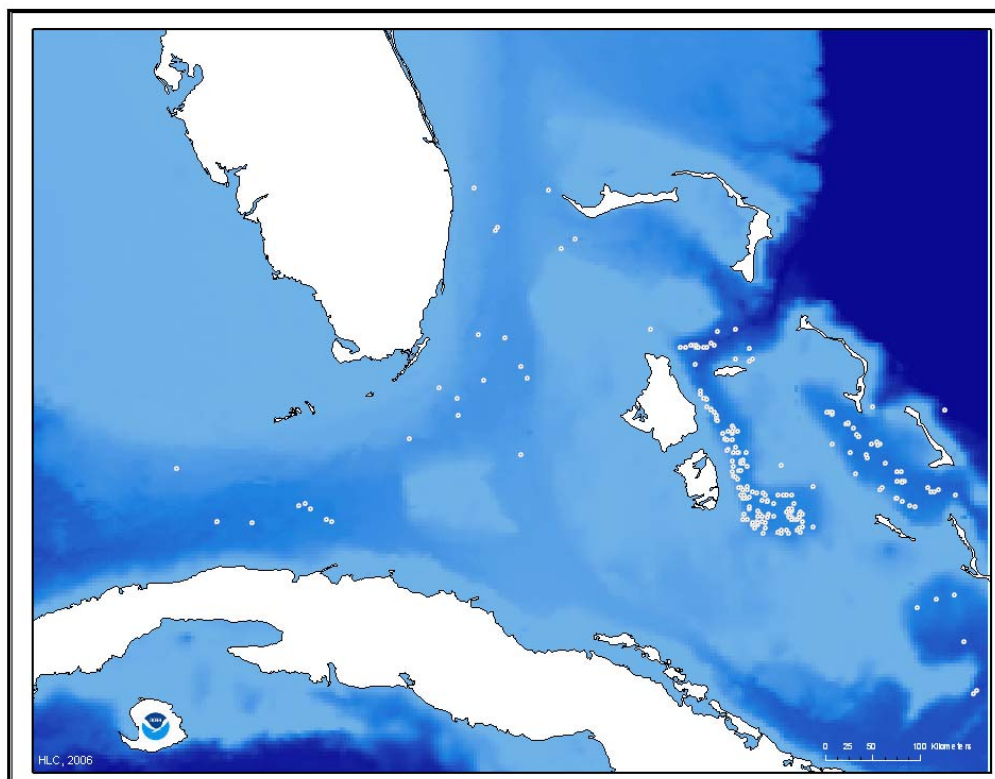




Deep Sea Penaeoid and Sergestoid Shrimps Collected by the R/V  
“*Columbus Iselin*” from the Bahamas Region and Straits of Florida  
1972-1976



By  
Isabel Pérez Farfante  
Brian Kensley  
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U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
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## INTRODUCTION

The Rosenstiel School of the Marine and Atmospheric Science of the University of Miami conducted nine cruises from 1972 to 1976 on the R/V *Columbus Iselin* (Table 1) to collect deep-sea fishes from the Bahamas Region, primarily those of the Tongue of the Ocean (G. L. Voss; C. R. Robins and N. A. Voss, per. comm.). In addition, sampling was conducted at various water depths in the south and southeastern waters of Florida. Together with the fishes, a large number of Dendrobranchiate (Penaeoidea and Sergestoidea) shrimps and prawns were captured which are the subject of this study. The data acquired on these cruises were taken from the vessel's log (Table 2).

The Tongue of the Ocean comprises several elongated deep extensions from the Atlantic Ocean basin, between Andros Island to the west and New Providence Island to the east (Athearn, 1963). The sampling in the Tongue of the Ocean was very intense, but it was scattered and the effort limited in most of the other areas, except in Exuma Sound (Fig. 1). The number of records of dendrobranchiate shrimps from these deep basins around the Bahamas has been limited, both in number of species and specimens. Therefore, the present investigation resulted in establishing new geographical records of many species especially of the family Sergestidae.

The geographic area covered by this study includes the three basins and a few additional areas of the Bahamas region, Northwest Providence Channel and a few number of localities in the Straits of Florida (Fig. 1 and Table 3). During the nine cruises, 1,221 dendrobranchiate shrimps were collected at 225 stations. The specimens comprised 41 species, which included 21 species from 4 penaeoid families: Aristidae, Benthescymidae, Penaeidae and Solenoceridae, and 20 species from the sergestoid family, Sergestidae (Table 4). The bathymetric distribution of the species ranged between 37-50 and 3219-3237 m. (Table 5). The depth of most of the stations ranged from 1,200 to 1,300 m; only 4 stations from the NW Providence Channel were deeper than 3,000 m.

## MATERIALS AND METHODS

Sampling was conducted with several types of gear. In the majority of the stations the gear laid out on the hard bottom, some at mid-water and a few below 1000 m. Most samples were taken with two four seam semi-balloon otter trawls 41 feet (12.5 m) and 45 feet (13.7 m) Marinovich Gulf of México shrimp trawls, occasionally with 10-foot IKMT (Isaacs and Kidd Mid-water Trawl) as described in Voss, 1966. In a few stations a 10 foot Otter Trawl was used. In four stations, sampling was conducted with a 5-foot Blake trawl, a 10 foot try net and a 3 foot plankton net. A standardized trawling routine was strictly followed (Sulak, 1982).

The taxonomy here follows that in the book by Pérez Farfante and Kensley (1997), Vereshchaka (2000), and ITIS (2006). The works of Boone (1927), Burkenroad (1936) and Lemaitre (1984) were consulted and the information provided by Sulak's dissertation (1982) and Sulak (pers. comm.), as well as that by C. Richard Robins (pers. comm.) were particularly helpful.

All the specimens used in this study have been accessioned into the Marine Invertebrate Museum of the Rosenstiel School of Marine and Atmospheric Science, University of Miami.

## RESULTS

### **Benthiscymidae**

#### **New Records:**

*Benthiscymus bartletti*. This species was the most abundant in the Tongue of the Ocean. It was present in 127 stations of a total of 225 .

*Benthiscymus cf crenatus*. Specimens of this species were found for the first time in the Western Atlantic: Tongue of the Ocean and Straits of Florida. It was previously known only from the Central and Northeast Pacific Ocean.

### **Sergestidae**

Considering the few collections made from the R/V *Columbus Iselin* in the Straits of Florida, only 24 out of 225 stations, the number of species (20 of a total of 41) found in the area is striking. Also interesting is the number of new records reported herein.

#### **New Records:**

*Sergestes armatus*. From the Bahamas, the Straits of Florida, North -Western Atlantic Ocean, except off Bermuda.

*Sergestes atlanticus*. From the Bahamas, the Straits of Florida, North -Western Atlantic Ocean, except from off Bermuda, and the Sargasso Sea.

*Sergestes curvatus*. From the Bahamas, the Straits of Florida, North -Western Atlantic Ocean.

*Sergestes edwardsi*. From the Bahamas, Northeast Providence Channel, the Straits of Florida, and North - Western Atlantic Ocean.

*Sergestes paraseminudus*. From the Bahamas, the Straits of Florida, and North - Western Atlantic Ocean.

*Sergestes pectinatus*. From the Straits of Florida, and North -Western Atlantic Ocean, except off Bermuda, and the Sargasso Sea.

*Sergestes sargassi*. From the Bahamas, North -Western Atlantic Ocean, except off Bermuda, and the Sargasso Sea.

*Sergestes vigilax*. From the Straits of Florida, North - Western Atlantic Ocean, except off Bermuda.

*Sergia mollis*. From the Bahamas.

*Sergia regalis*. New record from the Bahamas and North -Western Atlantic Ocean.

*Sergia splendens*. From the Bahamas, Straits of Florida and North-Western Atlantic Ocean, except off Bermuda.

*Sergia tenuiremis*. New record from the Bahamas and North-West Atlantic Ocean

*Sergia wolffi*. From the Bahamas, Straits of Florida, North-Western Atlantic Ocean, except from the Caribbean Sea.



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Table 1. Cruises numbers conducted on the R/V “*Columbus Iselin*” with their respective number of stations and dates from which dendrobranchiate shrimps were analyzed.

| Cruises | Stations | Date                   |
|---------|----------|------------------------|
| 7203    | 1-37     | 1-VII-72 --- 9-VII-72  |
| 7305    | 38-1900  | 21-II-73 --- 13-III-73 |
| 7315    | 101-142  | 20-IX-73 -- 28-IX-73   |
| 7402    | 143-194  | 2-II-74 --- 28-IX-73   |
| 7403    | 195-245  | 17-II-74 --- 27-II-74  |
| 7406    | 246-289  | 29-IX-74 -- 11-XI-74   |
| 7504    | 299-353  | 2-IV-75 --- 21-IV-75   |
| 7511    | 354-404  | 19-VIII-75 -- 6-IX-75  |
| 7603    | 405-441  | 28-II-76 --- 1-III-76  |

Table 2. List of R/V “*Columbus Iselin* Stations

|                              |                 |
|------------------------------|-----------------|
| Columbus Basin               | CB <sup>1</sup> |
| Exuma Sound                  | ES              |
| Tongue of the Ocean          | TOTO            |
| Northeast Providence Channel | NE PCh          |
| New Providence Island        | NPI.            |
| Grand Bahamas Island         | GBI.            |
| Great Bahama Bank            | GBB             |
| Straits of Florida           | S of FL         |

<sup>1</sup> Initials indicate location of stations in relation to a close main sampling area.

