	497	2.86	100.0	47	217

TABLE 1. (cont.)

## CALCOFI Cruise 6004

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- and Haul Factor	Percent Sorted	Total Larvae	Total Eggs
107.0	29 27.0	118 20.8	HS	60 04 11	1131	126	532	2.36	100.0	103	336
107.0	29 11.5	119 00.0	HS	60 04 11	2241	124	533	2.34	100.0	35	73
107.0	29 02.0	118 40.0	HS	60 04 12	0121	140	495	2.83	100.0	15	81
107.0	29 01.0	119 19.0	HS	60 04 12	0631	143	516	2.76	100.0	3	69
107.0	28 54.0	119 43.2	HS	60 04 12	1016	131	549	2.38	100.0	8	41
107.0	28 33.2	119 59.0	HS	60 04 12	1426	139	490	2.84	100.0	4	130
110.0	29 48.8	115 52.2	HS	60 04 14	0923	53	347	1.51	100.0	445	99
110.0	29 45.1	116 01.2	HS	60 04 14	0901	126	556	2.57	100.0	305	114
110.0	29 31.3	116 24.8	HS	60 04 14	0531	141	548	2.57	100.0	223	31
110.0	40.0	116 43.0	HS	60 04 14	0216	123	487	2.53	100.0	568	19
110.0	29 22.8	117 02.0	HS	60 04 13	2341	122	617	1.98	100.0	564	37
110.0	29 14.1	117 20.8	HS	60 04 13	2026	125	495	2.53	100.0	42	124
110.0	29 06.0	117 43.0	HS	60 04 13	1746	150	580	2.59	100.0	14	25
110.0	28 56.3	117 43.0	HS	60 04 13	1351	135	505	2.67	100.0	9	83
110.0	28 48.0	118 00.0	HS	60 04 13	1121	128	487	2.64	100.0	43	136
110.0	28 39.0	118 18.0	HS	60 04 13	0726	137	520	2.64	100.0	27	172
110.0	28 31.7	119 05.3	HS	60 04 13	0411	134	438	3.06	100.0	29	115
110.0	28 23.7	119 20.3	HS	60 04 12	2326	146	507	2.87	100.0	35	194
110.0	28 10.3	119 35.3	HS	60 04 12	1946	130	515	2.53	100.0	47	348
110.0	27 56.6	119 22.0	HS	60 04 14	1443	48	209	2.52	100.0	17	9
113.0	30.0	115 18.0	HS	60 04 14	1751	124	560	2.22	100.0	89	48
113.0	29 12.0	115 37.2	HS	60 04 14	2116	141	478	2.95	100.0	715	150
113.0	40.0	116 57.0	HS	60 04 14	2346	131	502	2.61	100.0	968	109
113.0	45.0	116 18.0	HS	60 04 15	0331	134	522	2.57	100.0	132	55
113.0	50.0	116 36.5	HS	60 04 15	0621	148	491	3.01	100.0	10	16
113.0	28 32.0	116 57.0	HS	60 04 15	0941	142	508	2.79	100.0	91	8
113.0	28 21.4	117 17.3	HS	60 04 15	0941	139	532	2.62	100.0	79	19
113.0	28 13.8	118 02.0	HS	60 04 15	1631	150	480	3.11	100.0	31	101
113.0	28 16.0	118 23.8	HS	60 04 15	1941	132	658	2.01	100.0	26	243
113.0	80.0	118 27.2	HS	60 04 15	2356	152	505	3.05	100.0	56	850
113.0	27 30.2	118 45.0	HS	60 04 16	0321	145	505	3.08	100.0	113	70
113.0	27 34.5	119 06.0	HS	60 04 16	0706	28	217	2.88	100.0	41	49
113.0	27 41.2	119 45.0	HS	60 04 18	0349	28	217	1.27	100.0	54	206
117.0	26.0	114 42.2	HS	60 04 18	0043	51	329	1.56	100.0	987	1035
117.0	30.0	114 56.4	HS	60 04 17	2201	106	580	2.14	100.0	2916	993
117.0	35.0	115 10.9	HS	60 04 17	1701	121	566	1.83	100.0	479	177
117.0	40.0	115 27.7	HS	60 04 17	1356	126	566	1.86	100.0	1152	192
117.0	45.0	115 56.7	HS	60 04 17	1131	118	599	2.33	100.0	498	62
117.0	50.0	116 13.7	HS	60 04 17	0806	118	599	1.97	100.0	25	5
117.0	55.0	116 34.5	HS	60 04 17	0531	148	494	3.00	100.0	66	45
117.0	60.0	116 55.1	HS	60 04 17	0216	113	572	1.97	100.0	544	25
117.0	65.0	117 14.0	HS	60 04 17	2336	121	548	2.21	100.0	472	76
117.0	70.0	117 32.7	HS	60 04 16	2021	108	616	1.75	100.0	32	1507
117.0	75.0	117 51.4	HS	60 04 16	1751	136	510	2.67	100.0	9	1897
117.0	80.0	118 10.4	HS	60 04 16	1446	118	567	2.69	100.0	70	323
117.0	85.0	118 28.0	HS	60 04 16							



TABLE 1. (cont.)

## CalCOFI Cruise 6004

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
117.0	26 06.7	118 42.2	HS	60 04 16	1216	140	513	2.72	100.0	27	89
118.0	28 18.5	115 23.7	HS	60 04 17	1911	121	512	2.37	100.0	1074	68
119.0	28 20.2	114 54.4	HS	60 04 18	1553	69	278	2.49	100.0	50	1390
120.0	28 22.5	114 15.0	HS	60 04 18	0809	20	245	0.83	100.0	142	861
120.0	28 17.2	114 31.2	HS	60 04 18	1038	46	379	1.23	100.0	43	2545
120.0	28 04.2	114 52.2	HS	60 04 18	1338	50	338	1.47	100.0	18	21
120.0	27 56.0	115 14.0	BD	60 04 16	1254	33	171	1.94	100.0	42	126
120.0	28 04.0	115 54.0	BD	60 04 16	0741	110	627	1.75	100.0	134	58
120.0	27 51.0	116 11.0	BD	60 04 16	0431	150	503	2.97	100.0	85	18
120.0	27 39.0	116 27.0	BD	60 04 16	0156	141	507	2.78	100.0	47	28
120.0	27 26.0	116 44.0	BD	60 04 15	2241	142	493	2.87	100.0	62	14
120.0	27 13.0	117 00.0	BD	60 04 15	2011	134	530	2.54	100.0	38	252
120.0	27 07.0	117 17.0	BD	60 04 15	1751	152	504	3.01	100.0	12	54
120.0	26 47.0	117 34.0	BD	60 04 15	1356	141	494	2.85	100.0	15	139
120.0	26 35.0	117 50.0	BD	60 04 15	1031	137	517	2.65	100.0	10	84
120.0	26 32.0	118 08.0	BD	60 04 15	0736	143	529	2.70	100.0	2	226
120.0	26 17.0	118 25.0	BD	60 04 15	0336	140	492	2.85	100.0	18	174
123.0	27 24.0	114 40.0	BD	60 04 16	1828	57	330	1.71	100.0	26	150
123.0	27 14.0	114 58.5	BD	60 04 16	2041	133	522	2.55	100.0	127	23
123.0	27 08.0	115 11.5	BD	60 04 16	2316	140	522	2.68	100.0	57	51
123.0	26 59.5	115 28.5	BD	60 04 17	0126	137	575	2.39	100.0	26	227
123.0	26 51.0	115 46.0	BD	60 04 17	0431	138	512	2.69	100.0	3	51
123.0	26 42.0	116 02.0	BD	60 04 17	0646	113	505	2.83	100.0	9	325
123.0	26 30.0	116 26.0	BD	60 04 17	1011	131	552	2.37	100.0	4	322
123.0	26 22.0	116 42.5	BD	60 04 17	1251	135	563	2.40	100.0	25	279
123.0	26 09.0	117 06.5	BD	60 04 17	1641	136	565	2.41	100.0	11	183
123.0	25 59.0	117 26.0	BD	60 04 17	1946	140	506	2.78	100.0	44	137
127.0	26 43.5	114 09.5	BD	60 04 19	0353	61	326	1.87	100.0	93	63
127.0	26 55.0	114 29.0	BD	60 04 19	0041	141	567	2.48	100.0	120	56
127.0	26 33.0	114 48.5	BD	60 04 18	2156	143	491	2.92	100.0	27	12
127.0	26 22.5	115 06.5	BD	60 04 18	1841	141	506	2.78	100.0	31	14
127.0	26 13.0	115 23.0	BD	60 04 18	1611	144	521	2.77	100.0	13	123
127.0	26 03.0	115 46.5	BD	60 04 18	1311	141	523	2.70	100.0	59	147
127.0	25 52.0	116 06.0	BD	60 04 18	1036	142	503	2.82	100.0	8	115
127.0	25 43.0	116 28.0	BD	60 04 18	0706	144	485	2.96	100.0	10	399
127.0	25 42.0	116 46.0	BD	60 04 18	0416	140	523	2.67	100.0	80	880
127.0	25 26.0	117 04.0	BD	60 04 18	0056	139	538	2.59	100.0	40	242
130.0	26 29.0	113 29.0	BD	60 04 19	0818	68	282	2.42	100.0	8	35
130.0	26 19.5	113 50.5	BD	60 04 19	1021	140	495	2.49	100.0	30	49
130.0	26 08.5	114 08.0	BD	60 04 19	1256	138	520	2.65	100.0	26	303
130.0	26 00.0	114 26.5	BD	60 04 19	1556	139	490	2.84	100.0	91	152
130.0	25 50.0	114 44.0	BD	60 04 19	1806	124	520	2.39	100.0	146	14
130.0	25 39.0	115 04.0	BD	60 04 19	2056	139	472	2.95	100.0	173	4
130.0	25 29.0	115 24.0	BD	60 04 19	2321	142	500	2.85	100.0	31	158
133.0	26 04.5	112 48.0	BD	60 04 21	0203	62	248	2.49	100.0	100	

TABLE 1. (cont.)

## CALCOFI Cruise 6004

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
133.0	25 55.0	113 16.5	BD	60 04 20	2236	139	482	2.88	100.0	49	9
133.0	25 46.0	113 27.0	BD	60 04 20	2006	135	506	2.67	100.0	239	16
133.0	25 34.5	113 45.5	BD	60 04 20	1536	142	495	2.86	100.0	16	46
133.0	25 24.0	114 05.0	BD	60 04 20	1306	142	504	2.82	100.0	12	11
133.0	25 18.0	114 25.0	BD	60 04 20	1006	141	506	2.78	100.0	9	3
133.0	25 07.0	114 42.0	BD	60 04 20	0746	142	491	2.89	100.0	11	4
133.0	25 54.6	115 02.0	BD	60 04 20	0421	140	490	2.87	100.0	53	28
134.0	25 38.0	113 25.0	BD	60 04 20	1902	115	408	2.82	100.0	140	6
137.0	25 34.0	113 19.0	BD	60 04 21	0618	61	254	2.39	100.0	12	15
137.0	25 20.0	112 46.0	BD	60 04 21	0926	138	469	2.95	100.0	4	1
137.0	25 10.5	113 03.5	BD	60 04 21	1156	124	514	2.41	100.0	2	10
137.0	25 00.0	113 23.5	BD	60 04 21	1506	138	528	2.62	100.0	11	523
137.0	24 48.5	113 44.5	BD	60 04 21	1816	140	529	2.65	100.0	9	31
137.0	24 40.0	114 00.0	BD	60 04 21	2031	140	526	2.74	100.0	95	11
137.0	24 30.0	114 18.0	BD	60 04 21	2316	141	515	2.67	100.0	33	324
137.0	24 20.0	114 36.0	BD	60 04 21	0136	140	549	2.56	100.0	22	497
137.0	24 10.0	114 59.0	BD	60 04 22	0421	140	520	2.69	100.0	4	73
137.0	24 00.0	115 11.5	BD	60 04 22	0641	140	564	2.48	100.0	13	137
137.0	23 48.0	115 37.0	BD	60 04 22	1016	140	534	2.62	100.0	32	482
137.0	23 40.0	115 55.0	BD	60 04 22	1201	140	484	2.90	100.0	31	126
140.0	24 45.5	112 24.0	BD	60 04 23	2055	100	368	2.73	100.0	3	61
140.0	24 35.5	112 42.5	BD	60 04 23	1746	142	518	2.75	100.0	2	831
140.0	24 24.0	113 04.0	BD	60 04 23	1401	145	495	2.94	100.0	3	80
140.0	24 14.0	113 21.0	BD	60 04 23	1111	142	475	2.98	100.0	10	21
140.0	24 04.5	113 40.0	BD	60 04 23	0816	146	479	3.05	100.0	36	29
140.0	23 58.0	113 53.0	BD	60 04 23	0636	141	522	2.70	100.0	25	21
140.0	23 45.5	114 16.5	BD	60 04 23	2201	140	530	2.61	100.0	105	30
143.0	24 19.0	112 08.0	BD	60 04 25	0268	68	273	2.48	100.0	3	8
143.0	24 11.0	112 23.0	BD	60 04 25	0611	144	471	3.05	100.0	4	196
143.0	23 50.5	112 41.0	BD	60 04 25	0856	142	470	3.03	100.0	7	28
143.0	23 41.5	112 58.0	BD	60 04 25	1211	146	485	3.01	100.0	5	60
143.0	23 28.0	113 22.0	BD	60 04 25	1506	144	496	2.90	100.0	2	18
143.0	23 21.0	113 36.5	BD	60 04 25	1801	140	543	2.58	100.0	48	162
143.0	23 10.5	113 55.5	BD	60 04 25	2316	141	513	2.78	100.0	63	79
147.0	23 06.0	111 03.5	BD	60 04 27	0331	134	520	2.71	100.0	270	107
147.0	23 46.0	111 22.0	BD	60 04 27	0056	144	503	2.67	100.0	0	1
147.0	23 35.5	111 41.5	BD	60 04 26	1156	143	500	2.87	100.0	1	32
147.0	23 25.0	112 00.0	BD	60 04 26	1911	142	485	2.94	100.0	3	16
147.0	23 16.0	112 19.0	BD	60 04 26	1911	142	491	2.90	100.0	8	104
147.0	23 05.5	112 37.5	BD	60 04 26	1341	144	510	2.83	100.0	41	7
147.0	22 55.5	112 56.5	BD	60 04 26	1036	141	496	2.84	100.0	37	5
147.0	22 49.0	113 16.0	BD	60 04 26	0746	141	492	2.88	100.0	21	18
147.0	22 39.0	113 36.0	BD	60 04 26	0416	142	498	2.83	100.0	16	5
150.0	23 24.0	110 40.3	BD	60 04 27	0751	139	498	2.78	100.0	290	9
150.0	23 24.0	110 40.3	BD	60 04 27	0751	139	498	2.78	100.0	0	3

TABLE 1. (cont.)

## CALCOFI Cruise 6004

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code yr. mo. day	Tow Date	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
150.0	25.0	23 13.3	BD	60 04 27	1031	142	495	2.87	100.0	0	17
150.0	30.0	23 02.0	BD	60 04 27	1401	142	521	2.73	100.0	0	34
150.0	35.0	22 51.5	BD	60 04 27	1726	141	501	2.82	100.0	1	36
150.0	40.0	22 41.5	BD	60 04 27	2016	137	499	2.74	100.0	21	17
150.0	45.0	22 31.5	BD	60 04 27	2331	143	460	3.11	100.0	144	101
150.0	50.0	22 21.5	BD	60 04 28	0206	143	474	3.02	100.0	239	76
153.0	16.0	22 51.3	BD	60 04 29	2001	139	500	2.77	100.0	1	175
153.0	20.0	22 47.0	BD	60 04 29	1726	142	485	2.93	100.0	2	636
153.0	25.0	22 43.0	BD	60 04 29	1401	146	474	3.09	100.0	4	20
153.0	30.0	22 34.5	BD	60 04 29	1136	146	517	2.82	100.0	6	36
153.0	35.0	22 28.0	BD	60 04 29	0841	138	480	2.88	100.0	15	5
153.0	40.0	22 14.5	BD	60 04 29	0451	148	484	3.05	100.0	5	13
153.0	45.0	22 02.5	BD	60 04 29	0201	142	496	2.86	100.0	28	113
153.0	50.0	21 49.8	BD	60 04 28	2241	142	473	2.99	100.0	72	118
153.0	55.0	21 38.0	BD	60 04 28	2006	138	521	2.65	100.0	344	7
153.0	60.0	21 27.0	BD	60 04 28	1736	142	494	2.87	100.0	51	36
153.0	65.0	21 17.0	BD	60 04 28	1436	144	499	2.88	100.0	28	26
153.0	70.0	21 06.0	BD	60 04 28	1141	142	517	2.75	100.0	97	29

TABLE 1. (cont.)

## CALCOFI Cruise 6005

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
73-0	51.0	35.0	OR	60 05 15	1211	130	496	2.63	50.0	7	2
73-0	55.0	35.28.0	OR	60 05 15	1001	138	502	2.76	50.0	5	2
73-0	60.0	35.18.3	OR	60 05 15	1726	147	466	3.15	50.0	6	3
77-0	50.0	35.04.1	OR	60 05 16	1637	74	469	1.58	100.0	22	7
77-0	55.0	34.53.4	OR	60 05 16	1021	143	468	3.07	100.0	40	301
82-0	47.0	34.13.3	OR	60 05 18	0956	139	500	2.77	100.0	4	31
83-0	40.0	34.13.9	OR	60 05 18	1530	13	126	1.02	100.0	32	152
83-0	43.0	34.08.5	OR	60 05 18	1341	137	467	2.94	100.0	258	177
83-0	51.0	33.51.8	OR	60 05 18	2133	44	342	1.27	100.0	13	13
83-0	55.0	33.42.9	OR	60 05 19	1756	128	506	2.54	100.0	164	55
83-0	60.0	33.33.3	OR	60 05 19	1756	139	450	3.10	50.0	100	0
87-0	35.0	33.49.4	OR	60 05 20	1026	140	470	2.98	100.0	166	202
87-0	40.0	33.40.0	OR	60 05 20	0801	138	478	2.58	100.0	66	79
87-0	45.0	33.30.7	OR	60 05 20	0446	128	493	2.63	100.0	453	59
87-0	50.0	33.19.5	OR	60 05 20	0159	66	260	2.53	100.0	166	17
87-0	55.0	33.09.4	OR	60 05 19	0821	75	659	1.14	100.0	357	84
87-0	60.0	33.01.0	OR	60 05 19	1206	145	461	3.14	100.0	133	62
90-0	28.0	33.28.8	OR	60 05 21	0916	140	481	2.91	100.0	88	282
90-0	37.0	33.10.6	OR	60 05 22	0316	141	465	3.02	100.0	79	14
90-0	45.0	32.65.2	OR	60 05 22	0816	143	458	3.11	100.0	150	155
90-0	50.0	32.44.5	OR	60 05 22	1108	164	259	2.49	100.0	89	31
90-0	55.0	32.34.9	OR	60 05 22	1416	122	496	2.47	100.0	135	81
90-0	60.0	32.21.9	OR	60 05 22	1836	134	487	2.76	100.0	42	34
90-0	65.0	32.12.1	OR	60 05 22	2116	139	465	3.00	100.0	202	107
90-0	70.0	32.02.9	OR	60 05 23	0051	144	456	3.16	12.5	36	44
90-0	75.0	31.53.0	OR	60 05 23	0336	144	439	3.29	50.0	95	86
90-0	80.0	31.43.6	OR	60 05 23	0736	142	447	3.19	100.0	53	165
90-0	85.0	31.32.9	OR	60 05 23	1026	142	456	3.12	100.0	64	56
90-0	90.0	31.23.1	OR	60 05 23	1426	134	481	2.79	100.0	27	33
90-0	95.0	31.12.5	OR	60 05 23	1706	138	385	3.58	100.0	32	15
90-0	100.0	31.01.0	OR	60 05 23	2031	141	467	3.02	100.0	114	41
93-0	28.0	32.49.0	OR	60 05 26	0036	137	479	2.86	100.0	57	9
93-0	30.0	32.49.0	OR	60 05 25	2231	140	478	2.94	100.0	70	25
93-0	35.0	32.39.3	OR	60 05 25	1836	141	394	3.57	100.0	115	3
93-0	40.0	32.29.8	OR	60 05 25	1536	137	488	2.81	100.0	1025	197
93-0	45.0	32.18.1	OR	60 05 25	1156	142	469	3.02	100.0	133	54
93-0	50.0	32.08.0	OR	60 05 25	0916	142	422	3.36	100.0	73	120
93-0	55.0	31.56.0	OR	60 05 25	0451	142	453	3.26	100.0	382	46
93-0	60.0	31.46.6	OR	60 05 25	0206	143	453	3.16	100.0	321	147
93-0	65.0	31.37.9	OR	60 05 24	2211	140	469	2.99	100.0	526	113
93-0	70.0	31.28.0	OR	60 05 24	1916	139	453	3.08	25.0	11	15
93-0	75.0	31.20.4	OR	60 05 24	1556	138	476	2.90	25.0	26	12
93-0	80.0	31.12.1	OR	60 05 24	1251	140	477	2.84	50.0	73	19
93-0	85.0	31.01.7	OR	60 05 24	0856	137	482	2.85	100.0	37	40
93-0	90.0	30.54.2	OR	60 05 24	0631	141	488	2.88	50.0	4	7

TABLE 1. (cont.)

## CALCOFI Cruise 6005

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
93.0	30 44.0	121 57.8	OR	60 05 24	0311	143	473	3.02	100.0	80	29
93.0	30 35.1	122 14.0	OR	60 05 24	0046	142	474	3.00	100.0	55	50
97.0	30 32.0	117 08.5	OR	60 05 26	0644	39	158	2.46	100.0	26	170
97.0	32 11.8	117 16.0	OR	60 05 26	0831	141	458	3.08	100.0	10	59
97.0	32 05.7	117 28.1	OR	60 05 26	1021	139	468	2.96	100.0	4	8
97.0	40.0	117 50.2	OR	60 05 26	1316	143	459	3.11	100.0	14	57
97.0	45.0	118 08.7	OR	60 05 26	1556	141	446	3.17	50.0	12	12
97.0	50.0	118 23.5	OR	60 05 26	1821	137	464	2.95	50.0	23	62
97.0	55.0	118 49.5	OR	60 05 26	2226	141	472	2.99	100.0	920	12
97.0	60.0	119 09.5	OR	60 05 27	0251	140	379	3.69	100.0	29	12
103.0	30.0	116 24.5	BD	60 05 28	1933	56	224	3.50	100.0	37	59
103.0	35.0	116 45.0	BD	60 05 28	1711	141	465	3.04	100.0	57	270
103.0	40.0	117 04.5	BD	60 05 28	1426	138	500	2.76	100.0	180	1070
103.0	45.0	117 20.0	BD	60 05 28	1226	140	481	2.90	100.0	128	233
103.0	50.0	117 43.5	BD	60 05 28	0846	139	497	2.80	100.0	95	359
103.0	55.0	118 05.0	BD	60 05 28	0546	138	493	2.81	100.0	97	105
103.0	60.0	118 25.0	BD	60 05 28	0226	137	508	2.70	100.0	229	25
103.0	65.0	118 44.0	BD	60 05 27	2341	139	491	2.83	100.0	44	54
103.0	70.0	119 05.0	BD	60 05 27	2046	142	499	2.85	100.0	23	201
103.0	75.0	119 26.5	BD	60 05 27	1746	135	489	2.76	100.0	29	306
103.0	80.0	119 42.0	BD	60 05 27	1521	137	502	2.73	100.0	5	5
107.0	32.0	116 11.0	BD	60 05 26	0702	137	530	2.40	100.0	8	37
107.0	35.0	116 22.5	BD	60 05 26	0831	137	507	2.71	100.0	42	539
107.0	40.0	116 42.5	BD	60 05 26	1056	140	500	2.80	100.0	35	223
107.0	45.0	117 02.5	BD	60 05 26	1331	139	459	3.04	100.0	12	31
107.0	50.0	117 22.5	BD	60 05 26	1616	139	498	2.79	100.0	7	3
107.0	55.0	117 42.0	BD	60 05 26	1901	141	497	2.83	100.0	59	22
107.0	60.0	118 00.0	BD	60 05 26	2141	141	497	2.83	100.0	79	282
107.0	65.0	118 21.0	BD	60 05 27	0041	138	486	2.98	100.0	12	87
107.0	70.0	118 41.0	BD	60 05 27	0326	136	527	2.59	100.0	45	163
107.0	75.0	119 01.0	BD	60 05 27	0646	141	484	2.92	100.0	20	368
107.0	80.0	119 20.5	BD	60 05 27	0921	142	492	2.88	100.0	7	24
110.0	33.0	115 52.0	BD	60 05 26	0138	70	257	2.74	100.0	44	44
110.0	35.0	116 00.0	BD	60 05 26	0016	138	487	2.83	100.0	127	48
110.0	40.0	116 17.0	BD	60 05 25	2211	141	493	2.86	100.0	69	4
110.0	45.0	116 40.0	BD	60 05 25	1926	140	450	3.10	100.0	120	11
110.0	50.0	117 01.0	BD	60 05 25	1636	145	474	3.06	100.0	11	52
110.0	55.0	117 21.0	BD	60 05 25	1356	140	511	2.74	100.0	8	50
110.0	60.0	117 38.0	BD	60 05 25	1031	142	508	2.79	100.0	9	243
110.0	65.0	117 59.0	BD	60 05 25	0106	138	514	2.68	100.0	24	224
110.0	70.0	118 18.0	BD	60 05 24	2141	141	514	2.75	100.0	5	4
110.0	75.0	118 37.0	BD	60 05 24	1842	141	504	2.80	100.0	27	279
110.0	80.0	118 57.5	BD	60 05 24	1616	142	514	2.80	100.0	5	5
113.0	30.0	115 18.0	BD	60 05 23	0839	33	158	2.10	100.0	1	17
113.0	35.0	115 39.0	BD	60 05 23	1051	139	508	2.73	100.0	6	4

TABLE 1. (cont.)

## CALCOFI Cruise 6005

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
113.0	29 03.0	115 57.5	BD	60 05 23	1331	141	491	2.88	100.0	6	6
113.0	28 53.0	116 15.0	BD	60 05 23	1636	143	466	3.06	100.0	27	10
113.0	28 40.0	116 40.0	BD	60 05 23	1926	134	459	2.93	100.0	34	19
113.0	28 33.0	117 01.0	BD	60 05 23	2236	144	483	2.59	100.0	50	4
113.0	28 20.0	117 22.0	BD	60 05 24	0111	137	528	2.59	100.0	52	5
113.0	28 08.0	117 42.0	BD	60 05 24	0445	136	490	2.78	100.0	8	151
113.0	28 02.0	117 55.0	BD	60 05 24	0631	136	502	2.91	100.0	0	247
113.0	27 52.5	118 14.0	BD	60 05 24	0851	141	484	2.91	100.0	0	486
113.0	27 42.0	118 33.5	BD	60 05 24	1111	140	408	3.42	100.0	17	70
117.0	28 56.0	114 41.5	BD	60 05 23	0338	70	259	2.72	100.0	19	63
117.0	28 48.0	114 56.5	BD	60 05 23	0138	83	291	2.85	100.0	56	332
117.0	28 38.0	115 16.0	BD	60 05 22	2255	139	482	2.88	100.0	18	76
117.0	28 28.1	115 35.5	BD	60 05 22	1301	143	493	2.89	100.0	34	7
117.0	28 18.0	115 56.0	BD	60 05 22	1041	140	504	2.77	100.0	22	22
117.0	28 15.0	116 17.0	BD	60 05 22	0446	145	456	3.18	100.0	25	76
117.0	28 03.0	116 37.0	BD	60 05 22	0141	137	493	2.78	100.0	37	8
117.0	27 51.0	116 56.0	BD	60 05 21	2236	143	477	3.01	100.0	12	32
117.0	27 39.0	117 14.5	BD	60 05 21	1946	142	489	2.91	100.0	6	121
117.0	27 28.0	117 32.5	BD	60 05 21	1646	143	482	3.02	100.0	5	131
117.0	27 17.5	117 52.0	BD	60 05 21	1346	146	468	3.05	100.0	5	163
117.0	27 08.0	118 16.5	BD	60 05 21	1021	140	497	2.82	100.0	2	378
118.0	28 18.5	115 23.7	BD	60 05 22	2001	139	502	2.78	100.0	22	24
119.0	28 19.0	114 53.0	BD	60 05 19	2233	75	296	2.54	100.0	47	332
120.0	28 22.5	114 15.0	BD	60 05 20	0219	38	187	2.04	100.0	35	201
120.0	28 13.0	114 34.0	BD	60 05 20	0448	64	259	2.47	100.0	22	1664
120.0	28 03.0	114 54.0	BD	60 05 20	0648	67	276	2.41	100.0	6	427
120.0	28 03.0	115 14.0	BD	60 05 20	0859	28	131	2.16	100.0	6	33
120.0	27 56.5	115 33.0	BD	60 05 20	1116	138	493	2.81	100.0	16	163
120.0	27 43.0	115 52.5	BD	60 05 20	1341	135	515	2.62	100.0	11	4
120.0	27 33.0	116 12.0	BD	60 05 20	1646	137	490	2.80	100.0	6	3
120.0	27 23.0	116 30.5	BD	60 05 20	1911	139	502	2.76	100.0	256	13
120.0	27 13.0	116 50.5	BD	60 05 20	2136	141	464	3.04	100.0	155	19
120.0	27 03.0	117 10.5	BD	60 05 20	2356	137	485	2.82	100.0	14	254
120.0	26 53.0	117 30.0	BD	60 05 21	0231	136	511	2.57	100.0	84	214
120.0	26 42.5	117 49.0	BD	60 05 21	0456	138	500	2.77	100.0	94	600
120.0	26 32.5	117 49.0	BD	60 05 21	1103	53	224	2.38	100.0	13	258
123.0	27 24.0	114 40.0	BD	60 05 19	0531	144	477	3.01	100.0	27	11
123.0	27 15.0	114 58.0	BD	60 05 19	0356	138	479	2.88	100.0	201	49
123.0	27 12.0	115 08.5	BD	60 05 19	0116	140	484	2.90	100.0	253	994
123.0	27 09.0	115 28.5	BD	60 05 19	0116	140	484	2.79	100.0	217	429
123.0	27 01.0	115 49.0	BD	60 05 18	2241	141	518	2.79	100.0	16	95
123.0	26 58.5	116 09.0	BD	60 05 18	2001	141	506	2.84	100.0	13	386
127.0	26 55.0	114 06.5	BD	60 05 18	0213	49	264	1.89	100.0	69	96
127.0	26 43.5	114 25.0	BD	60 05 18	0451	114	548	2.07	100.0	20	5
127.0	26 33.0	114 48.5	BD	60 05 18	0721	137	518	2.65	100.0	20	5
127.0	26 22.0	115 07.0	BD	60 05 18	0951	138	522	2.64	100.0	27	44

TABLE 1. (cont.)

## CaICOFI Cruise 6005

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	55.0	26 13.5	BD	60 05 18	1206	139	514	2.71	100.0	30	63
127.0	60.0	26 03.5	BD	60 05 18	1446	138	507	2.71	100.0	37	27
130.0	30.0	26 29.0	BD	60 05 17	2043	63	277	2.29	100.0	2	314
130.0	35.0	26 19.0	BD	60 05 17	1811	146	468	3.11	100.0	18	127
130.0	40.0	26 09.0	BD	60 05 17	1511	138	441	3.13	100.0	4	3
130.0	45.0	25 58.5	BD	60 05 17	1221	135	475	2.85	100.0	12	42
130.0	50.0	25 53.0	BD	60 05 17	1011	143	478	2.99	100.0	28	35
130.0	55.0	25 43.0	BD	60 05 17	0806	142	482	2.94	100.0	1	104
130.0	60.0	25 32.0	BD	60 05 17	0528	140	484	2.90	100.0	12	92
133.0	25.0	26 04.5	BD	60 05 16	0928	56	236	2.37	100.0	12	35
133.0	30.0	25 54.5	BD	60 05 16	1201	138	520	2.66	100.0	21	133
133.0	35.0	25 44.5	BD	60 05 16	1426	138	499	2.77	100.0	0	106
133.0	40.0	25 34.5	BD	60 05 16	1756	147	458	3.21	100.0	5	108
134.0	36.0	25 36.0	BD	60 05 16	1528	75	288	2.60	100.0	5	154
137.0	23.0	25 34.0	BD	60 05 16	0428	41	252	1.61	100.0	65	307
137.0	30.0	25 20.0	BD	60 05 16	0101	137	486	2.81	100.0	32	21
137.0	35.0	25 10.0	BD	60 05 15	2231	146	492	2.96	100.0	16	31
137.0	40.0	25 00.0	BD	60 05 16	2016	145	531	2.72	100.0	2	6

TABLE 1. (cont.)

## CalCOFI Cruise 6006

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time day (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
73.0	51.0	121 21.6	OR	60 06 16	0156	140	480	2.91	100.0	16	110
73.0	55.0	121 36.7	OR	60 06 15	2031	143	453	3.16	100.0	46	355
73.0	60.0	121 57.7	OR	60 06 15	2051	145	472	3.06	50.0	21	5
77.0	55.0	120 52.9	OR	60 06 16	0711	139	435	3.19	100.0	8	10
77.0	58.0	121 13.0	OR	60 06 16	0946	108	592	1.82	100.0	1	2
77.0	60.0	121 34.0	OR	60 06 16	1246	139	440	3.16	100.0	55	223
77.0	65.0	121 52.0	OR	60 06 16	1531	137	480	2.86	100.0	28	30
77.0	70.0	122 15.9	OR	60 06 16	1816	140	394	3.55	100.0	91	55
80.0	52.0	120 35.5	OR	60 06 18	0111	140	518	1.70	100.0	44	8
80.0	55.0	120 47.5	OR	60 06 17	2306	124	674	1.70	100.0	36	0
80.0	60.0	121 06.7	OR	60 06 17	2021	139	508	2.74	100.0	150	179
80.0	65.0	121 18.5	OR	60 06 17	1806	139	480	2.90	100.0	193	208
80.0	70.0	121 41.0	OR	60 06 17	1526	139	577	2.41	100.0	10	19
80.0	75.0	122 03.9	OR	60 06 17	1246	139	546	2.55	100.0	5	4
80.0	80.0	122 24.3	OR	60 06 17	1011	139	554	2.51	100.0	3	2
80.0	85.0	122 45.6	OR	60 06 17	0701	140	537	2.61	100.0	4	1
80.0	90.0	123 07.0	OR	60 06 18	0426	142	474	2.99	100.0	19	18
82.0	47.0	119 58.0	OR	60 06 18	0536	140	410	3.43	100.0	24	2
83.0	40.0	119 21.7	OR	60 06 18	1019	104	104	1.95	100.0	6	235
83.0	43.0	119 36.5	OR	60 06 18	0826	142	589	2.73	100.0	10	6
83.0	51.0	120 07.4	OR	60 06 18	1617	104	395	2.64	100.0	21	179
83.0	55.0	120 23.6	OR	60 06 18	1821	148	546	2.70	50.0	6	3
83.0	60.0	120 44.8	OR	60 06 18	2151	141	583	2.41	100.0	96	124
83.0	65.0	121 31.1	OR	60 06 19	0036	140	513	2.73	100.0	106	92
83.0	70.0	121 04.2	OR	60 06 19	0311	142	619	2.30	100.0	451	534
83.0	75.0	121 23.9	OR	60 06 19	0551	140	507	2.76	100.0	26	13
83.0	80.0	122 01.6	OR	60 06 19	0851	139	520	2.67	100.0	6	3
83.0	85.0	122 21.0	OR	60 06 19	1206	139	520	2.68	100.0	5	2
83.0	90.0	118 48.2	OR	60 06 21	0446	139	506	2.75	100.0	129	189
87.0	35.0	118 58.6	OR	60 06 21	0216	139	512	2.72	100.0	55	1
87.0	40.0	119 19.3	OR	60 06 20	2321	131	495	2.65	100.0	28	132
87.0	45.0	119 39.5	OR	60 06 20	2038	61	222	2.74	100.0	8	19
87.0	50.0	120 00.0	OR	60 06 20	1621	134	502	2.67	100.0	8	9
87.0	55.0	120 23.0	OR	60 06 20	1346	141	500	2.83	100.0	12	9
87.0	60.0	120 51.0	OR	60 06 20	0906	141	509	2.77	100.0	21	18
87.0	65.0	121 09.0	OR	60 06 20	0616	141	504	2.80	50.0	5	7
87.0	70.0	121 26.5	OR	60 06 21	0326	142	547	2.60	100.0	286	1054
87.0	75.0	117 47.7	OR	60 06 21	1031	137	537	2.56	100.0	42	2364
87.0	80.0	118 03.1	OR	60 06 21	1251	142	456	3.12	100.0	40	261
87.0	85.0	118 23.5	OR	60 06 23	0546	139	519	2.69	100.0	14	4
87.0	90.0	119 17.5	OR	60 06 23	1240	71	256	2.77	100.0	1	1
90.0	32.0	118 03.6	OR	60 06 23	1400	140	408	3.42	50.0	2	13
90.0	37.0	118 23.5	OR	60 06 23	1600	140	408	3.42	50.0	10	4
90.0	42.0	119 48.2	OR	60 06 23	1915	139	422	3.29	50.0	15	51
90.0	47.0	119 48.2	OR	60 06 23	2150	142	451	3.15	50.0	15	51
90.0	52.0	120 18.0	OR	60 06 23	2150	142	451	3.15	50.0	15	51
90.0	57.0	120 38.0	OR	60 06 24	0056	141	495	2.85	100.0	22	17



TABLE 1. (cont.)

## CALCOFI Cruise 6006

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
90.0	75.0	120 56.7	OR	60 06 24	0326	142	502	2.82	100.0	26	25
90.0	80.0	121 16.8	OR	60 06 24	0621	142	465	3.06	100.0	38	157
90.0	85.0	121 36.5	OR	60 06 24	0841	138	520	2.65	100.0	5	18
90.0	90.0	121 56.8	OR	60 06 24	1136	139	512	2.70	100.0	4	5
90.0	95.0	122 16.3	OR	60 06 24	1400	142	497	2.86	100.0	4	5
90.0	100.0	122 36.1	OR	60 06 24	1645	140	510	2.75	100.0	2	192
93.0	28.0	117 21.2	OR	60 06 26	1520	137	523	2.61	100.0	11	12
93.0	30.0	117 31.0	OR	60 06 26	1325	139	486	2.85	100.0	52	87
93.0	35.0	117 52.0	OR	60 06 26	0951	139	526	2.64	100.0	26	6
93.0	40.0	118 16.8	OR	60 06 26	0646	142	480	2.96	100.0	8	10
93.0	45.0	118 35.0	OR	60 06 26	0401	139	490	2.84	100.0	49	10
93.0	50.0	118 52.8	OR	60 06 26	0126	140	461	3.03	100.0	43	73
93.0	55.0	119 10.4	OR	60 06 25	2225	137	462	2.96	100.0	64	54
93.0	60.0	119 31.1	OR	60 06 25	1950	139	414	3.36	100.0	18	106
93.0	65.0	119 51.0	OR	60 06 25	1645	141	488	2.85	100.0	30	98
93.0	70.0	120 10.8	OR	60 06 25	1410	142	498	2.85	100.0	5	2
93.0	75.0	120 31.1	OR	60 06 25	1036	137	507	2.71	100.0	12	4
93.0	80.0	120 52.9	OR	60 06 25	0821	139	520	2.67	100.0	6	12
93.0	85.0	121 14.2	OR	60 06 25	0526	141	518	2.72	100.0	28	72
93.0	90.0	121 35.0	OR	60 06 25	0251	142	516	2.75	100.0	9	2
93.0	95.0	121 54.0	OR	60 06 24	2345	142	483	2.95	100.0	13	24
93.0	100.0	122 12.0	OR	60 05 24	2115	140	505	2.78	100.0	15	159
97.0	32.0	122 15.2	OR	60 06 27	1454	41	200	2.07	100.0	1	79
97.0	35.0	117 15.5	OR	60 06 27	1626	138	571	2.42	100.0	145	79
97.0	40.0	117 28.7	OR	60 06 27	1806	140	504	2.78	100.0	33	13
97.0	45.0	117 48.0	OR	60 06 27	2036	140	539	2.59	100.0	85	1
97.0	50.0	118 07.0	OR	60 06 27	2321	142	521	2.73	100.0	85	1
97.0	55.0	118 26.7	OR	60 06 28	0201	145	506	2.86	100.0	36	2
97.0	60.0	118 46.0	OR	60 06 28	0436	141	503	2.80	100.0	36	50
97.0	65.0	119 05.8	OR	60 06 28	0736	139	519	2.88	100.0	14	83
97.0	70.0	119 28.5	OR	60 06 28	1051	140	484	2.90	100.0	12	128
97.0	75.0	119 49.2	OR	60 06 28	1316	142	451	3.14	100.0	0	49
97.0	80.0	120 09.6	OR	60 06 28	1556	139	473	3.14	100.0	8	90
97.0	85.0	120 30.5	OR	60 06 28	1846	139	488	2.85	100.0	9	17
97.0	90.0	120 50.8	OR	60 06 28	2126	140	509	2.76	100.0	64	53
97.0	95.0	120 08.5	OR	60 06 28	2356	136	516	2.64	100.0	15	184
100.0	29.0	116 43.4	OR	60 06 30	1511	139	486	2.86	100.0	6	57
100.0	34.0	116 46.6	OR	60 06 30	1416	136	486	2.70	100.0	9	115
100.0	39.0	116 46.6	OR	60 06 30	1416	136	467	2.91	100.0	3	2
100.0	44.0	117 08.5	OR	60 06 30	1101	136	467	2.84	100.0	11	7
100.0	49.0	117 27.2	OR	60 06 30	0841	137	484	2.84	100.0	28	4
100.0	54.0	117 47.5	OR	60 06 30	0611	142	469	3.03	100.0	65	24
100.0	59.0	118 07.2	OR	60 06 30	0336	141	470	3.00	100.0	5	82
100.0	64.0	118 27.0	OR	60 06 30	0051	140	468	2.98	100.0	13	241
100.0	69.0	118 47.3	OR	60 06 29	2151	143	470	3.05	100.0	5	84
100.0	74.0	119 05.0	OR	60 06 29	1901	135	513	2.63	100.0	30	78

TABLE 1. (cont.)

## CALCOFI Cruise 6006

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	70.0	30 20.0		60	06 29	1556	143	3.03	100.0	9	95
100.0	75.0	30 09.5	OR	60	06 29	1311	141	2.95	100.0	16	118
100.0	80.0	29 59.0	OR	60	06 29	1026	116	2.23	100.0	5	51
100.0	85.0	29 50.2	OR	60	06 29	0746	137	2.62	100.0	12	85
100.0	90.0	29 41.2	OR	60	06 29	0501	137	2.67	100.0	12	685
103.0	40.0	30 46.0	BD	60	06 29	1901	143	3.05	100.0	10	3
103.0	45.0	30 36.0	BD	60	06 29	1621	143	3.01	100.0	5	5
103.0	50.0	30 33.5	BD	60	06 29	1321	137	2.68	100.0	5	151
103.0	55.0	30 28.5	BD	60	06 29	1101	142	2.85	100.0	41	175
103.0	60.0	30 13.0	BD	60	06 29	0526	142	2.81	100.0	32	212
103.0	65.0	30 00.0	BD	60	06 29	0241	136	2.76	100.0	70	228
103.0	70.0	29 49.0	BD	60	06 28	2311	145	3.03	100.0	19	228
103.0	75.0	29 38.5	BD	60	06 28	2036	146	2.87	100.0	42	250
103.0	80.0	29 28.5	BD	60	06 28	1806	143	2.87	100.0	37	283
107.0	32.0	30 25.8	BD	60	06 27	1151	135	2.53	100.0	25	51
107.0	35.0	30 21.5	BD	60	06 27	1331	116	1.95	100.0	12	13
107.0	40.0	30 11.0	BD	60	06 27	1556	137	2.80	100.0	20	7
107.0	45.0	30 01.5	BD	60	06 27	1821	134	2.49	100.0	38	3
107.0	50.0	29 50.5	BD	60	06 27	2046	121	2.27	100.0	27	30
107.0	55.0	29 41.0	BD	60	06 27	2311	142	2.46	100.0	48	53
107.0	60.0	29 32.0	BD	60	06 28	0141	135	2.73	100.0	276	85
107.0	65.0	29 21.0	BD	60	06 28	0521	140	2.73	100.0	60	612
107.0	70.0	29 11.0	BD	60	06 28	0726	142	2.93	100.0	22	264
107.0	75.0	29 01.0	BD	60	06 28	1021	141	2.93	100.0	20	335
110.0	80.0	28 51.5	BD	60	06 28	1246	141	2.81	100.0	28	1140
110.0	85.0	28 42.0	BD	60	06 28	1466	66	2.76	100.0	20	70
110.0	90.0	28 32.5	BD	60	06 27	0616	142	2.66	100.0	35	50
110.0	95.0	28 23.0	BD	60	06 27	0306	144	3.06	100.0	24	18
110.0	40.0	29 38.0	BD	60	06 27	0026	139	3.01	100.0	31	44
110.0	45.0	29 36.5	BD	60	06 27	0226	142	2.82	100.0	22	225
110.0	50.0	29 16.5	BD	60	06 26	2146	142	3.06	100.0	24	159
110.0	55.0	29 06.5	BD	60	06 26	1911	144	2.71	100.0	22	151
110.0	60.0	28 56.5	BD	60	06 26	1530	138	2.60	100.0	14	126
110.0	65.0	28 46.0	BD	60	06 26	1236	144	2.79	100.0	4	126
110.0	70.0	28 36.5	BD	60	06 26	0926	140	2.78	100.0	8	218
110.0	75.0	28 26.0	BD	60	06 26	0601	141	2.93	100.0	1	143
110.0	80.0	28 16.5	BD	60	06 26	0321	145	3.04	100.0	47	161
113.0	30.0	29 22.0	BD	60	06 24	1924	51	2.61	100.0	4	15
113.0	35.0	29 11.5	BD	60	06 24	2150	137	2.74	100.0	16	37
113.0	40.0	29 11.5	BD	60	06 25	0036	143	2.69	100.0	20	3
113.0	45.0	28 51.3	BD	60	06 25	0331	142	2.88	100.0	1	2
113.0	50.0	28 40.5	BD	60	06 25	0601	138	2.56	100.0	0	2
113.0	55.0	28 29.0	BD	60	06 25	0951	130	2.43	100.0	0	2
113.0	60.0	28 19.0	BD	60	06 25	1216	140	2.85	100.0	8	20
113.0	65.0	28 12.0	BD	60	06 25	1506	141	2.87	100.0	28	102
113.0	70.0	28 02.0	BD	60	06 25	1731	136	2.68	100.0	52	91

TABLE 1. (cont.)

## CALCOFI Cruise 6006

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code yr.	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
113.0	27 52.5	118 14.0	BD	60 06 25	1956	136	483	2.81	100.0	6	355
113.0	27 42.0	118 33.5	BD	60 06 25	2221	141	494	2.85	100.0	18	314
113.0	27 42.0	118 33.5	BD	60 06 24	1443	72	282	2.56	100.0	6	121
117.0	28 46.0	114 41.5	BD	60 06 24	1738	93	353	2.64	100.0	4	645
117.0	28 38.0	114 56.5	BD	60 06 24	1028	138	533	2.59	100.0	14	37
117.0	28 38.0	115 16.0	BD	60 06 24	0026	136	516	2.63	100.0	10	10
117.0	28 18.0	115 56.0	BD	60 06 23	2141	138	516	2.68	100.0	73	132
117.0	28 10.5	116 18.0	BD	60 06 23	1806	141	522	2.69	100.0	34	27
117.0	28 00.0	116 37.0	BD	60 06 23	1501	127	587	2.16	100.0	16	3
117.0	27 50.0	116 55.0	BD	60 06 23	1236	136	568	2.39	100.0	3	119
117.0	27 37.5	117 13.5	BD	60 06 23	1001	137	543	2.52	100.0	0	114
117.0	27 28.0	117 32.5	BD	60 06 23	0721	137	535	2.56	100.0	0	349
117.0	27 17.0	117 52.0	BD	60 06 23	0446	139	517	2.69	100.0	20	937
117.0	27 08.0	118 10.5	BD	60 06 23	0101	137	508	2.70	100.0	14	57
118.0	28 18.0	115 23.7	BD	60 06 24	0226	139	531	2.61	100.0	28	57
119.0	33.0	114 53.0	BD	60 06 21	1031	105	417	2.52	100.0	50	1382
119.0	33.0	117 47.7	BD	60 06 21	0651	105	417	2.56	100.0	42	289
120.0	25.0	114 15.0	BD	60 06 21	0423	84	199	2.53	100.0	27	289
120.0	30.0	114 34.0	BD	60 06 21	0143	84	213	2.68	100.0	322	3866
120.0	35.0	114 54.0	BD	60 06 21	2104	64	298	2.14	100.0	989	2334
120.0	40.0	115 14.0	BD	60 06 21	2316	65	176	1.41	100.0	61	801
120.0	45.0	115 33.0	BD	60 06 22	0151	133	505	2.41	100.0	47	96
120.0	50.0	115 52.5	BD	60 06 22	0636	132	552	2.41	100.0	55	15
120.0	55.0	116 12.0	BD	60 06 22	0901	136	536	2.46	100.0	11	30
120.0	60.0	116 30.5	BD	60 06 22	1136	130	527	2.57	100.0	39	673
120.0	65.0	116 49.0	BD	60 06 22	1416	133	516	2.43	100.0	43	3683
120.0	70.0	117 30.0	BD	60 06 22	1701	137	509	2.58	100.0	28	228
120.0	75.0	117 49.0	BD	60 06 22	1916	139	486	2.70	100.0	24	159
120.0	80.0	117 49.0	BD	60 06 20	1908	137	505	2.85	100.0	72	99
123.0	37.0	114 40.0	BD	60 06 20	1231	143	530	2.64	100.0	2	22
123.0	42.0	114 59.0	BD	60 06 20	1051	131	584	2.69	100.0	3	33
123.0	45.0	115 11.5	BD	60 06 20	0806	135	524	2.24	100.0	0	15
123.0	50.0	115 31.0	BD	60 06 20	0425	140	559	2.58	100.0	36	62
123.0	55.0	115 49.5	BD	60 06 20	0131	141	548	2.51	100.0	79	62
123.0	60.0	116 09.0	BD	60 06 19	0623	68	265	2.58	100.0	118	182
123.0	65.0	116 06.5	BD	60 06 19	0901	134	265	2.58	100.0	8	177
127.0	40.0	114 29.0	BD	60 06 19	1106	134	518	2.58	100.0	5	20
127.0	45.0	114 48.5	BD	60 06 19	1546	139	538	2.71	100.0	5	74
127.0	50.0	115 08.0	BD	60 06 19	1806	141	538	2.67	100.0	0	53
127.0	55.0	115 27.0	BD	60 06 19	2031	138	534	2.58	100.0	35	35
127.0	60.0	115 46.5	BD	60 06 19	0943	138	534	2.67	100.0	338	42
130.0	30.0	113 29.0	BD	60 06 18	2201	139	488	2.85	100.0	1	9
130.0	35.0	113 48.0	BD	60 06 18	1620	140	505	2.76	100.0	2	12
130.0	40.0	114 07.0	BD	60 06 18	1351	143	506	2.84	100.0	3	365
130.0	45.0	114 26.5	BD	60 06 18	1351	143	506	2.84	100.0	3	365

TABLE 1. (cont.)

## CALCOFI Cruise 6006

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code yr.	Tow Date mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
130.0	25 49.0	114 45.0	BD	60 06 18	1120	143	493	2.91	100.0	2	11
130.0	25 39.0	115 04.0	BD	60 06 18	0856	142	484	2.93	100.0	19	26
130.0	25 29.0	115 24.0	BD	60 06 18	0631	142	492	2.88	100.0	6	7
133.0	25 00.0	112 48.0	BD	60 06 17	1123	71	260	2.73	100.0	74	200
133.0	25 54.5	113 07.5	BD	60 06 17	1421	140	493	2.83	100.0	92	762
133.0	25 44.5	113 26.5	BD	60 06 17	1701	140	482	2.90	100.0	30	296
133.0	25 34.5	113 45.5	BD	60 06 17	2001	139	536	2.60	100.0	95	347
134.0	25 38.0	113 25.0	BD	60 06 17	1753	105	406	2.58	100.0	21	130
137.0	25 34.0	112 19.0	BD	60 06 17	0658	64	280	2.27	50.0	95	200
137.0	25 20.0	112 46.0	BD	60 06 17	0316	137	297	2.76	100.0	361	21
137.0	25 10.0	113 04.5	BD	60 06 17	0056	144	487	2.95	100.0	46	79
137.0	25 00.0	113 23.5	BD	60 06 16	2121	135	528	2.55	100.0	14	96

TABLE 1. (cont.)

## CalCOFI Cruise 6007

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yf. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
50.0	39 39.9	124 07.0	HO	60 07 21	1906	123	522	2.36	100.0	12	5
50.0	39 30.2	124 30.0	HO	60 07 21	2036	172	600	1.87	100.0	68	135
60.0	37 54.3	123 02.5	HO	60 07 25	2140	57	243	2.35	100.0	8	64
60.0	37 48.0	123 15.5	HO	60 07 25	2310	51	377	1.35	100.0	75	210
60.0	37 37.2	123 40.0	HO	60 07 26	0206	145	478	3.03	100.0	62	4
60.0	37 18.6	124 24.5	HO	60 07 26	0716	126	496	2.55	100.0	16	4
60.0	37 00.0	125 07.5	HO	60 07 26	1126	129	495	2.60	50.0	0	3
60.0	36 40.5	125 49.5	HO	60 07 26	1725	133	495	2.68	100.0	11	22
60.0	36 21.0	126 32.0	HO	60 07 27	0556	88	677	1.30	100.0	16	8
60.0	35 40.0	127 53.5	HO	60 07 27	0556	126	532	2.36	100.0	40	40
60.0	34 59.0	129 15.5	HO	60 07 27	2355	112	585	1.75	100.0	16	5
60.0	34 14.6	130 44.7	HO	60 07 27	0811	119	546	2.09	100.0	27	42
60.0	33 32.5	132 08.5	HO	60 07 28	1656	139	477	1.86	100.0	14	32
60.0	32 51.0	133 30.8	HO	60 07 28	1716	105	566	1.86	100.0	12	0
70.0	36 08.6	121 50.4	HO	60 07 20	1456	139	458	3.03	100.0	7	3
70.0	36 05.5	122 05.0	HO	60 07 20	1230	147	420	2.93	100.0	31	11
70.0	35 58.0	122 22.0	HO	60 07 20	0456	138	470	2.93	100.0	12	5
70.0	35 33.5	123 07.3	HO	60 07 19	2225	145	477	3.05	100.0	31	5
70.0	35 14.8	123 50.3	HO	60 07 19	1705	140	519	2.69	100.0	1	4
70.0	34 53.0	124 25.5	HO	60 07 19	1056	133	497	2.68	50.0	2	3
70.0	34 26.8	125 06.9	HO	60 07 19	0105	83	688	1.20	100.0	48	119
70.0	33 51.5	126 36.5	HO	60 07 29	0826	126	503	2.51	100.0	62	10
70.0	33 02.0	132 13.0	HO	60 07 16	2206	116	568	2.05	100.0	16	8
80.0	34 24.3	120 36.1	HO	60 07 17	0036	140	470	2.97	100.0	12	2
80.0	34 20.3	120 49.0	HO	60 07 17	0456	147	467	3.15	100.0	5	4
80.0	34 07.0	121 12.0	HO	60 07 17	0726	132	497	2.66	100.0	10	1
80.0	33 56.0	121 34.0	HO	60 07 17	1026	131	494	2.65	100.0	2	3
80.0	33 47.5	121 49.5	HO	60 07 17	1631	146	456	3.21	100.0	5	3
80.0	33 25.0	122 35.2	HO	60 07 17	2200	96	627	1.54	100.0	24	15
80.0	33 04.0	123 21.5	HO	60 07 18	0336	121	555	2.17	100.0	167	210
80.0	32 41.0	124 10.0	HO	60 07 18	1016	150	466	3.23	100.0	54	599
80.0	32 06.8	125 12.0	HO	60 07 29	2111	123	521	2.36	100.0	90	15
80.0	29 24.0	130 52.5	BD	60 07 12	1126	140	483	2.91	100.0	4	30
82.0	34 15.0	119 22.0	BD	60 07 12	0700	13	63	2.01	100.0	4	37
83.0	34 14.0	119 34.0	BD	60 07 12	0826	140	476	2.94	100.0	5	9
83.0	34 08.0	119 34.0	BD	60 07 12	0826	140	476	2.94	100.0	5	9
83.0	33 52.0	120 08.5	BD	60 07 12	1509	106	471	2.25	100.0	1	0
83.0	33 44.0	120 24.5	BD	60 07 12	1721	138	505	2.73	100.0	4	8
83.0	33 34.0	120 45.0	BD	60 07 12	1956	137	502	2.73	100.0	4	8
83.0	33 24.0	121 24.0	BD	60 07 12	2231	140	457	3.07	100.0	20	0
83.0	33 14.5	121 26.0	BD	60 07 13	0116	126	521	2.42	100.0	23	5
83.0	32 54.0	122 08.0	BD	60 07 13	0611	132	499	2.65	100.0	9	8
85.0	33 50.0	118 37.5	BD	60 07 14	1051	135	489	2.76	100.0	6	2
87.0	33 40.0	118 58.0	BD	60 07 14	0821	132	487	2.70	100.0	7	4
87.0	33 30.0	119 19.0	BD	60 07 14	0601	128	500	2.57	100.0	6	3

TABLE 1. (cont.)

## CALCOFI Cruise 6007

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
87.0	50.0	119 44.0	BD	60 07 14	0329	113	369	3.06	100.0	8	0
87.0	55.0	120 05.0	BD	60 07 14	0000	143	440	3.25	100.0	14	0
87.0	60.0	120 24.0	BD	60 07 13	2100	140	477	2.94	100.0	50	0
87.0	65.0	120 43.0	BD	60 07 13	1831	135	472	2.85	100.0	16	1
87.0	70.0	121 02.0	BD	60 07 13	1546	131	502	2.61	100.0	15	1
87.0	80.0	121 43.0	BD	60 07 13	1026	132	495	2.66	100.0	3	3
90.0	28.0	117 46.7	BD	60 07 14	2216	135	486	2.78	100.0	26	61
90.0	32.0	118 03.0	BD	60 07 15	0121	138	457	2.94	100.0	102	19
90.0	37.0	118 22.5	BD	60 07 15	0445	134	550	2.51	100.0	19	14
90.0	45.0	118 55.5	BD	60 07 15	0941	140	454	3.09	100.0	6	2
90.0	53.0	119 28.5	BD	60 07 15	1426	146	460	3.17	100.0	2	0
90.0	60.0	119 57.5	BD	60 07 15	1946	143	474	3.01	100.0	11	3
90.0	65.0	120 19.0	BD	60 07 16	0241	139	461	3.02	100.0	16	1
90.0	70.0	120 41.0	BD	60 07 16	0226	141	473	2.99	100.0	10	0
90.0	80.0	121 27.0	BD	60 07 16	0746	141	462	3.05	100.0	12	4
90.0	90.0	122 02.0	BD	60 07 16	1221	144	467	3.07	100.0	11	11
90.0	100.0	122 39.0	BD	60 07 16	1846	138	503	2.74	100.0	37	35
90.0	120.0	123 56.0	HO	60 08 01	0146	150	447	3.35	100.0	99	27
90.0	140.0	125 20.5	HO	60 07 31	0656	144	509	2.84	100.0	12	20
90.0	160.0	126 43.0	HO	60 07 31	0756	145	434	3.33	100.0	28	7
90.0	180.0	128 01.0	HO	60 07 30	2316	141	475	2.98	100.0	82	7
90.0	200.0	129 29.5	HO	60 07 30	0956	146	449	3.25	100.0	23	12
93.0	30.0	117 21.8	BD	60 07 18	2351	128	562	2.27	100.0	152	18
93.0	35.0	117 31.0	BD	60 07 18	2141	126	527	2.27	100.0	91	21
93.0	40.0	117 51.5	BD	60 07 18	1851	139	481	2.89	100.0	37	3
93.0	45.0	118 11.5	BD	60 07 18	1601	138	496	2.89	100.0	28	8
93.0	50.0	118 32.0	BD	60 07 18	1316	141	500	2.81	100.0	0	6
93.0	55.0	118 52.5	BD	60 07 18	1021	139	503	2.90	100.0	3	1
93.0	60.0	119 13.5	BD	60 07 18	0346	143	494	2.76	100.0	15	1
93.0	65.0	119 34.0	BD	60 07 17	0011	144	480	3.01	100.0	22	0
93.0	70.0	119 53.5	BD	60 07 17	2101	130	502	2.58	100.0	10	2
93.0	75.0	120 14.0	BD	60 07 17	1751	144	461	3.12	100.0	4	1
93.0	80.0	120 44.5	BD	60 07 17	1216	141	494	2.85	100.0	2	3
93.0	85.0	121 41.0	BD	60 07 17	0601	141	483	2.93	100.0	10	17
93.0	90.0	122 14.0	BD	60 07 16	2356	141	479	2.93	100.0	46	46
93.0	95.0	122 41.0	BD	60 07 20	1504	141	479	2.94	100.0	63	386
97.0	35.0	117 07.0	BD	60 07 20	1601	141	487	2.90	100.0	29	106
97.0	40.0	117 15.2	BD	60 07 20	1726	138	464	2.97	100.0	13	19
97.0	45.0	117 27.5	BD	60 07 20	1941	141	469	3.01	100.0	26	8
97.0	50.0	117 48.0	BD	60 07 20	2221	140	482	2.91	100.0	18	5
97.0	55.0	118 08.5	BD	60 07 21	0041	139	487	2.89	100.0	36	15
97.0	60.0	118 29.0	BD	60 07 21	0316	138	479	2.89	100.0	11	3
97.0	65.0	118 49.5	BD	60 07 21	0636	143	479	2.99	100.0	7	61
97.0	70.0	119 10.0	BD	60 07 21	1051	141	463	2.94	100.0	4	46
97.0	75.0	119 30.0	BD	60 07 21	1401	137	459	2.75	100.0	10	51
97.0	80.0	119 54.0	BD	60 07 21	1401	137	459	2.75	100.0	10	51

TABLE 1. (cont.)

## CALCOPI Cruise 6007

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	120 31.0	BD	60 07 21	1816	137	502	2.73	100.0	10	48
100.0	30 39.5	116 46.6	HO	60 08 03	1346	151	472	3.19	100.0	40	45
100.0	31 31.0	117 08.2	HO	60 08 03	1046	153	453	3.37	100.0	20	4
100.0	40.0	117 27.0	HO	60 08 03	0746	144	452	3.19	100.0	5	3
100.0	45.0	117 46.0	HO	60 08 03	0456	139	492	2.82	100.0	9	9
100.0	50.0	118 05.0	HO	60 08 03	0216	155	449	3.46	100.0	26	17
100.0	55.0	118 24.7	HO	60 08 02	2256	131	503	2.60	100.0	8	187
100.0	65.0	119 05.0	HO	60 08 02	1726	124	540	2.30	100.0	42	362
100.0	70.0	119 24.5	HO	60 08 02	1456	131	530	2.47	100.0	81	245
100.0	80.0	120 09.0	HO	60 08 02	0916	152	450	3.39	100.0	13	74
100.0	90.0	120 45.0	HO	60 08 02	0446	158	442	3.57	100.0	17	175
100.0	100.0	121 21.0	HO	60 08 01	2336	129	518	2.50	100.0	150	208
100.0	120.0	122 46.5	BD	60 08 01	1416	133	512	2.59	100.0	42	11
103.0	30 04.0	116 28.5	BD	60 07 23	0203	68	261	2.60	100.0	34	93
103.0	35.0	116 45.0	BD	60 07 22	2336	130	492	2.81	100.0	17	3
103.0	40.0	117 04.5	BD	60 07 22	2051	149	479	2.93	100.0	6	19
103.0	45.0	117 25.0	BD	60 07 22	1821	129	481	2.68	100.0	7	3
103.0	50.0	117 45.0	BD	60 07 22	1546	139	435	3.20	100.0	5	36
103.0	55.0	118 12.0	BD	60 07 22	1251	139	478	2.92	100.0	26	213
103.0	60.0	118 27.0	BD	60 07 22	1041	131	500	2.83	100.0	101	368
103.0	65.0	118 44.0	BD	60 07 22	0816	139	488	2.85	100.0	28	113
103.0	70.0	118 59.0	BD	60 07 22	0621	139	500	2.78	100.0	40	399
103.0	80.0	119 37.0	BD	60 07 22	0216	137	516	2.65	100.0	21	333
107.0	32.0	116 11.0	BD	60 07 23	0626	139	481	2.89	100.0	19	181
107.0	35.0	116 22.5	BD	60 07 23	0816	138	473	2.93	100.0	15	39
107.0	40.0	116 42.0	BD	60 07 23	1046	139	447	3.11	100.0	14	19
107.0	45.0	117 02.0	BD	60 07 23	1326	143	465	3.07	100.0	64	153
107.0	50.0	117 22.0	BD	60 07 23	1556	140	483	2.90	100.0	66	169
107.0	55.0	117 44.0	BD	60 07 23	1846	138	481	2.87	100.0	16	85
107.0	60.0	118 02.0	BD	60 07 23	2041	134	469	2.86	100.0	287	144
107.0	65.0	118 21.0	BD	60 07 23	2251	131	485	2.76	100.0	59	991
107.0	70.0	118 41.0	BD	60 07 24	0116	137	512	2.67	100.0	322	368
107.0	80.0	119 41.0	BD	60 07 24	0526	136	480	2.88	100.0	31	142
110.0	33.0	115 53.0	HO	60 08 04	2247	104	474	2.78	100.0	45	77
110.0	35.0	116 00.7	HO	60 08 05	0056	132	503	2.63	100.0	67	41
110.0	40.0	116 22.0	HO	60 08 05	0356	151	457	3.30	100.0	21	29
110.0	45.0	116 43.3	HO	60 08 05	0626	134	508	2.64	100.0	11	8
110.0	50.0	117 03.0	HO	60 08 05	0856	146	460	3.18	100.0	26	10
110.0	55.0	117 19.0	HO	60 08 05	1136	147	465	3.15	100.0	20	10
110.0	60.0	117 36.0	HO	60 08 05	1416	138	493	2.80	100.0	99	55
110.0	65.0	117 59.0	HO	60 08 05	1616	136	501	2.71	100.0	16	187
110.0	70.0	118 18.0	HO	60 08 05	1916	136	484	2.82	100.0	132	519
110.0	80.0	118 55.0	HO	60 08 06	0026	131	490	2.66	100.0	192	549
110.0	90.0	119 33.5	HO	60 08 06	0526	146	486	3.01	100.0	80	97
110.0	100.0	120 14.0	HO	60 08 06	0956	139	499	2.79	100.0	25	30

TABLE 1. (cont.)

## CALCOFI Cruise 6007

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	26 55.0	121 31.0	HO	60 08 06	1756	143	500	2.85	100.0	14	26
113.0	29 21.0	115 18.0	BD	60 07 25	1608	51	222	2.31	100.0	9	97
113.0	29 09.5	115 36.0	BD	60 07 25	1341	142	485	2.92	100.0	11	10
113.0	29 01.0	115 56.8	BD	60 07 25	1056	142	501	2.84	100.0	21	6
113.0	28 47.2	116 17.6	BD	60 07 25	0811	140	486	2.87	100.0	31	14
113.0	28 40.0	116 36.0	BD	60 07 25	0541	139	452	3.07	100.0	45	7
113.0	28 32.0	116 57.0	BD	60 07 25	0301	137	436	3.15	100.0	153	65
113.0	28 22.0	117 16.5	BD	60 07 25	0021	139	472	2.95	100.0	127	21
113.0	28 12.0	117 36.0	BD	60 07 24	2146	135	484	2.80	100.0	39	42
113.0	28 02.0	117 55.0	BD	60 07 24	1911	140	458	3.06	100.0	39	74
113.0	27 42.0	118 33.5	BD	60 07 24	1436	140	474	2.94	100.0	36	331
113.0	27 52.0	118 24.0	BD	60 08 14	0156	145	461	3.15	100.0	34	20
115.0	28 52.0	114 41.5	BD	60 07 25	2018	57	268	2.12	100.0	10	307
117.0	28 56.0	114 41.5	BD	60 07 25	2247	74	366	2.02	100.0	35	629
117.0	28 48.0	114 56.5	BD	60 07 26	2326	140	468	3.00	100.0	4	125
117.0	28 38.0	115 16.0	BD	60 07 27	0206	138	500	2.76	100.0	22	42
117.0	28 28.0	115 35.5	BD	60 07 27	0436	138	486	2.83	100.0	42	22
117.0	28 17.5	116 56.0	BD	60 07 27	0656	137	444	3.08	100.0	32	18
117.0	28 09.0	116 13.5	BD	60 07 27	0941	135	470	2.88	100.0	9	27
117.0	27 58.0	116 34.5	BD	60 07 27	1226	135	470	2.88	100.0	47	82
117.0	27 48.0	116 55.0	BD	60 07 27	1436	140	474	2.92	100.0	22	35
117.0	27 37.5	117 13.5	BD	60 07 27	1716	137	469	2.95	100.0	11	37
117.0	27 28.0	117 32.5	BD	60 07 27	2136	138	472	2.92	100.0	312	132
117.0	27 08.0	118 10.5	BD	60 07 27	2031	138	472	2.84	100.0	275	394
118.0	28 18.5	115 23.7	BD	60 08 13	2007	77	398	1.94	100.0	227	186
119.0	28 39.0	114 52.0	BD	60 08 13	0334	35	141	2.49	100.0	44	82
120.0	28 22.5	114 15.0	BD	60 07 26	0548	74	280	2.65	100.0	115	670
120.0	28 13.0	114 34.0	BD	60 07 26	0758	60	331	1.80	100.0	141	887
120.0	28 03.0	114 54.0	BD	60 07 26	1349	25	173	1.46	100.0	51	543
120.0	27 56.5	115 14.0	HO	60 08 08	1806	146	467	3.12	100.0	72	99
120.0	27 44.8	115 37.0	HO	60 08 08	1626	144	467	3.09	100.0	25	45
120.0	27 36.4	115 52.5	HO	60 08 08	1316	131	515	2.55	100.0	27	28
120.0	27 26.0	116 12.5	HO	60 08 08	1056	119	547	2.17	100.0	69	31
120.0	27 14.5	116 33.5	HO	60 08 08	0726	140	480	2.92	100.0	56	38
120.0	27 03.0	116 56.0	HO	60 08 08	0456	147	500	2.94	100.0	58	38
120.0	26 52.0	117 14.5	HO	60 08 08	0016	137	490	2.80	100.0	128	32
120.0	26 32.0	117 51.5	HO	60 08 08	0456	147	490	2.80	100.0	128	32
120.0	26 13.5	118 25.8	HO	60 08 07	1916	148	478	3.09	100.0	124	60
120.0	25 53.0	119 04.5	HO	60 08 07	1426	132	520	2.53	100.0	155	58
120.0	25 13.0	120 20.5	HO	60 08 07	0556	147	492	2.98	100.0	21	26
123.0	27 24.0	114 40.0	BD	60 07 28	2153	66	267	2.46	100.0	14	79
123.0	27 14.0	114 59.0	BD	60 07 28	1936	137	466	2.93	100.0	27	21
123.0	26 58.0	115 31.0	BD	60 07 28	1636	134	500	2.68	100.0	37	54
123.0	26 48.5	115 49.5	BD	60 07 28	1436	140	468	3.00	100.0	61	56
123.0	26 38.5	116 09.0	BD	60 07 28	0906	141	466	3.02	100.0	43	23
127.0	26 55.0	114 06.5	BD	60 07 29	0233	65	271	2.39	100.0	2	147



TABLE 1. (cont.)

## CALCOFI Cruise 6007

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	40.0	26 43.5	BD	60 07 29	0506	134	483	2.77	100.0	51	52
127.0	45.0	114 48.5	BD	60 07 29	0721	137	481	2.85	100.0	24	24
127.0	50.0	26 23.0	BD	60 07 29	0951	138	478	2.88	100.0	9	58
127.0	55.0	26 13.5	BD	60 07 29	1236	133	477	2.78	100.0	9	45
127.0	60.0	26 03.5	BD	60 07 29	1506	142	466	3.05	100.0	24	20
130.0	30.0	26 28.2	HO	60 08 09	0838	63	239	2.62	100.0	1	7
130.0	35.0	26 17.0	HO	60 08 09	0956	138	476	2.89	100.0	22	8
130.0	40.0	26 03.0	HO	60 08 09	1316	141	471	2.99	100.0	23	43
130.0	45.0	25 56.3	HO	60 08 09	1446	131	504	2.60	100.0	18	28
130.0	50.0	25 49.0	HO	60 08 09	1736	142	495	2.87	100.0	42	24
130.0	55.0	25 40.5	HO	60 08 09	1936	133	508	2.61	100.0	72	41
130.0	60.0	25 29.0	HO	60 08 09	2236	152	429	3.54	100.0	62	11
130.0	70.0	25 09.0	HO	60 08 10	0356	146	461	3.18	100.0	59	169
130.0	80.0	24 49.0	HO	60 08 10	0856	128	524	2.44	100.0	18	7
133.0	25.0	26 05.0	HO	60 08 11	2238	53	289	1.83	100.0	106	15
133.0	30.0	25 52.5	HO	60 08 12	0106	122	536	2.28	100.0	480	16
133.0	35.0	25 41.6	HO	60 08 12	0326	125	508	2.46	100.0	103	348
133.0	40.0	25 33.5	HO	60 08 12	0846	141	473	2.98	100.0	21	125
133.0	45.0	25 23.2	HO	60 08 12	1106	150	444	3.37	100.0	40	47
133.0	50.0	25 13.0	HO	60 08 12	1316	158	437	3.61	100.0	10	33
133.0	55.0	25 05.0	HO	60 08 12	1526	135	503	2.69	100.0	92	58
133.0	60.0	24 55.0	HO	60 08 12	1746	134	519	2.58	100.0	37	11
134.0	36.0	25 37.0	HO	60 08 12	0557	112	358	3.13	100.0	68	411
137.0	23.0	25 35.0	HO	60 08 11	1226	123	228	2.31	100.0	805	2556
137.0	30.0	25 19.0	HO	60 08 11	0936	143	493	2.31	100.0	18	1098
137.0	35.0	25 09.0	HO	60 08 11	0716	132	511	2.59	100.0	30	31
137.0	40.0	24 56.7	HO	60 08 11	0426	122	544	2.59	100.0	152	22
137.0	45.0	24 45.9	HO	60 08 11	0201	152	459	3.31	100.0	141	14
137.0	50.0	24 37.0	HO	60 08 10	2306	136	502	2.72	100.0	99	9
137.0	55.0	24 28.6	HO	60 08 10	2036	127	533	2.38	100.0	50	17
137.0	60.0	24 19.0	HO	60 08 10	2036	127	533	2.38	100.0	50	17

TABLE 1. (cont.)

## CalCOFI Cruise 6008

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	40.0	34 14.0	BD	60 08 10	0709	17	118	1.44	100.0	10	169
83.0	43.0	34 08.0	BD	60 08 10	0841	132	545	2.43	100.0	3	263
83.0	53.0	33 52.0	BD	60 08 11	1336	138	496	2.41	100.0	3	49
87.0	35.0	33 50.0	BD	60 08 11	0351	130	527	2.61	100.0	42	21
87.0	40.0	33 40.0	BD	60 08 11	0056	134	579	2.31	100.0	25	7
87.0	45.0	33 30.0	BD	60 08 10	2221	131	527	2.48	100.0	6	4
87.0	50.0	33 30.0	BD	60 08 10	1946	137	201	1.22	100.0	2	15
90.0	32.0	33 28.5	BD	60 08 11	0926	136	523	2.60	100.0	15	75
90.0	38.0	33 20.5	BD	60 08 11	1156	139	531	2.61	100.0	18	18
90.0	37.0	33 11.0	BD	60 08 11	1521	142	516	2.75	100.0	13	24
90.0	45.0	33 54.5	BD	60 08 11	1951	132	524	2.52	100.0	11	2
90.0	53.0	32 39.0	BD	60 08 12	0059	140	522	2.68	100.0	9	0
90.0	60.0	32 25.0	BD	60 08 12	0506	137	512	2.68	100.0	9	0
90.0	70.0	32 04.5	BD	60 08 12	1031	138	484	2.85	100.0	6	9
90.0	80.0	31 44.5	BD	60 08 12	1636	137	480	2.85	100.0	2	5
90.0	90.0	31 24.0	BD	60 08 12	2136	137	498	2.76	100.0	157	81
90.0	100.0	31 05.0	BD	60 08 13	0239	147	514	2.85	100.0	154	133
93.0	28.0	32 54.7	BD	60 08 15	0436	134	502	2.76	100.0	45	8
93.0	30.0	32 50.5	BD	60 08 15	0215	138	502	2.52	100.0	15	5
93.0	35.0	32 40.0	BD	60 08 14	2331	134	532	2.52	100.0	0	0
93.0	40.0	32 30.0	BD	60 08 14	1436	144	503	2.85	100.0	0	0
93.0	50.0	32 10.0	BD	60 08 14	0946	133	513	2.59	100.0	11	3
93.0	60.0	31 50.0	BD	60 08 14	0446	145	494	2.93	100.0	9	3
93.0	70.0	31 30.0	BD	60 08 13	2326	140	506	2.93	100.0	0	0
93.0	80.0	31 10.0	BD	60 08 13	1746	149	481	3.10	100.0	1	63
93.0	90.0	31 01.0	BD	60 08 13	1148	143	496	2.87	100.0	11	17
93.0	100.0	32 34.3	BD	60 08 13	0801	132	502	2.63	100.0	72	666
97.0	30.0	32 16.0	BD	60 08 16	2338	48	246	1.95	100.0	128	212.5
97.0	32.0	32 12.0	BD	60 08 16	2326	129	48	2.42	100.0	1	2
97.0	35.0	32 01.5	BD	60 08 16	2001	130	526	2.47	100.0	1	1
97.0	40.0	31 56.0	BD	60 08 16	1731	136	523	2.60	100.0	8	7
100.0	29.0	31 42.2	BD	60 08 17	0411	135	508	2.66	100.0	13	144
100.0	30.0	31 40.5	BD	60 08 17	0456	135	518	2.61	100.0	27	119
100.0	35.0	31 30.5	BD	60 08 17	0711	139	492	2.82	100.0	30	5
100.0	40.0	31 21.0	BD	60 08 17	0931	142	475	3.00	100.0	5	5
103.0	30.0	31 06.0	BD	60 08 17	1844	68	264	2.85	100.0	18	308
103.0	35.0	30 56.0	BD	60 08 17	1621	140	493	2.85	100.0	1	0
103.0	40.0	30 46.0	BD	60 08 17	1401	146	481	3.04	100.0	2	0
103.0	45.0	30 36.8	BD	60 08 17	2311	138	474	2.91	100.0	31	125
107.0	32.0	30 25.8	BD	60 08 18	0846	137	484	2.84	100.0	10	14
107.0	35.0	30 21.5	BD	60 08 18	0311	142	471	3.03	100.0	10	13
110.0	40.0	30 11.0	BD	60 08 18	0311	142	471	2.95	100.0	37	61
110.0	35.0	29 50.0	BD	60 08 18	1113	89	301	2.89	100.0	6	16
110.0	35.0	29 46.0	BD	60 08 18	0956	142	490	2.89	100.0	6	4
110.0	40.0	29 36.5	BD	60 08 18	0731	131	523	2.51	100.0	6	4
113.0	30.0	29 22.0	BD	60 08 18	1609	31	153	2.04	100.0	16	163

TABLE 1. (cont.)

