

**South Florida Gulf Benthic Community Assessment,  
August 2000**

**SUBMITTED TO:**

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## INTRODUCTION

The South Florida Gulf (SFG) region was sampled during August, 2000. One aspect of this evaluation was benthic community characterization, which was accomplished via sample collection by National Oceanic and Atmospheric Administration (NOAA) personnel and laboratory and data analysis by Barry A. Vittor & Associates, Inc. (BVA).

The 2000 SFG region sampling stations are indicated in Figure 1.

## METHODS

### *Sample Collection And Handling*

A Young-modified Van Veen grab (area = 0.04 m<sup>2</sup>) was used to collect bottom samples (three replicate samples were taken at each station except at Station 88) at each of 102 SFG stations. Macroinfaunal samples were sieved through a 0.5-mm mesh screen and preserved with 10% formalin on ship. Macroinfaunal samples were transported to the BVA laboratory in Mobile, Alabama.

### *Sediment Analysis*

Sediment texture was determined at half-phi intervals using the hydrometer technique for fractions smaller than 44  $\mu$ m and nested sieves for larger particle fractions. Texture parameters that were computed included percent gravel, sand, and silt /clay. Total organic carbon (TOC) content was measured as ash-free dry weight expressed as a percentage.

### *Macroinfaunal Sample Analysis*

In the laboratory of BVA, benthic samples were inventoried, rinsed gently through a 0.5 mm mesh sieve to remove preservatives and sediment, stained with Rose Bengal, and stored in 70% isopropanol solution until processing. Sample material (sediment, detritus, organisms) was placed in white enamel trays for sorting under Wild M-5A dissecting microscopes. All macroinvertebrates were carefully removed with forceps and placed in labelled glass vials containing 70% isopropanol. Each vial

represented a major taxonomic group (e.g. Polychaeta, Mollusca, Arthropoda). All sorted macroinvertebrates were identified to the lowest practical identification level (LPIL), which in most cases was to species level unless the specimen was a juvenile, damaged, or otherwise unidentifiable. The number of individuals of each taxon, excluding fragments, was recorded. A voucher collection was prepared, composed of representative individuals of each species not previously encountered in samples from the region.

### **DATA ANALYSIS**

All data generated as a result of laboratory analysis of macroinfauna samples were first coded on data sheets. Enumeration data were entered for each species according to station and replicate. These data were reduced to a data summary report for each station, which included a taxonomic species list and benthic community parameters information. Archive data files of species identification and enumeration were prepared.

The Quality Assurance and Quality Control reports for the SFG 2000 samples are given in the Appendix.

#### ***Assemblage Structure***

Several numerical indices were chosen for analysis and interpretation of the macroinfaunal data. Infaunal abundance is reported as the total number of individuals per station and the total number of individuals per square meter (= density). Taxa richness is reported as the average number of taxa represented in a given station collection.

Taxa diversity, which is often related to the ecological stability and environmental "quality" of the benthos, was estimated by the Shannon-Weaver Index (Pielou, 1966), according to the following formula:

$$H' = - \sum_{i=1}^S p_i (\ln p_i)$$

where, S = is the number of taxa in the sample,  
i = is the i'th taxa in the sample, and

$p_i$  = is the number of individuals of the  $i$ 'th taxa divided by the total number of individuals in the sample.

Taxa diversity was calculated using  $\ln$ ; however, diversity may also be calculated using  $\log_2$ . Both methods of calculating diversity are common in the scientific literature. The taxa diversity calculated in this report using  $\ln$ , can be converted to  $\log_2$  diversity by multiplying the  $\ln$  taxa diversity by 1.4427. Taxa diversity within a given community is dependent upon the number of taxa present (taxa richness) and the distribution of all individuals among those taxa (equitability or evenness). In order to quantify and compare the equitability in the fauna to the taxa diversity for a given area, Pielou's Index  $J'$  (Pielou, 1966) was calculated as  $J' = H'/\ln S$ , where  $\ln S = H'_{\max}$ , or the maximum possible diversity, when all taxa are represented by the same number of individuals; thus,  $J' = H' / H'_{\max}$ .

## **HABITAT CHARACTERISTICS**

Sediment data for the 102 SFG stations are given in Table 2 and Figures 2 and 3. Sediment composition at the 102 stations varied from 99% gravel/sand at 26 stations to 20% silt/clay at 41 stations (Table 2; Figure 2). The sediment at all stations was classified as either sand or silty sand (Table 2). The total organic carbon (TOC) fraction of the sediment was uniformly low (< 3%) at all stations (Table 2, Figure 3).

## **BENTHIC COMMUNITY CHARACTERIZATION**

### ***Faunal Composition, Abundance, And Community Structure-Gulf Stations***

Microsoft <sup>TM</sup>Excel 5.0 (Macintosh version) spreadsheets are being provided separately to NOAA which include: raw data on taxa abundance and density by replicate,

a complete taxonomic listing with station abundance and occurrence, a major taxa table with overall taxa abundance, and an assemblage parameter table including data on mean number of taxa, mean density, taxa diversity and taxa evenness by station.

A total of 62,697 organisms, representing 1,292 taxa, were identified from the 102 SFG stations (Table 3). Polychaetes were the most numerous organisms present representing 48.0% of the total assemblage, followed in abundance by bivalves (15.8%) and malacostracans (13.8%). Polychaetes represented 35.9% of the total number of taxa followed by malacostracans (28.5%), gastropods (15.5%) and bivalves (13.5%) (Table 3).

The abundance of major taxa by station are given in Table 4. The number of taxa per station ranged from 34 at Station 21 to 199 at Station 406. The number of organisms per station ranged from 137 at Station 49 to 2,055 at Station 71.

The dominant taxa collected from the Gulf samples were the polychaete, *Litocorsa antennata*, the annelid family Tubificidae, the bivalve, *Crassinella lunulata*, Rhynchocoela (LPIL), *Sipuncula* (LPIL), representing 2.44%, 2.31%, 2.12%, 2.08% and 2.03% of the total number of individuals, respectively (Table 5). Rhynchocoela (LPIL) was the most widely distributed taxon being found at 100% of the stations (Table 5). The distribution of dominant taxa representing > 10% of the total assemblage at each station is given in Table 6.

Mean station density and station taxa richness data are given in Table 7 and Figures 4, 5, 6 and 7. Station mean densities exhibited considerable variation ranging from > 17,000 organisms/m<sup>2</sup> at Stations 14 and 71 to 1,142 organisms/m<sup>2</sup> at Station 49 (Table 7; Figures 4 and 5). Taxa richness also varied and ranged from 17.0 at Station 21 to 98.0 at Station 35 (Table 7; Figures 6 and 7).



Taxa diversity and evenness are given in Table 7 and Figures 8 and 9. Taxa diversity ( $H'$ ) was uniformly high with all stations but one (Station 21) having diversity values  $> 3.0$ ; values ranged from 2.23 at Station 21 to 4.62 at Stations 17 and 19 (Table 7, Figure 8). Taxa evenness ( $J'$ ) was also high, with all stations but one (Station 21) having evenness values  $> 0.70$ ; values ranged from 0.63 at Station 21 to 0.92 at Station 81 (Table 7; Figure 9).

## **LITERATURE CITED**

Pielou, E.C. 1966. The measurement of diversity in different types of biological collections. *Journal of Theoretical Biology* 13:131-144.

Table 1. Locations of the South Florida Gulf stations, August 2000.

<b>Station ID</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Depth (m)</b>
<b>1</b>	26°36.890	83°43.387	71.0
<b>2</b>	26°42.461	83°20.366	49.5
<b>3</b>	26°38.873	82°44.891	27.0
<b>4</b>	26°40.644	83°49.666	77.0
<b>5</b>	26°36.060	83°34.646	62.3
<b>6</b>	26°36.109	83°13.162	45.0
<b>7</b>	26°38.297	82°52.861	31.0
<b>8</b>	26°38.089	82°34.635	21.1
<b>9</b>	26°34.540	83°43.622	72.0
<b>10</b>	26°31.480	83°24.247	52.5
<b>11</b>	26°36.157	83°02.540	39.0
<b>12</b>	26°31.487	82°51.242	30.0
<b>13</b>	26°32.607	82°22.569	14.6
<b>14</b>	26°31.984	82°13.428	4.9
<b>15</b>	26°29.211	83°50.242	93.0
<b>16</b>	26°23.709	83°31.435	57.0
<b>17</b>	26°25.573	83°11.878	47.0
<b>18</b>	26°25.080	82°59.031	38.0
<b>19</b>	26°28.676	83°35.844	23.0
<b>20</b>	26°23.600	82°17.042	10.4
<b>21</b>	26°26.450	81°58.720	1.5
<b>22</b>	26°23.991	83°47.114	86.0
<b>23</b>	26°23.802	83°29.400	57.0
<b>24</b>	26°23.281	83°09.884	45.0
<b>25</b>	26°22.772	82°48.190	29.0
<b>26</b>	26°22.387	83°30.892	21.0
<b>27</b>	26°21.529	82°09.603	8.5
<b>28</b>	26°22.450	81°55.061	4.6
<b>29</b>	26°15.963	83°56.514	120.0
<b>30</b>	26°15.555	83°33.781	61.0
<b>31</b>	26°16.407	83°20.258	53.0
<b>32</b>	26°13.433	82°57.671	38.0
<b>33</b>	26°18.303	82°32.953	24.0
<b>34</b>	26°17.977	82°16.104	12.2
<b>35</b>	26°15.423	81°58.863	11.6
<b>36</b>	26°13.504	83°39.010	66.0
<b>37</b>	26°11.300	83°27.516	60.0
<b>38</b>	26°16.341	83°04.804	47.0
<b>39</b>	26°13.194	82°42.517	31.0
<b>40</b>	26°15.393	82°28.611	20.0
<b>41</b>	26°14.674	82°06.976	12.2
<b>42</b>	26°06.107	83°53.000	107.0
<b>43</b>	26°08.961	83°30.518	63.0
<b>44</b>	26°06.288	83°15.497	53.0
<b>45</b>	26°08.659	82°57.532	40.7
<b>46</b>	26°13.137	82°37.222	27.0
<b>47</b>	26°11.703	82°04.123	17.4

**Table 1 continued:**

<b>Station ID</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Depth (m)</b>
<b>48</b>	26°06.241	82°03.561	13.0
<b>49</b>	26°02.011	83°58.809	131.0
<b>50</b>	26°02.130	83°44.283	68.0
<b>51</b>	26°06.550	83°22.533	57.0
<b>52</b>	26°06.539	83°04.731	48.6
<b>53</b>	26°06.340	82°46.261	34.0
<b>54</b>	26°00.519	82°31.513	28.1
<b>55</b>	26°01.154	82°08.836	15.2
<b>56</b>	26°03.225	81°53.092	9.3
<b>57</b>	25°54.105	83°55.966	128.0
<b>58</b>	25°55.937	83°37.178	65.0
<b>59</b>	25°54.229	83°17.359	54.6
<b>60</b>	25°53.854	82°56.279	41.8
<b>61</b>	25°56.974	82°37.280	33.6
<b>62</b>	25°56.985	82°16.066	20.1
<b>63</b>	25°59.446	81°57.011	12.3
<b>64</b>	25°56.817	83°59.677	138.0
<b>65</b>	25°55.435	83°45.331	90.0
<b>66</b>	25°56.979	83°24.303	60.0
<b>67</b>	25°49.960	83°04.016	48.2
<b>68</b>	25°51.322	82°43.179	39.0
<b>69</b>	25°54.185	82°26.046	27.8
<b>70</b>	25°57.342	82°09.637	16.6
<b>71</b>	25°52.833	81°47.011	8.8
<b>72</b>	25°49.450	83°47.877	103.0
<b>74</b>	25°48.986	83°19.176	56.4
<b>75</b>	25°46.798	82°56.779	46.0
<b>76</b>	25°49.888	82°35.440	36.0
<b>77</b>	25°49.897	82°13.981	20.1
<b>78</b>	25°52.042	82°03.673	16.4
<b>79</b>	25°40.011	83°57.106	135.0
<b>80</b>	25°45.235	83°38.799	75.0
<b>81</b>	25°42.221	83°25.201	61.0
<b>82</b>	25°45.981	83°09.633	51.8
<b>83</b>	25°42.992	82°45.647	38.0
<b>84</b>	25°44.339	82°33.201	35.0
<b>85</b>	25°43.850	82°15.077	21.3
<b>86</b>	25°40.256	81°51.491	11.0
<b>87</b>	25°39.664	83°51.738	115.0
<b>88</b>	25°40.834	83°33.893	72.0
<b>89</b>	25°34.680	83°17.596	52.7
<b>90</b>	25°39.483	82°51.023	43.3
<b>91</b>	25°40.376	82°38.581	34.0
<b>92</b>	25°41.569	82°15.198	20.1
<b>93</b>	25°37.218	82°02.261	16.8
<b>95</b>	25°37.372	83°26.631	63.4
<b>96</b>	25°37.532	83°02.475	49.7

**Table 1 continued:**

<b>Station ID</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Depth (m)</b>
<b>97</b>	25°32.784	82°49.694	41.1
<b>98</b>	25°37.570	82°30.972	28.7
<b>99</b>	25°37.591	82°12.360	20.1
<b>100</b>	25°32.852	81°54.173	13.7
<b>105</b>	25°29.321	82°36.274	31.1
<b>106</b>	25°30.660	82°17.237	23.5
<b>107</b>	25°29.131	82°00.226	16.2
<b>114</b>	25°26.127	82°11.374	20.1

Table 2. Sediment composition for the South Florida Gulf stations, August 2000.

Station ID	% TOC	% Moisture	% Gravel	% Sand	% Silt	% Clay	% Silt + Clay	USACE Description	Median Particle Size (phi)	Sorting Coefficient
1	0.98	28.28	1.72	70.31	10.37	17.60	27.97	Silty Sand	2.600	4.336
2	1.83	31.26	1.93	72.60	11.99	13.48	25.47	Silty Sand	2.764	2.711
3	1.82	18.90	4.38	95.06	–	–	0.56	Sand	0.632	0.997
4	2.24	26.62	8.97	88.33	–	–	2.70	–	0.648	1.388
5	2.39	34.82	12.57	83.40	–	–	4.02	–	0.202	1.441
6	0.28	25.16	20.25	76.20	–	–	3.55	–	0.306	1.568
7	0.34	18.39	0.49	97.55	–	–	1.96	Sand	2.244	0.685
8	1.31	19.99	2.30	97.18	–	–	0.52	Sand	1.307	0.807
9	2.46	28.65	8.87	88.71	–	–	2.42	–	0.953	1.422
10	2.65	35.51	4.05	94.93	–	–	1.02	Sand	1.903	1.217
11	1.75	25.74	0.03	58.68	23.82	17.47	41.29	Silty Sand	3.555	3.397
12	1.74	21.82	5.07	94.30	–	–	0.63	–	1.157	1.133
13	0.38	20.27	3.92	95.71	–	–	0.37	Sand	0.936	0.984
14	2.26	24.88	38.87	60.12	–	–	1.01	–	-0.674	1.213
15	1.87	31.47	2.24	61.22	19.68	16.86	36.54	Silty Sand	3.961	3.110
16	2.33	31.02	14.94	84.54	–	–	0.52	–	0.540	1.257
17	0.32	24.67	0.81	76.86	6.58	15.76	22.34	Silty Sand	2.387	3.243
18	1.25	22.32	0.15	73.68	9.56	16.61	26.17	Silty Sand	2.789	3.191
19	1.31	23.73	0.53	96.53	–	–	2.94	Sand	1.835	0.934
20	1.66	21.19	0.00	73.05	–	–	26.95	Silty Sand	2.086	–
21	0.58	17.71	0.00	99.78	–	–	0.22	Sand	2.662	0.700
22	1.59	29.90	1.38	71.75	11.49	15.38	26.87	Silty Sand	2.687	3.252
23	2.25	25.87	12.85	86.31	–	–	0.85	–	-0.137	0.971
24	2.21	25.92	0.70	74.69	9.09	15.52	24.61	Silty Sand	2.882	2.983
25	0.73	17.95	0.43	97.87	–	–	1.70	Sand	2.346	0.632
26	0.20	21.93	0.24	97.97	–	–	1.79	Sand	2.418	0.650
27	1.31	21.88	12.01	86.72	–	–	1.27	–	1.044	1.235
28	0.74	24.38	27.42	70.40	–	–	2.17	–	0.097	1.540
29	0.78	32.48	0.68	74.47	8.71	16.15	24.86	Silty Sand	2.960	3.464
30	0.94	29.62	7.64	91.96	–	–	0.40	–	0.210	1.014
31	0.60	28.69	6.46	74.01	6.97	12.56	19.53	–	2.159	2.692
32	0.61	29.98	0.99	74.00	9.06	15.96	25.02	Silty Sand	2.801	3.058
33	0.43	20.75	2.10	96.89	–	–	1.01	Sand	1.564	1.128
34	1.12	23.61	4.72	69.01	–	–	26.28	Silty Sand	1.620	–
35	0.44	23.58	6.69	68.17	9.43	15.71	25.14	–	3.226	3.264
36	1.42	28.28	5.44	93.70	–	–	0.86	–	0.242	0.971
37	0.64	38.50	0.68	69.19	12.36	17.78	30.14	Silty Sand	2.980	3.672
38	1.57	32.43	4.44	92.50	–	–	3.06	Sand	1.276	1.001
39	1.25	31.20	0.37	70.34	13.56	15.73	29.29	Silty Sand	3.012	2.870
40	0.78	16.52	5.16	94.58	–	–	0.26	–	1.540	0.940
41	2.13	26.42	30.68	44.38	10.22	14.72	24.94	–	0.282	4.391
42	0.55	33.12	3.59	76.59	7.74	12.09	19.83	Sand	1.749	2.735
43	1.12	32.74	0.77	71.83	13.75	13.65	27.40	Silty Sand	2.833	2.617
44	0.90	24.59	8.05	90.24	–	–	1.71	–	0.467	1.088
45	0.97	24.59	0.11	77.92	8.22	13.74	21.96	Silty Sand	2.582	2.181
46	0.27	16.20	14.30	83.10	–	–	2.60	–	1.001	1.348
47	0.44	29.13	1.75	53.93	30.58	13.74	44.32	Silty Sand	3.801	2.079
48	0.41	21.59	14.96	84.63	–	–	0.42	–	1.208	1.451
49	0.83	33.01	3.34	73.07	6.09	17.50	23.59	Silty Sand	1.956	4.619
50	2.66	22.55	0.47	77.00	8.42	14.10	22.52	Silty Sand	2.577	2.554
51	0.68	28.45	4.25	94.13	–	–	1.62	Sand	0.304	0.965
52	0.77	34.20	0.76	67.76	14.67	16.81	31.48	Silty Sand	3.065	3.423
53	1.10	25.48	0.10	73.28	13.06	13.56	26.62	Silty Sand	2.875	2.385
54	2.16	26.59	0.53	98.76	–	–	0.70	Sand	0.646	0.691
55	0.40	25.47	0.57	98.23	–	–	1.21	Sand	1.619	0.759
56	2.01	23.56	4.91	94.49	–	–	0.60	Sand	0.570	0.655
57	2.30	33.34	3.33	74.98	8.60	13.08	21.68	Silty Sand	1.811	2.995
58	0.37	30.26	3.20	96.49	–	–	0.32	Sand	0.686	1.082
59	0.87	34.77	1.92	73.43	7.94	16.72	24.66	Silty Sand	2.308	3.742