<sup>2</sup> Depths of the stations are those at which the specimens were captured

| Station # | Date       | Depth <sup>2</sup> (m) | Latitude              | Longitude             | Location |
|-----------|------------|------------------------|-----------------------|-----------------------|----------|
| CI-9      | 4-VII - 72 | 1318-1329              | 23 <sup>0</sup> 52' N | 77 <sup>0</sup> 04' W | TOTO     |
| CI-10     | 4- VII -72 | 1300-1315              | 23 <sup>0</sup> 47' N | 76 <sup>0</sup> 48' W | TOTO     |
| CI-11     | 4- VII -72 | 1170-1180              | 23 <sup>0</sup> 34' N | 76 <sup>0</sup> 37' W | TOTO     |
| CI-12     | 4- VII -72 | 1290-1302              | 23 <sup>0</sup> 32' N | 76 <sup>0</sup> 55' W | TOTO     |
| CI-14     | 5- VII -72 | 1246-1371              | 23 <sup>0</sup> 35' N | 77 <sup>0</sup> 11' W | TOTO     |
| CI-20     | 6- VII -72 | 1298-1399              | 24 <sup>0</sup> 12' N | 77 <sup>0</sup> 17' W | TOTO     |
| CI-21     | 6- VII -12 | 1554-1573              | 24 <sup>0</sup> 28' N | 77 <sup>0</sup> 25' W | TOTO     |
| CI-22     | 6- VII -72 | 485-612                | 25 <sup>0</sup> 15' N | 77 <sup>0</sup> 13' W | NE NPI.  |
| CI-24     | 6- VII -72 | 1710-1719              | 24 <sup>0</sup> 36' N | 77 <sup>0</sup> 32' W | TOTO     |
| CI-25     | 7- VII -72 | 1948-2012              | 24 <sup>0</sup> 47' N | 77 <sup>0</sup> 38' W | TOTO     |
| CI-27     | 7- VII -72 | 658-666                | 25 <sup>0</sup> 26' N | 78 <sup>0</sup> 09' W | NE GBB   |
| CI-31     | 8- VII -72 | 3054-3164              | 25 <sup>0</sup> 18' N | 77 <sup>0</sup> 35' W | NE PCh   |
| CI-32     | 8- VII -72 | 3017-3045              | 25 <sup>0</sup> 17' N | 77 <sup>0</sup> 33' W | NE PCh   |
| CI-33     | 9- VII -72 | 3219-3237              | 25 <sup>0</sup> 26' N | 77 <sup>0</sup> 21' W | NE PCh   |
| CI-36     | 9- VII -72 | 290                    | 25 <sup>0</sup> 09' N | 77 <sup>0</sup> 11' W | NPI      |
| CI-37     | 9- VII -72 | 512-540                | 25 <sup>0</sup> 08' N | 77 <sup>0</sup> 13' W | NPI      |
| CI-40     | 22-II-73   | 1307-1317              | 23 <sup>0</sup> 47' N | 76 <sup>0</sup> 59' W | TOTO     |
| CI-41     | 22- II -73 | 1298                   | 23 <sup>0</sup> 43' N | 76 <sup>0</sup> 49' W | TOTO     |
| CI-42     | 23- II -73 | 1280                   | 23 <sup>0</sup> 31' N | 76 <sup>0</sup> 44' W | TOTO     |
| CI-45     | 24- II -73 | 750-850                | 23 <sup>0</sup> 41' N | 77 <sup>0</sup> 16' W | TOTO     |
| CI-46     | 24- II -73 | 1234-1280              | 23 <sup>0</sup> 30' N | 77 <sup>0</sup> 05' W | TOTO     |
| CI-48     | 25- II -73 | 1390                   | 23 <sup>0</sup> 44' N | 77 <sup>0</sup> 13' W | TOTO     |
| CI-51     | 25- II -73 | 1290                   | 23 <sup>0</sup> 38' N | 76 <sup>0</sup> 49' W | TOTO     |
| CI-52     | 25- II -73 | 850                    | 23 <sup>0</sup> 37' N | 77 <sup>0</sup> 09' W | TOTO     |
| CI-54     | 26- II -73 | 1298-1335              | 23 <sup>0</sup> 54' N | 77 <sup>0</sup> 11' W | TOTO     |
| CI-55     | 26- II -73 | 1353                   | 23 <sup>0</sup> 56' N | 77 <sup>0</sup> 18' W | TOTO     |
| CI-56     | 26- II -73 | 1380-1399              | 24 <sup>0</sup> 01' N | 77 <sup>0</sup> 20' W | TOTO     |
| CI-57     | 27- II -73 | 1400-1409              | 24 <sup>0</sup> 05' N | 77 <sup>0</sup> 23' W | TOTO     |
| CI-60     | 28- II -73 | 1536-1545              | 24 <sup>0</sup> 24' N | 77 <sup>0</sup> 27' W | TOTO     |
| CI-63     | 1- III -73 | 910                    | 24 <sup>0</sup> 38' N | 76 <sup>0</sup> 26' W | ES       |
| CI-64     | 1- III -73 | 340                    | 24 <sup>0</sup> 40' N | 75 <sup>0</sup> 22' W | NE ES    |
| CI-69     | 3- III -73 | 1100                   | 24 <sup>0</sup> 26' N | 76 <sup>0</sup> 12' W | ES       |
| CI-70     | 4- III -73 | 1673-1682              | 24 <sup>0</sup> 30' N | 76 <sup>0</sup> 14' W | ES       |
| CI-72     | 4- III -73 | 1884                   | 24 <sup>0</sup> 00' N | 75 <sup>0</sup> 45' W | ES       |
| CI-73     | 4- III -73 | 1792                   | 23 <sup>0</sup> 46' N | 75 <sup>0</sup> 42' W | ES       |
| CI-75     | 5- III -73 | 1737                   | 24 <sup>0</sup> 15' N | 76 <sup>0</sup> 07' W | ES       |
| CI-76     | 5- III -73 | 1582-1591              | 24 <sup>0</sup> 39' N | 76 <sup>0</sup> 28' W | ES       |
| CI-78     | 6- III -73 | 1682-1701              | 24 <sup>0</sup> 25' N | 76 <sup>0</sup> 11' W | ES       |
| CI-82     | 8- III -73 | 1000                   | 23 <sup>0</sup> 48' N | 77 <sup>0</sup> 03' W | TOTO     |
| CI-83     | 9- III -73 | 640-713                | 24 <sup>0</sup> 08' N | 77 <sup>0</sup> 14' W | TOTO     |

|        |            |           |                                    |                        |                                |
|--------|------------|-----------|------------------------------------|------------------------|--------------------------------|
| CI-84  | 9- III -73 | 741-805   | 24 <sup>0</sup> 16' N              | 77 <sup>0</sup> 15' W  | TOTO                           |
| CI-85  | 9- III -73 | 1510-1545 | 24 <sup>0</sup> 23' N              | 77 <sup>0</sup> 23' W  | TOTO                           |
| CI-87  | 10-III -73 | 1719-1746 | 24 <sup>0</sup> 37' N              | 77 <sup>0</sup> 32' W  | TOTO                           |
| CI-89  | 10-III -73 | 1938-1966 | 24 <sup>0</sup> 47' N              | 77 <sup>0</sup> 39' W  | TOTO                           |
| CI-90  | 10-III -73 | 600-640   | 24 <sup>0</sup> 51' N              | 77 <sup>0</sup> 41' W  | TOTO                           |
| CI-96  | 12-III -73 | 2524-2615 | 25 <sup>0</sup> 06' N              | 77 <sup>0</sup> 44' W  | NE PCh.                        |
| CI-97  | 12-III -73 | 2679-2816 | 25 <sup>0</sup> 17' N              | 77 <sup>0</sup> 45' W  | NE PCh.                        |
| CI-98  | 13 III -73 | 900-920   | 25 <sup>0</sup> 17' N              | 77 <sup>0</sup> 43' W  | NE PCh.                        |
| CI-101 | 20-IX -73  | 1584-1604 | 24 <sup>0</sup> 27' N              | 77 <sup>0</sup> 28' W  | TOTO                           |
| CI-103 | 21-IX -73  | 1423-1450 | 24 <sup>0</sup> 08' N              | 77 <sup>0</sup> 22' W  | TOTO                           |
| CI-106 | 21-IX -73  | 1261-1311 | 23 <sup>0</sup> 52' N              | 76 <sup>0</sup> 54' W  | TOTO                           |
| CI-110 | 22-IX -73  | 1364      | 23 <sup>0</sup> 41' N              | 77 <sup>0</sup> 02' W  | TOTO                           |
| CI-113 | 23-IX -73  | 1368      | 23 <sup>0</sup> 41' N              | 77 <sup>0</sup> 07' W  | TOTO                           |
| CI-114 | 23-IX -73  | 1334-1342 | 23 <sup>0</sup> 41' N              | 76 <sup>0</sup> 50' W  | TOTO                           |
| CI-115 | 23-IX -73  | 1307-1324 | 23 <sup>0</sup> 38' N              | 76 <sup>0</sup> 47' W  | TOTO                           |
| CI-118 | 24-IX -73  | 400-465   | 23 <sup>0</sup> 38' N              | 76 <sup>0</sup> 46' W  | TOTO                           |
| CI-119 | 24 IX -73  | 350-425   | 23 <sup>0</sup> 40' N              | 76 <sup>0</sup> 51' W  | TOTO                           |
| CI-122 | 24 IX -73  | 1428-1439 | 24 <sup>0</sup> 06' N              | 77 <sup>0</sup> 19' W  | TOTO                           |
| CI-125 | 25-IX -73  | 1485-1507 | 24 <sup>0</sup> 30' N              | 77 <sup>0</sup> 22' W  | TOTO                           |
| CI-126 | 25-IX -73  | 1860-1884 | 24 <sup>0</sup> 41' N              | 77 <sup>0</sup> 35' W  | TOTO                           |
| CI-133 | 26-IX -73  | 1000-1250 | 25 <sup>0</sup> 25' N              | 77 <sup>0</sup> 31' W  | NE PCh                         |
| CI-138 | 28-IX -73  | 448-466   | 26 <sup>0</sup> 17' N              | 78 <sup>0</sup> 52' W  | S GBI.                         |
| CI-139 | 28-IX -73  | 353-358   | 26 <sup>0</sup> 12' N              | 79 <sup>0</sup> 00' W  | NW GBB                         |
| CI-140 | 28-IX -73  | 732-738   | 26 <sup>0</sup> 24' N              | 79 <sup>0</sup> 36' W  | S of FL<br>(off Pompano Beach) |
| CI-142 | 28-IX -73  | 329-362   | 26 <sup>0</sup> 46' N              | 79 <sup>0</sup> 49' W  | S of FL<br>(off Palm Beach)    |
| CI-143 | 2-II- 74   | 1754-1856 | 24 <sup>0</sup> 40' N              | 77 <sup>0</sup> 35' W  | TOTO                           |
| CI-144 | 3-II -74   | 1483-1506 | 24 <sup>0</sup> 30' N              | 77 <sup>0</sup> 22' W  | TOTO                           |
| CI-145 | 3-II -74   | 1430-1447 | 24 <sup>0</sup> 16' N              | 77 <sup>0</sup> 19' W  | TOTO                           |
| CI-147 | 3-II -74   | 1334-1378 | 23 <sup>0</sup> 57' N              | 77 <sup>0</sup> 14' W  | TOTO                           |
| CI-148 | 3-II -74   | 1333-1379 | 24 <sup>0</sup> 06' N              | 77 <sup>0</sup> 18' W  | TOTO                           |
| CI-149 | 4-II -74   | 1387-1390 | 23 <sup>0</sup> 52' N              | 77 <sup>0</sup> 18'' W | TOTO                           |
| CI-150 | 4-II -74   | 1355-1360 | 23 <sup>0</sup> 49' N              | 77 <sup>0</sup> 03' W  | TOTO                           |
| CI-151 | 4-II -74   | 1301-1315 | 23 <sup>0</sup> 52' N <sup>0</sup> | 76 <sup>0</sup> 49' W  | TOTO                           |
| CI-153 | 4-II -74   | 1313-1314 | 23 <sup>0</sup> 42' N              | 76 <sup>0</sup> 44' W  | TOTO                           |
| CI-154 | 4-II -74   | 1311      | 23 <sup>0</sup> 32' N              | 76 <sup>0</sup> 46' W  | TOTO                           |
| CI-156 | 5-II -74   | 1330-1334 | 23 <sup>0</sup> 43' N              | 76 <sup>0</sup> 50'' W | TOTO                           |
| CI-157 | 5-II -74   | 1314      | 23 <sup>0</sup> 39' N              | 76 <sup>0</sup> 49' W  | TOTO                           |
| CI-159 | 5-II -74   | 1339-1352 | 23 <sup>0</sup> 39' N              | 76 <sup>0</sup> 50' W  | TOTO                           |
| CI-160 | 6-II -74   | 1360-1364 | 23 <sup>0</sup> 40' N              | 77 <sup>0</sup> 03' W  | TOTO                           |
| CI-161 | 6-II -74   | 1364-1370 | 23 <sup>0</sup> 40' N              | 77 <sup>0</sup> 06' W  | TOTO                           |
| CI-163 | 6-II -74   | 1342-1348 | 23 <sup>0</sup> 33' N              | 77 <sup>0</sup> 10' W  | TOTO                           |
| CI-164 | 6-II -74   | 1372      | 23 <sup>0</sup> 45' N              | 77 <sup>0</sup> 13' W  | TOTO                           |
| CI-165 | 7-II -74   | 1426-1435 | 24 <sup>0</sup> 03' N              | 77 <sup>0</sup> 22' W  | TOTO                           |
| CI-166 | 7-II -74   | 1492-1516 | 24 <sup>0</sup> 18' N              | 77 <sup>0</sup> 25' W  | TOTO                           |