## CALCOFI Cruise 6008

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
113.0	35.0	29 11.5	BD	60 08 18	1816	137	501	2.74	100.0	13	29
113.0	40.0	29 02.0	BD	60 08 18	2046	139	487	2.85	100.0	50	2
117.0	26.0	28 56.0	BD	60 08 19	1559	229	284	1.01	100.0	51	139
117.0	30.0	28 48.0	BD	60 08 19	1358	67	266	2.51	100.0	0	1
117.0	35.0	28 38.0	BD	60 08 19	1121	139	507	2.74	100.0	0	44
117.0	40.0	28 28.0	BD	60 08 19	0146	142	511	2.77	100.0	70	10
118.0	39.0	28 18.5	BD	60 08 19	0321	138	506	2.73	100.0	78	32
119.0	33.0	28 19.0	BD	60 08 20	0156	71	289	2.75	100.0	41	72
120.0	25.0	28 22.5	BD	60 08 19	2119	28	162	1.75	100.0	1552	175
120.0	30.0	28 13.0	BD	60 08 19	2328	61	287	2.13	100.0	176	671
120.0	35.0	28 03.0	BD	60 08 20	0338	64	291	2.18	100.0	50	84
120.0	40.0	27 56.5	BD	60 08 20	0544	27	178	1.50	100.0	20	115
120.0	45.0	27 43.0	BD	60 08 20	0816	139	482	2.89	100.0	102	35
123.0	37.0	27 24.0	BD	60 08 20	1736	58	304	1.91	100.0	4	157
123.0	42.0	27 14.0	BD	60 08 20	1509	146	490	2.97	100.0	37	250
123.0	45.0	27 08.0	BD	60 08 20	1321	138	509	2.72	100.0	16	131
127.0	34.0	26 55.0	BD	60 08 20	2243	54	322	1.69	100.0	9	14
127.0	40.0	26 43.5	BD	60 08 21	0136	131	543	2.42	100.0	24	77
130.0	30.0	26 28.0	BD	60 08 21	1128	161	278	2.18	100.0	34	9
130.0	35.0	26 16.0	BD	60 08 21	0836	135	518	2.61	100.0	31	21
130.0	40.0	26 09.0	BD	60 08 21	0559	132	525	2.52	100.0	29	29
133.0	25.0	26 04.5	BD	60 08 21	1928	65	347	1.88	100.0	248	2
133.0	30.0	25 54.5	BD	60 08 21	2151	130	560	2.32	100.0	105	153
137.0	23.0	25 34.0	BD	60 08 22	0518	56	330	1.69	100.0	33	2092
137.0	30.0	25 20.0	BD	60 08 22	0216	138	529	2.61	100.0	125	10
140.0	30.0	24 45.5	BD	60 08 22	1028	51	355	1.43	100.0	22	82
143.0	26.0	24 19.0	BD	60 08 22	1521	33	175	1.86	100.0	55	166

TABLE 1. (cont.)

## CalCOFI Cruise 6009

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	30-0	31 06.0	BD	60 09 09	0636	63	321	1.96	100.0	38	147
103-0	35-0	30 56.0	BD	60 09 09	0351	136	520	2.62	100.0	24	3
103-0	40-0	30 42.8	BD	60 09 09	0051	131	553	2.36	100.0	87	5
107-0	32-0	30 25.8	BD	60 09 09	1126	138	529	2.61	100.0	4	28
107-0	35-0	30 21.5	BD	60 09 09	1306	144	506	2.84	100.0	24	15
107-0	40-0	30 11.0	BD	60 09 09	1546	137	547	2.50	100.0	19	1031
110-0	33-0	29 50.0	BD	60 09 09	2348	56	277	2.01	100.0	44	7
110-0	35-0	29 46.0	BD	60 09 09	2226	137	538	2.54	100.0	66	1
110-0	40-0	29 32.0	BD	60 09 09	2001	110	648	1.91	100.0	45	1
113-0	30-0	29 22.0	BD	60 09 10	0516	45	234	1.91	100.0	13	221
113-0	35-0	29 11.5	BD	60 09 10	0727	140	503	2.79	100.0	7	11
113-0	40-0	29 02.0	BD	60 09 10	0946	136	529	2.57	100.0	43	5
115-0	27-0	29 11.0	BD	60 09 10	1845	64	276	2.33	100.0	9	219
115-0	30-0	29 05.0	BD	60 09 10	1711	84	297	2.81	100.0	9	124
115-0	35-0	28 56.8	BD	60 09 10	1436	145	518	2.80	100.0	17	4
115-0	40-0	28 47.0	BD	60 09 10	1201	143	525	2.72	100.0	33	11
117-0	26-0	28 56.0	BD	60 09 10	2113	62	248	2.50	100.0	67	76
117-0	30-0	28 48.0	BD	60 09 10	2302	92	345	2.68	100.0	74	66
117-0	35-0	28 38.0	BD	60 09 11	0126	148	482	3.08	100.0	41	72
117-0	40-0	28 28.0	BD	60 09 11	0420	136	515	2.63	100.0	63	107
118-5	25-0	28 35.5	BD	60 09 11	2223	76	287	2.65	100.0	47	190
118-5	27-5	28 35.5	BD	60 09 11	2053	77	309	2.49	100.0	189	173
118-5	30-0	28 30.5	BD	60 09 11	1902	91	376	2.41	100.0	88	88
118-5	32-5	28 25.5	BD	60 09 11	1732	98	372	2.63	100.0	4	69
118-5	35-0	28 20.5	BD	60 09 11	1538	81	304	2.67	100.0	1	67
119-0	27-5	28 31.3	BD	60 09 12	2348	77	301	2.55	100.0	85	324
119-0	30-0	28 26.5	BD	60 09 12	0113	72	261	2.76	100.0	52	342
119-0	32-5	28 21.7	BD	60 09 12	0243	72	292	2.46	100.0	71	186
119-0	35-0	28 16.7	BD	60 09 12	0417	86	323	2.66	100.0	179	366
119-0	38-0	28 11.7	BD	60 09 12	0548	79	340	2.31	100.0	24	564
120-0	25-0	28 25.5	BD	60 09 12	1707	42	179	2.37	100.0	98	408
120-0	27-5	28 17.8	BD	60 09 12	1538	72	305	2.68	100.0	9	403
120-0	30-0	28 13.0	BD	60 09 12	1418	74	278	2.61	100.0	43	453
120-0	32-5	28 08.0	BD	60 09 12	1243	68	306	2.21	100.0	33	138
120-0	35-0	28 03.0	BD	60 09 12	1058	69	307	2.45	100.0	76	189
120-0	37-5	27 59.5	BD	60 09 12	0938	44	341	1.45	100.0	47	136
120-0	40-0	27 56.5	BD	60 09 12	0819	32	152	2.10	100.0	1	596
121-0	27-5	28 09.0	BD	60 09 12	1914	28	165	1.72	100.0	12	504
121-0	30-0	28 04.3	BD	60 09 12	2213	54	275	1.95	100.0	24	136
121-0	32-5	27 59.3	BD	60 09 12	2323	51	281	1.83	100.0	60	647
121-0	35-0	27 54.3	BD	60 09 13	0044	34	196	1.71	100.0	161	514

TABLE 1. (cont.)

## CalCOFI Cruise 6010

Line Station	Lat. (N) deg. min.	Long. (W) deg. min.	Ship Code	Tow Date yr. mo. day	Time (PST)	Tow Depth (m)	Vol. Water Strained (cu. m)	Stand- ard Haul Factor	Percent Sorted	Total Larvae	Total Eggs
60.0	52.0	123 01.7	SB	60 09 26	0908	61	190	3.18	100.0	6	153
60.0	55.0	123 15.0	SB	60 09 26	1037	97	364	2.66	100.0	0	17
60.0	60.0	123 37.0	SB	60 09 26	1326	136	505	2.69	100.0	3	2
60.0	70.0	124 23.0	SB	60 09 26	1810	122	518	2.36	100.0	8	5
60.0	80.0	125 04.0	SB	60 09 26	2246	146	453	3.23	100.0	9	2
60.0	90.0	125 45.5	SB	60 09 27	0306	140	388	3.61	100.0	4	5
60.0	100.0	126 30.0	SB	60 09 27	0806	144	466	3.09	100.0	4	9
60.0	120.0	127 54.5	SB	60 09 27	1611	145	466	3.11	100.0	2	6
60.0	140.0	129 18.0	SB	60 09 28	0004	137	509	2.68	100.0	93	13
60.0	160.0	130 41.0	SB	60 09 28	0831	139	516	2.68	100.0	13	17
60.0	180.0	132 03.0	SB	60 09 28	2215	138	510	2.71	100.0	27	7
60.0	200.0	133 28.0	SB	60 09 29	0616	133	562	2.41	100.0	40	30
63.0	52.0	122 36.7	SB	60 09 26	0408	54	340	1.58	100.0	0	1
63.0	55.0	122 49.8	SB	60 09 26	0126	136	514	2.64	100.0	0	8
63.0	60.0	123 11.4	SB	60 09 25	2111	137	514	2.72	100.0	5	5
67.0	50.0	122 03.0	SB	60 09 25	1017	95	387	2.46	100.0	3	1010
67.0	55.0	122 26.4	SB	60 09 25	1216	138	497	2.77	100.0	6	136
67.0	60.0	122 47.5	SB	60 09 25	1631	138	507	2.73	100.0	3	23
70.0	53.0	121 56.0	SB	60 09 25	0416	127	582	2.19	100.0	6	5
70.0	55.0	122 02.5	SB	60 09 25	0216	137	525	2.61	100.0	6	1
70.0	60.0	122 22.5	SB	60 09 24	2346	131	532	2.47	100.0	2	0
70.0	70.0	123 03.4	SB	60 09 24	1916	133	518	2.57	100.0	1	0
70.0	80.0	123 43.0	SB	60 09 24	1315	134	527	2.54	100.0	0	0
70.0	90.0	124 29.0	SB	60 09 24	0736	141	537	2.62	100.0	3	2
70.0	100.0	125 13.2	SB	60 09 24	0035	143	515	2.78	100.0	5	8
70.0	200.0	132 05.2	SB	60 09 29	1746	134	548	2.45	100.0	4	10
73.0	51.0	121 21.0	BD	60 10 10	0426	140	460	3.05	100.0	0	1
73.0	55.0	121 36.4	BD	60 10 10	0706	111	641	1.74	100.0	0	4
73.0	60.0	121 57.5	BD	60 10 10	1031	142	468	3.03	100.0	0	1
77.0	50.0	120 52.0	BD	60 10 10	2332	109	404	2.70	100.0	9	2
77.0	51.0	120 57.0	BD	60 10 10	2156	137	502	2.72	100.0	0	0
77.0	55.0	121 13.0	BD	60 10 10	1916	115	612	1.87	100.0	3	0
77.0	60.0	121 34.0	BD	60 09 22	1556	143	485	2.94	100.0	0	0
80.0	52.0	121 35.0	SB	60 09 22	1016	134	552	2.43	100.0	3	1
80.0	55.0	121 48.0	SB	60 09 22	1311	127	551	2.30	100.0	1	0
80.0	60.0	121 09.5	SB	60 09 22	1641	140	554	2.57	100.0	0	0
80.0	65.0	121 30.2	SB	60 09 22	1846	133	539	2.46	100.0	0	0
80.0	70.0	121 51.7	SB	60 09 22	2151	153	497	3.08	100.0	7	2
80.0	80.0	122 33.5	SB	60 09 23	0236	141	522	2.69	100.0	0	0
80.0	90.0	123 16.2	SB	60 09 23	0736	128	580	2.21	100.0	6	18
80.0	100.0	123 53.5	SB	60 09 23	1146	134	521	2.57	100.0	3	40
80.0	200.0	130 41.2	SB	60 09 30	0536	131	611	2.15	100.0	61	11
82.0	47.0	119 58.0	BD	60 10 11	1841	139	495	2.81	100.0	16	57
83.0	40.0	119 22.0	BD	60 10 11	2305	11	89	1.20	100.0	15	141
83.0	43.0	119 34.0	BD	60 10 11	2111	137	503	2.73	100.0	30	10

TABLE 1. (cont.)

## CALCOFI Cruise 6010

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	51.0	120 07.6	BD	60 10 11	1523	70	270	2.58	100.0	11	477
83.0	33 44.0	120 24.5	BD	60 10 11	1321	138	513	2.69	100.0	0	0
83.0	33 34.0	120 45.0	BD	60 10 11	0936	138	506	2.72	100.0	3	1
87.0	35.0	118 37.5	BD	60 10 12	0416	144	488	2.94	100.0	12	32
87.0	33 40.0	118 58.5	BD	60 10 12	0656	139	508	2.74	100.0	5	70
87.0	33 30.0	119 19.0	BD	60 10 12	0926	141	459	3.07	100.0	9	0
87.0	33 20.0	119 35.5	BD	60 10 12	1208	74	243	3.04	100.0	2	2
87.0	33 14.5	120 03.5	BD	60 10 12	1451	143	475	3.02	100.0	1	0
87.0	33 08.0	120 21.5	BD	60 10 12	1716	134	483	2.78	100.0	3	1
90.0	33 28.2	117 46.7	SB	60 10 04	0036	115	590	1.96	100.0	9	14
90.0	33 22.8	118 00.0	SB	60 10 03	2301	143	488	2.93	100.0	23	2
90.0	33 10.7	118 23.3	SB	60 10 03	1726	142	509	2.79	100.0	12	0
90.0	33 05.0	118 56.2	SB	60 10 03	1416	137	491	2.79	100.0	1	8
90.0	32 41.6	119 31.3	SB	60 10 03	1026	136	513	2.65	100.0	5	0
90.0	32 27.0	119 57.0	SB	60 10 03	0646	128	585	2.18	100.0	4	0
90.0	32 17.0	120 17.0	SB	60 10 03	0356	141	522	2.70	100.0	4	2
90.0	32 06.0	120 36.2	SB	60 10 03	0136	139	509	2.74	100.0	1	2
90.0	31 45.2	121 18.2	SB	60 10 02	2101	140	507	2.76	100.0	10	6
90.0	31 25.0	121 58.0	SB	60 10 02	1641	121	502	2.42	100.0	10	12
90.0	31 05.0	122 35.0	SB	60 10 02	1201	124	553	2.24	100.0	13	24
90.0	30 25.0	123 58.5	SB	60 10 02	0416	136	553	2.46	100.0	72	19
90.0	29 45.0	125 20.5	SB	60 10 01	2021	140	509	2.75	100.0	43	19
90.0	29 06.5	126 39.0	SB	60 10 01	0916	142	500	2.84	100.0	40	8
90.0	28 29.6	127 58.7	SB	60 10 01	0106	142	502	2.84	100.0	22	7
90.0	27 43.0	129 12.2	SB	60 09 30	1714	137	548	2.49	100.0	9	2
93.0	28.0	127 21.8	SB	60 10 15	1036	135	496	2.71	100.0	4	2
93.0	30.0	117 31.5	BD	60 10 15	0841	130	512	2.54	100.0	0	2
93.0	32 39.5	117 52.5	BD	60 10 15	0616	143	534	2.68	100.0	4	0
93.0	40.0	118 12.5	BD	60 10 15	0316	142	485	2.93	100.0	5	1
93.0	45.0	118 33.0	BD	60 10 15	0036	146	466	3.13	100.0	1	1
93.0	55.0	119 09.0	BD	60 10 14	2101	142	458	3.10	100.0	0	1
93.0	32 04.0	119 09.0	BD	60 10 14	1856	138	510	2.98	100.0	9	1
93.0	31 52.0	119 39.5	BD	60 10 14	1536	139	467	2.98	100.0	15	6
93.0	31 40.0	119 53.5	BD	60 10 14	1241	145	467	3.11	100.0	0	6
93.0	31 31.5	120 29.0	BD	60 10 14	0736	143	488	2.94	100.0	2	16
93.0	31 11.0	121 05.0	BD	60 10 14	0046	143	464	3.08	100.0	6	9
93.0	30 50.0	121 41.0	BD	60 10 13	1856	142	515	2.76	100.0	41	25
93.0	30 28.3	122 18.9	BD	60 10 13	1316	139	475	2.92	100.0	7	34
97.0	32 15.3	117 08.4	BD	60 10 18	1129	47	191	2.45	100.0	24	41
97.0	32 11.4	117 16.3	BD	60 10 18	1016	143	475	3.00	100.0	8	0
97.0	32 03.3	117 29.0	BD	60 10 18	0806	145	470	3.07	100.0	2	0
97.0	31 56.0	117 50.0	BD	60 10 18	0526	142	482	3.04	100.0	5	1
97.0	45.0	118 10.0	BD	60 10 18	0256	151	458	3.33	100.0	7	2
97.0	50.0	118 30.0	BD	60 10 18	0016	141	471	2.99	100.0	16	3
100.0	30.0	116 47.0	HS	60 10 07	0426	140	519	2.70	100.0	31	71

TABLE 1. (cont.)

## CALCOFI Cruise 6010

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	31 28.2	117 08.1	HS	60 10 07	0806	134	516	2.59	100.0	18	10
100.0	31 14.8	117 25.7	HS	60 10 07	1206	136	515	2.63	100.0	46	0
100.0	45.0	117 44.9	HS	60 10 07	1456	141	516	2.74	100.0	7	3
100.0	31 00.0	118 07.2	HS	60 10 07	1851	146	490	3.08	100.0	13	7
100.0	31 07.1	118 25.3	HS	60 10 07	2156	145	471	3.07	100.0	60	9
100.0	30 36.8	118 43.7	HS	60 10 07	0154	144	529	2.71	100.0	256	24
100.0	30 24.1	119 02.0	HS	60 10 08	0826	146	499	2.93	100.0	530	45
100.0	30 12.8	119 19.9	HS	60 10 08	0826	140	536	2.61	100.0	177	22
100.0	29 53.0	119 59.0	HS	60 10 08	1446	141	493	2.86	100.0	70	33
100.0	29 33.7	120 43.8	HS	60 10 08	2301	156	480	3.25	100.0	119	49
100.0	29 20.0	121 22.0	HS	60 10 09	0526	157	494	3.18	100.0	23	55
100.0	28 36.0	122 47.2	HS	60 10 09	1706	142	516	3.18	100.0	193	11
103.0	31 05.0	116 25.0	BD	60 10 18	1938	61	241	2.55	100.0	25	2
103.0	30 55.2	116 45.0	BD	60 10 18	2201	141	456	2.75	100.0	8	5
103.0	30 45.0	117 05.5	BD	60 10 19	0046	138	479	2.89	100.0	32	5
103.0	30 28.8	116 11.0	BD	60 10 19	0056	139	482	2.89	100.0	5	6
107.0	30 20.0	116 23.0	BD	60 10 19	0816	143	462	3.10	100.0	0	1
107.0	30 08.0	116 45.3	BD	60 10 19	0501	144	470	3.07	100.0	38	0
110.0	29 48.8	115 51.2	HS	60 10 12	1639	35	144	2.42	100.0	15	58
110.0	29 40.0	116 04.5	HS	60 10 12	1426	136	507	2.69	100.0	27	2
110.0	29 27.1	116 21.8	HS	60 10 12	1426	152	468	3.26	100.0	15	11
110.0	29 19.3	116 41.6	HS	60 10 12	0746	147	445	3.30	100.0	15	31
110.0	29 12.0	116 56.3	HS	60 10 12	0526	143	482	2.98	100.0	47	19
110.0	29 03.3	117 16.5	HS	60 10 12	0156	140	508	2.75	100.0	223	7
110.0	28 54.7	117 36.3	HS	60 10 11	2311	142	501	2.83	100.0	172	35
110.0	28 45.3	117 58.0	HS	60 10 11	1951	140	490	2.85	100.0	287	61
110.0	28 38.4	118 13.2	HS	60 10 11	0926	145	487	2.98	100.0	60	31
110.0	28 21.6	118 45.1	HS	60 10 11	0456	133	524	2.54	100.0	139	159
110.0	27 58.7	119 30.1	HS	60 10 11	2316	137	521	2.64	100.0	295	46
110.0	27 35.0	120 17.9	HS	60 10 11	1636	144	493	2.92	100.0	57	46
110.0	27 05.9	121 37.0	BD	60 10 19	0626	142	506	2.81	100.0	27	14
113.0	29 22.0	115 18.0	BD	60 10 19	2056	145	468	3.10	100.0	12	87
113.0	29 11.5	115 38.0	BD	60 10 19	2321	138	476	2.90	100.0	5	13
113.0	29 02.0	115 57.0	BD	60 10 22	0816	136	476	2.90	100.0	26	2
115.0	28 54.5	115 26.9	BD	60 10 20	1338	56	518	2.96	100.0	19	265
117.0	28 56.0	114 41.5	BD	60 10 20	1138	81	301	2.96	100.0	24	300
117.0	28 48.0	115 16.0	BD	60 10 20	0836	140	467	2.99	100.0	7	185
117.0	28 38.0	115 56.5	BD	60 10 20	0346	144	465	2.99	100.0	41	4
117.0	28 28.0	115 35.5	BD	60 10 20	0556	143	463	3.09	100.0	21	15
118.0	28 18.5	115 23.7	HS	60 10 22	1048	84	323	3.09	100.0	134	268
119.0	28 19.6	114 52.2	BD	60 10 20	1803	51	209	2.44	100.0	79	747
120.0	28 22.5	114 15.0	BD	60 10 20	1803	51	209	2.44	100.0	38	190
120.0	28 13.0	114 34.0	BD	60 10 20	2028	82	294	2.79	100.0	114	197
120.0	28 03.0	114 54.0	BD	60 10 20	2258	69	244	2.82	100.0	114	190
120.0	27 56.5	115 14.0	BD	60 10 21	0109	25	126	2.00	100.0	66	161

TABLE 1. (cont.)

## CALCOFI Cruise 6010

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 42.9	HS	60 10 14	1751	142	478	2.98	100.0	48	14
120.0	50.0	27 32.0	HS	60 10 14	2121	145	463	3.13	100.0	40	6
120.0	55.0	27 21.9	HS	60 10 15	0006	139	486	2.85	100.0	14	4
120.0	60.0	27 11.0	HS	60 10 15	0326	141	473	2.98	100.0	28	7
120.0	65.0	27 11.0	HS	60 10 15	0626	142	496	2.86	100.0	9	0
120.0	70.0	26 49.5	HS	60 10 15	1006	137	491	2.79	100.0	26	10
120.0	80.0	26 35.0	HS	60 10 15	1326	142	474	2.99	100.0	18	38
120.0	90.0	26 10.0	HS	60 10 15	2030	142	502	2.73	100.0	167	21
120.0	100.0	25 51.4	HS	60 10 16	0211	134	513	2.62	100.0	108	105
120.0	120.0	25 14.5	HS	60 10 16	1156	136	516	2.64	100.0	77	21
123.0	37.0	27 24.0	BD	60 10 21	0638	68	271	2.51	100.0	66	177
123.0	42.0	27 14.0	BD	60 10 21	1321	139	464	2.99	100.0	5	36
123.0	45.0	27 08.0	BD	60 10 21	1501	143	456	3.14	100.0	7	6
123.0	45.0	27 08.0	BD	60 10 21	1731	145	421	3.44	100.0	40	0
123.0	50.0	26 58.0	BD	60 10 22	0558	69	225	3.06	100.0	10	147
127.0	34.0	26 55.0	BD	60 10 22	0306	142	442	3.22	100.0	23	4
127.0	40.0	26 43.5	BD	60 10 22	0036	145	422	3.43	100.0	11	8
127.0	45.0	26 33.0	BD	60 10 21	2156	143	414	3.46	100.0	28	1
127.0	50.0	26 28.9	HS	60 10 19	1029	31	159	1.93	100.0	23	64
130.0	30.0	26 18.2	HS	60 10 19	0751	139	534	2.53	100.0	53	102
130.0	35.0	26 08.3	HS	60 10 19	0521	139	508	2.74	100.0	2	18
130.0	40.0	26 08.3	HS	60 10 19	0136	137	497	2.61	100.0	58	2
130.0	45.0	25 57.1	HS	60 10 18	2256	132	504	2.76	100.0	22	20
130.0	50.0	25 46.2	HS	60 10 18	1926	140	508	2.76	100.0	91	5
130.0	55.0	25 36.3	HS	60 10 18	1356	141	496	2.84	100.0	16	20
130.0	60.0	25 30.3	HS	60 10 18	0756	134	522	2.56	100.0	70	47
130.0	70.0	25 11.8	HS	60 10 18	0226	139	504	2.77	100.0	127	19
130.0	80.0	24 47.3	HS	60 10 17	1646	139	504	2.76	100.0	9	13
130.0	100.0	24 10.0	HS	60 10 17	0226	134	535	2.50	100.0	68	14
130.0	120.0	23 30.6	HS	60 10 19	1938	167	524	2.65	100.0	354	760
137.0	20.0	25 34.0	HS	60 10 19	2326	136	531	2.56	100.0	93	74
137.0	30.0	25 20.0	HS	60 10 20	0226	136	518	2.63	100.0	64	16
137.0	35.0	25 09.9	HS	60 10 20	0556	137	499	2.68	100.0	25	6
137.0	40.0	24 59.0	HS	60 10 20	0826	134	499	2.68	100.0	8	17
137.0	45.0	24 50.0	HS	60 10 20	1226	137	504	2.71	100.0	7	18
137.0	50.0	24 40.6	HS	60 10 20	1606	140	506	2.76	100.0	56	6
137.0	55.0	24 30.0	HS	60 10 20	1856	140	506	2.77	100.0	82	86
137.0	60.0	24 21.4	HS	60 10 20							



TABLE 2. Pooled occurrences of fish larvae taken during CalCOFI cruises in 1960.

Rank	Taxon	Occurrences
1	<i>Engraulis mordax</i>	979
2	<i>Triphoturus mexicanus</i>	808
3	<i>Vinciguerria lucetia</i>	635
4	<i>Sebastes</i> spp.	572
5	<i>Leuroglossus stilbius</i>	505
6	Disintegrated fish larva	482
7	<i>Merluccius productus</i>	468
8	<i>Protomyctophum crockeri</i>	417
9	<i>Stenobrachius leucopsarus</i>	386
10	Unidentified fish larva	343
11	Myctophidae	317
12	<i>Lampanyctus ritteri</i>	311
13	<i>Cyclothone</i> spp.	271
14	<i>Trachurus symmetricus</i>	227
15	<i>Tarletonbeania crenularis</i>	222
16	<i>Diogenichthys laternatus</i>	210
17	<i>Lampanyctus</i> spp.	209
18	<i>Bathylagus ochotensis</i>	190
19	<i>Bathylagus wesethi</i>	184
20	<i>Melamphaes</i> spp.	157
21	<i>Ceratospopelus townsendi</i>	156
22	<i>Citharichthys</i> spp.	151
23	<i>Stomias atriventer</i>	142
23	<i>Sardinops sagax</i>	142
25	<i>Citharichthys fragilis</i>	137
26	<i>Diogenichthys atlanticus</i>	121
27	<i>Citharichthys xanthostigma</i>	117
28	<i>Symbolophorus californiensis</i>	109
29	Paralepididae	108
30	<i>Citharichthys stigmaeus</i>	101
31	<i>Diogenichthys</i> spp.	97
32	<i>Icichthys lockingtoni</i>	86
33	<i>Diaphus</i> spp.	76
34	Labridae	75
35	Sciaenidae	74
36	<i>Hygophum</i> spp.	73
37	<i>Chauliodus macouni</i>	69
38	Gobiidae	67
39	Sternoptychidae	66
40	<i>Notoscopelus resplendens</i>	64
40	<i>Symphurus</i> spp.	64
42	Scopelarchidae	63
43	<i>Gonichthys tenuiculus</i>	55
44	<i>Argentina sialis</i>	53
45	<i>Synodus</i> spp.	51
46	<i>Lyopsetta exilis</i>	50
47	<i>Hypsoblennius</i> spp.	47

TABLE 2. (cont.)

Rank	Taxon	Occurrences
48	<i>Lampadena urophaos</i>	46
49	<i>Scomber japonicus</i>	45
49	Trichiuridae	45
51	<i>Hygophum reinhardtii</i>	44
52	<i>Ophidion scrippsae</i>	43
52	<i>Myctophum nitidulum</i>	43
54	Ophidiiformes	41
55	Scombridae	40
56	<i>Paralichthys californicus</i>	39
56	Serranidae	39
56	<i>Hippoglossina stomata</i>	39
59	<i>Nansenia crassa</i>	38
59	<i>Chromis punctipinnis</i>	38
61	<i>Idiacanthus antrostomus</i>	36
61	<i>Pleuronichthys verticalis</i>	36
63	Chiasmodontidae	34
64	Trachipteridae	32
65	Cottidae	30
65	<i>Parophrys vetulus</i>	30
67	<i>Etrumeus acuminatus</i>	29
67	<i>Tetragonurus cuvieri</i>	29
67	<i>Scorpaena</i> spp.	29
70	<i>Sphyræna argentea</i>	28
71	<i>Scopelogadus hispidus</i>	26
72	<i>Sebastolobus</i> spp.	25
73	<i>Microstoma microstoma</i>	23
74	<i>Seriola lalandi</i>	21
74	<i>Hygophum atratum</i>	21
76	<i>Citharichthys sordidus</i>	20
76	<i>Nansenia candida</i>	20
78	<i>Bregmaceros</i> spp.	19
78	<i>Poromitra</i> spp.	19
78	Ceratioidei	19
81	<i>Diplophos taenia</i>	18
81	Clinidae	18
83	Haemulidae	17
83	Stomiiformes	17
83	<i>Prionotus</i> spp.	17
86	<i>Cololabis saira</i>	16
86	Pleuronectiformes	16
86	Anguilliformes	16
89	<i>Scopelosaurus</i> spp.	15
89	<i>Microstomus pacificus</i>	15
91	<i>Etropus</i> spp.	14
92	<i>Peprilus simillimus</i>	12
92	<i>Notolychnus valdiviae</i>	12
92	<i>Lampanyctus regalis</i>	12
92	Carangidae	12
96	Cyclopteridae	11

TABLE 2. (cont.)

Rank	Taxon	Occurrences
97	Gempylidae	10
97	<i>Bathophilus</i> spp.	10
97	<i>Pleuronichthys</i> spp.	10
97	<i>Loweina rara</i>	10
101	<i>Caulolatilus princeps</i>	9
101	<i>Oxylebius pictus</i>	9
101	<i>Zaniolepis</i> spp.	9
104	<i>Ichthyococcus</i> spp.	8
104	Gerreidae	8
104	Agonidae	8
104	<i>Chilara taylori</i>	8
104	<i>Xystreureys liolepis</i>	8
109	<i>Tactostoma macropus</i>	7
109	<i>Coryphaena hippurus</i>	7
109	<i>Syngnathus</i> spp.	7
109	<i>Glyptocephalus zachirus</i>	7
113	<i>Scorpaenichthys marmoratus</i>	6
113	<i>Brama</i> spp.	6
115	<i>Aristostomias scintillans</i>	5
115	<i>Pleuronichthys coenosus</i>	5
117	Macrouridae	4
117	<i>Girella nigricans</i>	4
117	<i>Medialuna californiensis</i>	4
117	Exocoetidae	4
117	Apogonidae	4
117	<i>Myctophum aurolaternatum</i>	4
123	<i>Scopeloberyx robustus</i>	3
123	<i>Bathylagus</i> spp.	3
123	<i>Pleuronichthys decurrens</i>	3
123	<i>Physiculus</i> spp.	3
123	<i>Mugil</i> spp.	3
123	<i>Icosteus aenigmaticus</i>	3
123	<i>Brosomphycis marginata</i>	3
123	Evermannellidae	3
123	Nomeidae	3
132	<i>Bothus</i> spp.	2
132	Scorpaenidae	2
132	<i>Psettichthys melanostictus</i>	2
132	Myctophiformes	2
132	<i>Sarda chiliensis</i>	2
132	<i>Bathylagus pacificus</i>	2
132	<i>Hygophum proximum</i>	2
132	Osmeridae	2
132	Uranoscopidae	2
132	<i>Pleuronichthys ritteri</i>	2
132	Pomacentridae	2
143	<i>Bathylagus milleri</i>	1
143	Blennioidei	1
143	Bathymasteridae	1

TABLE 2. (cont.)

Rank	Taxon	Occurrences
143	<i>Electrona rissoi</i>	1
143	<i>Seriola</i> spp.	1
143	Gobiesocidae	1
143	Hexagrammidae	1
143	<i>Hippoglossina</i> spp.	1
143	<i>Macroramphosus gracilis</i>	1
143	Carapidae	1
143	<i>Porichthys</i> spp.	1
143	<i>Hypsopsetta guttulata</i>	1
143	<i>Syacium ovale</i>	1
143	<i>Centrobranchus</i> spp.	1
143	<i>Paralichthys</i> spp.	1
143	Atherinidae	1

TABLE 3. Pooled numbers of fish larvae taken during CalCOFI cruises in 1960. Counts are adjusted for percent of sample sorted and standard haul factor (see text).

Rank	Taxon	Count
1	<i>Engraulis mordax</i>	291067
2	<i>Vinciguerria lucetia</i>	35005
3	<i>Merluccius productus</i>	33245
4	<i>Leuroglossus stilbius</i>	29732
5	<i>Triphoturus mexicanus</i>	22072
6	<i>Sebastes</i> spp.	15213
7	<i>Stenobranchius leucopsarus</i>	11901
8	<i>Sardinops sagax</i>	8551
9	<i>Trachurus symmetricus</i>	5215
10	<i>Diogenichthys laternatus</i>	3735
11	<i>Citharichthys fragilis</i>	3443
12	Disintegrated fish larva	2789
13	<i>Protomyctophum crockeri</i>	1977
14	<i>Cyclothone</i> spp.	1971
15	<i>Lampanyctus ritteri</i>	1950
16	Unidentified fish larva	1936
17	<i>Citharichthys</i> spp.	1867
18	Myctophidae	1765
19	<i>Tarletonbeania crenularis</i>	1723
20	<i>Bathylagus ochotensis</i>	1677
21	<i>Ceratoscopelus townsendi</i>	1611
22	<i>Bathylagus wesethi</i>	1270
23	<i>Scomber japonicus</i>	1179
24	<i>Lampanyctus</i> spp.	1170
25	<i>Citharichthys xanthostigma</i>	970
26	<i>Synodus</i> spp.	820
27	<i>Diaphus</i> spp.	792
28	<i>Ophidion scrippsae</i>	729
29	<i>Diogenichthys atlanticus</i>	701
30	Serranidae	683
31	Sciaenidae	659
32	<i>Prionotus</i> spp.	638
33	<i>Stomias atriventer</i>	621
34	<i>Melamphaes</i> spp.	617
35	<i>Symphurus</i> spp.	592
36	<i>Symbiolophorus californiensis</i>	591
37	<i>Etrumeus acuminatus</i>	586
38	Paralepididae	585
39	Ophidiiformes	522
40	Labridae	515
41	<i>Diogenichthys</i> spp.	485
42	<i>Citharichthys stigmaeus</i>	474
43	<i>Icichthys lockingtoni</i>	427
44	<i>Hygophum</i> spp.	400
45	<i>Chromis punctipinnis</i>	390
46	<i>Sphyræna argentea</i>	370

TABLE 3. (cont.)

Rank	Taxon	Count
47	Trichiuridae	365
48	<i>Notoscopelus resplendens</i>	331
49	<i>Lampadena urophaos</i>	287
50	Scombridae	283
51	<i>Hygophum reinhardtii</i>	278
52	<i>Idiacanthus anrostomus</i>	256
53	<i>Argentina sialis</i>	252
54	Gobiidae	237
55	Sternoptychidae	222
56	Scopelarchidae	219
57	<i>Seriola lalandi</i>	214
58	Haemulidae	210
58	<i>Chauliodus macouni</i>	210
60	<i>Hypsoblennius</i> spp.	208
61	<i>Gonichthys tenuiculus</i>	202
62	<i>Lyopsetta exilis</i>	195
63	<i>Parophrys vetulus</i>	188
63	<i>Paralichthys californicus</i>	188
65	<i>Hygophum atratum</i>	184
66	<i>Etropus</i> spp.	176
67	<i>Scorpaena</i> spp.	158
67	Pomacentridae	158
69	<i>Sebastolobus</i> spp.	156
70	<i>Myctophum nitidulum</i>	148
71	<i>Nansenia crassa</i>	140
72	<i>Hippoglossina stomata</i>	139
73	Chiasmodontidae	133
74	Carangidae	129
75	<i>Pleuronichthys verticalis</i>	126
76	Cottidae	106
77	<i>Bregmaceros</i> spp.	104
78	<i>Scopelogadus hispinosus</i>	101
79	Trachipteridae	95
80	<i>Tetragonurus cuvieri</i>	94
81	<i>Peprilus simillimus</i>	83
82	<i>Microstomus pacificus</i>	82
83	<i>Citharichthys sordidus</i>	74
83	Clinidae	74
85	Ceratioidei	71
86	<i>Nansenia candida</i>	70
87	<i>Diplophos taenia</i>	68
88	<i>Microstoma microstoma</i>	64
89	<i>Poromitra</i> spp.	63
90	Stomiiformes	56
91	<i>Xystreurys liolepis</i>	54
91	<i>Notolychnus valdiviae</i>	54
93	Anguilliformes	52
94	<i>Myctophum aurolaternatum</i>	49
95	<i>Scopelosaurus</i> spp.	48

TABLE 3. (cont.)

Rank	Taxon	Count
96	Pleuronectiformes	47
97	<i>Cololabis saira</i>	46
98	Cyclopteridae	43
99	Gempylidae	41
100	<i>Glyptocephalus zachirus</i>	39
101	Gerreidae	37
102	<i>Lampanyctus regalis</i>	36
103	Agonidae	34
104	<i>Bathophilus</i> spp.	31
105	<i>Caulolatilus princeps</i>	30
105	<i>Ichthyococcus</i> spp.	30
107	<i>Pleuronichthys</i> spp.	29
108	<i>Tactostoma macropus</i>	27
108	<i>Loweina rara</i>	27
110	<i>Zaniolepis</i> spp.	24
111	Apogonidae	23
112	<i>Oxylebius pictus</i>	22
112	<i>Chilara taylori</i>	22
112	<i>Coryphaena hippurus</i>	22
115	<i>Aristostomias scintillans</i>	20
115	<i>Brama</i> spp.	20
117	<i>Mugil</i> spp.	18
118	<i>Syngnathus</i> spp.	17
119	Osmeridae	15
119	<i>Scorpaenichthys marmoratus</i>	15
121	<i>Pleuronichthys coenosus</i>	13
122	<i>Medialuna californiensis</i>	12
122	Macrouridae	12
122	<i>Syacium ovale</i>	12
125	Exocoetidae	11
125	<i>Bathylagus pacificus</i>	11
125	<i>Bathylagus</i> spp.	11
128	<i>Girella nigricans</i>	10
129	Nomeidae	9
129	<i>Brosmophycis marginata</i>	9
129	<i>Scopeloberyx robustus</i>	9
132	<i>Pleuronichthys decurrens</i>	8
132	Evermannellidae	8
132	Myctophiformes	8
132	Hexagrammidae	8
132	<i>Icosteus aenigmaticus</i>	8
132	Gobiesocidae	8
132	<i>Physiculus</i> spp.	8
139	Scorpaenidae	7
139	Uranoscopidae	7
141	<i>Pleuronichthys ritteri</i>	6
142	<i>Sarda chiliensis</i>	5
142	<i>Bothus</i> spp.	5
142	<i>Psetticthys melanostictus</i>	5

TABLE 3. (cont.)

Rank	Taxon	Count
142	<i>Hygophum proximum</i>	5
146	<i>Seriola</i> spp.	3
146	<i>Macroramphosus gracilis</i>	3
146	Carapidae	3
146	Atherinidae	3
146	<i>Electrona rissoi</i>	3
151	<i>Bathylagus milleri</i>	2
151	Bathymasteridae	2
151	<i>Centrobranchus</i> spp.	2
151	<i>Paralichthys</i> spp.	2
151	<i>Hypsopsetta guttulata</i>	2
151	<i>Hippoglossina</i> spp.	2
151	<i>Porichthys</i> spp.	2
151	Blennioidei	2
	Total	503646



TABLE 4. Numbers of fish larvae taken on stations occupied during CalCOFI cruises in 1960. Counts are adjusted for percent of sample sorted and standard haul factor (see text). Average number is given for stations occupied more than once during a calendar month. Unoccupied stations are indicated by a dash.

Anguilliformes												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	70.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	55.0	0.0	0.0	-	0.0	3.0	0.0	-	-	0.0	-	-
120.0	70.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	0.0	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	5.0	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.5	-	-
130.0	80.0	-	-	-	-	-	-	0.0	-	2.8	-	-
133.0	45.0	0.0	3.1	0.0	-	-	-	0.0	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	8.0	-	-
137.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.6	-	-
143.0	55.0	0.0	-	0.0	-	-	-	0.0	-	-	-	-
143.0	60.0	-	-	0.0	-	-	-	-	-	-	-	-
153.0	16.0	0.0	-	0.0	-	-	-	-	-	-	-	-
153.0	25.0	0.0	-	0.0	-	-	-	-	-	-	-	-
153.0	60.0	0.0	-	0.0	-	-	-	-	-	-	-	-
157.0	15.0	0.0	-	-	-	-	-	-	-	-	-	-
157.0	45.0	-	-	-	-	-	-	-	-	-	-	-

<i>Etrumeus acuminatus</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	45.0	0.0	0.0	0.0	0.0	0.0	6.1	-	-	-	-	-
107.0	50.0	0.0	0.0	0.0	0.0	0.0	17.4	-	-	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.2	0.0	-	-
118.0	39.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	-	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	2.7	-	-	-
119.0	33.0	0.0	0.0	-	-	-	-	1.0	-	0.0	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	59.5	16.4	4.9	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	-	-
120.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	2.0	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	-	5.8	0.0	0.0	-	-
121.0	35.0	-	-	-	-	-	-	-	5.1	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.2	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-
130.0	20.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	11.6	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	80.8	-	-	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	20.9	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	-	28.9	-	37.1	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	7.7	-	-
140.0	30.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-	-
147.0	20.0	-	-	-	-	-	-	5.7	-	-	-	-

TABLE 4. (cont.)

*Etrumeus acuminatus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
147.0	25.0	-	-	0.0	-	-	-	-	-	-	-	-
<i>Sardinops sagax</i>												
80.0	53.0	0.0	-	0.0	-	2.7	0.0	-	0.0	-	-	-
80.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	2.8	-	-
82.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
83.0	40.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
83.0	43.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	-	0.0	-	-
83.0	51.0	44.5	12.7	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	35.0	5.9	8.7	0.0	11.9	0.0	0.0	0.0	-	0.0	-	-
87.0	40.0	29.2	23.8	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	45.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	-	0.0	-	-
87.0	70.0	0.0	0.0	0.0	8.7	56.3	0.0	0.0	-	2.0	-	-
90.0	28.0	0.0	0.0	0.0	-	6.2	8.8	0.0	-	0.0	-	-
90.0	32.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	37.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	45.0	5.3	1.8	0.0	24.9	-	0.0	0.0	-	-	-	-
90.0	50.0	0.0	0.0	2.8	0.0	0.0	-	0.0	-	-	-	-
90.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	28.0	-	15.4	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	30.0	0.0	3.8	-	0.0	0.0	2.3	51.4	-	0.0	-	-
93.0	35.0	2.9	0.0	-	0.0	25.6	0.0	0.0	-	0.0	-	-
93.0	40.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	50.0	0.0	0.0	-	264.1	0.0	0.0	0.0	-	0.0	-	-
93.0	55.0	2.7	0.0	-	20.2	0.0	0.0	0.0	-	0.0	-	-
93.0	65.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	30.0	8.0	5.8	0.0	3.5	0.0	4.9	25.4	-	0.0	-	-
97.0	32.0	10.0	2.4	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
100.0	29.0	0.0	0.0	0.0	0.0	2.9	0.0	2.7	-	0.0	-	-
100.0	30.0	-	2.9	0.0	-	0.0	-	8.4	-	0.0	-	-
100.0	40.0	0.0	1.6	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0	80.0	0.0	0.0	0.0	-	0.0	5.2	0.0	0.0	2.9	-	-
103.0	30.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	50.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-
103.0	55.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-
107.0	32.0	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	35.0	0.0	3.1	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	18.4	0.0	0.0	0.0	-	-
107.0	45.0	0.0	0.0	0.0	0.0	0.0	11.6	0.0	0.0	0.0	-	-
107.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	35.0	0.0	24.1	0.0	0.0	0.0	0.0	1.3	0.0	0.0	-	-
110.0	60.0	0.0	2.7	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-

TABLE 4. (cont.)

<i>Sardinops sagax</i> (cont.)												
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	2.0	0.0	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	50.0	0.0	0.0	0.0	0.0	0.0	6.1	-	-	2.9	-	-
113.0	55.0	0.0	0.0	0.0	0.0	0.0	157.5	-	-	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.5	3.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	0.0	-	-
117.0	45.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	-	-	-
118.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	2.4	-	-	-
119.0	33.0	-	0.0	0.0	28.2	-	-	27.2	2.3	189.8	-	-
119.0	35.0	-	0.0	0.0	0.0	0.0	19.9	1676.5	39.9	141.5	-	-
120.0	25.0	0.0	0.0	4.2	0.0	0.0	0.0	4.7	4.7	-	-	-
120.0	27.5	-	0.0	0.0	5.4	0.0	116.6	191.7	0.0	11.2	-	-
120.0	30.0	0.0	0.0	1.5	0.0	8.6	32.4	0.0	0.0	129.7	-	-
120.0	35.0	0.0	0.0	0.0	0.0	-	-	-	2.9	-	-	-
120.0	37.5	-	0.0	17.5	0.0	9.9	5.8	6.0	0.0	76.0	-	-
120.0	40.0	57.9	4.6	0.0	0.0	0.0	-	36.1	0.0	26.8	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	-	6.2	0.0	3.1	-	-
120.0	50.0	0.0	0.0	0.0	0.0	-	-	-	3.4	-	-	-
121.0	27.5	-	-	-	-	-	-	-	206.9	-	-	-
121.0	35.0	-	-	-	-	-	-	-	-	-	-	-
123.0	37.0	-	0.0	0.0	7.1	0.0	0.0	0.0	-	50.2	-	-
127.0	34.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	-	3.1	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	-	0.0	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	53.5	-	-	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	18.4	-	-	-	-
133.0	40.0	18.1	0.0	0.0	0.0	0.0	-	0.0	-	-	-	-
137.0	23.0	0.0	0.0	5.7	0.0	0.0	-	0.0	-	0.0	-	-
137.0	30.0	1165.6	2.5	0.0	4.5	0.0	-	147.8	-	0.0	-	-
137.0	40.0	436.8	0.0	0.0	0.0	0.0	-	18.3	-	0.0	-	-
140.0	30.0	5.4	-	0.0	-	-	-	0.0	-	-	-	-
140.0	45.0	2.7	-	0.0	-	-	-	-	-	-	-	-
143.0	26.0	377.0	-	0.0	-	-	-	14.9	-	-	-	-
143.0	30.0	948.0	-	0.0	-	-	-	-	-	-	-	-
143.0	35.0	230.1	-	0.0	-	-	-	-	-	-	-	-
147.0	20.0	92.5	-	0.0	-	-	-	-	-	-	-	-
150.0	35.0	5.2	-	0.0	-	-	-	-	-	-	-	-
150.0	40.0	2.9	-	0.0	-	-	-	-	-	-	-	-
153.0	20.0	6.0	-	0.0	-	-	-	-	-	-	-	-

<i>Engraulis mordax</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	52.0	-	-	-	-	-	2.3	-	0.0	-	-	-

TABLE 4. (cont.)

*Engraulis mordax* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	55.0	0.0	-	0.0	-	-	2.7	-	0.0	-	-	-
60.0	60.0	0.0	-	0.0	-	-	93.9	-	0.0	-	-	-
60.0	70.0	0.0	-	0.0	-	-	7.7	-	0.0	-	-	-
63.0	52.0	28.2	-	0.0	-	-	-	-	0.0	-	-	-
63.0	70.0	0.0	-	5.1	-	-	-	-	-	-	-	-
63.0	80.0	0.0	-	77.2	-	-	-	-	-	-	-	-
67.0	70.0	0.0	-	145.9	-	-	-	-	-	-	-	-
67.0	80.0	0.0	-	4.3	-	-	-	-	-	-	-	-
67.0	90.0	0.0	-	-	-	-	-	-	-	-	-	-
70.0	51.0	2.7	-	8.4	-	-	-	-	-	-	-	-
70.0	52.0	0.0	-	-	-	-	1.9	-	0.0	-	-	-
70.0	53.0	2.6	-	0.0	-	-	0.0	-	0.0	-	-	-
70.0	55.0	11.0	-	-	-	-	14.0	-	0.0	-	-	-
70.0	60.0	0.0	-	-	-	-	55.7	-	0.0	-	-	-
70.0	70.0	0.0	-	16.0	-	-	0.0	-	0.0	-	-	-
70.0	80.0	0.0	-	22.9	-	-	-	-	-	-	-	-
70.0	80.0	0.0	-	17.5	-	26.2	-	-	-	-	-	-
73.0	51.0	0.0	5.2	0.0	0.0	0.0	-	-	0.0	-	-	-
73.0	55.0	0.0	1.7	0.0	0.0	85.3	-	-	0.0	-	-	-
73.0	60.0	0.0	0.0	28.2	0.0	61.2	-	-	0.0	-	-	-
73.0	70.0	0.0	0.0	77.5	-	-	-	-	-	-	-	-
73.0	80.0	0.0	8.0	13.9	-	-	-	-	-	-	-	-
73.0	90.0	0.0	0.0	-	-	12.8	-	-	-	-	-	-
77.0	50.0	0.0	0.0	5.2	3.2	-	-	-	-	2.7	-	-
77.0	51.0	0.0	0.0	-	-	-	-	-	-	0.0	-	-
77.0	53.0	1.6	0.0	-	-	-	-	-	-	-	-	-
77.0	55.0	15.1	0.0	82.2	33.8	0.0	-	-	-	0.0	-	-
77.0	57.0	13.5	0.0	-	-	-	-	-	-	-	-	-
77.0	60.0	0.0	708.6	-	-	104.3	-	-	-	0.0	-	-
77.0	65.0	0.0	0.0	278.8	-	291.1	-	-	-	-	-	-
77.0	70.0	0.0	0.0	11.8	-	-	-	-	-	-	-	-
77.0	80.0	0.0	0.0	67.6	-	-	-	-	-	-	-	-
77.0	90.0	0.0	0.0	2.7	-	-	-	-	-	-	-	-
80.0	52.0	0.0	13.0	189.2	-	70.2	22.5	-	4.9	-	-	-
80.0	53.0	33.4	0.0	269.1	-	-	-	-	-	-	-	-
80.0	55.0	8.4	0.0	27.1	-	42.1	3.0	-	4.6	-	-	-
80.0	57.0	2.1	0.0	132.4	-	-	-	-	-	-	-	-
80.0	60.0	0.0	0.0	598.4	-	337.0	0.0	-	0.0	-	-	-
80.0	65.0	0.0	4.5	567.0	-	458.2	0.0	-	0.0	-	-	-
80.0	70.0	0.0	0.0	354.5	-	16.9	0.0	-	0.0	-	-	-
80.0	75.0	0.0	0.0	21.2	-	0.0	-	-	-	-	-	-
80.0	80.0	0.0	37.0	370.6	-	0.0	0.0	-	0.0	-	-	-
80.0	85.0	0.0	0.0	52.2	-	0.0	-	-	-	-	-	-
80.0	90.0	0.0	0.0	0.0	-	9.0	0.0	-	0.0	-	-	-
82.0	47.0	348.9	2.9	371.8	0.0	30.9	8.7	-	0.0	11.2	-	-
83.0	40.0	77.2	0.0	344.3	29.6	9.8	8.0	8.6	-	4.8	-	-
83.0	43.0	195.6	0.0	694.5	729.1	19.1	0.0	7.3	-	43.7	-	-
83.0	51.0	79.5	149.9	515.6	92.7	42.2	2.3	0.0	-	5.2	-	-

TABLE 4. (cont.)

		<i>Engraulis mordax</i> (cont.)											
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	
83-0	55.0	2.6	0.0	14.9	127.0	5.4	5.5	-	-	-	-	-	
83-0	60.0	0.0	53.1	159.8	527.0	180.8	27.3	-	-	-	-	0.0	
83-0	65.0	-	-	137.9	-	212.9	21.5	-	-	-	-	0.0	
83-0	70.0	2.0	44.8	463.1	-	966.0	16.9	-	-	-	-	-	
83-0	75.0	0.0	54.4	1125.2	-	38.6	-	-	-	-	-	-	
83-0	80.0	0.0	0.0	0.0	-	5.3	0.0	-	-	-	-	-	
83-0	85.0	175.8	472.7	811.0	393.4	306.0	2.8	41.8	-	-	-	5.9	
87-0	35.0	487.1	747.5	476.6	101.5	51.7	2.7	39.3	-	-	-	5.5	
87-0	40.0	32.1	1661.6	332.8	709.8	39.8	0.0	5.0	-	-	-	21.5	
87-0	45.0	5.7	20.4	205.6	318.8	2.7	12.2	0.0	-	-	-	3.0	
87-0	50.0	0.6	0.0	280.8	277.0	2.7	13.0	0.0	-	-	-	0.0	
87-0	55.0	21.6	0.0	1578.7	329.7	8.5	105.8	-	-	-	-	2.8	
87-0	60.0	16.0	0.0	2272.4	1096.2	30.5	19.9	-	-	-	-	-	
87-0	65.0	0.0	12.2	1184.5	271.5	11.2	28.7	-	-	-	-	-	
87-0	70.0	0.0	0.0	196.0	-	611.0	-	-	-	-	-	-	
87-0	75.0	0.0	0.0	6.2	-	-	0.0	-	-	-	-	-	
87-0	80.0	3.8	3.0	2.1	-	-	-	-	-	-	-	-	
87-0	85.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-	
87-0	90.0	28.0	19.6	344.9	418.1	81.5	33.3	13.0	-	-	-	7.8	
90-0	32.0	0.0	36.4	32.9	94.3	103.0	244.0	28.7	-	-	-	8.8	
90-0	37.0	62.5	72.7	953.7	160.1	0.0	30.1	24.8	-	-	-	5.6	
90-0	45.0	0.0	310.1	1653.6	411.4	-	0.0	17.6	-	-	-	2.8	
90-0	50.0	9.8	95.0	407.6	136.9	0.0	-	-	-	-	-	-	
90-0	53.0	-	-	-	-	-	0.0	2.7	-	-	-	-	
90-0	55.0	12.2	-	630.2	197.6	0.0	0.0	2.7	-	-	-	0.0	
90-0	60.0	29.2	2.9	1998.6	1197.0	60.7	6.0	0.0	-	-	-	0.0	
90-0	65.0	0.0	-	3524.3	483.0	6.3	3.0	0.0	-	-	-	0.0	
90-0	70.0	6.7	0.0	2.7	75.6	22.8	0.0	0.0	-	-	-	0.0	
90-0	75.0	0.0	8.7	25.4	151.8	552.7	11.3	0.0	-	-	-	0.0	
90-0	80.0	5.9	0.0	121.1	98.9	18.4	0.0	0.0	-	-	-	0.0	
90-0	85.0	3.5	0.0	20.0	165.4	2.7	0.0	0.0	-	-	-	0.0	
90-0	90.0	0.0	9.2	32.9	8.4	0.0	0.0	0.0	-	-	-	0.0	
90-0	95.0	5.4	0.0	20.9	0.0	0.0	0.0	0.0	-	-	-	0.0	
90-0	100.0	5.4	0.0	1096.9	25.7	20.9	306.5	0.0	-	-	-	0.0	
93-0	28.0	5.5	1096.9	794.2	47.0	91.2	179.3	0.0	-	-	-	0.0	
93-0	30.0	829.4	1991.4	-	289.2	52.8	89.6	35.3	-	-	-	0.0	
93-0	35.0	0.0	438.0	-	2321.1	0.0	72.5	0.0	-	-	-	0.0	
93-0	40.0	60.3	210.2	-	299.0	31.2	0.0	0.0	-	-	-	0.0	
93-0	45.0	0.0	494.3	-	100.8	66.7	0.0	0.0	-	-	-	0.0	
93-0	50.0	0.0	742.5	-	472.7	20.7	0.0	0.0	-	-	-	0.0	
93-0	55.0	3.8	143.6	680.7	777.4	16.8	0.0	0.0	-	-	-	0.0	
93-0	60.0	0.0	0.0	352.8	1309.6	17.7	2.6	0.0	-	-	-	0.0	
93-0	65.0	0.0	65.3	-	98.6	0.0	0.0	0.0	-	-	-	0.0	
93-0	70.0	0.0	5.6	-	266.8	0.0	0.0	0.0	-	-	-	0.0	
93-0	75.0	0.0	35.9	-	341.0	2.7	0.0	0.0	-	-	-	0.0	
93-0	80.0	0.0	0.0	-	-	-	-	-	-	-	-	-	

TABLE 4. (cont.)

## Engraulis mordax (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	ADG.	SEP.	OCT.	NOV.	DEC.
93.0	85.0		27.4		39.9	13.6	0.0	0.0		0.0		
93.0	90.0	0.0	0.0		17.3	0.0	0.0	0.0		0.0		
93.0	95.0	0.0	0.0		24.2	0.0	0.0	0.0		0.0		
93.0	100.0	4.9	0.0		3.0	5.6	0.0	0.0		0.0		
5.3	30.0	224.3	243.4	55.6	12.3	0.0	73.5	37.0		0.0		
0.0	473.1	668.8	826.1	826.3	12.3	326.7	52.2	24.2		0.0		
0.0	223.3	143.3	426.3	426.3	5.9	75.1	26.7	2.5		3.1		
97.0	40.0	911.9	705.9		9.3	88.1	30.1	18.2		0.0		
97.0	45.0	372.4		719.4	63.4	54.6	2.9			0.0		
97.0	50.0	89.3	1059.5	1570.0	100.3	68.6	19.9			0.0		
97.0	55.0	349.6	582.5	1341.9	2595.3	19.6	3.9			0.0		
97.0	60.0		10.3	11.9	14.8	2.7	3.0			0.0		
97.0	70.0		0.0	8.9		0.0	0.0			0.0		
97.0	75.0		0.0	3.0		0.0	0.0			0.0		
97.0	80.0		0.0	0.0		0.0	0.0			0.0		
97.0	85.0		0.0	0.0		110.4	0.0			0.0		
97.0	90.0		0.0			2.6				0.0		
100.0	29.0		613.1	647.3		0.0		5.3		2.7		
100.0	30.0		633.7	725.0		8.1		1.6		0.0		
100.0	35.0		2012.7	2348.5		0.0		51.5		0.0		
100.0	40.0		698.4	435.6		2.8		5.6		0.0		
100.0	45.0		469.0	158.6		24.2		31.1		0.0		
100.0	50.0		194.5	328.8		65.0		0.0		0.0		
100.0	55.0		119.9	324.3		3.0		0.0		0.0		
100.0	60.0		0.0	66.7		3.0		0.0		0.0		
100.0	65.0		0.0	57.4		0.0		0.0		0.0		
100.0	70.0		0.0	2.3		0.0		0.0		0.0		
100.0	75.0		0.0	25.8		0.0		0.0		0.0		
100.0	80.0		0.0	2.2		0.0		0.0		0.0		
848.2	327.0		1025.7	262.8			52.0	0.0		0.0		
103.0	30.0		1687.5	552.1	62.5		0.0	7.7		0.0		
103.0	35.0		1643.2	552.1	112.5		0.0	0.0		0.0		
103.0	40.0		1495.4	506.6	391.9	3.0	2.7	0.0		0.0		
103.0	45.0		822.9	495.7	269.7	12.0	0.0	0.0		0.0		
103.0	50.0		1.5	154.8	182.0	5.4	0.0	0.0		0.0		
103.0	55.0		0.0	54.9	207.9	0.0	0.0	0.0		0.0		
103.0	60.0		13.5	93.2	529.2	0.0	0.0	0.0		0.0		
103.0	65.0			8.7	62.3	0.0	0.0	0.0		0.0		
556.4	890.2		3404.4	384.1		50.6	14.5	40.7		0.0		
107.0	32.0		2623.4	1095.2	70.5	17.6	11.7	0.0		0.0		
107.0	35.0		1135.4	182.0	64.4	50.4	3.1	0.0		0.0		
107.0	40.0		534.6	182.0	0.0	49.8	30.7	0.0		0.0		
107.0	45.0		2.5	356.4	25.3	0.0	14.5	0.0		0.0		
107.0	50.0		8.9	21.4	10.7	2.3	0.0	0.0		0.0		
107.0	55.0		0.0	133.6	14.5	18.5	0.0	0.0		0.0		
107.0	60.0		0.0	11.8	45.8	0.0	0.0	0.0		0.0		
107.0	65.0			40.1	17.9	0.0	0.0	0.0		0.0		
107.0	70.0		0.0	28.1	23.3	0.0	0.0	0.0		0.0		

TABLE 4. (cont.)

<i>Engraulis mordax</i> (cont.)												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	75.0	-	-	0.0	2.9	0.0	-	-	-	-	-	-
107.0	80.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-	-	-	-
107.0	85.0	-	-	2.4	-	-	-	-	-	-	-	-
110.0	33.0	280.4	250.2	647.8	82.2	7.2	-	19.5	8.0	2.4	-	-
110.0	35.0	1108.8	1140.8	656.0	305.6	30.4	-	10.5	0.0	5.4	-	-
110.0	40.0	848.2	747.3	463.0	94.4	0.0	-	8.5	0.0	0.0	-	-
110.0	45.0	209.8	5.5	39.0	1085.4	3.0	-	0.0	0.0	0.0	-	-
110.0	50.0	497.6	2.1	6.1	904.9	0.0	-	0.0	0.0	0.0	-	-
110.0	55.0	0.0	0.0	17.1	38.0	0.0	-	0.0	0.0	0.0	-	-
110.0	60.0	0.0	23.3	27.4	15.5	0.0	-	0.0	0.0	0.0	-	-
110.0	65.0	-	-	5.3	5.6	0.0	-	0.0	0.0	0.0	-	-
110.0	70.0	0.0	0.0	15.8	0.0	0.0	-	5.6	0.0	0.0	-	-
110.0	75.0	-	-	2.6	0.0	0.0	-	-	-	-	-	-
110.0	80.0	0.0	0.0	30.6	0.0	0.0	-	0.0	-	0.0	-	-
110.0	85.0	-	-	8.6	2.8	-	-	-	-	-	-	-
110.0	90.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-
113.0	30.0	0.0	0.0	16.2	0.0	0.0	6.9	0.0	0.0	0.0	-	-
113.0	35.0	108.2	781.8	4931.9	66.6	2.7	2.7	14.3	7.6	7.8	-	-
113.0	40.0	73.4	1134.2	1226.7	1705.1	0.0	5.7	16.4	5.6	3.1	-	-
113.0	45.0	67.7	405.8	249.5	2302.0	0.0	0.0	111.1	0.0	2.9	-	-
113.0	50.0	13.9	18.7	48.0	177.3	0.0	21.5	-	-	-	-	-
113.0	55.0	2.8	23.5	165.8	0.0	0.0	75.6	-	-	-	-	-
113.0	60.0	0.0	0.0	37.7	53.0	0.0	0.0	-	-	-	-	-
113.0	65.0	-	-	-	86.5	0.0	0.0	-	-	-	-	-
113.0	70.0	0.0	0.0	3.0	24.9	0.0	0.0	-	-	-	-	-
113.0	75.0	-	-	6.0	0.0	0.0	0.0	-	-	-	-	-
113.0	80.0	0.0	0.0	128.1	0.0	0.0	0.0	-	-	-	-	-
113.0	85.0	-	-	12.3	-	-	-	-	14.0	-	-	-
115.0	27.0	-	-	-	-	-	-	-	2.8	-	-	-
115.0	30.0	-	-	-	-	-	-	3.2	0.0	7.9	-	-
115.0	35.0	-	-	-	-	-	-	-	5.4	-	-	-
115.0	40.0	93.5	1.8	138.2	21.8	0.0	0.0	11.1	20.0	29.6	-	-
117.0	26.0	37.8	561.0	1483.6	71.3	0.0	20.2	0.0	69.7	27.0	-	-
117.0	30.0	125.1	315.8	75.0	5054.5	10.4	0.0	0.0	0.0	3.0	-	-
117.0	35.0	193.7	278.5	996.9	14.5	0.0	16.6	0.0	0.0	0.0	-	-
117.0	40.0	320.3	529.6	6621.8	19.4	56.3	0.0	-	2.6	-	-	-
117.0	45.0	377.3	180.1	4499.7	6.4	29.6	3.1	-	-	-	-	-
117.0	50.0	11.2	394.4	3386.0	2.0	0.0	0.0	-	-	-	-	-
117.0	55.0	0.0	435.1	756.9	27.0	0.0	0.0	-	-	-	-	-
117.0	60.0	-	-	254.1	2.9	0.0	0.0	-	-	-	-	-
117.0	65.0	0.0	0.0	861.9	0.0	0.0	0.0	-	-	-	-	-
117.0	70.0	-	-	28.0	0.0	0.0	0.0	-	-	-	-	-
117.0	75.0	-	-	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	80.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-	-	-	-
117.0	85.0	-	-	2.1	0.0	0.0	-	-	-	-	-	-
117.0	90.0	2.6	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

## Engraulis mordax (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
118.0	39.0	469.7	174.7	368.4	2275.2	11.1	33.9	85.2	0.0	3.1		
118.5	25.0								2.7			
118.5	27.5								17.4			
118.5	30.0								24.1			
119.0	25.0								2.5			
119.0	27.5								8.3			
119.0	30.0								4.9			
119.0	32.5								5.3			
119.0	33.0	313.3	47.1	327.5	92.1	48.3			31.9	23.4		
120.0	25.0	69.3	12.6	664.0	76.4	51.0	35.4	57.3	101.5	2.3	0.0	
120.0	30.0	233.4	55.6	181.3	41.8	29.6	501.2	47.7	25.6	0.0	2.8	
120.0	35.0	527.8	323.2	62.9	11.8	2.4	821.8	9.0	0.0	118.4		
120.0	40.0	320.1	1408.2	817.7	21.3	4.3	66.3	35.0	0.0	2.0		
120.0	45.0		357.2	489.7	192.5	0.0	43.4	7.3	0.0	0.0		
120.0	50.0		177.7	1990.2	160.4	0.0	7.2	9.3	0.0	0.0		
120.0	55.0		323.8	2556.4	47.3	0.0	0.0	0.0	0.0	0.0		
120.0	60.0		64.1	4049.8	71.8	516.1	0.0	0.0	0.0	0.0		
120.0	65.0				38.1	170.2	0.0	0.0	0.0	5.6		
120.0	70.0		7.7	1197.8	9.0	5.6	0.0	0.0	0.0	0.0		
120.0	75.0				0.0	5.3	0.0	0.0	0.0	3.0		
120.0	80.0		0.0	42.5	0.0	0.0	0.0	0.0	0.0	0.0		
120.0	90.0		0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0		
121.0	30.0								3.9			
123.0	35.0								1.7			
123.0	37.0		370.6	153.2	1.7	9.5	0.0	2.5	0.0	0.0		
123.0	42.0		460.5	1042.3	283.0	45.2	0.0	8.8	0.0	0.0		
123.0	45.0		1058.2	1748.5	131.3	316.8	0.0	5.4	0.0	3.1		
123.0	50.0		847.6	676.1	38.2	617.7	0.0	0.0	0.0	0.0		
123.0	55.0		28.6	375.0	5.4	463.4	0.0	3.0	0.0	0.0		
123.0	60.0		180.2	1202.7	0.0	33.5	0.0	0.0	0.0	0.0		
123.0	65.0				7.1							
123.0	70.0		104.4		0.0							
123.0	80.0		50.4		0.0							
127.0	34.0		437.7	2302.5	78.5	0.0	7.7	2.4	1.7	0.0		
127.0	40.0		44.5	2390.6	99.2	24.8	7.7	13.9	0.0	0.0		
127.0	45.0		260.6	322.3	11.7	8.0	2.7	2.8	0.0	0.0		
127.0	50.0		81.9	195.3	8.3	2.6	0.0	0.0	0.0	0.0		
127.0	55.0		1.4	23.6	0.0	0.0	0.0	0.0	0.0	0.0		
127.0	60.0		0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
130.0	30.0		375.6	638.4	14.5	0.0	2.7		0.0	0.0		
130.0	35.0	1266.9	1167.6	1981.7	0.0	37.3	2.8	17.0	0.0	0.0		
130.0	40.0		1654.2	99.6	13.3	0.0	0.0	2.5	0.0	0.0		
130.0	45.0		16.8	88.4	45.4	14.3	0.0	0.0	0.0	0.0		
130.0	50.0		10.1	140.3	4.8	0.0	0.0	5.7	0.0	0.0		
130.0	55.0		2.8	233.8	330.4	0.0	0.0	0.0	0.0	0.0		
130.0	60.0		0.0	67.8	31.3	0.0	0.0	0.0	0.0	0.0		



TABLE 4. (cont.)

*Engraulis mordax* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	25.0	1951.3	614.1	158.6	239.0	28.4	199.3	13.9				
133.0	30.0	1361.3	3684.2	72.4	80.6	47.9	260.4	66.2				
133.0	35.0	1089.0	351.0	226.8	288.4	0.0	63.8	4.9				
133.0	40.0	307.4	2062.1	616.3	0.0	3.2	161.2	0.0				
133.0	45.0	427.8	455.0	279.5	2.8			0.0				
133.0	50.0	16.1	54.5	532.4	5.6			0.0				
133.0	55.0	0.0			5.8			0.0				
133.0	60.0	0.0			57.4			0.0				
133.0	65.0	72.8	3889.9	242.7	245.3	2.6	28.4	0.0				
137.0	23.0	2159.5	484.9	1262.4	28.7	104.7	422.2	527.2	39.8			
137.0	30.0	9578.8	800.8	303.5	8.9	87.1	960.5	5.2	0.0			
137.0	35.0	1560.0	21.1	51.8	0.0	29.6	64.9	0.0	0.0			
137.0	40.0	137.0	92.8	19.1	2.6	2.7	15.3	0.0	0.0			
137.0	45.0	8.3	58.8	0.0	0.0			0.0	0.0			
137.0	50.0	0.0	0.0	0.0	5.3			0.0	0.0			
137.0	55.0	0.0			5.5			0.0	0.0			
137.0	60.0	0.0			7.7			0.0	0.0			
140.0	30.0	467.8			79.2			1.4				
140.0	35.0	14.7			2.8							
140.0	40.0	105.7			0.0							
140.0	45.0	5.3			0.0							
143.0	26.0	293.8			0.0			0.0				
143.0	30.0	490.5			0.0							
143.0	35.0	209.4			0.0							
143.0	40.0	528.7			0.0							
143.0	45.0	165.0			0.0							
143.0	50.0	5.8			0.0							
143.0	55.0	0.0			2.8							
143.0	60.0	2.9			5.4							
147.0	20.0	127.8			0.0							
147.0	25.0	867.2			0.0							
147.0	30.0	2.7			2.8							
147.0	35.0	0.0			5.9							
150.0	35.0	18.5			0.0							
150.0	30.0	2.4			0.0							
150.0	35.0	5.2			0.0							
150.0	50.0	0.0			3.0							
153.0	20.0	12.1			0.0							
153.0	60.0	0.0			2.9							

*Argentina sialis*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
82.0	47.0	0.0	0.0	7.9	0.0	0.0	0.0	0.0		0.0		
83.0	40.0	0.0	0.0	0.0	1.1	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.
83.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
83.0	51.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	35.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	32.0	0.0	0.0	2.6	-	0.0	0.0	0.0	-	0.0	-	-
93.0	28.0	2.7	2.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	30.0	0.0	1.2	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	35.0	0.0	9.1	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	40.0	0.0	2.8	-	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	35.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	50.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	-	0.0	-	-
100.0	29.0	0.0	1.2	5.6	-	0.0	0.0	0.0	-	0.0	-	-
100.0	30.0	0.0	2.9	7.5	-	0.0	0.0	0.0	-	0.0	-	-
107.0	32.0	0.0	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	35.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.8	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-	-
110.0	35.0	0.0	9.0	0.0	0.0	0.0	-	0.0	0.0	2.5	-	-
110.0	40.0	0.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	35.0	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	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	26.0	0.0	0.0	5.2	0.0	0.0	0.0	1.0	0.0	0.0	-	-
117.0	30.0	0.0	5.4	0.0	0.0	7.9	0.0	0.0	0.0	0.0	-	-
117.0	35.0	0.0	0.0	3.7	2.9	0.0	0.0	0.0	0.0	3.0	-	-
117.0	40.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	-	-
117.0	45.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
118.0	35.0	0.0	17.9	0.0	2.8	0.0	0.0	0.0	-	3.1	-	-
118.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	-	-
120.0	60.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	42.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
123.0	60.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	40.0	0.0	2.7	2.5	2.1	0.0	0.0	0.0	-	0.0	-	-
133.0	30.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
137.0	30.0	0.0	2.8	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.
60.0	80.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
70.0	100.0	-	-	3.0	-	-	0.0	-	0.0	-	-	-
80.0	53.0	0.0	0.0	-	-	-	-	-	0.0	-	-	-
80.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-
83.0	55.0	0.0	0.0	0.0	2.5	0.0	0.0	-	-	-	-	-
87.0	70.0	0.0	0.0	0.0	5.6	0.0	0.0	-	-	-	-	-
90.0	65.0	-	-	0.0	3.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

*Microstoma microstoma* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	80.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	28.0	0.0	1.0	-	0.0	0.0	2.3	0.0	-	0.0	-	-
93.0	50.0	0.0	0.0	-	0.0	0.0	2.8	0.0	-	0.0	-	-
93.0	70.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	75.0	-	0.0	-	0.0	2.7	-	-	-	-	-	-
93.0	90.0	0.0	0.0	-	0.0	0.0	2.9	0.0	-	0.0	-	-
97.0	55.0	0.0	3.0	0.0	0.0	0.0	0.0	-	-	-	-	-
97.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
97.0	80.0	0.0	0.0	-	-	2.8	-	-	-	-	-	-
97.0	85.0	-	0.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-
103.0	35.0	0.0	3.0	0.0	0.0	-	0.0	0.0	-	-	-	-
103.0	55.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	-	-	-
107.0	50.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-	-	-	-
107.0	55.0	0.0	0.0	0.0	0.0	3.1	0.0	-	-	-	-	-
110.0	40.0	0.0	0.0	0.0	0.0	3.1	-	0.0	0.0	0.0	-	-

*Nansenia candida*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
43.0	90.0	-	-	4.7	-	-	-	-	-	-	-	-
47.0	60.0	-	-	2.2	-	-	-	-	-	-	-	-
47.0	90.0	-	-	5.0	-	-	-	-	-	-	-	-
50.0	80.0	0.0	-	2.5	-	-	-	-	-	-	-	-
50.0	90.0	0.0	-	2.4	-	-	-	-	-	-	-	-
53.0	55.0	0.0	-	6.2	-	-	-	-	-	-	-	-
53.0	60.0	0.0	-	3.2	-	-	-	-	-	-	-	-
53.0	70.0	0.0	-	2.5	-	-	0.0	-	0.0	-	-	-
60.0	70.0	0.0	-	3.3	-	-	-	-	0.0	-	-	-
67.0	90.0	-	-	4.3	-	-	-	-	0.0	-	-	-
70.0	90.0	0.0	-	5.4	-	0.0	0.0	-	0.0	-	-	-
77.0	70.0	0.0	2.9	0.0	0.0	0.0	-	-	-	-	-	-
83.0	75.0	-	-	2.7	-	0.0	-	-	-	-	-	-
83.0	80.0	0.0	0.0	0.0	-	0.0	2.7	-	-	-	-	-
87.0	75.0	-	-	2.8	-	0.0	-	-	-	-	-	-
90.0	80.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	0.0	-	-
90.0	90.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	85.0	-	6.1	-	0.0	0.0	-	-	-	-	-	-
93.0	95.0	-	0.0	-	3.0	0.0	-	-	-	-	-	-
113.0	45.0	0.0	0.0	2.6	0.0	0.0	0.0	-	-	-	-	-

*Nansenia crassa*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	45.0	0.0	0.0	-	0.0	2.8	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

<i>Nansenia crassa</i> (cont.)												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	55.0	2.6	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	55.0	1.5	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	60.0	2.3	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	40.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-	-
113.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	40.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	50.0	0.0	0.0	0.0	3.2	0.0	0.0	-	-	-	-	-
117.0	55.0	0.0	4.2	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	-	-
120.0	50.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	55.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-
120.0	60.0	0.0	2.9	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-
120.0	65.0	-	-	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	70.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	42.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	45.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	50.0	1.4	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	0.0	0.0	0.0	0.0	-	-
130.0	40.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	45.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	40.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	45.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
133.0	50.0	2.9	9.2	0.0	-	-	-	-	-	-	-	-
133.0	55.0	5.7	0.0	0.0	-	-	-	-	-	-	-	-
137.0	40.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
137.0	50.0	0.0	0.0	2.7	0.0	-	-	-	-	0.0	-	-
140.0	45.0	0.0	0.0	6.0	-	-	-	0.0	-	0.0	-	-
143.0	60.0	0.0	-	2.7	-	-	-	-	-	-	-	-
147.0	45.0	0.0	-	2.8	-	-	-	-	-	-	-	-

*Bathylagus* spp.

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	2.6	-	0.0	-	0.0	-	-
153.0	20.0	0.0	-	2.9	-	-	-	-	-	-	-	-
153.0	70.0	0.0	-	2.8	-	-	-	-	-	-	-	-

*Bathylagus milleri*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	40.0	-	-	2.1	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Bathylagus ochotensis*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	45.0	-	-	46.6	-	-	-	-	-	-	-	-
40.0	50.0	-	-	11.1	-	-	-	-	-	-	-	-
40.0	55.0	7.1	-	21.4	-	-	-	-	-	-	-	-
40.0	60.0	5.5	-	78.6	-	-	-	-	-	-	-	-
40.0	70.0	9.4	-	42.2	-	-	-	-	-	-	-	-
40.0	80.0	0.0	-	5.5	-	-	-	-	-	-	-	-
43.0	45.0	-	-	25.8	-	-	-	-	-	-	-	-
43.0	50.0	-	-	14.6	-	-	-	-	-	-	-	-
43.0	55.0	-	-	13.1	-	-	-	-	-	-	-	-
43.0	60.0	-	-	21.3	-	-	-	-	-	-	-	-
43.0	90.0	-	-	44.6	-	-	-	-	-	-	-	-
47.0	55.0	-	-	12.2	-	-	-	-	-	-	-	-
47.0	60.0	-	-	63.8	-	-	-	-	-	-	-	-
47.0	90.0	-	-	7.5	-	-	-	-	-	-	-	-
50.0	47.0	-	-	10.2	-	-	0.0	-	-	-	-	-
50.0	50.0	2.2	-	14.2	-	-	0.0	-	-	-	-	-
50.0	55.0	5.3	-	13.9	-	-	0.0	-	-	-	-	-
50.0	60.0	4.6	-	50.2	-	-	-	-	-	-	-	-
50.0	70.0	6.0	-	6.1	-	-	-	-	-	-	-	-
50.0	90.0	0.0	-	2.4	-	-	-	-	-	-	-	-
53.0	52.0	0.0	-	30.0	-	-	-	-	-	-	-	-
53.0	55.0	1.8	-	40.0	-	-	-	-	-	-	-	-
53.0	57.0	4.3	-	-	-	-	-	-	-	-	-	-
53.0	60.0	6.5	-	48.0	-	-	-	-	-	-	-	-
53.0	70.0	8.9	-	17.8	-	-	-	-	-	-	-	-
57.0	51.0	0.0	-	1.3	-	-	-	-	-	-	-	-
57.0	55.0	0.0	-	6.8	-	-	-	-	-	-	-	-
57.0	60.0	0.0	-	6.6	-	-	-	-	-	-	-	-
57.0	70.0	6.0	-	0.0	-	-	0.0	-	-	-	-	-
60.0	55.0	0.0	-	19.2	-	-	0.0	-	0.0	-	-	-
60.0	57.0	1.8	-	-	-	-	-	-	-	-	-	-
60.0	60.0	2.2	-	17.8	-	-	0.0	-	0.0	-	-	-
60.0	70.0	0.0	-	9.9	-	-	0.0	-	0.0	-	-	-
60.0	80.0	0.0	-	10.0	-	-	0.0	-	0.0	-	-	-
60.0	90.0	0.0	-	20.0	-	-	0.0	-	0.0	-	-	-
60.0	100.0	0.0	-	-	-	-	1.3	-	0.0	-	-	-
63.0	55.0	0.0	-	2.6	-	-	-	-	0.0	-	-	-
63.0	60.0	12.4	-	15.4	-	-	-	-	0.0	-	-	-
63.0	70.0	18.5	-	59.6	-	-	-	-	-	-	-	-
63.0	80.0	3.2	-	15.2	-	-	-	-	-	-	-	-
63.0	90.0	-	-	7.4	-	-	-	-	-	-	-	-
67.0	50.0	8.2	-	0.0	-	-	-	-	0.0	-	-	-
67.0	53.0	7.9	-	-	-	-	-	-	-	-	-	-
67.0	55.0	2.3	-	0.0	-	-	-	-	0.0	-	-	-
67.0	60.0	8.2	-	21.8	-	-	-	-	0.0	-	-	-
67.0	70.0	0.0	-	91.3	-	-	-	-	0.0	-	-	-

TABLE 4. (cont.)