Table 2 continued:

Station ID	% TOC	% Moisture	% Gravel	% Sand	% Silt	% Clay	% Silt + Clay	USACE Description	Median Particle Size (phi)	Sorting Coefficient
60	1.06	29.60	4.17	62.73	19.04	14.05	33.09	Silty Sand	3.063	2.953
61	0.79	29.89	1.30	64.96	17.41	16.33	33.74	Silty Sand	2.832	3.467
62	2.26	26.19	1.26	96.07	–	–	2.67	Sand	1.188	1.194
63	0.82	22.62	4.69	95.03	–	–	0.27	Sand	1.062	1.017
64	0.51	41.25	2.04	71.45	8.36	18.15	26.51	Silty Sand	2.587	4.245
65	2.00	27.62	4.66	93.21	–	–	2.13	Sand	0.834	1.412
66	0.22	32.25	16.94	79.18	–	–	3.88	–	-0.068	1.151
67	0.54	30.17	1.98	74.06	9.61	14.34	23.95	Silty Sand	2.556	2.538
68	0.84	33.90	2.58	74.77	7.31	15.34	22.65	Silty Sand	1.536	3.586
69	1.05	25.83	1.39	98.43	–	–	0.19	Sand	0.086	0.785
70	1.16	25.56	0.25	98.93	–	–	0.82	Sand	1.473	0.845
71	0.54	19.37	51.75	47.83	–	–	0.42	–	-1.046	1.424
72	2.14	33.62	1.68	78.37	8.97	10.98	19.95	Sand	2.313	2.499
73	1.71	31.79	10.98	87.93	–	–	1.09	–	0.171	1.093
74	0.64	32.10	25.62	69.55	–	–	4.83	–	-0.285	1.357
75	0.30	31.78	1.09	79.89	6.43	12.59	19.02	Sand	1.647	2.336
76	1.23	22.17	1.31	94.04	–	–	4.64	Sand	0.957	0.806
77	0.01	26.82	2.97	96.94	–	–	0.09	Sand	1.318	0.736
78	0.51	24.50	1.17	96.46	–	–	2.38	Sand	0.928	0.786
79	0.46	32.17	13.27	61.83	9.53	15.37	24.90	–	1.769	4.188
80	0.32	33.14	4.48	95.17	–	–	0.35	Sand	0.822	1.079
81	2.01	28.40	5.70	76.17	6.62	11.50	18.12	–	2.097	2.602
82	1.07	31.71	0.82	68.43	14.52	16.22	30.74	Silty Sand	2.838	3.419
83	0.03	36.21	0.20	74.90	7.99	16.92	24.91	Silty Sand	2.878	3.470
84	0.56	28.42	4.00	92.25	–	–	3.75	Sand	1.419	0.957
85	0.07	26.83	0.18	97.23	–	–	2.59	Sand	1.666	0.982
86	1.08	19.92	8.75	90.12	–	–	1.13	–	1.148	1.277
87	0.80	38.82	4.22	68.22	10.09	17.47	27.56	Silty Sand	2.368	4.252
88	2.41	28.29	1.29	65.19	18.25	15.27	33.52	Silty Sand	3.162	2.900
89	0.35	33.83	10.64	88.75	–	–	0.61	–	-0.506	0.427
90	0.84	29.07	1.20	64.08	17.25	17.48	34.73	Silty Sand	3.098	3.546
91	0.46	33.27	12.63	62.81	7.59	16.97	24.56	–	1.210	4.561
92	0.67	26.08	0.48	99.12	–	–	0.40	Sand	1.190	0.732
93	1.96	22.37	1.10	98.57	–	–	0.32	Sand	1.510	0.497
95	1.23	32.29	1.15	78.03	7.61	13.21	20.82	Silty Sand	2.776	2.183
96	0.42	29.40	1.92	93.25	–	–	4.84	Sand	1.974	1.095
97	1.17	29.09	3.40	44.56	34.16	17.88	52.04	Silty Sand	4.069	3.571
98	0.43	26.36	0.25	71.38	11.55	16.82	28.37	Silty Sand	2.818	3.252
99	2.17	24.88	4.35	95.51	–	–	0.14	Sand	0.451	0.756
100	0.37	20.75	6.31	93.22	–	–	0.46	–	0.695	0.913
105	1.00	31.31	2.85	72.24	9.13	15.78	24.91	Silty Sand	1.609	3.724
106	0.90	32.29	4.04	76.79	8.60	10.57	19.17	Sand	2.724	2.085
107	2.30	24.35	1.05	98.41	–	–	0.55	Sand	2.246	0.846
114	0.45	25.91	10.90	87.81	–	–	1.30	–	-0.300	0.783

– unable to calculate due to amount of sample retained in sieve

Table 3. Summary of overall abundance of major benthic macroinfauna taxonomic groups for South Florida Gulf stations, August 2000.

<b>Taxa</b>	<b>Total No. Taxa</b>	<b>% of Total</b>	<b>Total No. Individuals</b>	<b>% of Total</b>
<b>Annelida</b>				
<b>Oligochaeta</b>	3	0.2	1,624	2.6
<b>Polychaeta</b>	464	35.9	30,099	48.0
<b>Arthropoda</b>				
<b>Branchiopoda</b>	1	0.1	12	0.0
<b>Malacostraca</b>	368	28.5	8,641	13.8
<b>Pycnogonida</b>	1	0.1	16	0.0
<b>Mollusca</b>				
<b>Aplacophora</b>	1	0.1	145	0.2
<b>Bivalvia</b>	175	13.5	9,911	15.8
<b>Gastropoda</b>	200	15.5	4,456	7.1
<b>Polyplacophora</b>	7	0.5	489	0.8
<b>Scaphopoda</b>	12	0.9	293	0.5
<b>Echinodermata</b>				
<b>Asteroidea</b>	3	0.2	19	0.0
<b>Echinodermata</b>	1	0.1	1	0.0
<b>Echinoidea</b>	7	0.5	59	0.1
<b>Holothuroidea</b>	10	0.8	38	0.1
<b>Ophiuroidea</b>	14	1.1	420	0.7
<b>Other Taxa</b>	25	1.9	6,474	10.3
<b>Total</b>	<b>1,292</b>		<b>62,697</b>	



Table 4. Summary of abundance of major benthic macroinfauna taxonomic groups by station for South Florida Gulf stations, August 2000.

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>1</b>	Annelida	77	55.8	457	70.7
	Mollusca	30	21.7	89	13.8
	Arthropoda	19	13.8	53	8.2
	Echinodermata	4	2.9	5	0.8
	Other Taxa	8	5.8	42	6.5
	<b>Total</b>	<b>138</b>		<b>646</b>	
<b>2</b>	Annelida	63	49.2	212	35.4
	Mollusca	38	29.7	324	54.1
	Arthropoda	19	14.8	34	5.7
	Echinodermata	2	1.6	9	1.5
	Other Taxa	6	4.7	20	3.3
	<b>Total</b>	<b>128</b>		<b>599</b>	
<b>3</b>	Annelida	94	55.6	509	63.5
	Mollusca	45	26.6	161	20.1
	Arthropoda	20	11.8	63	7.9
	Echinodermata	3	1.8	22	2.7
	Other Taxa	7	4.1	46	5.7
	<b>Total</b>	<b>169</b>		<b>801</b>	
<b>4</b>	Annelida	65	54.2	250	56.3
	Mollusca	28	23.3	60	13.5
	Arthropoda	17	14.2	54	12.2
	Echinodermata	2	1.7	3	0.7
	Other Taxa	8	6.7	77	17.3
	<b>Total</b>	<b>120</b>		<b>444</b>	
<b>5</b>	Annelida	82	50.6	450	63.4
	Mollusca	34	21.0	109	15.4
	Arthropoda	30	18.5	82	11.5
	Echinodermata	5	3.1	23	3.2
	Other Taxa	11	6.8	46	6.5
	<b>Total</b>	<b>162</b>		<b>710</b>	
<b>6</b>	Annelida	48	44.0	179	28.4
	Mollusca	35	32.1	391	62.1
	Arthropoda	15	13.8	27	4.3
	Echinodermata	2	1.8	8	1.3
	Other Taxa	9	8.3	25	4.0
	<b>Total</b>	<b>109</b>		<b>630</b>	

Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
7	Annelida	50	38.8	132	31.3
	Mollusca	34	26.4	129	30.6
	Arthropoda	38	29.5	125	29.6
	Echinodermata	1	0.8	3	0.7
	Other Taxa	6	4.7	33	7.8
	<b>Total</b>	<b>129</b>		<b>422</b>	
8	Annelida	74	51.7	412	59.9
	Mollusca	41	28.7	129	18.8
	Arthropoda	16	11.2	29	4.2
	Echinodermata	2	1.4	3	0.4
	Other Taxa	10	7.0	115	16.7
	<b>Total</b>	<b>143</b>		<b>688</b>	
9	Annelida	59	49.2	218	54.0
	Mollusca	32	26.7	87	21.5
	Arthropoda	20	16.7	36	8.9
	Echinodermata	1	0.8	3	0.7
	Other Taxa	8	6.7	60	14.9
	<b>Total</b>	<b>120</b>		<b>404</b>	
10	Annelida	83	53.2	469	59.7
	Mollusca	36	23.1	168	21.4
	Arthropoda	24	15.4	60	7.6
	Echinodermata	2	1.3	14	1.8
	Other Taxa	11	7.1	74	9.4
	<b>Total</b>	<b>156</b>		<b>785</b>	
11	Annelida	30	34.5	88	26.4
	Mollusca	30	34.5	178	53.5
	Arthropoda	13	14.9	20	6.0
	Echinodermata	4	4.6	5	1.5
	Other Taxa	10	11.5	42	12.6
	<b>Total</b>	<b>87</b>		<b>333</b>	
12	Annelida	63	47.7	195	46.8
	Mollusca	35	26.5	139	33.3
	Arthropoda	26	19.7	60	14.4
	Echinodermata	2	1.5	6	1.4
	Other Taxa	6	4.5	17	4.1
	<b>Total</b>	<b>132</b>		<b>417</b>	

Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>13</b>	Annelida	81	58.3	298	55.2
	Mollusca	31	22.3	125	23.1
	Arthropoda	18	12.9	60	11.1
	Echinodermata	2	1.4	12	2.2
	Other Taxa	7	5.0	45	8.3
	<b>Total</b>	<b>139</b>		<b>540</b>	
<b>14</b>	Annelida	63	44.4	786	55.2
	Mollusca	39	27.5	358	25.2
	Arthropoda	30	21.1	252	17.7
	Echinodermata	3	2.1	11	0.8
	Other Taxa	7	4.9	16	1.1
	<b>Total</b>	<b>142</b>		<b>1,423</b>	
<b>15</b>	Annelida	58	48.3	156	44.1
	Mollusca	27	22.5	69	19.5
	Arthropoda	22	18.3	44	12.4
	Echinodermata	2	1.7	2	0.6
	Other Taxa	11	9.2	83	23.4
	<b>Total</b>	<b>120</b>		<b>354</b>	
<b>16</b>	Annelida	91	57.6	371	53.2
	Mollusca	30	19.0	120	17.2
	Arthropoda	25	15.8	124	17.8
	Echinodermata	3	1.9	5	0.7
	Other Taxa	9	5.7	78	11.2
	<b>Total</b>	<b>158</b>		<b>698</b>	
<b>17</b>	Annelida	93	51.1	419	56.6
	Mollusca	42	23.1	151	20.4
	Arthropoda	33	18.1	68	9.2
	Echinodermata	2	1.1	4	0.5
	Other Taxa	12	6.6	98	13.2
	<b>Total</b>	<b>182</b>		<b>740</b>	
<b>18</b>	Annelida	64	43.8	207	38.5
	Mollusca	41	28.1	232	43.2
	Arthropoda	30	20.5	53	9.9
	Echinodermata	3	2.1	5	0.9
	Other Taxa	8	5.5	40	7.4
	<b>Total</b>	<b>146</b>		<b>537</b>	

Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>19</b>	Annelida	78	44.3	271	43.7
	Mollusca	50	28.4	187	30.2
	Arthropoda	36	20.5	113	18.2
	Echinodermata	2	1.1	4	0.6
	Other Taxa	10	5.7	45	7.3
	<b>Total</b>	<b>176</b>		<b>620</b>	
<b>20</b>	Annelida	46	43.8	291	37.6
	Mollusca	31	29.5	336	43.5
	Arthropoda	19	18.1	53	6.9
	Echinodermata	0	0.0	0	0.0
	Other Taxa	9	8.6	93	12.0
	<b>Total</b>	<b>105</b>		<b>773</b>	
<b>21</b>	Annelida	13	38.2	45	11.1
	Mollusca	8	23.5	66	16.2
	Arthropoda	11	32.4	195	47.9
	Echinodermata	0	0.0	0	0.0
	Other Taxa	2	5.9	101	24.8
	<b>Total</b>	<b>34</b>		<b>407</b>	
<b>22</b>	Annelida	51	51.5	189	48.3
	Mollusca	23	23.2	90	23.0
	Arthropoda	16	16.2	36	9.2
	Echinodermata	0	0.0	0	0.0
	Other Taxa	9	9.1	76	19.4
	<b>Total</b>	<b>99</b>		<b>391</b>	
<b>23</b>	Annelida	80	58.4	358	62.5
	Mollusca	21	15.3	65	11.3
	Arthropoda	26	19.0	109	19.0
	Echinodermata	2	1.5	4	0.7
	Other Taxa	8	5.8	37	6.5
	<b>Total</b>	<b>137</b>		<b>573</b>	
<b>24</b>	Annelida	52	42.3	202	32.0
	Mollusca	34	27.6	322	51.0
	Arthropoda	23	18.7	49	7.8
	Echinodermata	3	2.4	5	0.8
	Other Taxa	11	8.9	53	8.4
	<b>Total</b>	<b>123</b>		<b>631</b>	

Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>25</b>	Annelida	77	45.3	378	45.3
	Mollusca	41	24.1	253	30.3
	Arthropoda	42	24.7	146	17.5
	Echinodermata	1	0.6	7	0.8
	Other Taxa	9	5.3	51	6.1
	<b>Total</b>	<b>170</b>		<b>835</b>	
<b>26</b>	Annelida	62	42.5	277	48.9
	Mollusca	37	25.3	84	14.8
	Arthropoda	31	21.2	95	16.8
	Echinodermata	2	1.4	2	0.4
	Other Taxa	14	9.6	109	19.2
	<b>Total</b>	<b>146</b>		<b>567</b>	
<b>27</b>	Annelida	78	50.0	688	61.2
	Mollusca	42	26.9	209	18.6
	Arthropoda	25	16.0	166	14.8
	Echinodermata	3	1.9	3	0.3
	Other Taxa	8	5.1	59	5.2
	<b>Total</b>	<b>156</b>		<b>1,125</b>	
<b>28</b>	Annelida	65	46.8	670	52.3
	Mollusca	35	25.2	312	24.3
	Arthropoda	28	20.1	232	18.1
	Echinodermata	4	2.9	4	0.3
	Other Taxa	7	5.0	64	5.0
	<b>Total</b>	<b>139</b>		<b>1,282</b>	
<b>29</b>	Annelida	41	53.2	122	55.2
	Mollusca	11	14.3	43	19.5
	Arthropoda	16	20.8	30	13.6
	Echinodermata	2	2.6	8	3.6
	Other Taxa	7	9.1	18	8.1
	<b>Total</b>	<b>77</b>		<b>221</b>	
<b>30</b>	Annelida	60	58.3	248	60.9
	Mollusca	17	16.5	35	8.6
	Arthropoda	16	15.5	88	21.6
	Echinodermata	2	1.9	3	0.7
	Other Taxa	8	7.8	33	8.1
	<b>Total</b>	<b>103</b>		<b>407</b>	

Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>31</b>	Annelida	71	50.0	316	49.5
	Mollusca	33	23.2	167	26.1
	Arthropoda	24	16.9	83	13.0
	Echinodermata	4	2.8	15	2.3
	Other Taxa	10	7.0	58	9.1
	<b>Total</b>	<b>142</b>		<b>639</b>	
<b>32</b>	Annelida	69	46.0	504	52.3
	Mollusca	38	25.3	265	27.5
	Arthropoda	30	20.0	85	8.8
	Echinodermata	3	2.0	12	1.2
	Other Taxa	10	6.7	98	10.2
	<b>Total</b>	<b>150</b>		<b>964</b>	
<b>33</b>	Annelida	86	50.3	359	60.3
	Mollusca	38	22.2	112	18.8
	Arthropoda	36	21.1	80	13.4
	Echinodermata	1	0.6	4	0.7
	Other Taxa	10	5.8	40	6.7
	<b>Total</b>	<b>171</b>		<b>595</b>	
<b>34</b>	Annelida	64	45.1	203	39.4
	Mollusca	39	27.5	100	19.4
	Arthropoda	29	20.4	173	33.6
	Echinodermata	1	0.7	1	0.2
	Other Taxa	9	6.3	38	7.4
	<b>Total</b>	<b>142</b>		<b>515</b>	
<b>35</b>	Annelida	89	46.4	1,156	69.2
	Mollusca	54	28.1	264	15.8
	Arthropoda	36	18.8	100	6.0
	Echinodermata	4	2.1	6	0.4
	Other Taxa	9	4.7	144	8.6
	<b>Total</b>	<b>192</b>		<b>1,670</b>	
<b>36</b>	Annelida	70	65.4	313	76.2
	Mollusca	14	13.1	21	5.1
	Arthropoda	17	15.9	51	12.4
	Echinodermata	1	0.9	3	0.7
	Other Taxa	5	4.7	23	5.6
	<b>Total</b>	<b>107</b>		<b>411</b>	

Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>37</b>	Annelida	66	46.2	460	62.3
	Mollusca	35	24.5	73	9.9
	Arthropoda	30	21.0	107	14.5
	Echinodermata	3	2.1	23	3.1
	Other Taxa	9	6.3	75	10.2
	<b>Total</b>	<b>143</b>		<b>738</b>	
<b>38</b>	Annelida	89	50.0	336	45.8
	Mollusca	50	28.1	264	36.0
	Arthropoda	28	15.7	88	12.0
	Echinodermata	1	0.6	5	0.7
	Other Taxa	10	5.6	41	5.6
	<b>Total</b>	<b>178</b>		<b>734</b>	
<b>39</b>	Annelida	68	40.0	614	49.5
	Mollusca	49	28.8	383	30.9
	Arthropoda	37	21.8	112	9.0
	Echinodermata	1	0.6	3	0.2
	Other Taxa	15	8.8	128	10.3
	<b>Total</b>	<b>170</b>		<b>1,240</b>	
<b>40</b>	Annelida	72	51.8	204	46.6
	Mollusca	38	27.3	118	26.9
	Arthropoda	22	15.8	82	18.7
	Echinodermata	1	0.7	1	0.2
	Other Taxa	6	4.3	33	7.5
	<b>Total</b>	<b>139</b>		<b>438</b>	
<b>41</b>	Annelida	66	46.8	810	67.1
	Mollusca	45	31.9	270	22.4
	Arthropoda	20	14.2	56	4.6
	Echinodermata	1	0.7	1	0.1
	Other Taxa	9	6.4	71	5.9
	<b>Total</b>	<b>141</b>		<b>1,208</b>	
<b>42</b>	Annelida	24	38.7	89	50.9
	Mollusca	18	29.0	45	25.7
	Arthropoda	14	22.6	20	11.4
	Echinodermata	1	1.6	2	1.1
	Other Taxa	5	8.1	19	10.9
	<b>Total</b>	<b>62</b>		<b>175</b>	

Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>43</b>	Annelida	73	53.7	435	57.7
	Mollusca	25	18.4	69	9.2
	Arthropoda	23	16.9	116	15.4
	Echinodermata	4	2.9	13	1.7
	Other Taxa	11	8.1	121	16.0
	<b>Total</b>	<b>136</b>		<b>754</b>	
<b>44</b>	Annelida	62	45.6	281	42.0
	Mollusca	31	22.8	158	23.6
	Arthropoda	30	22.1	102	15.2
	Echinodermata	1	0.7	11	1.6
	Other Taxa	12	8.8	117	17.5
	<b>Total</b>	<b>136</b>		<b>669</b>	
<b>45</b>	Annelida	58	44.6	388	39.2
	Mollusca	38	29.2	423	42.7
	Arthropoda	21	16.2	53	5.4
	Echinodermata	3	2.3	14	1.4
	Other Taxa	10	7.7	112	11.3
	<b>Total</b>	<b>130</b>		<b>990</b>	
<b>46</b>	Annelida	86	49.4	322	50.3
	Mollusca	43	24.7	188	29.4
	Arthropoda	31	17.8	62	9.7
	Echinodermata	1	0.6	1	0.2
	Other Taxa	13	7.5	67	10.5
	<b>Total</b>	<b>174</b>		<b>640</b>	
<b>47</b>	Annelida	50	43.1	271	47.1
	Mollusca	39	33.6	230	40.0
	Arthropoda	18	15.5	36	6.3
	Echinodermata	2	1.7	5	0.9
	Other Taxa	7	6.0	33	5.7
	<b>Total</b>	<b>116</b>		<b>575</b>	
<b>48</b>	Annelida	40	50.0	157	39.5
	Mollusca	14	17.5	64	16.1
	Arthropoda	17	21.3	73	18.4
	Echinodermata	0	0.0	0	0.0
	Other Taxa	9	11.3	103	25.9
	<b>Total</b>	<b>80</b>		<b>397</b>	



Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>49</b>	Annelida	34	54.8	75	54.7
	Mollusca	11	17.7	35	25.5
	Arthropoda	9	14.5	9	6.6
	Echinodermata	1	1.6	2	1.5
	Other Taxa	7	11.3	16	11.7
	<b>Total</b>	<b>62</b>		<b>137</b>	
<b>50</b>	Annelida	49	53.3	189	67.3
	Mollusca	19	20.7	47	16.7
	Arthropoda	15	16.3	23	8.2
	Echinodermata	1	1.1	1	0.4
	Other Taxa	8	8.7	21	7.5
	<b>Total</b>	<b>92</b>		<b>281</b>	
<b>51</b>	Annelida	82	56.6	461	65.8
	Mollusca	20	13.8	69	9.8
	Arthropoda	31	21.4	94	13.4
	Echinodermata	3	2.1	4	0.6
	Other Taxa	9	6.2	73	10.4
	<b>Total</b>	<b>145</b>		<b>701</b>	
<b>52</b>	Annelida	66	45.5	379	47.9
	Mollusca	38	26.2	245	31.0
	Arthropoda	29	20.0	48	6.1
	Echinodermata	1	0.7	4	0.5
	Other Taxa	11	7.6	115	14.5
	<b>Total</b>	<b>145</b>		<b>791</b>	
<b>53</b>	Annelida	43	36.4	208	43.2
	Mollusca	44	37.3	172	35.7
	Arthropoda	21	17.8	50	10.4
	Echinodermata	2	1.7	2	0.4
	Other Taxa	8	6.8	50	10.4
	<b>Total</b>	<b>118</b>		<b>482</b>	
<b>54</b>	Annelida	69	58.5	414	62.9
	Mollusca	26	22.0	125	19.0
	Arthropoda	13	11.0	27	4.1
	Echinodermata	0	0.0	0	0.0
	Other Taxa	10	8.5	92	14.0
	<b>Total</b>	<b>118</b>		<b>658</b>	

Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>55</b>	Annelida	77	44.8	336	45.2
	Mollusca	44	25.6	106	14.3
	Arthropoda	36	20.9	126	17.0
	Echinodermata	3	1.7	8	1.1
	Other Taxa	12	7.0	167	22.5
	<b>Total</b>	<b>172</b>		<b>743</b>	
<b>56</b>	Annelida	44	44.4	140	43.8
	Mollusca	26	26.3	86	26.9
	Arthropoda	21	21.2	32	10.0
	Echinodermata	2	2.0	3	0.9
	Other Taxa	6	6.1	59	18.4
	<b>Total</b>	<b>99</b>		<b>320</b>	
<b>57</b>	Annelida	39	56.5	103	58.2
	Mollusca	13	18.8	26	14.7
	Arthropoda	9	13.0	17	9.6
	Echinodermata	2	2.9	2	1.1
	Other Taxa	6	8.7	29	16.4
	<b>Total</b>	<b>69</b>		<b>177</b>	
<b>58</b>	Annelida	72	52.6	304	49.4
	Mollusca	30	21.9	75	12.2
	Arthropoda	23	16.8	101	16.4
	Echinodermata	4	2.9	7	1.1
	Other Taxa	8	5.8	128	20.8
	<b>Total</b>	<b>137</b>		<b>615</b>	
<b>59</b>	Annelida	71	48.0	326	48.3
	Mollusca	39	26.4	174	25.8
	Arthropoda	28	18.9	99	14.7
	Echinodermata	2	1.4	10	1.5
	Other Taxa	8	5.4	66	9.8
	<b>Total</b>	<b>148</b>		<b>675</b>	
<b>60</b>	Annelida	86	49.4	337	42.7
	Mollusca	36	20.7	257	32.6
	Arthropoda	38	21.8	121	15.3
	Echinodermata	1	0.6	13	1.6
	Other Taxa	13	7.5	61	7.7
	<b>Total</b>	<b>174</b>		<b>789</b>	

Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>61</b>	Annelida	59	44.4	242	44.5
	Mollusca	39	29.3	188	34.6
	Arthropoda	23	17.3	46	8.5
	Echinodermata	1	0.8	1	0.2
	Other Taxa	11	8.3	67	12.3
	<b>Total</b>	<b>133</b>		<b>544</b>	
<b>62</b>	Annelida	65	50.0	213	50.7
	Mollusca	34	26.2	99	23.6
	Arthropoda	21	16.2	63	15.0
	Echinodermata	1	0.8	1	0.2
	Other Taxa	9	6.9	44	10.5
	<b>Total</b>	<b>130</b>		<b>420</b>	
<b>63</b>	Annelida	49	43.8	159	40.1
	Mollusca	32	28.6	83	20.9
	Arthropoda	22	19.6	81	20.4
	Echinodermata	2	1.8	3	0.8
	Other Taxa	7	6.3	71	17.9
	<b>Total</b>	<b>112</b>		<b>397</b>	
<b>64</b>	Annelida	30	48.4	83	53.2
	Mollusca	18	29.0	34	21.8
	Arthropoda	7	11.3	16	10.3
	Echinodermata	1	1.6	2	1.3
	Other Taxa	6	9.7	21	13.5
	<b>Total</b>	<b>62</b>		<b>156</b>	
<b>65</b>	Annelida	57	49.6	239	60.5
	Mollusca	18	15.7	43	10.9
	Arthropoda	28	24.3	55	13.9
	Echinodermata	1	0.9	3	0.8
	Other Taxa	11	9.6	55	13.9
	<b>Total</b>	<b>115</b>		<b>395</b>	
<b>66</b>	Annelida	64	52.9	294	66.8
	Mollusca	17	14.0	27	6.1
	Arthropoda	28	23.1	48	10.9
	Echinodermata	2	1.7	3	0.7
	Other Taxa	10	8.3	68	15.5
	<b>Total</b>	<b>121</b>		<b>440</b>	

Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>67</b>	Annelida	89	49.7	436	57.4
	Mollusca	34	19.0	117	15.4
	Arthropoda	44	24.6	126	16.6
	Echinodermata	0	0.0	0	0.0
	Other Taxa	12	6.7	81	10.7
	<b>Total</b>	<b>179</b>		<b>760</b>	
<b>68</b>	Annelida	56	44.4	337	50.4
	Mollusca	30	23.8	187	28.0
	Arthropoda	25	19.8	92	13.8
	Echinodermata	2	1.6	5	0.7
	Other Taxa	13	10.3	48	7.2
	<b>Total</b>	<b>126</b>		<b>669</b>	
<b>69</b>	Annelida	83	56.8	339	55.9
	Mollusca	26	17.8	71	11.7
	Arthropoda	28	19.2	133	21.9
	Echinodermata	1	0.7	2	0.3
	Other Taxa	8	5.5	61	10.1
	<b>Total</b>	<b>146</b>		<b>606</b>	
<b>70</b>	Annelida	83	55.3	328	60.6
	Mollusca	29	19.3	85	15.7
	Arthropoda	26	17.3	78	14.4
	Echinodermata	1	0.7	1	0.2
	Other Taxa	11	7.3	49	9.1
	<b>Total</b>	<b>150</b>		<b>541</b>	
<b>71</b>	Annelida	86	54.4	961	46.8
	Mollusca	32	20.3	250	12.2
	Arthropoda	32	20.3	476	23.2
	Echinodermata	2	1.3	13	0.6
	Other Taxa	6	3.8	355	17.3
	<b>Total</b>	<b>158</b>		<b>2,055</b>	
<b>72</b>	Annelida	38	43.2	97	43.5
	Mollusca	23	26.1	48	21.5
	Arthropoda	17	19.3	35	15.7
	Echinodermata	1	1.1	2	0.9
	Other Taxa	9	10.2	41	18.4
	<b>Total</b>	<b>88</b>		<b>223</b>	

Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>74</b>	Annelida	59	49.2	209	55.6
	Mollusca	25	20.8	50	13.3
	Arthropoda	21	17.5	42	11.2
	Echinodermata	3	2.5	12	3.2
	Other Taxa	12	10.0	63	16.8
	<b>Total</b>	<b>120</b>		<b>376</b>	
<b>75</b>	Annelida	77	47.5	257	42.1
	Mollusca	35	21.6	167	27.3
	Arthropoda	38	23.5	91	14.9
	Echinodermata	2	1.2	11	1.8
	Other Taxa	10	6.2	85	13.9
	<b>Total</b>	<b>162</b>		<b>611</b>	
<b>76</b>	Annelida	104	56.8	418	53.1
	Mollusca	35	19.1	112	14.2
	Arthropoda	33	18.0	187	23.8
	Echinodermata	1	0.5	1	0.1
	Other Taxa	10	5.5	69	8.8
	<b>Total</b>	<b>183</b>		<b>787</b>	
<b>77</b>	Annelida	59	46.5	221	44.0
	Mollusca	37	29.1	199	39.6
	Arthropoda	18	14.2	42	8.4
	Echinodermata	3	2.4	4	0.8
	Other Taxa	10	7.9	36	7.2
	<b>Total</b>	<b>127</b>		<b>502</b>	
<b>78</b>	Annelida	56	45.9	149	31.6
	Arthropoda	20	16.4	46	9.8
	Mollusca	38	31.1	132	28.0
	Echinodermata	0	0.0	0	0.0
	Other Taxa	8	6.6	144	30.6
	<b>Total</b>	<b>122</b>		<b>471</b>	
<b>79</b>	Annelida	39	43.8	110	50.2
	Mollusca	19	21.3	46	21.0
	Arthropoda	21	23.6	39	17.8
	Echinodermata	2	2.2	3	1.4
	Other Taxa	8	9.0	21	9.6
	<b>Total</b>	<b>89</b>		<b>219</b>	

Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>80</b>	Annelida	58	55.8	238	59.2
	Mollusca	22	21.2	50	12.4
	Arthropoda	12	11.5	59	14.7
	Echinodermata	0	0.0	0	0.0
	Other Taxa	12	11.5	55	13.7
	<b>Total</b>	<b>104</b>		<b>402</b>	
<b>81</b>	Annelida	57	57.0	139	63.2
	Mollusca	21	21.0	29	13.2
	Arthropoda	13	13.0	25	11.4
	Echinodermata	1	1.0	2	0.9
	Other Taxa	8	8.0	25	11.4
	<b>Total</b>	<b>100</b>		<b>220</b>	
<b>82</b>	Annelida	86	55.5	355	60.2
	Mollusca	28	18.1	77	13.1
	Arthropoda	26	16.8	73	12.4
	Echinodermata	4	2.6	9	1.5
	Other Taxa	11	7.1	76	12.9
	<b>Total</b>	<b>155</b>		<b>590</b>	
<b>83</b>	Annelida	67	44.1	306	46.3
	Mollusca	37	24.3	196	29.7
	Arthropoda	37	24.3	117	17.7
	Echinodermata	2	1.3	6	0.9
	Other Taxa	9	5.9	36	5.4
	<b>Total</b>	<b>152</b>		<b>661</b>	
<b>84</b>	Annelida	80	51.0	205	41.7
	Mollusca	29	18.5	127	25.8
	Arthropoda	36	22.9	127	25.8
	Echinodermata	3	1.9	4	0.8
	Other Taxa	9	5.7	29	5.9
	<b>Total</b>	<b>157</b>		<b>492</b>	
<b>85</b>	Annelida	58	45.0	174	34.7
	Mollusca	35	27.1	225	44.9
	Arthropoda	24	18.6	74	14.8
	Echinodermata	1	0.8	3	0.6
	Other Taxa	11	8.5	25	5.0
	<b>Total</b>	<b>129</b>		<b>501</b>	

Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>86</b>	Annelida	32	31.1	95	23.4
	Mollusca	33	32.0	98	24.1
	Arthropoda	30	29.1	112	27.6
	Echinodermata	2	1.9	4	1.0
	Other Taxa	6	5.8	97	23.9
	<b>Total</b>	<b>103</b>		<b>406</b>	
<b>87</b>	Annelida	35	46.1	88	46.8
	Mollusca	17	22.4	50	26.6
	Arthropoda	17	22.4	29	15.4
	Echinodermata	1	1.3	1	0.5
	Other Taxa	6	7.9	20	10.6
	<b>Total</b>	<b>76</b>		<b>188</b>	
<b>88</b>	Annelida	43	53.8	133	55.9
	Mollusca	15	18.8	33	13.9
	Arthropoda	13	16.3	51	21.4
	Echinodermata	2	2.5	2	0.8
	Other Taxa	7	8.8	19	8.0
	<b>Total</b>	<b>80</b>		<b>238</b>	
<b>89</b>	Annelida	76	54.3	384	64.1
	Mollusca	26	18.6	72	12.0
	Arthropoda	26	18.6	100	16.7
	Echinodermata	2	1.4	9	1.5
	Other Taxa	10	7.1	34	5.7
	<b>Total</b>	<b>140</b>		<b>599</b>	
<b>90</b>	Annelida	28	46.7	56	30.1
	Mollusca	15	25.0	95	51.1
	Arthropoda	9	15.0	18	9.7
	Echinodermata	1	1.7	2	1.1
	Other Taxa	7	11.7	15	8.1
	<b>Total</b>	<b>60</b>		<b>186</b>	
<b>91</b>	Annelida	77	43.5	524	43.6
	Mollusca	39	22.0	329	27.4
	Arthropoda	53	29.9	269	22.4
	Echinodermata	2	1.1	9	0.7
	Other Taxa	6	3.4	70	5.8
	<b>Total</b>	<b>177</b>		<b>1,201</b>	

Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>92</b>	Annelida	84	52.8	336	51.2
	Mollusca	36	22.6	173	26.4
	Arthropoda	26	16.4	85	13.0
	Echinodermata	2	1.3	11	1.7
	Other Taxa	11	6.9	51	7.8
	<b>Total</b>	<b>159</b>		<b>656</b>	
<b>93</b>	Annelida	56	49.6	179	31.2
	Mollusca	36	31.9	279	48.6
	Arthropoda	15	13.3	34	5.9
	Echinodermata	1	0.9	1	0.2
	Other Taxa	5	4.4	81	14.1
	<b>Total</b>	<b>113</b>		<b>574</b>	
<b>95</b>	Annelida	61	59.2	241	67.3
	Mollusca	11	10.7	18	5.0
	Arthropoda	24	23.3	44	12.3
	Echinodermata	2	1.9	7	2.0
	Other Taxa	5	4.9	48	13.4
	<b>Total</b>	<b>103</b>		<b>358</b>	
<b>96</b>	Annelida	83	61.9	323	73.1
	Mollusca	17	12.7	28	6.3
	Arthropoda	20	14.9	46	10.4
	Echinodermata	2	1.5	7	1.6
	Other Taxa	12	9.0	38	8.6
	<b>Total</b>	<b>134</b>		<b>442</b>	
<b>97</b>	Annelida	77	56.2	245	45.7
	Mollusca	16	11.7	113	21.1
	Arthropoda	35	25.5	123	22.9
	Echinodermata	1	0.7	3	0.6
	Other Taxa	8	5.8	52	9.7
	<b>Total</b>	<b>137</b>		<b>536</b>	
<b>98</b>	Annelida	67	45.9	258	32.8
	Mollusca	28	19.2	278	35.4
	Arthropoda	42	28.8	223	28.4
	Echinodermata	0	0.0	0	0.0
	Other Taxa	9	6.2	27	3.4
	<b>Total</b>	<b>146</b>		<b>786</b>	



Table 4 continued:

Station	Taxa	No. of Taxa	% of Total	No. of Individuals (per 0.04 m <sup>2</sup> )	% of Total
<b>99</b>	Annelida	83	58.5	278	56.9
	Mollusca	30	21.1	141	28.8
	Arthropoda	20	14.1	39	8.0
	Echinodermata	2	1.4	4	0.8
	Other Taxa	7	4.9	27	5.5
	<b>Total</b>	<b>142</b>		<b>489</b>	
<b>100</b>	Annelida	64	40.8	167	24.0
	Mollusca	47	29.9	342	49.2
	Arthropoda	34	21.7	69	9.9
	Echinodermata	4	2.5	7	1.0
	Other Taxa	8	5.1	110	15.8
	<b>Total</b>	<b>157</b>		<b>695</b>	
<b>105</b>	Annelida	64	43.2	207	44.8
	Mollusca	36	24.3	153	33.1
	Arthropoda	35	23.6	77	16.7
	Echinodermata	3	2.0	4	0.9
	Other Taxa	10	6.8	21	4.5
	<b>Total</b>	<b>148</b>		<b>462</b>	
<b>106</b>	Annelida	96	48.2	712	59.7
	Mollusca	42	21.1	281	23.6
	Arthropoda	47	23.6	125	10.5
	Echinodermata	4	2.0	9	0.8
	Other Taxa	10	5.0	65	5.5
	<b>Total</b>	<b>199</b>		<b>1,192</b>	
<b>107</b>	Annelida	64	40.0	355	42.4
	Mollusca	46	28.8	219	26.1
	Arthropoda	43	26.9	204	24.3
	Echinodermata	1	0.6	1	0.1
	Other Taxa	6	3.8	59	7.0
	<b>Total</b>	<b>160</b>		<b>838</b>	
<b>114</b>	Annelida	78	48.8	596	54.8
	Mollusca	45	28.1	298	27.4
	Arthropoda	26	16.3	68	6.3
	Echinodermata	2	1.3	6	0.6
	Other Taxa	9	5.6	120	11.0
	<b>Total</b>	<b>160</b>		<b>1,088</b>	

Table 5. Distribution and abundance of taxa for the South Florida Gulf stations, August 2000.

Taxon Name	Phylum	Class	No. of Individuals	% of Total	Cumulative %	Station Occurrence	% Station Occurrence
<i>Litocorsa antennata</i>	Ann	Poly	1532	2.44	2.44	81	79
Tubificidae (LPIL)	Ann	Olig	1447	2.31	4.75	92	90
<i>Crassinella lunulata</i>	Mol	Biva	1331	2.12	6.87	87	85
Rhynchocoela (LPIL)	Rhy	–	1305	2.08	8.96	102	100
Sipuncula (LPIL)	Sip	–	1271	2.03	10.98	97	95
<i>Magelona pettiboneae</i>	Ann	Poly	1236	1.97	12.95	73	72
<i>Scoletoma verrilli</i>	Ann	Poly	1195	1.91	14.86	78	76
<i>Lucina radians</i>	Mol	Biva	1128	1.80	16.66	47	46
<i>Armandia maculata</i>	Ann	Poly	1078	1.72	18.38	86	84
<i>Prionospio cristata</i>	Ann	Poly	892	1.42	19.80	62	61
<i>Lucina</i> (LPIL)	Mol	Biva	853	1.36	21.16	44	43
<i>Prionospio</i> (LPIL)	Ann	Poly	831	1.33	22.49	80	78
<i>Ceratocephale oculata</i>	Ann	Poly	796	1.27	23.76	80	78
<i>Caecum pulchellum</i>	Mol	Gast	790	1.26	25.02	62	61
<i>Lucina multilineata</i>	Mol	Biva	762	1.22	26.23	29	28
<i>Goniadides carolinae</i>	Ann	Poly	727	1.16	27.39	48	47
<i>Fabricinuda trilobata</i>	Ann	Poly	720	1.15	28.54	83	81
Maldanidae (LPIL)	Ann	Poly	690	1.10	29.64	89	87
Cnidaria (LPIL)	Cni	–	580	0.93	30.57	56	55
<i>Leptochelia</i> (LPIL)	Art	Mala	572	0.91	31.48	81	79
<i>Galathowenia oculata</i>	Ann	Poly	551	0.88	32.36	82	80
<i>Xenanthura brevitelson</i>	Art	Mala	549	0.88	33.23	65	64
<i>Tellina</i> (LPIL)	Mol	Biva	538	0.86	34.09	74	73
<i>Eunice unifrons</i>	Ann	Poly	532	0.85	34.94	71	70
<i>Aricidea</i> (LPIL)	Ann	Poly	526	0.84	35.78	84	82
Actiniaria (LPIL)	Cni	Anth	521	0.83	36.61	61	60
Bryozoa (LPIL)	Bry	–	519	0.83	37.44	57	56
<i>Aricidea taylori</i>	Ann	Poly	514	0.82	38.26	57	56
<i>Diplodonta</i> (LPIL)	Mol	Biva	507	0.81	39.07	55	54
<i>Branchiostoma</i> (LPIL)	Cho	Lept	497	0.79	39.86	53	52
<i>Chone</i> (LPIL)	Ann	Poly	493	0.79	40.64	85	83
<i>Diplodonta semiaspera</i>	Mol	Biva	484	0.77	41.42	50	49
<i>Exogone rolani</i>	Ann	Poly	484	0.77	42.19	71	70
<i>Bunakenia</i> sp. B	Art	Mala	463	0.74	42.93	30	29
<i>Mediomastus</i> (LPIL)	Ann	Poly	458	0.73	43.66	48	47
Cirratulidae (LPIL)	Ann	Poly	451	0.72	44.38	90	88
Bivalvia (LPIL)	Mol	Biva	449	0.72	45.09	91	89
Ampharetidae (LPIL)	Ann	Poly	447	0.71	45.81	71	70
<i>Sphaerosyllis piriferopsis</i>	Ann	Poly	445	0.71	46.52	59	58
Lucinidae (LPIL)	Mol	Biva	432	0.69	47.20	53	52
Polyplacophora (LPIL)	Mol	Polyp	424	0.68	47.88	39	38
<i>Synelmis acuminata</i>	Ann	Poly	419	0.67	48.55	37	36
<i>Goniadella</i> sp. A	Ann	Poly	411	0.66	49.20	38	37
<i>Finella dubia</i>	Mol	Gast	396	0.63	49.84	37	36
Ophiuroidea (LPIL)	Ech	Ophi	370	0.59	50.43	86	84
<i>Tubulanus</i> (LPIL)	Rhy	Anop	369	0.59	51.02	68	67
<i>Levinsenia gracilis</i>	Ann	Poly	363	0.58	51.59	55	54
Terebellidae (LPIL)	Ann	Poly	361	0.58	52.17	73	72
<i>Apseudes propinquus</i>	Art	Mala	360	0.57	52.74	10	10
<i>Ampelisca</i> (LPIL)	Art	Mala	354	0.56	53.31	79	77
Asciacea (LPIL)	Cho	Asci	327	0.52	53.83	56	55
<i>Filogranula</i> sp. A	Ann	Poly	313	0.50	54.33	7	7
Nereididae (LPIL)	Ann	Poly	301	0.48	54.81	73	72
Spionidae (LPIL)	Ann	Poly	288	0.46	55.27	76	75

Table 5 continued:

<b>Taxon Name</b>	<b>Phylum</b>	<b>Class</b>	<b>No. of Individuals</b>	<b>% of Total</b>	<b>Cumulative %</b>	<b>Station Occurrence</b>	<b>% Station Occurrence</b>
<i>Nereis falsa</i>	Ann	Poly	282	0.45	55.72	61	60
Capitellidae (LPIL)	Ann	Poly	276	0.44	56.16	86	84
<i>Chevalia carpenteri</i>	Art	Mala	272	0.43	56.59	20	20
<i>Caecum johnsoni</i>	Mol	Gast	267	0.43	57.02	25	25
Serpulidae (LPIL)	Ann	Poly	263	0.42	57.44	33	32
<i>Gouldia cerina</i>	Mol	Biva	257	0.41	57.85	61	60
<i>Cirrophorus lyra</i>	Ann	Poly	254	0.41	58.25	56	55
Cerithiidae (LPIL)	Mol	Gast	251	0.40	58.65	52	51
<i>Psammokalliapseudes granulosus</i>	Art	Mala	247	0.39	59.05	34	33
<i>Diplodonta punctata</i>	Mol	Biva	246	0.39	59.44	25	25
<i>Fimbriosthenelais minor</i>	Ann	Poly	241	0.38	59.82	65	64
Brachiopoda (LPIL)	Bra	–	240	0.38	60.21	51	50
<i>Caecum imbricatum</i>	Mol	Gast	240	0.38	60.59	37	36
<i>Haplosyllis spongicola</i>	Ann	Poly	238	0.38	60.97	15	15
Sabellidae (LPIL)	Ann	Poly	228	0.36	61.33	68	67
<i>Exogone lourei</i>	Ann	Poly	224	0.36	61.69	41	40
Eunicidae (LPIL)	Ann	Poly	223	0.36	62.05	62	61
<i>Aspidosiphon albus</i>	Sip	–	222	0.35	62.40	51	50
Aoridae (LPIL)	Art	Mala	221	0.35	62.75	60	59
<i>Synelmis</i> (LPIL)	Ann	Poly	216	0.34	63.10	52	51
<i>Paleanotus</i> sp. A	Ann	Poly	210	0.33	63.43	60	59
<i>Acanthohaustorius pansus</i>	Art	Mala	208	0.33	63.76	15	15
<i>Pseudovermilia occidentalis</i>	Ann	Poly	208	0.33	64.10	17	17
<i>Nucula aegeensis</i>	Mol	Biva	207	0.33	64.43	40	39
<i>Acteocina candei</i>	Mol	Gast	206	0.33	64.75	49	48
Glyceridae (LPIL)	Ann	Poly	204	0.33	65.08	47	46
<i>Nematonereis hebes</i>	Ann	Poly	204	0.33	65.41	42	41
<i>Crenella divaricata</i>	Mol	Biva	201	0.32	65.73	56	55
<i>Sigambra tentaculata</i>	Ann	Poly	198	0.32	66.04	40	39
<i>Semele nuculoides</i>	Mol	Biva	197	0.31	66.36	26	25
<i>Lysippe</i> cf. <i>annectens</i>	Ann	Poly	193	0.31	66.66	34	33
Lumbrineridae (LPIL)	Ann	Poly	192	0.31	66.97	45	44
<i>Lembos</i> (LPIL)	Art	Mala	188	0.30	67.27	38	37
<i>Aricidea catherinae</i>	Ann	Poly	185	0.30	67.56	41	40
<i>Monticellina dorsobranchialis</i>	Ann	Poly	182	0.29	67.85	56	55
<i>Bhawania heteroseta</i>	Ann	Poly	177	0.28	68.14	13	13
<i>Caecum floridanum</i>	Mol	Gast	175	0.28	68.42	32	31
Enchytraeidae (LPIL)	Ann	Olig	170	0.27	68.69	39	38
<i>Aricidea suecica</i>	Ann	Poly	169	0.27	68.96	36	35
<i>Caecum cubitatum</i>	Mol	Gast	163	0.26	69.22	45	44
<i>Aspidosiphon</i> (LPIL)	Sip	–	159	0.25	69.47	54	53
Syllidae (LPIL)	Ann	Poly	154	0.25	69.72	54	53
<i>Paramicrodeutopus myersi</i>	Art	Mala	146	0.23	69.95	38	37
<i>Syllis cornuta</i>	Ann	Poly	146	0.23	70.18	40	39
Aplacophora (LPIL)	Mol	Apla	145	0.23	70.41	18	18
<i>Saltipedis</i> sp. B	Art	Mala	144	0.23	70.64	22	22
<i>Aricidea wassi</i>	Ann	Poly	141	0.22	70.87	14	14
<i>Syllis ortizi</i>	Ann	Poly	141	0.22	71.09	31	30
<i>Synelmis ewingi</i>	Ann	Poly	141	0.22	71.32	38	37
<i>Nereis micromma</i>	Ann	Poly	139	0.22	71.54	22	22
<i>Terebellides parvus</i>	Ann	Poly	138	0.22	71.76	49	48
<i>Apoprionospio pygmaea</i>	Ann	Poly	136	0.22	71.98	18	18
Gastropoda (LPIL)	Mol	Gast	135	0.22	72.19	51	50
<i>Solemya occidentalis</i>	Mol	Biva	135	0.22	72.41	34	33
<i>Tellina versicolor</i>	Mol	Biva	132	0.21	72.62	20	20