|        |            |           |                       |                       |          |
|--------|------------|-----------|-----------------------|-----------------------|----------|
| CI-167 | 7-II -74   | 1506-1523 | 23 <sup>0</sup> 38' N | 77 <sup>0</sup> 17' W | TOTO     |
| CI-168 | 7-II -74   | 1570-1584 | 24 <sup>0</sup> 27' N | 77 <sup>0</sup> 23' W | TOTO     |
| CI-169 | 7-II -74   | 1737-1748 | 24 <sup>0</sup> 35' N | 77 <sup>0</sup> 32' W | TOTO     |
| CI-171 | 8-II -74   | 1940-2074 | 24 <sup>0</sup> 46' N | 77 <sup>0</sup> 37' W | TOTO     |
| CI-172 | 8-II -74   | 2780-2891 | 25 <sup>0</sup> 17' N | 77 <sup>0</sup> 46' W | (N) TOTO |
| CI-175 | 9-II -74   | 1701-1707 | 24 <sup>0</sup> 32' N | 76 <sup>0</sup> 18' W | ES       |
| CI-176 | 10- II -74 | 1632      | 24 <sup>0</sup> 39' N | 76 <sup>0</sup> 29' W | ES       |
| CI-178 | 10- II -74 | 1794      | 24 <sup>0</sup> 13' N | 76 <sup>0</sup> 06' W | ES       |
| CI-180 | 11- II -74 | 1200-1208 | 24 <sup>0</sup> 04' N | 76 <sup>0</sup> 13' W | ES       |
| CI-181 | 11- II -74 | 600-650   | 24 <sup>0</sup> 21' N | 76 <sup>0</sup> 26' W | ES       |
| CI-182 | 11- II -74 | 1758-1780 | 23 <sup>0</sup> 56' N | 75 <sup>0</sup> 58' W | ES       |
| CI-183 | 11- II -74 | 1801-1814 | 23 <sup>0</sup> 45' N | 75 <sup>0</sup> 39' W | ES       |
| CI-184 | 11- II -74 | 2184-2193 | 23 <sup>0</sup> 55' N | 75 <sup>0</sup> 26' W | ES       |
| CI-185 | 12- II -74 | 1230-1240 | 23 <sup>0</sup> 54' N | 75 <sup>0</sup> 28' W | ES       |
| CI-187 | 12- II -74 | 1880-1895 | 24 <sup>0</sup> 00' N | 75 <sup>0</sup> 49' W | ES       |
| CI-189 | 13- II -74 | 500       | 24 <sup>0</sup> 05' N | 75 <sup>0</sup> 49' W | ES       |
| CI-190 | 13- II -74 | 225       | 24 <sup>0</sup> 05' N | 75 <sup>0</sup> 47' W | ES       |
| CI-191 | 13- II -74 | 1779-1840 | 24 <sup>0</sup> 10' N | 75 <sup>0</sup> 56' W | ES       |
| CI-192 | 13- II -74 | 1760-1776 | 24 <sup>0</sup> 21' N | 75 <sup>0</sup> 59' W | ES       |
| CI-193 | 13- II -74 | 1739-1756 | 24 <sup>0</sup> 25' N | 76 <sup>0</sup> 11' W | ES       |
| CI-194 | 13- II -74 | 400-550   | 24 <sup>0</sup> 42' N | 76 <sup>0</sup> 03' W | (N) ES   |
| CI-197 | 17- II -74 | 1659-1670 | 23 <sup>0</sup> 36' N | 86 <sup>0</sup> 06' W | S of FL  |
| CI-198 | 17- II -74 | 1315-1500 | 23 <sup>0</sup> 37' N | 82 <sup>0</sup> 15' W | S of FL  |
| CI-199 | 18- II -74 | 1543-1582 | 23 <sup>0</sup> 37' N | 82 <sup>0</sup> 15' W | S of FL  |
| CI-200 | 18- II -74 | 130-135   | 23 <sup>0</sup> 36' N | 81 <sup>0</sup> 55' W | S of FL  |
| CI-202 | 18- II -74 | 37-50     | 24 <sup>0</sup> 07' N | 82 <sup>0</sup> 38' W | S of FL  |
| CI-203 | 19- II -74 | 500-550   | 23 <sup>0</sup> 38' N | 81 <sup>0</sup> 13' W | S of FL  |
| CI-204 | 19- II -74 | 900-950   | 23 <sup>0</sup> 37' N | 81 <sup>0</sup> 10' W | S of FL  |
| CI-206 | 19- II -74 | 80        | 23 <sup>0</sup> 44' N | 81 <sup>0</sup> 22' W | S of FL  |
| CI-208 | 20- II -74 | 50        | 23 <sup>0</sup> 47' N | 81 <sup>0</sup> 25' W | S of FL  |
| CI-209 | 20- II -74 | 550-625   | 23 <sup>0</sup> 46' N | 81 <sup>0</sup> 29' W | S of FL  |
| CI-214 | 20- II -74 | 125       | 24 <sup>0</sup> 24' N | 80 <sup>0</sup> 26' W | S of FL  |
| CI-218 | 21- II -74 | 430-455   | 24 <sup>0</sup> 47' N | 79 <sup>0</sup> 59' W | S of FL  |
| CI-219 | 21- II -74 | 450       | 24 <sup>0</sup> 57' N | 79 <sup>0</sup> 44' W | S of FL  |
| CI-221 | 21- II -74 | 125       | 25 <sup>0</sup> 05' N | 79 <sup>0</sup> 23' W | S of FL  |
| CI-224 | 22- II -74 | 105-180   | 24 <sup>0</sup> 58' N | 79 <sup>0</sup> 19' W | S of FL  |
| CI-225 | 22- II -74 | 70-250    | 24 <sup>0</sup> 15' N | 79 <sup>0</sup> 23' W | W GBB    |
| CI-227 | 22- II -74 | 600-700   | 24 <sup>0</sup> 29' N | 79 <sup>0</sup> 49' W | S of FL  |
| CI-228 | 22- II -74 | 250-260   | 24 <sup>0</sup> 37' N | 79 <sup>0</sup> 58' W | S of FL  |
| CI-230 | 23- II -74 | 50-100    | 24 <sup>0</sup> 53' N | 80 <sup>0</sup> 09' W | S of FL  |
| CI-233 | 23- II -74 | 625-750   | 25 <sup>0</sup> 21' N | 79 <sup>0</sup> 32' W | S of FL  |
| CI-234 | 23- II -74 | 500       | 25 <sup>0</sup> 23' N | 79 <sup>0</sup> 47' W | S of FL  |
| CI-240 | 26- II -74 | 325-345   | 26 <sup>0</sup> 45' N | 79 <sup>0</sup> 07' W | NW GBI   |
| CI-246 | 29-IX -74  | 743-761   | 26 <sup>0</sup> 22' N | 79 <sup>0</sup> 37' W | S of FL  |
| CI-249 | 31-IX -74  | 1372      | 23 <sup>0</sup> 48' N | 77 <sup>0</sup> 03' W | TOTO     |
| CI-250 | 31-IX -74  | 1277-1305 | 23 <sup>0</sup> 52' N | 76 <sup>0</sup> 52' W | TOTO     |