STATION	<i>Bathylagus ochotensis</i> (cont.)											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	80.0	2.3	-	0.0	-	-	-	-	-	-	-	-
67.0	90.0	-	-	4.3	-	-	-	-	-	-	-	-
70.0	51.0	-	-	2.1	-	-	-	-	-	-	-	-
70.0	52.0	-	-	-	-	-	0.0	-	0.0	-	-	-
70.0	53.0	-	-	-	-	-	0.0	-	0.0	-	-	-
70.0	55.0	-	-	16.0	-	-	0.0	-	0.0	-	-	-
70.0	70.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
70.0	80.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
70.0	51.0	-	-	2.4	-	-	-	-	-	-	-	-
73.0	53.0	-	-	3.3	-	-	-	-	0.0	-	-	-
73.0	55.0	-	-	0.0	-	-	-	-	0.0	-	-	-
73.0	60.0	-	-	0.0	-	-	-	-	0.0	-	-	-
73.0	70.0	-	-	0.0	-	-	-	-	0.0	-	-	-
73.0	80.0	-	-	0.0	-	-	-	-	0.0	-	-	-
73.0	90.0	-	-	3.5	-	-	-	-	0.0	-	-	-
77.0	51.0	-	-	0.0	-	-	-	-	0.0	-	-	-
77.0	53.0	-	-	0.0	-	-	-	-	0.0	-	-	-
77.0	55.0	-	-	0.0	-	-	-	-	0.0	-	-	-
77.0	57.0	-	-	0.0	-	-	-	-	0.0	-	-	-
80.0	52.0	-	-	0.0	-	-	-	-	0.0	-	-	-
80.0	53.0	-	-	2.5	-	-	2.7	-	0.0	-	-	-
80.0	55.0	-	-	3.0	-	-	0.0	-	0.0	-	-	-
80.0	57.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
80.0	60.0	-	-	11.4	-	-	-	-	0.0	-	-	-
80.0	70.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
80.0	80.0	-	-	20.4	-	-	0.0	-	0.0	-	-	-
80.0	75.0	-	-	3.5	-	-	0.0	-	0.0	-	-	-
80.0	80.0	-	-	2.6	-	-	0.0	-	0.0	-	-	-
80.0	85.0	-	-	0.0	-	-	2.6	-	0.0	-	-	-
80.0	90.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
82.0	47.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
83.0	43.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
83.0	51.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
83.0	70.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
83.0	75.0	-	-	5.0	-	-	2.8	-	0.0	-	-	-
83.0	80.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
83.0	85.0	-	-	2.0	-	-	0.0	-	0.0	-	-	-
87.0	35.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
87.0	40.0	-	-	5.8	-	-	0.0	-	0.0	-	-	-
87.0	55.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
87.0	60.0	-	-	2.4	-	-	0.0	-	0.0	-	-	-
87.0	70.0	-	-	9.2	-	-	0.0	-	0.0	-	-	-
87.0	70.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
87.0	90.0	-	-	8.9	-	-	0.0	-	0.0	-	-	-
90.0	28.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
90.0	37.0	-	-	2.7	-	-	0.0	-	0.0	-	-	-
90.0	45.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
90.0	50.0	-	-	3.5	-	-	0.0	-	0.0	-	-	-
90.0	55.0	-	-	1.9	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

STATION	<i>Bathylagus ochotensis</i> (cont.)											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	28.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	30.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	35.0	0.0	7.3	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	40.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	60.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	65.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	85.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	90.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	40.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	45.0	0.0	0.0	2.1	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
97.0	50.0	0.0	0.0	0.0	2.8	0.0	2.7	0.0	0.0	0.0	0.0	0.0
100.0	29.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	30.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	35.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	40.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	45.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	30.0	0.0	2.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	35.0	0.0	20.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	40.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	45.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	50.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0
103.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	70.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	32.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	40.0	0.0	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	35.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	40.0	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	33.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0
110.0	40.0	0.0	3.2	0.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0
110.0	45.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	50.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.0	40.0	0.0	2.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.0	50.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.0	55.0	0.0	0.0	2.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.0	35.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.0	40.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.0	45.0	0.0	3.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.0	50.0	0.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.0	55.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	65.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	65.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 4. (cont.)

<i>Bathylagus pacificus</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40-0	45.0	-	-	2.3	-	-	-	-	-	-	-	-
73-0	53.0	9.1	-	-	-	-	-	-	-	-	-	-
<i>Bathylagus wesethi</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
47-0	100.0	-	-	-	-	-	-	-	-	-	-	-
50-0	55.0	2.5	-	0.0	-	-	0.0	-	-	-	-	-
60-0	120.0	2.7	-	-	-	-	16.5	-	0.0	-	-	-
60-0	140.0	-	-	-	-	-	1.8	-	2.7	-	-	-
60-0	160.0	-	-	-	-	-	6.2	-	0.0	-	-	-
70-0	120.0	-	-	-	-	-	6.0	-	-	-	-	-
77-0	90.0	-	-	5.4	-	-	-	-	-	-	-	-
80-0	100.0	-	-	-	-	-	32.6	-	2.6	-	-	-
80-0	120.0	-	-	-	-	-	25.8	-	-	-	-	-
83-0	60.0	0.0	0.0	0.0	0.0	0.0	5.5	-	-	0.0	-	-
83-0	70.0	0.0	0.0	0.0	0.0	0.0	4.8	-	-	-	-	-
83-0	75.0	0.0	-	5.3	-	-	-	-	-	-	-	-
87-0	75.0	0.0	-	2.8	-	0.0	-	-	-	-	-	-
87-0	80.0	0.0	2.7	0.0	-	-	5.3	-	-	-	-	-
87-0	90.0	0.0	3.0	0.0	-	-	-	-	-	-	-	-
90-0	37.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90-0	80.0	0.0	2.8	1.3	0.0	0.0	3.0	0.0	-	0.0	-	-
90-0	85.0	0.0	-	2.7	0.0	2.7	6.1	-	-	2.4	-	-
90-0	90.0	0.0	3.1	0.0	25.1	2.7	6.1	8.3	-	-	-	-
90-0	95.0	0.0	0.0	2.3	28.6	0.0	-	-	-	-	-	-
90-0	100.0	0.0	0.0	2.6	24.2	0.0	30.1	2.8	-	0.0	-	-
90-0	120.0	0.0	-	-	-	-	-	20.1	-	0.0	-	-
93-0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	0.0	-	-
93-0	80.0	0.0	3.0	-	8.6	0.0	0.0	3.1	-	0.0	-	-
93-0	85.0	0.0	-	-	0.0	0.0	2.9	0.0	-	0.0	-	-
93-0	90.0	0.0	6.3	-	39.3	3.0	2.9	0.0	-	0.0	-	-
93-0	95.0	0.0	6.6	-	18.0	0.0	29.4	0.0	-	0.0	-	-
93-0	100.0	0.0	2.6	-	3.1	0.0	0.0	0.0	-	0.0	-	-
97-0	40.0	0.0	0.0	-	3.7	0.0	0.0	0.0	-	0.0	-	-
97-0	60.0	0.0	0.0	3.0	-	0.0	0.0	-	-	-	-	-
97-0	70.0	0.0	2.4	9.1	-	0.0	0.0	-	-	-	-	-
97-0	75.0	0.0	-	27.3	-	0.0	0.0	-	-	-	-	-
97-0	80.0	0.0	1.4	14.7	-	2.8	-	-	-	-	-	-
97-0	85.0	0.0	10.7	-	0.0	0.0	-	-	-	-	-	-
97-0	90.0	0.0	0.0	2.6	-	0.0	-	0.0	-	0.0	-	-
100-0	45.0	0.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-
100-0	60.0	0.0	0.0	2.2	-	0.0	-	0.0	-	0.0	-	-
100-0	65.0	0.0	-	0.0	-	7.9	-	0.0	-	32.2	-	-



TABLE 4. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	70.0	0.0	3.0	2.3	-	0.0	-	2.5	-	20.9	-	-
100.0	75.0	-	-	12.9	-	0.0	-	-	-	-	-	-
100.0	80.0	-	1.1	8.8	-	0.0	-	6.8	-	2.9	-	-
100.0	85.0	-	-	5.3	-	0.0	-	-	-	-	-	-
100.0	90.0	-	1.3	0.0	-	0.0	-	0.0	-	0.0	-	-
103.0	30.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	45.0	2.1	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	50.0	0.0	3.2	0.0	0.0	0.0	2.9	-	-	-	-	-
103.0	55.0	0.0	0.0	2.2	0.0	8.6	5.7	-	-	-	-	-
103.0	60.0	2.3	0.0	2.5	5.4	5.6	0.7	-	-	-	-	-
103.0	65.0	-	-	0.0	0.0	11.0	0.0	-	-	-	-	-
103.0	70.0	2.1	5.6	13.1	0.0	0.0	2.8	-	-	-	-	-
103.0	80.0	0.0	0.0	0.0	0.0	5.7	0.0	-	-	-	-	-
107.0	40.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	50.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-	-	-
107.0	55.0	0.0	0.0	0.0	5.7	0.0	2.9	-	-	-	-	-
107.0	60.0	0.0	2.9	8.6	17.9	8.2	20.0	-	-	-	-	-
107.0	65.0	-	-	4.7	5.7	9.0	2.7	-	-	-	-	-
107.0	70.0	0.0	0.0	0.0	0.0	2.9	8.0	-	-	-	-	-
107.0	80.0	0.0	2.3	0.0	0.0	0.0	5.8	-	-	-	-	-
110.0	40.0	0.0	0.0	0.0	0.0	3.1	-	0.0	0.0	3.3	-	-
110.0	45.0	0.0	0.0	0.0	0.0	3.0	-	0.0	0.0	0.0	-	-
110.0	50.0	0.0	0.0	2.9	3.1	11.7	-	0.0	0.0	3.0	-	-
110.0	55.0	0.0	0.0	2.9	0.0	0.0	-	0.0	0.0	11.0	-	-
110.0	60.0	0.0	13.7	2.6	0.0	0.0	-	28.0	5.7	5.7	-	-
110.0	65.0	-	-	0.0	0.0	0.0	-	2.7	0.0	0.0	-	-
110.0	70.0	0.0	0.0	2.6	0.0	0.0	-	2.7	0.0	0.0	-	-
110.0	80.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	85.0	-	-	2.9	-	-	-	0.0	-	34.3	-	-
110.0	90.0	0.0	0.0	0.0	-	0.0	2.9	0.0	-	-	-	-
113.0	45.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	-
113.0	50.0	0.0	0.0	18.0	2.9	0.0	0.0	0.0	0.0	-	-	-
113.0	55.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-	-	-
113.0	60.0	0.0	0.0	0.0	0.0	0.0	17.7	-	-	-	-	-
113.0	65.0	-	-	0.0	2.8	2.9	0.0	-	-	-	-	-
113.0	70.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-	-	-	-
113.0	75.0	-	-	0.0	0.0	2.8	-	-	-	-	-	-
113.0	80.0	0.0	0.0	0.0	0.0	2.8	5.9	2.8	0.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	45.0	0.0	2.9	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	55.0	0.0	0.0	2.0	0.0	0.0	0.0	-	-	-	-	-
117.0	60.0	0.0	0.0	9.0	0.0	0.0	2.9	-	-	-	-	-
117.0	65.0	-	-	11.8	0.0	0.0	0.0	-	-	-	-	-
117.0	70.0	0.0	0.0	2.2	0.0	0.0	2.9	-	-	-	-	-
117.0	80.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-	-	-	-
120.0	60.0	0.0	14.3	5.7	0.0	0.0	14.6	0.0	-	0.0	-	-

TABLE 4. (cont.)

*Bathylagus wesethi* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	65.0	-	-	0.0	0.0	-	-	5.8	-	0.0	-	-
120.0	80.0	0.0	0.0	0.0	0.0	5.7	-	0.0	-	0.0	-	-
120.0	90.0	0.0	0.0	0.0	0.0	5.7	-	0.0	-	2.7	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	-	0.0	-	-
127.0	55.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
130.0	35.0	0.0	2.8	0.0	0.0	0.0	-	0.0	-	0.0	-	-
130.0	55.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.8	-	-
130.0	80.0	-	-	0.0	0.0	-	-	0.0	-	0.0	-	-
137.0	55.0	-	-	0.0	-	-	-	2.7	-	0.0	-	-
143.0	60.0	0.0	-	2.7	-	-	-	-	-	-	-	-
147.0	60.0	0.0	-	2.8	-	-	-	-	-	-	-	-
153.0	16.0	0.0	-	2.8	-	-	-	-	-	-	-	-
153.0	25.0	0.0	-	3.1	-	-	-	-	-	-	-	-
153.0	55.0	0.0	-	13.3	-	-	-	-	-	-	-	-
153.0	60.0	0.0	-	2.9	-	-	-	-	-	-	-	-
153.0	65.0	-	-	2.9	-	-	-	-	-	-	-	-
153.0	70.0	2.5	-	0.0	-	-	-	-	-	-	-	-
157.0	15.0	8.3	-	-	-	-	-	2.4	-	-	-	-
157.0	20.0	10.4	-	-	-	-	-	-	-	-	-	-
157.0	25.0	6.0	-	-	-	-	-	-	-	-	-	-
157.0	35.0	6.6	-	-	-	-	-	-	-	-	-	-
157.0	45.0	2.4	-	-	-	-	-	-	-	-	-	-
157.0	50.0	7.8	-	-	-	-	-	-	-	-	-	-
157.0	55.0	2.3	-	-	-	-	-	-	-	-	-	-
157.0	60.0	5.2	-	-	-	-	-	-	-	-	-	-

*Leuroglossus stilbius*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	47.0	-	-	2.0	-	-	-	-	-	-	-	-
50.0	55.0	0.0	-	0.0	-	-	0.0	-	-	-	-	-
50.0	60.0	0.0	-	5.9	-	-	-	-	-	-	-	-
57.0	70.0	3.0	-	0.0	-	-	-	-	-	-	-	-
60.0	55.0	0.0	-	0.0	-	-	24.3	-	0.0	-	-	-
60.0	60.0	0.0	-	2.2	-	-	6.1	-	0.0	-	-	-
60.0	80.0	0.0	-	10.2	-	-	0.0	-	0.0	-	-	-
63.0	55.0	0.0	-	10.2	-	-	-	-	0.0	-	-	-
63.0	60.0	0.0	-	2.6	-	-	-	-	2.7	-	-	-
63.0	70.0	0.0	-	6.0	-	-	-	-	0.0	-	-	-
67.0	50.0	2.0	-	14.5	-	-	-	-	0.0	-	-	-
67.0	53.0	2.6	-	-	-	-	-	-	-	-	-	-
67.0	55.0	2.3	-	114.8	-	-	-	-	0.0	-	-	-
67.0	60.0	4.1	-	0.0	-	-	-	-	0.0	-	-	-
67.0	70.0	0.0	-	56.2	-	-	-	-	-	-	-	-
70.0	52.0	-	-	171.4	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Leuroglossus stilbius* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	53.0	—	—	—	—	—	9.3	—	0.0	—	—	—
70.0	55.0	—	—	30.2	—	—	0.0	—	0.0	—	—	—
70.0	60.0	—	—	16.0	—	—	0.0	—	0.0	—	—	—
70.0	70.0	—	—	45.0	—	—	5.9	—	0.0	—	—	—
73.0	51.0	37.8	—	—	—	—	—	—	—	0.0	—	—
73.0	53.0	60.3	—	—	—	—	—	—	—	—	—	—
73.0	55.0	—	16.6	—	16.6	15.8	—	—	—	—	—	—
73.0	60.0	—	—	—	31.5	55.1	—	—	—	—	—	—
73.0	70.0	—	2.7	—	—	—	—	—	—	—	—	—
73.0	70.0	—	0.0	—	—	—	—	—	—	—	—	—
77.0	50.0	—	2.6	—	17.4	—	—	—	—	—	—	—
77.0	51.0	—	16.5	—	—	—	—	—	—	—	—	—
77.0	53.0	—	59.2	—	—	—	—	—	—	—	—	—
77.0	55.0	—	49.1	26.5	76.8	—	—	—	—	—	—	—
77.0	57.0	—	5.2	—	—	—	—	—	—	—	—	—
77.0	60.0	—	0.0	—	—	—	—	—	—	—	—	—
77.0	65.0	—	10.3	—	—	—	—	—	—	—	—	—
77.0	70.0	—	8.7	184.9	—	—	—	—	—	—	—	—
77.0	90.0	—	2.7	4.7	—	—	—	—	—	—	—	—
80.0	53.0	—	55.4	209.2	—	—	—	—	—	—	—	—
80.0	55.0	—	176.4	176.4	—	—	8.2	—	—	—	—	—
80.0	57.0	—	298.3	39.6	—	—	—	—	—	—	—	—
80.0	57.0	—	22.7	—	—	—	26.7	—	—	—	—	—
80.0	60.0	—	229.3	72.6	—	—	—	—	—	—	—	—
80.0	65.0	—	—	200.9	—	—	—	—	—	—	—	—
80.0	70.0	—	—	21.2	—	—	—	—	—	—	—	—
80.0	75.0	—	—	10.6	—	—	—	—	—	—	—	—
80.0	80.0	—	39.6	26.1	—	—	—	—	—	—	—	—
80.0	80.0	—	0.0	0.0	—	—	—	—	—	—	—	—
80.0	90.0	—	0.0	0.0	—	—	—	—	—	—	—	—
82.0	47.0	104.8	741.7	204.2	8.3	17.1	0.0	—	—	—	—	—
83.0	40.0	0.0	0.0	371.6	2.0	0.0	—	—	—	—	—	—
83.0	43.0	0.0	0.8	14.7	14.7	2.7	—	—	—	—	—	—
83.0	51.0	0.0	261.3	125.3	2.5	0.0	—	—	—	—	—	—
83.0	55.0	0.0	61.0	125.9	223.5	16.2	—	—	—	—	—	—
83.0	60.0	—	0.0	20.9	6.2	—	—	—	—	—	—	—
83.0	65.0	—	106.3	18.7	—	—	—	—	—	—	—	—
83.0	70.0	—	44.8	24.9	—	—	—	—	—	—	—	—
83.0	75.0	—	—	29.3	—	—	—	—	—	—	—	—
83.0	80.0	—	0.0	2.7	—	—	—	—	—	—	—	—
83.0	85.0	—	2.0	—	—	—	—	—	—	—	—	—
87.0	35.0	189.6	1414.9	32.8	—	—	—	—	—	—	—	—
87.0	40.0	641.5	108.1	336.7	75.4	19.3	—	—	—	—	—	—
87.0	45.0	24.9	374.0	425.6	439.4	78.9	—	—	—	—	—	—
87.0	50.0	0.0	4.1	142.4	63.3	26.5	—	—	—	—	—	—
87.0	55.0	0.0	7.1	161.7	13.7	13.7	—	—	—	—	—	—
87.0	55.0	—	57.6	137.3	74.1	10.7	—	—	—	—	—	—
87.0	60.0	—	439.3	128.5	40.8	3.3	—	—	—	—	—	—
87.0	65.0	—	—	48.7	—	2.8	—	—	—	—	—	—

TABLE 4. (cont.)

*Leuroglossus stilbius* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	70.0	0.0	260.1	4.6	16.6	0.0	0.0	-	-	-	-	-
87.0	75.0	-	-	16.6	16.6	33.8	-	-	-	-	-	-
87.0	85.0	-	-	2.5	-	-	-	-	-	-	-	-
90.0	28.0	0.0	19.6	18.1	327.0	5.1	13.9	0.0	-	0.0	-	-
90.0	32.0	0.0	33.6	13.1	510.9	9.4	20.6	0.0	-	0.0	-	-
90.0	37.0	0.0	57.6	677.3	996.8	18.8	5.0	2.8	-	0.0	-	-
90.0	45.0	0.0	42.4	281.4	129.0	62.2	0.0	2.5	-	0.0	-	-
90.0	50.0	0.0	20.2	46.3	166.1	0.0	-	-	-	-	-	-
90.0	53.0	-	-	-	-	-	0.0	8.0	-	0.0	-	-
90.0	55.0	-	220.7	166.2	98.8	6.8	0.0	-	-	-	-	-
90.0	60.0	0.0	122.8	126.5	41.4	39.5	6.0	2.7	-	0.0	-	-
90.0	65.0	0.0	2.9	64.5	24.0	50.4	0.0	-	-	0.0	-	-
90.0	70.0	0.0	0.0	9.5	0.0	14.3	6.0	0.0	-	0.0	-	-
90.0	75.0	-	0.0	0.0	13.2	14.1	-	-	-	-	-	-
90.0	80.0	0.0	2.9	0.0	16.0	15.3	3.0	0.0	-	0.0	-	-
90.0	85.0	0.0	0.0	5.4	0.0	2.7	-	-	-	-	-	-
90.0	90.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	100.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	28.0	0.0	-	556.7	125.8	0.0	9.1	0.0	-	0.0	-	-
93.0	30.0	0.0	-	470.9	94.1	5.7	4.8	2.8	-	0.0	-	-
93.0	35.0	0.0	40.3	660.3	85.7	2.6	0.0	0.0	-	0.0	-	-
93.0	40.0	0.0	2.6	469.7	59.0	5.9	0.0	0.0	-	0.0	-	-
93.0	45.0	0.0	13.9	100.1	42.3	28.4	0.0	-	-	0.0	-	-
93.0	50.0	0.0	13.8	125.0	33.6	36.4	2.8	0.0	-	0.0	-	-
93.0	55.0	0.0	13.3	34.1	81.5	82.9	5.8	0.0	-	0.0	-	-
93.0	60.0	0.0	0.0	12.4	170.6	30.2	0.0	0.0	-	0.0	-	-
93.0	65.0	-	-	0.0	110.6	11.8	5.2	0.0	-	0.0	-	-
93.0	70.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-
93.0	75.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	80.0	0.0	0.0	7.2	0.0	2.7	0.0	0.0	-	0.0	-	-
93.0	85.0	0.0	0.0	0.0	0.0	13.6	-	-	-	-	-	-
93.0	90.0	0.0	0.0	0.0	0.0	2.8	0.0	2.9	-	0.0	-	-
97.0	30.0	0.0	0.0	23.0	12.3	0.0	0.0	0.0	-	0.0	-	-
97.0	32.0	0.0	32.4	362.9	12.3	0.0	2.9	0.0	-	0.0	-	-
97.0	35.0	0.0	11.6	157.7	15.5	8.3	0.0	2.5	-	0.0	-	-
97.0	40.0	0.0	23.8	68.3	15.5	51.8	9.0	0.0	-	0.0	-	-
97.0	45.0	0.0	2.5	373.7	12.7	73.7	0.0	-	-	0.0	-	-
97.0	50.0	0.0	0.0	5.3	11.8	25.7	5.7	-	-	0.0	-	-
97.0	55.0	0.0	0.0	63.0	89.7	14.0	2.9	-	-	-	-	-
97.0	60.0	0.0	1.3	6.0	7.4	0.0	0.0	-	-	-	-	-
97.0	65.0	-	-	0.0	0.0	20.3	0.0	-	-	-	-	-
97.0	80.0	0.0	0.0	0.0	-	5.7	0.0	-	-	-	-	-
97.0	85.0	-	-	0.0	-	5.5	-	-	-	-	-	-
100.0	29.0	0.0	-	18.9	50.2	2.9	-	0.0	-	-	-	-
100.0	30.0	0.0	-	11.7	65.0	10.8	-	1.6	-	0.0	-	-
100.0	35.0	0.0	-	112.2	346.5	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.
100.0	40.0	0.0	9.5	19.8	-	2.8	-	0.0	-	0.0	-	-
100.0	45.0	0.0	1.3	18.2	-	15.1	-	0.0	-	0.0	-	-
100.0	50.0	0.0	2.9	2.5	-	27.0	-	6.9	-	0.0	-	-
100.0	60.0	0.0	0.0	2.2	-	6.1	-	-	-	0.0	-	-
103.0	30.0	0.0	104.4	35.0	10.0	-	0.0	0.0	0.0	0.0	-	-
103.0	35.0	0.0	233.1	125.2	48.6	-	2.8	0.0	0.0	0.0	-	-
103.0	40.0	0.0	89.3	79.2	55.2	9.1	2.9	0.0	0.0	0.0	-	-
103.0	45.0	0.0	0.0	29.2	69.6	0.0	0.0	0.0	-	-	-	-
103.0	50.0	0.0	0.0	0.0	36.4	0.0	0.0	-	-	-	-	-
103.0	55.0	0.0	0.0	0.0	16.9	0.0	0.0	-	-	-	-	-
103.0	60.0	0.0	0.0	0.0	18.9	0.0	0.0	-	-	-	-	-
103.0	65.0	-	-	0.0	5.7	0.0	0.0	-	-	-	-	-
107.0	32.0	0.0	306.3	23.3	7.2	0.0	0.0	0.0	0.0	0.0	-	-
107.0	35.0	0.0	117.4	131.0	21.7	3.9	5.9	0.0	0.0	0.0	-	-
107.0	40.0	0.0	47.7	7.4	8.4	0.0	0.0	0.0	0.0	0.0	-	-
107.0	45.0	0.0	20.8	0.0	3.0	7.5	0.0	-	-	-	-	-
107.0	50.0	0.0	0.0	0.0	2.8	9.1	0.0	-	-	-	-	-
107.0	55.0	0.0	0.0	0.0	19.8	18.5	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-	-	-	-
110.0	33.0	0.0	8.2	1.5	11.0	14.3	-	0.0	0.0	0.0	-	-
110.0	35.0	0.0	48.2	6.8	22.6	24.3	-	1.3	0.0	0.0	-	-
110.0	40.0	0.0	35.1	0.0	77.2	3.1	-	0.0	1.7	0.0	-	-
110.0	45.0	0.0	0.0	103.7	21.7	0.0	-	0.0	0.0	0.0	-	-
110.0	50.0	0.0	0.0	61.4	0.0	0.0	-	0.0	0.0	0.0	-	-
111.0	35.0	0.0	14.6	71.0	5.5	2.7	8.8	0.0	0.0	0.0	-	-
113.0	40.0	0.0	10.4	230.1	0.0	15.4	-	0.0	0.0	0.0	-	-
113.0	45.0	0.0	4.9	130.5	12.2	0.0	0.0	0.0	0.0	0.0	-	-
113.0	50.0	0.0	1.6	23.1	5.5	0.0	0.0	-	-	-	-	-
113.0	55.0	0.0	0.0	0.0	6.0	0.0	0.0	-	-	-	-	-
113.0	60.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-	-	-	-
113.0	65.0	-	-	15.7	0.0	0.0	2.8	-	-	-	-	-
117.0	70.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	26.0	0.0	1.3	5.4	5.4	2.7	0.0	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	15.6	8.6	0.0	0.0	0.0	0.0	0.0	-	-
117.0	35.0	0.0	2.6	9.0	25.9	12.9	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	4.7	72.7	42.8	2.6	0.0	0.0	0.0	0.0	-	-
117.0	45.0	0.0	111.3	27.9	13.9	5.4	0.0	0.0	0.0	0.0	-	-
117.0	50.0	0.0	49.6	16.3	9.5	0.0	0.0	-	-	-	-	-
117.0	55.0	0.0	54.2	2.0	41.7	0.0	0.0	-	-	-	-	-
117.0	60.0	0.0	2.4	12.0	0.0	0.0	0.0	-	-	-	-	-
117.0	65.0	-	-	2.0	0.0	0.0	0.0	-	-	-	-	-
117.0	70.0	0.0	0.0	2.2	0.0	0.0	0.0	-	-	-	-	-
118.0	39.0	0.0	18.4	37.9	30.6	18.3	0.0	0.0	0.0	0.0	-	-
120.0	45.0	0.0	37.4	1.8	16.9	0.0	0.0	0.0	0.0	3.0	-	-
120.0	50.0	0.0	7.4	0.0	5.2	0.0	0.0	0.0	0.0	0.0	-	-
120.0	55.0	0.0	1.2	0.0	5.6	0.0	0.0	0.0	0.0	0.0	-	-

TABLE 4. (cont.)

*Leuroglossus stibius* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	60.0	0.0	2.9	0.0	27.6	0.0	-	0.0	-	0.0	-	-
120.0	65.0	-	-	2.5	103.4	0.0	-	0.0	-	0.0	-	-
120.0	70.0	0.0	0.0	0.0	5.6	0.0	-	0.0	-	0.0	-	-
123.0	37.0	0.7	6.7	6.8	0.0	0.0	0.0	0.0	-	0.0	-	-
123.0	42.0	2.3	73.8	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
123.0	45.0	1.3	40.5	0.0	23.0	0.0	0.0	0.0	-	0.0	-	-
123.0	50.0	1.4	0.0	0.0	2.9	0.0	0.0	-	-	0.0	-	-
123.0	55.0	0.0	0.0	0.0	8.1	0.0	0.0	0.0	-	0.0	-	-
127.0	34.0	0.0	0.0	22.4	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	40.0	0.0	37.5	84.3	2.1	0.0	0.0	0.0	-	0.0	-	-
127.0	45.0	0.0	10.5	2.9	0.0	0.0	0.0	-	-	0.0	-	-
130.0	35.0	0.0	33.1	17.0	9.3	0.0	-	1.4	-	0.0	-	-
130.0	40.0	0.0	2.9	23.9	0.0	0.0	-	2.6	-	0.0	-	-
130.0	45.0	0.0	0.0	48.3	0.0	0.0	-	0.0	-	0.0	-	-
133.0	25.0	0.0	0.0	2.5	0.0	0.0	-	0.0	-	0.0	-	-
133.0	30.0	0.0	8.0	23.0	0.0	0.0	-	1.2	-	0.0	-	-
133.0	35.0	0.0	0.0	45.9	8.0	0.0	-	0.0	-	0.0	-	-
133.0	40.0	0.0	11.4	19.9	0.0	2.6	-	0.0	-	0.0	-	-
133.0	45.0	2.9	0.0	0.0	-	-	-	6.7	-	0.0	-	-
134.0	36.0	0.0	5.6	0.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	23.0	0.0	1.3	0.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	30.0	0.0	2.8	0.0	2.8	2.8	-	0.0	-	0.0	-	-
137.0	35.0	0.0	39.6	0.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	40.0	2.4	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-

## Osmeridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	52.0	-	-	7.5	-	-	0.0	-	0.0	-	-	-
60.0	55.0	0.0	-	7.7	-	-	0.0	-	0.0	-	-	-

## Stomiiformes

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	160.0	-	-	-	-	-	6.2	-	0.0	-	-	-
60.0	200.0	-	-	-	-	-	2.9	-	2.4	-	-	-
70.0	80.0	2.4	-	0.0	-	-	0.0	-	0.0	-	-	-
70.0	200.0	-	-	-	-	-	2.5	-	2.5	-	-	-
80.0	200.0	-	-	-	-	-	0.0	-	2.2	-	-	-
87.0	40.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
90.0	100.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	-	0.0	-	-
90.0	160.0	-	-	-	-	-	0.0	-	-	2.8	-	-
100.0	90.0	0.0	0.0	0.0	-	0.0	-	7.1	-	0.0	-	-

TABLE 4. (cont.)

## Stomiiformes (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	45.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.0	-	-
127.0	45.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	0.0	-	-
147.0	50.0	0.0	0.0	2.8	-	-	-	-	-	-	-	-
157.0	15.0	-	-	-	-	-	-	-	-	-	-	-

*Cyclothone* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	120.0	-	-	-	-	-	4.7	-	0.0	-	-	-
60.0	140.0	-	-	-	-	-	3.5	-	67.3	-	-	-
60.0	160.0	-	-	-	-	-	32.8	-	12.7	-	-	-
60.0	180.0	-	-	-	-	-	6.3	-	10.8	-	-	-
60.0	200.0	-	-	-	-	-	5.8	-	9.6	-	-	-
70.0	200.0	-	-	-	-	-	15.1	-	0.0	-	-	-
80.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
80.0	90.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	-	-	-
80.0	100.0	-	-	-	-	-	4.3	0.0	0.0	-	-	-
80.0	120.0	-	-	-	-	-	6.5	0.0	0.0	-	-	-
80.0	200.0	-	-	-	-	-	11.8	30.1	-	-	-	-
83.0	75.0	-	-	2.7	-	0.0	-	-	-	-	-	-
83.0	90.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-
87.0	90.0	0.0	3.0	0.0	-	-	-	-	-	-	-	-
90.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	5.6	-	-
90.0	65.0	-	-	0.0	0.0	0.0	0.0	0.0	-	2.7	-	-
90.0	80.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.8	-	-
90.0	90.0	0.0	0.0	0.0	2.8	0.0	0.0	5.5	-	4.8	-	-
90.0	100.0	10.8	0.0	0.0	33.2	0.0	0.0	17.1	-	0.0	-	-
90.0	120.0	-	-	0.0	-	-	-	20.1	-	7.4	-	-
90.0	140.0	-	-	-	-	-	0.0	-	-	13.8	-	-
90.0	160.0	-	-	-	-	-	13.3	-	-	25.6	-	-
90.0	180.0	-	-	-	-	-	11.9	-	-	17.0	-	-
90.0	200.0	-	-	-	-	-	9.8	-	2.5	-	-	-
93.0	70.0	0.0	1.4	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	75.0	0.0	5.6	-	0.0	0.0	-	-	-	-	-	-
93.0	80.0	0.0	1.8	-	0.0	0.0	0.0	3.1	-	0.0	-	-
93.0	90.0	0.0	1.6	-	0.0	2.8	0.0	0.0	-	46.9	-	-
93.0	95.0	-	0.0	-	33.2	0.0	0.0	0.0	-	-	-	-
93.0	100.0	-	2.9	-	21.0	0.0	0.0	7.9	-	2.9	-	-
97.0	60.0	0.0	10.9	0.0	0.0	0.0	5.9	-	-	-	-	-
97.0	70.0	0.0	8.9	0.0	0.0	0.0	0.0	-	-	-	-	-
97.0	80.0	2.5	1.4	9.1	-	0.0	0.0	-	-	-	-	-
97.0	85.0	0.0	8.8	-	-	0.0	0.0	-	-	-	-	-
97.0	90.0	0.0	15.4	-	-	2.6	-	-	-	-	-	-
100.0	45.0	0.0	0.0	0.0	-	0.0	-	0.0	-	2.7	-	-

TABLE 4. (cont.)

## Cyclothone spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	55.0	0.0	0.0	0.0	-	0.0	-	0.0	-	6.2	-	-
100.0	60.0	2.8	0.0	0.0	-	3.0	-	0.0	-	24.4	-	-
100.0	65.0	-	0.0	3.0	-	0.0	-	0.0	-	29.3	-	-
100.0	70.0	2.9	6.1	4.5	-	0.0	-	0.0	-	13.0	-	-
100.0	75.0	-	12.9	12.9	-	0.0	-	-	-	-	-	-
100.0	80.0	19.9	3.6	6.6	-	2.2	-	0.0	-	20.0	-	-
100.0	85.0	-	2.7	2.7	-	2.6	-	-	-	-	-	-
100.0	90.0	27.6	2.7	0.0	-	0.0	-	3.6	-	3.3	-	-
100.0	100.0	-	-	-	-	-	-	25.0	-	3.2	-	-
100.0	120.0	-	-	-	-	-	-	10.4	-	8.3	-	-
103.0	40.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	45.0	0.0	2.1	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	50.0	0.0	0.0	0.0	0.0	0.0	3.2	-	-	-	-	-
103.0	60.0	0.0	6.8	0.0	0.0	2.7	2.8	-	-	-	-	-
103.0	65.0	-	-	1.7	2.8	0.0	0.0	-	-	-	-	-
103.0	70.0	-	2.1	11.2	18.7	2.8	0.0	-	-	-	-	-
103.0	75.0	-	-	18.0	0.0	6.0	0.0	-	-	-	-	-
103.0	80.0	0.0	0.0	18.1	0.0	2.9	0.0	-	-	-	-	-
103.0	90.0	22.2	0.0	0.0	-	0.0	0.0	-	-	-	-	-
107.0	50.0	2.8	6.7	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	55.0	0.0	2.2	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	60.0	2.5	4.4	0.0	0.0	5.5	8.6	-	-	-	-	-
107.0	65.0	-	-	2.4	0.0	6.0	5.4	-	-	-	-	-
107.0	70.0	0.0	5.1	0.0	2.3	0.0	0.0	-	-	-	-	-
107.0	75.0	-	-	2.8	0.0	2.9	0.0	-	-	-	-	-
107.0	80.0	2.0	2.3	8.3	0.0	0.0	0.0	-	-	-	-	-
107.0	90.0	11.8	-	0.0	0.0	0.0	0.0	-	-	-	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	-	-
110.0	45.0	0.0	3.7	0.0	0.0	0.0	0.0	2.6	-	0.0	-	-
110.0	50.0	0.0	4.2	3.1	0.0	0.0	0.0	0.0	-	0.0	-	-
110.0	55.0	3.0	15.8	2.8	0.0	0.0	0.0	0.0	-	0.0	-	-
110.0	60.0	0.0	0.0	8.2	0.0	0.0	0.0	2.8	-	31.1	-	-
110.0	65.0	-	-	-	0.0	0.0	0.0	0.0	-	28.5	-	-
110.0	70.0	8.7	0.0	2.8	0.0	2.8	0.0	0.0	-	6.0	-	-
110.0	80.0	2.6	0.0	0.0	6.1	0.0	0.0	2.7	-	2.5	-	-
110.0	90.0	2.8	0.0	0.0	5.1	0.0	0.0	3.0	-	13.2	-	-
110.0	100.0	-	-	-	-	-	-	8.4	-	8.8	-	-
110.0	120.0	-	-	-	-	-	-	2.8	-	8.4	-	-
113.0	30.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	40.0	2.7	0.0	2.6	0.0	0.0	0.0	0.0	0.0	-	-	-
113.0	50.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-	-	-	-
113.0	55.0	0.0	1.7	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0	60.0	0.0	8.2	0.0	0.0	0.0	3.0	-	-	-	-	-
113.0	70.0	27.1	3.6	0.0	0.0	2.6	6.1	-	-	-	-	-
113.0	75.0	-	-	2.0	0.0	0.0	0.0	-	-	-	-	-
113.0	80.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-



TABLE 4. (cont.)

*Cyclothone* spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	85.0	-	-	9.2	-	-	-	-	-	-	-	-
113.0	90.0	5.8	-	5.8	-	-	-	-	-	-	-	-
117.0	26.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-	-
117.0	30.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	-	-
117.0	45.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	-	-	-	-
117.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
117.0	55.0	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	0.0	0.0	0.0	-	-	-	-
117.0	65.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	-	-	-	-
117.0	70.0	3.4	0.0	2.2	0.0	0.0	0.0	0.0	-	-	-	-
117.0	75.0	7.0	0.0	1.8	0.0	0.0	0.0	0.0	-	-	-	-
117.0	80.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	-	-	-	-
117.0	85.0	-	0.0	0.0	0.0	4.8	-	0.0	-	0.0	-	-
120.0	50.0	-	0.0	5.6	0.0	0.0	-	5.1	-	0.0	-	-
120.0	60.0	-	1.5	0.0	0.0	0.0	-	2.2	-	0.0	-	-
120.0	65.0	-	-	0.0	3.0	2.4	-	2.9	-	0.0	-	-
120.0	70.0	-	1.5	0.0	0.0	2.6	-	2.9	-	0.0	-	-
120.0	75.0	-	-	7.6	0.0	0.0	-	14.0	-	6.0	-	-
120.0	80.0	-	2.2	0.0	2.8	2.8	-	21.6	-	24.6	-	-
120.0	90.0	-	-	0.0	0.0	-	-	35.4	-	21.0	-	-
120.0	100.0	-	-	-	-	-	-	6.0	-	7.9	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
123.0	45.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	0.0	-	-
123.0	55.0	1.5	2.9	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
123.0	70.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.2	-	-
127.0	50.0	0.0	0.0	5.6	2.6	0.0	0.0	0.0	-	0.0	-	-
127.0	60.0	0.9	0.0	2.7	0.0	7.7	0.0	-	-	-	-	-
127.0	70.0	5.8	-	0.0	-	-	-	-	-	-	-	-
127.0	80.0	0.0	-	2.6	-	-	-	-	-	-	-	-
130.0	35.0	4.2	2.8	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
130.0	40.0	10.3	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
130.0	45.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
130.0	50.0	1.4	0.0	0.0	3.0	0.0	0.0	0.0	-	0.0	-	-
130.0	55.0	2.8	0.0	0.0	0.0	2.9	0.0	5.2	-	2.8	-	-
130.0	70.0	-	-	0.0	0.0	-	-	0.5	-	5.1	-	-
130.0	80.0	-	-	-	-	-	-	0.0	-	18.3	-	-
130.0	120.0	-	-	-	-	-	-	1.1	-	15.0	-	-
133.0	30.0	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	-	-	-	-
133.0	45.0	23.0	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	0.0	-	-	-	-
133.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	-	-	-	-

TABLE 4. (cont.)

<i>Cyclothone</i> spp. (cont.)												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	60.0	0.0	-	0.0	-	-	-	7.7	-	-	-	-
134.0	36.0	11.6	0.0	2.8	0.0	0.0	-	0.0	-	-	-	-
137.0	30.0	2.1	0.0	0.0	0.0	0.0	-	3.8	-	2.6	-	-
137.0	40.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	45.0	2.3	0.0	0.0	0.0	0.0	-	2.3	-	0.0	-	-
137.0	50.0	0.0	5.5	0.0	-	-	-	16.5	-	0.0	-	-
137.0	55.0	0.0	-	0.0	-	-	-	2.7	-	0.0	-	-
137.0	60.0	0.0	-	0.0	-	-	-	2.4	-	2.8	-	-
137.0	80.0	0.0	-	0.0	-	-	-	-	-	-	-	-
140.0	50.0	2.7	-	0.0	-	-	-	-	-	-	-	-
147.0	55.0	0.0	-	0.0	-	-	-	-	-	-	-	-
147.0	60.0	2.8	-	2.8	-	-	-	-	-	-	-	-
150.0	50.0	0.0	-	3.0	-	-	-	-	-	-	-	-
157.0	80.0	2.0	-	-	-	-	-	-	-	-	-	-

<i>Diplophos taenia</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	160.0	-	-	-	-	-	3.3	-	-	2.8	-	-
90.0	180.0	-	-	-	-	-	3.0	-	-	0.0	-	-
90.0	200.0	-	-	-	-	-	3.3	-	-	0.0	-	-
120.0	80.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	3.0	-	-
120.0	100.0	-	-	-	-	-	-	0.0	-	5.2	-	-
130.0	120.0	-	-	-	-	-	-	-	-	2.5	-	-
143.0	60.0	0.0	-	2.7	-	-	-	-	-	-	-	-
147.0	25.0	3.0	-	0.0	-	-	-	-	-	-	-	-
147.0	50.0	5.6	-	0.0	-	-	-	-	-	-	-	-
147.0	55.0	2.8	-	0.0	-	-	-	-	-	-	-	-
147.0	60.0	0.0	-	0.0	-	-	-	-	-	-	-	-
153.0	35.0	5.3	-	0.0	-	-	-	-	-	-	-	-
157.0	35.0	4.4	-	-	-	-	-	-	-	-	-	-
157.0	40.0	2.3	-	-	-	-	-	-	-	-	-	-
157.0	45.0	4.7	-	-	-	-	-	-	-	-	-	-
157.0	50.0	5.2	-	-	-	-	-	-	-	-	-	-
157.0	80.0	4.1	-	-	-	-	-	-	-	-	-	-

<i>Ichthyococcus</i> spp.												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	70.0	-	4.2	2.2	0.0	0.0	0.0	-	-	-	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	-	8.4	0.0	0.0	-	-
110.0	75.0	-	0.0	2.6	0.0	0.0	-	-	-	-	-	-
117.0	65.0	-	-	3.9	0.0	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

*Ichthyococcus* spp. (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	3.0	-	-	-	-	-
153.0	80.0	2.8	-	-	-	-	-	-	-	-	-	-
<i>Vinciguerria lucetia</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	140.0	-	-	-	-	-	0.0	-	2.7	-	-	-
60.0	160.0	-	-	-	-	18.4	0.0	-	0.0	-	-	-
60.0	180.0	-	-	-	-	0.0	0.0	-	5.4	-	-	-
60.0	200.0	-	-	-	-	0.0	0.0	-	9.6	-	-	-
70.0	120.0	-	-	-	-	2.4	0.0	-	-	-	-	-
70.0	200.0	-	-	-	-	30.1	0.0	-	0.0	-	-	-
80.0	90.0	0.0	0.0	-	0.0	0.0	0.0	-	2.2	-	-	-
80.0	120.0	-	-	-	-	52.1	0.0	-	2.6	-	-	-
80.0	200.0	-	-	-	-	58.1	0.0	-	-	-	-	-
80.0	200.0	-	-	-	-	23.6	0.0	-	21.5	-	-	-
90.0	32.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	2.9	-	-
90.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	4.4	-	-
90.0	70.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	80.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	2.8	-	-
90.0	90.0	0.0	3.1	0.0	2.8	0.0	0.0	198.7	-	2.4	-	-
90.0	95.0	-	-	2.3	7.2	0.0	-	-	-	-	-	-
90.0	100.0	0.0	0.0	102.7	0.0	0.0	43.8	333.4	-	15.7	-	-
90.0	120.0	-	-	-	-	-	-	201.0	-	127.9	-	-
90.0	140.0	-	-	-	-	-	28.4	-	-	22.0	-	-
90.0	160.0	-	-	-	-	-	3.3	-	-	8.5	-	-
90.0	180.0	-	-	-	-	-	3.0	-	-	0.0	-	-
90.0	200.0	-	-	-	-	-	3.3	-	0.0	-	-	-
93.0	35.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	2.7	-	-
93.0	45.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	3.1	-	-
93.0	55.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	10.8	-	-
93.0	60.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	41.7	-	-
93.0	70.0	0.0	1.4	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	80.0	0.0	0.0	-	0.0	0.0	0.0	3.1	-	9.2	-	-
93.0	85.0	-	3.0	-	0.0	0.0	-	-	-	-	-	-
93.0	90.0	0.0	1.5	-	0.0	0.0	0.0	0.0	-	24.8	-	-
93.0	95.0	-	0.0	-	36.2	0.0	-	-	-	-	-	-
93.0	100.0	0.0	0.0	-	39.0	0.0	52.9	65.8	-	5.8	-	-
97.0	30.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-	0.0	-	-
97.0	35.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	0.0	-	-
97.0	40.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	2.9	-	-
97.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.3	-	-
97.0	50.0	3.1	1.0	0.0	0.0	0.0	0.0	0.0	-	23.9	-	-
97.0	60.0	2.6	13.2	3.0	7.4	0.0	0.0	0.0	-	-	-	-
97.0	65.0	-	-	3.2	-	0.0	0.0	0.0	-	-	-	-

TABLE 4. (cont.)

*Vinciguerria lucetia* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	70.0	8.3	0.0	3.0	-	0.0	0.0	-	-	-	-	-
97.0	75.0	-	5.2	12.1	-	0.0	0.0	-	-	-	-	-
97.0	80.0	7.5	36.4	36.4	-	0.0	2.7	-	-	-	-	-
97.0	85.0	-	76.2	76.2	-	0.0	-	-	-	-	-	-
97.0	90.0	0.0	52.3	-	2.6	0.0	-	0.0	-	-	-	-
100.0	40.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	13.2	-	-
100.0	55.0	0.0	2.6	0.0	3.0	0.0	-	0.0	-	135.5	-	-
100.0	60.0	0.0	0.0	0.0	7.9	0.0	-	0.0	-	593.5	-	-
100.0	65.0	-	14.8	21.1	6.1	7.9	71.3	71.3	-	1362.5	-	-
100.0	70.0	0.0	80.5	24.9	3.0	3.0	140.8	140.8	-	362.8	-	-
100.0	75.0	-	9.3	13.2	0.0	0.0	20.3	20.3	-	128.7	-	-
100.0	80.0	102.6	3.6	79.5	0.0	0.0	-	-	-	-	-	-
100.0	85.0	-	43.6	63.2	24.0	0.0	28.6	28.6	-	357.5	-	-
100.0	90.0	128.9	-	-	-	-	222.5	222.5	-	28.6	-	-
100.0	100.0	-	-	-	-	-	59.6	59.6	-	5.5	-	-
103.0	120.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.7	-	-
103.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	5.0	5.7	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	55.0	0.0	0.0	4.3	0.0	54.1	55.5	-	-	-	-	-
103.0	60.0	0.0	5.9	0.0	0.0	56.2	175.5	-	-	-	-	-
103.0	65.0	0.0	11.3	6.9	2.8	135.2	57.0	-	-	-	-	-
103.0	70.0	-	22.3	19.6	8.6	36.4	75.1	-	-	-	-	-
103.0	75.0	54.9	5.1	15.1	8.6	84.6	-	-	-	-	-	-
103.0	80.0	26.0	76.4	60.2	0.0	77.5	37.1	-	-	-	-	-
103.0	85.0	-	-	75.4	-	-	-	-	-	-	-	-
103.0	90.0	136.2	-	9.6	-	-	-	-	-	-	-	-
107.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.8	-	-
107.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
107.0	50.0	19.9	0.0	0.0	0.0	2.3	0.0	-	-	-	-	-
107.0	55.0	16.9	3.0	0.0	2.8	0.0	2.9	-	-	-	-	-
107.0	60.0	2.5	2.9	0.0	68.5	625.2	426.1	-	-	-	-	-
107.0	65.0	-	65.7	4.7	5.7	117.4	91.8	-	-	-	-	-
107.0	70.0	14.3	71.1	16.4	57.0	32.2	803.7	-	-	-	-	-
107.0	75.0	-	18.6	8.5	32.1	37.7	-	-	-	-	-	-
107.0	80.0	3.9	38.9	7.1	17.3	70.3	66.2	-	-	-	-	-
107.0	85.0	-	-	0.0	-	-	-	-	-	-	-	-
107.0	90.0	71.0	-	5.7	-	-	-	-	-	-	-	-
110.0	33.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	35.0	0.0	0.0	0.0	5.7	3.0	0.0	0.0	0.0	0.0	-	-
110.0	40.0	5.4	1.7	0.0	0.0	9.2	0.0	0.0	10.2	13.0	-	-
110.0	45.0	0.0	0.0	0.0	0.0	9.0	7.9	7.9	-	0.0	-	-
110.0	45.0	0.0	0.0	0.0	0.0	0.0	6.4	6.4	-	14.9	-	-
110.0	50.0	0.0	16.6	0.0	0.0	14.6	-	-	-	15.8	-	-
110.0	55.0	18.0	21.7	25.6	0.0	0.0	15.8	15.8	-	247.5	-	-
110.0	60.0	23.0	54.8	0.0	40.2	13.0	98.0	98.0	-	384.9	-	-
110.0	65.0	-	-	0.0	2.8	2.8	2.7	2.7	-	547.2	-	-

TABLE 4. (cont.)

*Vinciguerria lucetia* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	16.4	51.7	5.5	2.6	2.8	2.8	-	84.6	-	131.1	-	-
110.0	75.0	-	-	15.8	61.6	2.9	-	-	-	160.0	-	-
110.0	80.0	45.8	5.7	24.5	11.1	115.5	-	430.9	-	-	-	-
110.0	85.0	-	-	17.2	-	-	-	-	-	-	-	-
110.0	90.0	55.4	32.7	68.3	-	-	-	171.6	-	543.8	-	-
110.0	100.0	-	-	-	-	-	-	36.3	-	131.4	-	-
110.0	120.0	-	-	-	-	-	-	17.1	-	30.9	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-	-
113.0	35.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	40.0	10.9	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	45.0	14.1	0.0	0.0	0.0	0.0	43.0	-	-	-	-	-
113.0	50.0	41.5	9.6	10.3	0.0	0.0	18.4	-	-	-	-	-
113.0	55.0	5.5	40.3	0.0	0.0	0.0	50.4	-	-	-	-	-
113.0	60.0	23.9	18.5	0.0	0.0	2.8	233.1	-	-	-	-	-
113.0	65.0	-	-	0.0	2.8	20.1	0.0	-	-	-	-	-
113.0	70.0	97.6	0.0	3.1	0.0	67.0	6.1	-	-	-	-	-
113.0	75.0	-	-	10.1	0.0	0.0	-	-	-	-	-	-
113.0	80.0	27.9	3.4	27.4	44.5	11.4	67.6	-	-	-	-	-
113.0	85.0	-	-	246.4	-	-	-	-	-	-	-	-
113.0	90.0	40.7	-	100.8	-	-	-	-	-	-	-	-
115.0	30.0	-	-	-	-	-	-	-	-	2.8	-	-
117.0	35.0	0.0	0.0	1.6	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	3.0	0.0	0.0	0.0	-	-
117.0	45.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	3.1	30.9	-	-
117.0	50.0	0.0	0.0	0.0	0.0	0.0	22.6	19.4	0.0	-	-	-
117.0	55.0	7.9	0.0	0.0	6.4	0.0	12.3	-	-	-	-	-
117.0	60.0	45.0	2.4	2.0	0.0	0.0	0.0	-	-	-	-	-
117.0	65.0	18.1	0.0	6.0	3.0	4.8	2.9	-	-	-	-	-
117.0	70.0	-	-	23.6	0.0	0.0	29.5	-	-	-	-	-
117.0	75.0	82.8	80.6	0.0	0.0	0.0	14.6	-	-	-	-	-
117.0	80.0	-	-	8.8	0.0	0.0	-	-	-	-	-	-
117.0	85.0	17.0	54.3	16.0	5.6	0.0	581.1	-	-	-	-	-
117.0	90.0	13.0	-	127.5	-	-	-	-	-	-	-	-
118.0	39.0	0.0	0.0	59.8	-	-	-	-	-	-	-	-
119.0	32.5	0.0	0.0	0.0	0.0	0.0	0.0	13.7	5.3	12.4	-	-
120.0	30.0	0.0	9.2	0.0	0.0	0.0	-	1.4	0.0	0.0	-	-
120.0	35.0	2.5	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	-	6.2	0.0	3.0	-	-
120.0	45.0	-	1.4	0.0	0.0	7.2	-	0.0	-	9.4	-	-
120.0	50.0	-	8.7	0.0	5.6	12.3	-	35.7	-	0.0	-	-
120.0	55.0	-	0.0	5.7	0.0	10.3	-	65.1	-	3.0	-	-
120.0	60.0	-	2.9	0.0	0.0	19.4	-	52.6	-	2.9	-	-
120.0	65.0	-	-	6.0	0.0	31.0	-	47.0	-	5.6	-	-
120.0	70.0	-	20.8	6.0	205.6	21.6	-	-	-	-	-	-
120.0	75.0	-	-	25.7	163.4	82.6	-	-	-	-	-	-
120.0	80.0	-	49.2	18.6	-	-	-	151.2	-	26.9	-	-

TABLE 4. (cont.)

*Vinciguerria lucetia* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	85.0			2.7				284.3		267.5		
120.0	90.0	37.5	74.9	39.9				260.6		138.9		
120.0	100.0							11.9		147.8		
120.0	120.0								3.7			
121.0	32.5								1.7			
121.0	35.0											
121.0	37.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0		0.0		
121.0	42.0	1.2	0.0	0.0	0.0	0.0	11.7	8.9		0.0		
123.0	45.0	0.0	0.0	5.4	5.8	0.0		0.0		0.0		
123.0	50.0	4.3	6.3	12.0	10.3	0.0	0.0			3.4		
123.0	55.0	5.6	2.9	2.7	0.0	135.5	18.0					
123.0	60.0	8.7	0.0	0.0	0.0	196.1	9.1					
123.0	70.0	13.0		43.2								
123.0	75.0			21.7								
123.0	80.0			102.9								
127.0	34.0	2.7	0.0	0.0	0.0	2.6	0.0	0.0		6.1		
127.0	40.0	4.2	0.0	2.5	4.1	0.0	11.1	2.4		9.7		
127.0	45.0	9.0	0.0	43.8	0.0	0.0				3.4		
127.0	50.0	21.0	0.0	41.7	42.2	0.0	0.0			6.9		
127.0	55.0	8.3	3.0	16.6	51.5	80.1	5.6					
127.0	60.0	9.7		126.9	73.2	717.2	12.2					
127.0	65.0			16.9								
127.0	70.0	5.8		26.6								
127.0	75.0			184.2								
127.0	80.0	70.5		69.9								
130.0	30.0	1.9	0.0	0.0	0.0	0.0		0.0		1.9		
130.0	35.0	96.6	2.8	0.0	0.0	0.0		8.1		7.6		
130.0	40.0	138.2	2.9	0.0	0.0	0.0		10.1		0.0		
130.0	45.0	26.6	3.4	0.0	0.0	0.0		5.2		52.4		
130.0	50.0	49.1	0.0	164.9	53.8	0.0		14.3		2.6		
130.0	55.0	19.3	5.9	32.5	0.0	8.8		83.5		27.6		
130.0	60.0	37.4	56.0	19.9	11.6	5.8		99.1		14.2		
130.0	70.0							38.2		99.8		
130.0	80.0							7.3		196.7		
130.0	100.0									2.8		
130.0	120.0									77.5		
133.0	30.0	2.6	0.0	2.9	0.0	0.0		38.9				
133.0	35.0	6.7	2.7	0.0	0.0	0.0		98.4				
133.0	40.0	28.6	14.2	0.0	0.0	0.0		35.8				
133.0	45.0	106.6	122.5	0.0	3.2	15.6		87.6				
133.0	50.0	120.5	36.7	0.0				3.6				
133.0	55.0			2.9				51.1				
133.0	60.0			25.8				7.7				
134.0	36.0	80.9	0.0	0.0	0.0	2.6		81.4				
137.0	23.0	2.6	0.0	0.0	0.0	0.0		1.7				
137.0	30.0	35.4	0.0	0.0	0.0	0.0		20.7		2.7		

TABLE 4. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	35.0	8.4	18.3	0.0	0.0	3.0	-	23.2	-	7.9	-	-
137.0	40.0	128.5	22.3	0.0	0.0	0.0	-	12.9	-	2.7	-	-
137.0	45.0	9.0	3.0	0.0	2.7	0.0	-	126.0	-	8.0	-	-
137.0	50.0	55.0	22.1	104.1	-	-	-	182.1	-	5.4	-	-
137.0	55.0	-	-	16.4	-	-	-	68.0	-	110.4	-	-
137.0	60.0	-	-	7.7	-	-	-	59.5	-	207.8	-	-
137.0	70.0	-	-	16.8	-	-	-	-	-	-	-	-
137.0	75.0	-	-	70.7	-	-	-	-	-	-	-	-
137.0	80.0	-	-	69.6	-	-	-	-	-	-	-	-
140.0	30.0	-	-	0.0	-	-	-	0.0	-	-	-	-
140.0	35.0	-	-	0.0	-	-	-	-	-	-	-	-
140.0	40.0	-	-	0.0	-	-	-	-	-	-	-	-
140.0	45.0	-	-	3.0	-	-	-	-	-	-	-	-
140.0	50.0	-	-	39.6	-	-	-	-	-	-	-	-
140.0	55.0	-	-	21.6	-	-	-	-	-	-	-	-
140.0	60.0	-	-	167.0	-	-	-	0.0	-	-	-	-
143.0	26.0	-	-	0.0	-	-	-	-	-	-	-	-
143.0	30.0	-	-	0.0	-	-	-	-	-	-	-	-
143.0	35.0	-	-	3.0	-	-	-	-	-	-	-	-
143.0	40.0	-	-	6.0	-	-	-	-	-	-	-	-
143.0	50.0	-	-	69.7	-	-	-	-	-	-	-	-
143.0	55.0	-	-	127.9	-	-	-	-	-	-	-	-
143.0	60.0	-	-	525.7	-	-	-	-	-	-	-	-
147.0	20.0	-	-	0.0	-	-	-	-	-	-	-	-
147.0	25.0	-	-	0.0	-	-	-	-	-	-	-	-
147.0	30.0	-	-	0.0	-	-	-	-	-	-	-	-
147.0	35.0	-	-	5.9	-	-	-	-	-	-	-	-
147.0	40.0	-	-	58.0	-	-	-	-	-	-	-	-
147.0	45.0	-	-	67.9	-	-	-	-	-	-	-	-
147.0	50.0	-	-	22.7	-	-	-	-	-	-	-	-
147.0	55.0	-	-	20.2	-	-	-	-	-	-	-	-
147.0	60.0	-	-	390.5	-	-	-	-	-	-	-	-
150.0	19.0	-	-	0.0	-	-	-	-	-	-	-	-
150.0	25.0	-	-	0.0	-	-	-	-	-	-	-	-
150.0	30.0	-	-	0.0	-	-	-	-	-	-	-	-
150.0	35.0	-	-	0.0	-	-	-	-	-	-	-	-
150.0	40.0	-	-	32.9	-	-	-	-	-	-	-	-
150.0	45.0	-	-	348.3	-	-	-	-	-	-	-	-
150.0	50.0	-	-	588.9	-	-	-	-	-	-	-	-
150.0	55.0	-	-	-	-	-	-	-	-	-	-	-
150.0	60.0	-	-	-	-	-	-	-	-	-	-	-
153.0	20.0	-	-	0.0	-	-	-	-	-	-	-	-
153.0	25.0	-	-	0.0	-	-	-	-	-	-	-	-
153.0	30.0	-	-	3.1	-	-	-	-	-	-	-	-
153.0	35.0	-	-	11.3	-	-	-	-	-	-	-	-
153.0	40.0	-	-	5.8	-	-	-	-	-	-	-	-
153.0	45.0	-	-	2.7	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Vinciguerria lucetia* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
153.0	40.0	-	-	9.1	-	-	-	-	-	-	-	-
45.0	41.1	-	-	57.2	-	-	-	-	-	-	-	-
153.0	50.0	-	-	173.4	-	-	-	-	-	-	-	-
153.0	76.0	-	-	606.9	-	-	-	-	-	-	-	-
153.0	60.0	-	-	57.4	-	-	-	-	-	-	-	-
153.0	65.0	-	-	37.4	-	-	-	-	-	-	-	-
153.0	70.0	-	-	162.3	-	-	-	-	-	-	-	-
153.0	80.0	-	-	-	-	-	-	-	-	-	-	-
157.0	10.0	-	-	-	-	-	-	-	-	-	-	-
157.0	15.0	-	-	-	-	-	-	-	-	-	-	-
157.0	20.0	-	-	-	-	-	-	-	-	-	-	-
157.0	25.0	-	-	-	-	-	-	-	-	-	-	-
157.0	30.0	-	-	-	-	-	-	-	-	-	-	-
157.0	35.0	-	-	-	-	-	-	-	-	-	-	-
157.0	40.0	-	-	-	-	-	-	-	-	-	-	-
157.0	45.0	-	-	-	-	-	-	-	-	-	-	-
157.0	50.0	-	-	-	-	-	-	-	-	-	-	-
157.0	55.0	-	-	-	-	-	-	-	-	-	-	-
157.0	60.0	-	-	-	-	-	-	-	-	-	-	-
157.0	70.0	-	-	-	-	-	-	-	-	-	-	-
157.0	80.0	-	-	-	-	-	-	-	-	-	-	-

*Sternoptychidae*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	140.0	-	-	-	-	-	0.0	-	2.7	-	-	-
60.0	160.0	-	-	-	-	-	0.0	-	2.7	-	-	-
73.0	53.0	-	-	-	-	-	0.0	-	0.0	-	-	-
80.0	60.0	3.0	2.3	0.0	-	0.0	0.0	-	0.0	-	-	-
80.0	80.0	2.7	0.0	0.0	-	0.0	2.4	-	0.0	-	-	-
80.0	200.0	-	-	-	-	0.0	0.0	0.0	2.2	-	-	-
83.0	51.0	3.1	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
83.0	90.0	3.2	-	0.0	-	-	-	-	-	-	-	-
83.0	100.0	-	-	-	-	-	-	-	-	-	-	-
87.0	85.0	-	-	-	-	-	-	-	-	-	-	-
90.0	80.0	0.0	0.0	2.5	0.0	0.0	3.0	0.0	-	0.0	-	-
90.0	120.0	-	-	0.0	-	-	0.0	3.3	-	2.5	-	-
90.0	140.0	-	-	-	-	-	0.0	-	-	2.8	-	-
90.0	180.0	-	-	-	-	-	8.9	-	0.0	-	-	-
90.0	200.0	-	-	-	-	-	6.5	-	0.0	-	-	-
93.0	35.0	0.0	1.5	-	3.6	0.0	0.0	0.0	-	0.0	-	-
93.0	60.0	0.0	0.0	-	3.2	0.0	0.0	0.0	-	0.0	-	-
97.0	45.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-	0.0	-	-
97.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
97.0	70.0	5.6	0.0	0.0	-	0.0	0.0	-	-	-	-	-



TABLE 4. (cont.)

STATION	Sternoptychidae (cont.)											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	80.0	-	0.0	0.0	-	0.0	2.7	-	-	-	-	-
97.0	90.0	-	0.0	-	0.0	-	-	0.0	-	-	0.0	-
100.0	55.0	-	0.0	-	0.0	-	-	0.0	-	-	0.0	-
100.0	60.0	-	0.0	-	0.0	-	-	0.0	-	-	2.9	-
100.0	65.0	-	-	-	0.0	-	-	0.0	-	-	0.0	-
100.0	70.0	-	1.5	-	0.0	-	-	0.0	-	-	5.7	-
100.0	80.0	-	0.0	-	0.0	-	0.0	0.0	-	-	0.0	-
103.0	35.0	0.0	0.0	0.0	-	-	-	0.0	-	-	-	-
103.0	75.0	-	0.0	0.0	3.0	-	-	0.0	-	-	0.0	-
107.0	32.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-
107.0	60.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	-	-	0.0	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	-	1.3	0.0	-	0.0	-
110.0	80.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	0.0	-
110.0	120.0	-	2.8	-	-	-	-	0.0	-	-	5.6	-
113.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0	55.0	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	3.0	-	-	-	-	-
113.0	70.0	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	-	-	3.1	-
117.0	55.0	0.0	0.0	4.2	0.0	0.0	0.0	-	-	-	-	-
117.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	50.0	0.0	0.0	3.7	0.0	0.0	0.0	-	-	-	0.0	-
120.0	60.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	3.0	-
120.0	65.0	-	-	-	-	-	-	0.0	-	-	2.9	-
120.0	70.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-	0.0	-
123.0	37.0	0.0	2.2	0.0	2.8	0.0	0.0	0.0	-	-	0.0	-
123.0	45.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-	0.0	-
123.0	50.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-
123.0	55.0	0.0	0.0	0.0	0.0	2.5	0.0	-	-	-	-	-
127.0	40.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-
130.0	55.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	2.8	-
130.0	100.0	-	-	-	-	-	-	-	-	-	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-	-
133.0	60.0	0.0	0.0	0.0	0.0	3.0	-	5.2	-	-	0.0	-
137.0	35.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-	0.0	-
137.0	40.0	2.4	0.0	0.0	0.0	-	-	0.0	-	-	0.0	-
137.0	45.0	0.0	0.0	0.0	-	-	-	0.0	-	-	-	-
140.0	45.0	0.0	3.0	-	-	-	-	0.0	-	-	-	-
147.0	60.0	-	8.5	-	-	-	-	-	-	-	-	-
157.0	10.0	-	-	-	-	-	-	-	-	-	-	-

*Chaulioidus macouni*

STATION	Chaulioidus macouni											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	50.0	-	-	-	-	-	-	-	-	-	-	-
40.0	50.0	-	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Chauliodus macouni* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0		0.0		5.4								
40.0		0.0		2.9								
40.0		0.0		2.6								
43.0				2.2								
47.0				2.5								
50.0	0.0			2.0			2.4					
50.0	0.0			2.5								
50.0	0.0			2.2								
53.0	0.0			2.5								
57.0	0.0			0.0			6.1		0.0			
60.0	0.0			0.0			0.0		2.4			
60.0	0.0			2.5			2.7		3.6			
60.0	0.0			0.0			1.3		0.0			
60.0	100.0			0.0					5.3			
63.0	55.0	0.0		2.6					0.0			
63.0	60.0	0.0		0.0					2.8			
67.0	55.0	0.0		0.0					2.6			
70.0	55.0			0.0			0.0		0.0			
70.0	90.0	2.8	2.4	0.0	0.0	0.0	0.0		0.0	0.0		
73.0	60.0	0.0		0.0	2.9							
77.0	65.0	0.0	0.0	0.0	0.0	2.7	0.0		0.0			
80.0	60.0	0.0	0.0	0.0	0.0	0.0	2.7		0.0			
80.0	65.0	0.0		0.0	0.0	0.0	0.0		6.2			
80.0	70.0	0.0	0.0	0.0	0.0	2.5	0.0		0.0			
80.0	80.0	0.0	0.0	0.0	2.6							
80.0	85.0	0.0	0.0	0.0	0.0	0.0	0.0		2.2			
80.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0					
83.0	70.0	0.0	2.8	0.0	2.7		0.0					
83.0	80.0	0.0	3.2	0.0	0.0		0.0					
83.0	85.0	0.0	0.0	3.6	0.0		0.0			0.0		
87.0	60.0	0.0	0.0	0.0	0.0		2.8					
87.0	65.0	0.0	0.0	0.0	0.0							
87.0	75.0	0.0	0.0	0.0	2.6							
90.0	32.0	0.0	0.0	3.1	3.1			0.0				
90.0	65.0	0.0	0.0	2.6	0.0	3.3	0.0	0.0	0.0	0.0		
90.0	70.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0		
90.0	80.0	0.0	0.0	0.0	0.0	3.1	0.0	2.8	0.0	0.0		
90.0	90.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0		
93.0	50.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
93.0	65.0	0.0			3.0	0.0	0.0	0.0	0.0	0.0		
93.0	80.0	0.0	3.1		0.0	0.0	0.0	6.2	0.0	0.0		
93.0	90.0	0.0	0.0		0.0	0.0	2.9	0.0	0.0	0.0		
93.0	100.0	0.0	0.0		0.0	0.0	0.0	2.6	0.0	0.0		
97.0	40.0	0.0	0.0		0.0	0.0	3.0	0.0	0.0	0.0		
97.0	50.0	0.0	0.0	0.0	0.0	0.0	2.8					

TABLE 4. (cont.)

*Chaulioidus macouni* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	60.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	-	-	-
97.0	65.0	0.0	0.0	0.0	2.9	0.0	2.8	-	-	-	-	-
97.0	70.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	-	-	-
97.0	85.0	0.0	0.0	0.0	3.0	3.0	-	3.5	-	0.0	-	-
100.0	50.0	0.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-
100.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.2	-	-
100.0	100.0	0.0	3.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-
107.0	40.0	0.0	0.0	0.0	2.7	0.0	-	0.0	0.0	0.0	-	-
110.0	33.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	-	-
123.0	37.0	-	0.0	0.0	0.0	-	-	-	-	-	-	-

*Idiacanthus antrostomus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	120.0	-	-	-	-	-	9.4	-	0.0	-	-	-
60.0	140.0	-	-	-	-	-	7.0	-	21.5	-	-	-
60.0	160.0	-	-	-	-	-	10.3	-	0.0	-	-	-
60.0	180.0	-	-	-	-	-	27.2	-	5.4	-	-	-
60.0	200.0	-	-	-	-	-	2.9	-	0.0	-	-	-
73.0	80.0	-	-	0.0	-	-	-	-	-	-	-	-
80.0	100.0	-	-	-	-	-	8.7	-	0.0	-	-	-
80.0	120.0	-	-	-	-	-	19.4	-	-	-	-	-
90.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	5.5	-	-
90.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	7.3	-	-
90.0	95.0	0.0	0.0	0.0	3.6	0.0	0.0	-	-	-	-	-
90.0	100.0	0.0	0.0	0.0	3.0	0.0	8.2	5.7	-	11.2	-	-
90.0	120.0	0.0	0.0	0.0	-	-	-	20.1	-	2.5	-	-
93.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.1	-	-
93.0	85.0	0.0	3.0	0.0	0.0	0.0	0.0	-	-	-	-	-
93.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-	5.5	-	-
93.0	100.0	0.0	0.0	0.0	0.0	2.8	14.7	0.0	-	0.0	-	-
97.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
97.0	80.0	2.5	0.0	0.0	0.0	0.0	0.0	-	-	6.2	-	-
100.0	55.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.9	-	-
100.0	80.0	0.0	0.0	0.0	0.0	0.0	-	3.6	-	0.0	-	-
100.0	90.0	0.0	0.0	0.0	0.0	0.0	-	5.0	-	0.0	-	-
100.0	100.0	-	-	-	-	-	-	-	-	7.5	-	-
130.0	120.0	-	-	-	-	-	-	-	-	-	-	-
147.0	60.0	2.6	-	0.0	-	-	-	-	-	-	-	-
157.0	25.0	3.0	-	-	-	-	-	-	-	-	-	-
157.0	45.0	2.4	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Aristostomias scintillans*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 160.0	-	-	-	-	-	-	4.1	-	0.0	-	-	-
70.0 120.0	-	-	-	-	-	-	3.6	-	-	-	-	-
90.0 100.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	-	0.0	-	-
90.0 160.0	-	-	-	-	-	-	3.3	-	-	0.0	-	-
100.0 90.0	3.1	-	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-

*Bathophilus* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 160.0	-	-	-	-	-	-	6.2	-	0.0	-	-	-
70.0 120.0	-	-	-	-	-	-	1.2	-	-	-	-	-
80.0 100.0	-	-	-	-	-	-	4.3	-	0.0	-	-	-
80.0 120.0	-	-	-	-	-	-	3.2	-	-	-	-	-
80.0 200.0	-	-	-	-	-	-	2.4	-	0.0	-	-	-
107.0 80.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-	-	-	-	-
143.0 55.0	2.6	-	-	0.0	-	-	-	-	-	-	-	-
147.0 45.0	0.0	-	-	2.8	-	-	-	-	-	-	-	-
153.0 55.0	0.0	-	-	2.7	-	-	-	-	-	-	-	-
153.0 60.0	2.8	-	-	0.0	-	-	-	-	-	-	-	-

*Tactostoma macropus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0 70.0	-	-	-	-	-	-	2.1	-	0.0	-	-	-
70.0 0.0	-	-	-	-	-	-	10.8	-	-	-	-	-
83.0 70.0	0.0	0.0	0.0	0.0	-	0.0	2.4	-	-	-	-	-
90.0 90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	0.0	-	-
90.0 100.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	-	0.0	-	-
90.0 160.0	-	-	-	-	-	-	3.3	-	-	0.0	-	-
153.0 70.0	0.0	-	-	2.8	-	-	-	-	-	-	-	-

*Stomias atriventer*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0 100.0	-	-	-	-	-	-	6.5	-	0.0	-	-	-
80.0 120.0	-	-	-	-	-	-	6.5	-	-	-	-	-
87.0 90.0	0.0	0.0	8.0	2.1	-	-	-	-	-	-	-	-
90.0 45.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-
93.0 30.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0 50.0	0.0	2.8	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0 60.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0 90.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0 40.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-

TABLE 4. (cont.)