|        |           |           |                       |                       |           |
|--------|-----------|-----------|-----------------------|-----------------------|-----------|
| CI-251 | 31-IX -74 | 1315      | 23 <sup>0</sup> 41' N | 76 <sup>0</sup> 45' W | TOTO      |
| CI-252 | 1- XI -74 | 1322-1332 | 23 <sup>0</sup> 39' N | 76 <sup>0</sup> 45' W | TOTO      |
| CI-253 | 1- XI -74 | 1328-1337 | 23 <sup>0</sup> 44' N | 76 <sup>0</sup> 49' W | TOTO      |
| CI-256 | 1- XI -74 | 1360      | 23 <sup>0</sup> 37' N | 77 <sup>0</sup> 06' W | TOTO      |
| CI-257 | 1- XI -74 | 50        | 23 <sup>0</sup> 43' N | 77 <sup>0</sup> 08' W | TOTO      |
| CI-258 | 2- XI -74 | 1359-1360 | 23 <sup>0</sup> 39' N | 77 <sup>0</sup> 03' W | TOTO      |
| CI-260 | 2- XI -74 | 1355-1357 | 23 <sup>0</sup> 35' N | 77 <sup>0</sup> 08' W | TOTO      |
| CI-261 | 2- XI -74 | 1351-1355 | 23 <sup>0</sup> 36' N | 77 <sup>0</sup> 08' W | TOTO      |
| CI-264 | 3- XI -74 | 1335-1362 | 23 <sup>0</sup> 53' N | 77 <sup>0</sup> 09' W | TOTO      |
| CI-268 | 4- XI -74 | 1487-1492 | 24 <sup>0</sup> 31' N | 77 <sup>0</sup> 23' W | TOTO      |
| CI-269 | 4- XI -74 | 1430-1440 | 24 <sup>0</sup> 28' N | 77 <sup>0</sup> 23' W | TOTO      |
| CI-270 | 4- XI -74 | 1538-1561 | 24 <sup>0</sup> 23' N | 77 <sup>0</sup> 26' W | TOTO      |
| CI-271 | 4- XI -74 | 1481-1502 | 24 <sup>0</sup> 17' N | 77 <sup>0</sup> 26' W | TOTO      |
| CI-274 | 7- XI -74 | 1701      | 24 <sup>0</sup> 32' N | 76 <sup>0</sup> 17' W | ES        |
| CI-279 | 8- XI -74 | 1823-1853 | 23 <sup>0</sup> 50' N | 75 <sup>0</sup> 50' W | ES        |
| CI-280 | 8- XI -74 | 2347-2360 | 23 <sup>0</sup> 52' N | 75 <sup>0</sup> 16' W | ES        |
| CI-281 | 8- XI -74 | 2113-2169 | 23 <sup>0</sup> 54' N | 75 <sup>0</sup> 30' W | ES        |
| CI-282 | 9- XI -74 | 1902-1908 | 24 <sup>0</sup> 00' N | 75 <sup>0</sup> 47' W | ES        |
| CI-287 | 10-XI -74 | 1741-1748 | 24 <sup>0</sup> 22' N | 76 <sup>0</sup> 01' W | ES        |
| CI-288 | 11-XI -74 | 2830-2911 | 25 <sup>0</sup> 16' N | 77 <sup>0</sup> 43' W | NE PCh    |
| CI-299 | 2- IV -75 | 1762-1794 | 24 <sup>0</sup> 39' N | 77 <sup>0</sup> 33' W | TOTO      |
| CI-300 | 3- IV -75 | 1360-1372 | 23 <sup>0</sup> 55' N | 77 <sup>0</sup> 14' W | TOTO      |
| CI-301 | 3- IV -75 | 1269-1304 | 23 <sup>0</sup> 52' N | 76 <sup>0</sup> 52' W | TOTO      |
| CI-302 | 3- IV -75 | 1452-1465 | 24 <sup>0</sup> 11' N | 77 <sup>0</sup> 23' W | TOTO      |
| CI-303 | 4- IV -75 | 1389-1390 | 23 <sup>0</sup> 56' N | 77 <sup>0</sup> 19' W | TOTO      |
| CI-305 | 4- IV -75 | 1346-1365 | 23 <sup>0</sup> 44' N | 76 <sup>0</sup> 51' W | TOTO      |
| CI-306 | 4- IV -75 | 1379-1408 | 24 <sup>0</sup> 06' N | 77 <sup>0</sup> 18' W | TOTO      |
| CI-307 | 5- IV -75 | 1307-1321 | 23 <sup>0</sup> 31' N | 76 <sup>0</sup> 57' W | TOTO      |
| CI-311 | 6- IV -75 | 1353-1360 | 23 <sup>0</sup> 38' N | 77 <sup>0</sup> 14' W | TOTO      |
| CI-312 | 6- IV -75 | 1348      | 23 <sup>0</sup> 36' N | 77 <sup>0</sup> 11' W | TOTO      |
| CI-315 | 7- IV -75 | 1517-1533 | 24 <sup>0</sup> 30' N | 77 <sup>0</sup> 22' W | TOTO      |
| CI-316 | 7- IV -75 | 1551-1567 | 24 <sup>0</sup> 24' N | 77 <sup>0</sup> 27' W | TOTO      |
| CI-317 | 7- IV -75 | 1554-1474 | 24 <sup>0</sup> 16' N | 77 <sup>0</sup> 20' W | TOTO      |
| CI-319 | 8- IV -75 | 1282-1295 | 23 <sup>0</sup> 33' N | 76 <sup>0</sup> 45' W | TOTO      |
| CI-320 | 8- IV -75 | 1319-1326 | 23 <sup>0</sup> 41' N | 76 <sup>0</sup> 43' W | TOTO      |
| CI-323 | 9- IV -75 | 1362-1364 | 23 <sup>0</sup> 40' N | 77 <sup>0</sup> 08' W | TOTO      |
| CI-324 | 9- IV -75 | 1333      | 23 <sup>0</sup> 31' N | 76 <sup>0</sup> 57' W | TOTO      |
| CI-325 | 9- IV -75 | 1311-1342 | 23 <sup>0</sup> 52' N | 76 <sup>0</sup> 57' W | TOTO      |
| CI-329 | 10- IV-75 | 1390      | 24 <sup>0</sup> 11' N | 77 <sup>0</sup> 18' W | TOTO      |
| CI-331 | 12- IV-75 | 1673-1682 | 24 <sup>0</sup> 32' N | 76 <sup>0</sup> 17' W | ES        |
| CI-332 | 12- IV-75 | 1624-1630 | 24 <sup>0</sup> 39' N | 76 <sup>0</sup> 27' W | ES        |
| CI-336 | 13- IV-75 | 1846-1851 | 23 <sup>0</sup> 48' N | 75 <sup>0</sup> 46' W | ES        |
| CI-340 | 15- IV-75 | 1746-1750 | 24 <sup>0</sup> 20' N | 76 <sup>0</sup> 00' W | ES        |
| CI-346 | 17- IV-75 | 2419-2426 | 22 <sup>0</sup> 55' N | 75 <sup>0</sup> 17' W | CB        |
| CI-351 | 20- IV-75 | 1509-1529 | 24 <sup>0</sup> 19' N | 77 <sup>0</sup> 21' W | (N)TOTO   |
| CI-353 | 21- IV-75 | 2977-3087 | 25 <sup>0</sup> 16' N | 77 <sup>0</sup> 39' W | S NE PCh. |

|        |            |           |                       |                       |         |
|--------|------------|-----------|-----------------------|-----------------------|---------|
| CI-354 | 19-VIII-75 | 1707-1742 | 24 <sup>0</sup> 34' N | 77 <sup>0</sup> 31' W | TOTO    |
| CI-355 | 20-VIII-75 | 1287-1351 | 24 <sup>0</sup> 10' N | 77 <sup>0</sup> 18' W | TOTO    |
| CI-356 | 20-VIII-75 | 1547-1561 | 24 <sup>0</sup> 23' N | 77 <sup>0</sup> 26' W | TOTO    |
| CI-357 | 20-VIII-75 | 1385-1388 | 23 <sup>0</sup> 55' N | 77 <sup>0</sup> 17' W | TOTO    |
| CI-358 | 20-VIII-75 | 1334-1352 | 23 <sup>0</sup> 38' N | 77 <sup>0</sup> 14' W | TOTO    |
| CI-360 | 21-VIII-75 | 1334-1342 | 23 <sup>0</sup> 38' N | 76 <sup>0</sup> 49' W | TOTO    |
| CI-361 | 21-VIII-75 | 1296-1304 | 23 <sup>0</sup> 30' N | 76 <sup>0</sup> 55' W | TOTO    |
| CI-365 | 22-VIII-75 | 1372      | 23 <sup>0</sup> 50' N | 77 <sup>0</sup> 14' W | TOTO    |
| CI-366 | 22-VIII-75 | 1360-1372 | 23 <sup>0</sup> 49' N | 77 <sup>0</sup> 06' W | TOTO    |
| CI-368 | 23-VIII-75 | 1342-1352 | 23 <sup>0</sup> 42' N | 76 <sup>0</sup> 52' W | TOTO    |
| CI-370 | 23-VIII-75 | 1267-1296 | 23 <sup>0</sup> 34' N | 76 <sup>0</sup> 43' W | TOTO    |
| CI-374 | 24-VIII-75 | 2908-3012 | 25 <sup>0</sup> 16' N | 77 <sup>0</sup> 42' W | NE PCh  |
| CI-375 | 24-VIII-75 | 3050      | 25 <sup>0</sup> 16' N | 77 <sup>0</sup> 37' W | NE PCh  |
| CI-376 | 26-VIII-75 | 1758-1767 | 23 <sup>0</sup> 55' N | 75 <sup>0</sup> 59' W | ES      |
| CI-377 | 26-VIII-75 | 1917      | 24 <sup>0</sup> 00' N | 75 <sup>0</sup> 46' W | ES      |
| CI-378 | 27-VIII-75 | 1746-1776 | 24 <sup>0</sup> 21' N | 76 <sup>0</sup> 04' W | ES      |
| CI-379 | 27-VIII-75 | 1645-1673 | 24 <sup>0</sup> 33' N | 76 <sup>0</sup> 17' W | ES      |
| CI-380 | 27-VIII-75 | 1635-1644 | 24 <sup>0</sup> 39' N | 76 <sup>0</sup> 26' W | ES      |
| CI-382 | 28-VIII-75 | 1763      | 23 <sup>0</sup> 57' N | 76 <sup>0</sup> 01' W | ES      |
| CI-383 | 28-VIII-75 | 1817-1844 | 23 <sup>0</sup> 50' N | 75 <sup>0</sup> 49' W | ES      |
| CI-384 | 28-VIII-75 | 1844      | 24 <sup>0</sup> 09' N | 76 <sup>0</sup> 55' W | ES      |
| CI-386 | 29-VIII-75 | 1917-1926 | 23 <sup>0</sup> 59' N | 75 <sup>0</sup> 46' W | ES      |
| CI-387 | 29-VIII-75 | 1758-1765 | 24 <sup>0</sup> 16' N | 76 <sup>0</sup> 16' W | ES      |
| CI-388 | 29-VIII-75 | 2133-2160 | 23 <sup>0</sup> 56' N | 75 <sup>0</sup> 32' W | ES      |
| CI-392 | 31-VIII-75 | 2241-2259 | 22 <sup>0</sup> 48' N | 75 <sup>0</sup> 38' W | CB      |
| CI-395 | 1- IX -75  | 2681-2690 | 22 <sup>0</sup> 01' N | 75 <sup>0</sup> 04' W | CB      |
| CI-399 | 2- IX -75  | 2577      | 22 <sup>0</sup> 29' N | 75 <sup>0</sup> 11' W | CB      |
| CI-400 | 3- IX -75  | 2681      | 21 <sup>0</sup> 59' N | 75 <sup>0</sup> 06' W | CB      |
| CI-402 | 4- IX -75  | 2398-2409 | 22 <sup>0</sup> 53' N | 75 <sup>0</sup> 27' W | CB      |
| CI-405 | 28-II- 76  | 1426-1502 | 24 <sup>0</sup> 28' N | 77 <sup>0</sup> 20' W | TOTO    |
| CI-407 | 29- II -76 | 1329-1342 | 23 <sup>0</sup> 53' N | 77 <sup>0</sup> 05' W | TOTO    |
| CI-409 | 29- II -76 | 1292-1301 | 23 <sup>0</sup> 37' N | 76 <sup>0</sup> 43' W | TOTO    |
| CI-410 | 29- II -76 | 1323      | 23 <sup>0</sup> 30' N | 76 <sup>0</sup> 51' W | TOTO    |
| CI-413 | 1- III- 76 | 1372      | 23 <sup>0</sup> 51' N | 77 <sup>0</sup> 13' W | TOTO    |
| CI-314 | 1- III -76 | 1360      | 23 <sup>0</sup> 40' N | 76 <sup>0</sup> 59' W | TOTO    |
| CI-415 | 1- III -76 | 1333-1342 | 23 <sup>0</sup> 33' N | 77 <sup>0</sup> 04' W | TOTO    |
| CI-417 | 2- III -76 | 1385-1389 | 23 <sup>0</sup> 52' N | 77 <sup>0</sup> 16' W | TOTO    |
| CI-418 | 2- III -76 | 1381-1390 | 23 <sup>0</sup> 50' N | 77 <sup>0</sup> 17' W | TOTO    |
| CI-425 | 4- III -76 | 2501-2537 | 25 <sup>0</sup> 16' N | 77 <sup>0</sup> 52' W | NE PCh. |
| CI-426 | 4- III -76 | 2651-2752 | 25 <sup>0</sup> 16' N | 77 <sup>0</sup> 49' W | NE PCh. |
| CI-427 | 4- III -76 | 250-350   | 25 <sup>0</sup> 09' N | 77 <sup>0</sup> 21' W | NE NPI  |
| CI-428 | 5- III -76 | 1953-2001 | 24 <sup>0</sup> 49' N | 77 <sup>0</sup> 41' W | TOTO    |
| CI-429 | 6- III -76 | 1833-1862 | 24 <sup>0</sup> 42' N | 77 <sup>0</sup> 37' W | TOTO    |
| CI-431 | 6- III -76 | 1474-1483 | 24 <sup>0</sup> 16' N | 77 <sup>0</sup> 22' W | TOTO    |
| CI-432 | 6- III -76 | 1408-1422 | 24 <sup>0</sup> 02' N | 77 <sup>0</sup> 21' W | TOTO    |
| CI-435 | 9- III -76 | 1375-1384 | 23 <sup>0</sup> 50' N | 77 <sup>0</sup> 16' W | TOTO    |

|        |             |           |                       |                       |      |
|--------|-------------|-----------|-----------------------|-----------------------|------|
| CI-436 | 9- III -76  | 1350-1360 | 23 <sup>0</sup> 36' N | 77 <sup>0</sup> 04' W | TOTO |
| CI-437 | 9- III -76  | 1333      | 23 <sup>0</sup> 32' N | 76 <sup>0</sup> 52' W | TOTO |
| CI-440 | 10- III -76 | 1221-1351 | 24 <sup>0</sup> 10' N | 77 <sup>0</sup> 17' W | TOTO |

Table 3: Areas Investigated by the R/V “*Columbus Iselin*”

|                               | Latitude range   | Longitude range  | Depth range   |
|-------------------------------|--|--|---|
| <b>Bahamas<br/>Region</b>     | 21 <sup>0</sup> 59' N [75 <sup>0</sup> 06 W]<br>26 <sup>0</sup> 45' N [79 <sup>0</sup> 07 W] | 75 <sup>0</sup> 04' W [22 <sup>0</sup> 01 N]<br>79 <sup>0</sup> 23' W [240 15 N]               | 50 m [23 <sup>0</sup> 43' N 77 <sup>0</sup> 08' W]<br>2830-2911 m [250 16' N 770 43' W]                                 |
| <b>Straits of<br/>Florida</b> | 23 <sup>0</sup> 56' N [81 <sup>0</sup> 55W]<br>26 <sup>0</sup> 75' N [79 <sup>0</sup> 46' W] | 79 <sup>0</sup> 19' W [24 <sup>0</sup> 58' N]<br>82 <sup>0</sup> 38' W [24 <sup>0</sup> 07' N] | 37-50 m. [24 <sup>0</sup> 07' N - 82 <sup>0</sup> 38' W]<br>1659-1670 m [23 <sup>0</sup> 36' N - 82 <sup>0</sup> 06' W] |



Tabla 4. Number of stations in sampling areas where species were collected by the R/V "Columbus Iselin" on the Bahamas Region and Straits of Florida 1972-1976.

|                                  | Columbus Basin | Exuma Sound | Tonque of the Ocean | Northeast Providence Channel | New Providence Id. | Grand Bahama Id | Great Bahama Bank | Straits of Florida | Total # of Stations | Total # of Specimens |
|----------------------------------|----------------|-------------|---------------------|------------------------------|--------------------|-----------------|-------------------|--------------------|---------------------|----------------------|
| <b>Aristeidae</b>                |                |             |                     |                              |                    |                 |                   |                    |                     |                      |
| <i>Aristaeopsis edwardsiana</i>  | ----           | ----        | 2                   | ----                         | ----               | ----            | ----              | ----               | 2                   | 5                    |
| <i>Aristeus antillensis</i>      | ----           | ----        | ----                | ----                         | ----               | ----            | (NE) 1            | ----               | 1                   | 1                    |
| <i>Hemipenaeus carpenteri</i>    | 3              | 12          | 14                  | 2                            | ----               | ----            | ----              | ----               | 31                  | 44                   |
| <i>Hemipenaeus spinidorsalis</i> | ----           | 2           | 3                   | ----                         | ----               | ----            | ----              | ----               | 5                   | 11                   |
| <i>Hepomadus tener</i>           | 1              | 3           | 17                  | 3                            | ----               | ----            | ----              | ----               | 24                  | 27                   |
| <i>Plesiopenaeus armatus</i>     | 2              | 2           | 2                   | (3S) 4                       | ----               | ----            | ----              | ----               | 10                  | 25                   |
| <i>Plesiopenaeus coruscans</i>   | 2              | 2           | 10                  | ----                         | (NE) 1             | ----            | ----              | ----               | 15                  | 16                   |
| <b>Benthescymidae</b>            |                |             |                     |                              |                    |                 |                   |                    |                     |                      |
| <i>Benthescymus bartletti</i>    | 3              | 22          | 103                 | 3                            | (2NE) 4            | (NW) 1          | (W) 1             | 1                  | 138                 | 467                  |
| <i>Benthescymus carinatus</i>    | ----           | 1           | 10                  | 2                            | ----               | ----            | ----              | 1                  | 14                  | 26                   |
| <i>Benthescymus cf. cereus</i>   | 1              | 13          | 2                   | (1S) 2                       | ----               | ----            | ----              | ----               | 18                  | 70                   |
| <i>Benthescymus cf. crenatus</i> | ----           | ----        | 3                   | ----                         | ----               | ----            | ----              | 1                  | 4                   | 26                   |
| <i>Gennadas bouvieri</i>         | ----           | ----        | 1                   | ----                         | ----               | ----            | ----              | 3                  | 4                   | 17                   |
| <i>Gennadas capensis</i>         | ----           | 1           | ----                | 1                            | ----               | ----            | ----              | 1                  | 3                   | 4                    |
| <i>Gennadas valens</i>           | ----           | (1NE)3      | 1                   | ----                         | ----               | ----            | ----              | 3                  | 7                   | 9                    |
| <b>Penaecidae</b>                |                |             |                     |                              |                    |                 |                   |                    |                     |                      |
| <i>Funchalia villosa</i>         | ----           | 1           | 1                   | ----                         | ----               | ----            | ----              | 2                  | 4                   | 4                    |
| <i>Parapenaeus americanus</i>    | ----           | ----        | ----                | ----                         | ----               | (S;NW) 2        | (NW) 1            | ----               | 3                   | 33                   |

|                                |      |           |      |      |      |      |        |      |    |     |
|--------------------------------|------|-----------|------|------|------|------|--------|------|----|-----|
| <b>Solenoceridae</b>           |      |           |      |      |      |      |        |      |    |     |
| <i>Hadropenaeus affinis</i>    | ---- | ----      | ---- | ---- | ---- | ---- | (NW) 1 | ---- | 1  | 4   |
| <i>Hymenopenaeus aphoticus</i> | ---- | 12        | 40   | ---- | ---- | ---- | ----   | 1-   | 53 | 173 |
| <i>Hymenopenaeus laevis</i>    | ---- | 2         | ---- | ---- | ---- | ---- | ----   | ---- | 2  | 4   |
| <i>Mesopenaeus tropicalis</i>  | ---- | ----      | ---- | ---- | ---- | ---- | (NW) 1 | ---- | 1  | 5   |
| <i>Pleoticus robustus</i>      | ---- | ----      | ---- | ---- | ---- | ---- | ----   | 2    | 2  | 8   |
| <b>Sergestidae</b>             |      |           |      |      |      |      |        |      |    |     |
| <i>Sergestes armatus</i>       | ---- | 2         | 1    | 1    | ---- | ---- | ----   | 2    | 6  | 12  |
| <i>Sergestes atlanticus</i>    | ---- | 1         | ---- | ---- | ---- | ---- | ----   | 4    | 5  | 5   |
| <i>Sergestes corniculum</i>    | ---- | ----      | 1    | ---- | ---- | ---- | ----   | ---- | 1  | 1   |
| <i>Sergestes curvatus</i>      | ---- | 1         | 2    | 2    | ---- | ---- | ----   | 1    | 6  | 9   |
| <i>Sergestes diapontius</i>    | ---- | ----      | 1    | ---- | ---- | ---- | ----   | 3    | 4  | 6   |
| <i>Sergestes edwardsi</i>      | ---- | ----      | ---- | 1    | ---- | ---- | ----   | 2    | 3  | 3   |
| <i>Sergestes cf. halia</i>     | ---- | (N) 1     | ---- | ---- | ---- | ---- | ----   | ---- | 1  | 1   |
| <i>Sergestes henseni</i>       | ---- | 1         | 2    | ---- | ---- | ---- | ----   | 2    | 5  | 5   |
| <i>Sergestes cf. nudus</i>     | ---- | ----      | 1    | ---- | ---- | ---- | ----   | ---- | 1  | 1   |
| <i>Sergestes paraseminudus</i> | ---- | 1         | 4    | ---- | ---- | ---- | ----   | 6    | 11 | 38  |
| <i>Sergestes pectinatus</i>    | ---- | ----      | ---- | ---- | ---- | ---- | ----   | 2    | 2  | 3   |
| <i>Sergestes sargassi</i>      | ---- | 1         | 3    | ---- | ---- | ---- | ----   | ---- | 4  | 6   |
| <i>Sergestes vigilax</i>       | ---- | ----      | ---- | ---- | ---- | ---- | ----   | 1    | 1  | 3   |
| <i>Sergia creber</i>           | ---- | ----      | 1    | ---- | ---- | ---- | ----   | 4    | 5  | 7   |
| <i>Sergia grandis</i>          | ---- | 1 (NE) 12 | 22   | 2    | ---- | ---- | ----   | 4    | 40 | 50  |
| <i>Sergia mollis</i>           | ---- | 1         | 1    | ---- | ---- | ---- | ----   | ---- | 2  | 2   |
| <i>Sergia regalis</i>          | ---- | (NE) 1    | ---- | ---- | ---- | ---- | ----   | ---- | 1  | 2   |
| <i>Sergia splendens</i>        | ---- | (1NE) 5   | 3    | 2    | ---- | ---- | ----   | 8    | 18 | 129 |
| <i>Sergia tenuiremis</i>       | ---- | ----      | 1    | ---- | ---- | ---- | ----   | ---- | 1  | 1   |
| <i>Sergia wolffi</i>           | ---- | ----      | 4    | ---- | ---- | ---- | ----   | 2    | 6  | 6   |