*Stomias atriventer* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	50.0	0.0	0.0	5.3	0.0	0.0	0.0	-	-	0.0	-	-
97.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
97.0	80.0	0.0	1.2	0.0	3.7	0.0	0.0	-	-	-	-	-
97.0	85.0	-	-	8.8	-	0.0	0.0	-	-	-	-	-
97.0	90.0	0.0	2.7	-	-	0.0	-	0.0	-	0.0	-	-
100.0	65.0	-	1.5	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0	70.0	-	-	9.7	-	0.0	-	-	-	-	-	-
100.0	80.0	-	3.4	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0	95.0	-	-	2.7	-	0.0	-	-	-	-	-	-
103.0	35.0	0.0	0.0	1.4	0.0	-	0.0	0.0	0.0	0.0	-	-
103.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	50.0	2.9	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	55.0	3.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	60.0	2.6	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	70.0	-	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	75.0	-	1.4	2.7	0.0	0.0	0.0	-	-	-	-	-
103.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	90.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	32.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	35.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	50.0	0.0	2.2	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	55.0	0.0	11.9	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-	-	-	-
107.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	80.0	0.0	4.7	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	90.0	0.0	-	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-	-
110.0	35.0	0.0	0.0	2.3	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	40.0	0.0	3.2	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	50.0	0.0	4.2	0.0	0.0	2.9	-	0.0	0.0	0.0	-	-
110.0	55.0	0.0	5.7	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	60.0	0.0	8.2	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	70.0	0.0	4.1	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	90.0	0.0	4.8	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
113.0	40.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	45.0	0.0	12.2	5.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	50.0	0.0	3.1	0.0	2.9	2.6	0.0	-	-	-	-	-
113.0	55.0	0.0	3.4	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0	60.0	2.7	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0	70.0	0.0	3.6	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0	80.0	0.0	0.0	0.0	3.4	0.0	0.0	-	-	-	-	-
113.0	90.0	0.0	-	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	0.0	4.3	0.0	0.0	0.0	2.8	0.0	0.0	-	-

TABLE 4. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	45.0	0.0	2.9	0.0	0.0	0.0	5.7	-	-	-	-	-
117.0	50.0	0.0	26.3	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	55.0	0.0	29.2	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	60.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-	-	-	-
117.0	75.0	-	-	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	0.0	-	-
116.0	39.0	0.0	0.0	14.2	0.0	0.0	0.0	1.8	0.0	0.0	-	-
120.0	25.0	0.0	0.0	1.8	0.0	0.0	0.0	1.6	-	0.0	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
120.0	50.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
120.0	55.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
120.0	60.0	0.0	0.0	2.9	0.0	2.7	-	2.2	-	3.0	-	-
120.0	75.0	-	-	0.0	0.0	0.0	-	0.0	-	0.0	-	-
123.0	45.0	2.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
123.0	55.0	1.5	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
123.0	60.0	2.6	0.0	0.0	0.0	0.0	6.0	-	-	-	-	-
123.0	70.0	2.6	0.0	0.0	-	-	-	-	-	-	-	-
127.0	40.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	45.0	2.7	2.6	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	50.0	0.0	2.8	0.0	0.0	0.0	2.9	-	-	0.0	-	-
127.0	55.0	4.1	3.0	0.0	0.0	0.0	2.8	-	-	0.0	-	-
130.0	35.0	0.0	5.5	0.0	0.0	0.0	-	0.0	-	0.0	-	-
130.0	40.0	7.1	2.9	0.0	0.0	0.0	-	0.0	-	2.7	-	-
130.0	45.0	0.0	3.4	0.0	0.0	0.0	-	0.0	-	0.0	-	-
130.0	50.0	1.4	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
130.0	55.0	2.7	0.0	0.0	2.7	5.9	-	0.0	-	0.0	-	-
130.0	60.0	0.0	0.0	0.0	0.0	0.0	-	3.5	-	0.0	-	-
130.0	80.0	-	-	-	-	-	-	0.0	-	2.5	-	-
130.0	120.0	-	-	-	-	-	-	-	-	-	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	-	1.1	-	-	-	-
133.0	35.0	2.8	0.0	0.0	0.0	2.9	-	0.0	-	-	-	-
133.0	40.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-	-
133.0	45.0	8.2	0.0	2.8	-	-	-	0.0	-	-	-	-
133.0	50.0	14.4	3.1	0.0	-	-	-	0.0	-	-	-	-
133.0	55.0	2.7	0.0	0.0	-	-	-	5.4	-	-	-	-
133.0	60.0	2.8	-	-	-	-	-	2.6	-	-	-	-
134.0	36.0	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	-	10.7	-	-
137.0	40.0	0.0	2.1	0.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	45.0	2.8	0.0	0.0	0.0	0.0	-	4.5	-	0.0	-	-
137.0	55.0	0.0	0.0	0.0	-	-	-	2.7	-	0.0	-	-
137.0	60.0	0.0	-	-	-	-	-	2.4	-	-	-	-
140.0	35.0	2.9	-	-	-	-	-	-	-	-	-	-
143.0	60.0	0.0	5.4	0.0	-	-	-	-	-	-	-	-
153.0	45.0	0.0	2.9	0.0	-	-	-	-	-	-	-	-
153.0	55.0	0.0	5.3	0.0	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Stomias atriventer* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
153.0	70.0	0.0	-	2.8	-	-	-	-	-	-	-	-
157.0	25.0	3.0	-	-	-	-	-	-	-	-	-	-
157.0	35.0	2.2	-	-	-	-	-	-	-	-	-	-

## Myctophiformes

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	35.0	0.0	0.0	0.0	0.0	0.0	-	2.5	-	-	-	-
133.0	60.0	0.0	-	0.0	-	-	-	5.2	-	-	-	-

## Evermannellidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	200.0	-	-	-	-	-	0.0	-	2.2	-	-	-
130.0	70.0	-	-	-	-	-	-	3.2	-	-	-	-
130.0	80.0	-	-	-	-	-	-	0.0	-	0.0	2.8	-

## Paralepididae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	55.0	1.4	-	0.0	-	-	-	-	-	-	-	-
40.0	60.0	0.0	-	5.8	-	-	-	-	-	-	-	-
40.0	70.0	2.3	-	7.9	-	-	-	-	-	-	-	-
40.0	80.0	3.2	-	2.7	-	-	-	-	-	-	-	-
53.0	52.0	-	-	0.0	-	-	-	-	-	-	-	-
53.0	60.0	0.0	-	1.6	-	-	-	-	-	-	-	-
57.0	60.0	0.0	-	3.3	-	-	-	-	-	-	-	-
57.0	80.0	0.0	-	-	-	-	-	-	-	-	-	-
60.0	90.0	0.0	-	0.0	-	-	2.7	-	0.0	-	-	-
60.0	100.0	0.0	-	-	-	-	1.3	-	0.0	-	-	-
60.0	140.0	-	-	-	-	-	1.8	-	2.7	-	-	-
60.0	180.0	-	-	-	-	-	6.3	-	0.0	-	-	-
63.0	100.0	2.3	-	-	-	-	1.2	-	-	-	-	-
70.0	120.0	-	-	-	-	-	7.5	-	0.0	-	-	-
70.0	200.0	-	-	-	-	-	-	-	-	-	-	-
73.0	90.0	-	-	7.0	-	-	-	-	-	-	-	-
77.0	60.0	0.0	3.4	-	0.0	0.0	-	-	0.0	0.0	-	-
80.0	60.0	0.0	0.0	0.0	-	0.0	3.2	-	0.0	-	-	-
80.0	90.0	0.0	0.0	0.0	-	0.0	1.5	-	0.0	-	-	-
80.0	100.0	0.0	0.0	-	-	-	4.3	-	0.0	-	-	-
80.0	120.0	-	-	-	-	-	6.5	-	-	-	-	-
80.0	200.0	-	-	-	-	-	0.0	-	4.3	-	-	-
83.0	85.0	-	-	3.9	-	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

## Paralepididae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	55.0	3.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
87.0	85.0	-	0.0	2.5	0.0	0.0	0.0	-	-	0.0	-	-
90.0	80.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
90.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	0.0	0.0	-	-
90.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-
90.0	120.0	-	-	-	-	-	0.0	6.7	0.0	2.5	-	-
90.0	140.0	-	-	-	-	-	6.0	-	0.0	0.0	-	-
90.0	160.0	-	-	-	-	-	3.3	-	2.5	0.0	-	-
90.0	180.0	-	-	-	-	-	0.0	0.0	0.0	0.0	-	-
90.0	200.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
93.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
93.0	70.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
93.0	75.0	-	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
93.0	80.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
93.0	85.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
93.0	90.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-
93.0	95.0	-	0.0	0.0	0.0	0.0	2.9	2.6	0.0	0.0	-	-
93.0	100.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
97.0	60.0	-	4.4	0.0	0.0	0.0	0.0	-	-	-	-	-
97.0	65.0	-	-	6.3	0.0	0.0	0.0	-	-	-	-	-
97.0	70.0	0.0	3.2	8.9	0.0	0.0	0.0	-	-	-	-	-
97.0	75.0	-	2.7	3.0	0.0	0.0	0.0	-	-	-	-	-
97.0	80.0	0.0	6.1	6.1	0.0	0.0	0.0	-	-	-	-	-
97.0	85.0	-	-	11.7	0.0	0.0	0.0	-	-	-	-	-
97.0	90.0	0.0	1.3	-	0.0	0.0	0.0	-	-	-	-	-
100.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	-	-
100.0	60.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
100.0	65.0	-	-	21.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-
100.0	70.0	2.9	1.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-
100.0	75.0	-	-	16.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-
100.0	80.0	0.0	3.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	60.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	60.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	70.0	0.0	0.0	8.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	45.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	50.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	60.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	65.0	-	-	2.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	70.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	75.0	-	-	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	33.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	-	-
110.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	50.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	60.0	0.0	0.0	0.0	0.0	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	2.8	0.0	0.0	-	-
127.0	50.0	-	1.4	0.0	0.0	0.0	0.0	-	-	0.0	-	-



TABLE 4. (cont.)

## Paralepididae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	75.0	-	-	2.7	-	-	-	3.2	-	0.0	-	-
130.0	70.0	-	-	-	-	-	-	0.0	-	2.8	-	-
133.0	80.0	-	-	0.0	-	-	-	0.0	-	-	-	-
133.0	60.0	2.9	-	0.0	-	-	-	0.0	-	5.5	-	-
137.0	55.0	0.0	-	0.0	-	-	-	-	-	-	-	-
137.0	80.0	5.3	-	0.0	-	-	-	-	-	-	-	-
147.0	50.0	2.8	-	0.0	-	-	-	-	-	-	-	-
147.0	55.0	0.0	-	2.9	-	-	-	-	-	-	-	-
153.0	50.0	2.5	-	0.0	-	-	-	-	-	-	-	-
153.0	60.0	30.5	-	5.7	-	-	-	-	-	-	-	-
153.0	70.0	2.5	-	2.8	-	-	-	-	-	-	-	-
157.0	10.0	12.5	-	-	-	-	-	-	-	-	-	-
157.0	15.0	58.2	-	-	-	-	-	-	-	-	-	-
157.0	20.0	15.6	-	-	-	-	-	-	-	-	-	-
157.0	25.0	3.0	-	-	-	-	-	-	-	-	-	-
157.0	30.0	2.6	-	-	-	-	-	-	-	-	-	-
157.0	35.0	2.2	-	-	-	-	-	-	-	-	-	-
157.0	40.0	22.5	-	-	-	-	-	-	-	-	-	-
157.0	45.0	28.3	-	-	-	-	-	-	-	-	-	-
157.0	50.0	18.3	-	-	-	-	-	-	-	-	-	-
157.0	55.0	2.3	-	-	-	-	-	-	-	-	-	-

## Scopelosaurus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	180.0	-	-	-	-	-	2.1	-	0.0	-	-	-
60.0	200.0	-	-	-	-	-	2.9	-	0.0	-	-	-
70.0	120.0	-	-	-	-	-	2.4	-	-	-	-	-
83.0	60.0	0.0	0.0	0.0	0.0	0.0	2.7	-	0.0	0.0	-	-
83.0	65.0	-	-	-	-	2.7	0.0	-	-	-	-	-
83.0	85.0	-	-	-	-	0.0	-	-	-	-	-	-
90.0	90.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
90.0	100.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-
93.0	95.0	-	-	-	6.0	0.0	0.0	-	-	-	-	-
93.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	-	-	-	-
97.0	85.0	-	-	2.9	-	-	-	-	-	-	-	-
97.0	90.0	-	1.3	-	0.0	0.0	-	-	-	-	-	-
113.0	50.0	0.0	0.0	2.6	0.0	0.0	0.0	-	-	-	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	-	3.8	-	0.0	-	-

## Scopelarchidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	160.0	-	-	-	-	-	6.2	-	2.7	-	-	-

TABLE 4. (cont.)

## Scopelarchidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0 120.0	-	-	-	-	-	-	3.2	-	-	-	-	-
80.0 200.0	-	-	-	-	-	-	0.0	-	2.2	-	-	-
87.0 80.0	0.0	0.0	0.0	0.0	-	-	2.7	-	-	-	-	-
90.0 50.0	0.0	2.9	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
90.0 65.0	-	-	-	0.0	3.6	0.0	3.0	-	-	-	-	-
90.0 95.0	-	-	-	-	-	0.0	-	3.3	-	0.0	-	-
90.0 120.0	-	-	-	-	-	-	0.0	-	-	2.8	-	-
90.0 140.0	-	-	-	-	-	-	3.0	-	-	0.0	-	-
90.0 180.0	-	-	-	-	-	-	0.0	-	-	-	-	-
93.0 95.0	-	-	0.0	-	3.0	0.0	-	-	-	-	-	-
93.0 100.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.9	-	-
100.0 60.0	0.0	-	1.4	0.0	0.0	0.0	-	-	-	0.0	-	-
100.0 65.0	-	-	-	3.0	-	0.0	-	0.0	-	0.0	-	-
100.0 70.0	0.0	-	1.5	0.0	0.0	0.0	-	0.0	-	0.0	-	-
100.0 80.0	0.0	-	-	0.0	-	0.0	-	0.0	-	2.9	-	-
100.0 85.0	-	-	-	2.7	-	0.0	-	-	-	-	-	-
100.0 90.0	3.1	-	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0 100.0	-	-	-	-	-	-	-	2.5	-	5.5	-	-
100.0 120.0	-	-	-	-	-	-	-	0.0	0.0	2.9	-	-
103.0 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
103.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
103.0 80.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0 90.0	5.6	-	-	0.0	0.0	0.0	-	-	-	-	-	-
107.0 60.0	2.5	0.0	0.0	0.0	0.0	0.0	2.9	-	-	-	-	-
107.0 65.0	-	-	-	0.0	0.0	0.0	2.7	-	-	-	-	-
107.0 75.0	-	-	-	0.0	2.9	0.0	-	-	-	-	-	-
110.0 65.0	-	-	-	0.0	0.0	0.0	-	-	-	14.3	-	-
110.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	3.0	-	-
110.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.8	-	0.0	-	-
110.0 80.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.7	-	2.8	-	-
110.0 120.0	-	-	-	-	-	-	-	2.8	-	-	-	-
113.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
117.0 45.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	-	-	-
120.0 60.0	-	0.0	0.0	0.0	0.0	0.0	-	2.2	-	0.0	-	-
120.0 80.0	-	1.5	0.0	0.0	0.0	0.0	-	2.8	-	0.0	-	-
120.0 90.0	-	0.0	0.0	0.0	-	-	-	3.1	-	8.2	-	-
120.0 100.0	-	-	-	-	-	-	-	3.0	-	2.6	-	-
120.0 120.0	-	-	-	-	-	-	-	0.0	-	0.0	-	-
123.0 55.0	-	1.5	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0 75.0	-	-	-	2.7	-	-	-	-	-	2.8	-	-
130.0 45.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
130.0 55.0	-	0.0	0.0	0.0	0.0	0.0	-	2.6	-	2.6	-	-
130.0 70.0	-	-	-	-	-	-	-	0.0	-	0.0	-	-
130.0 80.0	-	-	-	-	-	-	-	2.4	-	5.0	-	-
130.0 120.0	-	-	-	-	-	-	-	-	-	-	-	-
147.0 55.0	2.8	-	-	0.0	-	-	-	-	-	-	-	-
150.0 55.0	2.6	-	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

## Scopelarchidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
153.0	25.0	0.0	-	3.1	-	-	-	-	-	-	-	-
153.0	50.0	2.5	-	0.0	-	-	-	-	-	-	-	-
153.0	55.0	2.6	-	0.0	-	-	-	-	-	-	-	-
153.0	70.0	0.0	-	2.8	-	-	-	-	-	-	-	-
157.0	15.0	13.9	-	-	-	-	-	-	-	-	-	-
157.0	20.0	7.8	-	-	-	-	-	-	-	-	-	-
157.0	35.0	2.2	-	-	-	-	-	-	-	-	-	-
157.0	40.0	2.3	-	-	-	-	-	-	-	-	-	-
157.0	45.0	2.4	-	-	-	-	-	-	-	-	-	-
157.0	70.0	2.5	-	-	-	-	-	-	-	-	-	-

## Myctophidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	55.0	-	-	0.0	-	-	-	-	-	-	-	-
40.0	60.0	1.4	-	5.8	-	-	-	-	-	-	-	-
43.0	42.0	0.0	-	5.0	-	-	-	-	-	-	-	-
43.0	55.0	-	-	6.5	-	-	-	-	-	-	-	-
47.0	60.0	-	-	6.6	-	-	-	-	-	-	-	-
47.0	65.0	-	-	0.0	-	-	-	-	-	-	-	-
50.0	55.0	-	-	0.0	-	-	3.7	-	-	-	-	-
50.0	70.0	3.0	-	-	-	-	-	-	-	-	-	-
53.0	55.0	0.0	-	3.1	-	-	-	-	-	-	-	-
53.0	60.0	0.0	-	4.8	-	-	-	-	-	-	-	-
53.0	70.0	0.0	-	2.5	-	-	-	-	-	-	-	-
60.0	52.0	1.8	-	0.0	-	-	0.0	-	0.0	-	-	-
60.0	55.0	2.8	-	0.0	-	-	0.0	-	0.0	-	-	-
60.0	140.0	-	-	-	-	-	1.8	-	0.0	-	-	-
60.0	160.0	-	-	-	-	-	2.0	-	2.7	-	-	-
60.0	180.0	-	-	-	-	-	6.3	-	2.7	-	-	-
60.0	200.0	-	-	-	-	-	2.9	-	2.4	-	-	-
63.0	70.0	0.0	-	11.9	-	-	-	-	-	-	-	-
63.0	80.0	1.6	-	0.0	-	-	-	-	0.0	-	-	-
67.0	50.0	0.0	-	2.4	-	-	-	-	-	-	-	-
67.0	80.0	0.0	-	4.6	-	-	-	-	-	-	-	-
70.0	52.0	0.0	-	4.2	-	-	-	-	-	-	-	-
70.0	70.0	-	-	10.7	-	-	0.0	-	0.0	-	-	-
70.0	90.0	-	-	5.4	-	-	0.0	-	0.0	-	-	-
70.0	120.0	-	-	-	-	-	2.4	-	0.0	-	-	-
73.0	51.0	2.6	0.0	0.0	5.3	0.0	0.0	-	0.0	0.0	-	-
80.0	60.0	0.0	2.3	2.2	-	0.0	0.0	-	0.0	-	-	-
80.0	90.0	0.0	0.0	0.0	-	0.0	3.1	-	0.0	-	-	-
80.0	100.0	0.0	-	-	-	-	8.7	-	0.0	-	-	-
80.0	170.0	-	-	-	-	-	16.1	-	0.0	-	-	-
80.0	200.0	-	-	-	-	-	56.6	-	4.3	-	-	-
83.0	60.0	0.0	0.0	0.0	0.0	0.0	2.7	-	0.0	-	-	-

TABLE 4. (cont.)

## Myctophidae (cont.)

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	2.4	-	-	-	-	-
83-0	90.0	0.0	-	0.0	-	0.0	-	-	-	-	-	-
87-0	40.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	-	0.0	-	-
87-0	60.0	0.0	0.0	3.6	0.0	0.0	0.0	-	-	0.0	-	-
87-0	70.0	0.0	0.0	2.8	-	0.0	-	-	-	-	-	-
87-0	75.0	-	-	2.8	-	2.6	-	-	-	2.0	-	-
90-0	28.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	2.9	-	-
90-0	32.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0	-	-
90-0	37.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	-	0.0	-	-
90-0	50.0	0.0	0.0	0.0	2.5	0.0	-	-	-	0.0	-	-
90-0	60.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	-	0.0	-	-
90-0	65.0	-	-	0.0	0.0	0.0	3.0	-	-	0.0	-	-
90-0	70.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	0.0	-	-
90-0	75.0	0.0	0.0	0.0	6.6	2.8	0.0	-	-	2.8	-	-
90-0	80.0	0.0	0.0	0.0	6.4	0.0	0.0	-	-	0.0	-	-
90-0	90.0	0.0	0.0	3.3	2.8	0.0	0.0	5.7	-	0.0	-	-
90-0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.5	-	-
90-0	120.0	-	-	-	-	-	0.0	0.0	-	5.5	-	-
90-0	140.0	-	-	-	-	-	0.0	-	-	5.7	-	-
90-0	160.0	-	-	-	-	-	3.0	-	-	0.0	-	-
90-0	180.0	-	-	-	-	-	3.3	-	0.0	0.0	-	-
90-0	200.0	-	-	-	-	-	0.0	0.0	-	0.0	-	-
93-0	28.0	0.0	4.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93-0	30.0	0.0	1.4	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93-0	40.0	0.0	1.4	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93-0	45.0	0.0	3.0	-	0.0	0.0	0.0	-	-	0.0	-	-
93-0	65.0	-	3.0	-	0.0	5.9	0.0	-	-	0.0	-	-
93-0	75.0	-	2.8	-	0.0	0.0	0.0	-	-	0.0	-	-
93-0	80.0	0.0	16.2	-	0.0	0.0	5.7	0.0	-	3.1	-	-
93-0	85.0	0.0	5.0	-	8.6	0.0	0.0	0.0	-	5.5	-	-
93-0	90.0	0.0	3.3	-	3.0	0.0	0.0	0.0	-	0.0	-	-
93-0	95.0	-	3.3	-	3.0	3.0	0.0	0.0	-	0.0	-	-
93-0	100.0	0.0	1.3	-	3.0	0.0	5.9	0.0	-	0.0	-	-
97-0	30.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-	0.0	-	-
97-0	32.0	0.0	0.0	2.0	0.0	0.0	8.7	0.0	-	0.0	-	-
97-0	35.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	-	0.0	-	-
97-0	45.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-	0.0	-	-
97-0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.0	-	-
97-0	55.0	0.0	0.0	0.0	0.0	0.0	5.8	-	-	-	-	-
97-0	60.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	-	-	-
97-0	70.0	0.0	0.0	0.0	0.0	0.0	5.5	-	-	-	-	-
97-0	75.0	0.0	0.0	0.0	5.9	0.0	0.0	-	-	-	-	-
97-0	80.0	0.0	1.2	3.0	0.0	0.0	0.0	-	-	-	-	-
97-0	85.0	0.0	8.8	0.0	0.0	0.0	0.0	-	-	-	-	-
100-0	35.0	0.0	1.4	11.0	0.0	0.0	0.0	0.0	-	0.0	-	-
100-0	45.0	0.0	0.0	2.6	3.0	3.0	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

## Myctophidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	50.0	0.0	0.0	0.0	-	0.0	-	0.0	-	3.0	-	-
100.0	55.0	0.0	0.0	0.0	-	3.0	-	0.0	-	3.1	-	-
100.0	65.0	-	-	12.1	-	5.3	-	2.3	-	11.7	-	-
100.0	75.0	-	-	6.4	-	0.0	-	-	-	-	-	-
100.0	80.0	-	-	4.4	-	0.0	-	3.4	-	0.0	-	-
100.0	85.0	-	-	10.6	-	2.6	-	-	-	-	-	-
100.0	90.0	-	-	2.3	-	0.0	-	3.6	-	0.0	-	-
100.0	120.0	-	-	-	-	-	-	0.0	-	11.0	-	-
103.0	35.0	0.0	0.0	4.0	0.0	-	0.0	0.0	0.0	0.0	-	-
103.0	40.0	5.4	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	45.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	-	-	-	-
103.0	50.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-	-	-	-
103.0	55.0	0.0	0.0	4.3	0.0	0.0	0.0	-	-	-	-	-
103.0	60.0	0.0	0.0	0.0	0.0	2.8	22.6	-	-	-	-	-
103.0	65.0	-	-	3.5	0.0	2.8	0.0	-	-	-	-	-
103.0	75.0	-	-	0.0	0.0	12.1	0.0	-	-	-	-	-
103.0	80.0	0.0	0.0	5.5	0.0	-	0.0	-	-	-	-	-
103.0	90.0	5.6	0.0	0.0	0.0	-	0.0	-	-	-	-	-
107.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-
107.0	35.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	50.0	0.0	2.2	2.9	2.8	6.2	0.0	-	-	-	-	-
107.0	60.0	0.0	4.4	0.0	0.0	0.0	11.4	-	-	-	-	-
107.0	65.0	-	-	0.0	0.0	3.0	5.4	-	-	-	-	-
107.0	70.0	0.0	0.0	9.4	2.6	0.0	0.0	-	-	-	-	-
107.0	75.0	-	-	5.7	0.0	0.0	0.0	-	-	-	-	-
107.0	80.0	0.0	0.0	2.8	0.0	0.0	2.9	-	-	-	-	-
110.0	33.0	0.0	0.0	0.0	0.0	4.8	-	0.0	4.0	0.0	-	-
110.0	35.0	0.0	0.0	0.0	0.0	12.2	-	0.0	0.0	0.0	-	-
110.0	40.0	0.0	0.0	2.6	0.0	6.1	-	0.0	0.0	0.0	-	-
110.0	45.0	0.0	1.8	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	50.0	0.0	0.0	0.0	6.1	0.0	-	0.0	0.0	3.0	-	-
110.0	55.0	0.0	0.0	0.0	0.0	9.2	-	0.0	0.0	2.8	-	-
110.0	60.0	5.7	0.0	0.0	0.0	2.6	-	19.6	0.0	19.8	-	-
110.0	65.0	-	-	0.0	0.0	0.0	-	13.6	0.0	0.0	-	-
110.0	70.0	0.0	0.0	2.6	2.8	0.0	-	0.0	0.0	0.0	-	-
110.0	75.0	0.0	0.0	5.3	0.0	0.0	-	2.7	0.0	5.1	-	-
110.0	80.0	0.0	0.0	0.0	0.0	3.0	-	0.0	0.0	0.0	-	-
110.0	90.0	11.1	0.0	0.0	-	-	-	0.0	0.0	0.0	-	-
110.0	100.0	-	-	-	-	-	-	0.0	0.0	2.8	-	-
110.0	120.0	-	-	-	-	-	-	0.0	0.0	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-
113.0	40.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	55.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	60.0	0.0	0.0	0.0	10.4	0.0	0.0	-	-	-	-	-
113.0	65.0	-	-	0.0	2.8	2.9	2.8	-	-	-	-	-
113.0	70.0	0.0	0.0	0.0	0.0	13.4	0.0	-	-	-	-	-

TABLE 4. (cont.)

## Myctophidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	80.0	8.3	0.0	0.0	10.3	5.7	2.9	-	-	-	-	-
113.0	90.0	-	-	0.0	-	-	-	0.0	0.0	2.6	-	-
115.0	35.0	-	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	-	-
117.0	45.0	0.0	0.0	3.9	0.0	0.0	0.0	-	-	-	-	-
117.0	55.0	0.0	0.0	27.0	0.0	2.4	0.0	-	-	-	-	-
117.0	60.0	0.0	0.0	3.9	0.0	0.0	0.0	-	-	-	-	-
117.0	65.0	5.0	0.0	4.4	0.0	0.0	0.0	-	-	-	-	-
117.0	70.0	0.0	0.0	0.0	0.0	0.0	5.8	-	-	-	-	-
117.0	80.0	0.0	0.0	2.7	-	-	-	-	-	-	-	-
117.0	90.0	-	0.0	0.0	0.0	2.6	0.0	0.0	2.4	3.1	-	-
118.0	39.0	0.0	0.0	0.0	0.0	-	-	0.0	-	0.0	-	-
118.5	30.0	0.0	0.0	0.0	0.0	1.3	-	0.0	-	0.0	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
120.0	45.0	0.0	0.0	8.3	0.0	0.0	-	6.0	-	3.0	-	-
120.0	55.0	1.5	2.9	0.0	0.0	0.0	-	10.2	-	0.0	-	-
120.0	60.0	0.0	5.5	0.0	0.0	0.0	-	2.2	-	3.0	-	-
120.0	70.0	0.0	2.8	0.0	0.0	0.0	-	0.0	-	0.0	-	-
120.0	80.0	2.2	2.9	0.0	-	-	-	2.8	-	3.0	-	-
120.0	90.0	-	-	0.0	-	-	-	0.0	-	0.0	-	-
120.0	100.0	-	-	0.0	-	-	-	2.5	-	5.2	-	-
123.0	37.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
123.0	50.0	1.4	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	15.5	0.0	-	-	0.0	-	-
123.0	50.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-	0.0	-	-
127.0	45.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	50.0	0.0	3.0	0.0	7.9	0.0	0.0	0.0	-	0.0	-	-
127.0	55.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	60.0	0.0	0.0	0.0	2.7	7.7	0.0	-	-	-	-	-
127.0	75.0	-	-	2.7	-	-	-	-	-	-	-	-
130.0	35.0	4.2	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
130.0	40.0	0.0	5.9	0.0	0.0	2.8	-	0.0	-	0.0	-	-
130.0	45.0	1.4	0.0	0.0	0.0	0.0	-	2.6	-	2.8	-	-
130.0	50.0	1.4	0.0	0.0	3.0	0.0	-	0.0	-	0.0	-	-
130.0	55.0	2.8	0.0	0.0	0.0	2.9	-	0.0	-	11.0	-	-
130.0	70.0	-	-	-	-	-	-	0.0	-	2.6	-	-
130.0	80.0	-	-	-	-	-	-	2.4	-	0.0	-	-
130.0	100.0	-	-	-	-	-	-	0.0	-	2.5	-	-
130.0	120.0	-	-	-	-	-	-	-	-	-	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	4.6	-	-	-	-
133.0	35.0	0.0	0.0	0.0	0.0	0.0	-	12.3	-	-	-	-
133.0	40.0	0.0	0.0	0.0	0.0	2.6	-	0.0	-	-	-	-
133.0	45.0	2.4	12.6	0.0	0.0	0.0	-	16.9	-	-	-	-
133.0	50.0	0.0	0.0	0.0	0.0	-	-	10.8	-	-	-	-
133.0	50.0	8.1	0.0	0.0	-	-	-	10.8	-	-	-	-
133.0	55.0	0.0	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

## Myctophidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	60.0	0.0	-	8.6	-	-	-	0.0	-	-	-	-
134.0	36.0	0.0	0.0	2.8	0.0	2.6	-	25.0	-	2.6	-	-
137.0	30.0	0.0	2.8	0.0	0.0	0.0	-	1.3	-	5.3	-	-
137.0	35.0	0.0	61.0	0.0	0.0	0.0	-	0.0	-	5.4	-	-
137.0	40.0	7.8	3.2	0.0	0.0	0.0	-	2.6	-	0.0	-	-
137.0	45.0	2.8	0.0	0.0	-	-	-	2.3	-	0.0	-	-
137.0	50.0	0.0	5.5	5.3	-	-	-	13.2	-	2.8	-	-
137.0	55.0	0.0	-	0.0	-	-	-	0.0	-	0.0	-	-
137.0	60.0	0.0	-	5.1	-	-	-	2.4	-	0.0	-	-
137.0	70.0	2.3	-	2.5	-	-	-	-	-	-	-	-
137.0	75.0	-	-	5.2	-	-	-	-	-	-	-	-
137.0	80.0	0.0	-	8.7	-	-	-	-	-	-	-	-
140.0	30.0	0.0	-	2.7	-	-	-	0.0	-	-	-	-
140.0	50.0	0.0	-	3.0	-	-	-	-	-	-	-	-
140.0	55.0	2.7	-	16.2	-	-	-	-	-	-	-	-
140.0	60.0	0.0	-	3.0	-	-	-	-	-	-	-	-
143.0	30.0	0.0	-	0.0	-	-	-	-	-	-	-	-
143.0	40.0	2.7	-	7.7	-	-	-	-	-	-	-	-
143.0	50.0	0.0	-	5.6	-	-	-	-	-	-	-	-
143.0	55.0	0.0	-	8.1	-	-	-	-	-	-	-	-
143.0	60.0	0.0	-	0.0	-	-	-	-	-	-	-	-
147.0	35.0	2.8	-	0.0	-	-	-	-	-	-	-	-
147.0	40.0	0.0	-	11.6	-	-	-	-	-	-	-	-
147.0	50.0	14.1	-	0.0	-	-	-	-	-	-	-	-
147.0	60.0	0.0	-	11.3	-	-	-	-	-	-	-	-
150.0	30.0	4.8	-	0.0	-	-	-	-	-	-	-	-
150.0	40.0	0.0	-	2.7	-	-	-	-	-	-	-	-
150.0	50.0	2.7	-	15.1	-	-	-	-	-	-	-	-
153.0	35.0	0.0	-	0.0	-	-	-	-	-	-	-	-
153.0	45.0	0.0	-	8.6	-	-	-	-	-	-	-	-
153.0	50.0	0.0	-	6.0	-	-	-	-	-	-	-	-
153.0	55.0	2.6	-	0.0	-	-	-	-	-	-	-	-
153.0	60.0	5.5	-	0.0	-	-	-	-	-	-	-	-
153.0	65.0	-	-	2.9	-	-	-	-	-	-	-	-
153.0	70.0	0.0	-	8.3	-	-	-	-	-	-	-	-
157.0	10.0	3.1	-	-	-	-	-	-	-	-	-	-
157.0	15.0	13.9	-	-	-	-	-	-	-	-	-	-
157.0	20.0	7.8	-	-	-	-	-	-	-	-	-	-
157.0	30.0	2.6	-	-	-	-	-	-	-	-	-	-
157.0	35.0	15.3	-	-	-	-	-	-	-	-	-	-
157.0	50.0	2.6	-	-	-	-	-	-	-	-	-	-
157.0	55.0	2.3	-	-	-	-	-	-	-	-	-	-
157.0	70.0	12.6	-	-	-	-	-	-	-	-	-	-
157.0	80.0	4.1	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Ceratoscopelus townsendi*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	140.0	-	-	-	-	-	3.5	-	61.9	-	-	-
60.0	160.0	-	-	-	-	-	73.8	-	13.4	-	-	-
60.0	180.0	-	-	-	-	-	10.4	-	27.1	-	-	-
60.0	200.0	-	-	-	-	-	17.5	-	21.7	-	-	-
70.0	120.0	-	-	-	-	-	13.2	-	-	-	-	-
70.0	200.0	-	-	-	-	-	35.1	-	2.5	-	-	-
80.0	90.0	0.0	0.0	0.0	0.0	0.0	1.5	-	2.2	-	-	-
80.0	100.0	-	-	-	-	-	47.7	-	0.0	-	-	-
80.0	120.0	-	-	-	-	-	3.2	-	-	-	-	-
80.0	200.0	-	-	-	-	-	63.7	-	36.6	-	-	-
83.0	60.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	0.0	-	-
83.0	65.0	0.0	0.0	0.0	0.0	0.0	3.1	-	-	0.0	-	-
90.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	-	2.4	-	-
90.0	95.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
90.0	100.0	5.4	0.0	0.0	0.0	0.0	2.7	11.4	-	0.0	-	-
90.0	120.0	-	-	-	-	-	0.0	3.3	-	2.5	-	-
90.0	140.0	-	-	-	-	-	2.8	-	-	27.5	-	-
90.0	160.0	-	-	-	-	-	13.3	-	-	17.0	-	-
90.0	180.0	-	-	-	-	-	113.2	-	-	19.9	-	-
90.0	200.0	-	-	-	-	-	19.6	-	0.0	-	-	-
93.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	-	0.0	-	-
93.0	100.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	-	0.0	-	-
97.0	60.0	0.0	1.6	0.0	0.0	0.0	0.0	-	-	-	-	-
97.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
97.0	85.0	-	-	-	-	-	0.0	-	-	-	-	-
97.0	90.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-
100.0	50.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	-	0.0	-	-
100.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	0.0	-	-
100.0	65.0	-	-	-	-	-	0.0	-	-	21.7	-	-
100.0	70.0	-	-	-	-	-	2.6	0.0	-	35.2	-	-
100.0	75.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	-	13.0	-	-
100.0	80.0	-	-	9.7	0.0	0.0	-	0.0	-	-	-	-
100.0	85.0	0.0	1.1	0.0	0.0	0.0	-	0.0	-	5.7	-	-
100.0	90.0	0.0	5.5	2.3	0.0	0.0	-	0.0	-	3.3	-	-
100.0	100.0	-	-	-	-	-	-	82.5	-	0.0	-	-
100.0	120.0	-	-	-	-	-	-	20.7	-	13.8	-	-
103.0	60.0	0.0	0.0	0.0	0.0	0.0	11.3	-	-	-	-	-
103.0	65.0	-	1.7	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	70.0	-	4.4	0.0	3.0	0.0	0.0	-	-	-	-	-
103.0	75.0	-	0.0	0.0	3.0	0.0	-	-	-	-	-	-
103.0	80.0	0.0	8.2	3.0	0.0	0.0	2.7	-	-	-	-	-
103.0	85.0	-	5.2	0.0	-	-	-	-	-	-	-	-
103.0	90.0	0.0	2.4	0.0	-	-	-	-	-	-	-	-
107.0	60.0	0.0	0.0	0.0	0.0	0.0	8.6	-	-	-	-	-
107.0	70.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	-	-	-



TABLE 4. (cont.)

*Ceratoscopelus townsendi* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	80.0	0.0	2.8	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0
110.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	5.7	5.7	0.0
110.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	75.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	5.1	5.1	0.0
110.0	90.0	0.0	0.0	5.1	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0
110.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	5.6	5.6	0.0
110.0	120.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0
113.0	55.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.0	60.0	2.7	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
113.0	80.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.0	90.0	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.0	70.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.0	80.0	15.8	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0
117.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	45.0	0.6	0.0	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	0.0	2.5	0.0	0.0	0.0	0.0
120.0	60.0	0.0	0.0	2.9	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0
120.0	75.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	80.0	8.4	0.0	0.0	0.0	2.8	0.0	2.8	0.0	0.0	0.0	0.0
120.0	90.0	2.4	0.0	0.0	0.0	0.0	0.0	7.6	0.0	5.5	5.5	0.0
120.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	31.4	0.0	31.4	31.4	0.0
120.0	120.0	0.0	0.0	0.0	0.0	0.0	0.0	35.8	0.0	2.6	2.6	0.0
123.0	60.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
123.0	80.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	0.0
127.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	0.0
127.0	60.0	0.0	0.0	0.0	2.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0
127.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.0	80.0	0.0	0.0	12.9	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	1.3	0.0	0.0	0.0	0.0
130.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	5.1	5.1	0.0
130.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	24.9	24.9	0.0
130.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	8.3	0.0
130.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5	17.5	0.0
133.0	120.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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	0.0	0.0	0.0
133.0	45.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.0	55.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.0	0.0	0.0	0.0
134.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134.0	60.0	2.8	0.0	0.0	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	0.0	0.0	0.0	0.0	2.6	2.6	0.0

TABLE 4. (cont.)

*Ceratoscopelus townsendi* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	40.0	0.0	0.0	0.0	0.0	0.0	-	2.6	-	2.7	-	-
137.0	45.0	0.0	0.0	0.0	-	-	-	11.3	-	0.0	-	-
137.0	50.0	0.0	0.0	0.0	-	-	-	19.9	-	0.0	-	-
137.0	55.0	0.0	-	0.0	-	-	-	16.3	-	2.8	-	-
137.0	60.0	2.7	-	0.0	-	-	-	0.0	-	0.0	-	-
140.0	45.0	0.0	-	3.0	-	-	-	-	-	-	-	-
140.0	55.0	0.0	-	2.7	-	-	-	-	-	-	-	-
140.0	60.0	2.7	-	0.0	-	-	-	-	-	-	-	-
147.0	60.0	2.6	-	2.8	-	-	-	-	-	-	-	-
153.0	40.0	2.9	-	0.0	-	-	-	-	-	-	-	-
157.0	15.0	2.8	-	-	-	-	-	-	-	-	-	-
157.0	70.0	7.6	-	-	-	-	-	-	-	-	-	-

*Diaphus* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	60.0	0.0	-	2.9	-	-	-	-	-	-	-	-
40.0	70.0	0.0	-	60.7	-	-	-	-	-	-	-	-
40.0	80.0	0.0	-	5.5	-	-	-	-	-	-	-	-
40.0	90.0	0.0	-	9.0	-	-	-	-	-	-	-	-
43.0	55.0	-	-	4.4	-	-	-	-	-	-	-	-
43.0	90.0	-	-	70.5	-	-	-	-	-	-	-	-
47.0	60.0	-	-	6.6	-	-	-	-	-	-	-	-
47.0	90.0	-	-	47.5	-	-	-	-	-	-	-	-
50.0	55.0	0.0	-	0.0	-	-	86.0	-	-	-	-	-
50.0	80.0	0.0	-	14.8	-	-	-	-	-	-	-	-
50.0	90.0	0.0	-	33.7	-	-	-	-	-	-	-	-
53.0	60.0	0.0	-	8.0	-	-	-	-	-	-	-	-
53.0	70.0	0.0	-	15.2	-	-	-	-	-	-	-	-
60.0	70.0	0.0	-	9.9	-	-	0.0	-	0.0	-	-	-
60.0	80.0	0.0	-	0.0	-	-	5.4	-	0.0	-	-	-
60.0	90.0	0.0	-	2.5	-	-	6.5	-	0.0	-	-	-
60.0	100.0	0.0	-	-	-	-	26.0	-	0.0	-	-	-
60.0	120.0	-	-	-	-	-	12.3	-	0.0	-	-	-
60.0	160.0	-	-	-	-	-	10.4	-	0.0	-	-	-
60.0	180.0	-	-	-	-	-	0.0	-	0.0	-	-	-
60.0	200.0	-	-	-	-	-	-	-	7.2	-	-	-
63.0	60.0	0.0	-	5.1	-	-	-	-	0.0	-	-	-
70.0	80.0	0.0	-	0.0	-	-	6.1	-	0.0	-	-	-
70.0	100.0	0.0	-	-	-	-	0.0	-	2.8	-	-	-
70.0	200.0	-	-	-	-	-	10.0	-	0.0	-	-	-
80.0	65.0	-	-	0.0	-	5.8	0.0	-	0.0	-	-	-
80.0	70.0	0.0	-	0.0	-	2.4	0.0	-	0.0	-	-	-
80.0	75.0	-	-	0.0	-	7.7	-	-	3.1	-	-	-
80.0	80.0	0.0	0.0	0.0	-	0.0	0.0	-	2.7	-	-	-

TABLE 4. (cont.)

*Diaphus spp. (cont.)*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	90.0	0.0	0.0	0.0	-	0.0	0.0	-	2.2	-	-	-
80.0	100.0	-	-	-	-	95.5	3.2	-	0.0	-	-	-
80.0	120.0	-	-	-	-	0.0	0.0	-	2.2	-	-	-
80.0	200.0	-	-	-	-	5.5	2.4	-	-	0.0	-	-
83.0	60.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-
83.0	70.0	0.0	0.0	0.0	0.0	5.5	-	-	-	-	-	-
83.0	75.0	-	-	-	-	2.7	0.0	-	-	-	-	-
83.0	85.0	-	-	-	-	2.8	0.0	-	-	0.0	-	-
87.0	60.0	0.0	0.0	2.8	0.0	5.2	-	-	-	-	-	-
87.0	75.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	0.0	-	-
90.0	60.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	2.7	-	-
90.0	70.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	-	2.8	-	-
90.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	0.0	-	-
90.0	100.0	0.0	0.0	0.0	0.0	-	-	3.3	-	-	-	-
90.0	120.0	-	-	-	-	0.0	0.0	-	-	8.3	-	-
90.0	140.0	-	-	-	-	10.0	6.0	-	-	5.7	-	-
90.0	160.0	-	-	-	-	3.3	-	-	2.5	0.0	-	-
90.0	180.0	-	-	-	-	2.8	0.0	0.0	-	0.0	-	-
93.0	80.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	0.0	-	-
93.0	90.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	-	0.0	-	-
100.0	55.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-	0.0	-	-
100.0	100.0	-	-	-	-	2.8	-	-	-	-	-	-
103.0	70.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	-	-	-
107.0	50.0	0.0	0.0	0.0	0.0	2.3	0.0	-	-	-	-	-
107.0	60.0	0.0	0.0	0.0	0.0	5.5	0.0	-	-	-	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	-	2.5	0.0	0.0	-	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	-	5.6	0.0	0.0	-	-
110.0	90.0	0.0	0.0	0.0	0.0	-	-	3.0	0.0	0.0	-	-
110.0	100.0	0.0	0.0	0.0	0.0	-	-	2.8	0.0	0.0	-	-
117.0	50.0	0.0	0.0	0.0	0.0	3.1	-	-	-	-	-	-
117.0	80.0	0.0	0.0	0.0	0.0	2.9	-	-	-	7.5	-	-
130.0	120.0	-	-	-	-	-	-	-	-	-	-	-
147.0	20.0	24.5	-	-	-	-	-	-	-	-	-	-
147.0	40.0	2.7	-	-	-	-	-	-	-	-	-	-
147.0	60.0	12.9	-	-	-	-	-	-	-	-	-	-
150.0	25.0	5.9	-	-	-	-	-	-	-	-	-	-
157.0	20.0	2.6	-	-	-	-	-	-	-	-	-	-

*Lampadena urophaos*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	200.0	-	-	-	-	-	2.9	-	0.0	-	-	-
90.0	180.0	-	-	-	-	-	3.0	-	-	0.0	-	-
100.0	65.0	-	-	0.0	-	0.0	-	0.0	-	29.3	-	-

TABLE 4. (cont.)

*Lampadena urophaos* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	70.0	0.0	0.0	0.0	-	0.0	-	0.0	-	7.8	-	-
100.0	80.0	0.0	0.0	0.0	-	0.0	-	0.0	-	8.6	-	-
100.0	90.0	0.0	0.0	0.0	-	0.0	-	0.0	-	3.3	-	-
100.0	100.0	-	-	-	-	-	-	2.5	-	0.0	-	-
107.0	60.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-	-	-	-
107.0	70.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	22.8	-	-
110.0	65.0	-	-	-	-	-	-	6.0	-	11.7	-	-
110.0	90.0	-	-	-	-	-	-	5.6	-	0.0	-	-
110.0	100.0	-	-	-	-	-	-	2.8	-	-	-	-
110.0	120.0	-	-	-	-	-	-	-	-	-	-	-
113.0	70.0	0.0	0.0	0.0	0.0	0.0	6.1	-	-	-	-	-
117.0	55.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	70.0	2.7	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	50.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
120.0	55.0	-	0.0	0.0	0.0	0.0	-	2.5	-	0.0	-	-
120.0	70.0	-	0.0	0.0	0.0	0.0	-	2.9	-	0.0	-	-
120.0	80.0	-	0.0	0.0	0.0	0.0	-	2.8	-	3.0	-	-
120.0	90.0	-	2.2	0.0	0.0	0.0	-	0.0	-	0.0	-	-
120.0	100.0	-	-	-	-	-	-	7.6	-	0.0	-	-
123.0	55.0	-	0.0	0.0	0.0	2.5	0.0	-	-	-	-	-
123.0	80.0	-	0.0	8.3	0.0	0.0	0.0	-	-	-	-	-
127.0	40.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	9.7	-	-
127.0	50.0	-	0.0	2.8	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	55.0	-	0.0	0.0	0.0	2.7	0.0	-	-	-	-	-
127.0	60.0	-	0.0	0.0	0.0	7.7	0.0	-	-	-	-	-
127.0	80.0	-	0.0	2.6	0.0	-	-	-	-	-	-	-
130.0	45.0	-	0.0	0.0	0.0	0.0	-	0.0	-	22.1	-	-
130.0	50.0	-	0.0	0.0	0.0	0.0	-	0.0	-	2.6	-	-
130.0	70.0	-	-	-	-	-	-	6.4	-	0.0	-	-
130.0	80.0	-	-	-	-	-	-	0.0	-	8.3	-	-
133.0	60.0	-	-	2.9	-	-	-	5.2	-	-	-	-
137.0	45.0	0.0	0.0	0.0	-	-	-	4.5	-	0.0	-	-
137.0	50.0	0.0	0.0	0.0	-	-	-	19.9	-	0.0	-	-
137.0	55.0	0.0	0.0	0.0	-	-	-	10.9	-	0.0	-	-
137.0	60.0	0.0	-	0.0	-	-	-	4.8	-	0.0	-	-
137.0	80.0	2.6	-	0.0	-	-	-	-	-	-	-	-
143.0	60.0	0.0	-	2.7	-	-	-	-	-	-	-	-
153.0	70.0	0.0	-	2.8	-	-	-	-	-	-	-	-

*Lampanyctus* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	100.0	2.2	-	-	-	-	-	-	-	-	-	-
53.0	60.0	0.0	-	4.8	-	-	-	-	-	-	-	-
53.0	70.0	0.0	-	5.1	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Iampanyctus* spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	70.0	0.0	-	3.3	-	-	2.5	-	0.0	-	-	-
60.0	80.0	1.8	-	0.0	-	-	0.0	-	6.5	-	-	-
60.0	90.0	0.0	-	0.0	-	-	2.7	-	0.0	-	-	-
60.0	100.0	0.0	-	-	-	-	1.3	-	6.2	-	-	-
60.0	160.0	-	-	-	-	-	22.5	-	0.0	-	-	-
60.0	180.0	-	-	-	-	-	6.3	-	5.4	-	-	-
60.0	200.0	-	-	-	-	-	2.9	-	7.2	-	-	-
63.0	57.0	1.8	-	-	-	-	-	-	0.0	-	-	-
63.0	60.0	0.0	-	2.6	-	-	-	-	0.0	-	-	-
63.0	90.0	-	-	2.5	-	-	3.0	-	0.0	-	-	-
70.0	80.0	-	-	0.0	-	-	1.2	-	0.0	-	-	-
70.0	120.0	-	-	-	-	-	10.0	-	0.0	-	-	-
70.0	200.0	-	-	0.0	-	0.0	1.5	-	0.0	-	-	-
80.0	50.0	0.0	0.0	0.0	-	-	4.7	-	8.6	-	-	-
87.0	55.0	0.0	0.0	0.0	0.0	0.0	3.3	-	-	0.0	-	-
87.0	60.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	0.0	-	-
87.0	65.0	0.0	0.0	3.5	0.0	0.0	0.0	-	-	-	-	-
87.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
87.0	90.0	3.1	0.0	0.0	-	-	-	-	-	-	-	-
90.0	28.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	45.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	70.0	0.0	0.0	0.0	3.0	0.0	0.0	2.8	-	0.0	-	-
90.0	90.0	2.8	0.0	3.3	0.0	0.0	0.0	5.5	-	0.0	-	-
90.0	100.0	5.7	0.0	0.0	0.0	0.0	0.0	6.7	-	0.0	-	-
90.0	120.0	-	-	0.0	-	-	13.3	-	-	0.0	-	-
90.0	160.0	-	-	-	-	-	14.9	-	-	8.5	-	-
90.0	180.0	-	-	-	-	-	0.0	-	-	2.7	-	-
93.0	55.0	0.0	1.6	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	60.0	8.1	0.0	-	0.0	0.0	3.0	0.0	-	0.0	-	-
93.0	70.0	2.8	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	85.0	-	0.0	-	0.0	2.7	-	-	-	-	-	-
93.0	90.0	0.0	1.6	-	0.0	0.0	2.9	-	-	0.0	-	-
93.0	100.0	0.0	1.5	-	0.0	11.1	0.0	0.0	-	0.0	-	-
97.0	40.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	50.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	55.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	0.0	-	-
97.0	60.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-	-	-	-
97.0	70.0	0.0	0.8	0.0	0.0	0.0	0.0	-	-	-	-	-
97.0	85.0	0.0	5.9	0.0	11.0	0.0	0.0	-	-	-	-	-
100.0	35.0	0.0	0.0	2.8	0.0	0.0	-	0.0	-	0.0	-	-
100.0	45.0	0.0	0.0	0.0	3.0	0.0	-	0.0	-	0.0	-	-
100.0	55.0	0.0	2.4	0.0	0.0	0.0	-	2.6	-	0.0	-	-
100.0	60.0	0.0	1.2	0.0	0.0	0.0	-	0.0	-	0.0	-	-
100.0	65.0	0.0	3.0	0.0	0.0	0.0	-	2.3	-	0.0	-	-

TABLE 4. (cont.)

*Lampanyctus* spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100-0	70.0	0.0	0.0	0.0	-	0.0	-	0.0	-	7.8	-	-
100-0	80.0	0.0	0.0	0.0	-	2.2	-	6.8	-	0.0	-	-
100-0	85.0	-	-	2.7	-	2.6	-	-	-	-	-	-
100-0	120.0	-	-	-	-	-	-	5.2	-	0.0	-	-
103-0	50.0	5.7	0.0	0.0	0.0	0.0	3.2	-	-	-	-	-
103-0	60.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	-	-	-
103-0	70.0	19.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103-0	75.0	-	2.6	2.6	0.0	0.0	-	-	-	-	-	-
103-0	80.0	-	1.4	12.0	0.0	0.0	0.0	-	-	-	-	-
103-0	90.0	0.0	2.4	2.4	-	-	-	-	-	-	-	-
107-0	45.0	0.0	0.0	2.1	0.0	0.0	0.0	-	-	-	-	-
107-0	50.0	0.0	6.1	0.0	0.0	0.0	0.0	-	-	-	-	-
107-0	55.0	2.2	0.0	0.0	0.0	0.0	2.9	-	-	-	-	-
107-0	60.0	8.8	0.0	2.9	0.0	0.0	8.6	-	-	-	-	-
107-0	65.0	-	0.0	0.0	0.0	3.0	0.0	-	-	-	-	-
107-0	70.0	0.0	0.0	7.0	0.0	0.0	0.0	-	-	-	-	-
107-0	90.0	11.8	0.0	0.0	-	-	-	1.4	0.0	0.0	-	-
110-0	33.0	0.0	0.0	1.5	0.0	0.0	-	0.0	0.0	0.0	-	-
110-0	35.0	0.0	0.0	0.0	0.0	3.0	-	0.0	2.5	0.0	-	-
110-0	55.0	0.0	9.9	5.1	0.0	0.0	-	0.0	0.0	0.0	-	-
110-0	60.0	0.0	0.0	0.0	0.0	0.0	-	5.6	0.0	0.0	-	-
110-0	65.0	-	0.0	0.0	0.0	0.0	-	0.0	0.0	2.8	-	-
110-0	70.0	0.0	0.0	0.0	0.0	2.8	-	0.0	-	3.0	-	-
110-0	75.0	-	0.0	5.3	0.0	0.0	-	0.0	-	-	-	-
110-0	90.0	0.0	0.0	0.0	-	-	-	3.0	0.0	7.9	-	-
110-0	100.0	-	-	-	-	-	-	0.0	0.0	0.0	-	-
113-0	40.0	5.4	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	55.0	0.0	5.0	0.0	0.0	0.0	0.0	-	-	-	-	-
113-0	60.0	0.0	2.1	0.0	0.0	0.0	0.0	-	-	-	-	-
113-0	70.0	2.7	1.2	0.0	0.0	0.0	0.0	-	-	-	-	-
113-0	80.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-
113-0	85.0	-	-	3.1	-	-	-	-	-	-	-	-
117-0	40.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117-0	45.0	0.0	2.9	0.0	0.0	0.0	2.8	0.0	0.0	-	-	-
117-0	50.0	0.0	4.2	0.0	0.0	0.0	0.0	-	-	-	-	-
117-0	55.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-	-	-	-
120-0	50.0	0.0	3.7	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
120-0	60.0	1.2	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
120-0	90.0	-	0.0	0.0	-	-	-	0.0	0.0	2.7	-	-
120-0	100.0	-	-	-	-	-	-	0.0	0.0	5.2	-	-
123-0	37.0	-	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-	-
123-0	45.0	1.1	0.0	0.0	11.5	0.0	0.0	0.0	0.0	0.0	-	-
123-0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123-0	60.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
123-0	80.0	2.7	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

STATION	<i>Lampanyctus</i> spp. (cont.)											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127-0	40.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0	-	0.0	-	-
127-0	45.0	1.2	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
127-0	50.0	0.0	0.0	0.0	5.3	0.0	0.0	-	-	0.0	-	-
127-0	60.0	1.5	-	0.0	0.0	0.0	0.0	-	-	-	-	-
127-0	75.0	-	-	5.3	-	-	-	-	-	-	-	-
127-0	80.0	0.0	-	5.2	-	-	-	-	-	-	-	-
127-0	85.0	12.6	2.8	0.0	0.0	0.0	-	-	-	2.5	-	-
130-0	35.0	3.7	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
130-0	40.0	3.6	0.0	0.0	0.0	0.0	-	-	-	5.5	-	-
130-0	45.0	0.0	0.0	0.0	0.0	0.0	-	-	-	5.2	-	-
130-0	50.0	0.0	0.0	0.0	0.0	8.8	-	-	-	2.8	-	-
130-0	55.0	4.1	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
130-0	60.0	0.0	0.0	0.0	0.0	0.0	-	-	-	10.6	-	-
130-0	70.0	-	-	-	-	-	-	-	-	12.7	-	-
130-0	80.0	0.0	0.0	0.0	0.0	0.0	-	-	-	19.4	-	-
133-0	30.0	-	-	0.0	0.0	0.0	-	-	-	1.1	-	-
133-0	40.0	2.7	14.3	0.0	0.0	0.0	-	-	-	0.0	-	-
133-0	45.0	0.0	31.7	0.0	0.0	0.0	-	-	-	0.0	-	-
133-0	50.0	0.0	5.7	0.0	-	-	-	-	-	0.0	-	-
133-0	55.0	0.0	-	0.0	-	-	-	-	-	2.7	-	-
133-0	60.0	0.0	-	0.0	-	-	-	-	-	2.6	-	-
134-0	36.0	0.0	0.0	0.0	0.0	0.0	-	-	-	6.3	-	-
137-0	23.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
137-0	30.0	2.8	0.0	0.0	0.0	0.0	-	-	-	2.7	-	-
137-0	35.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
137-0	40.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
137-0	45.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
137-0	50.0	7.8	0.0	0.0	0.0	0.0	-	-	-	18.0	-	-
137-0	55.0	0.0	2.8	0.0	0.0	0.0	-	-	-	19.9	-	-
137-0	60.0	0.0	-	0.0	-	-	-	-	-	8.2	-	-
137-0	70.0	2.7	-	0.0	-	-	-	-	-	0.0	-	-
137-0	80.0	2.3	-	0.0	-	-	-	-	-	-	-	-
140-0	40.0	3.0	-	0.0	-	-	-	-	-	-	-	-
140-0	50.0	5.4	-	0.0	-	-	-	-	-	-	-	-
140-0	60.0	13.5	-	13.0	-	-	-	-	-	-	-	-
143-0	35.0	3.0	-	0.0	-	-	-	-	-	-	-	-
143-0	50.0	2.9	-	0.0	-	-	-	-	-	-	-	-
143-0	55.0	2.6	-	0.0	-	-	-	-	-	-	-	-
147-0	20.0	2.7	-	0.0	-	-	-	-	-	-	-	-
147-0	40.0	5.5	-	0.0	-	-	-	-	-	-	-	-
147-0	45.0	2.9	-	0.0	-	-	-	-	-	-	-	-
147-0	50.0	2.8	-	0.0	-	-	-	-	-	-	-	-
147-0	60.0	0.0	-	17.0	-	-	-	-	-	-	-	-
150-0	25.0	3.0	-	0.0	-	-	-	-	-	-	-	-
150-0	40.0	2.9	-	0.0	-	-	-	-	-	-	-	-
150-0	45.0	2.8	-	0.0	-	-	-	-	-	-	-	-
153-0	16.0	5.4	-	0.0	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Lampanyctus* spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
153.0	30.0	0.0	-	2.8	-	-	-	-	-	-	-	-
153.0	45.0	2.6	-	0.0	-	-	-	-	-	-	-	-
153.0	50.0	2.5	-	0.0	-	-	-	-	-	-	-	-
153.0	55.0	0.0	-	42.4	-	-	-	-	-	-	-	-
153.0	60.0	2.8	-	11.5	-	-	-	-	-	-	-	-
153.0	65.0	-	-	5.8	-	-	-	-	-	-	-	-
153.0	70.0	2.5	-	0.0	-	-	-	-	-	-	-	-
153.0	80.0	14.1	-	-	-	-	-	-	-	-	-	-
153.0	85.0	2.8	-	-	-	-	-	-	-	-	-	-
157.0	20.0	7.8	-	-	-	-	-	-	-	-	-	-
157.0	25.0	6.0	-	-	-	-	-	-	-	-	-	-
157.0	35.0	2.2	-	-	-	-	-	-	-	-	-	-
157.0	40.0	22.5	-	-	-	-	-	-	-	-	-	-
157.0	45.0	28.3	-	-	-	-	-	-	-	-	-	-
157.0	50.0	13.0	-	-	-	-	-	-	-	-	-	-
157.0	55.0	20.3	-	-	-	-	-	-	-	-	-	-
157.0	60.0	2.6	-	-	-	-	-	-	-	-	-	-

*Lampanyctus regalis*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
53.0	60.0	0.0	-	1.6	-	-	-	-	-	-	-	-
60.0	80.0	0.0	-	0.0	-	-	0.0	-	-	-	-	-
83.0	60.0	0.0	0.0	0.0	0.0	4.8	0.0	-	3.2	0.0	-	-
83.0	80.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-	-	-	-
90.0	45.0	0.0	0.0	0.0	0.0	-	0.0	2.5	-	0.0	-	-
90.0	70.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	0.0	-	-
90.0	80.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	0.0	-	-
90.0	90.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	95.0	-	-	0.0	3.6	0.0	-	-	-	-	-	-
93.0	50.0	0.0	0.0	-	0.0	3.0	0.0	0.0	-	0.0	-	-
93.0	95.0	-	0.0	-	0.0	3.0	-	-	-	-	-	-
103.0	30.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	2.5	-	-

*Lampanyctus ritteri*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	60.0	-	-	2.9	-	-	-	-	-	-	-	-
40.0	70.0	0.0	-	15.8	-	-	-	-	-	-	-	-
40.0	80.0	1.6	-	2.7	-	-	-	-	-	-	-	-
40.0	90.0	0.0	-	9.0	-	-	-	-	-	-	-	-
43.0	45.0	-	-	2.6	-	-	-	-	-	-	-	-
43.0	55.0	-	-	2.2	-	-	-	-	-	-	-	-
43.0	90.0	-	-	32.9	-	-	-	-	-	-	-	-



TABLE 4. (cont.)

*Lampanyctus ritteri* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
47.0	60.0	-	-	15.4	-	-	-	-	-	-	-	-
47.0	90.0	-	-	7.5	-	-	-	-	-	-	-	-
50.0	55.0	0.0	-	0.0	-	-	7.5	-	-	-	-	-
50.0	70.0	3.0	-	3.1	-	-	-	-	-	-	-	-
50.0	80.0	0.0	-	2.5	-	-	-	-	-	-	-	-
53.0	57.0	2.2	-	-	-	-	-	-	-	-	-	-
53.0	55.0	0.0	-	2.3	-	-	-	-	-	-	-	-
57.0	60.0	1.4	-	0.0	-	-	-	-	-	-	-	-
57.0	70.0	3.0	-	0.0	-	-	-	-	-	-	-	-
57.0	80.0	2.7	-	7.7	-	-	0.0	-	0.0	-	-	-
60.0	55.0	0.0	-	-	-	-	0.0	-	0.0	-	-	-
60.0	57.0	1.8	-	0.0	-	-	0.0	-	0.0	-	-	-
60.0	90.0	5.1	-	-	-	-	9.4	-	0.0	-	-	-
60.0	120.0	-	-	-	-	-	0.0	-	5.4	-	-	-
60.0	140.0	-	-	-	-	-	17.9	-	-	-	-	-
63.0	70.0	0.0	-	0.0	-	-	0.0	-	0.0	-	-	-
63.0	80.0	3.2	-	0.0	-	-	0.0	-	0.0	-	-	-
67.0	55.0	4.7	-	0.0	-	-	-	-	0.0	-	-	-
70.0	53.0	-	-	-	-	-	0.0	-	0.0	-	-	-
70.0	60.0	2.6	-	-	-	-	3.5	-	0.0	-	-	-
70.0	70.0	4.2	-	-	-	-	2.9	-	0.0	-	-	-
70.0	80.0	0.0	-	0.0	-	-	3.0	-	0.0	-	-	-
70.0	90.0	11.0	-	0.0	-	-	0.0	-	0.0	-	-	-
70.0	100.0	2.6	-	-	-	-	0.0	-	0.0	-	-	-
70.0	120.0	-	-	-	-	-	1.2	-	-	-	-	-
73.0	51.0	0.0	-	0.0	-	0.0	-	-	-	0.0	-	-
73.0	53.0	0.0	-	9.1	-	-	-	-	-	-	-	-
73.0	60.0	0.0	-	0.0	-	0.0	-	-	-	0.0	-	-
73.0	90.0	-	-	13.9	-	-	-	-	-	-	-	-
77.0	53.0	1.6	-	0.0	-	0.0	-	-	-	-	-	-
77.0	55.0	2.5	-	0.0	-	0.0	-	-	-	0.0	-	-
77.0	60.0	0.0	-	8.2	-	2.9	-	-	-	0.0	-	-
77.0	65.0	-	-	13.8	-	0.0	-	-	-	-	-	-
77.0	70.0	2.5	-	7.2	-	0.0	-	-	-	-	-	-
77.0	80.0	15.5	-	13.0	-	0.0	-	-	-	-	-	-
77.0	90.0	-	-	8.0	-	-	-	-	-	-	-	-
80.0	52.0	2.9	-	0.0	-	2.7	-	-	0.0	-	-	-
80.0	55.0	0.0	-	5.3	-	0.0	-	-	0.0	-	-	-
80.0	57.0	0.0	-	5.7	-	0.0	-	-	-	-	-	-
80.0	60.0	0.0	-	2.5	-	0.0	-	-	-	-	-	-
80.0	65.0	-	-	0.0	-	0.0	-	-	0.0	-	-	-
80.0	70.0	0.0	-	0.0	-	0.0	-	-	0.0	-	-	-
80.0	80.0	5.2	-	0.0	-	0.0	-	-	0.0	-	-	-
80.0	85.0	-	-	10.6	-	2.6	-	-	3.1	-	-	-
80.0	90.0	0.0	-	1.8	-	0.0	-	-	2.7	-	-	-
80.0	100.0	0.0	-	2.9	-	0.0	-	-	0.0	-	-	-
80.0	100.0	3.2	-	2.4	-	0.0	-	-	0.0	-	-	-
80.0	100.0	-	-	-	-	-	12.3	-	0.0	-	-	-
80.0	100.0	-	-	-	-	-	34.7	-	0.0	-	-	-

TABLE 4. (cont.)

*Lampanyctus ritteri* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	120.0	-	-	-	-	-	3.2	-	-	-	-	-
83.0	43.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
83.0	51.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
83.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
83.0	60.0	9.4	0.0	3.4	0.0	2.4	0.0	-	-	0.0	-	-
83.0	65.0	-	-	0.0	-	0.0	3.1	-	-	-	-	-
83.0	70.0	0.0	3.1	0.0	2.5	11.5	2.4	-	-	-	-	-
83.0	75.0	0.0	0.0	0.0	0.0	8.3	-	-	-	-	-	-
83.0	80.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-	-	-	-
83.0	85.0	-	-	2.8	-	0.0	-	-	-	-	-	-
83.0	90.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	-	2.9	-	-
87.0	35.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	0.0	-	-
87.0	40.0	2.9	5.9	0.0	0.0	0.0	3.1	0.0	-	0.0	-	-
87.0	50.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	55.0	9.3	0.0	3.1	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	70.0	0.0	2.3	0.0	5.5	0.0	0.0	0.0	-	-	-	-
87.0	75.0	0.0	2.3	2.8	-	10.4	0.0	-	-	-	-	-
87.0	80.0	0.0	10.8	0.0	-	-	0.0	-	-	-	-	-
87.0	85.0	-	-	9.9	-	-	-	-	-	-	-	-
87.0	90.0	0.0	0.0	8.3	-	0.0	0.0	0.0	-	0.0	-	-
90.0	37.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	0.0	-	-
90.0	45.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	65.0	-	-	2.6	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	70.0	1.7	0.0	6.3	0.0	0.0	0.0	2.8	-	0.0	-	-
90.0	75.0	0.0	0.0	0.0	13.2	0.0	0.0	0.0	-	0.0	-	-
90.0	80.0	5.9	17.3	8.5	9.6	0.0	0.0	2.8	-	0.0	-	-
90.0	90.0	0.0	3.1	3.3	0.0	0.0	0.0	8.3	-	0.0	-	-
90.0	95.0	-	-	2.3	21.5	0.0	0.0	-	-	-	-	-
90.0	100.0	0.0	0.0	2.6	27.2	0.0	0.0	0.0	-	0.0	-	-
93.0	28.0	0.0	2.4	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	30.0	0.0	0.0	-	2.9	0.0	0.0	0.0	-	0.0	-	-
93.0	35.0	0.0	4.2	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	50.0	2.8	3.3	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	55.0	3.8	0.0	-	0.0	3.0	0.0	0.0	-	0.0	-	-
93.0	60.0	0.0	3.2	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	65.0	0.0	3.0	-	0.0	0.0	2.6	0.0	-	0.0	-	-
93.0	70.0	8.0	11.2	5.6	0.0	0.0	2.8	0.0	-	0.0	-	-
93.0	75.0	-	22.5	-	0.0	0.0	-	-	-	-	-	-
93.0	80.0	2.9	11.0	11.8	11.8	0.0	0.0	3.1	-	0.0	-	-
93.0	85.0	-	15.3	8.6	8.6	0.0	-	2.9	-	8.3	-	-
93.0	90.0	0.0	6.2	5.8	5.8	0.0	0.0	0.0	-	0.0	-	-
93.0	95.0	-	0.0	-	21.1	8.9	0.0	0.0	-	0.0	-	-
93.0	100.0	-	0.0	1.3	15.0	2.8	2.9	0.0	-	0.0	-	-
97.0	32.0	2.8	0.0	0.0	6.2	0.0	0.0	0.0	-	0.0	-	-

TABLE 4. (cont.)

*Iampanyctus ritteri* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	40.0	0.0	0.0	-	3.1	0.0	0.0	0.0	-	0.0	-	-
97.0	50.0	0.0	0.0	10.7	0.0	0.0	0.0	-	-	0.0	-	-
97.0	55.0	0.0	3.0	44.1	0.0	0.0	0.0	-	-	0.0	-	-
97.0	60.0	2.6	10.9	6.0	11.1	0.0	0.0	-	-	-	-	-
97.0	70.0	2.8	4.2	0.0	-	0.0	5.5	-	-	-	-	-
97.0	80.0	2.5	2.4	39.4	-	0.0	0.0	-	-	-	-	-
97.0	85.0	-	17.4	46.9	-	0.0	-	-	-	-	-	-
97.0	90.0	0.0	-	-	2.6	0.0	-	0.0	-	0.0	-	-
100.0	35.0	0.0	1.5	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0	40.0	0.0	0.0	4.4	-	2.8	-	0.0	-	0.0	-	-
100.0	50.0	0.0	0.0	0.0	-	0.0	-	0.0	-	3.0	-	-
100.0	55.0	3.1	5.8	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0	60.0	0.0	1.4	6.5	-	0.0	-	0.0	-	0.0	-	-
100.0	65.0	-	-	27.2	-	2.6	-	0.0	-	0.0	-	-
100.0	70.0	0.0	10.6	27.2	-	0.0	-	0.0	-	0.0	-	-
100.0	75.0	-	-	6.4	-	0.0	-	-	-	-	-	-
100.0	80.0	0.0	2.4	2.2	-	0.0	-	0.0	-	0.0	-	-
100.0	85.0	-	-	5.3	-	2.6	-	-	-	-	-	-
100.0	90.0	9.2	6.6	0.0	0.0	0.0	-	0.0	-	0.0	-	-
103.0	35.0	0.0	0.0	1.4	0.0	-	0.0	0.0	-	0.0	-	-
103.0	40.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	-	0.0	-	-
103.0	45.0	8.2	2.1	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
103.0	50.0	0.0	0.0	2.1	0.0	0.0	0.0	-	-	-	-	-
103.0	55.0	0.0	3.1	13.0	0.0	0.0	0.0	-	-	-	-	-
103.0	60.0	5.2	0.0	2.5	0.0	0.0	0.0	-	-	-	-	-
103.0	65.0	-	-	8.7	5.7	0.0	0.0	-	-	-	-	-
103.0	70.0	-	0.0	8.7	2.8	0.0	0.0	-	-	-	-	-
103.0	75.0	-	-	2.6	0.0	0.0	-	-	-	-	-	-
103.0	80.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	-	-	-
103.0	85.0	-	-	5.2	-	-	-	-	-	-	-	-
103.0	90.0	0.0	-	2.4	-	-	-	-	-	-	-	-
107.0	32.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.1	-	-
107.0	45.0	0.0	5.9	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	50.0	0.0	17.8	0.0	2.7	2.3	0.0	-	-	-	-	-
107.0	55.0	0.0	0.0	2.7	0.0	2.8	0.0	-	-	-	-	-
107.0	60.0	0.0	3.0	0.0	3.0	2.7	0.0	-	-	-	-	-
107.0	65.0	-	-	9.4	0.0	0.0	0.0	-	-	-	-	-
107.0	75.0	-	-	2.8	2.9	0.0	0.0	-	-	-	-	-
107.0	80.0	0.0	5.6	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	85.0	0.0	0.0	0.0	2.7	0.0	-	0.0	0.0	0.0	-	-
110.0	35.0	0.0	0.0	0.0	0.0	3.0	-	0.0	0.0	0.0	-	-
110.0	40.0	0.0	3.2	2.6	0.0	0.0	-	0.0	7.6	0.0	-	-
110.0	45.0	5.4	0.0	7.6	3.1	0.0	-	0.0	1.7	0.0	-	-
110.0	50.0	5.7	14.6	4.0	0.0	0.0	-	0.0	-	3.0	-	-
110.0	55.0	0.0	5.7	12.6	5.5	0.0	-	3.2	-	0.0	-	-

TABLE 4. (cont.)

<i>Lampanyctus ritteri</i> (cont.)												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	60.0	0.0	19.2	0.0	0.0	0.0	-	0.0	-	0.0	-	-
110.0	70.0	0.0	2.8	0.0	2.8	0.0	-	0.0	-	0.0	-	-
110.0	75.0	2.7	-	2.6	0.0	0.0	-	-	-	-	-	-
110.0	80.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	5.1	-	-
110.0	85.0	-	-	2.9	-	-	-	0.0	-	0.0	-	-
110.0	90.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-	-	-	-
110.0	95.0	2.8	0.0	0.0	2.9	0.0	0.0	-	-	-	-	-
113.0	45.0	0.0	0.0	10.3	0.0	0.0	0.0	-	-	-	-	-
113.0	50.0	0.0	0.0	0.0	8.9	0.0	0.0	-	-	-	-	-
113.0	55.0	0.0	0.0	0.0	7.8	0.0	0.0	-	-	-	-	-
113.0	60.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	35.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	3.1	-	-
117.0	40.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	3.1	-	-
117.0	50.0	0.0	2.9	0.0	2.8	0.0	0.0	-	-	-	-	-
117.0	55.0	0.0	0.0	4.3	0.0	0.0	0.0	-	-	-	-	-
117.0	65.0	-	-	-	0.0	0.0	0.0	-	-	-	-	-
117.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	50.0	0.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	55.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	60.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	65.0	-	-	7.6	0.0	0.0	0.0	2.9	0.0	0.0	-	-
120.0	70.0	0.0	2.8	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	2.8	0.0	0.0	0.0	-	-
120.0	120.0	-	-	-	-	-	-	-	-	2.6	-	-
123.0	37.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	-	-
123.0	42.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	45.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	55.0	1.5	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	0.0	0.0	-	-	-	-	-
123.0	70.0	0.0	0.0	2.4	0.0	0.0	0.0	-	-	-	-	-
127.0	50.0	1.4	0.0	2.8	0.0	0.0	0.0	-	-	-	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	45.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	50.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	55.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
132.0	35.0	0.0	0.0	2.7	0.0	0.0	0.0	-	-	-	-	-
137.0	50.0	0.0	0.0	8.0	0.0	0.0	0.0	-	-	-	-	-
137.0	80.0	0.0	0.0	2.9	-	-	-	-	-	-	-	-
<i>Notolychnus valdiviae</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	200.0	-	-	-	-	-	0.0	-	4.8	-	-	-
70.0	200.0	-	-	-	-	-	2.5	-	0.0	-	-	-
80.0	200.0	-	-	-	-	-	2.4	-	4.3	-	-	-

TABLE 4. (cont.)

*Notolychnus valdiviae* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0 120.0	-	-	-	-	-	-	-	0.0	-	2.5	-	-
90.0 140.0	-	-	-	-	-	-	0.0	-	-	8.3	-	-
90.0 160.0	-	-	-	-	-	-	0.0	-	-	5.7	-	-
90.0 180.0	-	-	-	-	-	-	0.0	-	-	8.5	-	-
90.0 200.0	-	-	-	-	-	-	6.5	-	0.0	-	-	-
93.0 90.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	2.8	-	-
97.0 90.0	0.0	-	1.3	-	0.0	0.0	-	-	-	-	-	-
120.0 120.0	-	-	-	-	-	-	-	3.0	-	0.0	-	-

*Notoscopelus resplendens*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0 55.0	0.0	-	-	0.0	-	-	5.6	-	-	-	-	-
60.0 160.0	-	-	-	-	-	-	2.0	-	0.0	-	-	-
60.0 180.0	-	-	-	-	-	-	2.1	-	0.0	-	-	-
60.0 200.0	-	-	-	-	-	-	0.0	-	2.4	-	-	-
80.0 120.0	-	-	-	-	-	-	3.2	-	-	-	-	-
80.0 200.0	-	-	-	-	-	-	7.1	-	2.2	-	-	-
80.0 100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	0.0	-	-
90.0 180.0	-	-	-	-	-	-	6.0	-	-	0.0	-	-
93.0 100.0	-	0.0	0.0	0.0	6.0	0.0	0.0	0.0	-	2.9	-	-
100.0 65.0	-	-	0.0	4.7	-	0.0	-	0.0	-	0.0	-	-
100.0 90.0	0.0	-	-	-	-	-	-	2.5	-	0.0	-	-
100.0 100.0	-	-	-	-	-	-	-	-	-	-	-	-
103.0 65.0	-	-	-	0.0	0.0	5.5	2.8	-	-	-	-	-
103.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	-	-	-
103.0 80.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	-	-	-
103.0 85.0	-	-	-	2.6	-	-	-	-	-	-	-	-
107.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	-	-	-	-	-
107.0 70.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	-	-	-
107.0 80.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	-	-	-
110.0 55.0	0.0	0.0	2.8	0.0	0.0	0.0	-	0.0	-	0.0	-	-
110.0 60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	5.7	-	-
110.0 65.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	11.4	-	-
110.0 80.0	0.0	0.0	0.0	0.0	0.0	3.0	-	8.0	-	2.5	-	-
110.0 90.0	0.0	0.0	0.0	0.0	-	-	-	15.1	-	0.0	-	-
110.0 100.0	-	-	-	-	-	-	-	2.8	-	0.0	-	-
110.0 120.0	-	-	-	-	-	-	-	2.8	-	0.0	-	-
113.0 55.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	-	-	-	-	-
117.0 80.0	0.0	3.5	0.0	0.0	0.0	0.0	5.8	-	-	-	-	-
120.0 60.0	-	-	0.0	0.0	0.0	0.0	-	4.3	-	0.0	-	-
120.0 85.0	-	-	0.0	0.0	0.0	0.0	-	2.9	-	0.0	-	-
120.0 80.0	-	0.0	0.0	0.0	0.0	0.0	-	22.4	-	0.0	-	-
120.0 90.0	-	0.0	0.0	0.0	0.0	0.0	-	6.2	-	8.2	-	-
120.0 100.0	-	-	-	-	-	-	-	5.1	-	2.6	-	-

TABLE 4. (cont.)

*Notoscopelus resplendens* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	50.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	0.0	-	-
127.0	55.0	0.0	0.0	0.0	0.0	2.5	3.0	-	-	-	-	-
123.0	60.0	0.0	0.0	0.0	2.7	23.2	0.0	-	-	0.0	-	-
130.0	55.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	-	0.0	-	-
130.0	60.0	0.0	0.0	0.0	0.0	0.0	-	7.1	-	0.0	-	-
130.0	70.0	-	-	-	-	-	-	3.2	-	2.6	-	-
130.0	80.0	-	-	-	-	-	-	0.0	-	2.8	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	3.4	-	-	-	-
133.0	60.0	0.0	0.0	0.0	0.0	0.0	-	2.6	-	0.0	-	-
137.0	50.0	0.0	0.0	0.0	0.0	-	-	3.3	-	0.0	-	-
137.0	55.0	-	-	-	-	-	-	5.4	-	0.0	-	-
143.0	55.0	0.0	-	5.6	-	-	-	-	-	-	-	-
143.0	60.0	0.0	-	12.0	-	-	-	-	-	-	-	-
147.0	60.0	0.0	-	5.7	-	-	-	-	-	-	-	-
150.0	45.0	0.0	-	9.3	-	-	-	-	-	-	-	-
150.0	50.0	0.0	-	9.1	-	-	-	-	-	-	-	-
153.0	50.0	0.0	-	3.0	-	-	-	-	-	-	-	-
153.0	55.0	0.0	-	2.7	-	-	-	-	-	-	-	-
153.0	70.0	0.0	-	2.8	-	-	-	-	-	-	-	-
157.0	45.0	2.4	-	-	-	-	-	-	-	-	-	-

*Stenobrachius leucopsarus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	38.0	-	-	2.5	-	-	-	-	-	-	-	-
40.0	40.0	-	-	2.1	-	-	-	-	-	-	-	-
40.0	45.0	-	-	21.0	-	-	-	-	-	-	-	-
40.0	50.0	-	-	19.5	-	-	-	-	-	-	-	-
40.0	55.0	22.9	-	37.5	-	-	-	-	-	-	-	-
40.0	60.0	1.8	-	84.4	-	-	-	-	-	-	-	-
40.0	70.0	2.3	-	23.8	-	-	-	-	-	-	-	-
43.0	42.0	1.6	-	21.8	-	-	-	-	-	-	-	-
43.0	42.0	-	-	7.5	-	-	-	-	-	-	-	-
43.0	45.0	-	-	36.1	-	-	-	-	-	-	-	-
43.0	50.0	-	-	5.8	-	-	-	-	-	-	-	-
43.0	60.0	-	-	8.5	-	-	-	-	-	-	-	-
47.0	55.0	-	-	61.0	-	-	-	-	-	-	-	-
47.0	60.0	-	-	94.6	-	-	-	-	-	-	-	-
47.0	90.0	-	-	2.5	-	-	-	-	-	-	-	-
50.0	47.0	2.9	-	2.0	-	-	-	-	-	-	-	-
50.0	50.0	11.1	-	0.0	-	-	0.0	-	-	-	-	-
50.0	55.0	31.9	-	31.8	-	-	0.0	-	-	-	-	-
50.0	60.0	9.3	-	241.9	-	-	-	-	-	-	-	-
50.0	70.0	92.3	-	9.2	-	-	-	-	-	-	-	-
50.0	80.0	5.1	-	0.0	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

STATION	<i>Stenobrachius leucopsarus</i> (cont.)											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	100.0	6.6	-	-	-	-	-	-	-	-	-	-
53.0	52.0	37.4	-	8.2	-	-	-	-	-	-	-	-
55.0	55.0	74.2	-	30.8	-	-	-	-	-	-	-	-
53.0	60.0	154.1	-	-	-	-	-	-	-	-	-	-
53.0	60.0	8.6	-	78.4	-	-	-	-	-	-	-	-
53.0	80.0	17.8	-	61.0	-	-	-	-	-	-	-	-
57.0	51.0	32.0	-	2.7	-	-	-	-	-	-	-	-
57.0	55.0	12.3	-	22.8	-	-	-	-	-	-	-	-
57.0	57.0	30.0	-	16.5	-	-	-	-	-	-	-	-
57.0	60.0	31.2	-	8.7	-	-	-	-	-	-	-	-
57.0	70.0	138.0	-	-	-	-	-	-	-	-	-	-
57.0	80.0	160.2	-	-	-	-	-	-	-	-	-	-
60.0	52.0	39.6	-	0.0	-	-	0.0	-	0.0	-	-	-
60.0	55.0	59.4	-	73.0	-	-	1.4	-	0.0	-	-	-
60.0	57.0	3.6	-	-	-	-	-	-	-	-	-	-
60.0	60.0	49.5	-	11.1	-	-	3.0	-	0.0	-	-	-
60.0	70.0	10.9	-	6.6	-	-	0.0	-	0.0	-	-	-
60.0	80.0	49.4	-	80.3	-	-	0.0	-	0.0	-	-	-
60.0	90.0	58.2	-	55.0	-	-	0.0	-	0.0	-	-	-
60.0	100.0	8.8	-	-	-	-	0.0	-	0.0	-	-	-
63.0	52.0	9.4	-	2.3	-	-	-	-	-	-	-	-
63.0	55.0	16.0	-	5.1	-	-	-	-	-	-	-	-
63.0	57.0	10.8	-	-	-	-	-	-	-	-	-	-
63.0	60.0	161.7	-	25.7	-	-	-	-	-	-	-	-
63.0	70.0	214.8	-	172.8	-	-	-	-	-	-	-	-
63.0	80.0	38.6	-	20.2	-	-	-	-	-	-	-	-
63.0	90.0	-	-	4.9	-	-	-	-	-	-	-	-
63.0	100.0	2.3	-	-	-	-	-	-	-	-	-	-
67.0	50.0	128.5	-	4.8	-	-	-	-	0.0	-	-	-
67.0	53.0	284.0	-	-	-	-	-	-	-	-	-	-
67.0	55.0	82.3	-	41.8	-	-	-	-	0.0	-	-	-
67.0	60.0	51.0	-	109.2	-	-	-	-	-	-	-	-
67.0	70.0	0.0	-	203.6	-	-	-	-	0.0	-	-	-
67.0	80.0	36.3	-	205.2	-	-	-	-	-	-	-	-
67.0	90.0	-	-	42.6	-	-	-	-	-	-	-	-
70.0	51.0	50.5	-	-	-	-	-	-	-	-	-	-
70.0	52.0	-	-	27.2	-	-	-	-	-	-	-	-
70.0	53.0	52.2	-	-	-	-	1.9	-	0.0	-	-	-
70.0	55.0	365.8	-	-	-	-	3.0	-	0.0	-	-	-
70.0	60.0	26.8	-	-	-	-	0.0	-	0.0	-	-	-
70.0	70.0	14.5	-	48.1	-	-	0.0	-	0.0	-	-	-
70.0	80.0	141.6	-	103.0	-	-	0.0	-	0.0	-	-	-
70.0	90.0	8.3	-	0.0	-	-	0.0	-	0.0	-	-	-
70.0	100.0	57.9	-	-	-	-	0.0	-	0.0	-	-	-
73.0	51.0	9.6	159.8	9.4	70.0	0.0	-	-	-	-	-	0.0

TABLE 4. (cont.)