Table 5. Bathymetric distribution of species collected by the R/V "Columbus Iselin" on the Bahamas Region and Straits of Florida 1972-1976

| Species Name   | Number Stations | Number. specimens | Depth range             | Sampling Area                              | Stations   |
|--|-----------------|-------------------|-------------------------|--|--|
| <b>ARISTIDAE</b><br><i>Aristaeopsis edwardsiana</i><br>(Johnson, 1867) | 2               | 5                 | 658-666 ---- 1390 m     | TOTO                                       | CI- 329, 1390 m; CI-358, 1334-1352 m   |
| <i>Aristeus antillensis</i><br>A. Milne Edwards and Bouvier,<br>1909   | 1               | 1                 | 658-666 m               | NE G.B.B.                                  | CI-27, 658-666 m   |
| <i>Hemipenaeus carpenteri</i><br>Wood Mason, 1891                      | 31              | 44                | 225 ---- 2780-2891 m    | C. B 3<br>E. S. 12<br>TOTO 14<br>NE P Ch 2 | CI-73, 1792 m; CI-76, 1582-1591 m; CI-85, 1510-1545 m; CI-103, 1423-1450 m; CI-106, 1261-1311 m; CI-110, 1364 m; CI-126, 1860-1884 m; CI-150, 1355-1360 m; CI-160, 1360-1364 m; CI-167, 1506-1523 m; CI-168, 1570-1584 m; CI-169, 1737-1748 m, CI-171, 1940-2074 m; CI-172, 2780-2891 m; CI-178, 1794 m; CI-183, 1801-1814 m; CI-184, 2184-2193 m; CI- 190, 225 m; CI-192, 1760-1776 m; CI-193, 1739-1756 m; CI-253, 1328-1337 m; CI-274, 1701 m; CI-279, 1823-1853 m; CI-331, 1673-1682 m; CI-346, 2419-2426 m; CI-354, 1707-1742 m; CI-387, 1758-1765 m; CI-399, 2577m; CI-402, 2398-2409 m; CI-426, 2651-2752 m; CI-431, 1474-1483 m. |
| <i>Hemipenaeus spinidorsalis</i> Bate,<br>1881                         | 5               | 11                | 1287-1351 ---- 2074 m   | E. S. 2<br>TOTO 3                          | CI-171, 1940-2074 m; CI-176, 1632 m; CI-183, 1801-1814 m; CI-323, 1362-1364 m; CI-355, 1287-1351 m.  |
| <i>Hepomadus tener</i> Smith, 1884                                     | 24              | 27                | 1261-1302 - 2977-3087 m | CB. 1<br>E.S 3<br>TOTO 17<br>NE P Ch 3     | CI-57, 1400-1409 m; CI-85, 1510-1545 m; CI-103, 1423-1450 m; CI-106, 1261-1311 m; CI-113, 1368 m; CI-159, 1339-1352 m; CI-165, 1426-1435 m; CI-167, 1506-1523 m; CI-182 1758-1780 m; CI-192, 1760-1776 m; CI-316, 1551-1567 m; CI-324, 1333 m; CI-353, 2977-3087 m; CI-355, 1287-1351 m; CI-360, 1334-1342 m; CI-365, 1372 m; CI-370, 1267-1296 m; CI-378, 1746-1776 m; CI-400, 2681 m; CI- 407, 1329-1342 m; CI-414, 1360 m; CI- 425, 2501-2537; CI- 426,   |

|  |    |    |                          |   |  |
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|  |    |    |                          |   | 2651-2752 m; CI- 437, 1333 m.<br><br>This species was collected at a depth of 4031 m by the R/V "Pillsbury" on station 1426 at 20° 59' N, 72° 27' W  |
| <i>Plesiopenaeus armatus</i> (Bate, 1881)            | 10 | 25 | 750-850 ---- 3219-3237 m | CB 2<br>E S 2<br>TOTO 2<br>NE PCh (3 S) 4 | CI-33, 3219-3227 m; CI-45, 780-850 m; CI-172, 2780-2891 m; CI-280, 2347-2360 m; CI-346, 2419-2426 m; CI-353, 2977-3087 m; CI-361, 1296-1304 m; CI-377, 1917 m; CI-392, 2241-2259 m; CI-426, 2651-2752 m.   |
| <i>Plesiopenaeus coruscans</i><br>(Wood-Mason, 1891) | 15 | 16 | 250-350 ---- 2241-2259 m | C B 2<br>E S 2<br>TOTO 10<br>NE NPI 1     | CI-150, 1355-1360 m; CI-153, 1313-1314 m; CI-163, 1342-1348 m; CI-167, 1506-1523 m; CI-192, 1760-1776 m, CI-258, 1359-1360 m; CI-311, 1353-1360 m; CI-331, 1673-1682 m; CI-370, 1267-1296 m; CI-392, 2241 -2259 m; CI-402, 2398-2409 m; CI-409, 1292-1301 m; CI-417, 1385-1389 m; CI-427, 250-350 m; CI-437, 1333 m. |

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|---|-----|-----|----------------------|--|---|
| <p><b>BENTHESICYMIDAE</b></p> <p><i>Benthesicymus bartletti</i><br/>Smith, 1882</p> | 138 | 467 | 50 -- 2908 – 3012 m. | <p>C B 3<br/>E S 22<br/>TOTO 103<br/>NE PCh 3<br/>NPI (2NE) 4<br/>GBI (NW) 1<br/>GBB (W) 1<br/>S of Fl 1</p> | <p>CI-9, 1318-1329 m; CI-11, 1170-1180 m; CI-12, 1290-1302 m; CI-14, 1246-1371 m; CI-22, 485-612 m; CI-24, 1710-1719 m; CI-32, 3017-3045 m; CI-36, 290 m; CI-37, 512-540 m; CI-40, 1307-1317 m; CI-42, 1298 m; CI-46, 1234-1280 m; CI-48, 1390 m; CI-51, 1290 m; CI-54, 1298-1335 m; CI-55, 1353 m; CI-57, 1400-1409 m; CI-69, 1100 m; CI-72, 1884 m; CI-75, 1737 m; CI-84, 741-805 m; CI-85, 1510-1545 m; CI-97, 2679-2816 m; CI-101, 1584-1604 m; CI-103, 1423-1450 m; CI-106, 1261-1311 m; CI-114, 1334-1342 m; CI-115, 1307-1324 m; CI-122, 1428-1439 m; CI 125, 1485-1507 m; CI-126, 1860-1884 m; CI-143, 1754-1856 m; CI-144, 1483-1506 m; CI-145, 1430-1447 m; CI-147, 1337-1378 m; CI-148, 1333-1379 m; CI-149, 1387-1390 m; CI-150, 1355-1360 m; CI-151, 1301-1315 m; CI-153, 1313-1314 m; CI-154, 1311 m; CI-156, 1330-1334 m; CI-159, 1339-1352 m; CI-160, 1360-1364 m; CI-161, 1364-1370; CI-163, 1342-1348 m; CI-164, 1372 m; CI-167, 1506-1523 m; CI-168, 1570-1584 m; CI-169, 1737-1748 m; CI-175, 1701-1707 m; CI-176, 1632 m; CI-178, 1794 m; CI-183, 1801--1814 m; CI-184, 2184-2193 m; CI-187, 1880-1895 m; CI-191, 1779-1840 m; CI-192, 1760-1776 m; CI-203, 500-550 m; CI-225, 70-250 m; CI-240, 325-345 m; CI-250, 1277-1305 m; CI-251, 1315 m; CI-252, 1322-1332 m; CI-253, 1328-1337 m; CI-256, 1360 m; CI-257, 50 m; CI-260, 1355-1357 m; CI-261, 1351-1355 m; CI-268, 1487-1492 m; CI-269, 1430-1440 m; CI-270, 1538-1561 m; CI-274, 1701 m; CI-280, 2347-2360 m; CI-282, 1902-1908 m; CI-287, 1741-1748 m; CI-300, 1360--1372 m; CI-301, 1269-1304 m; CI-302, 1452-1465 m; CI-303, 1389-1390 m; CI-307, 1307-1321 m; CI-311, 1353-1360 m; CI-312, 1348 m; CI-316, 1551-1567 m; CI-317, 1554-1474 m; CI-319, 1282-1295 m; CI-320, 1319-1326 m; CI-323, 1362-1364 m; CI-324, 1333 m; CI-325, 1311-1342 m; CI-329, 1390 m; CI-332, 1624-1630 m; CI-336, 1846-1851 m; CI-340, 1746-1750 m; CI-351, 1509-1529 m; CI-354, 1707-1742 m; CI-355, 1287-1351 m; CI-356, 1547-1561 m; CI-357, 1385-1388 m; CI-358, 1334-1352 m; CI-360, 1334-1342 m; CI-361, 1296-1304 m; CI-365, 1372 m;</p> |
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|--|----|----|----------------------------|--|---|
|  |    |    |                            |  | CI-366, 1360-1372 m; CI- 368, 1342-1352 m; CI-370, 1267-1296 m; CI-374, 2908-3012 m; CI-376, 1758-1767 m; CI-379, 1645-1673 m; CI-380, 1635-1644 m; CI-382, 1763 m; CI-387, 1758-1765 m; CI-392, 2241-2259 m; CI-395, 2681-2690 m; CI-402, 2398-4009 m; CI-405, 1426-1502 m; CI-407, 1329-1342 m; CI-413, 1372 m; CI-415, 1333-1342 m; CI-417, 1385-1389 m; CI-418, 1381-1390 m; CI-427, 250-350 m; CI-428, 1953-2001 m; CI-429, 1833-1862 m; CI-431, 1474-1483 m; CI-435, 1375-1384 m; CI-436, 1350-1360 m; CI-437, 1333 m; CI-440, 1221-1351 m. |
| <i>Benthesicymus carinatus</i> Smith, 1884         | 14 | 26 | 1350-1360 - 2651-2752 m    | ES 1<br>TOTO 10<br>NE PCh 2<br>S of FL 1 | CI-101, 1584-1604 m; CI-113, 1368 m; CI-122, 1428-1439 m; CI-144, 1483-1506 m; CI-197, 1659-1670 m; CI-351, 1509-1529 m; CI-357, 1385-1388 m; CI-365, 1372 m; CI-379, 1645-1673 m; CI- 413, 1372 m; CI-418, 1381-1390 m; CI-425, 2501-2537 m; CI-426, 2651-2752 m; CI-436, 1350-1360 m.   |
| <i>Benthesicymus cf cereus</i><br>Burkenroad, 1936 | 18 | 70 | 1389-1390 ---- 2830-2911 m | CB 1<br>ES 13<br>TOTO 2<br>NE PCh (1S) 2 | CI-70, 1673-1682 m; CI-72, 1884 m; CI-73, 1792 m; CI-75, 1737 m; CI-78, 1682-1701 m; CI-144, 1483-1506 m; CI-175, 1701-1707 m; CI-183, 1801-1814 m; CI-184, 2184-2193 m; CI-187, 1880-1895 m; CI-193, 1739-1756 m; CI-281, 2113 -2169 m; CI-288, 2830-2911 m; CI-303, 1389-1390 m; CI-386, 1917-1926 m; CI-388, 2133-2160 m; CI-400, 2681 m; CI-426, 2651-2752 m.   |
| <i>Benthesicymus cf crenatus</i><br>Bate, 1881     | 4  | 26 | 1319-1326 ---- 1659-1670 m | TOTO 3<br>S of FL 1                      | CI-144, 1483-1506 m; CI-197, 1659-1679 m; CI-305, 1346-1365 m; CI-320, 1319-1326 m.   |

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| <i>Gennadas bouvieri</i> Kemp, 1909                  | 4  | 17 | 550-625 -- 900-950 m          | TOTO 1<br>S of FL 3                      | CI-52, 850 m; CI-204, 900-950 m; CI-209, 550-625 m; CI-233, 625-750 m.   |
| <i>Gennadas capensis</i> Calman, 1925                | 3  | 4  | 550-625 ----<br>12003-12085 m | ES 1<br>NE PCh 1<br>S of FL 1            | CI-98, 900-920 m; CI-180, 1200-1208 m; CI-209, 550-625 m.  |
| <i>Gennadas valens</i><br>(Smith, 1884)              | 7  | 9  | 37-50 ---- 3244-3394 m        | ES 3<br>TOTO 1<br>S of FL 3              | CI-89, 1938-1966 m; CI-180, 1200-1208 m; CI-189, 500 m; CI-194, 400-550 m; CI-197, 1659-1670 m; CI-202, 37-50 m; CI-209, 550-625 m.  |
| <i>Plesiopenaeus coruscans</i><br>(Wood-Mason, 1891) | 15 | 16 | 250-350 ---<br>2241-2259 m    | CB 2<br>ES 2<br>TOTO 10<br>NPI (NE) 1    | CI-150, 1355-1360 m; CI-153, 1313-1314 m; CI-163, 1342-1348 m; CI-167, 1506-1523 m; CI-192, 1760-1776 m, CI-258, 1359-1360 m; CI-311, 1353-1360 m; CI-331, 1673-1682 m; CI-370, 1267-1296 m; CI-392, 2241 -2259 m; CI-402, 2398-2409 m; CI-409, 1292-1301 m; CI-417, 1385-1389 m; CI-427, 250-350 m; CI-437, 1333 m. |
| <i>Benthesicymus carinatus</i><br>Smith, 1884        | 14 | 26 | 1350-1360 ----<br>2651-2752 m | ES 1<br>TOTO 10<br>NE PCh 2<br>S of FL 1 | CI-101, 1584-1604 m; CI-113, 1368 m; CI-122, 1428-1439 m; CI-144, 1483-1506 m; CI-197, 1659-1670 m; CI-351, 1509-1529 m; CI-357, 1385-1388 m; CI-365, 1372 m; CI-379, 1645-1673 m; CI-413, 1372 m; CI-418, 1381-1390 m; CI-425, 2501-2537 m; CI-426, 2651-2752 m; CI-436, 1350-1360 m.                               |

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|   |    |     |                                |                               |   |
| <i>Benthesicymus cf crenatus</i><br>Bate, 1881                          | 4  | 26  | 1319-1326 ---- 1659-<br>1670 m | TOTO 3<br>S of FL 1           | CI-144,<br>1483-1506 m; CI-197, 1659-1679 m; CI-305,<br>1346-1365 m; CI-320, 1319-1326 m.   |
| <i>Gennadas valens</i><br>(Smith, 1884)                                 | 7  | 9   | 37-50 ---- 3244-3394 m         | ES 3<br>TOTO 1<br>S of FL 3   | CI-89,<br>1938-1966 m; CI-180, 1200-1208 m; CI-189, 500<br>m; CI-194, 400-550 m; CI-197, 1659-1670 m;<br>CI-202, 37-50 m; CI-209, 550-625 m.  |
| <b>PENAEIDAE</b><br><i>Funchalia villosa</i><br>(Bouvier, 1905)         | 4  | 4   | 250-260 ---- 1298-1399<br>m    | ES 1<br>TOTO 1<br>S of FL 2   | CI-20, 1298-1399 m; CI-185, 1230-1240 m; CI<br>228, 867 m; CI-233, 500 m.   |
| <i>Parapenaeus americanus</i><br>Rathbun                                | 3  | 33  | 325-345 ---- 448-466 m         | GBI (S; NW) 2<br>GBB (NW) 1   | CI-138, 448-466 m; CI-139, 353-358 m; CI-240,<br>325-345 m.   |
| <b>SOLENO CERIDAE</b><br><i>Hadropenaeus affinis</i><br>(Bouvier, 1906) | 1  | 4   | 353-358 m                      | GBB (NW) 1                    | CI-139, 353-358 m.  |
| <i>Hymenopenaenus aphoticus</i><br>Burkenroad, 1936                     | 53 | 173 | 1234-1280 -<br>2184-2193 m     | ES 12<br>TOTO 40<br>S of FL 1 | CI-40, 1307-1317 m; CI-41, 1298 m; CI-46,<br>1234-1280 m; CI-51, 1290 m; CI-54, 1298-1335<br>m; CI-57, 1400-1409 m; CI-60, 1536-1545 m;<br>CI-76, 1582-1591 m; CI-85, 1510-1545 m; CI-<br>103, 1423-1450 m; CI-106, 1261-1311 m; CI-<br>110, 1364 m; CI-122, 1428-1439 m; CI 125,<br>1485-1507 m; CI-144, 1483-1506 m; CI-145,<br>1430-1447 m; CI-149, 1387-1390 m; CI-151,<br>1301-1315 m; CI-154, 1311 m; CI-159, 1339-<br>1352 m; CI-163, 1342-1348 m; CI-168, 1570-<br>1584 m; CI-169, 1737-1748 m, CI-175, 1701-<br>1707 m; CI-182, 1758-1780 m; CI-184, 2184-<br>2193 m; CI-191, 1779-1840 m; CI-192, 1760- |



|  |   |   |                            |                                 |  |
|--|---|---|----------------------------|---------------------------------|--|
|  |   |   |                            |                                 | 1776 m; CI-193, 1739-1756 m; CI-197, 1659-1670 m; CI-252, 1322-1332 m; CI-261, 1351-1355 m; CI-269, 1430-1440 m; CI-299, 1762-1794 m; CI-305, 1346-1365 m; CI-306, 1379-1408 m; CI-307, 1307-1321 m; CI-315, 1517-1533 m; CI-320, 1319-1326 m; CI-323, 1362-1364 m; CI-324, 1333 m; CI 329, 1390 m; CI-340, 1746-1750 m; CI-354, 1707-1742 m; CI-356, 1547-1561 m; CI-365, 1372 m; CI-370, 1267-1296 m; CI-379, 1645-1673 m; CI-382, 1763 m; CI-383, 1817-1844 m; CI-387, 1758-1765 m; CI-407, 1329-1342 m; CI-414, 1360 m; CI-432, 1408-1422 m. |
| <i>Hymenopenaeus laevis</i><br>(Bate, 1981)      | 2 | 4 | 1779-1840 - 2184-2193<br>m | ES 2                            | CI-184, 2184-2193 m; CI- 191, 1779-1840 m.<br><br>This species was previously collected at a depth of 5182 m by the R/V at "Pillsbury" on station 1376, 20 <sup>0</sup> 45' W, 65 <sup>0</sup> 01'W  |
| <i>Mesopenaeus tropicalis</i><br>(Bouvier, 1905) | 1 | 5 | 353-358 m                  | GBB (NW) 1                      | CI-139, 353-358 m.   |
| <i>Pleoticus robustus</i><br>(Bouvier, 1905)     | 2 | 8 | 329-362 --<br>743-761 m    | S of FL (2 off<br>Palm Beach) 3 | CI-142, 329-362 m; CI-233, 625-750m; CI-246, 743-761 m.  |