## Stenobrachius leucopsarus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	53.0	57.8	16.6	-	11.0	15.8	-	-	-	0.0	-	-
73.0	55.0	8.8	7.3	23.5	0.0	12.2	-	-	-	0.0	-	-
73.0	60.0	7.4	128.6	7.5	-	-	-	-	-	-	-	-
73.0	70.0	4.9	-	9.5	-	-	-	-	-	-	-	-
73.0	80.0	-	-	156.6	-	-	-	-	-	-	-	-
73.0	90.0	7.8	0.0	6.3	3.2	-	-	-	-	0.0	-	-
77.0	50.0	22.0	-	2.6	-	-	-	-	-	0.0	-	-
77.0	51.0	97.7	-	-	-	-	-	-	-	-	-	-
77.0	53.0	24.1	12.1	10.6	1.8	-	-	-	-	0.0	-	-
77.0	55.0	196.5	-	-	-	-	-	-	-	-	-	-
77.0	57.0	23.4	55.0	-	6.3	-	-	-	-	0.0	-	-
77.0	60.0	13.6	-	55.2	14.3	-	-	-	-	-	-	-
77.0	65.0	-	57.8	23.5	3.5	-	-	-	-	-	-	-
77.0	70.0	17.9	-	5.2	-	-	-	-	-	-	-	-
77.0	80.0	-	-	37.5	-	-	-	-	-	-	-	-
77.0	90.0	-	26.1	12.4	0.0	0.0	0.0	-	0.0	-	-	-
80.0	52.0	50.0	40.7	17.9	1.8	-	-	-	0.0	-	-	-
80.0	53.0	35.1	22.7	8.6	-	-	-	-	0.0	-	-	-
80.0	55.0	21.3	-	-	-	-	-	-	-	-	-	-
80.0	57.0	2.8	33.0	33.0	-	8.2	3.2	-	0.0	-	-	-
80.0	60.0	7.5	-	61.6	-	14.5	0.0	-	0.0	-	-	-
80.0	65.0	0.0	-	45.5	-	0.0	0.0	-	0.0	-	-	-
80.0	70.0	0.0	-	10.6	-	0.0	0.0	-	0.0	-	-	-
80.0	75.0	-	50.2	31.3	-	0.0	0.0	-	0.0	-	-	-
80.0	80.0	0.0	-	5.4	-	0.0	0.0	-	-	-	-	-
80.0	85.0	6.4	17.0	5.7	-	9.0	0.0	-	-	-	-	-
80.0	90.0	2.2	65.8	6.6	0.0	0.0	0.0	-	-	0.0	-	-
82.0	47.0	29.1	0.0	10.3	0.0	0.0	0.0	0.0	-	0.0	-	-
83.0	40.0	0.0	10.2	0.0	2.9	0.0	0.0	0.0	-	0.0	-	-
83.0	43.0	34.5	53.3	20.6	3.8	0.0	0.0	0.0	-	0.0	-	-
83.0	45.0	15.3	-	0.0	27.9	0.0	0.0	0.0	-	0.0	-	-
83.0	55.0	7.4	6.9	0.0	74.4	7.2	0.0	-	-	0.0	-	-
83.0	60.0	13.2	-	4.2	-	13.7	0.0	-	-	-	-	-
83.0	65.0	0.0	16.8	42.3	-	9.2	0.0	-	-	-	-	-
83.0	70.0	4.0	-	55.9	-	2.8	0.0	-	-	-	-	-
83.0	75.0	3.7	3.2	5.5	-	0.0	0.0	-	-	-	-	-
83.0	80.0	0.0	-	17.7	-	0.0	-	-	-	-	-	-
83.0	85.0	32.0	-	13.8	-	-	-	-	-	-	-	-
87.0	35.0	35.0	40.6	65.1	11.9	2.8	0.0	0.0	-	0.0	-	-
87.0	40.0	77.2	4.6	10.4	18.7	0.0	0.0	0.0	-	0.0	-	-
87.0	45.0	19.9	30.1	38.4	13.0	2.7	0.0	0.0	-	0.0	-	-
87.0	50.0	1.3	88.1	23.1	15.2	0.0	3.1	0.0	-	0.0	-	-
87.0	55.0	0.0	16.7	53.0	17.1	0.0	3.3	0.0	-	0.0	-	-
87.0	60.0	15.2	110.4	7.1	15.7	2.8	2.9	0.0	-	0.0	-	-
87.0	65.0	-	-	20.9	-	0.0	2.8	-	-	-	-	-



TABLE 4. (cont.)

*Stenobrachius leucopsarus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	70.0		4.6	22.2	-	0.0	0.0	-	-	-	-	-
87.0	75.0	33.7	-	24.8	-	0.0	-	-	-	-	-	-
87.0	80.0	0.0	0.0	3.1	-	0.0	0.0	-	-	-	-	-
87.0	85.0	0.0	-	2.5	-	-	-	-	-	-	-	-
87.0	90.0	6.0	-	0.0	-	-	-	-	-	-	-	-
90.0	28.0	4.9	8.3	91.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	32.0	28.0	0.0	36.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	37.0	10.0	72.2	78.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	45.0	5.3	99.2	39.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	50.0	0.0	30.3	48.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	55.0	-	28.0	5.5	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	60.0	0.0	9.2	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	65.0	-	-	25.8	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	70.0	1.7	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	75.0	-	-	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0
90.0	80.0	0.0	11.3	1.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	85.0	-	-	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	90.0	0.0	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	95.0	-	-	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	100.0	0.0	1.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	28.0	5.4	171.5	-	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	30.0	-	57.0	-	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	35.0	0.0	43.1	-	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	40.0	213.1	56.3	-	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	45.0	6.9	13.0	-	3.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0
93.0	50.0	0.0	3.3	-	10.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0
93.0	55.0	0.0	0.0	-	9.8	8.9	0.0	0.0	0.0	0.0	0.0	0.0
93.0	60.0	0.0	0.0	-	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	65.0	0.0	0.0	-	9.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	75.0	-	-	-	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0
93.0	80.0	0.0	12.6	-	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93.0	85.0	-	18.3	-	0.0	2.7	-	-	-	-	-	-
93.0	95.0	-	0.0	-	0.0	3.0	-	-	-	-	-	-
97.0	30.0	3.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	32.0	0.0	88.2	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	35.0	22.4	16.7	88.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	40.0	5.8	4.7	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	45.0	2.9	23.8	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	50.0	0.0	2.5	50.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	55.0	0.0	0.0	0.0	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.0	60.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	29.0	-	1.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	35.0	-	9.2	88.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	40.0	-	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	45.0	-	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	55.0	-	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	80.0	-	2.4	0.0	0.0	0.0	0.0	0.0	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	90.0	0.0	1.3	0.0	-	0.0	-	0.0	-	0.0	-	-
103.0	30.0	0.0	2.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	35.0	0.0	11.8	31.3	0.0	-	0.0	0.0	0.0	0.0	-	-
103.0	40.0	4.2	8.4	8.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	45.0	0.0	0.0	0.0	2.9	0.0	0.0	-	-	-	-	-
103.0	60.0	0.0	0.0	0.0	5.4	0.0	0.0	-	-	-	-	-
107.0	32.0	0.0	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	35.0	0.0	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	55.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-	-	-	-
110.0	33.0	0.0	0.0	0.0	5.5	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	0.0	-	-
110.0	45.0	0.0	0.0	0.0	0.0	3.0	-	0.0	0.0	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	45.0	0.0	0.0	5.9	0.0	0.0	0.0	-	-	-	-	-
113.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	30.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-
118.0	39.0	0.0	0.0	2.4	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.
60.0	52.0	0.0	-	0.0	-	-	4.7	-	0.0	-	-	-
77.0	80.0	0.0	-	2.6	-	-	-	-	-	-	-	-
80.0	85.0	-	-	0.0	-	2.6	-	-	-	-	-	-
80.0	90.0	0.0	0.0	0.0	-	0.0	10.8	-	0.0	-	-	-
80.0	100.0	-	-	-	-	-	34.7	-	0.0	-	-	-
82.0	47.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-
83.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-
83.0	55.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	-	-
83.0	60.0	0.0	0.0	0.0	0.0	4.8	0.0	-	-	-	-	-
83.0	65.0	-	-	0.0	-	2.7	3.1	-	-	-	-	-
87.0	35.0	0.0	0.0	0.0	0.0	0.0	8.3	2.6	8.8	8.8	-	-
87.0	40.0	0.0	0.0	0.0	0.0	2.7	10.8	4.6	0.0	0.0	-	-
87.0	45.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	-	-
87.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	-	-
87.0	55.0	0.0	0.0	0.0	0.0	0.0	6.5	-	0.0	0.0	-	-
87.0	60.0	0.0	0.0	0.0	0.0	0.0	14.7	-	0.0	0.0	-	-
87.0	65.0	-	-	0.0	-	8.3	0.0	-	-	-	-	-
90.0	28.0	0.0	0.0	0.0	2.9	0.0	2.8	2.6	0.0	0.0	-	-
90.0	32.0	0.0	0.0	0.0	-	3.1	11.8	0.0	0.0	0.0	-	-
90.0	37.0	0.0	0.0	0.0	0.0	13.5	7.5	2.8	44.0	8.4	-	-
90.0	45.0	0.0	0.0	0.0	0.0	-	12.4	0.0	0.0	0.0	-	-
90.0	50.0	0.0	0.0	0.0	0.0	2.8	-	0.0	-	-	-	-

TABLE 4. (cont.)

*Triphoturus mexicanus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	53.0						6.3	2.7		0.0		
90.0	60.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0		2.2		
90.0	65.0	0.0	0.0	12.9	12.0	0.0	0.0	0.0		2.7		
90.0	70.0	0.0	0.0	0.0	0.0	14.3	6.0	5.7		0.0		
90.0	75.0	0.0	0.0	2.7	6.6	16.9						
90.0	80.0	0.0	2.8	0.0	6.4	0.0	0.0	0.0		0.0		
90.0	85.0	0.0	0.0	0.0	0.0	2.7						
90.0	90.0	0.0	0.0	3.3	0.0	0.0	0.0	135.2		0.0		
90.0	95.0	0.0	0.0	4.7	7.2	2.9						
90.0	100.0	0.0	0.0	0.0	33.2	0.0	2.7	14.3		17.2		
93.0	120.0		1.3		2.9	0.0	6.8	13.4		2.7		
93.0	28.0		4.1		32.3	0.0	21.5	10.3		0.0		
93.0	30.0	0.0	11.3		7.1	10.6	2.9	16.6		0.0		
93.0	35.0	0.0	0.0		5.6	0.0	5.6	0.0		5.4		
93.0	40.0	0.0	0.0		3.0	34.1	0.0	0.0		14.7		
93.0	45.0	0.0	0.0		3.4	0.0	0.0	0.0		0.0		
93.0	50.0	0.0	0.0		3.4	0.0	0.0	25.9		0.0		
93.0	55.0	0.0	4.9		3.2	41.4	17.4	0.0		5.4		
93.0	60.0	0.0	1.5		0.0	10.1	45.2	23.4		0.0		
93.0	65.0	0.0	3.0		0.0	3.0	7.7	0.0		0.0		
93.0	70.0	0.0	5.6		12.3	0.0	0.0	5.5		0.0		
93.0	75.0	0.0	8.4		10.0	13.6	0.0	0.0		0.0		
93.0	80.0	0.0	5.4		11.8	0.0	0.0	0.0		0.0		
93.0	85.0	0.0	9.1		17.1	0.0						
93.0	90.0	0.0	1.6		10.0	8.3	5.9	5.7		2.8		
93.0	95.0	0.0	0.0		18.1	3.0						
93.0	100.0	0.0	0.0		19.0	8.3	23.5	5.3		0.0		
97.0	30.0	0.0	0.0	2.1	0.0	0.0	14.7	0.0		0.0		
97.0	32.0	0.0	0.0	4.1	0.0	7.3	8.7	4.8		6.0		
97.0	35.0	0.0	0.0	2.9	3.0	8.3	5.9	0.0		0.0		
97.0	40.0	0.0	0.0		3.1	41.4	24.1	2.6		8.8		
97.0	45.0	0.0	0.0	5.6	0.0	76.4	40.7			20.0		
97.0	50.0	0.0	0.0	69.4	0.0	111.5	57.0			17.9		
97.0	55.0	0.0	12.2	37.8	33.0	44.8	14.5					
97.0	60.0	0.0	0.0	14.9	33.2	8.0	3.0					
97.0	65.0		3.2			2.9	6.1					
97.0	70.0	0.0	4.1			0.0	5.5					
97.0	75.0	0.0	0.0	6.0		8.9						
97.0	80.0	0.0	0.0	39.4		11.4	16.4					
97.0	85.0	0.0	0.0	35.2		13.2						
97.0	90.0	0.0	16.8			0.0						
100.0	29.0	0.0	0.0	0.0		0.0		2.7				
100.0	30.0	0.0	0.0	0.0		2.7		13.5		48.6		
100.0	35.0	0.0	0.0	2.8		2.9		11.5		46.6		
100.0	40.0	0.0	0.0	6.6		11.4		4.7		102.6		
100.0	45.0	0.0	0.0	10.4		15.1		16.9		16.4		

TABLE 4. (cont.)

*Tripoturus mexicanus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	50.0	0.0	0.0	0.0	-	78.0	-	20.8	-	29.7	-	-
100.0	55.0	0.0	6.0	8.0	-	3.0	-	10.4	-	15.4	-	-
100.0	60.0	0.0	1.2	47.3	-	9.1	-	10.4	-	21.7	-	-
100.0	65.0	-	-	93.6	-	28.9	-	18.4	-	11.7	-	-
100.0	70.0	0.0	9.1	15.8	-	15.1	-	51.9	-	2.6	-	-
100.0	75.0	-	-	61.2	-	17.7	-	6.8	-	0.0	-	-
100.0	80.0	0.0	2.3	24.2	-	10.5	-	10.7	-	13.0	-	-
100.0	85.0	-	0.0	18.6	-	10.5	-	12.5	-	9.5	-	-
100.0	90.0	0.0	2.3	-	-	-	-	10.3	45.1	20.4	-	-
100.0	100.0	0.0	-	1.5	0.0	-	10.4	10.3	60.3	24.7	-	-
103.0	30.0	0.0	0.0	3.0	0.0	-	30.9	2.8	200.6	31.7	-	-
103.0	35.0	0.0	3.0	5.7	2.8	18.3	8.8	6.1	-	-	-	-
103.0	40.0	0.0	0.0	12.2	0.0	3.0	8.0	-	-	-	-	-
103.0	45.0	0.0	0.0	10.7	2.8	0.0	3.2	-	-	-	-	-
103.0	50.0	0.0	6.3	21.7	22.5	28.5	11.7	-	-	-	-	-
103.0	55.0	0.0	6.1	10.7	18.9	11.2	59.4	-	-	-	-	-
103.0	60.0	0.0	0.0	10.1	25.5	19.3	14.3	-	-	-	-	-
103.0	65.0	0.0	4.6	13.8	45.8	18.2	19.5	-	-	-	-	-
103.0	70.0	-	12.7	13.9	19.9	18.2	19.5	-	-	-	-	-
103.0	75.0	0.0	1.4	0.0	23.1	6.0	15.9	-	-	-	-	-
103.0	80.0	0.0	0.0	2.6	6.0	2.9	-	-	-	-	-	-
103.0	85.0	0.0	-	4.8	-	-	-	-	-	-	-	-
103.0	90.0	0.0	0.0	0.0	7.2	12.6	14.5	0.0	2.6	2.9	-	-
107.0	32.0	0.0	0.0	21.0	10.8	2.0	8.8	19.9	54.0	0.0	-	-
107.0	35.0	0.0	0.0	17.2	16.8	0.0	9.3	24.2	35.0	21.5	-	-
107.0	40.0	0.0	23.8	25.3	24.3	34.9	3.1	-	-	-	-	-
107.0	45.0	0.0	11.9	10.7	2.8	31.8	5.8	-	-	-	-	-
107.0	50.0	0.0	3.0	18.7	50.9	52.4	31.6	-	-	-	-	-
107.0	55.0	0.0	14.9	22.9	44.7	52.8	311.7	-	-	-	-	-
107.0	60.0	0.0	20.6	30.7	17.0	33.1	48.6	-	-	-	-	-
107.0	65.0	0.0	2.7	11.7	18.1	23.4	34.7	-	-	-	-	-
107.0	70.0	0.0	0.0	17.0	8.8	2.9	-	-	-	-	-	-
107.0	75.0	0.0	27.8	0.0	2.9	0.0	8.6	-	-	-	-	-
107.0	80.0	0.0	-	4.8	-	-	-	-	-	-	-	-
107.0	85.0	0.0	2.7	4.5	0.0	12.0	-	1.4	18.1	4.8	-	-
110.0	33.0	0.0	0.0	16.0	8.5	30.4	-	21.2	129.5	24.2	-	-
110.0	35.0	0.0	1.7	7.7	11.4	18.4	-	10.8	26.1	26.1	-	-
110.0	40.0	0.0	3.0	27.7	43.4	45.2	-	18.5	44.2	49.5	-	-
110.0	45.0	0.0	0.0	5.0	18.2	17.5	-	63.6	-	107.3	-	-
110.0	50.0	0.0	8.3	93.1	12.2	27.5	-	34.7	-	335.5	-	-
110.0	55.0	0.0	68.4	7.8	18.2	18.2	-	98.0	-	19.8	-	-
110.0	60.0	0.0	49.3	7.8	13.9	18.2	-	24.4	-	131.1	-	-
110.0	65.0	0.0	0.0	13.4	18.8	2.8	-	273.5	-	32.8	-	-
110.0	70.0	0.0	2.7	47.5	5.5	11.1	-	-	-	-	-	-
110.0	75.0	0.0	0.0	13.2	14.0	0.0	-	-	-	-	-	-
110.0	80.0	0.0	0.0	24.5	0.0	15.2	-	47.9	-	154.9	-	-

TABLE 4. (cont.)

*Triphoturus mexicanus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	85.0	-	37.3	-	-	-	-	18.1	-	145.2	-	-
110.0	90.0	-	15.2	-	-	-	-	2.8	-	5.8	-	-
110.0	100.0	-	-	-	-	-	-	2.8	-	0.0	-	-
110.0	120.0	-	-	-	-	-	-	11.0	5.6	0.0	-	-
113.0	35.0	0.0	2.2	5.5	30.1	2.9	2.9	28.5	87.4	46.4	-	-
113.0	40.0	0.0	11.8	14.4	34.0	34.4	22.7	-	-	-	-	-
113.0	45.0	0.0	33.9	12.2	2.9	67.5	34.4	-	-	-	-	-
113.0	50.0	0.0	11.9	44.0	2.6	56.7	56.7	-	-	-	-	-
113.0	55.0	0.0	6.4	65.6	0.0	70.0	70.0	-	-	-	-	-
113.0	60.0	0.0	53.3	46.6	14.3	31.6	31.6	-	-	-	-	-
113.0	65.0	0.0	14.5	11.1	40.2	91.8	91.8	-	-	-	-	-
113.0	70.0	0.0	15.7	11.1	14.1	-	-	-	-	-	-	-
113.0	75.0	0.0	52.9	0.0	22.8	23.5	23.5	-	-	-	-	-
113.0	80.0	0.0	32.2	0.0	-	-	-	-	-	-	-	-
113.0	85.0	0.0	9.1	0.0	-	-	-	-	-	-	-	-
113.0	90.0	0.0	61.6	-	-	-	-	-	-	-	-	-
113.0	95.0	0.0	8.6	-	-	-	-	85.1	44.8	13.2	-	-
115.0	35.0	-	-	-	-	-	-	-	51.7	0.0	-	-
115.0	40.0	0.0	0.0	5.4	0.0	0.0	2.1	0.0	5.0	0.0	-	-
117.0	26.0	0.0	14.0	37.0	0.0	0.0	8.1	0.0	5.4	2.7	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	73.9	6.0	-	-
117.0	35.0	0.0	3.0	5.8	7.9	16.6	16.6	141.3	13.2	89.6	-	-
117.0	40.0	0.0	10.7	8.3	91.1	50.9	50.9	-	-	-	-	-
117.0	45.0	0.0	41.0	8.3	43.0	64.7	64.7	-	-	-	-	-
117.0	50.0	0.0	16.3	50.9	34.6	25.9	25.9	-	-	-	-	-
117.0	55.0	0.0	52.6	50.0	33.1	0.0	126.7	-	-	-	-	-
117.0	60.0	0.0	37.5	33.1	0.0	29.5	29.5	-	-	-	-	-
117.0	65.0	0.0	699.4	14.6	0.0	14.6	14.6	-	-	-	-	-
117.0	70.0	0.0	141.4	12.2	51.1	286.2	286.2	-	-	-	-	-
117.0	75.0	0.0	7.0	0.0	27.0	-	-	-	-	-	-	-
117.0	80.0	0.0	2.7	2.7	-	-	-	-	-	-	-	-
117.0	85.0	0.0	2.1	0.0	-	-	-	-	-	-	-	-
117.0	90.0	0.0	5.4	0.0	2.6	5.7	5.7	182.9	2.7	37.1	-	-
118.0	29.0	0.0	49.8	0.0	-	-	-	-	7.5	-	-	-
118.5	25.0	-	-	-	-	-	-	-	2.4	-	-	-
118.5	27.5	-	-	-	-	-	-	-	5.3	-	-	-
118.5	30.0	-	-	-	-	-	-	-	2.8	-	-	-
118.5	32.5	-	-	-	-	-	-	-	7.4	-	-	-
119.0	27.5	-	-	-	-	-	-	-	42.6	-	-	-
119.0	30.0	-	-	-	-	-	-	-	-	-	-	-
119.0	32.5	0.0	5.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	-	-
119.0	35.0	0.0	0.0	0.0	2.0	0.0	2.5	1.8	0.0	0.0	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.8	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	-	-
120.0	32.5	0.0	0.0	0.0	0.0	0.0	1.8	8.7	2.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	-	-	1.5	-	-	-

TABLE 4. (cont.)

*Triphoturus mexicanus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	40.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	45.0	1.3	33.2	14.0	11.2	73.2	-	60.0	0.0	50.7	-	-
120.0	50.0	3.1	40.9	50.5	18.3	108.5	-	6.2	-	81.4	-	-
120.0	55.0	2.5	2.9	38.9	11.2	14.8	-	91.8	-	8.6	-	-
120.0	60.0	0.0	2.9	63.1	160.1	85.9	-	47.7	-	17.5	-	-
120.0	65.0	-	5.5	35.6	173.3	77.8	-	100.0	-	25.1	-	-
120.0	70.0	-	2.9	5.7	19.7	33.5	-	-	-	-	-	-
120.0	75.0	-	0.0	8.0	13.4	40.5	-	142.8	-	6.0	-	-
120.0	80.0	-	0.0	8.0	8.3	108.3	-	43.3	-	84.6	-	-
120.0	90.0	-	0.0	0.0	-	-	-	65.8	-	7.9	-	-
120.0	100.0	-	-	-	-	-	-	0.0	-	2.6	-	-
120.0	120.0	-	-	-	-	-	-	-	2.0	-	-	-
121.0	30.0	-	-	-	-	-	-	-	5.5	-	-	-
121.0	32.5	-	-	-	-	-	-	-	1.7	-	-	-
123.0	37.0	-	-	-	-	-	-	-	-	-	-	-
123.0	42.0	0.0	2.2	0.0	0.0	0.0	12.3	0.0	-	5.0	-	-
123.0	45.0	0.0	36.9	25.5	21.1	8.1	35.2	32.7	-	6.0	-	-
123.0	50.0	0.0	101.2	13.4	195.8	0.0	-	13.6	-	9.4	-	-
123.0	55.0	2.8	12.5	9.6	104.4	77.4	24.1	-	-	113.5	-	-
123.0	60.0	0.0	5.9	0.0	86.7	52.7	51.0	-	-	-	-	-
123.0	65.0	2.6	17.1	19.8	8.4	69.7	54.4	-	-	-	-	-
123.0	70.0	-	-	2.4	-	-	-	-	-	-	-	-
123.0	80.0	0.0	-	4.8	-	-	-	-	-	-	-	-
123.0	85.0	0.0	-	2.8	-	-	-	-	-	-	-	-
127.0	34.0	0.0	5.0	9.4	0.0	0.0	0.0	1.7	-	6.1	-	-
127.0	40.0	0.0	24.1	34.7	68.3	0.0	44.3	46.0	-	38.6	-	-
127.0	45.0	1.2	7.9	11.7	37.1	2.7	17.1	-	-	13.7	-	-
127.0	50.0	1.3	8.4	19.5	24.9	0.0	11.5	-	-	83.0	-	-
127.0	55.0	1.4	3.0	13.5	24.4	5.3	18.3	-	-	-	-	-
127.0	60.0	0.0	0.0	24.3	10.8	31.0	48.8	-	-	-	-	-
127.0	65.0	-	-	2.8	-	-	-	-	-	-	-	-
127.0	70.0	0.0	-	3.0	-	-	-	-	-	-	-	-
127.0	75.0	-	-	5.3	-	-	-	-	-	-	-	-
127.0	80.0	0.0	-	5.2	-	-	-	-	-	-	-	-
130.0	30.0	0.0	9.3	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
130.0	35.0	0.0	196.0	0.0	0.0	0.0	0.0	22.3	-	55.7	-	-
130.0	40.0	-	13.2	29.3	0.0	3.1	2.8	12.5	-	0.0	-	-
130.0	45.0	4.5	17.0	2.8	14.3	2.8	2.8	5.2	-	46.9	-	-
130.0	50.0	2.5	8.3	157.7	17.9	0.0	0.0	71.8	-	28.7	-	-
130.0	55.0	0.0	8.9	144.6	2.9	11.7	-	190.4	-	19.4	-	-
130.0	60.0	0.0	20.6	28.5	2.9	8.6	-	81.4	-	30.7	-	-
130.0	70.0	-	-	-	-	-	-	9.5	-	22.2	-	-
130.0	80.0	-	-	-	-	-	-	7.3	-	-	-	-
133.0	30.0	0.0	0.0	5.8	0.0	0.0	-	340.6	-	-	-	-
133.0	35.0	6.4	5.4	232.3	0.0	0.0	-	81.2	-	-	-	-
133.0	40.0	48.6	22.7	22.9	0.0	46.8	-	6.0	-	-	-	-

TABLE 4. (cont.)

<i>Tripnoturus mexicanus</i> (cont.)												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	45.0	2.4	81.6	39.5	-	-	-	13.5	-	-	-	-
133.0	50.0	2.7	49.0	13.9	-	-	-	10.8	-	-	-	-
133.0	55.0	8.5	-	3.8	-	-	-	80.7	-	-	-	-
133.0	60.0	0.0	-	28.7	-	-	-	28.4	-	-	-	-
134.0	36.0	2.8	-	56.4	0.0	2.6	-	53.2	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	-	1.7	8.0	-	-	-
137.0	30.0	0.0	6.2	0.0	0.0	0.0	-	51.5	7.7	-	-	-
137.0	35.0	0.0	21.4	2.4	3.0	50.2	-	34.8	92.1	-	-	-
137.0	40.0	0.0	9.5	26.2	0.0	17.9	-	33.7	26.8	-	-	-
137.0	45.0	0.0	3.0	18.6	-	-	-	103.5	0.0	-	-	-
137.0	50.0	0.0	24.8	32.0	-	-	-	152.3	5.4	-	-	-
137.0	55.0	0.0	-	0.0	-	-	-	111.5	2.8	-	-	-
137.0	60.0	0.0	-	0.0	-	-	-	9.5	2.8	-	-	-
137.0	70.0	18.6	-	2.5	-	-	-	-	-	-	-	-
137.0	75.0	-	-	2.6	-	-	-	-	-	-	-	-
137.0	80.0	5.3	-	0.0	-	-	-	-	-	-	-	-
140.0	40.0	0.0	-	2.9	-	-	-	-	-	-	-	-
140.0	45.0	0.0	-	8.9	-	-	-	-	-	-	-	-
140.0	50.0	2.7	-	6.1	-	-	-	-	-	-	-	-
140.0	55.0	0.0	-	2.7	-	-	-	-	-	-	-	-
140.0	60.0	0.0	-	57.4	-	-	-	-	-	-	-	-
143.0	35.0	0.0	-	6.1	-	-	-	-	-	-	-	-
143.0	45.0	3.0	-	5.8	-	-	-	-	-	-	-	-
143.0	50.0	0.0	-	5.2	-	-	-	-	-	-	-	-
143.0	60.0	0.0	-	32.5	-	-	-	-	-	-	-	-
147.0	35.0	0.0	-	8.8	-	-	-	-	-	-	-	-
147.0	40.0	0.0	-	11.6	-	-	-	-	-	-	-	-
147.0	45.0	0.0	-	15.7	-	-	-	-	-	-	-	-
147.0	55.0	0.0	-	11.5	-	-	-	-	-	-	-	-
147.0	60.0	0.0	-	25.5	-	-	-	-	-	-	-	-
150.0	40.0	0.0	-	2.7	-	-	-	-	-	-	-	-
153.0	35.0	0.0	-	23.0	-	-	-	-	-	-	-	-
153.0	50.0	0.0	-	3.0	-	-	-	-	-	-	-	-
153.0	55.0	0.0	-	10.6	-	-	-	-	-	-	-	-
153.0	60.0	0.0	-	17.2	-	-	-	-	-	-	-	-
153.0	65.0	-	-	2.9	-	-	-	-	-	-	-	-
<i>Centrobranchus</i> spp.												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	200.0	-	-	-	-	-	0.0	-	2.5	-	-	-

TABLE 4. (cont.)

*Diogenichthys* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	30.0	1.2			0.0	0.0	0.0	0.0		0.0		
93.0	35.0	0.0	1.5		0.0	0.0	0.0	0.0		0.0		
93.0	100.0	0.0	1.3		0.0	0.0	0.0	0.0		0.0		
100.0	80.0		1.1	0.0								
100.0	90.0		2.6	0.0				0.0		0.0		
103.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0					
103.0	70.0	0.0	5.6	0.0	0.0	0.0	2.8					
103.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0					
107.0	50.0	0.0	3.0	0.0	0.0	0.0	0.0					
107.0	55.0	0.0	2.2	0.0	0.0	0.0	0.0					
107.0	60.0	0.0	4.4	0.0	0.0	0.0	5.7					
107.0	70.0	0.0	1.3	0.0	0.0	0.0	0.0					
107.0	75.0			4.7	0.0	0.0						
107.0	80.0	0.0	2.3	0.0	0.0	0.0	0.0					
107.0	90.0	11.8		0.0								
110.0	50.0	0.0	0.0	0.0	0.0	2.9		0.0		0.0		
110.0	65.0			0.0	2.7	0.0		0.0		2.8		
110.0	70.0	1.4	0.0	0.0	0.0	0.0		5.6		0.0		
110.0	80.0	2.5	0.0	0.0	0.0	0.0		0.0		0.0		
110.0	90.0	2.8	3.2	3.0				0.0		0.0		
113.0	45.0	0.0	2.4	0.0								
113.0	55.0	0.0	1.7	0.0	0.0	0.0	0.0					
113.0	60.0	0.0	2.1	0.0	0.0	0.0	3.0					
113.0	70.0	2.7	0.0	0.0	0.0	0.0	0.0					
113.0	80.0	0.0	2.8	0.0	0.0	0.0	0.0					
117.0	45.0	0.0	0.0	0.0	0.0	0.0	2.8					
117.0	55.0	5.5	0.0	0.0	0.0	0.0						
117.0	60.0	2.6	0.0	0.0	0.0	0.0	0.0					
117.0	70.0	10.7	3.4	0.0	0.0	0.0	0.0					
117.0	80.0	0.0	1.8	0.0	0.0	0.0	2.9					
120.0	50.0	1.4	0.0	0.0	0.0	0.0		0.0		0.0		
120.0	55.0	4.3	0.0	2.8	0.0	0.0		0.0		0.0		
120.0	60.0	0.0	0.0	0.0	0.0	0.0		2.2		0.0		
120.0	70.0	1.9	0.0	0.0	0.0	0.0		0.0		0.0		
120.0	80.0	1.5	0.0	0.0	0.0	0.0		0.0		0.0		
120.0	90.0	0.8	2.9	0.0				3.1		0.0		
120.0	100.0							2.5		21.8		
120.0	120.0							0.0		31.4		
123.0	30.0							0.0		13.2		
123.0	35.0	0.7	0.0	0.0	0.0	0.0	2.5	0.0		2.5		
123.0	40.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0		0.0		
123.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		6.3		
123.0	50.0	2.8	0.0	2.4	0.0	0.0	2.7	0.0		0.0		
123.0	55.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0		0.0		
127.0	34.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0		6.1		
127.0	40.0	0.0	0.0	0.0	2.1	0.0	0.0	2.4		0.0		
127.0	45.0	0.0	0.0	0.0	0.0	0.0	2.8			0.0		



TABLE 4. (cont.)

*Diogenichthys* spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	50.0	1.4	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
127.0	55.0	6.9	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	60.0	3.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	80.0	19.7	0.0	0.0	0.0	-	-	-	-	-	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	1.4	-	-	0.0	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.7	-	-
130.0	45.0	4.2	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	-	-	2.6	-	-
130.0	55.0	4.1	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
130.0	60.0	11.5	0.0	0.0	0.0	0.0	10.6	-	-	5.7	-	-
130.0	70.0	-	-	-	-	-	12.7	-	-	0.1	-	-
130.0	80.0	-	-	-	-	-	12.2	-	-	0.0	-	-
130.0	100.0	-	-	-	-	-	-	-	-	2.8	-	-
130.0	120.0	-	-	-	-	-	-	4.9	-	7.5	-	-
133.0	35.0	0.0	0.0	0.0	0.0	0.0	6.0	-	-	-	-	-
133.0	40.0	0.0	0.0	0.0	0.0	0.0	13.5	-	-	-	-	-
133.0	55.0	0.0	0.0	0.0	0.0	0.0	-	-	-	2.6	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
137.0	40.0	0.0	0.0	0.0	0.0	0.0	5.2	-	-	0.0	-	-
137.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	5.4	-	-
137.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.8	-	-
137.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
137.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-

*Diogenichthys atlanticus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	120.0	-	-	-	-	-	9.4	-	0.0	-	-	-
60.0	140.0	-	-	-	-	-	3.5	-	43.0	-	-	-
60.0	160.0	-	-	-	-	-	43.0	-	2.7	-	-	-
60.0	180.0	-	-	-	-	-	10.4	-	5.4	-	-	-
60.0	200.0	-	-	-	-	-	8.7	-	19.3	-	-	-
63.0	70.0	2.3	-	0.0	-	-	-	-	-	-	-	-
70.0	120.0	-	-	-	-	-	1.2	-	-	-	-	-
77.0	55.0	0.0	3.0	0.0	0.0	0.0	-	-	-	0.0	-	-
77.0	65.0	-	-	2.8	-	0.0	-	-	-	-	-	-
80.0	80.0	0.0	7.9	0.0	0.0	0.0	0.0	-	0.0	-	-	-
80.0	90.0	0.0	0.0	0.0	3.0	0.0	0.0	-	0.0	-	-	-
80.0	100.0	-	-	-	-	-	3.2	-	0.0	-	-	-
80.0	120.0	-	-	-	-	-	-	-	-	-	-	-
83.0	75.0	-	-	13.3	-	0.0	-	-	-	-	-	-
83.0	85.0	-	-	2.0	-	0.0	-	-	-	-	-	-
83.0	90.0	-	-	2.8	-	0.0	-	-	-	-	-	-
87.0	75.0	-	-	0.0	-	-	-	-	-	-	-	-
87.0	80.0	3.1	5.4	0.0	2.6	-	-	-	-	-	-	-
87.0	85.0	-	-	2.5	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Diogenichthys atlanticus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	90.0	6.0	-	0.0	-	-	-	-	-	-	-	-
90.0	37.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	0.0	-	-
90.0	70.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	75.0	-	-	0.0	0.0	2.8	-	-	-	-	-	-
90.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.8	-	-
90.0	90.0	2.8	15.3	3.3	5.6	2.7	0.0	2.8	-	2.4	-	-
90.0	95.0	0.0	-	0.0	10.7	0.0	-	-	-	-	-	-
90.0	100.0	0.0	0.0	2.6	30.2	0.0	0.0	11.4	-	2.2	-	-
90.0	120.0	-	-	-	-	-	0.0	13.4	-	2.5	-	-
90.0	140.0	-	-	-	-	-	0.0	-	-	5.5	-	-
90.0	180.0	-	-	-	-	-	0.0	-	-	2.8	-	-
93.0	45.0	0.0	0.0	-	3.0	0.0	0.0	-	-	0.0	-	-
93.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	2.7	-	-
93.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	3.0	-	-
93.0	65.0	-	3.0	-	3.0	0.0	0.0	-	-	0.0	-	-
93.0	70.0	0.0	2.8	1.3	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	80.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	85.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	90.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	13.8	-	-
93.0	95.0	-	3.3	-	9.1	3.0	-	-	-	-	-	-
93.0	100.0	0.0	0.0	-	21.0	0.0	11.8	0.0	-	2.9	-	-
97.0	50.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	0.0	-	-
97.0	60.0	0.0	1.6	0.0	3.7	0.0	0.0	-	-	-	-	-
97.0	70.0	0.0	0.0	3.0	-	0.0	0.0	-	-	-	-	-
97.0	80.0	-	0.0	9.1	-	0.0	0.0	-	-	-	-	-
97.0	85.0	-	-	8.8	-	0.0	-	-	-	-	-	-
97.0	90.0	-	1.3	-	-	0.0	-	-	-	-	-	-
100.0	55.0	0.0	0.0	0.0	-	0.0	-	0.0	-	6.2	-	-
100.0	60.0	0.0	0.0	0.0	-	0.0	-	0.0	-	5.4	-	-
100.0	65.0	-	-	6.0	-	0.0	-	0.0	-	2.9	-	-
100.0	70.0	0.0	4.5	2.3	-	0.0	-	2.5	-	0.0	-	-
100.0	85.0	-	-	5.3	-	0.0	-	-	-	-	-	-
100.0	90.0	0.0	0.0	4.7	-	0.0	-	0.0	-	0.0	-	-
100.0	100.0	-	-	-	-	-	-	-	-	6.4	-	-
100.0	120.0	-	-	-	-	-	-	2.6	-	0.0	-	-
103.0	55.0	0.0	0.0	2.2	0.0	0.0	0.0	-	-	-	-	-
103.0	60.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	-	-	-
103.0	65.0	-	-	3.5	0.0	0.0	0.0	-	-	-	-	-
103.0	70.0	-	8.4	0.0	2.2	0.0	0.0	-	-	-	-	-
103.0	80.0	0.0	0.0	18.1	0.0	0.0	0.0	-	-	-	-	-
103.0	90.0	25.0	-	0.0	-	-	-	-	-	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.1	-	-
107.0	50.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	-	-	-	-
107.0	60.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-	-	-	-
107.0	75.0	2.2	-	0.0	0.0	2.9	-	-	-	-	-	-
107.0	80.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	-	-	-

TABLE 4. (cont.)

*Diogenichthys atlanticus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110-0	40.0	0.0	0.0	0.0	0.0	3.1	-	0.0	0.0	0.0	-	-
110-0	50.0	2.9	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
110-0	55.0	0.0	2.8	0.0	0.0	0.0	-	0.0	-	0.0	-	-
110-0	65.0	-	-	0.0	0.0	0.0	-	2.8	-	5.6	-	-
110-0	120.0	-	-	-	-	-	-	0.0	-	0.0	-	-
113-0	40.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-	-	-
113-0	55.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	-	-	-
113-0	60.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-	-	-	-
113-0	65.0	-	-	0.0	0.0	0.0	0.0	-	-	-	-	-
117-0	45.0	0.0	0.0	0.0	0.0	0.0	5.7	-	-	-	-	-
117-0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
120-0	60.0	0.0	0.0	2.9	0.0	0.0	-	0.0	-	3.0	-	-
120-0	70.0	-	-	0.0	0.0	0.0	-	2.9	-	0.0	-	-
120-0	80.0	-	-	0.0	0.0	0.0	-	14.0	-	0.0	-	-
120-0	90.0	-	-	0.0	0.0	0.0	-	0.0	-	2.7	-	-
120-0	100.0	-	-	0.0	-	-	-	0.0	-	2.6	-	-
120-0	120.0	-	-	-	-	-	-	0.0	-	2.6	-	-
130-0	55.0	0.0	0.0	0.0	0.0	0.0	-	10.4	-	0.0	-	-
130-0	60.0	0.0	0.0	0.0	0.0	0.0	-	3.5	-	0.0	-	-
130-0	120.0	-	-	-	-	-	-	-	-	-	-	-
133-0	35.0	0.0	0.0	0.0	0.0	0.0	-	2.5	-	-	-	-

*Diogenichthys laternatus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90-0	70.0	0.0	0.0	0.0	75.8	0.0	0.0	0.0	-	0.0	-	-
103-0	40.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107-0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
107-0	80.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-
107-0	90.0	0.0	-	2.8	-	-	-	-	-	-	-	-
110-0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	2.5	0.0	-	-
110-0	45.0	5.4	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110-0	50.0	0.0	4.2	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110-0	55.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	2.8	-	-
110-0	65.0	-	-	0.0	0.0	0.0	-	0.0	-	11.4	-	-
110-0	80.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	5.1	-	-
110-0	90.0	0.0	0.0	0.0	0.0	0.0	-	3.0	-	5.3	-	-
113-0	45.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-
113-0	90.0	14.6	-	0.0	-	0.0	2.9	-	-	-	-	-
115-0	35.0	-	-	0.0	-	-	-	-	-	-	-	-
117-0	65.0	-	-	0.0	0.0	0.0	3.0	3.2	0.0	0.0	-	-
117-0	70.0	0.0	0.0	4.4	0.0	0.0	0.0	-	-	-	-	-
117-0	80.0	0.0	0.0	5.3	0.0	0.0	0.0	-	-	-	-	-
119-0	25.0	-	-	-	-	-	-	-	2.5	-	-	-
119-0	33.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.6	-	-

TABLE 4. (cont.)

*Diogenichthys laternatus* (cont.)

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	2.8	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	-	-
120.0	50.0	0.0	3.7	0.0	0.0	0.0	-	3.1	0.0	0.0	-	-
120.0	55.0	0.0	2.8	0.0	0.0	0.0	-	0.0	-	2.8	-	-
120.0	60.0	0.0	0.0	2.9	0.0	0.0	-	0.0	-	17.9	-	-
120.0	65.0	-	0.0	0.0	0.0	0.0	-	2.9	-	0.0	-	-
120.0	70.0	-	0.0	0.0	0.0	0.0	-	0.0	-	13.9	-	-
120.0	90.0	-	0.0	0.0	-	-	-	0.0	-	5.5	-	-
120.0	100.0	-	-	-	-	-	-	0.0	-	7.9	-	-
123.0	42.0	0.0	14.2	0.0	0.0	0.0	0.0	11.9	-	0.0	-	-
123.0	45.0	0.7	2.9	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
123.0	50.0	2.8	3.1	0.0	0.0	0.0	0.0	0.0	-	10.3	-	-
123.0	55.0	1.5	5.9	0.0	0.0	0.0	0.0	-	-	-	-	-
123.0	60.0	2.3	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-
123.0	80.0	0.0	5.6	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	34.0	0.4	0.0	0.0	3.7	0.0	0.0	0.0	-	0.0	-	-
127.0	40.0	24.1	5.4	2.5	0.0	0.0	0.0	0.0	-	9.7	-	-
127.0	45.0	5.1	0.0	2.9	0.0	0.0	0.0	-	-	13.7	-	-
127.0	50.0	1.3	2.8	0.0	0.0	0.0	0.0	-	-	0.0	-	-
127.0	55.0	0.0	0.0	5.5	0.0	0.0	0.0	-	-	-	-	-
127.0	60.0	0.0	0.0	5.4	8.1	12.9	0.0	-	-	-	-	-
127.0	75.0	-	2.7	0.0	-	-	-	-	-	-	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
130.0	35.0	0.0	84.0	0.0	0.0	0.0	-	0.0	-	5.1	-	-
130.0	40.0	0.0	26.4	0.0	0.0	0.0	-	0.0	-	0.0	-	-
130.0	45.0	-	7.3	13.6	0.0	0.0	-	2.6	-	27.6	-	-
130.0	50.0	-	8.7	2.8	0.0	0.0	-	2.9	-	2.6	-	-
130.0	55.0	-	6.9	3.0	0.0	8.8	-	0.0	-	5.5	-	-
130.0	60.0	-	0.0	5.9	0.0	2.9	-	0.0	-	0.0	-	-
130.0	70.0	-	-	-	-	-	-	79.5	-	0.0	-	-
130.0	80.0	-	-	-	-	-	-	2.4	-	11.1	-	-
133.0	30.0	2.8	5.2	0.0	0.0	0.0	-	3.4	-	-	-	-
133.0	35.0	0.0	0.0	2.7	0.0	0.0	-	4.9	-	-	-	-
133.0	40.0	40.8	42.9	31.2	0.0	0.0	-	0.0	-	-	-	-
133.0	45.0	7.2	89.3	62.8	0.0	0.0	-	0.0	-	-	-	-
133.0	50.0	18.8	37.3	9.2	5.6	0.0	-	0.0	-	-	-	-
133.0	55.0	11.3	-	-	14.5	0.0	-	0.0	-	-	-	-
133.0	60.0	0.0	-	-	14.3	0.0	-	2.6	-	-	-	-
134.0	36.0	11.2	11.6	2.8	0.0	0.0	-	0.0	-	0.0	-	-
137.0	23.0	0.0	1.3	0.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	30.0	0.0	10.4	14.1	0.0	0.0	-	0.0	-	5.1	-	-
137.0	35.0	2.0	0.0	30.5	0.0	3.0	-	0.0	-	7.9	-	-
137.0	40.0	0.0	14.3	9.5	0.0	0.0	-	0.0	-	2.7	-	-
137.0	45.0	2.8	0.0	6.0	0.0	0.0	-	49.5	-	0.0	-	-
137.0	50.0	2.6	12.0	22.1	90.8	-	-	23.2	-	0.0	-	-
137.0	55.0	0.0	-	54.8	-	-	-	24.5	-	0.0	-	-

TABLE 4. (cont.)

STATION	<i>Diogenichthys laternatus</i> (cont.)											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	60.0	0.0	-	35.8	-	-	-	23.8	-	2.8	-	-
137.0	65.0	-	-	8.1	-	-	-	-	-	-	-	-
137.0	70.0	7.0	-	5.0	-	-	-	-	-	-	-	-
137.0	80.0	36.8	-	5.8	-	-	-	-	-	-	-	-
140.0	30.0	0.0	-	0.0	-	-	-	2.9	-	-	-	-
140.0	35.0	8.8	-	0.0	-	-	-	-	-	-	-	-
140.0	40.0	0.0	-	2.9	-	-	-	-	-	-	-	-
140.0	45.0	0.0	-	6.0	-	-	-	-	-	-	-	-
140.0	50.0	13.6	-	48.8	-	-	-	-	-	-	-	-
140.0	55.0	5.4	-	21.6	-	-	-	-	-	-	-	-
140.0	60.0	8.1	-	20.9	-	-	-	0.0	-	-	-	-
143.0	26.0	0.0	-	5.0	-	-	-	-	-	-	-	-
143.0	30.0	0.0	-	6.1	-	-	-	-	-	-	-	-
143.0	35.0	0.0	-	12.1	-	-	-	-	-	-	-	-
143.0	40.0	0.0	-	3.0	-	-	-	-	-	-	-	-
143.0	45.0	6.0	-	0.0	-	-	-	-	-	-	-	-
143.0	50.0	0.0	-	33.5	-	-	-	-	-	-	-	-
143.0	55.0	0.0	-	19.5	-	-	-	-	-	-	-	-
143.0	60.0	2.9	-	73.2	-	-	-	-	-	-	-	-
147.0	20.0	8.2	-	0.0	-	-	-	-	-	-	-	-
147.0	25.0	0.0	-	2.9	-	-	-	-	-	-	-	-
147.0	30.0	0.0	-	2.9	-	-	-	-	-	-	-	-
147.0	40.0	0.0	-	31.9	-	-	-	-	-	-	-	-
147.0	45.0	2.9	-	8.5	-	-	-	-	-	-	-	-
147.0	50.0	0.0	-	25.6	-	-	-	-	-	-	-	-
147.0	55.0	13.9	-	8.6	-	-	-	-	-	-	-	-
147.0	60.0	41.3	-	328.3	-	-	-	-	-	-	-	-
150.0	19.0	7.9	-	0.0	-	-	-	-	-	-	-	-
150.0	25.0	8.9	-	0.0	-	-	-	-	-	-	-	-
150.0	35.0	2.6	-	0.0	-	-	-	-	-	-	-	-
150.0	40.0	0.0	-	13.7	-	-	-	-	-	-	-	-
150.0	45.0	0.0	-	65.3	-	-	-	-	-	-	-	-
150.0	50.0	0.0	-	72.5	-	-	-	-	-	-	-	-
153.0	20.0	0.0	-	2.9	-	-	-	-	-	-	-	-
153.0	35.0	0.0	-	11.5	-	-	-	-	-	-	-	-
153.0	40.0	0.0	-	6.1	-	-	-	-	-	-	-	-
153.0	45.0	5.1	-	11.4	-	-	-	-	-	-	-	-
153.0	50.0	27.6	-	14.9	-	-	-	-	-	-	-	-
153.0	55.0	5.2	-	135.2	-	-	-	-	-	-	-	-
153.0	60.0	24.9	-	37.3	-	-	-	-	-	-	-	-
153.0	65.0	-	-	17.3	-	-	-	-	-	-	-	-
153.0	70.0	2.5	-	52.3	-	-	-	-	-	-	-	-
153.0	80.0	19.7	-	-	-	-	-	-	-	-	-	-
157.0	10.0	3.1	-	-	-	-	-	-	-	-	-	-
157.0	15.0	52.6	-	-	-	-	-	-	-	-	-	-
157.0	20.0	70.2	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Diogenichthys laternatus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
157.0	25.0	-	-	-	-	-	-	-	-	-	-	-
157.0	30.0	10.4	-	-	-	-	-	-	-	-	-	-
157.0	35.0	28.5	-	-	-	-	-	-	-	-	-	-
157.0	40.0	11.3	-	-	-	-	-	-	-	-	-	-
157.0	45.0	120.4	-	-	-	-	-	-	-	-	-	-
157.0	50.0	31.3	-	-	-	-	-	-	-	-	-	-
157.0	58.0	6.8	-	-	-	-	-	-	-	-	-	-
157.0	70.0	20.2	-	-	-	-	-	-	-	-	-	-
157.0	80.0	6.2	-	-	-	-	-	-	-	-	-	-

*Electrona rissoi*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	140.0	-	-	-	-	-	0.0	-	2.7	-	-	-

*Gonichthys tenuiculus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	80.0	3.0	-	0.0	0.0	-	2.7	-	-	-	-	-
110.0	80.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
113.0	45.0	0.0	3.0	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
120.0	55.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.8	-	-
120.0	120.0	-	-	-	-	-	-	-	-	2.6	-	-
123.0	55.0	1.1	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
123.0	60.0	1.1	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
123.0	70.0	7.6	-	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	40.0	1.4	0.0	0.0	0.0	0.0	2.8	0.0	-	0.0	-	-
127.0	50.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	55.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-	-	-	-
127.0	60.0	1.5	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
130.0	35.0	4.2	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
130.0	40.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
130.0	45.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
130.0	50.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
130.0	55.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
130.0	60.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
130.0	100.0	-	-	-	-	-	-	-	-	-	-	-
130.0	120.0	-	-	-	-	-	-	-	-	-	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	-	2.8	-	-
133.0	40.0	10.9	0.0	0.0	0.0	0.0	0.0	1.1	-	2.5	-	-

TABLE 4. (cont.)

*Gonichthys tenuiculus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	45.0	0.0	0.0	0.0	—	—	—	0.0	—	—	—	—
133.0	50.0	8.6	0.0	0.0	—	—	—	0.0	—	—	—	—
133.0	55.0	0.0	0.0	0.0	—	—	—	0.0	—	—	—	—
137.0	40.0	2.8	0.0	0.0	—	—	—	0.0	—	—	—	—
137.0	45.0	7.1	0.0	0.0	0.0	—	—	0.0	0.0	—	—	—
137.0	50.0	0.0	2.3	0.0	—	—	—	0.0	0.0	—	—	—
137.0	55.0	0.0	0.0	0.0	—	—	—	0.0	0.0	—	—	—
137.0	60.0	2.7	2.8	2.7	—	—	—	0.0	0.0	—	—	—
137.0	80.0	5.3	—	0.0	—	—	—	0.0	—	—	—	—
143.0	40.0	0.0	—	3.0	—	—	—	—	—	—	—	—
143.0	60.0	0.0	—	2.7	—	—	—	—	—	—	—	—
147.0	30.0	2.9	—	0.0	—	—	—	—	—	—	—	—
147.0	40.0	0.0	—	2.9	—	—	—	—	—	—	—	—
147.0	45.0	2.9	—	2.8	—	—	—	—	—	—	—	—
147.0	50.0	5.6	—	2.8	—	—	—	—	—	—	—	—
147.0	55.0	0.0	—	2.9	—	—	—	—	—	—	—	—
150.0	30.0	2.4	—	0.0	—	—	—	—	—	—	—	—
150.0	50.0	0.0	—	3.0	—	—	—	—	—	—	—	—
153.0	50.0	0.0	—	3.0	—	—	—	—	—	—	—	—
153.0	55.0	0.0	—	10.6	—	—	—	—	—	—	—	—
153.0	60.0	0.0	—	2.9	—	—	—	—	—	—	—	—
153.0	70.0	0.0	—	2.8	—	—	—	—	—	—	—	—
153.0	80.0	0.0	—	—	—	—	—	—	—	—	—	—
157.0	10.0	3.1	—	—	—	—	—	—	—	—	—	—
157.0	20.0	5.2	—	—	—	—	—	—	—	—	—	—

*Hygophum* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	200.0	—	—	—	—	—	2.9	—	0.0	—	—	—
90.0	200.0	—	—	—	—	—	9.8	—	0.0	—	—	—
93.0	100.0	—	—	—	—	—	0.0	2.6	0.0	—	—	—
100.0	55.0	6.2	—	0.0	0.0	0.0	—	0.0	0.0	—	—	—
100.0	70.0	—	3.0	0.0	—	0.0	—	0.0	0.0	—	—	—
107.0	80.0	0.0	0.0	5.5	0.0	0.0	0.0	—	—	—	—	—
110.0	50.0	0.0	0.0	0.0	0.0	0.0	—	0.0	—	—	—	—
110.0	90.0	5.5	0.0	0.0	0.0	0.0	—	0.0	0.0	—	—	—
113.0	55.0	0.0	0.0	0.0	0.0	0.0	—	—	—	—	—	—
113.0	80.0	2.8	0.0	0.0	0.0	0.0	—	—	—	—	—	—
113.0	90.0	5.8	—	0.0	—	—	—	—	—	—	—	—
117.0	65.0	—	—	2.0	0.0	0.0	—	—	—	—	—	—
117.0	70.0	5.3	0.0	0.0	0.0	0.0	—	—	—	—	—	—
123.0	60.0	—	1.1	0.0	0.0	0.0	—	—	—	—	—	—
127.0	40.0	—	1.4	0.0	0.0	0.0	—	0.0	—	—	—	—
127.0	50.0	—	2.7	0.0	0.0	0.0	—	—	0.0	—	—	—

TABLE 4. (cont.)

*Hygophum* spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	80.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.0	30.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.0	40.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.0	45.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.0	50.0	1.4	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.0	55.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.0	60.0	2.9	0.0	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	2.3	0.0	0.0	0.0	0.0
133.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0
133.0	40.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.0	45.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.0	50.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133.0	60.0	2.9	0.0	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	0.0	0.0	0.0	0.0
137.0	40.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0
137.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.0	55.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0
137.0	70.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.0	80.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.0	45.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.0	50.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.0	55.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
143.0	60.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	30.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	45.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	55.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	60.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153.0	40.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153.0	55.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
153.0	80.0	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.0	15.0	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.0	20.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.0	35.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.0	70.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TABLE 4. (cont.)

*Hygophum atratum*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	80.0	2.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	90.0	5.9	-	0.0	-	-	-	-	-	-	-	-
110.0	90.0	2.8	0.0	0.0	-	-	-	0.0	-	0.0	-	-
127.0	45.0	-	0.0	0.0	0.0	0.0	0.0	-	-	3.4	-	-
130.0	50.0	-	0.0	0.0	0.0	0.0	-	0.0	-	5.2	-	-
130.0	80.0	-	-	-	-	-	-	-	-	30.5	-	-
133.0	40.0	0.0	2.9	0.0	0.0	0.0	-	0.0	-	-	-	-
133.0	45.0	0.0	2.9	3.1	0.0	0.0	-	0.0	-	5.3	-	-
137.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	5.4	-	-
137.0	40.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	5.4	-	-
137.0	45.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	8.1	-	-
137.0	50.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	11.0	-	-
137.0	55.0	0.0	-	-	-	-	-	0.0	-	5.5	-	-
137.0	60.0	0.0	-	-	-	-	-	0.0	-	-	-	-
140.0	60.0	0.0	-	-	-	-	-	-	-	-	-	-
147.0	50.0	8.4	-	-	-	-	-	-	-	-	-	-
150.0	45.0	0.0	-	-	-	-	-	-	-	-	-	-
150.0	50.0	0.0	-	-	-	-	-	-	-	-	-	-
153.0	55.0	0.0	-	-	-	-	-	-	-	-	-	-
157.0	15.0	5.5	-	-	-	-	-	-	-	-	-	-

*Hygophum proximum*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	180.0	-	-	-	-	-	3.0	-	-	0.0	-	-
130.0	120.0	-	-	-	-	-	-	-	-	2.5	-	-

*Hygophum reinhardtii*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	160.0	-	-	-	-	-	8.2	-	2.7	-	-	-
60.0	180.0	-	-	-	-	-	6.3	-	8.1	-	-	-
60.0	200.0	-	-	-	-	-	11.6	-	0.0	-	-	-
70.0	200.0	-	-	-	-	-	5.0	-	2.5	-	-	-
80.0	200.0	-	-	-	-	-	21.2	-	4.3	-	-	-
80.0	100.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	120.0	-	-	-	-	-	-	0.0	-	2.5	-	-
90.0	140.0	-	-	-	-	-	0.0	-	-	11.0	-	-
90.0	160.0	-	-	-	-	-	6.7	-	-	5.7	-	-
90.0	180.0	-	-	-	-	-	32.8	-	-	8.5	-	-
90.0	200.0	-	-	-	-	-	0.0	-	5.0	-	-	-
93.0	100.0	-	0.0	0.0	3.0	0.0	0.0	0.0	-	0.0	-	-
97.0	80.0	-	0.0	0.0	6.1	0.0	0.0	-	-	-	-	-
97.0	85.0	-	-	-	2.9	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

*Hygophum reinhardtii* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	65.0	-	-	3.0	-	0.0	-	0.0	-	11.7	-	-
100.0	70.0	-	0.0	4.5	-	0.0	-	0.0	-	0.0	-	-
100.0	75.0	-	-	3.2	-	0.0	-	-	-	-	-	-
100.0	100.0	-	-	-	-	-	-	12.5	-	0.0	-	-
100.0	120.0	-	-	-	-	-	-	2.6	-	2.8	-	-
103.0	55.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-	-	-	-
103.0	85.0	-	-	2.6	-	-	-	-	-	-	-	-
107.0	90.0	0.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-
110.0	90.0	0.0	0.0	0.0	-	-	-	-	-	-	-	-
113.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0	85.0	-	-	3.1	-	-	-	-	-	-	-	-
117.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	90.0	-	-	0.0	-	-	-	-	-	-	-	-
120.0	100.0	-	-	-	-	-	-	0.0	-	2.6	-	-
127.0	75.0	-	-	2.7	-	-	-	-	-	-	-	-
140.0	60.0	0.0	-	2.6	-	-	-	-	-	-	-	-
147.0	55.0	13.9	-	0.0	-	-	-	-	-	-	-	-
147.0	60.0	0.0	-	8.5	-	-	-	-	-	-	-	-
150.0	45.0	0.0	-	6.2	-	-	-	-	-	-	-	-
153.0	55.0	0.0	-	5.3	-	-	-	-	-	-	-	-
153.0	60.0	0.0	-	2.9	-	-	-	-	-	-	-	-
153.0	70.0	0.0	-	5.5	-	-	-	-	-	-	-	-

*Loweina rara*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	80.0	0.0	0.0	0.0	-	0.0	0.0	-	2.7	-	-	-
87.0	80.0	0.0	0.0	0.0	-	-	2.7	-	-	-	-	-
110.0	90.0	0.0	0.0	0.0	-	-	-	0.0	-	2.6	-	-
110.0	120.0	-	-	-	-	-	-	0.0	-	2.8	-	-
120.0	55.0	-	0.0	2.8	0.0	0.0	-	0.0	-	0.0	-	-
120.0	80.0	-	0.0	0.0	0.0	0.0	-	0.0	-	3.0	-	-
120.0	120.0	-	-	-	-	-	-	0.0	-	-	-	-
123.0	60.0	-	1.1	0.0	0.0	0.0	0.0	-	-	2.6	-	-
147.0	60.0	-	-	2.8	-	-	-	-	-	-	-	-
153.0	70.0	-	-	2.8	-	-	-	-	-	-	-	-

*Myctophum aurolateratum*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
157.0	15.0	-	-	-	-	-	-	-	-	-	-	-
157.0	20.0	-	-	-	-	-	-	-	-	-	-	-
157.0	40.0	-	-	-	-	-	-	-	-	-	-	-
157.0	45.0	-	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

<i>Myctophum nitidulum</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	160.0	-	-	-	-	-	2.0	-	0.0	-	-	-
60.0	200.0	-	-	-	-	-	0.0	-	2.4	-	-	-
90.0	100.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-	-
90.0	160.0	-	-	-	-	-	3.3	-	-	2.8	-	-
90.0	200.0	-	-	-	-	-	0.0	-	2.5	-	-	-
93.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.8	-	-
97.0	85.0	-	-	-	-	-	-	-	-	-	-	-
100.0	60.0	0.0	0.0	0.0	0.0	3.0	-	-	-	0.0	-	-
100.0	65.0	-	-	-	-	0.0	-	0.0	-	5.9	-	-
100.0	70.0	-	1.3	0.0	0.0	0.0	-	0.0	-	15.7	-	-
100.0	75.0	-	3.2	-	-	0.0	-	-	-	-	-	-
100.0	80.0	-	0.0	0.0	-	0.0	-	0.0	-	2.9	-	-
100.0	85.0	-	2.7	-	0.0	0.0	-	0.0	-	0.0	-	-
100.0	90.0	0.0	1.3	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0	100.0	-	-	-	-	-	-	-	-	-	-	-
100.0	120.0	-	-	-	-	-	-	-	-	-	-	-
103.0	45.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
103.0	70.0	6.3	0.0	0.0	0.0	0.0	2.8	-	-	-	-	-
107.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	85.0	-	-	-	-	-	-	-	-	2.8	-	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
110.0	70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	5.3	-	-
110.0	90.0	0.0	1.6	0.0	0.0	-	-	0.0	-	2.8	-	-
110.0	120.0	-	-	-	-	-	-	-	-	-	-	-
113.0	65.0	-	-	-	-	0.0	0.0	2.9	0.0	-	-	-
113.0	80.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	-	-	-
113.0	90.0	2.9	-	-	-	-	-	-	-	-	-	-
117.0	70.0	0.0	1.7	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	80.0	0.0	3.5	0.0	0.0	0.0	0.0	2.9	-	-	-	-
120.0	55.0	-	0.0	0.0	0.0	0.0	-	-	2.5	0.0	-	-
120.0	70.0	-	1.5	0.0	0.0	0.0	-	-	0.0	0.0	-	-
120.0	80.0	-	3.0	0.0	0.0	0.0	-	-	0.0	0.0	-	-
120.0	90.0	-	0.0	0.0	0.0	0.0	-	-	6.2	0.0	-	-
120.0	120.0	-	-	-	-	-	-	-	-	2.6	-	-
130.0	60.0	-	0.0	0.0	0.0	0.0	-	-	0.0	2.8	-	-
130.0	70.0	-	-	-	-	-	-	-	0.0	2.6	-	-
133.0	45.0	0.0	2.9	0.0	0.0	-	-	-	0.0	-	-	-
<i>Protomyctophum crockeri</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	45.0	-	-	-	-	-	-	-	-	-	-	-
40.0	50.0	-	4.7	-	-	-	-	-	-	-	-	-
40.0	55.0	-	8.0	-	-	-	-	-	-	-	-	-
40.0	60.0	-	8.7	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Protomyctophum crockeri* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	70.0	4.7	-	26.4	-	-	-	-	-	-	-	-
43.0	45.0	-	-	10.3	-	-	-	-	-	-	-	-
43.0	50.0	-	-	2.9	-	-	-	-	-	-	-	-
43.0	55.0	-	-	2.2	-	-	-	-	-	-	-	-
43.0	60.0	-	-	2.1	-	-	-	-	-	-	-	-
43.0	60.0	-	-	2.3	-	-	-	-	-	-	-	-
47.0	90.0	-	-	4.4	-	-	-	-	-	-	-	-
47.0	90.0	-	-	2.5	-	-	2.4	-	-	-	-	-
50.0	50.0	-	-	0.0	-	-	7.5	-	-	-	-	-
50.0	55.0	-	-	2.0	-	-	-	-	-	-	-	-
50.0	60.0	-	-	0.0	-	-	-	-	-	-	-	-
50.0	70.0	-	-	11.6	-	-	-	-	-	-	-	-
50.0	70.0	-	-	0.0	-	-	-	-	-	-	-	-
50.0	90.0	-	-	3.1	-	-	-	-	-	-	-	-
53.0	55.0	-	-	0.0	-	-	-	-	-	-	-	-
53.0	57.0	-	-	3.1	-	-	-	-	-	-	-	-
53.0	60.0	-	-	6.5	-	-	-	-	-	-	-	-
53.0	60.0	-	-	1.6	-	-	-	-	-	-	-	-
53.0	70.0	-	-	5.1	-	-	-	-	-	-	-	-
53.0	80.0	-	-	1.7	-	-	-	-	-	-	-	-
57.0	55.0	-	-	4.6	-	-	-	-	-	-	-	-
57.0	57.0	-	-	-	-	-	-	-	-	-	-	-
57.0	60.0	-	-	3.3	-	-	-	-	-	-	-	-
57.0	70.0	-	-	0.0	-	-	1.4	-	-	-	-	-
60.0	55.0	-	-	3.8	-	-	-	-	0.0	-	-	-
60.0	57.0	-	-	-	-	-	-	-	2.7	-	-	-
60.0	60.0	-	-	2.2	-	-	3.0	-	0.0	-	-	-
60.0	70.0	-	-	6.6	-	-	7.7	-	0.0	-	-	-
60.0	80.0	-	-	3.7	-	-	0.0	-	0.0	-	-	-
60.0	90.0	-	-	25.3	-	-	2.7	-	3.6	-	-	-
60.0	100.0	-	-	4.4	-	-	3.9	-	3.1	-	-	-
60.0	120.0	-	-	-	-	-	2.4	-	3.1	-	-	-
60.0	140.0	-	-	-	-	-	1.8	-	10.8	-	-	-
63.0	55.0	-	-	0.0	-	-	-	-	5.3	-	-	-
63.0	60.0	-	-	37.3	-	-	-	-	0.0	-	-	-
63.0	70.0	-	-	11.6	-	-	-	-	-	-	-	-
63.0	80.0	-	-	6.4	-	-	-	-	-	-	-	-
63.0	90.0	-	-	-	-	-	-	-	-	-	-	-
67.0	50.0	-	-	2.5	-	-	-	-	0.0	-	-	-
67.0	60.0	-	-	4.1	-	-	-	-	2.7	-	-	-
67.0	70.0	-	-	0.0	-	-	-	-	-	-	-	-
67.0	100.0	-	-	0.0	-	-	-	-	-	-	-	-
70.0	52.0	-	-	2.1	-	-	-	-	-	-	-	-
70.0	53.0	-	-	-	-	-	3.7	-	4.4	-	-	-
70.0	70.0	-	-	0.0	-	-	2.9	-	0.0	-	-	-
70.0	80.0	-	-	0.0	-	-	3.0	-	0.0	-	-	-
70.0	100.0	-	-	2.6	-	-	0.0	-	8.3	-	-	-
70.0	200.0	-	-	-	-	-	5.0	-	2.5	-	-	-

TABLE 4. (cont.)

*Protomyctophum crockeri* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
73-0	51.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
73-0	53.0	5.2	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
73-0	55.0	0.0	0.0	0.0	0.0	3.2	-	-	-	0.0	-	-
73-0	60.0	0.0	0.0	2.3	0.0	0.0	-	-	-	0.0	-	-
73-0	70.0	0.0	2.7	2.5	0.0	0.0	-	-	-	-	-	-
73-0	80.0	3.3	-	0.0	-	-	-	-	-	-	-	-
77-0	53.0	1.6	-	0.0	0.0	0.0	-	-	-	0.0	-	-
77-0	55.0	2.5	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
77-0	60.0	0.0	13.8	2.3	0.0	0.0	-	-	-	0.0	-	-
77-0	70.0	0.0	14.5	0.0	0.0	0.0	-	-	-	-	-	-
77-0	80.0	2.2	0.0	2.7	0.0	2.7	0.0	0.0	0.0	-	-	-
77-0	90.0	-	0.0	2.5	-	0.0	0.0	0.0	0.0	-	-	-
80-0	52.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
80-0	55.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
80-0	57.0	2.1	2.8	-	-	-	-	-	-	0.0	-	-
80-0	60.0	0.0	2.5	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-
80-0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	-	-
80-0	80.0	0.0	0.0	15.8	0.0	0.0	0.0	0.0	0.0	10.8	-	-
80-0	90.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	2.2	-	-
80-0	120.0	0.0	-	0.0	-	-	3.2	-	-	-	-	-
83-0	55.0	2.5	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
83-0	60.0	2.3	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	-	-
83-0	65.0	-	0.0	0.0	-	-	0.0	-	-	-	-	-
83-0	70.0	2.0	0.0	0.0	-	-	4.6	4.8	-	-	-	-
83-0	75.0	-	0.0	5.3	-	-	0.0	-	-	-	-	-
83-0	80.0	3.7	0.0	0.0	-	-	0.0	0.0	-	-	-	-
83-0	85.0	-	0.0	2.0	-	5.4	-	-	-	-	-	-
83-0	90.0	0.0	9.6	0.0	-	-	-	-	-	-	-	-
83-0	100.0	6.8	-	-	-	-	-	-	-	-	-	-
87-0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
87-0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	-	-
87-0	50.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-	-
87-0	55.0	12.4	0.0	0.0	0.0	0.0	0.0	-	3.0	0.0	-	-
87-0	60.0	3.2	0.0	7.1	0.0	0.0	0.0	-	2.8	0.0	-	-
87-0	65.0	-	13.9	2.3	0.0	2.8	0.0	-	-	-	-	-
87-0	70.0	2.5	0.0	2.3	-	0.0	0.0	-	-	-	-	-
87-0	75.0	-	0.0	0.0	-	5.2	0.0	-	-	-	-	-
87-0	80.0	0.0	2.7	0.0	-	-	0.0	-	-	-	-	-
87-0	90.0	3.8	0.0	0.0	-	-	-	-	-	-	-	-
87-0	100.0	2.5	-	-	-	-	-	-	-	-	-	-
90-0	28.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-	2.0	-	-
90-0	32.0	0.0	0.0	5.2	0.0	0.0	2.9	0.0	-	0.0	-	-
90-0	37.0	0.0	0.0	0.0	12.1	0.0	0.0	0.0	-	0.0	-	-
90-0	45.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-	0.0	-	-
90-0	50.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-	0.0	-	-
90-0	53.0	0.0	0.0	0.0	-	-	0.0	5.4	-	0.0	-	-

TABLE 4. (cont.)

*Protomyctophum crockeri* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	55.0	-	1.9	0.0	0.0	0.0	-	-	-	-	-	-
90.0	60.0	5.8	0.0	3.4	0.0	0.0	6.0	0.0	-	0.0	-	-
90.0	65.0	-	0.0	0.0	3.0	6.3	0.0	-	-	2.7	-	-
90.0	70.0	0.0	2.7	3.2	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	75.0	-	-	0.0	0.0	8.5	-	-	-	-	-	-
90.0	80.0	3.0	11.6	14.1	0.0	0.0	0.0	0.0	-	5.5	-	-
90.0	85.0	0.0	2.8	9.2	0.0	2.7	0.0	0.0	-	0.0	-	-
90.0	90.0	-	-	0.0	0.0	0.0	0.0	0.0	-	-	-	-
90.0	95.0	-	-	0.0	3.6	0.0	-	-	-	-	-	-
90.0	100.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	120.0	-	-	-	-	-	-	3.3	-	0.0	-	-
90.0	180.0	-	-	-	-	-	3.0	2.8	-	0.0	-	-
93.0	30.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	35.0	2.3	1.4	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	40.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	45.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	-	0.0	-	-
93.0	50.0	2.6	2.8	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	55.0	1.9	0.0	0.0	0.0	3.0	2.9	0.0	-	0.0	-	-
93.0	60.0	0.0	0.0	0.0	6.3	0.0	6.0	0.0	-	0.0	-	-
93.0	65.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	0.0	-	-
93.0	70.0	5.4	11.2	1.4	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	75.0	-	2.8	2.8	0.0	0.0	-	-	-	-	-	-
93.0	80.0	2.9	6.8	19.5	5.9	0.0	0.0	6.2	-	3.1	-	-
93.0	85.0	-	0.0	27.4	0.0	0.0	0.0	-	-	0.0	-	-
93.0	90.0	0.0	0.0	1.5	0.0	0.0	2.9	0.0	-	0.0	-	-
93.0	95.0	-	-	16.5	3.0	5.9	-	-	-	-	-	-
93.0	100.0	-	2.5	2.6	3.0	0.0	0.0	0.0	-	0.0	-	-
97.0	30.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	40.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	45.0	0.0	3.0	0.0	0.0	2.6	0.0	0.0	-	2.9	-	-
97.0	50.0	0.0	0.0	-	0.0	0.0	5.8	-	-	0.0	-	-
97.0	55.0	0.0	3.1	0.0	5.9	5.7	5.7	-	-	0.0	-	-
97.0	60.0	0.0	0.0	6.3	3.7	0.0	5.8	-	-	-	-	-
97.0	65.0	0.0	3.1	3.0	0.0	0.0	0.0	-	-	-	-	-
97.0	70.0	2.8	0.0	0.0	3.0	0.0	0.0	-	-	-	-	-
97.0	75.0	-	-	0.0	3.0	3.0	0.0	-	-	-	-	-
97.0	80.0	0.0	0.0	9.1	-	0.0	0.0	-	-	-	-	-
97.0	85.0	-	-	2.9	-	2.6	-	-	-	-	-	-
97.0	90.0	0.0	0.0	-	-	0.0	-	0.0	-	0.0	-	-
100.0	30.0	0.0	1.4	0.0	0.0	0.0	-	0.0	-	0.0	-	-
100.0	35.0	0.0	2.8	2.8	2.9	2.9	-	3.1	-	0.0	-	-
100.0	40.0	0.0	1.7	2.2	2.8	2.8	-	0.0	-	0.0	-	-
100.0	45.0	0.0	0.0	0.0	0.0	0.0	-	2.8	-	0.0	-	-
100.0	50.0	5.2	0.0	0.0	0.0	0.0	-	6.9	-	0.0	-	-
100.0	55.0	0.0	1.2	0.0	6.0	6.0	-	2.6	-	6.2	-	-

TABLE 4. (cont.)