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|---|---|----|--------------------|---|--|
| <b>SERGESTIDAE</b><br><i>Sergestes armatus</i> Kroyer, 1855 | 6 | 12 | 125- 2524-2615 m   | ES 2<br>TOTO 1<br>NE PCh 1<br>S of FL 2 | CI-90, 600-640 m; CI-96, cf 2524-2615 m; CI-189, 500 m; CI-194, 400-550 m; CI-200, 130-135 m, CI-214, 125 m.     |
| <i>Sergestes atlanticus</i><br>H. Milne Edwards, 1830       | 5 | 5  | 50 -- 1200-1208 m  | ES 1<br>S of FL 4                       | CI-180, 1200-1208 m; CI-200, 130-135 m; CI-208, 50 m; CI-209, 550-625 m; CI-233, 625-750 m.                      |
| <i>Sergestes cornutus</i><br>(Krøyer, 1855)                 | 1 | 1  | 1554-1573 m        | TOTO 1                                  | CI-21, 1554-1573 m   |
| <i>Sergestes curvatus</i><br>Crosnier and Forest, 1973      | 6 | 9  | 34--- 3054-3164 m  | ES 1<br>TOTO 2<br>NE PCh 2<br>S of FL 1 | CI-25, 1948-2012 m; CI-31, 3054-3164 m; CI-56, cf 1380-1399 m; CI-64, 340 m; CI-133, 1000-1250 m; CI-234, 500 m. |
| <i>Sergestes diapontius</i> (Bate, 1881)                    | 4 | 6  | 50 -- 1948-2012 m  | TOTO 1<br>S of FL 3                     | CI-25, 1948-2012 m; CI-208, 50 m; CI-219, 450 m; CI-233, 625-750 m.  |
| <i>Sergestes edwardsi</i> Krøyer, 1855                      | 3 | 3  | 50 ---- 900-920 m. | NE PCh 1<br>S of FL 2                   | CI-98, 900-920 m; CI-208, 50 m; CI-233, 625-750 m.   |
| <i>Sergestes cf halia</i> Faxon, 1893                       | 1 | 1  | 400-550 m          | ES (N)1                                 | CI-194, 400-550 m.   |

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| <i>Sergestes hensni</i><br>(Ordmann, 1893)                  | 5  | 5  | 125 ---- 1380-1399 m        | ES 1<br>TOTO 2<br>S of FL 2                     | CI-56, 1380-1399 m; CI-90, 600-640 m; CI-180, 1200-1208 m; CI-209, 550-625 m; CI-221, 125 m.  |
| <i>Sergestes cf nudus</i> Illig, 1914                       | 1  | 1  | 1938-1966 m                 | TOTO 1  | CI-89, 1938-1966 m.   |
| <i>Sergestes paraseminudus</i><br>Crosnier ans Forest, 1973 | 11 | 38 | 250-260 ----<br>1492-1516 m | ES 1<br>TOTO 4<br>S of FL 6                     | CI-20, 1298-1399 m; CI-45, 780-850 m; CI-82, 1000 m; CI-166, cf 1492-1516 m; CI-189, 500 m; CI-200 cf, 130-135 m; CI-208, cf 50 m; CI-209, 550-625 m; CI-224, 105-180 m; cf CI-228, cf 250-260 m; CI-233, 625-750 m.  |
| <i>Sergestes pectinatus</i> Sund, 1920                      | 2  | 3  | 50-100 ----<br>430-455 m    | S of FL 2                                       | CI-218, 430-455 m; CI-230, 50-100 m.  |
| <i>Sergestes sargassi</i> Ortmann,<br>1893                  | 4  | 6  | 600-640 ----<br>1570-1584 m | ES 1<br>TOTO 3                                  | CI-56, 1380-1399 m; CI-69, 1100 m; CI-90, 600-640 m; CI-168, 1570-1584 m.   |
| <i>Sergestes vigilax</i> Stimpson, 1860                     | 1  | 3  | 125 m                       | S of FL 1                                       | CI-214, 125 m.  |
| <i>Sergia grandis</i> (Sund, 1920)                          | 40 | 50 | 350-425----<br>3054-3164 m  | ES (INE) 12<br>TOTO 21<br>NE PCh 2<br>S of FL 4 | CI-21, 1554-1573 m; CI-31, 3054-3164 m; CI-41, 1298 m; CI-45, 780-850 m; CI-63, 910 m; CI-64, 340 m; CI-69, 1100 m; CI-75, 1737 m; CI-85, 1510-1545 m, CI-89, 1938-1966 m; CI-90, 600-640 m; CI-103, 1423-1450 m; CI-118, 400-465 m; CI-119, 350-425 m; CI-122, 1428-1439 m; CI-140, 732-738 m; CI-149, 1387-1390 m; CI-180, 1200-1208 m; CI-181, 600-650 m; CI-184, 2184-2193 m; CI-189, 500 m; CI-193, 1739-1756 m; CI-194, 400-550 m; CI-198, 1315-1500 m; CI-199, 1543-1582 m; CI-233, 625-750 m; CI- |

|   |    |     |                            |  |   |
|---|----|-----|----------------------------|--|---|
|   |    |     |                            |  | 249, 1372 m; CI-250, 1277-1305 m; CI-258, 1359-1360 m; CI-271, 1481-1502 m; CI-303, 1389-1390 m; CI-311, 1353-1360 m; CI-375, 3050 m; CI-354, 1707-1742 m; CI-378, 1746-1776 m; CI-384, 1844 m; CI-410, 1323 m; CI-415, 1333-1342 m; CI-432, 1408-1422 m.   |
| <i>Sergia mollis</i> (Smith, 1840)      | 2  | 2   | 1200-1208 ---- 1554-1573 m | ES 1<br>TOTO 1                               | CI-21, 1554-1573 m; CI-180, 1200-1208 m.  |
| <i>Sergia regalis</i> (Gordon, 1939)    | 6  | 9   | 400-550 m - 780-850 m      | ES (NE) 1<br>TOTO 1<br>S of FL 4             | CI-45, 780-850 m; CI-140, 732-738 m; CI-194, 400-550 m; CI-209, 550-625 m; CI-233, 625-750 m; CI-234, 500 m.  |
| <i>Sergia splendens</i> (Sund, 1920)    | 18 | 129 | 125-----1938-1966 m        | ES (IN) 5<br>TOTO 3<br>NE PCh 2<br>S of FL 8 | CI-20, 1298-1399 m; CI-45, 780-850 m; CI-69 1100 m; CI-89, 1938-1966 m; CI-98, 900-920 m; CI-133, 1000-1250 m; CI-180, 1200-1208 m; CI-181, 600-650 m; CI-189, 500 m; CI-194, 400-550 m; CI-200, 130-135 m; CI-206, 80 m; CI-208, 50 m; CI-209, 550-625 m; CI-221, 125 m; CI-228, 250-260 m; CI-233, 625-750 m; CI-234, 500 m |
| <i>Sergia tenuiremus</i> (Krøyer, 1855) | 1  | 1   | 1938-1966 m                | TOTO 1                                       | CI-89, 1938-1966 m.   |
| <i>Sergia wolffi</i> Vereshchaka, 1994  | 6  | 6   | 125----<br>1719-1746 m     | TOTO 4<br>S of FL 2                          | CI-40, 1307-1317 m; CI-87, 1719-1746 m; CI-157, 1314 m; CI-197, 1659-1670 m; CI-221, 125 m; CI-264, 1335-1362 m.  |

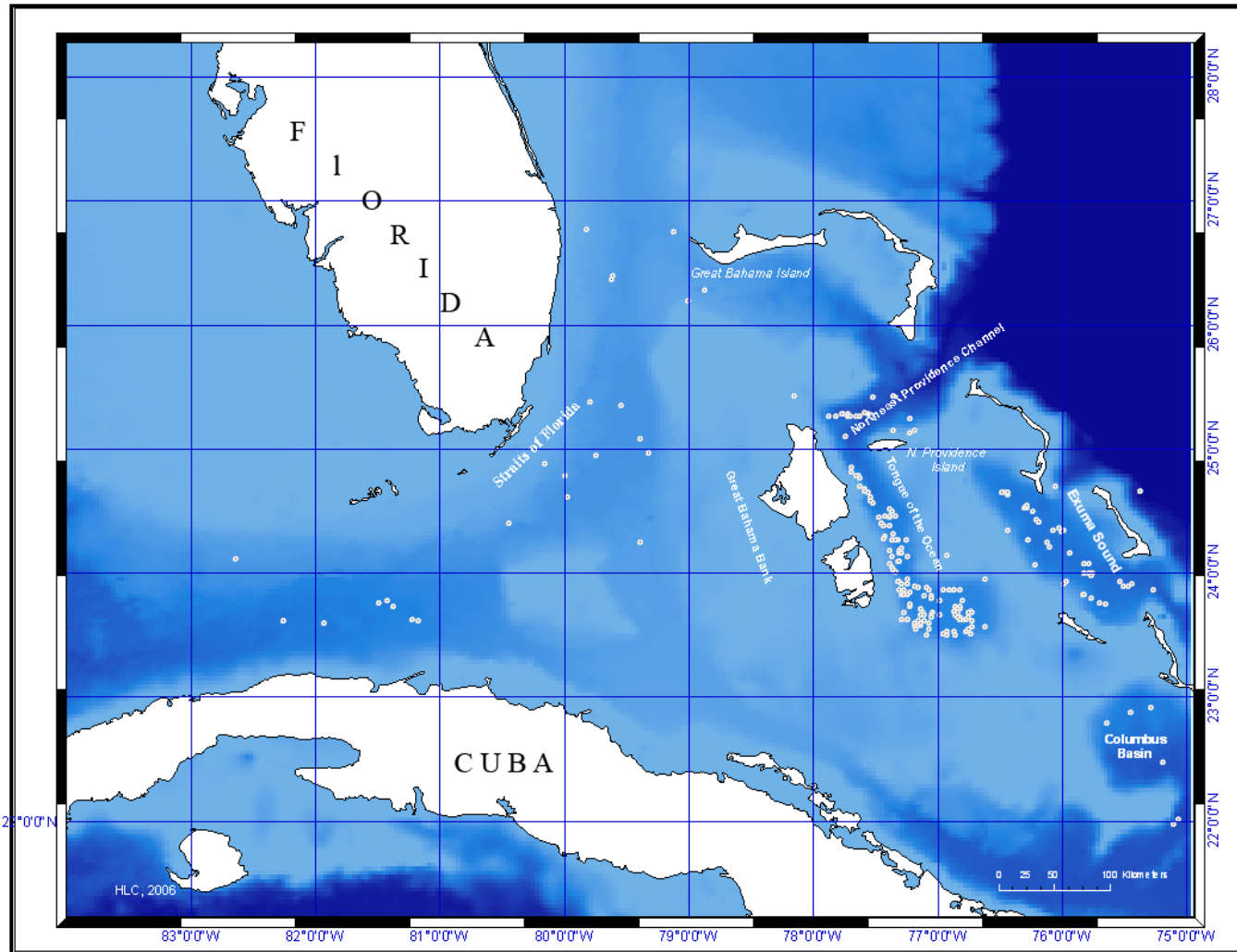


Fig. 1. Sampling area for Deep Sea Penaeoid and Sergestoid Shrimps collected by the R/V *Columbus Iselin* on the Bahamas Region, and Straits of Florida 1972-1976.