*Protomyctophum crockeri* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	60.0	-	0.0	0.0	-	6.1	-	-	-	0.0	-	-
100.0	65.0	-	3.0	3.0	-	0.0	-	0.0	-	0.0	-	-
100.0	75.0	-	9.7	0.0	-	0.0	-	-	-	-	-	-
100.0	85.0	-	5.3	0.0	-	0.0	-	-	-	-	-	-
100.0	90.0	-	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0	120.0	-	-	-	-	-	-	2.6	-	0.0	-	-
103.0	30.0	0.0	2.6	1.5	0.0	-	0.0	0.0	0.0	0.0	-	-
103.0	35.0	2.7	3.0	3.0	0.0	-	0.0	0.0	0.0	0.0	-	-
103.0	40.0	2.7	0.0	2.8	0.0	0.0	5.9	0.0	0.0	0.0	-	-
103.0	45.0	5.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	50.0	8.6	0.0	0.0	0.0	0.0	3.2	-	-	-	-	-
103.0	55.0	0.0	0.0	10.9	2.8	0.0	0.0	-	-	-	-	-
103.0	60.0	0.0	2.3	5.0	2.7	0.0	2.8	-	-	-	-	-
103.0	65.0	-	-	0.0	5.7	0.0	0.0	-	-	-	-	-
103.0	70.0	0.0	5.6	0.0	11.4	0.0	0.0	-	-	-	-	-
103.0	80.0	2.8	2.7	6.0	0.0	0.0	0.0	-	-	-	-	-
103.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	-	-
107.0	35.0	0.0	6.2	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-
107.0	40.0	0.0	6.0	2.5	0.0	2.8	0.0	6.1	0.0	0.0	-	-
107.0	45.0	0.0	8.9	5.0	3.0	0.0	0.0	-	2.5	3.1	-	-
107.0	50.0	2.8	8.9	5.4	5.6	4.5	0.0	-	-	-	-	-
107.0	55.0	0.0	2.2	0.0	2.8	9.2	2.9	-	-	-	-	-
107.0	60.0	0.0	6.6	2.9	3.0	0.0	2.9	-	-	-	-	-
107.0	65.0	-	-	2.4	0.0	0.0	0.0	-	-	-	-	-
107.0	75.0	-	-	0.0	2.9	0.0	-	-	-	-	-	-
110.0	33.0	0.0	2.7	0.0	0.0	4.8	-	0.0	0.0	0.0	-	-
110.0	35.0	0.0	3.0	2.3	5.7	0.0	-	1.3	2.5	0.0	-	-
110.0	40.0	0.0	0.0	0.0	5.7	6.1	-	0.0	0.0	3.3	-	-
110.0	45.0	0.0	0.0	0.0	9.3	0.0	-	0.0	0.0	0.0	-	-
110.0	50.0	0.0	6.2	2.0	0.0	0.0	0.0	0.0	-	3.0	-	-
110.0	55.0	0.0	14.3	5.1	0.0	3.1	-	0.0	0.0	5.5	-	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	65.0	-	-	0.0	0.0	0.0	-	0.0	0.0	5.7	-	-
110.0	70.0	0.0	0.0	2.6	0.0	0.0	-	0.0	0.0	0.0	-	-
110.0	80.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	7.6	-	-
110.0	85.0	-	-	11.5	-	-	-	-	-	-	-	-
110.0	90.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	2.6	-	-
113.0	35.0	2.6	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	40.0	2.7	0.0	0.0	2.9	3.1	0.0	0.0	0.0	0.0	-	-
113.0	45.0	0.0	0.0	7.8	3.1	0.0	2.9	-	-	-	-	-
113.0	50.0	0.0	0.0	20.6	2.9	0.0	0.0	-	-	-	-	-
113.0	55.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-	-	-	-
113.0	60.0	0.0	0.0	2.8	0.0	0.0	3.0	-	-	-	-	-
113.0	75.0	-	-	2.0	0.0	0.0	-	-	-	-	-	-
113.0	80.0	0.0	0.0	3.0	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.
115.0	35.0	-	-	-	-	-	-	3.2	0.0	0.0	-	-
117.0	35.0	0.0	0.0	1.8	0.0	5.2	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	0.0	2.1	0.0	5.3	0.0	0.0	0.0	0.0	-	-
117.0	45.0	0.0	11.7	0.0	2.8	0.0	0.0	5.5	0.0	0.0	-	-
117.0	50.0	0.0	0.0	0.0	0.0	5.4	3.1	-	-	-	-	-
117.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	60.0	0.0	0.0	12.0	0.0	0.0	0.0	-	-	-	-	-
117.0	70.0	0.0	0.0	4.4	0.0	0.0	0.0	-	-	-	-	-
117.0	75.0	-	-	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	80.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-
118.0	39.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	-	-
120.0	45.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	50.0	0.0	14.9	14.9	0.0	0.0	-	0.0	0.0	0.0	-	-
120.0	55.0	1.2	0.0	18.3	0.0	0.0	-	0.0	0.0	0.0	-	-
120.0	60.0	2.6	0.0	11.5	0.0	0.0	-	0.0	0.0	0.0	-	-
120.0	65.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	-	2.9	0.0	0.0	-	-
120.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	-	-
123.0	42.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123.0	45.0	0.7	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	-	-
123.0	50.0	2.8	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	-	-
123.0	55.0	1.5	0.0	0.0	8.1	0.0	0.0	-	-	-	-	-
127.0	40.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	50.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	55.0	0.0	0.0	0.0	2.7	5.3	0.0	-	-	-	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
130.0	40.0	0.0	5.5	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
130.0	45.0	0.0	0.0	2.7	0.0	2.8	-	0.0	0.0	0.0	-	-
130.0	50.0	0.0	0.0	0.0	3.0	0.0	-	0.0	0.0	0.0	-	-
130.0	55.0	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	5.8	0.0	-	0.0	0.0	0.0	-	-
130.0	70.0	-	-	-	-	-	-	3.2	-	2.6	-	-
130.0	120.0	-	-	-	-	-	-	-	-	2.5	-	-
133.0	35.0	0.0	0.0	0.0	0.0	0.0	-	7.4	-	-	-	-
133.0	40.0	0.0	0.0	0.0	3.2	0.0	-	0.0	-	-	-	-
133.0	50.0	5.7	0.0	0.0	-	-	-	0.0	-	-	-	-
133.0	55.0	2.8	-	0.0	-	-	-	0.0	-	-	-	-
134.0	36.0	0.0	0.0	0.0	0.0	0.0	-	3.1	-	2.6	-	-
137.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	40.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	50.0	2.4	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	55.0	0.0	0.0	5.5	-	-	-	0.0	-	0.0	-	-
137.0	60.0	0.0	-	0.0	-	-	-	7.1	-	-	-	-
137.0	80.0	-	-	2.9	-	-	-	-	-	-	-	-
140.0	50.0	0.0	-	6.1	-	-	-	-	-	-	-	-
140.0	55.0	0.0	-	2.7	-	-	-	-	-	-	-	-
140.0	60.0	0.0	-	7.8	-	-	-	-	-	-	-	-



TABLE 4. (cont.)

*Protomyctophum crockeri* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
147.0	45.0	0.0	-	2.8	-	-	-	-	-	-	-	-
<i>Symbolophorus californiensis</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
43.0	90.0	-	-	2.3	-	-	9.4	-	0.0	-	-	-
60.0	120.0	-	-	-	-	-	0.0	-	5.4	-	-	-
60.0	140.0	-	-	-	-	-	0.0	-	2.8	-	-	-
70.0	100.0	0.0	-	-	-	-	4.8	-	-	-	-	-
70.0	120.0	0.0	2.4	0.0	0.0	0.0	-	-	-	0.0	-	-
73.0	60.0	0.0	10.3	0.0	0.0	0.0	-	-	-	0.0	-	-
77.0	60.0	0.0	2.9	0.0	0.0	0.0	-	-	-	-	-	-
77.0	70.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-	-	-	-
80.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	-	-	-
80.0	100.0	-	-	-	-	-	19.5	-	0.0	-	-	-
80.0	200.0	0.0	0.0	0.0	0.0	0.0	2.4	-	0.0	-	-	-
83.0	70.0	0.0	5.3	-	-	-	4.8	-	-	-	-	-
83.0	75.0	0.0	0.0	-	-	-	-	-	-	-	-	-
83.0	80.0	0.0	0.0	-	-	2.7	0.0	-	-	-	-	-
83.0	100.0	2.3	-	-	-	-	-	-	-	-	-	-
87.0	55.0	0.0	0.0	3.1	0.0	0.0	0.0	-	-	0.0	-	-
87.0	70.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-
87.0	80.0	0.0	5.4	0.0	-	-	0.0	-	-	-	-	-
87.0	90.0	0.0	8.9	0.0	-	-	-	-	-	-	-	-
87.0	100.0	2.5	-	-	-	-	-	-	-	-	-	-
90.0	37.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	0.0	-	-
90.0	65.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	0.0	-	-
90.0	70.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	0.0	-	-
90.0	75.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	0.0	-	-
90.0	80.0	0.0	14.1	1.3	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	90.0	0.0	3.1	0.0	2.8	0.0	0.0	0.0	30.4	0.0	-	-
90.0	95.0	0.0	2.3	3.6	0.0	0.0	0.0	-	-	-	-	-
90.0	100.0	0.0	2.6	21.1	2.8	0.0	0.0	28.5	-	0.0	-	-
90.0	120.0	0.0	1.3	0.0	2.8	0.0	0.0	3.3	-	0.0	-	-
93.0	70.0	0.0	2.8	0.0	2.7	0.0	0.0	0.0	-	0.0	-	-
93.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	-	0.0	-	-
93.0	80.0	0.0	4.5	0.0	0.0	0.0	0.0	-	-	0.0	-	-
93.0	85.0	0.0	9.1	8.6	0.0	0.0	0.0	-	-	0.0	-	-
93.0	90.0	0.0	1.6	0.0	0.0	0.0	0.0	5.7	-	0.0	-	-
93.0	95.0	0.0	0.0	24.2	0.0	0.0	0.0	-	-	0.0	-	-
93.0	100.0	2.5	0.0	3.0	2.8	0.0	0.0	0.0	-	0.0	-	-
97.0	35.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	0.0	-	-
97.0	50.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	55.0	0.0	3.0	9.5	0.0	0.0	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

<i>Symbolophorus californiensis</i> (cont.)												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	60.0	-	0.0	0.0	3.7	0.0	0.0	-	-	-	-	-
97.0	70.0	-	0.0	3.0	-	0.0	0.0	-	-	-	-	-
97.0	75.0	-	2.4	9.1	-	0.0	0.0	-	-	-	-	-
97.0	80.0	-	11.7	-	-	0.0	-	-	-	-	-	-
97.0	85.0	-	-	-	-	7.9	-	-	-	-	-	-
97.0	90.0	-	2.7	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0	55.0	-	1.2	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0	60.0	-	0.0	0.0	-	3.0	-	0.0	-	0.0	-	-
100.0	65.0	-	6.0	6.0	-	0.0	-	0.0	-	0.0	-	-
100.0	70.0	-	12.1	0.0	-	3.0	-	0.0	-	0.0	-	-
100.0	75.0	-	12.9	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0	80.0	-	3.5	2.7	-	0.0	-	0.0	-	0.0	-	-
100.0	85.0	-	2.6	0.0	-	0.0	-	3.6	-	0.0	-	-
100.0	90.0	-	2.7	0.0	-	0.0	-	0.0	-	0.0	-	-
103.0	40.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
103.0	45.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	-	-	-	-
103.0	55.0	0.0	0.0	3.0	2.2	0.0	2.9	-	-	-	-	-
103.0	60.0	0.0	4.2	0.0	2.7	0.0	0.0	-	-	-	-	-
103.0	70.0	-	2.8	4.4	0.0	0.0	0.0	-	-	-	-	-
103.0	90.0	5.6	-	0.0	-	-	-	0.0	-	0.0	-	-
107.0	35.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	-	0.0	-	-
107.0	50.0	0.0	6.7	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	55.0	0.0	0.0	0.0	0.0	9.2	0.0	-	-	-	-	-
107.0	60.0	4.4	2.9	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	65.0	-	-	7.1	0.0	0.0	0.0	-	-	-	-	-
107.0	70.0	0.0	2.7	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	-	0.0	-	-
110.0	45.0	0.0	0.0	0.0	3.1	0.0	-	0.0	-	0.0	-	-
110.0	55.0	0.0	5.7	7.6	3.1	3.1	-	0.0	-	0.0	-	-
110.0	60.0	0.0	2.7	0.0	0.0	0.0	-	0.0	-	0.0	-	-
113.0	50.0	0.0	0.0	5.1	0.0	0.0	0.0	-	-	-	-	-
113.0	55.0	0.0	0.0	0.0	6.0	0.0	0.0	-	-	-	-	-
113.0	60.0	0.0	4.1	0.0	0.0	0.0	0.0	-	-	-	-	-
113.0	65.0	-	-	0.0	0.0	8.6	0.0	-	-	-	-	-
117.0	30.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-	0.0	-	-
117.0	50.0	0.0	0.0	2.3	0.0	0.0	0.0	-	-	-	-	-

<i>Tarletonbeania crenularis</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	45.0	-	-	11.6	-	-	-	-	-	-	-	-
40.0	55.0	0.0	-	8.0	-	-	-	-	-	-	-	-
40.0	60.0	-	-	20.4	-	-	-	-	-	-	-	-
40.0	70.0	4.7	-	18.5	-	-	-	-	-	-	-	-
40.0	80.0	1.6	-	5.5	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Tarletonbeania crenularis* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
43.0	45.0	-	-	15.5	-	-	-	-	-	-	-	-
43.0	50.0	-	-	11.6	-	-	-	-	-	-	-	-
43.0	55.0	-	-	13.1	-	-	-	-	-	-	-	-
43.0	60.0	-	-	6.4	-	-	-	-	-	-	-	-
47.0	55.0	-	-	15.3	-	-	-	-	-	-	-	-
47.0	60.0	-	-	22.0	-	-	-	-	-	-	-	-
47.0	100.0	-	-	-	-	-	-	-	-	-	-	-
50.0	50.0	-	-	9.5	-	-	9.4	-	-	-	-	-
50.0	55.0	-	-	8.0	-	-	5.6	-	-	-	-	-
50.0	60.0	-	-	8.9	-	-	-	-	-	-	-	-
50.0	70.0	-	-	9.2	-	-	-	-	-	-	-	-
50.0	80.0	-	-	2.5	-	-	-	-	-	-	-	-
50.0	90.0	-	-	4.8	-	-	-	-	-	-	-	-
50.0	100.0	-	-	-	-	-	-	-	-	-	-	-
53.0	55.0	-	-	27.7	-	-	-	-	-	-	-	-
53.0	60.0	-	-	24.0	-	-	-	-	-	-	-	-
53.0	70.0	-	-	43.2	-	-	-	-	-	-	-	-
57.0	55.0	-	-	9.1	-	-	-	-	-	-	-	-
57.0	60.0	-	-	13.2	-	-	-	-	-	-	-	-
57.0	70.0	-	-	0.0	-	-	-	-	-	-	-	-
57.0	80.0	-	-	-	-	-	-	-	-	-	-	-
60.0	55.0	-	-	0.0	-	-	2.3	-	0.0	-	-	-
60.0	60.0	-	-	15.4	-	-	36.5	-	0.0	-	-	-
60.0	70.0	-	-	17.8	-	-	12.1	-	5.4	-	-	-
60.0	80.0	-	-	3.3	-	-	0.0	-	9.4	-	-	-
60.0	90.0	-	-	20.1	-	-	0.0	-	6.5	-	-	-
60.0	100.0	-	-	5.0	-	-	2.7	-	0.0	-	-	-
63.0	55.0	-	-	-	-	-	3.9	-	3.1	-	-	-
63.0	60.0	-	-	2.7	-	-	-	-	5.3	-	-	-
63.0	70.0	-	-	1.8	-	-	-	-	-	-	-	-
63.0	80.0	-	-	15.5	-	-	-	-	2.7	-	-	-
63.0	90.0	-	-	6.9	-	-	-	-	-	-	-	-
63.0	100.0	-	-	3.2	-	-	-	-	-	-	-	-
63.0	50.0	-	-	7.4	-	-	-	-	-	-	-	-
63.0	60.0	-	-	-	-	-	-	-	-	-	-	-
67.0	50.0	-	-	2.3	-	-	-	-	0.0	-	-	-
67.0	60.0	-	-	8.2	-	-	-	-	-	-	-	-
67.0	70.0	-	-	13.2	-	-	-	-	-	-	-	-
67.0	80.0	-	-	4.7	-	-	-	-	5.5	-	-	-
67.0	90.0	-	-	2.0	-	-	-	-	2.7	-	-	-
67.0	100.0	-	-	0.0	-	-	-	-	-	-	-	-
67.0	50.0	-	-	2.3	-	-	-	-	-	-	-	-
67.0	60.0	-	-	-	-	-	-	-	-	-	-	-
67.0	70.0	-	-	0.0	-	-	-	-	-	-	-	-
67.0	80.0	-	-	2.3	-	-	-	-	-	-	-	-
67.0	90.0	-	-	8.5	-	-	-	-	-	-	-	-
70.0	50.0	-	-	4.2	-	-	-	-	-	-	-	-
70.0	60.0	-	-	-	-	-	5.6	-	0.0	-	-	-
70.0	70.0	-	-	13.6	-	-	18.2	-	10.4	-	-	-
70.0	80.0	-	-	-	-	-	-	-	-	-	-	-
70.0	90.0	-	-	-	-	-	-	-	-	-	-	-
70.0	100.0	-	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Tarletonbeania crenularis* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	60.0	0.0	-	-	-	-	3.5	-	2.5	-	-	-
70.0	70.0	4.8	-	5.3	-	-	17.6	-	2.6	-	-	-
70.0	80.0	0.0	-	0.0	-	-	9.1	-	0.0	-	-	-
70.0	90.0	0.0	-	5.4	-	-	0.0	-	7.9	-	-	-
70.0	100.0	0.0	-	-	-	-	10.7	-	0.0	-	-	-
73.0	51.0	0.0	0.0	0.0	0.0	5.8	-	-	0.0	0.0	-	-
73.0	55.0	0.0	0.0	0.0	0.0	22.1	-	-	0.0	0.0	-	-
73.0	60.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-
73.0	70.0	0.0	8.0	0.0	-	-	-	-	-	-	-	-
73.0	80.0	-	20.9	-	-	-	-	-	-	-	-	-
77.0	53.0	1.6	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
77.0	55.0	0.0	3.0	0.0	-	-	-	-	-	-	-	-
77.0	57.0	0.0	2.6	-	-	-	-	-	-	-	-	-
77.0	60.0	0.0	0.0	-	-	9.5	-	-	0.0	-	-	-
77.0	65.0	-	0.0	-	-	5.7	-	-	-	-	-	-
77.0	70.0	0.0	2.9	4.7	-	10.6	-	-	-	-	-	-
80.0	52.0	0.0	0.0	0.0	-	2.7	0.0	-	0.0	-	-	-
80.0	60.0	0.0	2.3	0.0	-	16.4	0.0	-	0.0	-	-	-
80.0	65.0	-	-	0.0	-	20.3	8.0	-	0.0	-	-	-
80.0	70.0	0.0	-	3.0	-	2.4	2.7	-	0.0	-	-	-
80.0	80.0	0.0	0.0	2.6	-	0.0	3.2	-	0.0	-	-	-
80.0	85.0	-	-	3.6	-	0.0	0.0	-	0.0	-	-	-
80.0	90.0	0.0	0.0	0.0	-	6.0	1.5	-	0.0	0.0	-	-
82.0	47.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	-	-
83.0	51.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
83.0	55.0	0.0	0.0	7.6	0.0	9.6	0.0	-	0.0	0.0	-	-
83.0	60.0	0.0	0.0	6.2	0.0	5.5	10.9	-	0.0	0.0	-	-
83.0	65.0	-	0.0	0.0	-	11.5	18.4	-	-	-	-	-
83.0	70.0	0.0	0.0	0.0	-	2.8	2.4	-	-	-	-	-
83.0	75.0	-	-	2.7	-	0.0	-	-	-	-	-	-
83.0	80.0	0.0	0.0	0.0	-	2.7	5.3	-	-	-	-	-
83.0	85.0	-	-	2.0	-	0.0	0.0	-	-	-	-	-
87.0	35.0	0.0	2.9	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-
87.0	40.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-
87.0	45.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-
87.0	50.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
87.0	55.0	0.0	0.0	0.0	3.4	2.7	6.5	-	0.0	0.0	-	-
87.0	60.0	0.0	4.6	0.0	0.0	2.8	5.9	-	0.0	0.0	-	-
87.0	65.0	-	-	3.5	-	6.3	8.6	-	-	-	-	-
87.0	70.0	0.0	-	0.0	-	26.0	-	-	-	-	-	-
87.0	75.0	-	-	0.0	-	-	-	-	-	-	-	-
87.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	0.0	-	-
90.0	37.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-
90.0	45.0	0.0	2.7	0.0	0.0	-	0.0	0.0	-	0.0	-	-
90.0	50.0	0.0	1.8	3.5	0.0	0.0	0.0	-	-	-	-	-
90.0	53.0	-	-	-	-	-	0.0	-	-	-	-	-
90.0	55.0	0.0	1.9	2.8	7.4	0.0	-	2.7	-	0.0	-	-

TABLE 4. (cont.)

*Tarletonbeania crenularis* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	60.0	0.0	0.0	0.0	0.0	6.6	3.0	0.0	-	0.0	-	-
90.0	65.0	0.0	0.0	0.0	9.0	6.3	9.1	0.0	-	0.0	-	-
90.0	70.0	0.0	0.0	0.0	0.0	0.0	3.0	2.8	-	0.0	-	-
90.0	75.0	0.0	0.0	0.0	6.6	5.6	0.0	-	-	0.0	-	-
90.0	80.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-	0.0	-	-
90.0	80.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	28.0	0.0	2.0	0.0	2.9	0.0	0.0	0.0	-	0.0	-	-
93.0	30.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	-	0.0	-	-
93.0	35.0	0.0	0.0	0.0	2.8	11.8	0.0	0.0	-	0.0	-	-
93.0	40.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	-	0.0	-	-
93.0	45.0	0.0	0.0	0.0	0.0	0.0	2.8	2.6	-	0.0	-	-
93.0	50.0	0.0	0.0	0.0	3.3	3.0	2.9	0.0	-	0.0	-	-
93.0	55.0	0.0	0.0	0.0	3.2	0.0	3.0	2.9	-	0.0	-	-
93.0	60.0	0.0	0.0	0.0	6.0	0.0	5.2	0.0	-	0.0	-	-
93.0	65.0	0.0	0.0	0.0	12.3	2.8	6.2	11.1	-	0.0	-	-
93.0	70.0	0.0	0.0	0.0	11.6	2.7	0.0	0.0	-	0.0	-	-
93.0	75.0	0.0	1.8	0.0	0.0	5.3	0.0	0.0	-	0.0	-	-
93.0	80.0	0.0	3.0	0.0	0.0	5.4	0.0	0.0	-	0.0	-	-
93.0	85.0	0.0	0.0	0.0	0.0	3.0	0.0	2.9	-	0.0	-	-
93.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	32.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	-	0.0	-	-
97.0	40.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	0.0	-	-
97.0	45.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	-	0.0	-	-
97.0	55.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-	0.0	-	-
97.0	60.0	0.0	0.0	0.0	0.0	2.7	9.0	0.0	-	0.0	-	-
97.0	65.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	-	0.0	-	-
97.0	70.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	0.0	-	-
97.0	80.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0	-	0.0	-	-
97.0	85.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	-	0.0	-	-
100.0	29.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	0.0	-	-
100.0	30.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	0.0	-	-
100.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-

*Synodus* 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	0.0	0.0	-	2.6	-	-
115.0	27.0	-	-	-	-	-	-	0.0	2.3	0.0	-	-
115.0	35.0	-	-	-	-	-	-	0.0	0.0	5.3	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	-	-
117.5	25.0	-	-	-	-	-	-	-	26.5	0.0	-	-
118.5	27.5	-	-	-	-	-	-	-	214.1	0.0	-	-

TABLE 4. (cont.)

## Synodus spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
118.5	30.0	-	-	-	-	-	-	-	24.1	-	-	-
119.0	25.0	-	-	-	-	-	-	-	35.7	-	-	-
119.0	27.5	-	-	-	-	-	-	-	11.0	-	-	-
119.0	30.0	-	-	-	-	-	-	-	34.4	-	-	-
119.0	32.5	-	-	-	-	-	-	-	55.9	-	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	-	1.4	46.8	-	-	-
119.0	35.0	-	-	-	-	-	-	-	4.6	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	-	-
120.0	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	-	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4	13.9	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	11.3	-	-
120.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	2.0	-	-
120.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-
120.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	-	-	-
121.0	27.5	-	-	-	-	-	-	-	19.6	-	-	-
121.0	30.0	-	-	-	-	-	-	-	1.7	-	-	-
121.0	32.5	-	-	-	-	-	-	-	0.0	-	-	-
121.0	35.0	-	-	-	-	-	-	-	0.0	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	-	-
127.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	-	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	-	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.5	-	-
137.0	23.0	2.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	23.0	-	-
137.0	30.0	5.6	4.2	2.8	0.0	0.0	0.0	0.0	0.0	5.3	-	-
137.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
143.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
143.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
153.0	20.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
153.0	50.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
153.0	55.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

## Bregmaceros spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	200.0	-	-	-	-	-	-	-	0.0	-	-	-
80.0	200.0	-	-	-	-	-	2.5	-	0.0	-	-	-
120.0	100.0	-	-	-	-	-	2.4	0.0	0.0	10.5	-	-
130.0	60.0	0.0	0.0	0.0	0.0	-	-	0.0	-	5.7	-	-
130.0	120.0	-	-	-	-	-	-	-	-	2.5	-	-
137.0	55.0	0.0	-	0.0	-	-	-	0.0	-	2.8	-	-
137.0	80.0	2.6	-	0.0	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

<i>Bregmaceros</i> spp. (cont.)												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
147.0	25.0	5.9	-	0.0	-	-	-	-	-	-	-	-
147.0	55.0	2.8	-	0.0	-	-	-	-	-	-	-	-
147.0	60.0	20.6	-	0.0	-	-	-	-	-	-	-	-
153.0	50.0	2.5	-	0.0	-	-	-	-	-	-	-	-
153.0	55.0	5.2	-	0.0	-	-	-	-	-	-	-	-
153.0	60.0	2.8	-	0.0	-	-	-	-	-	-	-	-
153.0	70.0	2.5	-	0.0	-	-	-	-	-	-	-	-
153.0	80.0	5.5	-	-	-	-	-	-	-	-	-	-
157.0	10.0	6.2	-	-	-	-	-	-	-	-	-	-
157.0	15.0	11.1	-	-	-	-	-	-	-	-	-	-
157.0	20.0	7.8	-	-	-	-	-	-	-	-	-	-
157.0	80.0	2.0	-	-	-	-	-	-	-	-	-	-

<i>Merluccius productus</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	60.0	0.0	-	2.2	-	-	0.0	-	0.0	-	-	-
60.0	70.0	0.0	-	3.3	-	-	0.0	-	0.0	-	-	-
63.0	60.0	0.0	-	10.3	-	-	-	-	0.0	-	-	-
63.0	70.0	0.0	-	6.0	-	-	-	-	-	-	-	-
63.0	90.0	-	-	9.9	-	-	-	-	-	-	-	-
67.0	70.0	-	-	7.0	-	-	-	-	-	-	-	-
67.0	80.0	-	-	0.0	-	-	-	-	-	-	-	-
67.0	90.0	-	-	36.5	-	-	-	-	-	-	-	-
70.0	50.0	-	-	4.3	-	-	-	-	-	-	-	-
70.0	55.0	-	-	0.0	-	-	3.0	-	0.0	-	-	-
70.0	80.0	-	-	22.9	-	-	0.0	-	0.0	-	-	-
70.0	90.0	-	-	10.7	-	-	0.0	-	0.0	-	-	-
73.0	51.0	0.0	-	5.0	-	2.9	-	-	-	-	-	-
73.0	55.0	0.0	2.4	-	0.0	0.0	-	-	-	0.0	-	-
73.0	60.0	0.0	10.0	-	0.0	0.0	-	-	-	0.0	-	-
73.0	70.0	0.0	43.9	7.0	6.3	0.0	-	-	-	0.0	-	-
73.0	80.0	0.0	0.0	25.0	-	-	-	-	-	-	-	-
73.0	90.0	0.0	-	4.8	-	-	-	-	-	-	-	-
77.0	50.0	-	-	20.9	-	-	-	-	-	-	-	-
77.0	50.0	0.0	1.8	-	1.6	0.0	-	-	0.0	-	-	-
77.0	51.0	0.0	0.0	2.6	-	-	-	-	0.0	-	-	-
77.0	55.0	2.5	0.0	63.6	0.0	0.0	-	-	0.0	-	-	-
77.0	57.0	5.4	0.0	-	-	-	-	-	-	-	-	-
77.0	60.0	0.0	0.0	416.2	-	0.0	-	-	0.0	-	-	-
77.0	65.0	-	-	-	-	0.0	-	-	-	-	-	-
77.0	70.0	0.0	129.2	1358.3	-	0.0	-	-	-	-	-	-
77.0	80.0	0.0	-	41.4	-	0.0	-	-	-	-	-	-
77.0	90.0	-	-	80.6	-	0.0	-	-	-	-	-	-
80.0	52.0	-	-	184.9	-	-	-	-	-	-	-	-
80.0	52.0	2.9	5.9	16.3	-	0.0	-	-	0.0	-	-	-
80.0	53.0	3.3	22.3	27.4	-	-	-	-	0.0	-	-	-
80.0	55.0	0.0	191.5	64.4	-	0.0	-	-	0.0	-	-	-

TABLE 4. (cont.)

*Merluccius productus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80-0	57-0	0-0	454.4	-	-	-	-	-	-	-	-	-
80-0	60-0	0-0	17.4	30.8	-	0-0	0-0	-	0-0	-	-	-
80-0	65-0	-	-	38.9	-	2-9	0-0	-	0-0	-	-	-
80-0	70-0	0-0	-	42.4	-	0-0	0-0	-	0-0	-	-	-
80-0	75-0	-	-	35.4	-	0-0	-	-	-	-	-	-
80-0	80-0	0-0	372.2	172.3	-	0-0	0-0	-	0-0	-	-	-
80-0	85-0	-	-	55.8	-	0-0	-	-	-	-	-	-
80-0	90-0	0-0	9.5	269.7	-	0-0	0-0	-	0-0	-	-	-
82-0	47-0	31.4	2.9	107.8	2.8	0-0	0-0	0-0	0-0	0-0	-	-
83-0	40-0	0-0	0.8	8.0	0-0	0-0	0-0	0-0	0-0	0-0	-	-
83-0	43-0	12.0	2.7	38.4	14.3	0-0	0-0	0-0	0-0	0-0	-	-
83-0	51-0	3.2	247.9	109.2	30.8	0-0	0-0	0-0	0-0	0-0	-	-
83-0	55-0	0-0	0-0	20.9	0-0	0-0	0-0	-	0-0	-	-	-
83-0	60-0	0-0	2.6	131.7	10.2	0-0	0-0	-	0-0	-	-	-
83-0	65-0	-	-	8.4	-	5.5	0-0	-	-	-	-	-
83-0	70-0	0-0	0-0	193.2	47.3	2.3	0-0	-	-	-	-	-
83-0	75-0	-	-	127.7	-	0-0	-	-	-	-	-	-
83-0	80-0	0-0	3.1	678.4	0-0	0-0	0-0	-	-	-	-	-
83-0	85-0	-	-	35.5	-	0-0	-	-	-	-	-	-
83-0	90-0	0-0	0-0	30.3	-	0-0	-	-	-	-	-	-
87-0	35-0	5.9	69.4	101.5	6.0	0-0	0-0	0-0	0-0	0-0	-	-
87-0	40-0	0-0	314.8	20.7	20.7	0-0	0-0	0-0	0-0	0-0	-	-
87-0	45-0	0-0	117.0	25.1	60.8	0-0	0-0	0-0	0-0	0-0	-	-
87-0	50-0	0-0	96.6	65.5	18.5	0-0	0-0	0-0	0-0	0-0	-	-
87-0	55-0	0-0	271.3	38.4	25.0	0-0	0-0	0-0	0-0	0-0	-	-
87-0	60-0	0-0	125.5	128.8	7.1	0-0	0-0	-	0-0	-	-	-
87-0	65-0	-	-	34.8	-	0-0	0-0	-	-	-	-	-
87-0	70-0	0-0	30.6	257.6	60.9	0-0	0-0	-	-	-	-	-
87-0	75-0	-	-	80.0	-	0-0	-	-	-	-	-	-
87-0	80-0	0-0	0-0	315.9	15.4	0-0	0-0	-	-	-	-	-
87-0	85-0	-	-	12.4	-	-	-	-	-	-	-	-
87-0	90-0	0-0	0-0	16.6	-	0-0	-	-	-	-	-	-
90-0	28-0	0-0	24.5	24.8	29.5	0-0	0-0	0-0	0-0	0-0	-	-
90-0	32-0	0-0	36.4	4.4	36.7	0-0	0-0	0-0	0-0	0-0	-	-
90-0	37-0	2.5	30.3	124.5	17.8	0-0	0-0	0-0	0-0	0-0	-	-
90-0	45-0	0-0	34.5	80.4	11.2	0-0	0-0	0-0	0-0	0-0	-	-
90-0	50-0	0-0	103.7	42.7	20.8	0-0	-	-	-	-	-	-
90-0	55-0	0-0	99.1	24.9	7.4	0-0	-	-	-	-	-	-
90-0	60-0	2.9	26.5	37.6	2.8	0-0	0-0	0-0	0-0	0-0	-	-
90-0	65-0	-	-	28.4	3.0	0-0	0-0	0-0	0-0	0-0	-	-
90-0	70-0	0-0	2.7	13.5	22.1	0-0	0-0	0-0	0-0	0-0	-	-
90-0	75-0	-	-	5.4	6.6	0-0	0-0	0-0	0-0	0-0	-	-
90-0	80-0	0-0	702.3	925.0	9.0	0-0	0-0	0-0	0-0	0-0	-	-
90-0	85-0	-	-	153.3	0-0	0-0	-	-	-	-	-	-
90-0	90-0	0-0	58.2	687.7	5.6	0-0	0-0	0-0	0-0	0-0	-	-
90-0	95-0	-	-	155.1	0-0	0-0	-	-	-	-	-	-



TABLE 4. (cont.)

## Merluccius productus (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	100.0	0.0	39.5	117.4	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	28.0	-	59.5	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	30.0	0.0	48.8	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	35.0	66.2	56.9	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	40.0	10.5	16.9	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	45.0	0.0	13.9	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	50.0	0.0	11.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	55.0	1.9	39.9	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	60.0	0.0	10.7	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	65.0	-	3.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	70.0	2.8	1.3	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	75.0	-	2.8	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	80.0	0.0	116.0	-	0.0	0.0	0.0	3.1	-	0.0	-	-
93.0	85.0	-	729.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	90.0	0.0	28.3	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	95.0	-	19.9	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	100.0	-	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	30.0	2.5	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	32.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	35.0	64.7	35.7	16.4	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	40.0	136.3	49.3	14.6	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	45.0	38.7	109.7	-	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	45.0	0.0	31.9	-	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	50.0	6.2	43.7	42.7	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	55.0	5.2	15.3	22.1	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	60.0	-	1.3	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	60.0	-	238.0	67.0	0.0	0.0	0.0	0.0	-	0.0	-	-
100.0	29.0	15.4	218.6	42.5	0.0	0.0	0.0	0.0	-	0.0	-	-
100.0	30.0	2.6	28.2	38.5	0.0	0.0	0.0	0.0	-	0.0	-	-
100.0	35.0	0.0	18.0	13.2	2.8	2.8	0.0	0.0	-	0.0	-	-
100.0	40.0	0.0	7.8	15.2	0.0	0.0	0.0	0.0	-	0.0	-	-
100.0	45.0	0.0	5.9	5.4	0.0	0.0	0.0	0.0	-	0.0	-	-
100.0	50.0	0.0	6.0	2.2	0.0	0.0	0.0	0.0	-	0.0	-	-
100.0	55.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	-	0.0	-	-
100.0	60.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	-	0.0	-	-
103.0	30.0	39.4	198.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	35.0	483.4	631.3	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	40.0	24.5	212.0	22.6	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	45.0	63.3	5.8	58.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	50.0	0.0	6.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	55.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	60.0	9.0	3.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.0	70.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	32.0	428.0	1786.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	35.0	318.7	380.1	61.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	40.0	28.9	50.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.0	45.0	1.3	29.7	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 4. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107-0	50.0	8.9	6.1	0.0	0.0	0.0	0.0	-	-	-	-	-
107-0	60.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-	-	-	-
107-0	65.0	-	-	4.7	0.0	0.0	0.0	-	-	-	-	-
110-0	33.0	204.2	68.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110-0	35.0	56.7	156.5	18.2	0.0	0.0	-	0.0	0.0	0.0	-	-
110-0	40.0	71.8	204.2	0.0	5.7	0.0	-	0.0	0.0	0.0	-	-
110-0	45.0	0.0	0.0	5.1	3.1	0.0	-	0.0	0.0	0.0	-	-
110-0	50.0	0.0	3.1	27.7	3.1	0.0	-	0.0	0.0	0.0	-	-
110-0	55.0	0.0	0.0	2.5	0.0	0.0	-	0.0	0.0	0.0	-	-
110-0	60.0	0.0	2.7	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
113-0	35.0	297.9	52.6	22.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113-0	40.0	129.9	39.1	70.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113-0	45.0	24.3	0.0	23.5	0.0	0.0	0.0	-	-	-	-	-
113-0	50.0	1.6	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
113-0	55.0	0.0	1.7	5.9	0.0	0.0	0.0	-	-	-	-	-
113-0	60.0	0.0	0.0	25.1	0.0	0.0	0.0	-	-	-	-	-
113-0	65.0	-	-	62.9	0.0	0.0	0.0	-	-	-	-	-
113-0	70.0	0.0	0.0	9.3	0.0	0.0	0.0	-	-	-	-	-
117-0	26.0	0.0	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117-0	30.0	5.3	5.7	6.2	2.8	0.0	0.0	0.0	0.0	0.0	-	-
117-0	35.0	17.5	39.0	67.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117-0	40.0	17.9	256.9	21.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117-0	45.0	18.4	873.1	26.0	8.3	0.0	0.0	-	-	-	-	-
117-0	50.0	19.0	513.9	2.3	0.0	0.0	0.0	-	-	-	-	-
117-0	55.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	-	-	-
117-0	60.0	0.0	112.6	3.0	0.0	0.0	0.0	-	-	-	-	-
117-0	65.0	2.6	2.9	2.0	0.0	0.0	0.0	-	-	-	-	-
117-0	70.0	-	-	2.0	0.0	0.0	0.0	-	-	-	-	-
117-0	80.0	0.0	8.0	4.4	0.0	0.0	0.0	-	-	-	-	-
117-0	85.0	1.8	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
118-0	39.0	67.2	36.8	42.7	0.0	0.0	0.0	0.0	2.7	3.1	-	-
119-0	32.5	-	-	-	-	-	-	0.0	-	-	-	-
119-0	33.0	16.4	9.2	5.0	0.0	0.0	0.0	0.0	0.0	7.8	-	-
120-0	25.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120-0	30.0	0.0	39.2	0.0	0.0	0.0	2.7	2.1	0.0	0.0	-	-
120-0	35.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120-0	40.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120-0	45.0	12.6	49.8	5.3	0.0	0.0	-	-	-	-	-	-
120-0	50.0	3.1	26.0	0.0	0.0	0.0	-	-	-	-	-	-
120-0	55.0	2.9	34.2	0.0	0.0	0.0	-	-	-	-	-	-
120-0	60.0	4.7	71.5	2.9	0.0	0.0	-	-	-	-	-	-
120-0	70.0	0.0	41.4	0.0	0.0	0.0	-	-	-	-	-	-
120-0	80.0	0.0	5.7	0.0	0.0	0.0	-	-	-	-	-	-
123-0	37.0	42.1	77.7	13.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123-0	42.0	78.6	241.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123-0	45.0	6.7	138.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
123-0	50.0	15.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

TABLE 4. (cont.)

*Merluccius productus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	55.0	0.0	2.9	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	34.0	3.9	42.5	7.5	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	40.0	4.9	190.3	24.8	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	45.0	5.8	18.3	0.0	2.7	0.0	0.0	-	-	0.0	-	-
127.0	50.0	1.3	11.2	0.0	0.0	0.0	0.0	-	-	0.0	-	-
130.0	30.0	11.1	9.3	0.0	0.0	0.0	-	0.0	-	0.0	-	-
130.0	35.0	198.3	54.6	42.6	3.1	0.0	-	0.0	-	0.0	-	-
130.0	40.0	15.6	8.8	5.3	0.0	0.0	-	0.0	-	0.0	-	-
130.0	45.0	4.2	3.4	31.2	0.0	0.0	-	0.0	-	0.0	-	-
130.0	50.0	0.0	0.0	2.4	3.0	0.0	-	0.0	-	0.0	-	-
130.0	55.0	1.4	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
130.0	60.0	0.0	11.8	0.0	2.9	0.0	-	0.0	-	0.0	-	-
130.0	65.0	0.0	15.2	5.0	0.0	0.0	-	0.0	-	0.0	-	-
133.0	25.0	22.1	28.5	14.4	0.0	0.0	-	0.0	-	-	-	-
133.0	30.0	291.5	141.9	72.9	0.0	0.0	-	0.0	-	-	-	-
133.0	35.0	377.9	106.3	72.9	0.0	0.0	-	0.0	-	-	-	-
133.0	40.0	27.2	434.7	79.5	0.0	0.0	-	0.0	-	-	-	-
133.0	45.0	31.1	109.4	37.7	0.0	0.0	-	0.0	-	-	-	-
133.0	50.0	2.7	11.5	55.1	0.0	-	-	0.0	-	-	-	-
133.0	55.0	2.8	-	-	-	-	-	0.0	-	-	-	-
134.0	36.0	134.4	2184.8	53.0	0.0	0.0	-	0.0	-	-	-	-
137.0	23.0	0.0	39.0	2.5	0.0	0.0	-	0.0	-	0.0	-	-
137.0	30.0	310.8	532.5	11.2	0.0	0.0	-	0.0	-	0.0	-	-
137.0	35.0	51.3	86.5	18.3	0.0	3.0	-	0.0	-	0.0	-	-
137.0	40.0	0.0	30.9	22.3	0.0	0.0	-	0.0	-	0.0	-	-
137.0	45.0	0.0	18.1	3.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	65.0	-	-	2.7	-	-	-	0.0	-	-	-	-
140.0	30.0	43.5	-	0.0	-	-	-	0.0	-	-	-	-
140.0	35.0	61.7	-	2.8	-	-	-	-	-	-	-	-
140.0	40.0	6.0	-	0.0	-	-	-	-	-	-	-	-
143.0	26.0	0.0	-	2.5	-	-	-	0.0	-	-	-	-
143.0	30.0	13.7	-	3.0	-	-	-	-	-	-	-	-
143.0	35.0	3.0	-	0.0	-	-	-	-	-	-	-	-
143.0	40.0	2.7	-	0.0	-	-	-	-	-	-	-	-
143.0	45.0	3.0	-	0.0	-	-	-	-	-	-	-	-
147.0	20.0	2.7	-	0.0	-	-	-	-	-	-	-	-
150.0	35.0	0.0	-	2.8	-	-	-	-	-	-	-	-

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	60.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	40.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	-	0.0	-	-
133.0	55.0	-	-	2.9	-	-	-	0.0	-	-	-	-

*Physiculus* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	60.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	40.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	-	0.0	-	-
133.0	55.0	0.0	-	2.9	-	-	-	0.0	-	-	-	-

TABLE 4. (cont.)

## Macrouridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	70.0	3.0	-	0.0	-	-	-	-	-	-	-	-
90.0	70.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	0.0	-	-
133.0	40.0	0.0	0.0	0.0	0.0	2.6	-	0.0	-	-	-	-
153.0	25.0	0.0	-	3.1	-	-	-	-	-	-	-	-

## Ophidiiformes

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
47.0	55.0	-	-	6.1	-	-	-	-	-	-	-	-
50.0	60.0	0.0	-	3.0	-	-	-	-	-	-	-	-
60.0	52.0	1.8	-	0.0	-	-	0.0	-	0.0	-	-	-
77.0	50.0	0.0	0.0	0.0	0.0	3.2	0.0	-	-	0.0	-	-
87.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	5.5	-	-
87.0	55.0	0.0	0.0	0.0	2.3	0.0	0.0	-	-	0.0	-	-
87.0	75.0	-	-	0.0	0.0	2.6	-	-	-	-	-	-
90.0	55.0	0.0	0.0	0.0	2.5	0.0	-	-	-	-	-	-
93.0	30.0	0.0	1.4	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	40.0	0.0	0.0	-	8.4	0.0	0.0	0.0	-	0.0	-	-
93.0	45.0	0.0	0.0	-	3.0	0.0	0.0	-	-	0.0	-	-
93.0	65.0	-	-	0.0	3.0	0.0	0.0	-	-	0.0	-	-
97.0	45.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-	0.0	-	-
97.0	55.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-	0.0	-	-
100.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
103.0	30.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	3.9	0.0	-	-
113.0	50.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	10.0	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	12.4	2.7	-	-
118.5	27.5	-	-	-	-	-	-	-	12.4	-	-	-
118.5	30.0	-	-	-	-	-	-	-	14.8	-	-	-
119.0	30.0	-	-	-	-	-	-	-	39.9	-	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	-	24.3	20.8	0.0	-	-
119.0	35.0	-	-	-	-	-	-	-	4.7	4.9	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.2	0.0	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	42.0	0.0	-	-
120.0	32.5	-	-	-	-	-	-	-	68.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.7	0.0	-	-
120.0	37.5	-	-	-	-	-	-	-	0.0	2.0	-	-
120.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	0.0	0.0	-	-
120.0	45.0	-	-	0.0	0.0	0.0	-	-	7.8	-	-	-
121.0	30.0	-	-	-	-	-	-	-	25.6	-	-	-
121.0	32.5	-	-	-	-	-	-	-	18.8	-	-	-
121.0	35.0	-	-	0.0	0.0	0.0	-	0.0	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	-	0.0	21.2	0.0	-	-
137.0	40.0	0.0	6.4	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.
140.0	40.0	0.0	-	2.9	-	-	-	-	-	-	-	-
<i>Brosmophycis marginata</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	43.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
83.0	51.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	0.0	-	-
107.0	35.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-
Carapidae												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
153.0	25.0	3.0	-	0.0	-	-	-	-	-	-	-	-
<i>Chilara taylori</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	55.0	-	-	0.0	-	-	-	-	0.0	-	-	-
77.0	51.0	1.2	0.0	0.0	-	-	-	-	-	0.0	-	-
93.0	55.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	6.0	-	-
107.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-
118.5	27.5	-	-	-	-	-	-	-	2.5	-	-	-
119.0	32.5	-	-	-	-	-	-	-	2.7	-	-	-
123.0	50.0	-	0.0	0.0	0.0	0.0	2.7	-	-	0.0	-	-
<i>Ophidion scrippsae</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.6	-	-
93.0	28.0	0.0	0.0	-	0.0	0.0	0.0	5.1	-	0.0	-	-
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	0.0	-	-
97.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.5	-	-
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.0	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	40.0	3.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	27.4	-	-	-
118.5	27.5	-	-	-	-	-	-	-	53.0	-	-	-
118.5	30.0	-	-	-	-	-	-	-	7.7	-	-	-
119.0	25.0	-	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Ophidion scrippsae* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
119.0	27.5	-	-	-	-	-	-	-	16.6	-	-	-
119.0	30.0	-	-	-	-	-	-	-	17.2	-	-	-
119.0	32.5	-	-	-	-	-	-	-	125.0	-	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.4	-	-	-
119.0	35.0	-	-	-	-	-	-	-	4.6	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	19.5	-	-
120.0	27.5	-	-	-	-	-	-	-	4.7	-	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	24.1	8.4	-	-
120.0	32.5	-	-	-	-	-	-	-	26.5	-	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.0	19.7	-	-
120.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	10.0	10.0	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	-	0.0	11.9	-	-	-
121.0	30.0	-	-	-	-	-	-	-	7.8	-	-	-
121.0	32.5	-	-	-	-	-	-	-	54.9	-	-	-
121.0	35.0	-	-	-	-	-	-	-	12.0	-	-	-
123.0	42.0	-	-	-	-	-	2.9	0.0	0.0	0.0	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	-	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	6.6	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	-	4.6	-	21.2	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	5.1	-	-
137.0	35.0	2.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-

*Porichthys* spp.

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	0.0	2.4	-	-

## Ceratioidei

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	200.0	-	-	-	-	-	0.0	-	4.8	-	-	-
90.0	160.0	-	-	-	-	-	0.0	-	-	5.7	-	-
90.0	200.0	-	-	-	-	-	0.0	-	2.5	-	-	-
93.0	100.0	-	-	-	0.0	0.0	0.0	0.0	-	2.9	-	-
100.0	40.0	0.0	0.0	0.0	-	0.0	-	0.0	-	2.3	-	-
100.0	70.0	-	-	-	-	-	-	-	-	5.7	-	-
100.0	80.0	-	-	-	-	-	-	-	-	3.3	-	-
100.0	90.0	-	-	-	-	-	-	-	-	2.9	-	-
103.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-
110.0	55.0	0.0	0.0	0.0	0.0	-	-	-	-	5.3	-	-
110.0	90.0	0.0	0.0	0.0	-	-	-	-	-	5.8	-	-
110.0	100.0	-	-	-	-	-	-	-	-	2.8	-	-
110.0	120.0	-	-	-	-	-	-	-	-	2.7	-	-
120.0	90.0	-	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

Ceratioidei (cont.)												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	100.0	-	-	-	-	-	-	0.0	-	2.6	-	-
120.0	120.0	-	-	-	-	-	-	0.0	-	5.3	-	-
130.0	50.0	-	0.0	0.0	0.0	-	-	0.0	-	2.6	-	-
130.0	80.0	-	-	-	-	-	-	2.4	-	2.8	-	-
Gobiesocidae												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	30.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	7.7	-	-
Exocoetidae												
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	-	2.8	0.0	0.0	0.0	-	-
107.0	60.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	0.0	-	-
123.0	37.0	-	0.0	0.0	0.0	0.0	2.5	0.0	-	0.0	-	-
123.0	42.0	-	0.0	0.0	0.0	0.0	2.3	0.0	-	0.0	-	-
<i>Cololabis saira</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	70.0	0.0	-	5.3	-	-	0.0	-	0.0	-	-	-
83.0	80.0	0.0	0.0	2.7	-	0.0	0.0	-	-	-	-	-
87.0	85.0	-	-	2.5	-	-	-	-	-	-	-	-
90.0	100.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	40.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	0.0	-	-
100.0	50.0	0.0	0.0	0.0	-	0.0	-	0.0	-	0.0	-	-
103.0	40.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-	-
107.0	45.0	2.7	2.1	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	50.0	2.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	35.0	0.0	0.0	0.0	2.8	0.0	-	0.0	0.0	0.0	-	-
110.0	40.0	0.0	0.0	0.0	2.9	0.0	-	0.0	1.7	0.0	-	-
113.0	50.0	8.3	0.0	0.0	0.0	0.0	-	-	-	-	-	-
Atherinidae												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	30.0	0.0	1.5	0.0	-	0.0	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

## Trachipteridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	60.0			2.9								
47.0	55.0	1.8		3.0								
47.0	60.0			4.4								
50.0	90.0			2.4								
53.0	55.0			0.0								
53.0	60.0			0.0								
53.0	70.0			0.0								
57.0	60.0			0.0								
63.0	80.0	1.6		0.0								
63.0	100.0	4.6				0.0			0.0			
70.0	100.0	2.6										
73.0	90.0			3.5								
80.0	80.0	0.0	0.0	0.0		0.0			0.0			
80.0	85.0			1.8		0.0			0.0			
83.0	70.0	0.0	0.0	2.0		0.0						
83.0	85.0			2.8								
83.0	90.0	0.0		0.0		5.7				0.0		
87.0	60.0	0.0	0.0	0.0		0.0						
87.0	80.0	0.0	2.7	0.0		0.0						
90.0	80.0	0.0	0.0	0.0		0.0		0.0				
90.0	90.0	0.0	3.1	0.0		0.0		0.0				
93.0	75.0			0.0		2.7						
93.0	85.0			0.0		0.0						
93.0	90.0	0.0	0.0			2.8		0.0				
97.0	75.0			3.0		0.0						
100.0	60.0		1.4	0.0		0.0						
100.0	75.0			0.0		3.0						
103.0	45.0		0.0	0.0		0.0						
107.0	40.0	2.1	0.0	0.0		0.0		0.0				
113.0	80.0	0.0	3.0	0.0		0.0		0.0				
1157.0	45.0	0.0	0.0	0.0		2.8						

## Melamphaes spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	60.0			2.9								
40.0	70.0	1.8		0.0								
50.0	100.0	4.7										
53.0	55.0			9.2								
53.0	60.0			1.6								
53.0	80.0											
57.0	70.0			0.0								
60.0	57.0											
60.0	70.0			3.3			2.5		0.0			
60.0	80.0	1.8		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.
60.0	90.0	5.1	-	-	-	-	2.7	-	0.0	-	-	-
60.0	100.0	2.2	-	0.0	-	-	0.0	-	0.0	-	-	-
60.0	120.0	-	-	-	-	-	7.1	-	0.0	-	-	-
60.0	140.0	-	-	-	-	-	1.8	-	0.0	-	-	-
60.0	160.0	-	-	-	-	-	0.0	-	2.7	-	-	-
63.0	70.0	2.3	-	0.0	-	-	-	-	0.0	-	-	-
70.0	80.0	2.4	-	0.0	-	-	0.0	-	0.0	-	-	-
70.0	120.0	-	-	-	-	-	1.2	-	0.0	-	-	-
70.0	200.0	-	-	-	-	0.0	12.6	-	0.0	0.0	-	-
73.0	51.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-
73.0	53.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-
73.0	90.0	0.0	0.0	7.0	-	-	-	-	-	-	-	-
77.0	57.0	2.6	-	-	-	0.0	-	-	-	-	-	-
77.0	65.0	0.0	2.8	-	-	0.0	-	-	-	-	-	-
77.0	70.0	0.0	10.7	7.0	-	0.0	-	-	-	-	-	-
77.0	90.0	0.0	1.7	0.0	-	0.0	0.0	-	0.0	-	-	-
80.0	55.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
80.0	60.0	0.0	0.0	0.0	-	5.8	8.0	-	0.0	-	-	-
80.0	65.0	-	-	0.0	-	5.1	-	-	0.0	-	-	-
80.0	75.0	-	-	0.0	-	12.0	1.5	-	0.0	-	-	-
80.0	90.0	0.0	2.4	2.9	-	-	0.0	-	2.6	-	-	-
80.0	100.0	-	-	-	-	-	3.2	-	-	-	-	-
80.0	120.0	-	-	-	-	-	7.1	-	2.2	-	-	-
80.0	200.0	-	-	-	-	-	2.7	-	-	0.0	-	-
83.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
83.0	65.0	0.0	0.0	0.0	0.0	0.0	3.1	-	-	-	-	-
83.0	70.0	0.0	2.8	-	-	0.0	2.4	-	-	-	-	-
83.0	75.0	0.0	8.0	-	-	0.0	-	-	-	-	-	-
83.0	80.0	3.7	0.0	9.6	-	0.0	0.0	-	-	-	-	-
83.0	85.0	0.0	0.0	2.0	-	0.0	0.0	-	-	0.0	-	-
87.0	60.0	0.0	2.3	0.0	0.0	2.8	2.9	-	-	-	-	-
87.0	75.0	0.0	0.0	2.8	-	-	0.0	-	-	-	-	-
87.0	85.0	0.0	0.0	9.2	-	-	0.0	-	-	-	-	-
87.0	95.0	-	-	12.4	-	-	-	-	-	-	-	-
90.0	45.0	0.0	0.0	0.0	0.0	-	3.1	0.0	0.0	0.0	-	-
90.0	65.0	0.0	0.0	9.0	9.0	6.3	0.0	0.0	0.0	0.0	-	-
90.0	80.0	0.0	2.8	0.0	3.2	0.0	6.1	0.0	2.8	2.8	-	-
90.0	90.0	0.0	6.1	0.0	5.6	2.7	0.0	5.5	2.4	2.4	-	-
90.0	95.0	0.0	2.3	0.0	3.6	2.9	0.0	-	-	-	-	-
90.0	100.0	0.0	0.0	7.8	6.0	0.0	2.7	0.0	0.0	0.0	-	-
90.0	120.0	-	-	-	-	0.0	3.3	3.3	0.0	0.0	-	-
90.0	160.0	-	-	-	-	-	3.3	-	-	2.8	-	-
90.0	180.0	-	-	-	-	-	6.0	-	-	0.0	-	-
93.0	50.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	-	-
93.0	55.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	-	-
93.0	65.0	-	-	0.0	0.0	14.8	0.0	-	-	0.0	-	-

TABLE 4. (cont.)

*Melampus* spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93-0	70.0	0.0	1.4	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93-0	80.0	2.7	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93-0	85.0	2.3	6.1	-	2.8	2.7	0.0	3.1	-	0.0	-	-
93-0	90.0	0.0	2.9	-	0.0	2.8	0.0	0.0	-	0.0	-	-
93-0	95.0	0.0	0.0	-	6.0	3.0	0.0	0.0	-	0.0	-	-
93-0	100.0	0.0	0.0	-	3.1	2.8	2.9	0.0	-	0.0	-	-
97-0	40.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	-	0.0	-	-
97-0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
97-0	60.0	0.0	1.3	0.0	-	2.9	0.0	-	-	-	-	-
97-0	65.0	-	0.0	0.0	-	0.0	0.0	-	-	-	-	-
97-0	70.0	2.8	0.0	3.0	-	0.0	0.0	-	-	-	-	-
97-0	80.0	0.0	0.0	0.0	-	0.0	0.0	2.6	-	0.0	-	-
100-0	55.0	0.0	0.0	0.0	-	0.0	-	2.5	-	2.6	-	-
100-0	70.0	0.0	0.0	0.0	-	0.0	-	0.0	-	2.9	-	-
100-0	80.0	0.0	0.0	2.2	-	0.0	-	0.0	-	0.0	-	-
100-0	90.0	3.1	0.0	0.0	-	0.0	2.9	0.0	0.0	0.0	-	-
103-0	40.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	-	-	-
103-0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103-0	60.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	-	-	-
107-0	55.0	0.0	0.0	0.0	0.0	3.1	0.0	-	-	-	-	-
107-0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
110-0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
110-0	55.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.8	-	-
110-0	60.0	0.0	0.0	0.0	0.0	0.0	-	2.8	-	2.8	-	-
110-0	65.0	0.0	0.0	0.0	0.0	0.0	-	5.3	-	11.4	-	-
110-0	80.0	0.0	0.0	0.0	0.0	3.0	-	0.0	-	5.6	-	-
110-0	120.0	-	-	-	-	-	-	-	-	-	-	-
113-0	45.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
113-0	50.0	0.0	0.0	7.7	0.0	0.0	3.1	-	-	-	-	-
113-0	55.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-	-	-	-
113-0	60.0	0.0	0.0	0.0	2.6	0.0	5.9	-	-	-	-	-
113-0	70.0	0.0	0.0	0.0	0.0	0.0	3.1	-	-	-	-	-
117-0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
117-0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
117-0	70.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
120-0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
120-0	70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.8	-	-
120-0	80.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
120-0	100.0	1.5	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
120-0	120.0	-	-	-	-	-	-	-	-	-	-	-
123-0	45.0	0.0	0.0	2.7	0.0	0.0	0.0	3.0	-	0.0	-	-
123-0	60.0	0.0	0.0	2.9	0.0	2.6	0.0	0.0	-	0.0	-	-
127-0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
127-0	80.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
130-0	35.0	4.2	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
130-0	70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	5.1	-	-

TABLE 4. (cont.)

*Melamphaes* spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	80.0	-	-	-	-	-	-	2.4	-	0.0	-	-
133.0	55.0	0.0	-	0.0	-	-	-	2.7	-	-	-	2.7
133.0	60.0	0.0	-	0.0	-	-	-	2.6	-	-	-	-
137.0	50.0	0.0	0.0	0.0	-	-	-	3.3	-	0.0	-	-
147.0	50.0	-	-	2.8	-	-	-	-	-	-	-	-
147.0	60.0	0.0	-	8.5	-	-	-	-	-	-	-	-
153.0	55.0	0.0	-	2.7	-	-	-	-	-	-	-	-
157.0	20.0	2.6	-	-	-	-	-	-	-	-	-	-
157.0	35.0	3.0	-	-	-	-	-	-	-	-	-	-
157.0	50.0	2.6	-	-	-	-	-	-	-	-	-	-

*Poromitra* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	140.0	-	-	-	-	-	0.0	-	5.4	-	-	-
90.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	0.0	-	-
90.0	95.0	-	-	0.0	3.6	0.0	-	-	-	-	-	-
90.0	100.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	0.0	-	-
90.0	140.0	-	-	-	-	-	0.0	-	-	2.8	-	-
90.0	160.0	-	-	-	-	-	0.0	-	-	-	-	-
93.0	95.0	-	0.0	-	3.0	0.0	-	-	-	-	-	-
93.0	100.0	-	0.0	-	0.0	0.0	2.9	0.0	-	0.0	-	-
120.0	60.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	0.0	-	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	-	0.0	-	-
127.0	80.0	-	0.0	0.0	0.0	0.0	0.0	-	-	3.4	-	-
153.0	50.0	2.8	-	-	-	-	-	-	-	-	-	-
153.0	60.0	0.0	-	0.0	0.0	-	-	-	-	-	-	-
153.0	70.0	0.0	-	5.5	-	-	-	-	-	-	-	-
157.0	15.0	2.8	-	-	-	-	-	-	-	-	-	-
157.0	35.0	4.4	-	-	-	-	-	-	-	-	-	-
157.0	50.0	2.6	-	-	-	-	-	-	-	-	-	-
157.0	60.0	2.6	-	-	-	-	-	-	-	-	-	-

*Scopeloberyx robustus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	180.0	-	-	-	-	-	0.0	-	2.7	-	-	-
90.0	180.0	-	-	-	-	-	0.0	-	0.0	-	-	-
90.0	200.0	-	-	-	-	-	3.3	-	0.0	-	-	-

TABLE 4. (cont.)

*Scopelogadus bispinosus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	60.0	2.3	-	0.0	-	-	6.2	-	0.0	-	-	-
60.0	160.0	-	-	-	-	-	-	-	-	-	-	-
67.0	53.0	2.6	-	-	-	-	-	-	0.0	-	-	-
70.0	80.0	0.0	0.0	0.0	0.0	0.0	3.0	-	0.0	-	-	-
80.0	90.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
87.0	50.0	0.0	2.3	0.0	0.0	0.0	2.7	-	-	-	-	-
87.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
90.0	140.0	-	-	-	-	-	-	-	-	-	-	-
90.0	35.0	0.0	0.0	2.8	-	0.0	-	0.0	-	2.8	0.0	-
100.0	120.0	-	-	-	-	-	-	0.0	-	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	-	-
107.0	60.0	0.0	2.2	0.0	0.0	0.0	0.0	-	-	3.1	-	-
107.0	80.0	0.0	0.0	2.8	0.0	0.0	2.9	-	-	-	-	-
110.0	100.0	-	-	-	-	-	-	0.0	-	-	-	-
117.0	70.0	0.0	1.7	0.0	0.0	0.0	0.0	-	-	2.9	-	-
127.0	80.0	0.0	0.0	-	-	-	-	-	-	-	-	-
130.0	70.0	-	-	2.6	-	-	-	0.0	-	5.1	-	-
133.0	35.0	2.7	-	0.0	-	-	-	-	-	-	-	-
153.0	45.0	2.6	-	0.0	-	-	-	-	-	-	-	-
153.0	50.0	-	-	0.0	-	-	-	-	-	-	-	-
153.0	55.0	2.5	-	0.0	-	-	-	-	-	-	-	-
157.0	35.0	2.2	-	5.3	-	-	-	-	-	-	-	-
157.0	40.0	4.5	-	-	-	-	-	-	-	-	-	-
157.0	45.0	16.5	-	-	-	-	-	-	-	-	-	-
157.0	50.0	7.8	-	-	-	-	-	-	-	-	-	-

*Macroramphosus gracilis*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	30.0	2.8	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-

*Syngnathus* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	60.0	0.0	0.0	0.0	-	0.0	0.0	-	2.6	-	-	-
83.0	55.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	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	-	0.0	0.0	2.7	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	2.9	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	-	-
118.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	0.0	-	-

TABLE 4. (cont.)

Agonidae												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	52.0	0.0	-	2.5	-	-	0.0	-	3.2	-	-	-
67.0	67.0	0.0	-	10.4	-	-	-	-	0.0	-	-	-
77.0	55.0	0.0	6.1	0.0	0.0	0.0	-	-	0.0	0.0	-	-
82.0	47.0	0.0	5.3	0.0	0.0	0.0	0.0	-	-	0.0	-	-
83.0	43.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	-	-
Cottidae												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	47.0	-	-	0.0	-	-	-	-	0.0	-	-	-
60.0	52.0	0.0	-	7.7	-	-	0.0	-	0.0	-	-	-
67.0	55.0	0.0	-	0.0	-	-	0.0	-	0.0	-	-	-
83.0	40.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	-	0.0	-	-
83.0	43.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	0.0	-	-
83.0	51.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	40.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	0.0	-	-
87.0	45.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	50.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	-	0.0	-	-
97.0	30.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	-	0.0	-	-
97.0	40.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
100.0	29.0	0.0	1.4	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0	30.0	0.0	0.0	0.0	0.0	-	0.0	0.0	3.9	2.5	-	-
103.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	45.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	-	-
117.0	50.0	0.0	2.9	0.0	0.0	0.0	0.0	-	0.0	-	-	-
118.0	39.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-
120.0	25.0	0.0	0.0	0.0	2.0	0.0	0.0	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	7.5	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	0.0	-	-
130.0	45.0	0.0	0.0	0.0	0.0	0.0	-	5.2	-	0.0	-	-
137.0	23.0	0.0	2.5	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	-	-
Scorpaenichthys marmoratus												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	55.0	2.7	-	0.0	-	-	0.0	-	-	-	-	-
53.0	55.0	1.8	-	0.0	-	-	-	-	-	-	-	-
80.0	53.0	0.0	3.2	0.0	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Scorpaenichthys marmoratus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	60.0	0.0	0.0	1.7	0.0	0.0	0.0	-	-	0.0	-	-
90.0	28.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	45.0	0.0	1.5	-	0.0	0.0	0.0	-	-	0.0	-	-

## Cyclopteridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	60.0	-	0.0	2.9	-	-	-	-	-	-	-	-
50.0	47.0	-	0.0	-	-	-	-	-	-	-	-	-
57.0	55.0	0.0	-	4.6	-	-	-	-	-	-	-	-
83.0	43.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	-	0.0	-	-
83.0	51.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	50.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	0.0	-	-
90.0	28.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	9.8	-	-
103.0	30.0	0.0	0.0	0.0	0.0	-	0.0	0.0	3.9	0.0	-	-
107.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	-	-
110.0	33.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	4.8	-	-

## Hexagrammidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	43.0	0.0	0.0	7.7	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.
87.0	50.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	45.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	55.0	0.0	0.0	0.0	0.0	3.0	0.0	-	-	0.0	-	-
100.0	29.0	0.0	-	1.9	0.0	0.0	-	0.0	-	-	-	-
103.0	30.0	0.0	0.0	2.6	0.0	-	0.0	0.0	0.0	0.0	-	-
103.0	45.0	0.0	0.0	0.0	2.9	0.0	0.0	-	-	-	-	-
103.0	50.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-	-	-	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	-	1.3	0.0	0.0	-	-
117.0	35.0	0.0	2.6	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.
77.0	55.0	0.0	0.0	0.0	3.1	0.0	-	-	-	0.0	-	-
82.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	5.6	-	-

TABLE 4. (cont.)

*Zaniolepis* spp. (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	0.0	0.0	-	2.7	-	-
83.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.6	-	-
87.0	40.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	50.0	1.2	0.0	0.0	0.0	0.0	-	-	-	-	-	-
103.0	30.0	0.0	2.6	0.0	-	-	0.0	0.0	0.0	0.0	-	-
123.0	37.0	1.3	0.0	1.7	0.0	0.0	0.0	0.0	-	0.0	-	-

*Scorpaenidae*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	90.0	-	-	0.0	-	-	0.0	-	-	-	-	-
60.0	200.0	-	-	-	-	-	2.9	-	3.6	-	-	-
									0.0	-	-	-

*Scorpaena* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	55.0	0.0	0.0	-	0.0	3.0	0.0	-	-	0.0	-	-
97.0	50.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	0.0	-	-
100.0	40.0	0.0	0.0	0.0	-	0.0	-	1.6	-	0.0	-	-
100.0	65.0	-	-	0.0	-	-	-	2.5	-	2.9	-	-
109.0	100.0	-	-	-	-	-	5.2	0.0	0.0	0.0	-	-
103.0	30.0	0.0	0.0	0.0	0.0	-	-	3.2	0.0	0.0	-	-
115.0	35.0	-	-	-	-	-	-	5.6	-	0.0	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	2.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	-	0.0	-	-
120.0	55.0	0.0	2.8	0.0	0.0	0.0	-	2.2	-	0.0	-	-
120.0	60.0	-	0.0	0.0	0.0	0.0	-	5.8	-	0.0	-	-
120.0	65.0	-	0.0	0.0	0.0	0.0	-	5.9	-	0.0	-	-
120.0	70.0	-	0.0	0.0	0.0	0.0	-	2.5	-	0.0	-	-
120.0	100.0	-	-	-	-	-	-	-	1.7	-	-	-
121.0	27.5	-	-	-	-	-	-	-	2.0	-	-	-
121.0	30.0	-	-	-	-	-	-	-	1.8	-	-	-
121.0	32.5	-	-	-	-	-	-	-	1.7	-	-	-
121.0	35.0	-	-	-	-	-	-	-	-	-	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	0.0	-	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	5.4	-	-	0.0	-	-
123.0	55.0	0.0	0.0	0.0	0.0	0.0	6.0	-	-	0.0	-	-
127.0	40.0	-	0.0	0.0	0.0	0.0	11.1	0.0	-	0.0	-	-
127.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	0.0	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	-	2.9	-	0.0	-	-
133.0	30.0	0.0	2.7	0.0	0.0	0.0	-	0.0	-	0.0	-	-
133.0	35.0	0.0	0.0	0.0	0.0	0.0	-	2.5	-	0.0	-	-
133.0	55.0	0.0	0.0	0.0	0.0	0.0	-	48.4	-	0.0	-	-

TABLE 4. (cont.)

*Sebastes spp.*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	45.0	-	-	2.3	-	-	-	-	-	-	-	-
40.0	55.0	-	4.3	0.0	-	-	-	-	-	-	-	-
40.0	60.0	3.7	-	5.8	-	-	-	-	-	-	-	-
43.0	42.0	-	-	5.0	-	-	-	-	-	-	-	-
43.0	50.0	-	-	2.2	-	-	-	-	-	-	-	-
43.0	55.0	-	-	45.8	-	-	-	-	-	-	-	-
47.0	55.0	-	-	6.6	-	-	-	-	-	-	-	-
47.0	60.0	-	-	0.0	-	-	-	-	-	-	-	-
50.0	47.0	-	-	0.0	-	-	-	-	-	-	-	-
50.0	50.0	64.1	-	31.8	-	14.2	-	-	-	-	-	-
50.0	55.0	13.3	-	38.4	-	7.5	-	-	-	-	-	-
50.0	60.0	9.3	-	0.0	-	-	-	-	-	-	-	-
50.0	70.0	6.0	-	0.0	-	-	-	-	-	-	-	-
50.0	80.0	7.7	-	0.0	-	-	-	-	-	-	-	-
53.0	52.0	106.1	-	0.0	-	-	-	-	-	-	-	-
53.0	55.0	101.4	-	9.2	-	-	-	-	-	-	-	-
53.0	57.0	86.8	-	-	-	-	-	-	-	-	-	-
53.0	60.0	66.7	-	11.2	-	-	-	-	-	-	-	-
53.0	70.0	36.6	-	2.5	-	-	-	-	-	-	-	-
57.0	51.0	137.8	-	2.7	-	-	-	-	-	-	-	-
57.0	55.0	184.0	-	13.7	-	-	-	-	-	-	-	-
57.0	57.0	180.0	-	-	-	-	-	-	-	-	-	-
57.0	60.0	49.7	-	3.3	-	-	-	-	-	-	-	-
57.0	70.0	36.0	-	0.0	-	-	-	-	-	-	-	-
57.0	80.0	1.8	-	-	-	-	-	-	-	-	-	-
60.0	52.0	99.0	-	0.0	-	-	4.7	-	0.0	-	-	-
60.0	55.0	254.7	-	149.8	-	-	29.7	-	0.0	-	-	-
60.0	57.0	43.4	-	-	-	-	-	-	-	-	-	-
60.0	60.0	6.5	-	6.7	-	-	60.6	-	0.0	-	-	-
60.0	70.0	4.3	-	0.0	-	-	17.9	-	2.4	-	-	-
60.0	80.0	1.8	-	0.0	-	-	0.0	-	0.0	-	-	-
60.0	90.0	2.5	-	2.5	-	-	5.4	-	0.0	-	-	-
60.0	100.0	2.2	-	-	-	-	1.3	-	0.0	-	-	-
63.0	52.0	-	-	-	-	-	-	-	0.0	-	-	-
63.0	55.0	16.4	-	2.3	-	-	-	-	644.2	-	-	-
63.0	57.0	98.4	-	128.0	-	-	-	-	-	-	-	-
63.0	60.0	18.7	-	43.7	-	-	-	-	16.3	-	-	-
63.0	70.0	0.0	-	23.8	-	-	-	-	-	-	-	-
63.0	80.0	1.6	-	5.1	-	-	-	-	-	-	-	-
67.0	50.0	49.0	-	4.8	-	-	-	-	-	-	-	-
67.0	53.0	263.0	-	-	-	-	-	-	-	-	-	-
67.0	55.0	202.1	-	146.2	-	-	-	-	-	-	-	-
67.0	60.0	83.6	-	0.0	-	-	-	-	0.0	-	-	-
67.0	70.0	0.0	-	49.1	-	-	-	-	0.0	-	-	-
67.0	80.0	31.8	-	4.6	-	-	-	-	-	-	-	-
67.0	90.0	-	-	17.0	-	-	-	-	-	-	-	-



TABLE 4. (cont.)

## Sebastes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70-0	51.0	111.7	-	-	-	-	-	-	-	-	-	-
70-0	52.0	-	-	125.4	-	-	-	-	6.6	-	-	-
70-0	53.0	13.0	-	90.7	-	-	3.7	-	0.0	-	-	-
70-0	55.0	2.8	-	-	-	-	9.1	-	0.0	-	-	-
70-0	60.0	45.1	-	26.7	-	-	0.0	-	0.0	-	-	-
70-0	70.0	2.4	-	22.9	-	-	5.9	-	0.0	-	-	-
70-0	80.0	0.0	-	15.0	21.0	2.9	6.1	-	0.0	-	-	-
73-0	51.0	76.0	14.2	-	-	-	-	-	-	0.0	-	-
73-0	53.0	18.2	36.5	-	0.0	0.0	-	-	-	0.0	-	-
73-0	55.0	9.4	29.2	2.3	0.0	0.0	-	-	-	0.0	-	-
73-0	60.0	5.0	15.4	0.0	0.0	-	-	-	-	0.0	-	-
73-0	70.0	2.5	0.0	7.0	-	-	-	-	-	-	-	-
73-0	90.0	-	0.0	-	6.3	6.4	-	-	-	18.9	-	-
77-0	50.0	6.6	10.4	0.0	-	-	-	-	-	0.0	-	-
77-0	51.0	17.9	30.3	46.4	-	-	-	-	-	0.0	-	-
77-0	53.0	117.5	38.5	-	-	-	-	-	-	3.7	-	-
77-0	55.0	37.7	24.6	24.2	0.0	0.0	-	-	-	0.0	-	-
77-0	57.0	43.2	10.9	-	-	0.0	-	-	-	0.0	-	-
77-0	60.0	21.3	0.0	-	-	0.0	-	-	-	-	-	-
77-0	65.0	-	0.0	8.3	-	0.0	-	-	-	-	-	-
77-0	70.0	12.3	0.0	0.0	-	0.0	-	-	-	-	-	-
80-0	52.0	78.3	50.0	12.4	-	3.5	-	-	-	-	-	-
80-0	53.0	457.6	12.8	65.8	-	10.8	0.0	-	0.0	-	-	-
80-0	55.0	143.5	5.3	24.1	-	-	-	-	0.0	-	-	-
80-0	57.0	12.5	17.0	-	-	3.7	5.9	-	-	-	-	-
80-0	60.0	50.4	7.5	-	-	0.0	0.0	-	0.0	-	-	-
80-0	65.0	-	0.0	6.6	-	2.9	0.0	-	0.0	-	-	-
80-0	70.0	0.0	0.0	6.1	-	0.0	0.0	-	0.0	-	-	-
80-0	80.0	0.0	0.0	5.3	-	2.5	0.0	-	0.0	-	-	-
80-0	90.0	0.0	0.0	0.0	-	3.0	0.0	-	0.0	-	-	-
82-0	47.0	135.2	40.7	55.2	0.0	20.6	0.0	-	0.0	14.1	-	-
83-0	40.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	1.2	-	-
83-0	43.0	334.1	21.2	117.8	60.9	5.5	11.8	0.0	0.0	19.1	-	-
83-0	51.0	117.7	76.5	172.7	5.1	5.3	0.0	2.4	0.0	0.0	-	-
83-0	55.0	0.0	7.4	8.9	27.9	10.8	0.0	-	0.0	0.0	-	-
83-0	60.0	7.0	5.3	11.9	0.0	2.7	8.2	-	0.0	0.0	-	-
83-0	65.0	-	0.0	4.2	-	2.7	0.0	-	-	-	-	-
83-0	70.0	0.0	12.6	8.4	-	0.0	0.0	-	-	-	-	-
83-0	75.0	-	0.0	0.0	-	5.5	-	-	-	-	-	-
83-0	80.0	0.0	0.0	0.0	-	8.3	10.6	-	-	11.8	-	-
87-0	35.0	11.7	82.8	31.9	26.8	8.3	5.5	54.8	-	2.7	-	-
87-0	40.0	8.8	136.6	75.9	2.9	2.7	0.0	6.9	-	6.1	-	-
87-0	45.0	51.1	24.9	138.1	10.4	2.7	7.7	0.0	-	3.0	-	-
87-0	50.0	4.5	31.3	244.1	37.0	22.8	0.0	0.0	-	0.0	-	-
87-0	55.0	12.4	2.4	21.8	30.8	5.3	0.0	-	-	0.0	-	-
87-0	60.0	0.0	5.1	0.0	22.0	0.0	0.0	-	-	2.8	-	-

TABLE 4. (cont.)

STATION	Sebastes spp. (cont.)											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	65.0	-	-	-	0.0	-	2.8	-	-	-	-	-
87.0	70.0	0.0	3.1	0.0	0.0	2.8	5.2	-	-	-	-	-
87.0	75.0	-	-	-	2.8	-	-	-	-	-	-	-
87.0	90.0	0.0	3.0	-	0.0	-	-	-	-	-	-	-
90.0	28.0	0.0	22.1	29.7	2.7	2.6	2.8	7.8	-	-	-	-
90.0	32.0	0.0	89.6	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	37.0	35.0	54.8	54.8	32.0	5.4	0.0	0.0	-	2.8	-	-
90.0	45.0	2.8	37.1	26.8	13.1	0.0	0.0	2.5	-	0.0	-	-
90.0	50.0	15.9	31.7	55.2	148.8	14.9	8.3	0.0	-	13.3	-	-
90.0	53.0	-	-	-	-	-	-	-	-	-	-	-
90.0	55.0	69.4	-	59.8	85.9	14.8	6.8	0.0	-	0.0	-	-
90.0	60.0	49.6	2.9	6.1	0.0	5.5	13.2	0.0	-	0.0	-	-
90.0	65.0	-	-	-	0.0	3.0	12.6	0.0	-	0.0	-	-
90.0	70.0	37.0	0.0	0.0	0.0	0.0	2.8	0.0	-	0.0	-	-
90.0	75.0	-	-	-	0.0	6.6	2.8	-	-	-	-	-
90.0	80.0	41.4	0.0	0.0	0.0	3.2	3.1	0.0	-	0.0	-	-
90.0	85.0	-	-	-	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	90.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	28.0	0.0	40.6	19.0	0.0	0.0	5.2	5.1	-	8.1	-	-
93.0	30.0	5.5	89.3	55.9	19.0	0.0	2.8	33.1	-	0.0	-	-
93.0	35.0	0.0	-	-	-	3.6	0.0	0.0	-	2.7	-	-
93.0	40.0	0.0	0.0	14.3	30.9	0.0	0.0	0.0	-	0.0	-	-
93.0	45.0	0.0	0.0	15.3	36.2	2.8	0.0	0.0	-	0.0	-	-
93.0	50.0	0.0	5.5	0.0	60.5	6.1	0.0	0.0	-	0.0	-	-
93.0	55.0	1.9	34.6	24.4	19.6	5.9	2.9	0.0	-	0.0	-	-
93.0	60.0	0.0	0.0	4.4	44.2	3.4	0.0	0.0	-	0.0	-	-
93.0	65.0	-	-	-	116.6	11.8	2.6	0.0	-	0.0	-	-
93.0	70.0	-	-	-	0.0	2.7	2.7	-	-	0.0	-	-
93.0	75.0	0.0	0.0	0.0	17.6	0.0	10.9	0.0	-	0.0	-	-
93.0	80.0	-	-	-	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	30.0	0.0	14.9	56.2	0.0	0.0	4.9	9.8	-	2.5	-	-
97.0	32.0	25.4	38.1	38.1	12.3	0.0	2.4	0.0	-	0.0	-	-
97.0	35.0	0.0	14.5	2.3	5.8	3.0	0.0	0.0	-	0.0	-	-
97.0	40.0	0.0	20.9	2.1	3.1	2.6	0.0	0.0	-	0.0	-	-
97.0	45.0	0.0	0.0	-	2.8	0.0	2.7	0.0	-	0.0	-	-
97.0	50.0	0.0	3.1	0.0	17.7	5.7	0.0	0.0	-	0.0	-	-
97.0	55.0	0.0	5.2	0.0	29.9	2.8	2.8	0.0	-	0.0	-	-
97.0	60.0	0.0	-	-	0.0	10.7	0.0	-	-	-	-	-
97.0	65.0	-	-	-	0.0	3.0	0.0	-	-	-	-	-
97.0	70.0	-	-	-	0.0	2.8	0.0	-	-	-	-	-
100.0	28.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
100.0	30.0	28.5	-	26.2	26.0	0.0	0.0	0.0	-	13.5	-	-
100.0	35.0	11.3	-	15.9	32.5	0.0	0.0	0.0	-	0.0	-	-
100.0	40.0	-	-	13.9	41.3	0.0	0.0	0.0	-	0.0	-	-
100.0	45.0	0.0	-	0.0	4.4	0.0	2.8	0.0	-	0.0	-	-
100.0	50.0	0.0	-	0.0	0.0	0.0	2.2	0.0	-	0.0	-	-
103.0	30.0	41.8	48.2	10.4	8.8	-	2.6	0.0	-	2.0	-	-

TABLE 4. (cont.)

## Sebastes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
103.0	35.0	29.7	115.1	18.6	6.1	-	0.0	0.0	2.6	0.0	-	-
103.0	40.0	0.0	55.8	0.0	2.8	0.0	0.0	0.0	2.4	0.0	-	-
103.0	45.0	0.0	0.0	4.9	0.0	0.0	0.0	-	-	-	-	-
103.0	50.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-	-	-	-
103.0	55.0	0.0	0.0	0.0	16.9	0.0	0.0	-	-	-	-	-
103.0	60.0	0.0	0.0	0.0	27.0	0.0	0.0	-	-	-	-	-
107.0	32.0	34.2	49.1	11.6	0.0	0.0	0.0	0.0	7.8	2.9	-	-
107.0	35.0	17.4	6.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	40.0	0.0	0.0	0.0	2.8	2.8	0.0	0.0	0.0	0.0	-	-
107.0	55.0	0.0	0.0	0.0	11.3	6.2	0.0	-	-	-	-	-
110.0	33.0	25.8	19.0	13.6	2.7	0.0	0.0	2.8	0.0	0.0	-	-
110.0	35.0	6.3	39.1	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-
110.0	45.0	0.0	9.6	0.0	0.0	15.1	0.0	0.0	1.7	0.0	-	-
110.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	55.0	0.0	0.0	0.0	2.7	6.1	0.0	0.0	-	0.0	-	-
110.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
113.0	30.0	0.0	4.7	2.3	2.1	10.4	0.0	0.0	5.7	0.0	-	-
113.0	35.0	0.0	5.6	28.9	0.0	0.0	2.9	0.0	0.0	0.0	-	-
113.0	40.0	0.0	10.4	20.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	45.0	0.0	3.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-	-
113.0	60.0	0.0	0.0	22.3	0.0	2.8	0.0	-	-	-	-	-
113.0	65.0	-	-	23.6	0.0	0.0	0.0	-	-	-	-	-
113.0	70.0	0.0	0.0	3.1	0.0	0.0	0.0	-	-	-	-	-
117.0	26.0	0.0	28.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	30.0	0.0	111.1	10.9	13.6	12.8	0.0	0.0	0.0	0.0	-	-
117.0	35.0	0.0	48.0	71.4	8.6	2.6	0.0	0.0	2.7	0.0	-	-
117.0	40.0	17.9	151.5	6.4	8.6	0.0	0.0	0.0	0.0	0.0	-	-
117.0	45.0	0.0	11.7	3.7	31.8	2.6	0.0	0.0	0.0	0.0	-	-
117.0	50.0	0.0	35.0	0.0	5.5	32.2	0.0	-	-	-	-	-
117.0	55.0	0.0	12.5	0.0	0.0	2.7	0.0	-	-	-	-	-
117.0	60.0	0.0	14.5	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	70.0	0.0	8.0	6.6	0.0	0.0	0.0	-	-	-	-	-
117.0	75.0	-	-	1.8	0.0	0.0	0.0	-	-	-	-	-
118.0	39.0	13.4	0.0	97.2	2.8	2.6	5.7	0.0	-	0.0	-	-
119.0	25.0	-	-	-	-	-	-	2.5	-	-	-	-
119.0	33.0	0.0	38.9	5.0	0.0	2.5	0.0	0.0	0.0	0.0	-	-
120.0	25.0	2.4	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	30.0	0.0	49.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	35.0	0.0	9.3	1.5	0.0	0.0	1.8	0.0	0.0	0.0	-	-
120.0	40.0	0.0	2.3	11.6	0.0	1.4	0.0	0.0	0.0	0.0	-	-
120.0	45.0	1.4	0.0	3.5	14.1	0.0	0.0	0.0	0.0	0.0	-	-
120.0	50.0	0.0	3.7	0.0	5.2	0.0	0.0	0.0	0.0	0.0	-	-
120.0	55.0	0.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	60.0	0.0	82.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	65.0	-	-	2.5	9.1	0.0	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

## Sebastes spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	70.0	0.0	22.1	3.0	0.0	0.0	-	0.0	-	0.0	-	-
123.0	37.0	2.0	210.9	17.1	11.9	0.0	0.0	0.0	-	10.0	-	-
123.0	42.0	5.4	68.2	10.2	3.0	0.0	0.0	0.0	-	0.0	-	-
123.0	45.0	9.4	11.6	0.0	5.8	0.0	-	0.0	-	0.0	-	-
123.0	55.0	0.0	0.0	0.0	16.3	0.0	0.0	-	-	-	-	-
127.0	34.0	0.0	22.5	50.5	20.2	2.6	0.0	0.0	-	0.0	-	-
127.0	40.0	1.0	2.7	22.3	31.0	5.2	0.0	0.0	-	0.0	-	-
127.0	45.0	1.2	31.4	0.0	5.3	2.7	0.0	0.0	-	0.0	-	-
130.0	30.0	0.0	2.3	4.8	2.3	0.0	0.0	0.0	-	0.0	-	-
130.0	35.0	0.0	8.3	19.9	0.0	0.0	0.0	0.0	-	0.0	-	-
130.0	40.0	1.4	0.0	10.6	6.3	0.0	0.0	0.0	-	0.0	-	-
130.0	45.0	0.0	0.0	110.8	2.8	2.8	0.0	0.0	-	0.0	-	-
130.0	50.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	-	0.0	-	-
130.0	60.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	0.0	-	-
133.0	35.0	0.0	216.0	26.7	0.0	5.8	0.0	0.0	-	-	-	-
133.0	40.0	0.0	31.2	0.0	0.0	0.0	0.0	0.0	-	-	-	-
134.0	36.0	0.0	131.1	53.6	0.0	0.0	0.0	0.0	-	0.0	-	-
137.0	30.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	-	0.0	-	-
137.0	35.0	0.0	27.4	0.0	5.9	0.0	0.0	0.0	-	0.0	-	-
137.0	40.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-

## Sebastolobus spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	45.0	-	-	4.7	-	-	-	-	-	-	-	-
40.0	50.0	-	-	11.1	-	-	-	-	-	-	-	-
40.0	70.0	0.0	-	2.6	-	-	-	-	-	-	-	-
43.0	45.0	-	-	2.6	-	-	-	-	-	-	-	-
47.0	60.0	-	-	17.6	-	-	0.0	-	-	-	-	-
50.0	55.0	-	-	13.9	-	-	-	-	-	-	-	-
53.0	60.0	-	-	41.6	-	-	-	-	-	-	-	-
53.0	70.0	-	-	2.5	-	-	-	-	-	-	-	-
57.0	60.0	-	-	3.3	-	-	0.0	-	0.0	-	-	-
60.0	55.0	-	-	7.7	-	-	2.5	-	0.0	-	-	-
60.0	70.0	-	-	0.0	-	-	0.0	-	3.2	-	-	-
60.0	80.0	-	-	0.0	-	-	0.0	-	2.7	-	-	-
67.0	60.0	0.0	-	0.0	-	-	2.7	-	0.0	-	-	-
70.0	90.0	0.0	-	0.0	0.0	0.0	-	-	3.0	-	-	-
73.0	60.0	0.0	0.0	0.0	-	-	0.0	-	0.0	-	-	-
80.0	65.0	-	-	0.0	-	3.0	0.0	-	0.0	-	-	-
80.0	90.0	0.0	0.0	0.0	0.0	0.0	5.5	-	0.0	-	-	-
83.0	60.0	0.0	0.0	0.0	-	0.0	6.1	-	-	-	-	-
83.0	65.0	-	-	0.0	-	0.0	2.4	-	-	-	-	-
83.0	70.0	0.0	0.0	0.0	-	0.0	2.7	-	-	-	-	-
83.0	80.0	0.0	0.0	0.0	-	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

*Sebastolobus* spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	0.0	-	-
93.0	65.0	-	0.0	-	0.0	3.0	0.0	-	-	0.0	-	-
93.0	85.0	-	3.0	-	0.0	0.0	-	-	-	-	-	-
97.0	60.0	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-	-

*Prionotus* 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	0.0	5.2	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-
120.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	12.0	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	3.0	-	-
121.0	35.0	-	-	-	-	-	-	-	6.8	-	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	-	1.1	-	0.0	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	18.8	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	-	86.8	-	302.1	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	-	7.0	-	41.0	-	-
140.0	30.0	0.0	-	-	-	-	-	7.1	-	-	-	-
143.0	26.0	0.0	-	-	-	-	-	20.5	-	-	-	-

## Blennioidei

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	55.0	0.0	-	2.0	-	-	0.0	-	-	-	-	-

## Bathymasteridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
67.0	55.0	-	2.3	-	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	2.9	-	1.2	-	-
83.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	-	2.6	-	-
90.0	28.0	0.0	0.0	0.0	0.0	0.0	16.7	2.6	-	0.0	-	-
90.0	32.0	0.0	0.0	0.0	-	0.0	2.9	0.0	-	0.0	-	-
93.0	28.0	0.0	0.0	-	0.0	0.0	9.1	2.6	-	0.0	-	-
97.0	30.0	0.0	0.0	0.0	2.5	0.0	0.0	21.5	-	0.0	-	-
100.0	30.0	0.0	0.0	0.0	-	0.0	-	4.5	-	0.0	-	-

TABLE 4. (cont.)

*Hypsoblennius* spp. (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	-	2.8	0.0	0.0	0.0	-	-
107.0	32.0	0.0	0.0	0.0	0.0	0.0	2.9	5.8	0.0	0.0	-	-
107.0	50.0	0.0	0.0	0.0	0.0	0.0	5.8	-	-	-	-	-
107.0	70.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	-	-	-
110.0	33.0	0.0	0.0	0.0	0.0	0.0	-	7.0	6.0	0.0	-	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	-	1.3	0.0	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	-	-
115.0	27.0	-	0.0	-	-	-	0.0	2.0	2.3	0.0	-	-
117.0	26.0	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	0.0	0.0	0.0	0.0	0.0	2.7	5.4	-	-
118.5	30.0	-	-	-	-	-	-	-	2.4	-	-	-
119.0	25.0	-	-	-	-	-	-	-	2.5	-	-	-
119.0	32.5	-	-	-	-	-	-	6.1	0.0	0.0	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	-	-	2.3	0.0	-	-
119.0	35.0	-	-	-	-	-	-	-	-	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	-	-
120.0	30.0	0.0	0.0	0.0	0.0	2.7	0.0	4.3	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	-	-
120.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	-	-
121.0	35.0	-	-	-	-	-	-	0.0	1.7	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	-	0.0	-	-
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	-	0.0	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	1.9	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	-	2.6	0.0	0.0	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	0.9	0.0	0.0	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	-	2.6	-	0.0	-	-
140.0	30.0	0.0	0.0	2.7	0.0	-	-	0.0	-	-	-	-
143.0	26.0	-	-	0.0	-	-	-	1.9	-	-	-	-

## Clinidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
63.0	52.0	2.3	-	0.0	-	-	-	-	0.0	-	-	-
77.0	50.0	1.6	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
87.0	35.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	50.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	30.0	0.0	0.0	0.0	4.9	0.0	9.8	0.0	-	0.0	-	-
100.0	28.0	0.0	1.4	0.0	0.0	0.0	-	0.0	-	-	-	-
103.0	30.0	-	1.2	7.4	-	-	-	-	-	-	-	-
103.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	30.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	40.0	3.7	3.6	2.3	0.0	0.0	0.0	0.0	0.0	2.0	-	-
137.0	30.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
137.0	35.0	2.0	0.0	0.0	0.0	11.0	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

## Gobiidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	52.0	0.0	-	0.0	-	-	2.3	-	0.0	-	-	-
63.0	60.0	0.0	-	0.0	0.0	0.0	-	-	2.7	-	-	-
73.0	51.0	0.0	0.0	2.5	0.0	0.0	-	-	0.0	0.0	-	-
80.0	52.0	2.9	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
80.0	80.0	0.0	2.6	0.0	0.0	6.9	0.0	-	-	0.0	-	-
82.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	1.2	-	-
83.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	5.5	-	-
83.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	7.7	-	-
83.0	51.0	0.0	-	0.0	0.0	2.6	0.0	-	-	-	-	-
83.0	55.0	0.0	-	0.0	0.0	2.7	0.0	-	-	-	-	-
85.0	35.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-	-
87.0	40.0	0.0	0.0	2.6	2.9	0.0	2.7	2.3	0.0	0.0	-	-
87.0	55.0	0.0	0.0	0.0	0.0	0.0	3.3	-	0.0	0.0	-	-
87.0	60.0	0.0	0.0	0.0	3.1	0.0	0.0	-	0.0	0.0	-	-
90.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	-	-
93.0	28.0	-	1.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-
93.0	30.0	-	0.0	-	0.0	0.0	0.0	2.8	0.0	0.0	-	-
93.0	45.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-
93.0	50.0	0.0	0.0	-	3.4	2.8	0.0	0.0	0.0	0.0	-	-
93.0	55.0	0.0	0.0	-	0.0	3.0	0.0	0.0	0.0	0.0	-	-
97.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	-	-
100.0	29.0	-	0.0	1.9	0.0	0.0	0.0	0.0	-	14.7	-	-
100.0	30.0	-	0.0	0.0	-	0.0	-	1.3	-	-	-	-
100.0	35.0	-	0.0	0.0	-	0.0	-	1.7	-	0.0	-	-
103.0	30.0	0.0	0.0	0.0	2.5	0.0	0.0	7.7	2.0	0.0	-	-
103.0	40.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	-	-
118.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	-	-
118.5	37.5	-	-	-	-	-	-	0.0	-	-	-	-
119.0	30.0	-	-	-	-	-	-	2.5	-	-	-	-
120.0	30.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	2.7	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	-	-
123.0	37.0	0.0	0.0	1.7	0.0	0.0	0.0	-	0.0	0.0	-	-
130.0	45.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-
133.0	30.0	0.0	0.0	8.6	0.0	0.0	-	0.0	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.7	-	-
137.0	30.0	0.0	2.8	0.0	0.0	0.0	-	2.5	-	0.0	-	-
143.0	20.0	0.0	-	0.0	-	-	-	0.0	-	-	-	-
153.0	20.0	-	-	0.0	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

## Gobiidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
153.0	25.0	-	-	0.0	-	-	-	-	-	-	-	-
153.0	3.0	-	-	0.0	-	-	-	-	-	-	-	-
153.0	25.0	2.7	-	0.0	-	-	-	-	-	-	-	-
153.0	2.9	-	-	0.0	-	-	-	-	-	-	-	-
153.0	40.0	-	-	0.0	-	-	-	-	-	-	-	-
153.0	50.0	2.5	-	0.0	-	-	-	-	-	-	-	-
153.0	2.5	-	-	0.0	-	-	-	-	-	-	-	-
157.0	10.0	6.2	-	-	-	-	-	-	-	-	-	-
157.0	15.0	-	-	-	-	-	-	-	-	-	-	-
157.0	20.0	2.6	-	-	-	-	-	-	-	-	-	-

*Icosteus aenigmaticus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	80.0	0.0	-	2.7	-	-	-	-	-	-	-	-
50.0	55.0	0.0	-	2.0	-	-	0.0	-	-	-	-	-
50.0	70.0	3.0	-	0.0	-	-	-	-	-	-	-	-

## Labridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	50.0	-	-	0.0	-	-	0.0	-	-	-	-	-
50.0	55.0	-	-	0.0	-	-	0.0	-	-	-	-	-
50.0	60.0	2.3	-	0.0	-	-	-	-	-	-	-	-
77.0	53.0	0.0	-	-	-	-	-	-	-	-	-	-
80.0	52.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-	-
80.0	53.0	0.0	0.0	3.0	-	-	-	-	-	-	-	-
82.0	47.0	2.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-
90.0	37.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-
93.0	30.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-
97.0	30.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-
97.0	32.0	0.0	0.0	0.0	-	0.0	0.0	2.4	-	-	-	-
97.0	60.0	0.0	0.0	0.0	-	2.7	0.0	-	-	-	-	-
97.0	65.0	-	-	0.0	-	2.9	0.0	-	-	-	-	-
103.0	30.0	0.0	0.0	0.0	-	-	5.2	0.0	0.0	0.0	-	-
103.0	60.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-	-	-
107.0	32.0	0.0	0.0	0.0	-	0.0	2.9	0.0	0.0	0.0	-	-
107.0	40.0	0.0	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	-
107.0	55.0	0.0	0.0	0.0	-	3.1	0.0	0.0	0.0	0.0	-	-
110.0	33.0	0.0	0.0	0.0	-	0.0	-	3.0	0.0	0.0	-	-
110.0	35.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-
110.0	40.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-
110.0	50.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	-	-
110.0	90.0	0.0	0.0	0.0	-	0.0	-	3.2	0.0	0.0	-	-
113.0	35.0	0.0	0.0	0.0	-	2.7	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	-	-



TABLE 4. (cont.)

## Labridae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	55.0	0.0	0.0	0.0	0.0	0.0	34.7	-	-	-	-	-
113.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	3.0	-	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	-
117.0	50.0	0.0	0.0	0.0	3.2	0.0	0.0	-	-	-	-	-
118.0	39.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	-	-	-
118.5	27.5	-	-	-	-	-	-	22.4	16.9	-	-	-
118.5	30.0	-	-	-	-	-	-	32.0	32.0	-	-	-
119.0	32.5	-	-	-	-	-	-	21.3	-	-	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	1.9	-	2.6	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	-	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	5.3	2.1	0.0	-	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	-	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	10.2	-	11.9	-	-	-
121.0	32.5	-	-	-	-	-	-	3.7	-	-	-	-
121.0	35.0	-	-	-	-	-	-	1.7	-	-	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	-	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	0.0	-	-	-
123.0	45.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	0.0	-	-	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	2.7	-	0.0	-	-	-
123.0	55.0	0.0	0.0	0.0	0.0	0.0	9.0	-	-	-	-	-
123.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	-	1.4	0.0	-	-	-
130.0	55.0	0.0	0.0	0.0	0.0	0.0	-	5.2	0.0	-	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	0.9	0.0	-	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	39.9	0.0	-	-	-
133.0	35.0	0.0	0.0	0.0	0.0	0.0	-	4.9	-	-	-	-
133.0	55.0	0.0	0.0	0.0	0.0	0.0	-	2.7	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	-	0.0	2.7	-	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	-	5.2	0.0	-	-	-
137.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	5.3	-	-	-
147.0	60.0	2.6	-	-	-	-	-	-	-	-	-	-
150.0	19.0	-	-	-	-	-	-	-	-	-	-	-
150.0	35.0	2.6	-	-	-	-	-	-	-	-	-	-
150.0	70.0	0.0	-	-	-	-	-	-	-	-	-	-
157.0	15.0	8.3	-	-	-	-	-	-	-	-	-	-
157.0	40.0	4.5	-	-	-	-	-	-	-	-	-	-
157.0	45.0	2.4	-	-	-	-	-	-	-	-	-	-

## Pomacentridae

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	-	35.4	0.0	0.0	-	-

TABLE 4. (cont.)

## Pomacentridae (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	87.5	0.0	0.0	-	-

*Chromis punctipinnis*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	60.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-	0.0	-	-
90.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	-	0.0	-	-
90.0	32.0	0.0	0.0	0.0	-	0.0	0.0	5.2	-	11.7	-	-
90.0	53.0	-	-	-	-	-	0.0	2.7	-	0.0	-	-
93.0	28.0	0.0	0.0	-	0.0	0.0	2.3	0.0	-	0.0	-	-
93.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	-	0.0	-	-
97.0	32.0	0.0	0.0	0.0	0.0	0.0	4.9	81.9	-	0.0	-	-
97.0	50.0	0.0	0.0	0.0	0.0	2.4	0.0	7.3	-	0.0	-	-
100.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	3.0	-	-
100.0	30.0	0.0	0.0	0.0	-	0.0	-	5.3	-	-	-	-
100.0	35.0	0.0	0.0	0.0	0.0	0.0	-	10.4	-	0.0	-	-
103.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	-	0.0	-	-
107.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-
107.0	35.0	0.0	0.0	0.0	0.0	0.0	8.7	14.6	0.0	0.0	-	-
113.0	55.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-
115.0	35.0	0.0	0.0	0.0	0.0	0.0	6.3	-	-	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	-	-
118.5	27.5	-	-	-	-	-	-	0.0	7.9	0.0	-	-
118.5	30.0	-	-	-	-	-	-	10.0	10.0	-	-	-
119.0	25.0	-	-	-	-	-	-	19.3	19.3	-	-	-
119.0	30.0	-	-	-	-	-	-	38.3	38.3	-	-	-
119.0	32.5	-	-	-	-	-	-	2.5	2.5	-	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	-	18.6	18.6	-	-	-
120.0	27.5	0.0	0.0	0.0	0.0	0.0	-	24.3	24.3	0.0	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	-	-	-
120.0	40.0	0.0	0.0	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	0.0	2.1	2.1	0.0	-	-
120.0	60.0	0.0	0.0	0.0	0.0	0.0	-	2.9	2.9	0.0	-	-
120.0	27.5	-	-	-	-	-	-	0.0	0.0	3.0	-	-
121.0	27.5	-	-	-	-	-	-	-	5.2	-	-	-
121.0	35.0	0.0	0.0	0.0	0.0	0.0	-	1.7	1.7	5.1	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	2.6	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-

*Mugil spp.*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
127.0	60.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	0.0	-	-
137.0	35.0	0.0	12.2	0.0	0.0	0.0	-	-	-	-	-	-

TABLE 4. (cont.)

*Mugil* spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
153.0	25.0	3.0	-	0.0	-	-	-	-	-	-	-	-
<i>Apogonidae</i>												
60.0	140.0	-	-	-	-	-	0.0	-	5.4	-	-	-
60.0	160.0	-	-	-	-	-	8.2	-	0.0	-	-	-
60.0	180.0	-	-	-	-	-	6.3	-	0.0	-	-	-
60.0	200.0	-	-	-	-	-	2.9	-	0.0	-	-	-
<i>Brama</i> spp.												
60.0	140.0	-	-	-	-	-	0.0	-	2.7	-	-	-
80.0	100.0	-	-	-	-	-	2.2	-	0.0	-	-	-
80.0	120.0	-	-	-	-	-	3.2	-	-	-	-	-
100.0	80.0	0.0	0.0	-	0.0	-	-	0.0	-	5.7	-	-
115.0	35.0	-	-	-	-	-	-	0.0	2.8	0.0	-	-
120.0	50.0	0.0	3.7	0.0	0.0	-	-	0.0	-	0.0	-	-
<i>Carangidae</i>												
110.0	50.0	0.0	0.0	0.0	0.0	0.0	-	3.2	-	0.0	-	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	-	2.8	-	0.0	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	-	3.3	-	0.0	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	3.7	-	-	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	1.2	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	-	43.9	-	5.3	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.6	-	-
140.0	30.0	0.0	-	-	-	-	-	1.4	-	-	-	-
143.0	26.0	0.0	-	-	-	-	-	7.4	-	-	-	-
157.0	60.0	2.6	-	-	-	-	-	-	-	-	-	-
<i>Seriola</i> spp.												
157.0	15.0	2.8	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Seriola lalandi*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-
113.0	60.0	0.0	0.0	0.0	0.0	0.0	5.9	-	0.0	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	2.0	-	0.0	-	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	-	5.8	-	0.0	-	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	-	5.9	-	0.0	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	0.0	-	-
123.0	55.0	0.0	0.0	0.0	0.0	0.0	39.0	-	-	-	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	19.4	0.0	-	0.0	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	-	2.6	-	0.0	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	-	19.4	-	0.0	-	-
130.0	45.0	0.0	0.0	0.0	0.0	0.0	-	7.8	-	0.0	-	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	-	2.9	-	0.0	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	8.0	-	-	-	-
133.0	60.0	0.0	0.0	0.0	0.0	-	-	5.2	-	-	-	-
134.0	36.0	0.0	0.0	0.0	0.0	0.0	-	21.9	-	0.0	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	-	6.6	-	0.0	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	-	4.8	-	0.0	-	-
143.0	60.0	0.0	-	2.7	-	-	-	-	-	-	-	-

*Trachurus symmetricus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	60.0	-	-	-	-	-	3.5	-	0.0	-	-	-
70.0	120.0	-	-	-	-	-	1.2	-	-	-	-	-
73.0	90.0	-	-	7.0	-	-	-	-	-	-	-	-
77.0	60.0	0.0	0.0	-	31.6	-	-	-	0.0	-	-	-
77.0	65.0	-	-	0.0	5.7	-	-	-	-	-	-	-
77.0	70.0	0.0	0.0	0.0	7.1	-	-	-	-	-	-	-
80.0	60.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	-	-	-
80.0	65.0	0.0	0.0	0.0	11.6	0.0	0.0	0.0	0.0	-	-	-
80.0	80.0	0.0	5.3	2.6	2.5	0.0	0.0	0.0	0.0	-	-	-
80.0	85.0	0.0	1.8	-	0.0	-	-	-	-	-	-	-
80.0	90.0	0.0	21.9	40.0	0.0	0.0	0.0	0.0	0.0	-	-	-
80.0	100.0	-	-	-	-	4.3	-	-	0.0	-	-	-
83.0	40.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
83.0	60.0	0.0	0.0	0.0	6.2	4.8	5.5	0.0	0.0	-	-	-
83.0	65.0	-	-	0.0	0.0	5.5	0.0	-	-	-	-	-
83.0	70.0	0.0	0.0	0.0	13.8	4.8	-	-	-	-	-	-
83.0	75.0	0.0	0.0	5.3	0.0	0.0	0.0	-	-	-	-	-
83.0	80.0	0.0	12.8	0.0	0.0	0.0	0.0	-	-	-	-	-
83.0	85.0	-	-	3.9	-	2.7	-	-	-	-	-	-
83.0	90.0	0.0	-	24.8	-	-	-	-	-	-	-	-
87.0	60.0	0.0	0.0	0.0	0.0	2.8	0.0	-	0.0	-	-	-
87.0	65.0	-	-	0.0	0.0	2.8	0.0	-	-	-	-	-

TABLE 4. (cont.)

*Trachurus symmetricus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87-0	75.0	-	-	11.0	-	28.6	0.0	-	-	-	-	-
87-0	80.0	0.0	1023.3	30.8	-	-	-	-	-	-	-	-
87-0	85.0	0.0	-	91.4	-	-	-	-	-	-	-	-
87-0	90.0	0.0	-	29.1	-	-	-	-	-	-	-	-
90-0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90-0	65.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90-0	70.0	0.0	2.7	0.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90-0	75.0	0.0	0.0	0.0	9.6	64.3	0.0	0.0	0.0	0.0	0.0	0.0
90-0	80.0	0.0	121.3	0.0	25.0	0.0	-	-	-	-	-	-
90-0	85.0	0.0	128.9	21.5	5.6	0.0	27.6	0.0	0.0	0.0	0.0	0.0
90-0	90.0	0.0	-	20.0	3.6	5.7	-	-	-	-	-	-
90-0	95.0	0.0	-	54.0	30.2	0.0	-	-	-	-	-	-
90-0	100.0	0.0	0.0	7.8	-	0.0	8.2	0.0	0.0	0.0	0.0	0.0
90-0	200.0	0.0	-	-	-	-	3.3	-	0.0	-	-	-
93-0	30.0	0.0	0.0	-	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93-0	40.0	0.0	0.0	-	59.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93-0	45.0	0.0	0.0	-	9.1	14.2	0.0	0.0	0.0	0.0	0.0	0.0
93-0	50.0	0.0	0.0	-	10.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0
93-0	55.0	0.0	21.1	-	10.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0
93-0	65.0	0.0	3.0	-	0.0	11.8	0.0	-	-	-	-	-
93-0	75.0	-	2.8	-	11.6	0.0	-	-	-	-	-	-
93-0	80.0	0.0	9.0	-	29.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0
93-0	85.0	0.0	0.0	-	5.7	16.3	-	-	-	-	-	-
93-0	90.0	0.0	25.6	-	5.7	16.3	5.9	0.0	0.0	0.0	0.0	0.0
93-0	95.0	0.0	96.0	-	0.0	0.0	-	-	-	-	-	-
93-0	100.0	0.0	5.4	-	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97-0	30.0	0.0	0.0	-	18.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0
97-0	32.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97-0	35.0	0.0	0.0	34.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97-0	45.0	0.0	0.0	93.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97-0	60.0	0.0	-	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97-0	65.0	-	4.4	3.0	7.4	2.7	0.0	-	-	-	-	-
97-0	70.0	-	-	3.2	-	2.9	0.0	-	-	-	-	-
97-0	75.0	-	1.7	23.8	-	2.9	0.0	-	-	-	-	-
97-0	80.0	-	0.0	39.3	-	0.0	0.0	-	-	-	-	-
97-0	85.0	0.0	0.0	48.5	-	0.0	0.0	-	-	-	-	-
97-0	90.0	-	0.0	105.5	-	11.0	2.7	-	-	-	-	-
97-0	95.0	-	93.1	-	-	0.0	-	-	-	-	-	-
100-0	35.0	0.0	0.0	46.8	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100-0	40.0	0.0	0.0	6.6	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100-0	45.0	0.0	0.0	15.6	-	12.1	0.0	0.0	0.0	0.0	0.0	0.0
100-0	50.0	0.0	0.0	2.5	-	21.0	0.0	0.0	0.0	0.0	0.0	0.0
100-0	55.0	0.0	8.6	8.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100-0	60.0	0.0	2.5	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100-0	65.0	-	6.0	6.0	-	21.0	0.0	0.0	0.0	0.0	0.0	0.0
100-0	70.0	-	6.1	54.2	-	3.0	0.0	0.0	0.0	0.0	0.0	0.0
100-0	75.0	-	-	241.5	-	17.7	-	-	-	-	-	-

TABLE 4. (cont.)

*Trachurus symmetricus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	0.0	-	0.0	44.0	-	0.0	-	0.0	-	0.0	-	-
85.0	100.0	-	0.0	371.0	-	7.9	-	0.0	-	-	-	-
90.0	100.0	-	1.4	18.7	-	0.0	-	0.0	-	0.0	-	-
30.0	103.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	-	-
35.0	103.0	0.0	0.0	1.3	0.0	-	0.0	0.0	0.0	0.0	-	-
40.0	103.0	0.0	8.4	2.8	22.1	0.0	0.0	0.0	0.0	0.0	-	-
45.0	103.0	0.0	0.0	4.9	2.9	0.0	0.0	0.0	-	-	-	-
50.0	103.0	0.0	0.0	15.0	0.0	0.0	0.0	-	-	-	-	-
55.0	103.0	0.0	0.0	13.0	0.0	11.4	0.0	-	-	-	-	-
60.0	103.0	0.0	0.0	25.2	2.7	5.6	5.7	-	-	-	-	-
65.0	103.0	-	8.4	1.7	11.3	0.0	0.0	-	-	-	-	-
70.0	103.0	-	0.0	52.3	8.6	0.0	0.0	-	-	-	-	-
75.0	103.0	-	0.0	28.3	41.4	0.0	-	-	-	-	-	-
80.0	103.0	-	32.8	36.1	5.5	11.5	0.0	-	-	-	-	-
85.0	103.0	-	-	36.4	-	-	-	-	-	-	-	-
90.0	103.0	0.0	0.0	9.6	-	-	0.0	0.0	0.0	0.0	-	-
95.0	107.0	0.0	0.0	36.7	0.0	0.0	0.0	0.0	0.0	0.0	-	-
40.0	107.0	0.0	0.0	17.2	2.8	0.0	0.0	0.0	0.0	0.0	-	-
45.0	107.0	0.0	0.0	2.1	6.1	0.0	0.0	-	-	-	-	-
50.0	107.0	0.0	0.0	0.0	0.0	2.3	0.0	-	-	-	-	-
55.0	107.0	0.0	3.0	0.0	2.8	12.3	0.0	-	-	-	-	-
60.0	107.0	0.0	0.0	45.8	65.6	0.0	0.0	-	-	-	-	-
65.0	107.0	-	-	129.8	2.8	6.0	2.7	-	-	-	-	-
70.0	107.0	0.0	11.0	0.0	5.2	0.0	0.0	-	-	-	-	-
75.0	107.0	-	-	0.0	2.9	2.9	0.0	-	-	-	-	-
80.0	107.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-	-	-	-
90.0	107.0	0.0	-	2.8	-	-	-	-	-	-	-	-
33.0	110.0	0.0	0.0	1.5	0.0	0.0	-	0.0	0.0	0.0	-	-
35.0	110.0	0.0	3.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
40.0	110.0	0.0	0.0	0.0	0.0	15.3	-	0.0	0.0	0.0	-	-
45.0	110.0	0.0	0.0	0.0	0.0	12.0	-	0.0	0.0	0.0	-	-
50.0	110.0	0.0	0.0	2.0	0.0	11.7	-	0.0	0.0	0.0	-	-
55.0	110.0	0.0	2.8	2.5	0.0	21.4	-	0.0	0.0	0.0	-	-
60.0	110.0	0.0	16.4	7.8	0.0	2.6	-	0.0	0.0	0.0	-	-
65.0	110.0	-	-	5.3	2.7	2.8	-	0.0	0.0	0.0	-	-
70.0	110.0	0.0	2.7	34.3	0.0	0.0	-	0.0	0.0	0.0	-	-
75.0	110.0	-	0.0	18.5	0.0	0.0	-	-	-	-	-	-
80.0	110.0	-	0.0	0.0	0.0	3.0	-	0.0	0.0	0.0	-	-
85.0	110.0	-	-	5.7	-	-	-	0.0	0.0	0.0	-	-
90.0	110.0	0.0	0.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-
40.0	113.0	0.0	0.0	47.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-
45.0	113.0	0.0	0.0	15.7	0.0	0.0	0.0	-	-	-	-	-
50.0	113.0	0.0	0.0	0.0	8.8	0.0	0.0	-	-	-	-	-
55.0	113.0	0.0	0.0	9.0	0.0	0.0	0.0	-	-	-	-	-
60.0	113.0	0.0	0.0	2.8	2.6	2.8	0.0	-	-	-	-	-
65.0	113.0	-	-	0.0	0.0	11.5	0.0	-	-	-	-	-

TABLE 4. (cont.)

*Trachurus symmetricus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113.0	70.0	0.0	0.0	0.0	0.0	8.0	0.0	-	0.0	-	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-
117.0	40.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	45.0	0.0	0.0	9.3	0.0	5.4	0.0	-	-	-	-	-
117.0	70.0	0.0	1.7	0.0	0.0	0.0	0.0	-	-	-	-	-
117.0	85.0	-	-	2.1	-	-	-	-	-	-	-	-
118.0	39.0	0.0	0.0	23.7	0.0	2.6	0.0	0.0	0.0	0.0	-	-
120.0	25.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	45.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	50.0	-	0.0	11.9	0.0	0.0	-	-	-	-	-	-
120.0	55.0	-	0.0	5.6	0.0	0.0	-	-	-	-	-	-
120.0	65.0	-	0.0	2.5	0.0	0.0	-	-	-	-	-	-
123.0	55.0	-	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
123.0	60.0	-	0.0	0.0	0.0	7.7	0.0	-	-	-	-	-
127.0	40.0	-	0.0	0.0	0.0	0.0	2.8	0.0	-	0.0	-	-
127.0	45.0	-	0.0	0.0	0.0	0.0	2.8	-	-	-	-	-
130.0	55.0	-	0.0	0.0	0.0	0.0	-	-	-	-	-	-
130.0	50.0	-	0.0	4.8	0.0	0.0	-	-	-	0.0	-	-
137.0	30.0	0.0	2.1	0.0	0.0	0.0	-	-	-	0.0	-	-
137.0	35.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
150.0	40.0	0.0	-	2.7	-	-	-	-	-	2.6	-	-

*Coryphaena hippurus*

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	2.9	-	-	-	-	-
130.0	55.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.8	-	-
130.0	120.0	-	-	-	-	-	-	-	-	5.0	-	-
150.0	25.0	3.0	-	0.0	-	-	-	-	-	-	-	-
157.0	15.0	2.8	-	-	-	-	-	-	-	-	-	-
157.0	20.0	2.6	-	-	-	-	-	-	-	-	-	-
157.0	25.0	3.0	-	-	-	-	-	-	-	-	-	-

## Gerreidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	-	4.9	-	0.0	-	-
120.0	45.0	-	0.0	0.0	0.0	0.0	-	1.4	-	0.0	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	0.0	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	-	1.3	-	0.0	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	8.0	-	-
137.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	5.3	-	-
137.0	40.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.7	-	-

TABLE 4. (cont.)

## Haemulidae

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	2.0	-	0.0	-	-
107.0	50.0	0.0	0.0	0.0	0.0	0.0	14.5	-	-	-	-	-
110.0	33.0	0.0	0.0	0.0	0.0	0.0	-	12.5	0.0	0.0	-	-
116.0	35.0	0.0	0.0	0.0	0.0	0.0	-	15.8	0.0	0.0	-	-
120.0	30.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-	-
120.0	45.0	-	0.0	0.0	0.0	0.0	-	1.4	-	-	-	-
123.0	37.0	-	0.0	0.0	0.0	0.0	2.5	0.0	-	0.0	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	-	4.4	-	0.0	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	22.2	-	-	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	8.0	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	-	19.6	-	13.3	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	-	1.3	-	2.6	-	-
143.0	26.0	0.0	-	0.0	-	-	-	1.9	-	-	-	-

*Girella nigricans*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	40.0	0.0	0.0	0.0	0.0	2.7	0.0	2.3	-	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	-	-

*Medialuna californiensis*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	30.0	0.0	0.0	-	0.0	0.0	2.4	0.0	-	0.0	-	-
100.0	35.0	0.0	0.0	0.0	0.0	0.0	-	1.7	-	0.0	-	-
103.0	50.0	0.0	0.0	0.0	0.0	0.0	3.2	-	-	-	-	-
113.0	70.0	0.0	0.0	0.0	0.0	0.0	3.1	-	-	-	-	-

*Caulolatilus princeps*

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	-	1.3	0.0	0.0	-	-
113.0	50.0	0.0	0.0	0.0	0.0	0.0	3.1	-	-	-	-	-
123.0	67.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	30.0	-	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	-	1.4	-	0.0	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	2.3	-	-	-	-
133.0	45.0	0.0	2.9	0.0	-	-	-	0.0	-	-	-	-
133.0	50.0	0.0	3.1	0.0	-	-	-	0.0	-	-	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	-	2.6	-	0.0	-	-



TABLE 4. (cont.)

## Sciaenidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
57.0	2.5	-	-	0.0	-	-	0.0	-	0.0	-	-	-
60.0	5.4	-	-	2.6	-	-	-	-	0.0	-	-	-
71.0	0.0	0.0	-	2.7	-	-	-	-	-	0.0	-	-
77.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
82.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
82.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
83.0	4.0	0.0	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	0.0	-	0.0	-	-
87.0	35.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	40.0	17.8	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	45.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	28.0	2.5	4.9	0.0	2.9	0.0	0.0	0.0	-	0.0	-	-
93.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	-	2.5	-	-
97.0	35.0	2.9	0.0	37.2	0.0	0.0	0.0	2.7	-	0.0	-	-
100.0	23.1	0.0	1.2	0.0	-	-	-	11.2	-	0.0	-	-
100.0	30.0	-	1.5	2.2	-	-	-	0.0	-	0.0	-	-
100.0	30.0	-	0.0	0.0	-	-	-	0.0	-	0.0	-	-
103.0	30.0	21.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	35.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	32.0	0.0	2.9	2.9	0.0	0.0	0.0	8.7	0.0	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-	-
107.0	45.0	0.0	0.0	0.0	0.0	0.0	24.6	0.0	0.0	0.0	-	-
110.0	33.0	1.2	0.0	0.0	0.0	0.0	-	-	10.1	12.1	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	11.4	0.0	0.0	0.0	-	-
113.0	55.0	0.0	0.0	0.0	0.0	0.0	3.1	-	-	-	-	-
113.0	50.0	0.0	0.0	0.0	0.0	0.0	28.4	-	-	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.5	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	45.0	0.0	2.9	0.0	0.0	0.0	0.0	-	0.0	5.4	-	-
117.0	55.0	0.0	4.2	0.0	0.0	0.0	0.0	-	-	-	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	-	1.0	89.3	0.0	-	-
120.0	23.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	16.0	2.8	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	37.5	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	0.0	0.0	0.0	-	-
121.0	27.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	-	-
123.0	37.0	-	0.0	0.0	0.0	2.6	0.0	0.0	-	0.0	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-	0.0	-	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	5.4	-	-	0.0	-	-
123.0	55.0	0.0	0.0	0.0	0.0	0.0	12.0	-	-	0.0	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	-	2.2	-	0.0	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	-	1.4	-	0.0	-	-
130.0	25.0	0.0	0.0	0.0	0.0	0.0	12.2	-	-	-	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	8.1	-	-	-	-
133.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	2.9	-	19.6	-	53.0	-	-

TABLE 4. (cont.)

## Sciaenidae (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.6	-	-
137.0	40.0	0.0	0.0	0.0	0.0	-	-	0.0	-	5.4	-	-
140.0	30.0	-	-	0.0	-	-	-	2.9	-	-	-	-
143.0	26.0	-	-	0.0	-	-	-	5.6	-	-	-	-
150.0	35.0	-	-	0.0	-	-	-	-	-	-	-	-

## Serranidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.8	-	-
97.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	-	0.0	-	-
100.0	29.0	-	0.0	0.0	-	-	-	5.3	-	-	-	-
100.0	30.0	-	0.0	0.0	-	-	-	2.6	-	0.0	-	-
107.0	45.0	0.0	0.0	0.0	0.0	82.9	-	-	-	-	-	-
107.0	50.0	0.0	0.0	0.0	0.0	101.5	-	-	-	-	-	-
110.0	33.0	0.0	0.0	0.0	0.0	-	-	0.0	0.0	4.8	-	-
110.0	35.0	0.0	0.0	0.0	0.0	-	-	1.3	0.0	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	-	-
119.0	27.5	-	-	-	-	-	-	1.0	-	0.0	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	5.0	45.5	0.0	0.0	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	-	1.6	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	65.0	-	-	-	-	-	-	0.0	-	0.0	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	5.5	7.6	0.0	0.0	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	-	1.3	0.0	0.0	-	-
130.0	40.0	0.0	0.0	0.0	0.0	0.0	-	48.4	0.0	0.0	-	-
133.0	40.0	0.0	0.0	0.0	0.0	0.0	-	21.7	-	-	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	4.9	-	-	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	6.0	-	-	-	-
133.0	35.0	0.0	0.0	0.0	0.0	0.0	-	9.4	-	-	-	-
133.0	40.0	0.0	0.0	0.0	0.0	0.0	-	20.8	-	-	-	-
134.0	36.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	76.9	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	17.9	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	-	2.6	-	0.0	-	-
137.0	40.0	0.0	0.0	0.0	0.0	0.0	-	1.4	-	0.0	-	-
140.0	30.0	0.0	-	-	-	-	-	27.9	-	-	-	-
143.0	26.0	0.0	-	-	-	-	-	-	-	-	-	-
150.0	25.0	29.6	-	-	-	-	-	-	-	-	-	-
150.0	35.0	0.0	-	-	-	-	-	-	-	-	-	-
153.0	16.0	5.4	-	-	-	-	-	-	-	-	-	-
153.0	20.0	3.0	-	-	-	-	-	-	-	-	-	-
153.0	40.0	5.8	-	-	-	-	-	-	-	-	-	-
157.0	40.0	2.3	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

## Gempylidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	140.0	-	-	-	-	-	0.0	-	2.7	-	-	-
60.0	160.0	-	-	-	-	-	2.0	-	0.0	-	-	-
60.0	200.0	-	-	-	-	-	0.0	-	2.4	-	-	-
70.0	200.0	-	-	-	-	-	5.0	-	0.0	-	-	-
80.0	200.0	-	-	-	-	-	4.7	-	2.2	-	-	-
90.0	120.0	-	-	-	-	-	-	3.3	-	0.0	-	-
90.0	160.0	-	-	-	-	-	10.0	-	-	0.0	-	-
90.0	180.0	-	-	-	-	-	6.0	-	-	0.0	-	-
130.0	100.0	-	-	-	-	-	-	-	-	2.8	-	-

## Scombridae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	40.0	0.0	0.0	0.0	0.0	0.0	-	1.3	0.0	0.0	-	-
113.0	55.0	0.0	0.0	0.0	0.0	0.0	3.2	-	-	-	-	-
113.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
113.0	65.0	-	-	-	-	-	19.6	-	-	-	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	-	1.4	-	0.0	-	-
120.0	90.0	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	-	-
123.0	45.0	0.0	23.1	0.0	0.0	0.0	-	0.0	-	0.0	-	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	16.1	-	-	0.0	-	-
123.0	55.0	0.0	0.0	0.0	0.0	0.0	6.0	-	-	-	-	-
123.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
127.0	45.0	0.0	10.5	0.0	0.0	0.0	14.3	-	-	-	-	-
127.0	55.0	0.0	0.0	0.0	0.0	0.0	5.6	-	-	0.0	-	-
130.0	55.0	0.0	0.0	0.0	0.0	0.0	-	2.8	-	0.0	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	5.2	-	0.0	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	7.3	-	0.0	-	-
133.0	35.0	0.0	2.7	0.0	0.0	0.0	-	4.6	-	-	-	-
133.0	45.0	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	-	3.4	-	-	-	-
133.0	55.0	0.0	0.0	0.0	0.0	0.0	-	10.8	-	-	-	-
134.0	55.0	0.0	0.0	0.0	0.0	0.0	-	5.4	-	-	-	-
134.0	56.0	0.0	0.0	0.0	0.0	2.6	-	3.1	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	4.5	-	14.4	-	0.0	-	-
137.0	30.0	2.8	0.0	0.0	0.0	0.0	-	7.8	-	0.0	-	-
137.0	35.0	2.0	0.0	0.0	0.0	0.0	-	8.7	-	0.0	-	-
137.0	40.0	0.0	0.0	0.0	0.0	0.0	-	18.1	-	0.0	-	-
137.0	45.0	0.0	0.0	2.7	0.0	0.0	-	2.3	-	0.0	-	-
137.0	55.0	0.0	0.0	0.0	0.0	0.0	-	13.6	-	0.0	-	-
153.0	55.0	0.0	-	2.7	-	-	-	-	-	-	-	-
153.0	60.0	0.0	-	2.9	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Sarda chiliensis*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
133.0	35.0	0.0	3.2	0.0	0.0	0.0	-	0.0	-	-	-	-
137.0	35.0	2.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
90.0	28.0	0.0	0.0	0.0	55.3	0.0	0.0	0.0	-	0.0	-	-
90.0	45.0	0.0	0.0	0.0	9.3	-	0.0	0.0	-	0.0	-	-
93.0	35.0	0.0	0.0	-	0.0	0.0	5.8	0.0	-	0.0	-	-
93.0	40.0	0.0	0.0	-	104.0	0.0	0.0	0.0	-	0.0	-	-
93.0	50.0	0.0	0.0	-	3.4	0.0	0.0	0.0	-	0.0	-	-
103.0	40.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	-	-
103.0	50.0	0.0	0.0	0.0	11.2	0.0	0.0	-	-	-	-	-
103.0	55.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	-	-
118.0	39.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	2.7	0.0	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	-	4.9	0.0	0.0	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	2.5	402.5	0.0	2.4	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	8.0	19.2	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	8.6	1.8	0.0	0.0	0.0	-	-
120.0	40.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	-	4.5	0.0	0.0	-	-
120.0	50.0	0.0	0.0	0.0	0.0	0.0	-	12.4	0.0	0.0	-	-
127.0	45.0	-	-	-	-	2.7	0.0	-	-	0.0	-	-
130.0	30.0	2.5	0.0	0.0	0.0	0.0	-	2.2	0.0	0.0	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.5	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	47.8	-	-	-	-
133.0	30.0	0.0	10.3	0.0	0.0	0.0	-	12.5	-	-	-	-
133.0	35.0	0.0	0.0	0.0	0.0	0.0	-	2.5	-	-	-	-
134.0	36.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-	-
137.0	23.0	112.2	13.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	30.0	22.4	10.4	0.0	0.0	0.0	-	1.3	-	0.0	-	-
137.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	40.0	42.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
143.0	26.0	-	-	-	-	-	-	-	-	-	-	-
143.0	30.0	35.6	-	-	-	-	-	-	-	-	-	-
143.0	35.0	23.6	-	-	-	-	-	-	-	-	-	-
147.0	20.0	59.8	-	-	-	-	-	-	-	-	-	-
150.0	25.0	150.0	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

## Trichiuridae

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	3.1	0.0	0.0	0.0	-	-
110.0	70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	-	-
113.0	55.0	0.0	0.0	0.0	0.0	0.0	3.2	-	-	-	-	-
113.0	60.0	0.0	0.0	0.0	0.0	0.0	8.9	-	-	-	-	-
115.0	35.0	-	-	-	-	-	-	0.0	0.0	2.6	-	-
115.0	40.0	-	-	-	-	-	-	29.9	0.0	-	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	0.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-
118.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-	-
120.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	-	-
120.0	55.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	2.8	-	-
120.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	-	-
120.0	65.0	-	-	-	-	-	-	2.9	0.0	0.0	-	-
123.0	37.0	0.0	0.0	0.0	0.0	0.0	4.9	1.9	0.0	0.0	-	-
123.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	0.0	3.0	-	-
123.0	45.0	0.0	0.0	0.0	0.0	0.0	-	8.2	0.0	0.0	-	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	8.0	-	-	0.0	-	-
123.0	55.0	0.0	0.0	0.0	0.0	0.0	16.0	-	-	-	-	-
123.0	60.0	0.0	0.0	0.0	0.0	0.0	15.1	-	-	-	-	-
127.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
127.0	40.0	1.3	0.0	0.0	0.0	0.0	2.8	0.0	-	-	-	-
127.0	50.0	1.3	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	-	-
130.0	35.0	0.0	0.0	0.0	0.0	0.0	-	2.8	0.0	0.0	-	-
130.0	45.0	0.0	0.0	0.0	0.0	0.0	-	2.6	0.0	43.0	-	-
130.0	50.0	-	-	-	-	-	-	2.9	0.0	0.0	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	4.6	0.0	0.0	-	-
133.0	40.0	0.0	0.0	0.0	0.0	0.0	-	5.4	0.0	-	-	-
133.0	50.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-
137.0	25.0	0.0	0.0	0.0	0.0	0.0	-	10.4	0.0	2.7	-	-
137.0	30.0	2.8	4.2	0.0	0.0	0.0	-	0.0	0.0	15.4	-	-
137.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	5.3	-	-
140.0	30.0	0.0	-	-	-	-	-	1.4	-	-	-	-

*Sphyræna argentea*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	25.0	0.0	0.0	0.0	0.0	2.5	0.0	7.8	-	0.0	-	-
90.0	32.0	0.0	0.0	0.0	96.0	0.0	2.9	7.8	-	0.0	-	-
90.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	0.0	-	-
90.0	45.0	0.0	0.0	0.0	0.0	-	0.0	2.5	-	0.0	-	-
93.0	28.0	0.0	0.0	-	0.0	0.0	0.0	36.0	-	0.0	-	-

TABLE 4. (cont.)

<i>Sphyaena argentea</i> (cont.)												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93-0	30.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	-	0.0	-	-
97-0	30.0	0.0	0.0	0.0	2.5	0.0	9.8	3.9	-	0.0	-	-
97-0	32.0	0.0	0.0	0.0	0.0	12.1	0.0	0.0	-	0.0	-	-
100.0	30.0	0.0	0.0	0.0	0.0	0.0	-	27.1	-	0.0	-	-
100.0	35.0	0.0	0.0	0.0	-	0.0	-	3.4	-	0.0	-	-
100.0	40.0	0.0	0.0	0.0	-	0.0	-	1.6	-	0.0	-	-
103.0	45.0	0.0	0.0	0.0	14.5	0.0	0.0	-	-	-	-	-
103.0	50.0	0.0	0.0	0.0	16.8	0.0	0.0	0.0	-	0.0	-	-
107.0	35.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	-	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	9.3	0.0	-	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	22.1	0.0	-	-	-	-
113.0	55.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	-	-	-
113.0	65.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	-	0.0	-	-
118-0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
119-0	33.0	0.0	0.0	0.0	0.0	1.3	-	0.0	-	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	-	0.0	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	2.7	-	0.0	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	4.6	-	-	-	-

<i>Icichthys lockingtoni</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40-0	50.0	-	-	2.8	-	-	-	-	-	-	-	-
40-0	60.0	0.0	-	5.8	-	-	-	-	-	-	-	-
43-0	55.0	-	-	30.5	-	-	-	-	-	-	-	-
47-0	90.0	-	-	2.5	-	-	-	-	-	-	-	-
50-0	50.0	0.0	-	4.7	-	-	0.0	-	-	-	-	-
50-0	55.0	0.0	-	6.0	-	-	3.7	-	-	-	-	-
53-0	90.0	0.0	-	7.2	-	-	-	-	-	-	-	-
53-0	70.0	0.0	-	17.8	-	-	0.0	-	-	-	-	-
60-0	55.0	0.0	-	3.8	-	-	0.0	-	-	0.0	-	-
60-0	70.0	0.0	-	6.6	-	-	0.0	-	-	0.0	-	-
60-0	90.0	0.0	-	2.5	-	-	2.7	-	-	0.0	-	-
63-0	60.0	3.1	-	7.7	-	-	-	-	-	0.0	-	-
63-0	70.0	11.6	-	11.9	-	-	-	-	-	-	-	-
63-0	80.0	0.0	-	5.1	-	-	-	-	-	0.0	-	-
67-0	60.0	4.1	-	0.0	-	-	-	-	-	-	-	-
67-0	70.0	1.8	-	7.0	-	-	-	-	-	-	-	-
70-0	80.0	0.0	-	11.4	-	-	3.0	-	-	0.0	-	-
73-0	70.0	0.0	0.0	5.0	-	-	-	-	-	-	-	-
73-0	80.0	0.0	-	2.4	-	-	-	-	-	-	-	-
73-0	90.0	-	-	3.5	-	-	-	-	-	-	-	-
77-0	90.0	0.0	0.0	-	-	6.3	-	-	-	0.0	-	-
77-0	70.0	0.0	0.0	0.0	-	9.0	-	-	-	-	-	-
80-0	55.0	0.0	0.0	0.0	-	3.7	0.0	-	-	0.0	-	-
80-0	60.0	2.5	0.0	0.0	-	5.5	3.2	-	-	-	-	-

TABLE 4. (cont.)

*Icichthys lockingtoni* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	65.0	-	-	0.0	-	14.5	0.0	-	0.0	-	-	-
80.0	80.0	0.0	10.6	0.0	-	0.0	3.2	-	0.0	-	-	-
80.0	85.0	-	-	1.8	-	0.0	0.0	-	0.0	-	-	-
80.0	90.0	0.0	0.0	0.0	-	0.0	0.0	-	0.0	-	-	-
83.0	60.0	0.0	0.0	0.0	0.0	0.0	2.7	-	0.0	0.0	-	-
83.0	65.0	-	-	0.0	-	0.0	3.1	-	-	-	-	-
83.0	70.0	0.0	0.0	0.0	-	0.0	0.0	-	-	-	-	-
83.0	75.0	0.0	0.0	2.7	-	2.8	0.0	-	-	-	-	-
83.0	80.0	0.0	6.4	8.2	-	0.0	0.0	-	-	-	-	-
83.0	85.0	-	-	2.0	-	0.0	-	-	-	-	-	-
83.0	90.0	0.0	-	0.0	-	-	-	-	-	-	-	-
87.0	60.0	0.0	0.0	0.0	0.0	0.0	2.9	-	0.0	0.0	-	-
87.0	70.0	2.5	0.0	0.0	0.0	5.6	0.0	-	-	-	-	-
87.0	75.0	-	-	2.8	-	7.8	0.0	-	-	-	-	-
87.0	80.0	0.0	10.8	0.0	-	-	0.0	-	-	-	-	-
87.0	90.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-
90.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
90.0	60.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-	-
90.0	65.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
90.0	70.0	1.7	0.0	9.5	0.0	2.8	0.0	0.0	0.0	0.0	-	-
90.0	75.0	-	-	0.0	-	-	-	-	-	-	-	-
90.0	80.0	3.0	2.9	7.7	3.2	3.1	0.0	0.0	-	0.0	-	-
90.0	85.0	-	-	5.4	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	90.0	0.0	6.1	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	95.0	-	-	2.3	-	-	-	-	-	-	-	-
93.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
93.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
93.0	70.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-
93.0	75.0	-	-	-	11.6	0.0	0.0	0.0	-	-	-	-
93.0	80.0	0.0	2.3	1.8	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	85.0	-	-	-	0.0	0.0	0.0	-	-	-	-	-
93.0	90.0	-	-	3.3	0.0	0.0	-	-	-	-	-	-
97.0	55.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	-	-	-
97.0	60.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-	-	-	-
97.0	80.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	-	-	-
97.0	90.0	0.0	0.7	0.0	0.0	0.0	-	-	-	-	-	-
100.0	30.0	0.0	0.0	0.0	-	0.0	-	1.6	-	0.0	-	-
100.0	80.0	0.0	0.0	0.0	-	2.2	-	0.0	-	0.0	-	-

## Nomeidae

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	70.0	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	0.0	3.1	-	-	-	-	-
157.0	25.0	3.0	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Peprilus similimus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
110.0	30.0	0.0	0.0	0.0	0.0	-	2.6	0.0	0.0	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	-	1.3	0.0	0.0	-	-
113.0	55.0	0.0	0.0	0.0	0.0	0.0	3.2	-	-	-	-	-
120.0	40.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	60.0	0.0	5.7	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
123.0	45.0	0.0	5.8	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
127.0	40.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
130.0	30.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
132.0	30.0	0.0	0.0	2.9	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	0.0	-	-
137.0	30.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
137.0	35.0	8.2	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-

*Tetragonurus cuvieri*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	80.0	-	-	0.0	-	-	-	-	-	-	-	-
53.0	70.0	1.6	-	0.0	-	-	-	-	-	-	-	-
60.0	140.0	-	-	0.0	-	-	0.0	-	2.7	-	-	-
60.0	160.0	-	-	-	-	-	4.1	-	0.0	-	-	-
70.0	120.0	-	-	-	-	-	2.4	-	0.0	-	-	-
90.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-
90.0	80.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
90.0	120.0	0.0	0.0	-	-	-	0.0	3.3	-	0.0	-	-
93.0	55.0	0.0	0.0	-	-	-	0.0	0.0	-	2.7	-	-
93.0	70.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	-	5.9	-	-
97.0	70.0	0.0	2.7	-	-	-	0.0	-	-	-	-	-
100.0	35.0	0.0	0.0	2.8	0.0	0.0	-	0.0	-	0.0	-	-
100.0	55.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	3.1	-	-
100.0	80.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.9	-	-
100.0	100.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	6.4	-	-
103.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	70.0	4.2	0.0	4.4	0.0	0.0	0.0	-	-	-	-	-
103.0	85.0	-	-	5.2	-	-	-	-	-	-	-	-
107.0	70.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	-	-	-
110.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.8	-	-
110.0	70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	3.0	-	-
110.0	80.0	0.0	2.8	0.0	0.0	0.0	-	0.0	-	0.0	-	-
110.0	90.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
120.0	70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.8	-	-
127.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.4	-	-
130.0	120.0	-	-	0.0	0.0	0.0	0.0	-	-	2.5	-	-



TABLE 4. (cont.)

Chiasmodontidae												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	200.0	-	-	-	-	-	2.5	-	0.0	-	-	-
97.0	90.0	-	2.7	-	-	0.0	-	0.0	-	-	-	-
100.0	0.0	-	0.0	0.0	-	0.0	-	0.0	-	5.2	-	-
100.0	80.0	-	2.3	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0	85.0	-	-	2.7	-	0.0	-	-	-	-	-	-
103.0	85.0	-	-	2.6	-	-	-	-	-	-	-	-
110.0	55.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
110.0	60.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.8	-	-
110.0	65.0	0.0	-	0.0	0.0	0.0	-	0.0	-	5.7	-	-
110.0	75.0	-	2.6	0.0	0.0	0.0	-	-	-	-	-	-
110.0	80.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.5	-	-
110.0	90.0	0.0	0.0	0.0	-	-	-	3.0	-	5.3	-	-
113.0	35.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
113.0	60.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	-	-
115.0	35.0	-	-	-	-	-	-	3.2	0.0	-	-	-
123.0	45.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	0.0	-	-
123.0	55.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	-	0.0	-	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.6	-	-
130.0	60.0	0.0	3.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
130.0	70.0	-	-	-	-	-	-	0.0	-	2.6	-	-
130.0	80.0	-	0.0	0.0	0.0	0.0	-	0.0	-	8.3	-	-
133.0	35.0	0.0	0.0	0.0	-	-	-	4.9	-	-	-	-
133.0	60.0	0.0	0.0	0.0	-	-	-	2.6	-	-	-	-
137.0	45.0	0.0	0.0	0.0	-	-	-	2.3	-	0.0	-	-
137.0	50.0	0.0	0.0	0.0	-	-	-	9.9	-	0.0	-	-
137.0	60.0	0.0	0.0	0.0	-	-	-	4.8	-	0.0	-	-
143.0	60.0	0.0	-	10.8	-	-	-	-	-	-	-	-
147.0	45.0	0.0	-	2.8	-	-	-	-	-	-	-	-
147.0	50.0	2.8	-	0.0	-	-	-	-	-	-	-	-
147.0	60.0	2.6	-	0.0	-	-	-	-	-	-	-	-
150.0	50.0	2.7	-	0.0	-	-	-	-	-	-	-	-
153.0	80.0	5.6	-	-	-	-	-	-	-	-	-	-

Uranoscopidae												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
150.0	25.0	3.0	-	0.0	-	-	-	-	-	-	-	-
157.0	35.0	4.4	-	-	-	-	-	-	-	-	-	-

Pleuronectiformes												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	52.0	0.0	-	7.5	-	-	0.0	-	0.0	-	-	-

TABLE 4. (cont.)

## Pleuronectiformes (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	55.0	0.0	-	0.0	-	-	2.7	-	0.0	-	-	-
60.0	60.0	0.0	0.0	0.0	-	-	3.0	-	0.0	-	-	-
60.0	80.0	0.0	0.0	0.0	-	-	0.0	-	3.2	-	-	-
97.0	30.0	0.0	0.0	2.5	0.0	-	0.0	0.0	-	0.0	-	-
103.0	30.0	0.0	0.0	0.0	-	-	0.0	0.0	2.0	0.0	-	-
115.0	35.0	-	-	-	-	-	-	3.2	0.0	0.0	-	-
118.0	39.0	0.0	0.0	0.0	0.0	-	2.8	0.0	0.0	0.0	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	-	-
120.0	90.0	0.0	0.0	2.8	-	-	0.0	0.0	-	0.0	-	-
127.0	40.0	-	0.0	0.0	0.0	-	2.8	0.0	-	0.0	-	-
130.0	30.0	0.0	0.0	0.0	2.3	0.0	-	0.0	-	0.0	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	0.9	-	0.0	-	-
133.0	30.0	0.0	0.0	0.0	2.7	0.0	-	1.1	-	-	-	-

*Bothus* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
153.0	45.0	-	-	0.0	-	-	-	-	-	-	-	-
157.0	20.0	-	-	-	-	-	-	-	-	-	-	-

*Citharichthys* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	52.0	1.8	-	0.0	-	-	0.0	-	0.0	-	-	-
67.0	55.0	0.0	0.0	0.0	-	-	-	-	2.8	-	-	-
77.0	52.0	0.0	0.0	0.0	3.1	0.0	-	-	-	0.0	-	-
80.0	50.0	2.9	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-
83.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-
87.0	35.0	0.0	0.0	0.0	3.0	8.3	0.0	0.0	-	2.7	-	-
87.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	37.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	45.0	0.0	0.0	0.0	-	-	3.1	0.0	-	0.0	-	-
93.0	28.0	0.0	1.0	0.0	0.0	0.0	0.0	5.1	-	0.0	-	-
93.0	30.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	35.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	7.4	-	-
97.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	-	0.0	-	-
97.0	40.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	0.0	-	-
100.0	29.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	-	0.0	-	-
100.0	30.0	0.0	0.0	0.0	0.0	0.0	-	6.5	-	0.0	-	-
100.0	50.0	0.0	0.0	0.0	0.0	0.0	-	3.5	-	0.0	-	-
103.0	30.0	0.0	0.0	0.0	2.5	-	2.6	0.0	2.0	0.0	-	-
107.0	32.0	0.0	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107.0	35.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-

TABLE 4. (cont.)

*Citharichthys* spp. (cont.)

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	0.0	2.5	0.0	-	-
110.0	33.0	0.0	0.0	0.0	0.0	0.0	-	13.0	2.0	2.4	-	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	-	9.6	2.5	2.7	-	-
110.0	40.0	0.0	0.0	0.0	0.0	0.0	-	1.5	0.0	0.0	-	-
110.0	55.0	0.0	0.0	0.0	0.0	0.0	2.3	9.5	0.0	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	-	-
113.0	60.0	0.0	0.0	2.8	0.0	0.0	0.0	-	0.0	2.6	-	-
115.0	35.0	-	-	-	-	-	-	-	0.0	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	3.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-
117.0	35.0	14.6	10.4	1.8	0.0	0.0	0.0	0.0	0.0	6.0	-	-
117.0	40.0	0.0	6.1	0.0	0.0	0.0	2.8	0.0	7.9	0.0	-	-
117.0	45.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-	-	-	-
117.0	50.0	0.0	2.9	0.0	2.7	0.0	0.0	-	-	-	-	-
118.0	39.0	9.0	0.0	0.0	0.0	17.0	0.0	0.0	-	0.0	-	-
118.5	30.0	-	2.3	0.0	12.7	0.0	-	104.2	12.1	7.8	-	-
119.0	33.0	-	-	0.0	-	0.0	-	-	2.3	-	-	-
120.0	25.0	0.0	12.3	1.7	14.3	0.0	0.0	3.5	0.0	12.2	-	-
120.0	30.0	0.0	2.4	0.0	17.3	2.7	18.6	44.7	0.0	44.6	-	-
120.0	35.0	0.0	11.3	4.7	0.0	34	16.2	6.5	2.0	16.9	-	-
120.0	40.0	7.4	0.0	1.9	0.0	0.0	0.0	1.5	0.0	16.0	-	-
120.0	45.0	45.1	0.0	0.0	8.1	0.0	-	13.0	-	3.1	-	-
120.0	50.0	0.0	11.2	0.0	0.0	0.0	-	0.0	-	0.0	-	-
120.0	55.0	-	2.8	0.0	0.0	0.0	-	0.0	-	0.0	-	-
121.0	27.5	-	-	-	-	-	-	-	1.7	-	-	-
123.0	37.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
123.0	42.0	3.6	0.0	0.0	0.0	0.0	2.9	0.0	-	0.0	-	-
123.0	50.0	1.4	0.0	0.0	0.0	0.0	0.0	5.1	-	0.0	-	-
127.0	34.0	1.3	16.1	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	40.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	45.0	1.2	0.0	0.0	0.0	0.0	2.9	-	-	0.0	-	-
127.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
127.0	55.0	1.4	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
130.0	30.0	0.0	2.3	0.0	0.0	0.0	0.0	4.4	-	1.9	-	-
130.0	35.0	20.7	4.2	0.0	0.0	0.0	-	0.0	-	0.0	-	-
130.0	40.0	-	0.6	0.0	0.0	0.0	-	6.0	-	0.0	-	-
133.0	25.0	29.6	7.1	0.0	0.0	0.0	-	0.9	-	-	-	-
133.0	30.0	11.0	7.7	0.0	0.0	0.0	-	1.2	-	-	-	-
133.0	35.0	2.8	6.4	0.0	0.0	2.9	-	0.0	-	-	-	-
133.0	40.0	2.7	5.7	2.8	0.0	0.0	-	0.0	-	-	-	-
133.0	45.0	20.2	3.1	0.0	-	0.0	-	0.0	-	-	-	-
134.0	36.0	0.0	0.0	0.0	5.2	2.6	-	0.0	-	-	-	-
137.0	23.0	11.4	9.1	0.0	0.0	0.0	-	1.7	-	220.0	-	-
137.0	30.0	33.6	0.0	0.0	0.0	0.0	-	10.4	-	0.0	-	-
137.0	35.0	8.2	0.0	3.0	0.0	0.0	-	0.0	-	0.0	-	-

TABLE 4. (cont.)

*Citharichthys* spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
137.0	50.0	0.0	0.0	0.0	-	-	-	0.0	-	0.0	-	-
140.0	30.0	-	-	0.0	-	-	-	0.0	-	-	-	-
140.0	40.0	-	-	0.0	-	-	-	-	-	-	-	-
143.0	30.0	-	-	0.0	-	-	-	-	-	-	-	-
143.0	35.0	-	-	0.0	-	-	-	-	-	-	-	-
157.0	25.0	-	-	-	-	-	-	-	-	-	-	-
<i>Citharichthys fragilis</i>												
STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	28.0	-	1.0	-	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
100.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	2.7	-	-
110.0	33.0	2.3	0.0	0.0	0.0	0.0	1.4	1.4	0.0	0.0	-	-
110.0	35.0	0.0	0.0	0.0	2.8	0.0	3.9	2.5	0.0	0.0	-	-
113.0	30.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	9.3	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	-	-
113.0	55.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	-	-
113.0	65.0	-	-	2.6	0.0	0.0	0.0	-	-	-	-	-
115.0	27.0	-	-	-	-	-	-	-	2.3	-	-	-
115.0	30.0	-	-	-	-	-	-	-	5.6	-	-	-
117.0	26.0	0.0	14.1	0.0	2.7	0.0	14.8	6.1	30.0	20.7	-	-
117.0	30.0	0.0	0.0	0.0	2.8	0.0	26.3	0.0	21.4	2.7	-	-
117.0	35.0	0.0	15.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	11.6	0.0	5.5	0.0	0.0	0.0	-	-
117.0	45.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	70.0	0.0	0.0	2.2	0.0	0.0	0.0	-	-	-	-	-
117.0	75.0	0.0	0.0	1.8	0.0	0.0	0.0	-	-	-	-	-
118.0	39.0	0.0	0.0	0.0	5.6	2.6	14.2	0.0	13.3	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	69.7	-	-	-
118.5	27.5	-	-	-	-	-	-	-	4.8	-	-	-
118.5	30.0	-	-	-	-	-	-	-	84.2	-	-	-
119.0	25.0	-	-	-	-	-	-	-	33.1	-	-	-
119.0	30.0	-	-	-	-	-	-	-	9.8	-	-	-
119.0	32.5	-	-	-	-	-	-	-	26.6	-	-	-
119.0	33.0	0.0	146.6	0.0	38.1	15.1	-	0.0	-	0.0	-	-
120.0	25.0	0.0	24.5	34.0	0.0	25.3	5.0	189.0	14.1	0.0	-	-
120.0	27.5	-	-	-	-	-	-	-	4.7	-	-	-
120.0	30.0	0.0	27.0	3.7	0.0	318.9	92.8	29.8	0.0	13.9	-	-
120.0	35.0	0.0	14.0	2.9	2.4	920.2	163.8	56.7	0.0	8.5	-	-
120.0	40.0	0.0	0.0	9.7	6.5	8.5	30.7	7.5	0.0	0.0	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	-	10.9	-	0.0	-	-

TABLE 4. (cont.)

*Citharichthys fragilis* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	55.0	0.0	0.0	0.0	0.0	0.0	-	12.4	-	0.0	-	-
120.0	55.0	1.4	2.8	0.0	0.0	0.0	-	5.1	-	0.0	-	-
120.0	60.0	0.0	14.3	0.0	0.0	0.0	-	0.0	-	0.0	-	-
120.0	65.0	-	-	2.5	0.0	0.0	-	0.0	-	0.0	-	-
120.0	70.0	0.0	2.8	3.0	0.0	0.0	-	0.0	-	0.0	-	-
123.0	37.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
123.0	42.0	5.1	42.6	0.0	0.0	0.0	0.0	3.0	-	0.0	-	-
123.0	45.0	1.4	5.8	0.0	0.0	0.0	-	0.0	-	0.0	-	-
123.0	50.0	0.0	0.0	0.0	0.0	0.0	10.7	0.0	-	0.0	-	-
123.0	55.0	1.5	0.0	0.0	0.0	0.0	12.0	-	-	0.0	-	-
123.0	60.0	2.6	0.0	0.0	0.0	0.0	27.2	-	-	-	-	-
123.0	70.0	-	-	-	-	5.2	-	0.0	-	0.0	-	-
127.0	34.0	7.8	0.0	1.9	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	40.0	0.0	0.0	9.9	8.3	0.0	2.8	0.0	-	0.0	-	-
127.0	45.0	0.0	0.0	0.0	0.0	0.0	17.1	-	-	0.0	-	-
130.0	35.0	11.8	0.0	5.7	0.0	0.0	-	0.0	-	0.0	-	-
130.0	40.0	-	1.4	0.0	8.0	0.0	-	0.0	-	0.0	-	-
130.0	45.0	-	0.0	0.0	0.0	2.8	-	0.0	-	0.0	-	-
130.0	50.0	-	0.0	0.0	2.4	0.0	-	0.0	-	0.0	-	-
130.0	55.0	-	0.0	0.0	0.0	2.9	-	5.2	-	0.0	-	-
130.0	25.0	0.0	2.6	0.0	0.0	0.0	-	0.0	-	-	-	-
133.0	30.0	0.0	2.7	0.0	0.0	0.0	-	0.0	-	-	-	-
133.0	35.0	0.0	5.4	0.0	0.0	5.8	-	0.0	-	-	-	-
133.0	40.0	0.0	0.0	0.0	0.0	13.0	-	0.0	-	-	-	-
134.0	36.0	0.0	0.0	0.0	5.2	10.3	-	0.0	-	-	-	-
137.0	23.0	0.0	2.5	0.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	30.0	5.6	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	35.0	2.0	11.2	0.0	0.0	0.0	-	5.9	-	0.0	-	-
137.0	40.0	0.0	0.0	0.0	0.0	2.5	-	0.0	-	0.0	-	-
140.0	30.0	0.0	0.0	0.0	0.0	-	-	1.4	-	-	-	-
143.0	26.0	0.0	-	0.0	0.0	-	-	1.9	-	-	-	-

*Citharichthys sordidus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	55.0	1.4	-	0.0	-	-	-	-	-	-	-	-
40.0	60.0	1.8	-	0.0	-	-	-	-	-	-	-	-
47.0	55.0	-	-	3.0	-	-	-	-	-	-	-	-
60.0	55.0	2.8	-	0.0	-	-	0.0	-	0.0	-	-	-
60.0	70.0	0.0	-	0.0	-	-	0.0	-	2.4	-	-	-
60.0	90.0	2.5	-	0.0	-	-	0.0	-	0.0	-	-	-
60.0	100.0	2.2	-	-	-	-	0.0	-	0.0	-	-	-
63.0	55.0	0.0	-	0.0	-	-	-	-	7.9	-	-	-
63.0	70.0	0.0	-	6.0	-	-	-	-	-	-	-	-
77.0	60.0	1.6	0.0	0.0	-	0.0	-	-	-	0.0	-	-

TABLE 4. (cont.)

*Citharichthys sordidus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83-0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97-0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	-	0.0	-	-
97-0	35.0	0.0	0.0	11.7	0.0	0.0	0.0	0.0	-	0.0	-	-
100-0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.7	-	-
100-0	50.0	0.0	0.0	0.0	0.0	0.0	-	3.5	-	0.0	-	-
103-0	30.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	2.5	-	-
107-0	32.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107-0	35.0	0.0	3.1	0.0	0.0	0.0	2.9	0.0	0.0	0.0	-	-
117-0	35.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

*Citharichthys stigmatæus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60-0	57.0	-	-	-	-	-	-	-	-	-	-	-
60-0	80.0	-	-	0.0	-	-	0.0	-	3.2	-	-	-
60-0	90.0	-	-	0.0	-	-	0.0	-	3.6	-	-	-
63-0	60.0	3.1	-	0.0	-	-	-	-	2.7	-	-	-
67-0	55.0	2.3	-	10.4	-	-	-	-	0.0	-	-	-
70-0	53.0	-	-	-	-	-	0.0	-	2.2	-	-	-
70-0	55.0	-	-	-	-	-	0.0	-	2.6	-	-	-
70-0	60.0	-	-	-	-	-	0.0	-	2.5	-	-	-
73-0	80.0	-	-	0.0	-	0.0	-	-	-	2.7	-	-
77-0	50.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
77-0	51.0	0.0	0.0	0.0	0.0	0.0	-	-	-	1.9	-	-
77-0	55.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-
77-0	70.0	3.6	0.0	0.0	0.0	-	-	-	-	-	-	-
77-0	80.0	2.2	-	0.0	-	-	2.0	-	0.0	-	-	-
80-0	52.0	0.0	-	0.0	-	0.0	0.0	-	0.0	-	-	-
80-0	80.0	0.0	2.6	0.0	0.0	3.4	0.0	0.0	0.0	8.4	-	-
82-0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	6.0	-	-
83-0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	8.2	-	-
83-0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	5.4	-	-
83-0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
83-0	100.0	2.3	-	-	-	2.8	0.0	7.8	-	5.9	-	-
87-0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	-	0.0	-	-
87-0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	0.0	-	-
87-0	60.0	0.0	2.3	0.0	3.1	0.0	2.8	-	-	-	-	-
87-0	65.0	-	-	0.0	0.0	0.0	5.2	-	-	-	-	-
87-0	70.0	3.1	0.0	0.0	-	-	0.0	-	-	-	-	-
87-0	80.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	-	2.0	-	-
90-0	28.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	-	0.0	-	-
90-0	32.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	-	2.8	-	-
90-0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.2	-	-
90-0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.7	-	-
90-0	65.0	-	-	-	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Citharichthys stigmaeus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	0.0	-	-
90.0	0.0	-	1.0	0.0	0.0	0.0	4.5	0.0	-	0.0	-	-
93.0	30.0	0.0	1.2	0.0	0.0	2.8	0.0	0.0	-	0.0	-	-
93.0	35.0	0.0	0.0	0.0	0.0	0.0	5.8	2.5	-	0.0	-	-
93.0	45.0	0.0	0.0	0.0	0.0	5.7	0.0	-	-	0.0	-	-
93.0	52.0	0.0	1.6	-	0.0	0.0	11.6	-	-	0.0	-	-
93.0	72.0	-	0.0	0.0	0.0	2.7	-	-	-	-	-	-
97.0	30.0	0.0	0.0	0.0	0.0	0.0	2.5	29.3	-	2.5	-	-
97.0	32.0	0.0	0.0	4.1	0.0	0.0	2.9	0.0	-	12.0	-	-
97.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.1	-	-
97.0	40.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	-	0.0	-	-
97.0	45.0	0.0	0.0	0.0	0.0	13.7	0.0	-	-	0.0	-	-
97.0	50.0	0.0	0.0	0.0	0.0	22.9	5.7	-	-	0.0	-	-
97.0	55.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	-	-	-
97.0	60.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-	-	-	-
100.0	29.0	0.0	0.0	0.0	0.0	0.0	-	2.7	-	-	-	-
100.0	30.0	2.6	0.0	0.0	0.0	0.0	-	0.0	-	2.7	-	-
100.0	45.0	0.0	0.0	0.0	0.0	3.0	-	0.0	-	0.0	-	-
100.0	50.0	0.0	0.0	0.0	-	0.0	-	6.9	-	3.0	-	-
103.0	30.0	0.0	0.0	0.0	0.0	-	0.0	10.3	2.0	2.5	-	-
103.0	35.0	0.0	3.0	0.0	0.0	-	0.0	0.0	0.0	0.0	-	-
103.0	45.0	0.0	0.0	0.0	2.9	0.0	2.7	-	-	-	-	-
103.0	50.0	0.0	0.0	0.0	5.6	2.7	0.0	0.0	0.0	0.0	-	-
107.0	32.0	0.0	5.8	0.0	0.0	0.0	2.9	2.9	0.0	0.0	-	-
107.0	35.0	0.0	6.2	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-
107.0	45.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	-	-
110.0	33.0	0.0	0.0	0.0	2.7	0.0	-	2.8	0.0	0.0	-	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	-	2.6	0.0	2.7	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	-	-
113.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	11.6	-	-
117.0	50.0	0.0	0.0	0.0	2.8	0.0	3.2	0.0	0.0	0.0	-	-
117.0	55.0	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	5.5	0.0	0.0	2.0	0.0	0.0	0.0	-	-
119.0	25.0	0.0	-	-	-	-	-	0.0	2.5	0.0	-	-
120.0	65.0	-	-	-	-	-	-	0.0	-	-	-	-
123.0	50.0	-	0.0	0.0	2.9	0.0	0.0	2.9	-	0.0	-	-

*Citharichthys xanthostigma*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	60.0	0.0	1.6	0.0	0.0	0.0	0.0	-	-	-	-	-
100.0	50.0	-	0.0	0.0	-	0.0	0.0	6.9	-	0.0	-	-
103.0	30.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	2.5	-	-
103.0	40.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-

TABLE 4. (cont.)

*Citharichthys xanhostigma* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107.0	32.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
110.0	33.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	2.4	-	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	18.8	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	-	-
113.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	-	-
113.0	50.0	0.0	0.0	0.0	0.0	0.0	9.2	-	-	-	-	-
113.0	55.0	0.0	0.0	0.0	0.0	0.0	9.5	-	-	-	-	-
115.0	30.0	-	-	-	-	-	-	-	2.8	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	7.5	3.0	-	-
117.0	30.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	34.8	0.0	-	-
117.0	35.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	6.2	0.0	-	-
117.0	40.0	0.0	0.0	0.0	8.7	0.0	2.8	0.0	0.0	0.0	-	-
117.0	45.0	0.0	0.0	0.0	0.0	2.7	2.8	0.0	0.0	0.0	-	-
118.0	39.0	0.0	0.0	0.0	8.3	0.0	2.8	2.7	-	0.0	-	-
118.5	25.0	-	-	-	-	-	-	-	5.3	-	-	-
118.5	27.5	-	-	-	-	-	-	-	49.8	-	-	-
118.5	30.0	-	-	-	-	-	-	-	33.7	-	-	-
118.5	32.5	-	-	-	-	-	-	-	2.6	-	-	-
119.0	25.0	-	-	-	-	-	-	-	17.9	-	-	-
119.0	27.5	-	-	-	-	-	-	-	58.0	-	-	-
119.0	30.0	-	-	-	-	-	-	-	36.9	-	-	-
119.0	32.5	-	-	-	-	-	-	-	53.2	-	-	-
119.0	33.0	0.0	2.3	7.5	17.8	0.0	-	0.0	-	10.4	-	-
120.0	25.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	9.4	0.0	-	-
120.0	30.0	0.0	0.0	0.0	18.8	0.0	8.0	0.0	2.7	0.0	-	-
120.0	35.0	0.0	2.3	0.0	4.8	0.0	7.2	0.0	2.0	0.0	-	-
120.0	37.5	-	-	-	-	-	-	-	2.9	-	-	-
120.0	45.0	0.0	0.0	0.0	0.0	0.0	-	23.4	-	6.0	-	-
120.0	50.0	3.4	0.0	0.0	0.0	0.0	-	3.1	-	0.0	-	-
120.0	55.0	0.0	0.0	0.0	0.0	0.0	-	5.1	-	19.9	-	-
120.0	60.0	1.2	2.9	0.0	0.0	0.0	-	-	-	0.0	-	-
120.0	65.0	-	-	0.0	3.0	0.0	-	2.9	-	0.0	-	-
120.0	70.0	-	-	0.0	0.0	0.0	-	0.0	-	2.8	-	-
123.0	37.0	1.3	2.2	0.0	0.0	0.0	0.0	0.0	-	5.0	-	-
123.0	42.0	2.3	2.8	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
123.0	45.0	0.0	8.7	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
123.0	50.0	1.4	0.0	0.0	2.9	0.0	5.4	2.7	-	0.0	-	-
123.0	60.0	1.4	0.0	0.0	0.0	0.0	6.0	-	-	6.9	-	-
123.0	70.0	2.6	-	-	-	-	-	-	-	-	-	-
127.0	34.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	40.0	18.8	18.8	5.0	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	45.0	3.5	2.6	0.0	0.0	0.0	2.8	-	-	0.0	-	-
127.0	50.0	0.0	0.0	0.0	0.0	0.0	5.8	-	-	0.0	-	-
130.0	30.0	5.1	0.0	0.0	0.0	0.0	-	0.0	-	3.9	-	-
130.0	35.0	8.4	0.0	0.0	0.0	0.0	-	0.0	-	2.5	-	-
130.0	40.0	0.6	0.0	0.0	0.0	0.0	-	1.5	-	0.0	-	-



TABLE 4. (cont.)

*Citharichthys xanthostigma* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
130.0	45.0	0.0	0.0	2.8	0.0	0.0	-	7.8	-	0.0	-	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	-	8.6	-	0.0	-	-
130.0	60.0	0.0	3.0	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	-	-	-	-
133.0	30.0	8.3	0.0	0.0	0.0	0.0	-	13.7	-	-	-	-
133.0	35.0	2.8	0.0	0.0	0.0	2.9	-	2.5	-	-	-	-
133.0	40.0	5.4	0.0	0.0	0.0	0.0	-	3.0	-	-	-	-
133.0	45.0	2.9	0.0	0.0	0.0	0.0	-	0.0	-	-	-	-
133.0	50.0	2.7	0.0	0.0	0.0	0.0	-	0.0	-	-	-	-
133.0	55.0	0.0	0.0	0.0	0.0	0.0	-	2.7	-	-	-	-
134.0	26.0	0.0	0.0	0.0	0.0	0.0	-	3.1	-	-	-	-
137.0	23.0	9.2	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	-	12.8	-	-
137.0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	5.3	-	-
137.0	45.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-

*Etropus* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
119.0	32.5	-	-	-	-	-	-	-	50.5	-	-	-
119.0	35.0	-	-	-	-	-	-	-	6.9	-	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	0.0	-	-
120.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	2.7	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	-	-
120.0	37.5	-	-	-	-	-	-	-	8.7	-	-	-
121.0	30.0	-	-	-	-	-	-	-	3.9	-	-	-
121.0	32.5	-	-	-	-	-	-	-	1.8	-	-	-
121.0	35.0	-	-	-	-	-	-	-	6.8	-	-	-
133.0	25.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-	-
137.0	23.0	6.9	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
137.0	30.0	8.4	0.0	0.0	0.0	0.0	-	0.0	-	56.3	-	-

*Hippoglossina* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
143.0	26.0	-	-	0.0	-	-	-	1.9	-	-	-	-

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	-	2.8	-	-
83.0	51.0	0.0	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	-	1.4	0.0	0.0	-	-

TABLE 4. (cont.)

*Hippoglossina stomata* (cont.)

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	-	1.3	0.0	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-
119.0	30.0	-	-	-	-	-	-	-	4.9	-	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.6	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	-	-
120.0	30.0	0.0	2.5	0.0	0.0	2.7	2.7	6.4	0.0	2.8	-	-
120.0	35.0	0.0	0.0	0.0	4.8	0.0	0.0	6.5	0.0	0.0	-	-
120.0	40.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	-	-
123.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	-	0.0	-	-
127.0	34.0	0.0	0.0	1.9	0.0	0.0	2.4	1.7	0.0	0.0	-	-
127.0	40.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-
130.0	35.0	4.2	0.0	0.0	0.0	2.8	-	0.0	0.0	0.0	-	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
133.0	25.0	0.0	0.0	2.5	0.0	0.0	-	0.0	-	-	-	-
133.0	50.0	0.0	0.0	0.0	0.0	0.0	-	2.3	-	-	-	-
137.0	23.0	0.0	0.0	0.0	0.0	0.0	-	5.4	-	0.0	-	-
137.0	30.0	0.0	2.8	3.0	0.0	5.5	-	2.6	-	2.6	-	-
140.0	30.0	0.0	0.0	2.7	-	-	-	4.3	-	-	-	-
143.0	26.0	0.0	-	0.0	-	-	-	9.3	-	-	-	-

*Paralichthys* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
119.0	30.0	-	-	-	-	-	-	-	2.5	-	-	-

*Paralichthys californicus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	40.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.6	-	-
83.0	43.0	3.0	2.6	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	28.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
100.0	29.0	5.1	0.0	27.9	-	0.0	-	0.0	-	0.0	-	-
100.0	30.0	0.0	1.4	5.0	-	0.0	-	2.6	-	0.0	-	-
103.0	30.0	0.0	4.4	0.0	2.5	-	0.0	0.0	0.0	0.0	-	-
107.0	32.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	33.0	0.0	2.5	0.0	0.0	0.0	-	0.0	2.0	0.0	-	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	-	5.6	2.0	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	-	10.5	0.0	0.0	-	-
117.0	35.0	0.0	0.0	0.0	0.0	0.0	2.1	1.0	0.0	0.0	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-
120.0	35.0	0.0	6.3	0.0	0.0	0.0	0.0	1.8	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	40.0	0.0	5.4	4.7	0.0	0.0	0.0	0.0	0.0	2.0	-	-
120.0	40.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

TABLE 4. (cont.)

*Paralichthys californicus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
120.0	45.0	0.0	0.0	0.0	2.8	2.7	-	0.0	-	0.0	-	-
120.0	70.0	0.0	2.8	0.0	0.0	0.0	-	0.0	-	0.0	-	-
123.0	37.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	34.0	0.4	0.0	0.0	0.0	2.6	0.0	0.0	-	0.0	-	-
127.0	40.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
130.0	30.0	1.9	2.3	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	-	-
137.0	35.0	0.0	3.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-
143.0	30.0	-	-	0.0	-	-	-	-	-	-	-	-

*Syacium ovale*

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	12.4	0.0	0.0	0.0	-	-

*Xystreureys liolepis*

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	-	-
97.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
120.0	25.0	0.0	0.0	0.0	0.0	2.5	0.0	15.8	0.0	0.0	-	-
120.0	30.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	-	-
120.0	35.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	-	-
120.0	40.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
137.0	23.0	9.2	0.0	0.0	0.0	0.0	-	0.0	-	0.0	-	-

*Glyptocephalus zachirus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	55.0	-	-	4.0	-	-	0.0	-	-	-	-	-
53.0	60.0	-	-	8.0	-	-	-	-	-	-	-	-
57.0	70.0	0.0	-	17.4	-	-	-	-	-	-	-	-
63.0	55.0	0.0	-	2.6	-	-	-	0.0	-	-	-	-
63.0	57.0	1.8	-	-	-	-	-	-	-	-	-	-
70.0	52.0	-	-	2.1	-	-	-	-	-	-	-	-
117.0	40.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

*Hypopsetta guttulata*

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	-	0.0	2.0	0.0	-	-

TABLE 4. (cont.)

*Lyopsetta exilis*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
43.0	45.0	-	-	7.7	-	-	-	-	-	-	-	-
47.0	55.0	-	-	3.0	-	-	-	-	-	-	-	-
50.0	55.0	-	-	11.9	-	-	0.0	-	-	-	-	-
53.0	55.0	-	-	2.7	-	-	-	-	-	-	-	-
53.0	55.0	-	-	6.2	-	-	-	-	-	-	-	-
53.0	60.0	-	-	1.6	-	-	-	-	-	-	-	-
57.0	70.0	-	-	8.7	-	-	-	-	-	-	-	-
60.0	55.0	-	-	3.8	-	-	2.7	-	0.0	-	-	-
63.0	55.0	0.0	-	17.9	-	-	-	-	0.0	-	-	-
67.0	70.0	2.3	-	0.0	-	-	-	-	0.0	-	-	-
67.0	80.0	0.0	-	7.0	-	-	-	-	0.0	-	-	-
70.0	55.0	0.0	-	4.6	-	-	3.0	-	0.0	-	-	-
70.0	90.0	0.0	-	5.4	-	-	0.0	-	0.0	-	-	-
73.0	53.0	0.0	-	-	0.0	3.2	-	-	-	0.0	-	-
73.0	55.0	0.0	0.0	-	-	-	-	-	-	0.0	-	-
77.0	51.0	0.0	-	-	-	-	-	-	-	-	-	-
77.0	53.0	1.5	-	2.6	-	-	-	-	-	-	-	-
80.0	55.0	0.0	-	-	-	-	0.0	-	0.0	-	-	-
80.0	65.0	0.0	2.3	1.7	-	-	0.0	-	0.0	-	-	-
82.0	47.0	0.0	10.5	3.3	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	0.0	0.0	-	-
83.0	43.0	0.0	2.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-
83.0	51.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	-	-
87.0	35.0	0.0	2.7	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-
87.0	40.0	0.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
87.0	45.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-
87.0	50.0	0.0	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-
87.0	55.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	-	-
93.0	30.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
93.0	35.0	0.0	1.5	-	0.0	0.0	0.0	0.0	0.0	0.0	-	-
100.0	25.0	0.0	0.0	1.9	-	0.0	0.0	0.0	0.0	0.0	-	-
100.0	30.0	0.0	0.0	2.5	-	0.0	0.0	0.0	0.0	0.0	-	-
100.0	35.0	0.0	0.0	0.0	-	0.0	0.0	1.7	0.0	0.0	-	-
103.0	30.0	0.0	0.0	0.0	2.5	-	0.0	0.0	0.0	0.0	-	-
103.0	40.0	0.0	2.8	0.0	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	0.5	0.0	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	-	-

*Microstomus pacificus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	45.0	-	-	2.3	-	-	-	-	-	-	-	-
43.0	45.0	-	-	2.6	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

*Microstomus pacificus* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
43.0	55.0	-	-	2.2	-	-	-	-	-	-	-	-
47.0	55.0	-	-	3.0	-	-	-	-	-	-	-	-
47.0	60.0	-	-	2.2	-	-	-	-	-	-	-	-
50.0	55.0	0.0	-	43.8	0.0	-	0.0	-	-	-	-	-
50.0	80.0	0.0	-	2.5	-	-	-	-	-	-	-	-
53.0	60.0	0.0	-	4.8	-	-	-	-	-	-	-	-
53.0	60.0	0.0	-	2.2	-	-	0.0	-	0.0	-	-	-
60.0	60.0	2.5	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-	-
80.0	60.0	0.0	0.0	0.0	0.0	2.4	0.0	-	-	0.0	-	-
83.0	60.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-	0.0	-	-
87.0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-	0.0	-	-
90.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	90.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	0.0	-	-
93.0	70.0	0.0	0.0	-	0.0	2.8	0.0	0.0	-	0.0	-	-

*Parophrys vetulus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
50.0	47.0	-	-	0.0	-	-	-	-	-	-	-	-
53.0	60.0	-	-	0.0	-	-	-	-	-	-	-	-
57.0	51.0	-	-	0.0	-	-	-	-	-	-	-	-
60.0	52.0	-	-	2.5	-	-	0.0	-	9.5	-	-	-
60.0	52.0	0.0	6.5	0.0	0.0	0.0	0.0	-	0.0	-	-	-
82.0	47.0	0.0	7.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
83.0	43.0	0.0	28.2	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
83.0	51.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	0.0	-	-	-
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
87.0	45.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
90.0	28.0	0.0	1.6	0.0	2.9	0.0	0.0	0.0	0.0	-	-	-
90.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-
97.0	30.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	-	-	-
100.0	29.0	-	4.7	16.7	-	2.9	-	-	-	-	-	-
100.0	30.0	0.0	0.0	2.5	-	0.0	-	-	-	0.0	-	-
103.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	40.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	33.0	0.0	2.5	0.0	0.0	0.0	-	-	-	-	-	-
110.0	40.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117.0	40.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-
118.0	39.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	40.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-

TABLE 4. (cont.)

*Pleuromichthys* 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	2.9	-	0.0	-	-
83.0	51.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	-	0.0	-	-
87.0	55.0	0.0	0.0	0.0	0.0	0.0	6.5	-	-	0.0	-	-
103.0	40.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-
110.0	35.0	0.0	0.0	0.0	0.0	0.0	-	1.4	0.0	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	2.3	-	0.0	0.0	-	-
117.0	50.0	0.0	2.9	0.0	0.0	0.0	0.0	-	-	-	-	-
119.0	33.0	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	1.5	0.0	0.0	0.0	-	-
123.0	37.0	-	0.0	0.0	0.0	0.0	2.5	0.0	-	0.0	-	-

*Pleuromichthys coenosus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
82.0	47.0	0.0	2.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
82.0	28.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	55.0	0.0	0.0	2.8	0.0	0.0	-	-	-	-	-	-
103.0	30.0	2.6	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	-
118.0	39.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-

*Pleuromichthys decurrens*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
70.0	51.0	2.7	-	-	-	-	-	-	-	-	-	-
83.0	60.0	0.0	2.6	0.0	0.0	0.0	0.0	-	-	0.0	-	-
97.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.5	-	-

*Pleuromichthys 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	2.5	0.0	0.0	0.0	-	-
120.0	40.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-

*Pleuromichthys verticalis*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
83.0	43.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	28.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	-	0.0	-	-
93.0	28.0	-	2.7	-	0.0	2.6	0.0	0.0	-	0.0	-	-
97.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	-	2.5	-	-
97.0	32.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
97.0	40.0	0.0	2.1	-	0.0	0.0	0.0	0.0	-	0.0	-	-

TABLE 4. (cont.)

*Pleuronichthys verticalis* (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
100.0	29.0	0.0	1.2	9.3	-	0.0	-	0.0	0.0	0.0	-	-
103.0	30.0	0.0	0.0	1.5	0.0	-	0.0	0.0	0.0	0.0	-	-
107.0	32.0	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	33.0	1.2	0.0	0.0	0.0	0.0	-	1.4	14.1	0.0	-	-
110.0	35.0	0.0	3.0	0.0	0.0	0.0	-	1.3	0.0	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.9	0.0	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	-	-
117.0	30.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	2.7	2.7	-	-
117.0	35.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	-	-
118.5	27.5	-	0.0	-	-	-	-	1.0	5.0	0.0	-	-
119.0	33.0	0.0	0.0	0.0	0.0	0.0	-	-	4.6	0.0	-	-
119.0	35.0	-	-	-	-	-	-	0.0	4.7	0.0	-	-
120.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
120.0	30.0	0.0	0.0	2.5	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	1.5	0.0	0.0	-	-
120.0	90.0	0.0	0.0	2.8	-	-	-	0.0	-	0.0	-	-
127.0	34.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	-	0.0	-	-
140.0	30.0	2.7	0.0	0.0	-	-	-	0.0	-	0.0	-	-
143.0	30.0	2.7	-	0.0	-	-	-	0.0	-	-	-	-

*Psettichthys melanostictus*

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
60.0	52.0	0.0	-	0.0	-	-	2.3	-	0.0	-	-	-
87.0	50.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	-	-

*Symphurus* spp.

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
80.0	52.0	0.0	0.0	0.0	-	0.0	0.0	-	2.4	-	-	-
93.0	30.0	0.0	0.0	-	0.0	0.0	0.0	2.8	0.0	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.6	-	-
113.0	55.0	0.0	0.0	0.0	0.0	0.0	9.5	-	-	-	-	-
117.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0	-	-
117.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	-	-
117.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	-	-
118.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
118.5	25.0	0.0	0.0	-	-	-	2.8	-	8.0	-	-	-
118.5	27.5	-	-	-	-	-	-	-	29.9	-	-	-
118.5	30.0	-	-	-	-	-	-	-	9.6	-	-	-
118.5	32.5	-	-	-	-	-	-	-	2.6	-	-	-
118.5	35.0	-	-	-	-	-	-	-	2.7	-	-	-
119.0	25.0	-	-	-	-	-	-	-	22.9	-	-	-
119.0	27.5	-	-	-	-	-	-	-	5.5	-	-	-

TABLE 4. (cont.)

*Symphurus* spp. (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
119-0	30.0	-	-	-	-	-	-	-	4.9	-	-	-
119-0	32.5	0.0	0.0	0.0	0.0	0.0	-	23.5	13.3	5.2	-	-
119-0	33.0	0.0	-	-	-	-	-	-	4.6	0.0	-	-
119-0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	94.5	0.0	0.0	-	-
120-0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	-	2.4	-	-	-
120-0	27.5	0.0	0.0	0.0	0.0	0.0	0.0	21.3	0.0	0.0	-	-
120-0	30.0	0.0	0.0	0.0	0.0	0.0	1.8	-	2.0	0.0	-	-
120-0	35.0	0.0	0.0	0.0	0.0	0.0	-	-	5.8	-	-	-
120-0	37.5	0.0	0.0	0.0	0.0	0.0	-	10.1	-	3.0	-	-
120-0	45.0	0.0	0.0	0.0	0.0	0.0	-	6.2	-	0.0	-	-
120-0	50.0	0.0	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	-	0.0	-	20.9	-	-
120-0	70.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.8	-	-
121-0	35.0	-	-	-	-	-	-	-	3.4	-	-	-
123-0	37.0	-	-	-	-	-	0.0	0.0	-	7.5	-	-
123-0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	-	3.0	-	-
123-0	50.0	0.0	0.0	0.0	0.0	0.0	8.0	-	-	0.0	-	-
123-0	55.0	0.0	0.0	0.0	0.0	0.0	6.0	-	-	-	-	-
123-0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
123-0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.1	-	-
127-0	45.0	0.0	0.0	0.0	0.0	0.0	5.7	-	-	0.0	-	-
127-0	60.0	0.0	0.0	0.0	0.0	0.0	6.1	-	-	0.0	-	-
130-0	50.0	0.0	0.0	0.0	0.0	0.0	-	9.8	-	0.0	-	-
130-0	35.0	0.0	0.0	0.0	0.0	0.0	-	1.4	-	2.5	-	-
130-0	40.0	0.0	0.0	0.0	0.0	0.0	-	5.5	-	0.0	-	-
130-0	55.0	0.0	0.0	0.0	0.0	0.0	-	10.4	-	0.0	-	-
130-0	70.0	-	-	-	-	-	-	-	-	5.1	-	-
133-0	25.0	0.0	0.0	0.0	0.0	0.0	-	6.5	-	-	-	-
133-0	30.0	0.0	0.0	0.0	0.0	0.0	-	6.8	-	-	-	-
133-0	35.0	0.0	0.0	0.0	0.0	0.0	-	4.9	-	-	-	-
134-0	36.0	0.0	0.0	0.0	0.0	0.0	-	3.1	-	-	-	-
137-0	23.0	0.0	0.0	0.0	0.0	0.0	-	5.1	-	8.0	-	-
137-0	30.0	0.0	0.0	0.0	0.0	0.0	-	15.7	-	10.2	-	-
137-0	35.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.6	-	-
137-0	45.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	2.7	-	-
157-0	45.0	2.4	-	-	-	-	-	2.3	-	-	-	-

## Disintegrated fish larva

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40-0	45.0	-	-	2.3	-	-	-	-	-	-	-	-
40-0	50.0	-	-	11.1	-	-	-	-	-	-	-	-
40-0	60.0	0.0	-	17.5	-	-	-	-	-	-	-	-
40-0	70.0	0.0	-	2.6	-	-	-	-	-	-	-	-
40-0	80.0	0.0	-	5.5	-	-	-	-	-	-	-	-



TABLE 4. (cont.)

## Disintegrated fish larva (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
43.0	45.0	-	-	7.7	-	-	-	-	-	-	-	-
43.0	55.0	-	-	2.2	-	-	-	-	-	-	-	-
43.0	90.0	-	-	7.0	-	-	-	-	-	-	-	-
47.0	60.0	-	-	2.2	-	-	-	-	-	-	-	-
47.0	90.0	-	-	2.5	-	-	-	-	-	-	-	-
47.0	100.0	-	-	-	-	-	-	-	-	-	-	-
50.0	55.0	2.5	-	-	-	-	0.0	-	-	-	-	-
50.0	60.0	4.6	-	-	-	-	-	-	-	-	-	-
50.0	80.0	2.6	-	-	-	-	-	-	-	-	-	-
50.0	90.0	1.1	-	-	-	-	-	-	-	-	-	-
50.0	100.0	2.2	-	-	-	-	-	-	-	-	-	-
53.0	55.0	0.0	-	3.1	-	-	-	-	-	-	-	-
53.0	57.0	4.3	-	-	-	-	-	-	-	-	-	-
53.0	60.0	0.0	-	11.2	-	-	-	-	-	-	-	-
53.0	80.0	3.3	-	-	-	-	-	-	-	-	-	-
57.0	51.0	14.8	-	1.3	-	-	-	-	-	-	-	-
57.0	55.0	1.8	-	2.3	-	-	-	-	-	-	-	-
57.0	60.0	1.4	-	3.3	-	-	-	-	-	-	-	-
57.0	70.0	9.0	-	0.0	-	-	-	-	-	-	-	-
60.0	52.0	12.6	-	0.0	-	-	0.0	-	6.4	-	-	-
60.0	55.0	2.8	-	7.7	-	-	0.0	-	0.0	-	-	-
60.0	60.0	2.2	-	0.0	-	-	0.0	-	0.0	-	-	-
60.0	70.0	4.3	-	0.0	-	-	0.0	-	2.4	-	-	-
60.0	80.0	1.8	-	10.0	-	-	0.0	-	0.0	-	-	-
60.0	90.0	5.1	-	0.0	-	-	0.0	-	0.0	-	-	-
60.0	100.0	2.2	-	-	-	-	0.0	-	0.0	-	-	-
60.0	140.0	-	-	-	-	-	1.8	-	2.7	-	-	-
60.0	200.0	-	-	-	-	-	2.9	-	0.0	-	-	-
63.0	52.0	2.3	-	2.3	-	-	-	-	0.0	-	-	-
63.0	55.0	2.7	-	0.0	-	-	-	-	0.0	-	-	-
63.0	57.0	3.6	-	-	-	-	-	-	0.0	-	-	-
63.0	60.0	9.3	-	5.1	-	-	-	-	-	-	-	-
63.0	70.0	0.0	-	6.0	-	-	-	-	-	-	-	-
63.0	80.0	1.6	-	5.1	-	-	-	-	-	-	-	-
63.0	90.0	-	-	2.5	-	-	-	-	-	-	-	-
67.0	50.0	2.0	-	4.8	-	-	-	-	2.5	-	-	-
67.0	55.0	2.3	-	10.4	-	-	-	-	2.8	-	-	-
67.0	60.0	0.0	-	21.8	-	-	-	-	0.0	-	-	-
67.0	70.0	0.0	-	21.1	-	-	-	-	0.0	-	-	-
67.0	90.0	-	-	8.5	-	-	-	-	-	-	-	-
70.0	52.0	-	-	8.4	-	-	-	-	-	-	-	-
70.0	53.0	-	-	-	-	-	0.0	-	0.0	-	-	-
70.0	55.0	5.2	-	27.7	-	-	0.0	-	0.0	-	-	-
70.0	80.0	0.0	-	45.8	-	-	0.0	-	0.0	-	-	-
70.0	90.0	0.0	-	10.7	-	-	0.0	-	0.0	-	-	-
70.0	120.0	-	-	-	-	-	1.2	-	-	-	-	-

TABLE 4. (cont.)

## Disintegrated fish larva (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
73.0	51.0	2.6	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
77.0	55.0	25.1	0.0	0.0	0.0	0.0	-	-	-	0.0	-	-
77.0	57.0	0.0	-	-	-	-	-	-	-	-	-	-
77.0	70.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	-	-	-
80.0	52.0	2.9	0.0	0.0	-	-	0.0	-	0.0	-	-	-
80.0	55.0	0.0	0.0	0.0	-	-	0.0	-	0.0	-	-	-
80.0	60.0	2.4	0.0	0.0	-	-	0.0	-	0.0	-	-	-
80.0	70.0	0.0	-	6.1	-	-	0.0	-	0.0	-	-	-
80.0	80.0	0.0	2.6	0.0	-	-	0.0	-	0.0	-	-	-
80.0	120.0	-	-	-	-	-	3.2	-	-	-	-	-
82.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
83.0	40.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	-	0.0	-	-
83.0	43.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
83.0	60.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
83.0	65.0	-	-	0.0	0.0	2.7	0.0	-	-	-	-	-
83.0	70.0	0.0	2.8	0.0	-	-	0.0	-	-	-	-	-
83.0	75.0	-	10.6	3.0	0.0	0.0	-	-	-	-	-	-
87.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	45.0	0.0	5.0	0.0	2.6	0.0	0.0	0.0	-	0.0	-	-
87.0	50.0	0.6	11.3	11.6	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	60.0	0.0	9.6	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	65.0	-	13.8	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	70.0	0.0	20.7	3.5	0.0	0.0	0.0	0.0	-	-	-	-
87.0	75.0	-	-	2.8	-	-	-	-	-	-	-	-
87.0	80.0	0.0	2.7	6.2	-	-	0.0	0.0	-	-	-	-
90.0	28.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	32.0	0.0	2.2	0.0	-	-	0.0	5.2	-	0.0	-	-
90.0	37.0	0.0	39.8	24.9	0.0	0.0	0.0	0.0	-	2.8	-	-
90.0	45.0	0.0	24.1	5.6	0.0	-	0.0	0.0	-	0.0	-	-
90.0	50.0	0.0	0.0	10.4	2.5	0.0	-	0.0	-	-	-	-
90.0	55.0	0.0	3.7	10.0	0.0	0.0	-	-	-	-	-	-
90.0	60.0	0.0	24.6	10.3	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	65.0	-	-	2.6	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	70.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	80.0	3.0	0.0	1.3	3.2	0.0	0.0	0.0	-	0.0	-	-
90.0	85.0	-	-	2.7	3.1	0.0	0.0	0.0	-	0.0	-	-
90.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	-	0.0	-	-
90.0	95.0	-	-	0.0	3.6	0.0	-	-	-	-	-	-
90.0	100.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-	0.0	-	-
90.0	140.0	-	-	-	-	-	0.0	0.0	-	0.0	-	-
90.0	160.0	-	-	-	-	-	0.0	0.0	-	5.7	-	-
93.0	28.0	0.0	4.0	-	0.0	0.0	0.0	7.7	-	0.0	-	-
93.0	30.0	0.0	8.1	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	35.0	0.0	8.6	-	0.0	0.0	0.0	0.0	-	0.0	-	-

TABLE 4. (cont.)

STATION	Disintegrated fish larva (cont.)											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
93-0	40.0	0.0	4.3	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93-0	45.0	2.3	4.9	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93-0	50.0	5.5	3.3	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93-0	55.0	0.0	0.0	-	0.0	5.9	0.0	0.0	-	0.0	-	-
93-0	60.0	0.0	1.5	-	0.0	0.0	3.0	0.0	-	0.0	-	-
93-0	70.0	0.0	1.3	-	12.3	0.0	0.0	0.0	-	0.0	-	-
93-0	80.0	0.0	13.8	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93-0	85.0	-	3.0	-	5.7	2.7	-	-	-	-	-	-
93-0	90.0	0.0	6.3	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93-0	100.0	0.0	2.9	-	0.0	0.0	2.9	99.9	-	2.9	-	-
97-0	30.0	0.0	0.0	0.0	4.9	0.0	9.8	0.0	-	0.0	-	-
97-0	32.0	0.0	2.4	0.0	3.1	0.0	0.0	0.0	-	0.0	-	-
97-0	35.0	0.0	7.0	2.9	0.0	0.0	0.0	0.0	-	0.0	-	-
97-0	40.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-	0.0	-	-
97-0	45.0	0.0	-	5.6	0.0	0.0	0.0	0.0	-	0.0	-	-
97-0	50.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-	0.0	-	-
97-0	55.0	0.0	3.0	0.0	3.0	0.0	0.0	0.0	-	0.0	-	-
97-0	60.0	0.0	1.6	0.0	7.4	0.0	0.0	0.0	-	-	-	-
97-0	65.0	-	0.0	0.0	-	0.0	3.0	0.0	-	-	-	-
97-0	70.0	0.0	0.0	5.9	-	0.0	0.0	0.0	-	-	-	-
97-0	75.0	-	2.4	3.0	-	3.0	0.0	0.0	-	-	-	-
97-0	80.0	0.0	0.0	8.8	-	0.0	0.0	0.0	-	-	-	-
97-0	85.0	0.0	0.0	-	-	2.9	-	-	-	-	-	-
97-0	90.0	0.0	0.0	0.0	-	2.9	-	-	-	-	-	-
100-0	29.0	0.0	0.0	0.0	-	0.0	-	-	-	-	-	-
100-0	30.0	0.0	1.4	2.5	-	0.0	-	-	-	5.4	-	-
100-0	35.0	0.0	3.6	0.0	-	0.0	-	-	-	0.0	-	-
100-0	60.0	0.0	1.2	2.2	-	0.0	-	-	-	24.4	-	-
100-0	65.0	-	-	3.0	-	0.0	-	-	-	11.7	-	-
100-0	70.0	0.0	2.8	0.0	-	0.0	-	-	-	2.6	-	-
100-0	75.0	-	0.0	3.2	-	0.0	-	-	-	0.0	-	-
100-0	80.0	2.8	0.0	8.8	-	0.0	-	-	-	0.0	-	-
100-0	85.0	-	2.7	0.0	-	2.6	-	-	-	3.3	-	-
100-0	90.0	6.1	2.8	0.0	-	2.7	-	-	-	12.7	-	-
100-0	100.0	-	-	-	-	2.7	-	-	-	5.1	-	-
103-0	30.0	0.0	10.4	1.5	2.5	-	2.6	-	-	0.0	-	-
103-0	35.0	0.0	3.0	1.3	0.0	-	0.0	-	-	0.0	-	-
103-0	45.0	0.0	0.0	12.2	5.8	0.0	0.0	-	-	3.9	-	-
103-0	55.0	0.0	0.0	0.0	0.0	11.4	0.0	-	-	0.0	-	-
103-0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
103-0	65.0	2.6	-	0.0	0.0	13.8	2.8	-	-	-	-	-
103-0	70.0	-	5.6	6.5	0.0	0.0	2.8	-	-	-	-	-
103-0	75.0	-	0.0	0.0	8.3	3.0	0.0	-	-	-	-	-
103-0	80.0	0.0	2.7	12.0	0.0	0.0	0.0	-	-	-	-	-
103-0	90.0	2.8	2.4	2.4	-	0.0	0.0	-	-	-	-	-

TABLE 4. (cont.)

## Disintegrated fish larva (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
107-0	32.0	8.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107-0	35.0	0.0	9.3	0.0	0.0	0.0	0.0	2.8	0.0	0.0	-	-
107-0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
107-0	45.0	0.0	11.9	0.0	0.0	0.0	0.0	-	-	3.1	-	-
107-0	50.0	6.7	0.0	0.0	2.8	0.0	5.8	-	-	-	-	-
107-0	55.0	0.0	0.0	0.0	0.0	6.2	0.0	-	-	-	-	-
107-0	60.0	2.2	0.0	0.0	3.0	5.5	0.0	-	-	-	-	-
107-0	65.0	-	-	4.7	2.8	3.0	0.0	-	-	-	-	-
107-0	70.0	0.0	0.0	0.0	10.4	2.9	0.0	-	-	-	-	-
107-0	75.0	-	-	0.0	2.9	8.7	-	-	-	-	-	-
107-0	85.0	-	-	2.4	0.0	0.0	-	1.5	0.0	0.0	-	-
110-0	33.0	1.2	8.2	0.0	2.7	0.0	-	2.6	0.0	8.1	-	-
110-0	35.0	0.0	0.0	2.3	0.0	0.0	-	6.2	0.0	3.3	-	-
110-0	40.0	0.0	3.2	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110-0	45.0	0.0	3.0	0.0	0.0	3.0	-	6.4	0.0	3.0	-	-
110-0	50.0	2.1	0.0	2.0	0.0	0.0	-	0.0	0.0	0.0	-	-
110-0	55.0	0.0	2.8	0.0	0.0	3.1	-	0.0	0.0	5.7	-	-
110-0	60.0	0.0	0.0	0.0	2.8	0.0	-	0.0	0.0	0.0	-	-
110-0	65.0	0.0	0.0	3.1	0.0	0.0	-	0.0	0.0	2.5	-	-
110-0	80.0	0.0	0.0	11.5	-	-	-	-	-	-	-	-
110-0	85.0	0.0	0.0	10.1	-	-	-	3.0	-	0.0	-	-
113-0	30.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	5.2	-	-
113-0	35.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	3.1	-	-
113-0	40.0	0.0	0.0	3.0	0.0	3.1	0.0	0.0	0.0	0.0	-	-
113-0	45.0	4.9	3.0	0.0	3.1	0.0	0.0	-	-	-	-	-
113-0	50.0	0.0	0.0	2.6	0.0	0.0	6.1	-	-	-	-	-
113-0	55.0	0.0	0.0	3.0	0.0	0.0	0.0	-	-	-	-	-
113-0	60.0	0.0	0.0	0.0	7.8	0.0	0.0	-	-	-	-	-
113-0	65.0	0.0	0.0	0.0	0.0	0.0	5.6	-	-	-	-	-
113-0	70.0	0.0	0.0	3.1	0.0	0.0	0.0	-	-	-	-	-
113-0	80.0	0.0	0.0	3.0	0.0	2.8	0.0	-	-	-	-	-
113-0	85.0	-	-	6.2	-	-	-	-	-	-	-	-
115-0	30.0	-	-	-	-	-	-	-	8.4	-	-	-
117-0	26.0	0.0	2.8	2.5	2.7	0.0	2.1	0.0	0.0	0.0	-	-
117-0	30.0	5.3	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	-	-
117-0	35.0	0.0	0.0	1.8	0.0	5.2	0.0	0.0	0.0	0.0	-	-
117-0	40.0	3.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	-	-
117-0	45.0	2.9	0.0	0.0	0.0	0.0	5.7	0.0	2.6	0.0	-	-
117-0	50.0	0.0	0.0	0.0	0.0	2.7	6.2	-	-	-	-	-
117-0	55.0	0.0	0.0	2.0	0.0	0.0	0.0	-	-	-	-	-
117-0	60.0	2.6	0.0	12.0	0.0	0.0	0.0	-	-	-	-	-
117-0	65.0	-	-	13.8	0.0	0.0	3.0	-	-	-	-	-
117-0	70.0	0.0	0.0	4.4	0.0	0.0	0.0	-	-	-	-	-
117-0	75.0	-	-	7.0	0.0	0.0	0.0	-	-	-	-	-
117-0	80.0	0.0	0.0	0.0	0.0	8.1	0.0	-	-	-	-	-
117-0	85.0	-	-	8.4	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

## Disintegrated fish larva (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
117.0	0.0	-	-	2.7	-	5.2	0.0	2.7	-	0.0	-	-
118.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	-
118.5	25.0	-	-	0.0	0.0	3.8	-	4.1	2.7	0.0	-	-
119.0	33.0	0.0	0.0	2.5	0.0	0.0	2.5	0.0	0.0	0.0	-	-
120.0	25.0	3.2	0.0	0.8	2.0	8.0	0.0	4.3	0.0	2.4	-	-
120.0	30.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	2.8	-	-
120.0	35.0	0.0	2.3	0.0	0.0	-	0.0	10.9	1.5	-	-	-
120.0	37.5	-	-	-	-	-	-	-	0.0	-	-	-
120.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	-	-
120.0	45.0	2.8	0.0	1.8	0.0	0.0	0.0	8.9	0.0	0.0	-	-
120.0	50.0	-	0.0	0.0	0.0	2.4	-	3.1	-	0.0	-	-
120.0	60.0	0.0	0.0	2.9	0.0	0.0	-	8.7	-	3.0	-	-
120.0	65.0	-	-	0.0	0.0	2.4	-	0.0	-	0.0	-	-
120.0	70.0	0.0	5.5	0.0	5.6	2.6	-	0.0	-	5.6	-	-
120.0	80.0	7.2	2.8	0.0	2.8	0.0	-	0.0	-	0.0	-	-
120.0	85.0	-	-	2.7	-	-	-	-	-	-	-	-
120.0	90.0	0.0	0.0	5.7	-	-	-	0.0	-	0.0	-	-
120.0	100.0	-	-	-	-	-	-	0.0	-	5.2	-	-
120.0	120.0	-	-	-	-	-	-	0.0	1.7	5.3	-	-
121.0	35.0	-	-	-	-	-	-	-	-	-	-	-
123.0	37.0	1.9	0.0	0.0	0.0	0.0	2.5	1.9	-	2.5	-	-
123.0	42.0	0.0	17.0	0.0	3.0	0.0	0.0	3.0	-	0.0	-	-
123.0	45.0	0.7	0.0	0.0	8.6	0.0	0.0	5.4	-	0.0	-	-
123.0	50.0	5.6	0.0	0.0	2.9	5.2	0.0	-	-	0.0	-	-
123.0	55.0	1.5	0.0	0.0	0.0	2.5	0.0	-	-	0.0	-	-
123.0	60.0	0.0	0.0	2.8	2.8	7.7	0.0	-	-	-	-	-
123.0	70.0	0.0	0.0	2.4	-	-	-	-	-	-	-	-
123.0	75.0	-	-	4.8	-	-	-	-	-	-	-	-
127.0	40.0	0.0	48.2	0.0	0.0	0.0	0.0	2.4	-	0.0	-	-
127.0	45.0	0.0	2.6	2.9	0.0	0.0	2.8	-	-	0.0	-	-
127.0	50.0	0.0	0.0	0.0	2.6	0.0	0.0	-	-	0.0	-	-
127.0	60.0	0.0	5.9	0.0	0.0	0.0	0.0	-	-	0.0	-	-
127.0	75.0	-	-	2.7	-	-	-	-	-	-	-	-
127.0	80.0	0.0	-	2.6	-	-	-	-	-	-	-	-
130.0	30.0	0.0	7.0	0.0	0.0	0.0	-	1.1	-	5.8	-	-
130.0	35.0	3.0	2.8	0.0	3.1	0.0	-	4.5	-	0.0	-	-
130.0	40.0	0.0	0.0	2.7	0.0	0.0	-	2.9	-	0.0	-	-
130.0	50.0	0.0	0.0	0.0	0.0	0.0	-	7.8	-	0.0	-	-
130.0	55.0	1.4	0.0	0.0	0.0	0.0	-	3.5	-	0.0	-	-
130.0	60.0	0.0	11.8	2.8	5.8	0.0	-	0.0	-	2.8	-	-
130.0	70.0	-	-	-	-	-	-	2.4	-	0.0	-	-
130.0	80.0	-	-	-	-	-	-	1.9	-	0.0	-	-
133.0	25.0	4.9	0.0	0.0	0.0	0.0	-	16.1	-	-	-	-
133.0	30.0	0.0	0.0	0.0	0.0	0.0	-	4.9	-	-	-	-
133.0	35.0	0.0	0.0	5.3	0.0	0.0	-	0.0	-	-	-	-
133.0	40.0	0.0	0.0	2.9	0.0	2.6	-	0.0	-	-	-	-



TABLE 4. (cont.)

## Unidentified fish larva (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
40.0	55.0	0.0	-	10.7	-	-	-	-	-	-	-	-
43.0	45.0	-	-	10.3	-	-	-	-	-	-	-	-
47.0	90.0	-	-	15.0	-	-	-	-	-	-	-	-
50.0	47.0	1.4	-	0.0	-	-	-	-	-	-	-	-
50.0	60.0	0.0	-	3.0	-	-	-	-	-	-	-	-
53.0	55.0	0.0	-	3.1	-	-	-	-	-	-	-	-
57.0	51.0	4.9	-	0.0	-	-	-	-	-	-	-	-
60.0	52.0	12.6	-	0.0	-	0.0	0.0	-	0.0	-	-	-
60.0	55.0	0.0	-	3.8	-	0.0	0.0	-	0.0	-	-	-
60.0	60.0	0.0	-	4.4	-	0.0	0.0	-	2.7	-	-	-
60.0	160.0	-	-	-	-	4.2	0.0	-	0.0	-	-	-
60.0	180.0	-	-	-	-	5.8	0.0	-	0.0	-	-	-
60.0	200.0	-	-	-	-	-	-	-	0.0	-	-	-
63.0	60.0	6.2	-	7.7	-	-	-	-	0.0	-	-	-
63.0	70.0	2.3	-	0.0	-	-	-	-	0.0	-	-	-
67.0	50.0	0.0	-	2.4	-	-	-	-	0.0	-	-	-
67.0	80.0	4.5	-	0.0	-	-	0.0	-	0.0	-	-	-
70.0	70.0	-	-	0.0	-	-	0.0	-	0.0	-	-	-
70.0	80.0	2.4	-	11.4	-	-	0.0	-	0.0	-	-	-
70.0	100.0	5.3	-	-	-	-	10.0	-	0.0	-	-	-
70.0	200.0	-	-	-	-	0.0	0.0	2.4	-	2.6	-	-
83.0	51.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	45.0	0.0	-	0.0	2.6	0.0	0.0	0.0	-	0.0	-	-
87.0	60.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
87.0	65.0	3.2	-	3.5	-	-	-	-	-	-	-	-
90.0	28.0	0.0	-	0.0	0.0	5.1	0.0	0.0	-	0.0	-	-
90.0	32.0	0.0	-	2.2	-	0.0	0.0	0.0	-	0.0	-	-
90.0	37.0	0.0	-	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	45.0	0.0	-	3.6	0.0	0.0	2.5	0.0	-	0.0	-	-
90.0	50.0	0.0	-	1.9	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	65.0	0.0	-	1.8	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	100.0	0.0	-	2.6	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	120.0	5.4	-	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
90.0	140.0	-	-	-	-	-	0.0	0.0	-	2.5	-	-
90.0	160.0	-	-	-	-	-	10.0	-	-	5.7	-	-
90.0	180.0	-	-	-	-	-	11.9	-	-	0.0	-	-
90.0	200.0	-	-	-	-	0.0	0.0	-	2.5	-	-	-
93.0	28.0	2.7	-	-	0.0	0.0	2.3	12.8	-	0.0	-	-
93.0	30.0	0.0	-	-	2.9	5.7	4.8	2.8	-	0.0	-	-
93.0	45.0	0.0	-	-	3.0	0.0	0.0	0.0	-	0.0	-	-
93.0	60.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	65.0	0.0	-	-	0.0	0.0	0.0	0.0	-	0.0	-	-
93.0	95.0	-	-	-	0.0	0.0	-	-	-	-	-	-
93.0	100.0	-	-	-	13.2	-	-	-	-	-	-	-
97.0	30.0	2.5	-	1.5	0.0	0.0	0.0	-	-	0.0	-	-
97.0	30.0	0.0	-	0.0	12.3	0.0	0.0	0.0	-	2.5	-	-
97.0	32.0	0.0	-	0.0	0.0	0.0	5.8	0.0	-	0.0	-	-

TABLE 4. (cont.)

## Unidentified fish larva (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
97.0	50.0	0.0	0.0	0.0	0.0	2.9	0.0	-	-	0.0	-	-
97.0	55.0	0.0	0.0	3.2	0.0	5.6	0.0	-	-	-	-	-
97.0	80.0	0.0	0.0	0.0	0.0	0.0	2.7	-	-	-	-	-
100.0	29.0	0.0	0.0	5.6	-	0.0	-	2.7	-	-	-	-
100.0	30.0	0.0	0.0	5.0	-	0.0	-	6.1	-	5.4	-	-
100.0	35.0	0.0	0.0	0.0	-	2.9	-	0.0	-	0.0	-	-
100.0	40.0	3.0	0.0	0.0	-	2.8	-	0.0	-	0.0	-	-
100.0	45.0	0.0	0.0	0.0	-	9.1	-	0.0	-	0.0	-	-
100.0	50.0	1.7	1.5	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0	55.0	0.0	2.4	0.0	-	0.0	-	0.0	-	0.0	-	-
100.0	60.0	0.0	1.2	0.0	-	0.0	-	0.0	-	2.7	-	-
100.0	65.0	-	-	0.0	-	2.6	-	2.3	-	0.0	-	-
100.0	70.0	0.0	-	0.0	-	0.0	-	0.0	-	2.6	-	-
100.0	75.0	-	-	0.0	-	3.0	-	-	-	-	-	-
100.0	80.0	3.1	2.8	4.7	-	0.0	-	0.0	-	0.0	-	-
103.0	30.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	-	-
103.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-
103.0	55.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	-	-
103.0	60.0	5.2	0.0	2.5	0.0	0.0	0.0	-	-	-	-	-
103.0	65.0	-	-	1.7	0.0	0.0	0.0	-	-	-	-	-
103.0	70.0	-	6.3	0.0	0.0	0.0	0.0	-	-	-	-	-
103.0	75.0	-	0.0	0.0	2.8	0.0	0.0	-	-	-	-	-
103.0	80.0	0.0	5.5	9.0	0.0	2.9	0.0	-	-	-	-	-
103.0	85.0	-	-	2.6	-	-	-	-	-	-	-	-
103.0	90.0	2.8	-	0.0	-	-	-	-	-	-	-	-
107.0	32.0	2.8	0.0	0.0	0.0	0.0	5.8	8.7	0.0	0.0	-	-
107.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	-	-
107.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	5.0	0.0	-	-
107.0	45.0	0.0	0.0	0.0	0.0	0.0	30.7	-	-	-	-	-
107.0	50.0	0.0	0.0	0.0	0.0	0.0	14.5	-	-	-	-	-
107.0	55.0	0.0	0.0	0.0	0.0	0.0	2.9	-	-	-	-	-
107.0	60.0	7.6	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
107.0	70.0	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
110.0	53.0	2.8	2.7	0.0	0.0	0.0	0.0	1.5	6.0	0.0	-	-
110.0	58.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	7.6	0.0	-	-
110.0	63.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	10.2	0.0	-	-
110.0	68.0	0.0	0.0	5.9	6.1	2.9	0.0	0.0	3.0	0.0	-	-
110.0	73.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	78.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	0.0	-	-
110.0	83.0	14.3	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	-	-
110.0	88.0	-	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	-	-
110.0	93.0	8.3	1.6	0.0	-	-	0.0	3.0	3.8	0.0	-	-
113.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.6	0.0	-	-
113.0	35.0	0.0	0.0	0.0	0.0	0.0	5.8	2.7	2.8	0.0	-	-



TABLE 4. (cont.)

STATION	Unidentified fish larva (cont.)											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
113-0	40.0	0.0	2.6	3.0	0.0	0.0	0.0	0.0	5.1	0.0	-	-
113-0	45.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-
113-0	50.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	-	-	-	-
113-0	55.0	0.0	0.0	0.0	0.0	0.0	12.6	-	-	-	-	-
113-0	60.0	0.0	0.0	0.0	0.0	0.0	3.0	-	-	-	-	-
113-0	65.0	0.0	0.0	0.0	0.0	0.0	2.8	-	-	-	-	-
113-0	80.0	0.0	0.0	0.0	0.0	0.0	5.9	-	-	-	-	-
113-0	90.0	2.9	-	6.2	-	-	-	-	-	-	-	-
115-0	30.0	-	-	0.0	-	-	-	-	2.8	-	-	-
115-0	40.0	-	-	-	-	-	-	-	2.7	-	-	-
117-0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	-	-
117-0	30.0	0.0	2.7	0.0	5.7	0.0	4.0	0.0	0.0	10.8	-	-
117-0	35.0	11.6	0.0	0.0	0.0	0.0	3.0	0.0	15.4	0.0	-	-
117-0	40.0	0.0	0.0	0.0	5.8	0.0	11.0	0.0	26.3	0.0	-	-
117-0	45.0	0.0	0.0	0.0	0.0	2.7	0.0	-	-	-	-	-
117-0	50.0	2.6	0.0	0.0	0.0	5.4	3.1	-	-	-	-	-
117-0	55.0	2.8	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
117-0	65.0	0.0	0.0	7.9	0.0	0.0	0.0	-	-	-	-	-
117-0	80.0	2.8	0.0	0.0	0.0	0.0	2.9	-	-	-	-	-
117-0	85.0	0.0	0.0	2.1	0.0	0.0	-	-	-	-	-	-
117-0	90.0	0.0	0.0	2.7	-	-	8.5	0.0	39.8	0.0	-	-
118-0	29.0	2.2	0.0	0.0	0.0	0.0	-	-	2.4	-	-	-
118-5	25.0	-	-	-	-	-	-	-	5.5	-	-	-
118-5	30.0	-	-	-	-	-	-	-	8.0	-	-	-
119-0	27.5	-	-	-	-	-	-	-	2.3	-	-	-
119-0	32.5	-	-	-	-	2.6	-	0.0	21.1	0.0	-	-
119-0	33.0	14.5	0.0	7.5	2.5	0.0	0.0	8.8	10.7	0.0	-	-
119-0	35.0	-	-	-	-	-	0.0	2.1	2.2	0.0	-	-
120-0	25.0	9.6	0.0	0.0	0.0	0.0	0.0	2.2	2.0	2.8	-	-
120-0	30.0	10.0	0.0	0.0	0.0	-	5.4	2.2	2.9	-	-	-
120-0	32.5	-	-	-	-	10.7	-	0.0	0.0	-	-	-
120-0	35.0	7.8	4.5	0.0	0.0	-	-	-	0.0	-	-	-
120-0	37.5	-	-	-	-	-	-	-	0.0	-	-	-
120-0	40.0	0.0	0.0	3.9	0.0	0.0	0.0	10.2	0.0	0.0	-	-
120-0	45.0	0.0	0.0	3.5	0.0	0.0	-	15.4	0.0	0.0	-	-
120-0	50.0	0.0	0.0	0.0	0.0	0.0	-	0.0	2.8	0.0	-	-
120-0	55.0	1.2	8.6	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
120-0	60.0	3.5	0.0	0.0	0.0	0.0	-	0.0	2.8	0.0	-	-
120-0	70.0	1.5	0.0	0.0	0.0	0.0	-	0.0	-	-	-	-
120-0	75.0	-	-	5.7	0.0	0.0	-	-	-	-	-	-
120-0	80.0	-	-	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-
120-0	90.0	-	-	0.0	0.0	-	-	0.0	2.7	0.0	-	-
120-0	120.0	-	-	0.8	-	-	-	0.0	2.6	-	-	-
121-0	30.0	-	-	-	-	-	-	3.9	-	-	-	-
121-0	32.5	-	-	-	-	-	-	3.7	-	-	-	-

TABLE 4. (cont.)

## Unidentified fish larva (cont.)

STATION	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
123.0	37.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	-	5.0	-	-
123.0	42.0	4.4	8.5	0.0	9.0	0.0	0.0	3.0	-	0.0	-	-
123.0	50.0	0.0	3.1	0.0	0.0	0.0	2.7	-	-	0.0	-	-
123.0	55.0	0.0	2.9	0.0	0.0	0.0	0.0	-	-	-	-	-
123.0	70.0	5.2	-	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	34.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	40.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
127.0	50.0	2.7	0.0	0.0	0.0	0.0	2.9	-	-	0.0	-	-
127.0	55.0	2.7	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-
127.0	70.0	2.9	0.0	0.0	0.0	0.0	-	-	-	-	-	-
127.0	75.0	-	-	2.7	-	-	-	-	-	-	-	-
130.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	3.9	-	-
130.0	35.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	-	2.5	-	-
130.0	40.0	2.8	0.0	0.0	0.0	0.0	0.0	2.5	-	0.0	-	-
130.0	45.0	1.4	0.0	11.4	0.0	0.0	0.0	5.2	-	0.0	-	-
130.0	50.0	2.8	2.8	0.0	0.0	0.0	0.0	0.0	-	0.0	-	-
130.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	-	2.8	-	-
130.0	80.0	-	-	-	-	-	-	0.0	-	5.0	-	-
130.0	120.0	-	-	-	-	-	-	-	-	-	-	-
133.0	25.0	0.0	0.0	0.0	0.0	2.7	-	0.0	-	-	-	-
133.0	30.0	0.0	5.2	0.0	5.3	0.0	-	6.9	-	-	-	-
133.0	35.0	0.0	0.3	5.4	0.0	0.0	-	0.0	-	-	-	-
133.0	40.0	0.0	0.0	11.4	2.9	0.0	-	6.0	-	-	-	-
133.0	45.0	7.2	0.0	0.0	0.0	0.0	-	3.4	-	-	-	-
133.0	50.0	0.0	0.0	3.1	0.0	-	-	0.0	-	-	-	-
133.0	55.0	0.0	-	-	-	-	-	8.1	-	-	-	-
133.0	60.0	-	-	-	-	-	-	2.6	-	-	-	-
134.0	36.0	11.6	8.4	0.0	0.0	0.0	-	0.0	-	15.9	-	-
137.0	23.0	45.8	0.0	0.0	0.0	0.0	-	10.1	-	5.1	-	-
137.0	30.0	14.0	12.5	0.0	0.0	0.0	-	10.5	-	2.6	-	-
137.0	35.0	0.0	0.7	0.0	2.4	3.0	-	0.0	-	0.0	-	-
137.0	55.0	0.0	2.4	0.0	2.7	-	-	0.0	-	0.0	-	-
137.0	55.0	2.6	0.0	0.0	-	-	-	2.7	-	5.5	-	-
137.0	70.0	2.3	-	2.5	-	-	-	-	-	-	-	-
140.0	30.0	0.0	-	0.0	-	-	-	1.4	-	-	-	-
143.0	26.0	5.2	-	0.0	-	-	-	1.9	-	-	-	-
143.0	30.0	2.7	-	0.0	-	-	-	-	-	-	-	-
143.0	40.0	13.4	-	3.0	-	-	-	-	-	-	-	-
143.0	50.0	2.9	-	0.0	-	-	-	-	-	-	-	-
143.0	60.0	5.8	-	0.0	-	-	-	-	-	-	-	-
147.0	20.0	8.2	-	0.0	-	-	-	-	-	-	-	-
147.0	25.0	5.9	-	0.0	-	-	-	-	-	-	-	-
147.0	30.0	5.4	-	0.0	-	-	-	-	-	-	-	-
147.0	45.0	5.7	-	0.0	-	-	-	-	-	-	-	-
147.0	50.0	2.8	-	0.0	-	-	-	-	-	-	-	-
147.0	55.0	2.8	-	0.0	-	-	-	-	-	-	-	-

TABLE 4. (cont.)

STATION	Unidentified fish larva (cont.)											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
147.0	60.0	0.0	-	5.7	-	-	-	-	-	-	-	-
150.0	19.0	2.6	-	0.0	-	-	-	-	-	-	-	-
150.0	25.0	20.7	-	0.0	-	-	-	-	-	-	-	-
150.0	30.0	4.8	-	0.0	-	-	-	-	-	-	-	-
150.0	35.0	18.3	-	0.0	-	-	-	-	-	-	-	-
150.0	40.0	2.9	-	0.0	-	-	-	-	-	-	-	-
150.0	45.0	5.6	-	0.0	-	-	-	-	-	-	-	-
150.0	60.0	2.6	-	0.0	-	-	-	-	-	-	-	-
153.0	16.0	2.7	-	0.0	-	-	-	-	-	-	-	-
153.0	30.0	0.0	-	2.8	-	-	-	-	-	-	-	-
153.0	45.0	5.1	-	0.0	-	-	-	-	-	-	-	-
153.0	50.0	2.5	-	0.0	-	-	-	-	-	-	-	-
153.0	55.0	7.9	-	5.3	-	-	-	-	-	-	-	-
153.0	70.0	0.0	-	2.8	-	-	-	-	-	-	-	-
153.0	80.0	2.8	-	-	-	-	-	-	-	-	-	-
157.0	10.0	12.5	-	-	-	-	-	-	-	-	-	-
157.0	15.0	2.8	-	-	-	-	-	-	-	-	-	-
157.0	20.0	2.6	-	-	-	-	-	-	-	-	-	-
157.0	25.0	12.1	-	-	-	-	-	-	-	-	-	-
157.0	40.0	4.5	-	-	-	-	-	-	-	-	-	-
157.0	45.0	18.9	-	-	-	-	-	-	-	-	-	-
157.0	50.0	5.2	-	-	-	-	-	-	-	-	-	-
157.0	55.0	4.5	-	-	-	-	-	-	-	-	-	-
157.0	60.0	10.4	-	-	-	-	-	-	-	-	-	-
157.0	80.0	2.0	-	-	-	-	-	-	-	-	-	-

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

TABLE 5. (cont.)

Name	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
<i>Notolychnus valdiviae</i>	5	4	4	2	1	2	-	1	3	12
<i>Notoscapelus resplendens</i>	16	4	10	8	23	1	31	24	76	64
<i>Stenobrachius leucopsarus</i>	369	405	365	452	251	395	267	3615	327	386
<i>Triphoturus mexicanus</i>	589	715	573	565	475	322	641	768	1069	808
<i>Centrobanchus</i> spp.	-	-	-	-	6	3	30	35	79	97
<i>Drogenichthys</i> spp.	10	3	2	-	90	85	109	126	116	121
<i>Diogenichthys atlanticus</i>	109	112	68	87	90	85	109	126	116	121
<i>Diogenichthys laternatus</i>	230	233	232	346	265	113	412	416	442	210
<i>Electrona rissoi</i>	15	4	4	-	1	-	-	-	2	1
<i>Gonichthys tenuiculus</i>	49	44	38	45	37	12	81	126	181	55
<i>Hypophum</i> spp.	29	20	23	10	6	6	15	47	91	73
<i>Hypophum atratum</i>	47	35	33	36	43	22	88	96	138	21
<i>Hypophum proximum</i>	-	-	-	-	-	-	-	-	-	2
<i>Hypophum reinhardtii</i>	17	14	1	5	13	7	20	6	16	44
<i>Loweina lara</i>	19	18	33	29	14	5	7	8	9	10
<i>Myctophum aurolateranatum</i>	6	34	7	1	13	4	3	13	4	4
<i>Myctophum nitidulum</i>	30	34	7	11	13	13	254	56	105	43
<i>Protomyctophum crockeri</i>	370	345	211	293	312	243	27	360	424	417
<i>Sumboliophorus californiensis</i>	206	183	132	146	102	60	142	216	191	109
<i>Tarletonbeania crenularis</i>	306	399	243	164	103	236	116	90	113	222
<i>Synodus</i> spp.	41	63	44	82	41	39	70	53	66	51
<i>Bregmaceros</i> spp.	2	-	-	1	3	3	13	11	13	19
<i>Merluccius productus</i>	351	366	417	543	439	365	331	541	340	468
Moridae	1	-	-	-	-	-	5	5	2	3
<i>Physiculus</i> 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
<i>Crosmophycis marginata</i>	9	18	1	19	6	12	14	16	10	3
Carapidae	2	1	1	3	1	2	4	1	1	1
<i>Chilara taylori</i>	6	17	5	8	14	9	6	15	17	43
<i>Ophidion scrippsae</i>	17	13	1	17	4	19	53	15	44	8
<i>Porichthys</i> spp.	2	1	1	-	-	-	-	-	-	1
Antennariidae	1	3	-	2	-	2	16	16	50	19
Ceratioidae	3	-	-	-	-	-	-	-	-	-
Lophiidae	-	-	-	-	-	-	-	-	-	-
Gobiesocidae	-	1	-	1	1	-	1	1	1	1
Exocoetidae	8	2	6	1	-	1	5	6	6	4
Hemiramphidae	5	-	-	-	-	-	-	-	-	-
<i>Cololabis saira</i>	53	28	42	22	54	23	14	28	20	16
Atherinidae	2	6	4	7	3	3	1	2	1	1
Trachipteridae	32	40	28	17	13	12	12	31	20	32
<i>Melamphaes</i> spp.	221	233	151	189	166	138	212	238	209	157
<i>Scopelogadus robustus</i>	1	4	12	28	4	18	21	4	17	19
<i>Scopelogadus bispinosus</i>	4	4	-	-	6	5	26	27	60	26
Fistulariidae	-	-	-	-	-	-	-	-	-	-
<i>Macroramphosus gracilis</i>	1	-	-	-	2	-	2	1	1	1
<i>Syngnathus</i> spp.	5	6	12	4	6	-	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
<i>Anopiopoma fimbria</i>	-	1	1	-	-	-	-	-	-	-
Cottidae	24	36	22	49	57	37	31	20	27	30
<i>Scorpaenichthys marmoratus</i>	6	18	3	17	4	3	3	6	2	6
Cyclopteridae	4	13	16	8	5	8	2	4	2	11
Hexagrammidae	1	-	-	-	-	-	1	1	-	1
<i>Ophiodon elongatus</i>	-	1	-	-	2	1	1	3	-	9
<i>Oxylebius pictus</i>	-	1	4	3	4	7	4	12	6	3
<i>Zaniolepis</i> spp.	-	1	9	5	4	9	2	6	6	9
Scorpaenidae	10	9	2	-	-	1	1	-	2	2
<i>Scorpaena</i> spp.	-	-	-	-	-	15	30	9	28	29
<i>Sebastes</i> spp.	600	686	771	841	637	613	558	665	602	572
<i>Sebastes</i> spp.	24	16	72	1	-	2	5	2	10	25
<i>Sebastes</i> spp.	24	19	12	13	-	19	30	25	28	17
<i>Fronotus</i> spp.	2	-	-	-	-	1	2	-	-	1
Blennioidei	-	-	-	-	-	-	-	-	-	1
Bathymasteridae	18	32	38	27	14	11	26	51	59	47
<i>Hypsobriennius</i> spp.	7	4	12	19	15	17	14	20	15	18
Clinidae	116	107	61	113	56	71	93	84	108	67
Gobiidae	-	4	-	-	-	1	-	-	2	3
<i>Icosteus aenigmaticus</i>	74	135	93	124	57	39	97	82	122	75
Labridae	1	-	-	14	8	24	24	9	18	2
Pomacentridae	37	27	-	21	4	18	12	16	16	38
<i>Chromis punctipinnis</i>	2	-	-	1	-	2	1	-	5	3
<i>Hypsypops rubicundus</i>	1	-	-	-	-	-	2	-	9	4
<i>Mugil</i> spp.	2	-	2	1	-	-	1	3	5	4
Apogonidae	1	-	-	-	-	-	-	-	9	6
<i>Brama</i> spp.	4	1	-	2	2	9	15	15	26	12
Carangidae	15	14	-	9	-	-	10	15	-	-
<i>Seriola</i> spp.	-	-	-	1	-	-	1	-	-	1
<i>Seriola lalandi</i>	-	-	-	5	2	11	36	7	36	21
<i>Trachurus symmetricus</i>	372	419	322	373	369	217	295	328	286	227
<i>Trachurus</i> spp.	-	-	-	-	-	6	24	13	27	7
<i>Coryphaena hippurus</i>	-	-	-	-	-	6	13	5	7	8
Gerreidae	-	-	-	-	-	14	14	6	11	17
Haemulidae	-	-	-	-	-	3	3	4	2	4
<i>Girella nigricans</i>	-	5	-	1	5	5	12	2	1	4
<i>Medialuna californiensis</i>	9	11	-	17	5	5	4	4	1	4
<i>Caulleryella princeps</i>	-	-	-	12	4	8	2	2	10	9
Mullidae	-	-	-	-	-	-	10	2	6	9
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	10	-	-	-	-	6	4	10
Scombridae	-	1	1	1	2	9	7	4	3	40
Auxis spp.	9	1	1	1	-	-	23	3	20	3
<i>Euthynnus</i> spp.	-	-	-	-	-	4	1	2	3	9
<i>Sarda chiliensis</i>	-	-	-	-	-	-	1	-	-	2
<i>Scomber japonicus</i>	59	73	97	119	93	39	71	81	65	45
<i>Scomberomorus</i> spp.	1	-	-	-	-	1	1	3	2	-

TABLE 5. (cont.)

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

TABLE 6. List of stations with multiple occupancies in one month during 1960. Stations were occupied twice in one month except those indicated by an asterisk, which were occupied three times.

Station	Month	Station	Month
120.0	45.0	2	
120.0	50.0	2	
120.0	55.0	2	
120.0	60.0	2	
120.0	70.0	2	
120.0	80.0	2	
120.0	90.0	2	
123.0	37.0	2	
123.0	42.0	2	
123.0	45.0	2	
123.0	50.0	2	
123.0	55.0	2	
123.0	60.0	2	
127.0	34.0	2	
127.0	40.0	2	
127.0	45.0	2	
127.0	50.0	2	
127.0	55.0	2	
127.0	60.0	2	
130.0	40.0	2	
130.0	45.0	2	
130.0	50.0	2	
130.0	55.0	2	
93.0	28.0	3	
93.0	30.0	3	
93.0	35.0	3	
93.0	40.0	3	
93.0	45.0	3	
93.0	55.0	3	
93.0	60.0	3	
93.0	70.0	3	
93.0	80.0	3	
93.0	90.0	3	
93.0	100.0	3	
97.0	60.0	3	
97.0	70.0	3	
97.0	80.0	3	
97.0	90.0	*	3
100.0	29.0	3	
100.0	30.0	3	
100.0	35.0	3	
100.0	45.0	3	
100.0	50.0	3	
100.0	55.0	3	
100.0	60.0	3	
100.0	70.0	3	
100.0	80.0	3	
100.0	40.0	3	
100.0	40.0	3	
100.0	30.0	8	
100.0	35.0	8	
100.0	40.0	8	
100.0	40.0	8	
100.0	33.0	8	
100.0	35.0	8	
100.0	30.0	8	
100.0	35.0	8	
100.0	40.0	8	
100.0	45.0	8	
100.0	30.0	8	
100.0	35.0	8	
100.0	40.0	8	
100.0	40.0	8	
100.0	25.0	8	
100.0	30.0	8	
100.0	23.0	8	
100.0	30.0	8	
100.0	80.0	3	
100.0	40.0	3	



## INDEX

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

	Page
Anguilliformes .....	81
Clupeiformes	
Clupeidae	
<i>Etrumeus acuminatus</i> .....	81
<i>Sardinops sagax</i> .....	82
Engraulidae	
<i>Engraulis mordax</i> .....	83
Salmoniformes	
Argentinidae	
<i>Argentina sialis</i> .....	89
<i>Microstoma microstoma</i> .....	90
<i>Nansenia candida</i> .....	91
<i>Nansenia crassa</i> .....	91
Bathylagidae	
<i>Bathylagus</i> spp. ....	92
<i>Bathylagus milleri</i> .....	92
<i>Bathylagus ochotensis</i> .....	93
<i>Bathylagus pacificus</i> .....	96
<i>Bathylagus wesethi</i> .....	96
<i>Leuroglossus stilbius</i> .....	98
Osmeridae .....	102
Stomiiformes .....	102
Gonostomatidae	
<i>Cyclothone</i> spp. ....	103
<i>Diplophos taenia</i> .....	106
<i>Ichthyococcus</i> spp. ....	106
<i>Vinciguerria lucetia</i> .....	107
Sternoptychidae .....	112
Stomiatoidea	
Chauliodontidae	
<i>Chauliodus macouni</i> .....	113
Idiacanthidae	
<i>Idiacanthus antrostomus</i> .....	115
Malacosteidae	
<i>Aristostomias scintillans</i> .....	116
Melanostomiidae	
<i>Bathophilus</i> spp. ....	116
<i>Tactostoma macropus</i> .....	116
Stomiidae	
<i>Stomias atriventer</i> .....	116
Myctophiformes .....	119
Alepisauroidi	
Evermannellidae .....	119
Paralepididae .....	119
Chlorophthalmoidei	
Notosudidae	

	Page
<i>Scopelosaurus</i> spp. ....	121
Scopelarchidae .....	121
Myctophoidei	
Myctophidae .....	123
Lampanyctinae	
<i>Ceratoscopelus townsendi</i> .....	128
<i>Diaphus</i> spp. ....	131
<i>Lampadena urophaos</i> .....	131
<i>Lampanyctus</i> spp. ....	132
<i>Lampanyctus regalis</i> .....	136
<i>Lampanyctus ritteri</i> .....	136
<i>Notolychnus valdiviae</i> .....	140
<i>Notoscopelus resplendens</i> .....	141
<i>Stenobranchius leucopsarus</i> .....	142
<i>Triphoturus mexicanus</i> .....	146
Myctophinae	
<i>Centrobranchus</i> spp. ....	151
<i>Diogenichthys</i> spp. ....	152
<i>Diogenichthys atlanticus</i> .....	153
<i>Diogenichthys laternatus</i> .....	155
<i>Electrona rissoi</i> .....	158
<i>Gonichthys tenuiculus</i> .....	158
<i>Hygophum</i> spp. ....	159
<i>Hygophum atratum</i> .....	161
<i>Hygophum proximum</i> .....	161
<i>Hygophum reinhardtii</i> .....	161
<i>Loweina rara</i> .....	162
<i>Myctophum aurolaternatum</i> .....	162
<i>Myctophum nitidulum</i> .....	163
<i>Protomyctophum crockeri</i> .....	163
<i>Symbolophorus californiensis</i> .....	169
<i>Tarletonbeania crenularis</i> .....	170
Synodontoidaei	
Synodontidae	
<i>Synodus</i> spp. ....	173
Gadiformes	
Bregmacerotidae	
<i>Bregmaceros</i> spp. ....	174
Merlucciidae	
<i>Merluccius productus</i> .....	175
Moridae	
<i>Physiculus</i> spp. ....	179
Macrouridae .....	180
Ophidiiformes .....	180
Bythitidae	
<i>Brosmophysis marginata</i> .....	181
Carapidae .....	181
Ophidiidae	
<i>Chilara taylori</i> .....	181
<i>Ophidion scrippsae</i> .....	181
Batracoidiformes	
Batracoididae	

	Page
<i>Porichthys</i> spp. ....	182
Lophiiformes	
Ceratioidei .....	182
Gobiesociformes	
Gobiesocidae .....	183
Beloniformes	
Exocoetidae .....	183
Scomberesocidae	
<i>Cololabis saira</i> .....	183
Atheriniformes	
Atherinidae .....	183
Lampriformes	
Trachipteridae .....	184
Beryciformes	
Melamphaidae	
<i>Melamphaes</i> spp. ....	184
<i>Poromitra</i> spp. ....	187
<i>Scopeloberyx robustus</i> .....	187
<i>Scopelogadus bispinosus</i> .....	188
Syngnathiformes	
Macroramphosidae	
<i>Macroramphosus gracilis</i> .....	188
Syngnathidae	
<i>Syngnathus</i> spp. ....	188
Scorpaeniformes	
Cottoidei	
Agonidae .....	189
Cottidae .....	189
<i>Scorpaenichthys marmoratus</i> .....	189
Cyclopteridae .....	190
Hexagrammidae .....	190
<i>Oxylebius pictus</i> .....	190
<i>Zaniolepis</i> spp. ....	190
Scorpaenoidei	
Scorpaenidae .....	191
<i>Scorpaena</i> spp. ....	191
<i>Sebastes</i> spp. ....	192
<i>Sebastolobus</i> spp. ....	196
Triglidae	
<i>Prionotus</i> spp. ....	197
Perciformes	
Blennioidei .....	197
Bathymasteridae .....	197
Blenniidae	
<i>Hypsoblennius</i> spp. ....	197
Clinidae .....	198
Gobioidei	
Gobiidae .....	199
Icosteoidi	
Icosteidae	
<i>Icosteus aenigmaticus</i> .....	200
Labroidei	

	Page
Labridae .....	200
Pomacentridae .....	200
<i>Chromis punctipinnis</i> .....	201
Mugiloidei	
Mugilidae	
<i>Mugil</i> spp. ....	202
Percoidei	
Apogonidae .....	203
Bramidae	
<i>Brama</i> spp. ....	203
Carangidae .....	203
<i>Seriola</i> spp. ....	203
<i>Seriola lalandi</i> .....	204
<i>Trachurus symmetricus</i> .....	204
Coryphaenidae	
<i>Coryphaena hippurus</i> .....	207
Gerreidae .....	207
Haemulidae .....	208
Kyphosidae	
<i>Girella nigricans</i> .....	208
<i>Medialuna californiensis</i> .....	208
Malacanthidae	
<i>Caulolatilus princeps</i> .....	208
Sciaenidae .....	209
Serranidae .....	210
Scombroidei	
Gempylidae .....	211
Scombridae .....	211
<i>Sarda chiliensis</i> .....	212
<i>Scomber japonicus</i> .....	212
Trichiuridae .....	213
Sphyraenoidei	
Sphyraenidae	
<i>Sphyraena argentea</i> .....	213
Stromateoidei	
Centrolophidae	
<i>Icichthys lockingtoni</i> .....	214
Nomeidae .....	215
Stromateidae	
<i>Peprilus simillimus</i> .....	216
Tetragonuridae	
<i>Tetragonurus cuvieri</i> .....	216
Trachinoidei	
Chiasmodontidae .....	217
Uranoscopidae .....	217
Pleuronectiformes .....	217
Pleuronectoidei	
Bothidae	
<i>Bothus</i> spp. ....	218
Paralichthyidae	
<i>Citharichthys</i> spp. ....	218
<i>Citharichthys fragilis</i> .....	220

	Page
<i>Citharichthys sordidus</i> .....	221
<i>Citharichthys stigmaeus</i> .....	222
<i>Citharichthys xanthostigma</i> .....	223
<i>Etropus</i> spp. ....	225
<i>Hippoglossina</i> spp. ....	225
<i>Hippoglossina stomata</i> .....	225
<i>Paralichthys</i> spp. ....	226
<i>Paralichthys californicus</i> .....	226
<i>Syacium ovale</i> .....	227
<i>Xystreureys liolepis</i> .....	227
Pleuronectidae	
<i>Glyptocephalus zachirus</i> .....	227
<i>Hypsopsetta guttulata</i> .....	227
<i>Lyopsetta exilis</i> .....	228
<i>Microstomus pacificus</i> .....	228
<i>Parophrys vetulus</i> .....	229
<i>Pleuronichthys</i> spp. ....	230
<i>Pleuronichthys coenosus</i> .....	230
<i>Pleuronichthys decurrens</i> .....	230
<i>Pleuronichthys ritteri</i> .....	230
<i>Pleuronichthys verticalis</i> .....	230
<i>Psettichthys melanostictus</i> .....	231
Soleoidei	
Cynoglossidae	
<i>Symphurus</i> spp. ....	231
Disintegrated fish larva .....	232
Unidentified fish larva .....	238



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