Table 5 continued:

<b>Taxon Name</b>	<b>Phylum</b>	<b>Class</b>	<b>No. of Individuals</b>	<b>% of Total</b>	<b>Cumulative %</b>	<b>Station Occurrence</b>	<b>% Station Occurrence</b>
<i>Amakusanthura magnifica</i>	Art	Mala	131	0.21	72.83	34	33
Melitidae (LPIL)	Art	Mala	129	0.21	73.03	22	22
<i>Axiothella mucosa</i>	Ann	Poly	127	0.20	73.23	45	44
<i>Syllis gracilis</i>	Ann	Poly	127	0.20	73.44	15	15
<i>Ceratonereis</i> (LPIL)	Ann	Poly	125	0.20	73.64	47	46
<i>Paramphinome</i> sp. B	Ann	Poly	124	0.20	73.83	35	34
<i>Syllis danieli</i>	Ann	Poly	122	0.19	74.03	27	26
<i>Kalliapseudes</i> sp. C	Art	Mala	119	0.19	74.22	35	34
Semelidae (LPIL)	Mol	Biva	117	0.19	74.41	24	24
<i>Acuminodeutopus naglei</i>	Art	Mala	115	0.18	74.59	21	21
Hesionidae (LPIL)	Ann	Poly	115	0.18	74.77	47	46
<i>Aspidosiphon muelleri</i>	Sip	-	114	0.18	74.95	44	43
<i>Polycirrus</i> (LPIL)	Ann	Poly	110	0.18	75.13	44	43
<i>Aricidea philbinae</i>	Ann	Poly	106	0.17	75.30	24	24
<i>Metharpinia floridana</i>	Art	Mala	106	0.17	75.47	20	20
<i>Ancistrosyllis hartmanae</i>	Ann	Poly	105	0.17	75.64	33	32
<i>Pitar fulminatus</i>	Mol	Biva	103	0.16	75.80	39	38
<i>Maera caroliniana</i>	Art	Mala	102	0.16	75.96	17	17
<i>Ceradocus shoemakeri</i>	Art	Mala	99	0.16	76.12	8	8
<i>Owenia fusiformis</i>	Ann	Poly	99	0.16	76.28	39	38
<i>Parapionosyllis uebelackerae</i>	Ann	Poly	99	0.16	76.44	13	13
<i>Calozodion wadei</i>	Art	Mala	92	0.15	76.58	16	16
<i>Tellina listeri</i>	Mol	Biva	90	0.14	76.73	25	25
<i>Cumella garrityi</i>	Art	Mala	88	0.14	76.87	29	28
<i>Deutella incerta</i>	Art	Mala	88	0.14	77.01	24	24
Automate (LPIL)	Art	Mala	87	0.14	77.15	36	35
<i>Paraprionospio pinnata</i>	Ann	Poly	87	0.14	77.28	33	32
<i>Pagurus</i> (LPIL)	Art	Mala	86	0.14	77.42	40	39
<i>Pionosyllis weismanni</i>	Ann	Poly	86	0.14	77.56	24	24
<i>Protodorvillea kefersteini</i>	Ann	Poly	82	0.13	77.69	25	25
<i>Gammaropsis</i> (LPIL)	Art	Mala	81	0.13	77.82	31	30
<i>Acteocina lepta</i>	Mol	Gast	80	0.13	77.95	21	21
<i>Tellina sybaritica</i>	Mol	Biva	80	0.13	78.07	20	20
<i>Varicorbula operculata</i>	Mol	Biva	80	0.13	78.20	25	25
Paraonidae (LPIL)	Ann	Poly	78	0.12	78.33	42	41
<i>Syllis</i> (LPIL)	Ann	Poly	78	0.12	78.45	32	31
<i>Asthenothaerus hemphilli</i>	Mol	Biva	77	0.12	78.57	36	35
<i>Caulleriella</i> cf. <i>alata</i>	Ann	Poly	77	0.12	78.70	28	27
<i>Glycera</i> (LPIL)	Ann	Poly	77	0.12	78.82	24	24
<i>Phoronis</i> (LPIL)	Pho	-	77	0.12	78.94	23	23
<i>Anadara transversa</i>	Mol	Biva	76	0.12	79.06	10	10
<i>Cerithidea</i> (LPIL)	Mol	Gast	76	0.12	79.18	1	1
<i>Netamelita brocha</i>	Art	Mala	76	0.12	79.31	21	21
<i>Prohadzia schoenerae</i>	Art	Mala	76	0.12	79.43	9	9
Turridae (LPIL)	Mol	Gast	76	0.12	79.55	42	41
<i>Mooreonuphis nebulosa</i>	Ann	Poly	75	0.12	79.67	33	32
<i>Taylorpholoe hirsuta</i>	Ann	Poly	75	0.12	79.79	23	23
<i>Campylaspis heardi</i>	Art	Mala	74	0.12	79.90	33	32
Lineidae (LPIL)	Rhy	Anop	74	0.12	80.02	45	44
<i>Pisione</i> sp. A	Ann	Poly	74	0.12	80.14	20	20
<i>Sthenelanella</i> sp. A	Ann	Poly	74	0.12	80.26	24	24
<i>Aricidea cerrutii</i>	Ann	Poly	73	0.12	80.38	31	30
<i>Cadulus agassizi</i>	Mol	Scap	73	0.12	80.49	17	17
<i>Opisthodonta</i> sp. B	Ann	Poly	73	0.12	80.61	25	25
<i>Cumella</i> (LPIL)	Art	Mala	72	0.11	80.72	29	28

Table 5 continued:

<b>Taxon Name</b>	<b>Phylum</b>	<b>Class</b>	<b>No. of Individuals</b>	<b>% of Total</b>	<b>Cumulative %</b>	<b>Station Occurrence</b>	<b>% Station Occurrence</b>
<i>Nereis pelagica</i>	Ann	Poly	72	0.11	80.84	20	20
<i>Cumella tripunctata</i>	Art	Mala	71	0.11	80.95	21	21
<i>Americhelidium americanum</i>	Art	Mala	69	0.11	81.06	32	31
<i>Cirrophorus</i> (LPIL)	Ann	Poly	69	0.11	81.17	36	35
<i>Tectonatica pusilla</i>	Mol	Gast	69	0.11	81.28	28	27
<i>Arene tricarinata</i>	Mol	Gast	66	0.11	81.39	22	22
<i>Bittium varium</i>	Mol	Gast	66	0.11	81.49	5	5
<i>Polygordius</i> (LPIL)	Ann	Poly	66	0.11	81.60	19	19
<i>Semele</i> (LPIL)	Mol	Biva	66	0.11	81.70	28	27
<i>Sipunculus nudus</i>	Sip	–	66	0.11	81.81	30	29
<i>Ehlersia ferrugina</i>	Ann	Poly	65	0.10	81.91	28	27
<i>Turbonilla</i> (LPIL)	Mol	Gast	64	0.10	82.01	33	32
Veneridae (LPIL)	Mol	Biva	64	0.10	82.12	27	26
<i>Syllis corallicola</i>	Ann	Poly	63	0.10	82.22	15	15
<i>Kinbergonuphis simoni</i>	Ann	Poly	61	0.10	82.31	24	24
Tellinidae (LPIL)	Mol	Biva	61	0.10	82.41	25	25
<i>Cadulus</i> (LPIL)	Mol	Scap	60	0.10	82.51	14	14
<i>Laonice cirrata</i>	Ann	Poly	60	0.10	82.60	27	26
<i>Podarkeopsis levifuscina</i>	Ann	Poly	60	0.10	82.70	36	35
<i>Semele proficua</i>	Mol	Biva	60	0.10	82.79	26	25
<i>Dentatisyllis carolinae</i>	Ann	Poly	59	0.09	82.89	13	13
<i>Eurydice convexa</i>	Art	Mala	59	0.09	82.98	17	17
<i>Mooreonuphis pallidula</i>	Ann	Poly	59	0.09	83.08	31	30
Onuphidae (LPIL)	Ann	Poly	59	0.09	83.17	38	37
<i>Pinnixa</i> (LPIL)	Art	Mala	59	0.09	83.26	17	17
<i>Poecilochaetus johnsoni</i>	Ann	Poly	59	0.09	83.36	34	33
<i>Calyptraea centralis</i>	Mol	Gast	58	0.09	83.45	20	20
<i>Eunice</i> (LPIL)	Ann	Poly	58	0.09	83.54	25	25
<i>Mediomastus californiensis</i>	Ann	Poly	58	0.09	83.64	12	12
<i>Rhepoxynius epistomus</i>	Art	Mala	58	0.09	83.73	10	10
<i>Craspedochiton hemphilli</i>	Mol	Polyp	55	0.09	83.82	10	10
<i>Grubeulepis mexicana</i>	Ann	Poly	55	0.09	83.90	19	19
<i>Magelona</i> sp. C	Ann	Poly	54	0.09	83.99	13	13
<i>Podarke obscura</i>	Ann	Poly	54	0.09	84.08	18	18
<i>Volvulella persimilis</i>	Mol	Gast	54	0.09	84.16	27	26
<i>Crassinella martinicensis</i>	Mol	Biva	53	0.08	84.25	9	9
<i>Elasmopus</i> sp. C	Art	Mala	53	0.08	84.33	8	8
<i>Isolda pulchella</i>	Ann	Poly	53	0.08	84.42	25	25
<i>Cirrophorus branchiatus</i>	Ann	Poly	52	0.08	84.50	26	25
Echinoidea (LPIL)	Ech	Echin	52	0.08	84.58	27	26
<i>Heteropodarke lyonsi</i>	Ann	Poly	52	0.08	84.66	22	22
<i>Nereimyra</i> sp. A	Ann	Poly	52	0.08	84.75	14	14
<i>Notomastus</i> (LPIL)	Ann	Poly	52	0.08	84.83	27	26
<i>Goniada maculata</i>	Ann	Poly	51	0.08	84.91	32	31
<i>Haminoea</i> sp. A	Mol	Gast	51	0.08	84.99	25	25
<i>Kupellonura</i> sp. A	Art	Mala	51	0.08	85.07	12	12
<i>Spiochaetopterus oculatus</i>	Ann	Poly	51	0.08	85.16	20	20
<i>Syllis</i> sp. C	Ann	Poly	50	0.08	85.24	12	12
<i>Heterophoxus</i> sp. C	Art	Mala	49	0.08	85.31	13	13
<i>Lysidice notata</i>	Ann	Poly	49	0.08	85.39	25	25
<i>Pionosyllis gesae</i>	Ann	Poly	49	0.08	85.47	20	20
<i>Apoprionospio dayi</i>	Ann	Poly	48	0.08	85.55	7	7
<i>Tubiluchus corallicola</i>	Pri	–	48	0.08	85.62	1	1
<i>Pakistanapseudes</i> sp. A	Art	Mala	46	0.07	85.70	17	17
<i>Sphaerosyllis glandulata</i>	Ann	Poly	46	0.07	85.77	12	12

Table 5 continued:

<b>Taxon Name</b>	<b>Phylum</b>	<b>Class</b>	<b>No. of Individuals</b>	<b>% of Total</b>	<b>Cumulative %</b>	<b>Station Occurrence</b>	<b>% Station Occurrence</b>
<i>Cyclaspis</i> sp. N	Art	Mala	45	0.07	85.84	15	15
<i>Levinsenia reducta</i>	Ann	Poly	45	0.07	85.91	17	17
<i>Magelona</i> sp. I	Ann	Poly	45	0.07	85.98	22	22
<i>Netamelita barnardi</i>	Art	Mala	45	0.07	86.06	13	13
<i>Notomastus latericeus</i>	Ann	Poly	45	0.07	86.13	32	31
Phyllodocidae (LPIL)	Ann	Poly	45	0.07	86.20	27	26
<i>Ampelisca agassizi</i>	Art	Mala	44	0.07	86.27	17	17
<i>Eudevenopus honduranus</i>	Art	Mala	44	0.07	86.34	11	11
<i>Lumbrineris</i> (LPIL)	Ann	Poly	43	0.07	86.41	24	24
<i>Phtisica marina</i>	Art	Mala	43	0.07	86.48	19	19
<i>Cumella</i> sp. L	Art	Mala	42	0.07	86.54	15	15
<i>Dipolydora</i> sp. D	Ann	Poly	42	0.07	86.61	19	19
<i>Notomastus tenuis</i>	Ann	Poly	42	0.07	86.68	21	21
<i>Pista palmata</i>	Ann	Poly	42	0.07	86.75	14	14
<i>Shoemakerella cubensis</i>	Art	Mala	42	0.07	86.81	20	20
<i>Syllis beneliahui</i>	Ann	Poly	42	0.07	86.88	20	20
<i>Cumella</i> sp. N	Art	Mala	41	0.07	86.95	24	24
<i>Cyclaspis varians</i>	Art	Mala	40	0.06	87.01	14	14
<i>Photis</i> (LPIL)	Art	Mala	40	0.06	87.07	23	23
<i>Saltipedis</i> sp. A	Art	Mala	40	0.06	87.14	8	8
<i>Autolytus</i> (LPIL)	Ann	Poly	39	0.06	87.20	25	25
Dorvilleidae (LPIL)	Ann	Poly	38	0.06	87.26	23	23
<i>Glycera americana</i>	Ann	Poly	38	0.06	87.32	24	24
<i>Scoletoma impatiens</i>	Ann	Poly	38	0.06	87.38	15	15
<i>Scoloplos rubra</i>	Ann	Poly	38	0.06	87.44	25	25
<i>Semele purpurascens</i>	Mol	Biva	38	0.06	87.50	21	21
Xanthidae (LPIL)	Art	Mala	38	0.06	87.56	22	22
<i>Campylaspis</i> sp. O	Art	Mala	37	0.06	87.62	18	18
<i>Lumbrineris latreilli</i>	Ann	Poly	37	0.06	87.68	14	14
<i>Mesanthura floridensis</i>	Art	Mala	37	0.06	87.74	20	20
<i>Ampelisca bicarinata</i>	Art	Mala	36	0.06	87.80	11	11
Callianassidae (LPIL)	Art	Mala	36	0.06	87.85	22	22
Genus F Spionidae Genus F	Ann	Poly	36	0.06	87.91	10	10
<i>Horoloanthura irpex</i>	Art	Mala	36	0.06	87.97	14	14
Polynoidae (LPIL)	Ann	Poly	36	0.06	88.03	27	26
<i>Antalis ceratum</i>	Mol	Scap	35	0.06	88.08	16	16
<i>Cyclaspis unicornis</i>	Art	Mala	35	0.06	88.14	24	24
<i>Elasmopus levis</i>	Art	Mala	35	0.06	88.19	5	5
<i>Gastrochaena hians</i>	Mol	Biva	35	0.06	88.25	12	12
<i>Glycera</i> sp. E	Ann	Poly	35	0.06	88.31	18	18
<i>Pectinaria gouldii</i>	Ann	Poly	35	0.06	88.36	20	20
<i>Ampelisca</i> sp. Y	Art	Mala	34	0.05	88.42	17	17
<i>Cumella</i> sp. P	Art	Mala	34	0.05	88.47	11	11
Goniadidae (LPIL)	Ann	Poly	34	0.05	88.52	23	23
<i>Heteropodarke formalis</i>	Ann	Poly	34	0.05	88.58	16	16
<i>Magelona</i> (LPIL)	Ann	Poly	34	0.05	88.63	20	20
<i>Prionospio lighti</i>	Ann	Poly	34	0.05	88.69	10	10
<i>Scoletoma</i> (LPIL)	Ann	Poly	34	0.05	88.74	20	20
<i>Alys sandersoni</i>	Mol	Gast	33	0.05	88.79	20	20
<i>Batea carinata</i>	Art	Mala	33	0.05	88.85	21	21
<i>Brania wellfleetensis</i>	Ann	Poly	33	0.05	88.90	11	11
Corbulidae (LPIL)	Mol	Biva	33	0.05	88.95	15	15
<i>Loimia</i> sp. A	Ann	Poly	33	0.05	89.00	15	15
<i>Lumbrineris coccinea</i>	Ann	Poly	33	0.05	89.06	21	21
<i>Munnogonium</i> sp. A	Art	Mala	33	0.05	89.11	13	13

Table 5 continued:

<b>Taxon Name</b>	<b>Phylum</b>	<b>Class</b>	<b>No. of Individuals</b>	<b>% of Total</b>	<b>Cumulative %</b>	<b>Station Occurrence</b>	<b>% Station Occurrence</b>
<i>Sigalionidae</i> (LPIL)	Ann	Poly	33	0.05	89.16	27	26
<i>Nuculana</i> (LPIL)	Mol	Biva	32	0.05	89.21	10	10
<i>Plesiolembos unifasciatus</i>	Art	Mala	32	0.05	89.26	9	9
<i>Fimbriosthenelais</i> (LPIL)	Ann	Poly	31	0.05	89.31	18	18
Manazanellidae Genus A	Mol	Biva	31	0.05	89.36	14	14
<i>Syllis broomensis</i>	Ann	Poly	31	0.05	89.41	10	10
<i>Caecum cooperi</i>	Mol	Gast	30	0.05	89.46	2	2
Decapoda (LPIL)	Art	Mala	30	0.05	89.51	22	22
<i>Megalomma</i> (LPIL)	Ann	Poly	30	0.05	89.56	24	24
<i>Pettiboneia duofurca</i>	Ann	Poly	30	0.05	89.60	12	12
<i>Acteocina canaliculata</i>	Mol	Gast	29	0.05	89.65	10	10
<i>Corbula contracta</i>	Mol	Biva	29	0.05	89.70	16	16
<i>Cymatoica orientalis</i>	Mol	Biva	29	0.05	89.74	16	16
<i>Musculus lateralis</i>	Mol	Biva	29	0.05	89.79	17	17
<i>Prionospio steenstrupi</i>	Ann	Poly	29	0.05	89.84	9	9
<i>Sabaco americanus</i>	Ann	Poly	29	0.05	89.88	21	21
<i>Zebina browniana</i>	Mol	Gast	29	0.05	89.93	5	5
<i>Ampelisca cristata</i>	Art	Mala	28	0.04	89.97	7	7
<i>Aricidea simplex</i>	Ann	Poly	28	0.04	90.02	10	10
<i>Ceratonereis mirabilis</i>	Ann	Poly	28	0.04	90.06	10	10
<i>Dentalium</i> (LPIL)	Mol	Scap	28	0.04	90.11	13	13
<i>Erichthonius brasiliensis</i>	Art	Mala	28	0.04	90.15	14	14
<i>Kalliapseudes bahamaensis</i>	Art	Mala	28	0.04	90.20	16	16
<i>Phyllodoce longipes</i>	Ann	Poly	28	0.04	90.24	21	21
<i>Pseudoleptocheilia</i> sp. A	Art	Mala	28	0.04	90.29	6	6
<i>Upogebia</i> (LPIL)	Art	Mala	28	0.04	90.33	12	12
<i>Codakia costata</i>	Mol	Biva	27	0.04	90.37	1	1
<i>Cryoturris citronella</i>	Mol	Gast	27	0.04	90.42	15	15
Phoxocephalidae (LPIL)	Art	Mala	27	0.04	90.46	18	18
<i>Schistomeringos pectinata</i>	Ann	Poly	27	0.04	90.50	16	16
<i>Sphaerosyllis</i> (LPIL)	Ann	Poly	27	0.04	90.55	14	14
<i>Apeudes orghidani</i>	Art	Mala	26	0.04	90.59	2	2
<i>Bunakenia</i> sp. C	Art	Mala	26	0.04	90.63	3	3
<i>Cadulus quadridentatus</i>	Mol	Scap	26	0.04	90.67	4	4
<i>Cyclaspis pustulata</i>	Art	Mala	26	0.04	90.71	20	20
<i>Diopatra cuprea</i>	Ann	Poly	26	0.04	90.75	13	13
<i>Dipolydora socialis</i>	Ann	Poly	26	0.04	90.79	12	12
<i>Gnathia</i> (LPIL)	Art	Mala	26	0.04	90.84	13	13
Majidae (LPIL)	Art	Mala	26	0.04	90.88	19	19
Mytilidae (LPIL)	Mol	Biva	26	0.04	90.92	18	18
<i>Nephtys simoni</i>	Ann	Poly	26	0.04	90.96	14	14
<i>Onchnesoma steenstrupi</i>	Sip	-	26	0.04	91.00	6	6
<i>Phyllodoce</i> (LPIL)	Ann	Poly	26	0.04	91.04	21	21
<i>Scoloplos</i> (LPIL)	Ann	Poly	26	0.04	91.08	19	19
<i>Strombiformis</i> (LPIL)	Mol	Gast	26	0.04	91.13	20	20
<i>Cardiomya perrostrata</i>	Mol	Biva	25	0.04	91.17	15	15
Columbellidae (LPIL)	Mol	Gast	25	0.04	91.21	15	15
<i>Ervilia concentrica</i>	Mol	Biva	25	0.04	91.25	13	13
<i>Gammaropsis</i> sp. C	Art	Mala	25	0.04	91.29	5	5
<i>Notomastus americanus</i>	Ann	Poly	25	0.04	91.32	18	18
<i>Semele bellastrata</i>	Mol	Biva	25	0.04	91.36	19	19
<i>Trichobranchus glacialis</i>	Ann	Poly	25	0.04	91.40	15	15
<i>Caecum</i> (LPIL)	Mol	Gast	24	0.04	91.44	12	12
<i>Heterospio</i> sp. A	Ann	Poly	24	0.04	91.48	6	6
<i>Nereis allanae</i>	Ann	Poly	24	0.04	91.52	10	10

Table 5 continued:

Taxon Name	Phylum	Class	No. of Individuals	% of Total	Cumulative %	Station Occurrence	% Station Occurrence
<i>Plakosyllis quadrioculata</i>	Ann	Poly	24	0.04	91.56	13	13
<i>Processa</i> (LPIL)	Art	Mala	24	0.04	91.60	14	14
<i>Spio pettiboneae</i>	Ann	Poly	24	0.04	91.63	19	19
<i>Syllis hyalina</i>	Ann	Poly	24	0.04	91.67	9	9
<i>Caecum nitidium</i>	Mol	Gast	23	0.04	91.71	10	10
<i>Cossura soyeri</i>	Ann	Poly	23	0.04	91.75	5	5
<i>Glycera papillosa</i>	Ann	Poly	23	0.04	91.78	4	4
<i>Heterophoxus</i> sp. A	Art	Mala	23	0.04	91.82	7	7
<i>Lumbrinerides acuta</i>	Ann	Poly	23	0.04	91.86	9	9
Montacutidae (LPIL)	Mol	Biva	23	0.04	91.89	12	12
<i>Nuculana acuta</i>	Mol	Biva	23	0.04	91.93	6	6
<i>Odostomia</i> (LPIL)	Mol	Gast	23	0.04	91.97	18	18
<i>Chaetozone</i> (LPIL)	Ann	Poly	22	0.04	92.00	12	12
<i>Corbula</i> (LPIL)	Mol	Biva	22	0.04	92.04	10	10
<i>Euryplax nitida</i>	Art	Mala	22	0.04	92.07	12	12
<i>Leitoscoloplos</i> (LPIL)	Ann	Poly	22	0.04	92.11	13	13
<i>Macoma tenta</i>	Mol	Biva	22	0.04	92.14	14	14
<i>Mitrella lunata</i>	Mol	Gast	22	0.04	92.18	12	12
Ostreidae (LPIL)	Mol	Biva	22	0.04	92.21	6	6
<i>Philine sagra</i>	Mol	Gast	22	0.04	92.25	15	15
<i>Prionospio multibranchiata</i>	Ann	Poly	22	0.04	92.28	11	11
<i>Rictaxis punctostriatus</i>	Mol	Gast	22	0.04	92.32	14	14
Amphipoda (LPIL)	Art	Mala	21	0.03	92.35	14	14
<i>Cylindrobulla beauui</i>	Mol	Gast	21	0.03	92.38	7	7
<i>Kurtziella limonitella</i>	Mol	Gast	21	0.03	92.42	10	10
<i>Leptochela serratorbita</i>	Art	Mala	21	0.03	92.45	13	13
Naticidae (LPIL)	Mol	Gast	21	0.03	92.48	14	14
<i>Nereis</i> (LPIL)	Ann	Poly	21	0.03	92.52	13	13
<i>Odontosyllis enopla</i>	Ann	Poly	21	0.03	92.55	17	17
Pyramidellidae (LPIL)	Mol	Gast	21	0.03	92.58	13	13
<i>Schwartziella bryerea</i>	Mol	Gast	21	0.03	92.62	7	7
<i>Vaunthompsonia floridana</i>	Art	Mala	21	0.03	92.65	5	5
<i>Verticordia ornata</i>	Mol	Biva	21	0.03	92.69	15	15
<i>Ampelisca</i> sp. C	Art	Mala	20	0.03	92.72	12	12
<i>Cumella</i> sp. V	Art	Mala	20	0.03	92.75	8	8
<i>Listriella barnardi</i>	Art	Mala	20	0.03	92.78	13	13
<i>Moelleria</i> sp. A	Mol	Gast	20	0.03	92.81	8	8
Oedicerotidae (LPIL)	Art	Mala	20	0.03	92.84	13	13
Paguridae (LPIL)	Art	Mala	20	0.03	92.88	13	13
<i>Pteromeris perplana</i>	Mol	Biva	20	0.03	92.91	10	10
<i>Sthenelais</i> sp. A	Ann	Poly	20	0.03	92.94	11	11
<i>Streblosoma hartmanae</i>	Ann	Poly	20	0.03	92.97	8	8
<i>Strombiformis hemphilli</i>	Mol	Gast	20	0.03	93.00	14	14
<i>Anodontia alba</i>	Mol	Biva	19	0.03	93.03	8	8
<i>Antalis antillarum</i>	Mol	Scap	19	0.03	93.07	13	13
<i>Apseudes</i> sp. A	Art	Mala	19	0.03	93.10	12	12
<i>Automate evermanni</i>	Art	Mala	19	0.03	93.13	8	8
<i>Chama macerophylla</i>	Mol	Biva	19	0.03	93.16	7	7
<i>Cheramus marginatus</i>	Art	Mala	19	0.03	93.19	12	12
<i>Chione cancellata</i>	Mol	Biva	19	0.03	93.22	14	14
<i>Cumella</i> sp. M	Art	Mala	19	0.03	93.25	7	7
Eulepethidae (LPIL)	Ann	Poly	19	0.03	93.28	14	14
<i>Fauveliopsis</i> sp. A	Ann	Poly	19	0.03	93.31	6	6
<i>Glycera</i> sp. F	Ann	Poly	19	0.03	93.34	8	8
<i>Nephtys picta</i>	Ann	Poly	19	0.03	93.37	6	6
<i>Phascolion strombi</i>	Sip	–	19	0.03	93.40	17	17
Pholoidae (LPIL)	Ann	Poly	19	0.03	93.43	16	16



Table 5 continued:

<b>Taxon Name</b>	<b>Phylum</b>	<b>Class</b>	<b>No. of Individuals</b>	<b>% of Total</b>	<b>Cumulative %</b>	<b>Station Occurrence</b>	<b>% Station Occurrence</b>
Scaphopoda (LPIL)	Mol	Scap	19	0.03	93.46	10	10
<i>Sigambra pettiboneae</i>	Ann	Poly	19	0.03	93.49	8	8
<i>Westwoodilla</i> sp. A	Art	Mala	19	0.03	93.52	12	12
<i>Acteocina bidentata</i>	Mol	Gast	18	0.03	93.55	2	2
<i>Amphicteis scaphobranchiata</i>	Ann	Poly	18	0.03	93.58	14	14
<i>Dulichella appendiculata</i>	Art	Mala	18	0.03	93.61	4	4
<i>Lumbrineris</i> sp. D	Ann	Poly	18	0.03	93.63	4	4
<i>Metaphoxus</i> sp. A	Art	Mala	18	0.03	93.66	7	7
Opheliidae (LPIL)	Ann	Poly	18	0.03	93.69	7	7
<i>Pleuromeris tridentata</i>	Mol	Biva	18	0.03	93.72	12	12
<i>Schistomeringos rudolphi</i>	Ann	Poly	18	0.03	93.75	12	12
<i>Scoletoma ernesti</i>	Ann	Poly	18	0.03	93.78	8	8
<i>Spiophanes missionensis</i>	Ann	Poly	18	0.03	93.81	11	11
<i>Strombiformis bilineatus</i>	Mol	Gast	18	0.03	93.84	12	12
<i>Typosyllis</i> sp. B	Ann	Poly	18	0.03	93.86	2	2
<i>Acteocina</i> (LPIL)	Mol	Gast	17	0.03	93.89	9	9
<i>Armandia agilis</i>	Ann	Poly	17	0.03	93.92	3	3
<i>Bushia</i> sp. A	Mol	Biva	17	0.03	93.95	8	8
<i>Cyclaspis bacescui</i>	Art	Mala	17	0.03	93.97	11	11
<i>Dasybranchus</i> (LPIL)	Ann	Poly	17	0.03	94.00	13	13
<i>Eurydice piperata</i>	Art	Mala	17	0.03	94.03	8	8
<i>Goniada teres</i>	Ann	Poly	17	0.03	94.05	11	11
<i>Leptochela</i> (LPIL)	Art	Mala	17	0.03	94.08	8	8
Olividae (LPIL)	Mol	Gast	17	0.03	94.11	10	10
<i>Terebra dislocata</i>	Mol	Gast	17	0.03	94.14	9	9
Vitrinellidae (LPIL)	Mol	Gast	17	0.03	94.16	11	11
<i>Alpheus</i> (LPIL)	Art	Mala	16	0.03	94.19	11	11
Amphiuridae (LPIL)	Ech	Ophi	16	0.03	94.21	4	4
<i>Nuculana</i> sp. I	Mol	Biva	16	0.03	94.24	6	6
Pycnogonida (LPIL)	Art	Pycn	16	0.03	94.26	8	8
<i>Syllis corallicoloides</i>	Ann	Poly	16	0.03	94.29	2	2
<i>Aglaophamus verrilli</i>	Ann	Poly	15	0.02	94.31	10	10
<i>Alvania auberiana</i>	Mol	Gast	15	0.02	94.34	7	7
<i>Antalis</i> (LPIL)	Mol	Scap	15	0.02	94.36	9	9
Asteroidea (LPIL)	Ech	Aste	15	0.02	94.39	15	15
<i>Chloeia viridis</i>	Ann	Poly	15	0.02	94.41	10	10
<i>Corophium</i> (LPIL)	Art	Mala	15	0.02	94.43	3	3
<i>Cossura</i> (LPIL)	Ann	Poly	15	0.02	94.46	5	5
<i>Dentimargo aureocincta</i>	Mol	Gast	15	0.02	94.48	9	9
<i>Divaricella quadrisulcata</i>	Mol	Biva	15	0.02	94.51	8	8
Hyssuridae (LPIL)	Art	Mala	15	0.02	94.53	8	8
<i>Leiocapitella</i> (LPIL)	Ann	Poly	15	0.02	94.55	8	8
<i>Lucinoma filiosum</i>	Mol	Biva	15	0.02	94.58	2	2
<i>Lumbrinerides dayi</i>	Ann	Poly	15	0.02	94.60	11	11
<i>Sabellaria</i> sp. A	Ann	Poly	15	0.02	94.62	4	4
<i>Sigalion</i> sp. A	Ann	Poly	15	0.02	94.65	6	6
Tanaidacea (LPIL)	Art	Mala	15	0.02	94.67	9	9
<i>Tharyx acutus</i>	Ann	Poly	15	0.02	94.70	12	12
<i>Ampelisca vadorum</i>	Art	Mala	14	0.02	94.72	8	8
<i>Ancistrosyllis jonesi</i>	Ann	Poly	14	0.02	94.74	9	9
<i>Automate</i> sp. D	Art	Mala	14	0.02	94.76	5	5
<i>Branchiomma nigromaculata</i>	Ann	Poly	14	0.02	94.79	6	6
<i>Caulleriella</i> (LPIL)	Ann	Poly	14	0.02	94.81	11	11
<i>Cyclaspis</i> (LPIL)	Art	Mala	14	0.02	94.83	11	11
<i>Decamastus</i> sp. A	Ann	Poly	14	0.02	94.85	13	13
<i>Eurydice personata</i>	Art	Mala	14	0.02	94.88	4	4
<i>Exogone</i> (LPIL)	Ann	Poly	14	0.02	94.90	10	10
<i>Haminoea</i> (LPIL)	Mol	Gast	14	0.02	94.92	5	5

Table 5 continued:

Taxon Name	Phylum	Class	No. of Individuals	% of Total	Cumulative %	Station Occurrence	% Station Occurrence
<i>Lucina nassula</i>	Mol	Biva	14	0.02	94.94	10	10
<i>Nereiphylla fragilis</i>	Ann	Poly	14	0.02	94.96	8	8
Porifera (LPIL)	Por	–	14	0.02	94.99	10	10
<i>Scolecopsis texana</i>	Ann	Poly	14	0.02	95.01	8	8
<i>Sphaerosyllis aciculata</i>	Ann	Poly	14	0.02	95.03	6	6
<i>Tellina aequistriata</i>	Mol	Biva	14	0.02	95.05	6	6
<i>Volvarina avenacea</i>	Mol	Gast	14	0.02	95.08	6	6
Alpheidae (LPIL)	Art	Mala	13	0.02	95.10	8	8
Anthuridae (LPIL)	Art	Mala	13	0.02	95.12	9	9
<i>Aricidea</i> sp. AK	Ann	Poly	13	0.02	95.14	2	2
<i>Aricidea</i> sp. H	Ann	Poly	13	0.02	95.16	6	6
<i>Haminoea succinea</i>	Mol	Gast	13	0.02	95.18	7	7
Isaeidae (LPIL)	Art	Mala	13	0.02	95.20	7	7
<i>Lumbrineriopsis gardineri</i>	Ann	Poly	13	0.02	95.22	7	7
<i>Magelona</i> sp. G	Ann	Poly	13	0.02	95.24	7	7
<i>Megalomma bioculatum</i>	Ann	Poly	13	0.02	95.26	9	9
<i>Metaprotella</i> sp. A	Art	Mala	13	0.02	95.28	4	4
<i>Olivella</i> (LPIL)	Mol	Gast	13	0.02	95.30	7	7
<i>Paranebalia belizensis</i>	Art	Mala	13	0.02	95.33	4	4
<i>Pherusa inflata</i>	Ann	Poly	13	0.02	95.35	8	8
<i>Phyllodoce arenae</i>	Ann	Poly	13	0.02	95.37	11	11
<i>Serolis mgrayi</i>	Art	Mala	13	0.02	95.39	8	8
<i>Tanaissus</i> sp. B	Art	Mala	13	0.02	95.41	11	11
<i>Turbonilla interrupta</i>	Mol	Gast	13	0.02	95.43	8	8
Aclididae (LPIL)	Mol	Gast	12	0.02	95.45	6	6
<i>Ampelisca parapacifica</i>	Art	Mala	12	0.02	95.47	3	3
<i>Apseudes intermedius</i>	Art	Mala	12	0.02	95.49	5	5
Branchiopoda (LPIL)	Art	Bran	12	0.02	95.51	4	4
<i>Cerithium</i> (LPIL)	Mol	Gast	12	0.02	95.52	7	7
Cuspidariidae (LPIL)	Mol	Biva	12	0.02	95.54	5	5
<i>Exogone atlantica</i>	Ann	Poly	12	0.02	95.56	10	10
Hydrozoa (LPIL)	Cni	Hydr	12	0.02	95.58	11	11
<i>Laevicardium laevigatum</i>	Mol	Biva	12	0.02	95.60	8	8
<i>Linga leucocyma</i>	Mol	Biva	12	0.02	95.62	8	8
<i>Lumbrineris</i> sp. E	Ann	Poly	12	0.02	95.64	9	9
<i>Lyonsia hyalina</i>	Mol	Biva	12	0.02	95.66	12	12
<i>Marginella</i> (LPIL)	Mol	Gast	12	0.02	95.68	2	2
<i>Paguristes tortugae</i>	Art	Mala	12	0.02	95.70	5	5
Pectinidae (LPIL)	Mol	Biva	12	0.02	95.72	10	10
<i>Photis</i> sp. D	Art	Mala	12	0.02	95.74	8	8
<i>Processa bermudiensis</i>	Art	Mala	12	0.02	95.75	5	5
<i>Rildardanus laminosa</i>	Art	Mala	12	0.02	95.77	7	7
Rissoidae (LPIL)	Mol	Gast	12	0.02	95.79	11	11
<i>Sphaerosyllis taylori</i>	Ann	Poly	12	0.02	95.81	11	11
<i>Therochaeta</i> sp. A	Ann	Poly	12	0.02	95.83	6	6
<i>Accalathura crenulata</i>	Art	Mala	11	0.02	95.85	8	8
<i>Ceratonereis irritabilis</i>	Ann	Poly	11	0.02	95.87	2	2
<i>Cerodrillia perryae</i>	Mol	Gast	11	0.02	95.88	7	7
<i>Grubeulepis</i> (LPIL)	Ann	Poly	11	0.02	95.90	7	7
<i>Kalliapseudes</i> (LPIL)	Art	Mala	11	0.02	95.92	10	10
<i>Leitoscoloplos robustus</i>	Ann	Poly	11	0.02	95.94	10	10
<i>Leptosynapta</i> (LPIL)	Ech	Holo	11	0.02	95.95	7	7
<i>Leptosynapta multigranula</i>	Ech	Holo	11	0.02	95.97	5	5
<i>Linga amiantus</i>	Mol	Biva	11	0.02	95.99	8	8
<i>Lucina blanda</i>	Mol	Biva	11	0.02	96.01	6	6
<i>Paguristes</i> (LPIL)	Art	Mala	11	0.02	96.02	7	7
<i>Paranebalia</i> (LPIL)	Art	Mala	11	0.02	96.04	5	5
<i>Pectinaria</i> (LPIL)	Ann	Poly	11	0.02	96.06	9	9
<i>Vaunthompsonia</i> sp. B	Art	Mala	11	0.02	96.08	8	8
<i>Ampelisca</i> sp. V	Art	Mala	10	0.02	96.09	6	6

Table 5 continued:

Taxon Name	Phylum	Class	No. of Individuals	% of Total	Cumulative %	Station Occurrence	% Station Occurrence
Ampeliscidae (LPIL)	Art	Mala	10	0.02	96.11	4	4
<i>Bhawania goodei</i>	Ann	Poly	10	0.02	96.12	3	3
<i>Drilonereis longa</i>	Ann	Poly	10	0.02	96.14	8	8
Eulimidae (LPIL)	Mol	Gast	10	0.02	96.16	9	9
Flabelligeridae (LPIL)	Ann	Poly	10	0.02	96.17	10	10
<i>Glycera</i> sp. B	Ann	Poly	10	0.02	96.19	1	1
<i>Gnathia puertoricensis</i>	Art	Mala	10	0.02	96.20	3	3
<i>Grubeulepis</i> sp. A	Ann	Poly	10	0.02	96.22	5	5
<i>Harmothoe imbricata</i>	Ann	Poly	10	0.02	96.24	9	9
<i>Hydroides bispinosa</i>	Ann	Poly	10	0.02	96.25	3	3
<i>Kefersteinia cirrata</i>	Ann	Poly	10	0.02	96.27	8	8
<i>Nephtys squamosa</i>	Ann	Poly	10	0.02	96.28	8	8
<i>Ophiolepis elegans</i>	Ech	Ophi	10	0.02	96.30	3	3
Pinnidae (LPIL)	Mol	Biva	10	0.02	96.32	6	6
<i>Pista</i> (LPIL)	Ann	Poly	10	0.02	96.33	8	8
<i>Ptilanthura tenuis</i>	Art	Mala	10	0.02	96.35	10	10
<i>Raninoides loevis</i>	Art	Mala	10	0.02	96.36	6	6
<i>Saltipedis</i> (LPIL)	Art	Mala	10	0.02	96.38	6	6
<i>Sarsonuphis</i> (LPIL)	Ann	Poly	10	0.02	96.40	7	7
Scaphandridae (LPIL)	Mol	Gast	10	0.02	96.41	5	5
<i>Terebra</i> (LPIL)	Mol	Gast	10	0.02	96.43	6	6
Trochidae (LPIL)	Mol	Gast	10	0.02	96.44	6	6
Arcidae (LPIL)	Mol	Biva	9	0.01	96.46	5	5
<i>Bemlos spinicarpus inermis</i>	Art	Mala	9	0.01	96.47	2	2
<i>Cadulus tetrodon</i>	Mol	Scap	9	0.01	96.49	7	7
<i>Callianassa</i> (LPIL)	Art	Mala	9	0.01	96.50	7	7
<i>Cardiomya ornatissima</i>	Mol	Biva	9	0.01	96.51	7	7
<i>Caulleriella</i> sp. A	Ann	Poly	9	0.01	96.53	6	6
<i>Crepidula</i> (LPIL)	Mol	Gast	9	0.01	96.54	6	6
<i>Cumella</i> sp. W	Art	Mala	9	0.01	96.56	4	4
<i>Ebalia stimpsonii</i>	Art	Mala	9	0.01	96.57	7	7
<i>Eumida sanguinea</i>	Ann	Poly	9	0.01	96.59	7	7
<i>Eurydice littoralis</i>	Art	Mala	9	0.01	96.60	6	6
<i>Hypsicomus phaeotaenia</i>	Ann	Poly	9	0.01	96.62	5	5
<i>Lysianopsis alba</i>	Art	Mala	9	0.01	96.63	8	8
<i>Mesanthura</i> (LPIL)	Art	Mala	9	0.01	96.64	4	4
Mysidae (LPIL)	Art	Mala	9	0.01	96.66	4	4
<i>Opisthodonta</i> sp. A	Ann	Poly	9	0.01	96.67	7	7
Acoetidae (LPIL)	Ann	Poly	8	0.01	96.69	8	8
<i>Alpheus estuariensis</i>	Art	Mala	8	0.01	96.70	3	3
<i>Ampelisca abdita</i>	Art	Mala	8	0.01	96.71	2	2
<i>Bermudaclis tampaensis</i>	Mol	Gast	8	0.01	96.72	6	6
<i>Bulla striata</i>	Mol	Gast	8	0.01	96.74	3	3
<i>Campylaspis</i> sp. U	Art	Mala	8	0.01	96.75	6	6
<i>Capitella jonesi</i>	Ann	Poly	8	0.01	96.76	5	5
<i>Chione grus</i>	Mol	Biva	8	0.01	96.77	4	4
<i>Cumella</i> sp. X	Art	Mala	8	0.01	96.79	3	3
<i>Cuspidaria</i> (LPIL)	Mol	Biva	8	0.01	96.80	2	2
<i>Dorvillea largidentis</i>	Ann	Poly	8	0.01	96.81	5	5
<i>Joeropsis rathbunae</i>	Art	Mala	8	0.01	96.83	4	4
<i>Leiocapitella</i> sp. B	Ann	Poly	8	0.01	96.84	8	8
<i>Listriella</i> sp. G	Art	Mala	8	0.01	96.85	6	6
<i>Magelona</i> sp. H	Ann	Poly	8	0.01	96.86	5	5
<i>Mexieulepis weberi</i>	Ann	Poly	8	0.01	96.88	4	4
<i>Natica canrena</i>	Mol	Gast	8	0.01	96.89	3	3
<i>Nephtys</i> (LPIL)	Ann	Poly	8	0.01	96.90	7	7
<i>Nereimyra</i> sp. B	Ann	Poly	8	0.01	96.92	5	5
<i>Nucula proxima</i>	Mol	Biva	8	0.01	96.93	5	5
<i>Photis pugnator</i>	Art	Mala	8	0.01	96.94	3	3
<i>Processa hemphilli</i>	Art	Mala	8	0.01	96.95	5	5

Table 5 continued:

Taxon Name	Phylum	Class	No. of Individuals	% of Total	Cumulative %	Station Occurrence	% Station Occurrence
<i>Santia milleri</i>	Art	Mala	8	0.01	96.97	5	5
<i>Sicyonia</i> (LPIL)	Art	Mala	8	0.01	96.98	5	5
<i>Sigambra</i> (LPIL)	Ann	Poly	8	0.01	96.99	7	7
<i>Tellina iris</i>	Mol	Biva	8	0.01	97.00	1	1
<i>Terebra arcas</i>	Mol	Gast	8	0.01	97.02	3	3
Aeginellidae (LPIL)	Art	Mala	7	0.01	97.03	6	6
<i>Anamixis cavitura</i>	Art	Mala	7	0.01	97.04	4	4
<i>Campylaspis</i> sp. AA	Art	Mala	7	0.01	97.05	6	6
<i>Cerithiopsis greeni</i>	Mol	Gast	7	0.01	97.06	3	3
<i>Cosmioconcha calliglypta</i>	Mol	Gast	7	0.01	97.07	1	1
<i>Cuspidaria obesa</i>	Mol	Biva	7	0.01	97.08	5	5
<i>Cyclaspis</i> sp. O	Art	Mala	7	0.01	97.10	6	6
<i>Decamastus gracilis</i>	Ann	Poly	7	0.01	97.11	6	6
Diogenidae (LPIL)	Art	Mala	7	0.01	97.12	7	7
<i>Elasmopus</i> (LPIL)	Art	Mala	7	0.01	97.13	5	5
<i>Glycera</i> sp. D	Ann	Poly	7	0.01	97.14	4	4
<i>Granulina ovuliformis</i>	Mol	Gast	7	0.01	97.15	6	6
<i>Haminoea elegans</i>	Mol	Gast	7	0.01	97.16	5	5
<i>Hesionura coineaui</i>	Ann	Poly	7	0.01	97.17	5	5
<i>Hiatella arctica</i>	Mol	Biva	7	0.01	97.18	6	6
<i>Leptochela papulata</i>	Art	Mala	7	0.01	97.20	4	4
<i>Leucon americanus</i>	Art	Mala	7	0.01	97.21	4	4
<i>Limopsis cristata</i>	Mol	Biva	7	0.01	97.22	4	4
<i>Lioberus castaneus</i>	Mol	Biva	7	0.01	97.23	5	5
<i>Maera</i> (LPIL)	Art	Mala	7	0.01	97.24	4	4
<i>Meiosquilla quadridens</i>	Art	Mala	7	0.01	97.25	7	7
<i>Natatolana gracilis</i>	Art	Mala	7	0.01	97.26	2	2
<i>Neomegamphopus</i> (LPIL)	Art	Mala	7	0.01	97.27	2	2
Nephtyidae (LPIL)	Ann	Poly	7	0.01	97.29	7	7
<i>Notomastus hemipodus</i>	Ann	Poly	7	0.01	97.30	6	6
Nuculanidae (LPIL)	Mol	Biva	7	0.01	97.31	3	3
Oligochaeta (LPIL)	Ann	Olig	7	0.01	97.32	3	3
Orbiniidae (LPIL)	Ann	Poly	7	0.01	97.33	6	6
<i>Ostrea equestris</i>	Mol	Biva	7	0.01	97.34	3	3
Oweniidae (LPIL)	Ann	Poly	7	0.01	97.35	5	5
<i>Paraeupolymnia</i> sp. A	Ann	Poly	7	0.01	97.36	5	5
Processidae (LPIL)	Art	Mala	7	0.01	97.37	4	4
<i>Pseudopolydora</i> (LPIL)	Ann	Poly	7	0.01	97.39	4	4
<i>Rhodine</i> (LPIL)	Ann	Poly	7	0.01	97.40	3	3
<i>Sabellaria vulgaris</i>	Ann	Poly	7	0.01	97.41	5	5
<i>Sclerobregma stenocerum</i>	Ann	Poly	7	0.01	97.42	5	5
<i>Scyphoproctus</i> (LPIL)	Ann	Poly	7	0.01	97.43	6	6
<i>Sigatica carolinensis</i>	Mol	Gast	7	0.01	97.44	6	6
<i>Solemya</i> (LPIL)	Mol	Biva	7	0.01	97.45	5	5
<i>Spiophanes wigleyi</i>	Ann	Poly	7	0.01	97.46	4	4
<i>Turbonilla conradi</i>	Mol	Gast	7	0.01	97.48	7	7
<i>Uromunna</i> (LPIL)	Art	Mala	7	0.01	97.49	3	3
<i>Vermiliopsis annulata</i>	Ann	Poly	7	0.01	97.50	6	6
<i>Argissa hamatipes</i>	Art	Mala	6	0.01	97.51	4	4
<i>Armandia</i> (LPIL)	Ann	Poly	6	0.01	97.52	5	5
<i>Bispira</i> (LPIL)	Ann	Poly	6	0.01	97.53	5	5
Caecidae (LPIL)	Mol	Gast	6	0.01	97.54	4	4
<i>Campylaspis</i> sp. E	Art	Mala	6	0.01	97.55	5	5
<i>Campylaspis</i> sp. Z	Art	Mala	6	0.01	97.55	4	4
<i>Cryoturris</i> (LPIL)	Mol	Gast	6	0.01	97.56	1	1
<i>Cyclostremiscus beauii</i>	Mol	Gast	6	0.01	97.57	4	4
<i>Diodora cayenensis</i>	Mol	Gast	6	0.01	97.58	3	3
Genus A Melitidae Genus A	Art	Mala	6	0.01	97.59	1	1
<i>Glycera abbranchiata</i>	Ann	Poly	6	0.01	97.60	6	6
Goneplacidae (LPIL)	Art	Mala	6	0.01	97.61	6	6

Table 5 continued:

<b>Taxon Name</b>	<b>Phylum</b>	<b>Class</b>	<b>No. of Individuals</b>	<b>% of Total</b>	<b>Cumulative %</b>	<b>Station Occurrence</b>	<b>% Station Occurrence</b>
<i>Kinbergonuphis</i> (LPIL)	Ann	Poly	6	0.01	97.62	6	6
<i>Kurtziella</i> (LPIL)	Mol	Gast	6	0.01	97.63	4	4
<i>Kurtziella atrostyla</i>	Mol	Gast	6	0.01	97.64	4	4
<i>Leptognathia</i> (LPIL)	Art	Mala	6	0.01	97.65	6	6
<i>Leucothoe spinicarpa</i>	Art	Mala	6	0.01	97.66	6	6
<i>Lima pellucida</i>	Mol	Biva	6	0.01	97.67	6	6
<i>Lumbrineris inflata</i>	Ann	Poly	6	0.01	97.68	4	4
<i>Macrocallista maculata</i>	Mol	Biva	6	0.01	97.69	4	4
<i>Magelona</i> sp. L	Ann	Poly	6	0.01	97.70	4	4
<i>Melanella arcuata</i>	Mol	Gast	6	0.01	97.71	4	4
<i>Mitrella</i> (LPIL)	Mol	Gast	6	0.01	97.72	3	3
<i>Monocolodes</i> (LPIL)	Art	Mala	6	0.01	97.73	4	4
<i>Oliva sayana</i>	Mol	Gast	6	0.01	97.74	6	6
<i>Olivella dealbata</i>	Mol	Gast	6	0.01	97.75	5	5
Palaemonidae (LPIL)	Art	Mala	6	0.01	97.76	5	5
<i>Pholoides bermudensis</i>	Ann	Poly	6	0.01	97.77	5	5
<i>Pionosyllis</i> (LPIL)	Ann	Poly	6	0.01	97.78	5	5
<i>Pitar</i> (LPIL)	Mol	Biva	6	0.01	97.78	4	4
<i>Pitar cordatus</i>	Mol	Biva	6	0.01	97.79	5	5
Polynoidae Genus A	Ann	Poly	6	0.01	97.80	4	4
<i>Scoloplos texana</i>	Ann	Poly	6	0.01	97.81	2	2
Turbinidae genus A	Mol	Gast	6	0.01	97.82	5	5
<i>Unciola</i> sp. B	Art	Mala	6	0.01	97.83	2	2
<i>Aclis hendersoni</i>	Mol	Gast	5	0.01	97.84	2	2
<i>Albunea paretii</i>	Art	Mala	5	0.01	97.85	4	4
<i>Aonides mayaguezensis</i>	Ann	Poly	5	0.01	97.86	4	4
<i>Apoprionospio</i> (LPIL)	Ann	Poly	5	0.01	97.86	3	3
<i>Apseudes</i> sp. Q	Art	Mala	5	0.01	97.87	1	1
Apseudidae (LPIL)	Art	Mala	5	0.01	97.88	3	3
<i>Arabella mutans</i>	Ann	Poly	5	0.01	97.89	4	4
<i>Arcinella cornuta</i>	Mol	Biva	5	0.01	97.90	4	4
<i>Aricidea</i> sp. A	Ann	Poly	5	0.01	97.90	4	4
<i>Axinopsida serricata</i>	Mol	Biva	5	0.01	97.91	1	1
<i>Bowmaniella</i> (LPIL)	Art	Mala	5	0.01	97.92	4	4
<i>Cardiomya costellata</i>	Mol	Biva	5	0.01	97.93	4	4
<i>Carditamera floridana</i>	Mol	Biva	5	0.01	97.94	1	1
<i>Cerithium atratum</i>	Mol	Gast	5	0.01	97.94	1	1
<i>Cerithium eburneum</i>	Mol	Gast	5	0.01	97.95	2	2
<i>Crassostrea</i> (LPIL)	Mol	Biva	5	0.01	97.96	1	1
<i>Edotea lyonsi</i>	Art	Mala	5	0.01	97.97	4	4
<i>Eupolymnia nebulosa</i>	Ann	Poly	5	0.01	97.98	4	4
<i>Eurypanopeus depressus</i>	Art	Mala	5	0.01	97.98	2	2
<i>Glycymeris americana</i>	Mol	Biva	5	0.01	97.99	4	4
<i>Harmothoe</i> (LPIL)	Ann	Poly	5	0.01	98.00	4	4
<i>Hemus cristulipes</i>	Art	Mala	5	0.01	98.01	3	3
<i>Heterocrypta granulata</i>	Art	Mala	5	0.01	98.02	1	1
<i>Hippomedon</i> sp. A	Art	Mala	5	0.01	98.02	4	4
Holothuroidea (LPIL)	Ech	Holo	5	0.01	98.03	5	5
<i>Kurtziella cerina</i>	Mol	Gast	5	0.01	98.04	5	5
<i>Laevicardium</i> (LPIL)	Mol	Biva	5	0.01	98.05	5	5
<i>Leptadrillia splendida</i>	Mol	Gast	5	0.01	98.06	1	1
Leptognathidae (LPIL)	Art	Mala	5	0.01	98.06	3	3
<i>Meiodorvillea</i> sp. A	Ann	Poly	5	0.01	98.07	3	3
<i>Melinna cristata</i>	Ann	Poly	5	0.01	98.08	3	3
<i>Melinna maculata</i>	Ann	Poly	5	0.01	98.09	4	4
<i>Metaprotella hummelincki</i>	Art	Mala	5	0.01	98.10	1	1
<i>Metatiron triocellatus</i>	Art	Mala	5	0.01	98.10	5	5
<i>Metaxypsamma uebelackerae</i>	Ann	Poly	5	0.01	98.11	3	3
<i>Nannodiella oxia</i>	Mol	Gast	5	0.01	98.12	3	3
<i>Neaeromya floridana</i>	Mol	Biva	5	0.01	98.13	1	1

Table 5 continued:

<b>Taxon Name</b>	<b>Phylum</b>	<b>Class</b>	<b>No. of Individuals</b>	<b>% of Total</b>	<b>Cumulative %</b>	<b>Station Occurrence</b>	<b>% Station Occurrence</b>
<i>Neodrillia cydia</i>	Mol	Gast	5	0.01	98.14	3	3
<i>Nuculana concentrica</i>	Mol	Biva	5	0.01	98.14	2	2
<i>Odostomia weberi</i>	Mol	Gast	5	0.01	98.15	3	3
<i>Ophiactis savignyi</i>	Ech	Ophi	5	0.01	98.16	3	3
<i>Prionospio dubia</i>	Ann	Poly	5	0.01	98.17	2	2
<i>Solariella lamellosa</i>	Mol	Gast	5	0.01	98.18	2	2
<i>Stenothoe gallensis</i>	Art	Mala	5	0.01	98.18	3	3
Thraciidae (LPIL)	Mol	Biva	5	0.01	98.19	5	5
Trichobranchidae (LPIL)	Ann	Poly	5	0.01	98.20	4	4
Turbellaria (LPIL)	Pla	Turb	5	0.01	98.21	3	3
<i>Acanthochiton pygmaea</i>	Mol	Polyp	4	0.01	98.21	3	3
<i>Alpheus floridanus</i>	Art	Mala	4	0.01	98.22	3	3
<i>Alvania precipitata</i>	Mol	Gast	4	0.01	98.23	2	2
<i>Ampharete</i> sp. A	Ann	Poly	4	0.01	98.23	2	2
<i>Amphicteis</i> (LPIL)	Ann	Poly	4	0.01	98.24	4	4
Amphilocheidae (LPIL)	Art	Mala	4	0.01	98.25	1	1
<i>Amphiodia planispina</i>	Ech	Ophi	4	0.01	98.25	2	2
<i>Ancistrosyllis</i> (LPIL)	Ann	Poly	4	0.01	98.26	4	4
<i>Arabella iricolor</i>	Ann	Poly	4	0.01	98.26	3	3
<i>Arabella multidentata</i>	Ann	Poly	4	0.01	98.27	3	3
<i>Argopecten gibbus</i>	Mol	Biva	4	0.01	98.28	3	3
<i>Aricidea</i> sp. AO	Ann	Poly	4	0.01	98.28	2	2
<i>Aricidea</i> sp. D	Ann	Poly	4	0.01	98.29	2	2
<i>Astarte nana</i>	Mol	Biva	4	0.01	98.30	2	2
Axinopsida (LPIL)	Mol	Biva	4	0.01	98.30	1	1
<i>Bathyarca glomerula</i>	Mol	Biva	4	0.01	98.31	3	3
<i>Bowmaniella portoricensis</i>	Art	Mala	4	0.01	98.32	4	4
<i>Branchiosyllis oculata</i>	Ann	Poly	4	0.01	98.32	2	2
<i>Cardiomya</i> (LPIL)	Mol	Biva	4	0.01	98.33	4	4
Chaetopteridae (LPIL)	Ann	Poly	4	0.01	98.33	3	3
<i>Chaetozone</i> sp. B	Ann	Poly	4	0.01	98.34	3	3
<i>Collodes trispinosus</i>	Art	Mala	4	0.01	98.35	1	1
<i>Conus jaspideus</i>	Mol	Gast	4	0.01	98.35	3	3
<i>Cooperella atlantica</i>	Mol	Biva	4	0.01	98.36	4	4
<i>Crepidula plana</i>	Mol	Gast	4	0.01	98.37	2	2
<i>Cumella</i> sp. U	Art	Mala	4	0.01	98.37	3	3
<i>Cyclaspis</i> sp. W	Art	Mala	4	0.01	98.38	4	4
<i>Demonax microphthalmus</i>	Ann	Poly	4	0.01	98.39	3	3
Dentaliidae (LPIL)	Mol	Scap	4	0.01	98.39	3	3
<i>Dorvillea clavata</i>	Ann	Poly	4	0.01	98.40	2	2
<i>Epitonium</i> (LPIL)	Mol	Gast	4	0.01	98.41	4	4
Euphrosinidae (LPIL)	Ann	Poly	4	0.01	98.41	2	2
<i>Eurydice</i> (LPIL)	Art	Mala	4	0.01	98.42	4	4
<i>Globosolembos smithi</i>	Art	Mala	4	0.01	98.42	3	3
<i>Glycera</i> sp. G	Ann	Poly	4	0.01	98.43	1	1
<i>Hesiospina</i> sp. A	Ann	Poly	4	0.01	98.44	2	2
<i>Hippomedon pensacola</i>	Art	Mala	4	0.01	98.44	3	3
<i>Hydroides dianthus</i>	Ann	Poly	4	0.01	98.45	2	2
<i>Lucifer faxoni</i>	Art	Mala	4	0.01	98.46	2	2
<i>Malmgreniella maccrarya</i>	Ann	Poly	4	0.01	98.46	3	3
<i>Marginella lavalleana</i>	Mol	Gast	4	0.01	98.47	4	4
Marginellidae (LPIL)	Mol	Gast	4	0.01	98.48	3	3
<i>Monoculodes</i> sp. D	Art	Mala	4	0.01	98.48	2	2
<i>Mooreonuphis veleronis</i>	Ann	Poly	4	0.01	98.49	1	1
Munnidae (LPIL)	Art	Mala	4	0.01	98.49	4	4
<i>Mysella planulata</i>	Mol	Biva	4	0.01	98.50	3	3
<i>Nereis succinea</i>	Ann	Poly	4	0.01	98.51	4	4
<i>Normjonesia danielli</i>	Art	Mala	4	0.01	98.51	3	3
Nudibranchia (LPIL)	Mol	Gast	4	0.01	98.52	3	3
<i>Ogyrides alphaerostris</i>	Art	Mala	4	0.01	98.53	4	4

Table 5 continued:

Taxon Name	Phylum	Class	No. of Individuals	% of Total	Cumulative %	Station Occurrence	% Station Occurrence
Ophiuridae (LPIL)	Ech	Ophi	4	0.01	98.53	2	2
<i>Philine</i> sp. A	Mol	Gast	4	0.01	98.54	3	3
<i>Pisione remota</i>	Ann	Poly	4	0.01	98.55	1	1
<i>Plicatula gibbosa</i>	Mol	Biva	4	0.01	98.55	2	2
<i>Polycirrus</i> sp. G	Ann	Poly	4	0.01	98.56	4	4
Potamididae (LPIL)	Mol	Gast	4	0.01	98.56	1	1
<i>Pyramidella crenulata</i>	Mol	Gast	4	0.01	98.57	4	4
<i>Rocinela signata</i>	Art	Mala	4	0.01	98.58	4	4
<i>Seila adamsi</i>	Mol	Gast	4	0.01	98.58	2	2
<i>Spio</i> (LPIL)	Ann	Poly	4	0.01	98.59	4	4
<i>Spiophanes</i> (LPIL)	Ann	Poly	4	0.01	98.60	3	3
<i>Spiophanes bombyx</i>	Ann	Poly	4	0.01	98.60	4	4
<i>Syllis sardai</i>	Ann	Poly	4	0.01	98.61	3	3
Terebridae (LPIL)	Mol	Gast	4	0.01	98.62	4	4
<i>Thyone pawsoni</i>	Ech	Holo	4	0.01	98.62	4	4
<i>Trypanosyllis coeliaca</i>	Ann	Poly	4	0.01	98.63	4	4
<i>Upogebia affinis</i>	Art	Mala	4	0.01	98.63	4	4
<i>Websternereis tridentata</i>	Ann	Poly	4	0.01	98.64	2	2
<i>Acteocina recta</i>	Mol	Gast	3	0.00	98.65	1	1
<i>Ampelisca schellenbergi</i>	Art	Mala	3	0.00	98.65	2	2
Amphinomidae (LPIL)	Ann	Poly	3	0.00	98.66	3	3
<i>Anachis floridana</i>	Mol	Gast	3	0.00	98.66	3	3
<i>Antalis eboreum</i>	Mol	Scap	3	0.00	98.67	2	2
<i>Aonides</i> (LPIL)	Ann	Poly	3	0.00	98.67	2	2
<i>Aonides paucibranchiata</i>	Ann	Poly	3	0.00	98.67	3	3
<i>Apistobranthus</i> sp. A	Ann	Poly	3	0.00	98.68	1	1
<i>Arabella</i> (LPIL)	Ann	Poly	3	0.00	98.68	3	3
<i>Arcopsis adamsi</i>	Mol	Biva	3	0.00	98.69	2	2
<i>Astropecten articulatus</i>	Ech	Aste	3	0.00	98.69	3	3
<i>Balanoglossus</i> (LPIL)	Hem	Ente	3	0.00	98.70	3	3
<i>Batea catharinensis</i>	Art	Mala	3	0.00	98.70	2	2
<i>Bemlos tigrinus</i>	Art	Mala	3	0.00	98.71	2	2
<i>Branchiosyllis exilis</i>	Ann	Poly	3	0.00	98.71	3	3
<i>Caecum ryssottitum</i>	Mol	Gast	3	0.00	98.72	2	2
Calyptraeidae (LPIL)	Mol	Gast	3	0.00	98.72	3	3
<i>Campylaspis</i> (LPIL)	Art	Mala	3	0.00	98.73	3	3
<i>Cerithiopsis emersoni</i>	Mol	Gast	3	0.00	98.73	1	1
<i>Chama</i> (LPIL)	Mol	Biva	3	0.00	98.74	3	3
<i>Chione</i> (LPIL)	Mol	Biva	3	0.00	98.74	3	3
<i>Circulus suppressus</i>	Mol	Gast	3	0.00	98.75	2	2
<i>Corbula cymella</i>	Mol	Biva	3	0.00	98.75	1	1
Cumacea (LPIL)	Art	Mala	3	0.00	98.76	3	3
Cyclodorippidae (LPIL)	Art	Mala	3	0.00	98.76	2	2
<i>Cylichna</i> sp. B	Mol	Gast	3	0.00	98.77	3	3
<i>Cylichna verrillii</i>	Mol	Gast	3	0.00	98.77	2	2
<i>Dacrydium vitreum</i>	Mol	Biva	3	0.00	98.78	2	2
<i>Decamastus</i> (LPIL)	Ann	Poly	3	0.00	98.78	3	3
<i>Diopatra</i> cf. <i>papillata</i>	Ann	Poly	3	0.00	98.78	1	1
<i>Dipolydora</i> (LPIL)	Ann	Poly	3	0.00	98.79	3	3
<i>Dipolydora</i> sp. B	Ann	Poly	3	0.00	98.79	2	2
Echiura (LPIL)	Echi	-	3	0.00	98.80	2	2
<i>Epitonium novangliae</i>	Mol	Gast	3	0.00	98.80	3	3
<i>Ethusa mascarone americana</i>	Art	Mala	3	0.00	98.81	2	2
<i>Eucrassatella speciosa</i>	Mol	Biva	3	0.00	98.81	1	1
<i>Euphrosine</i> sp. B	Ann	Poly	3	0.00	98.82	2	2
<i>Fimbriosthenelais</i> sp. A	Ann	Poly	3	0.00	98.82	2	2
<i>Garosyrrhoë bigarra</i>	Art	Mala	3	0.00	98.83	2	2
<i>Glycymeris</i> (LPIL)	Mol	Biva	3	0.00	98.83	1	1
<i>Glycymeris pectinata</i>	Mol	Biva	3	0.00	98.84	2	2
<i>Goniada</i> sp. G	Ann	Poly	3	0.00	98.84	2	2

Table 5 continued:

Taxon Name	Phylum	Class	No. of Individuals	% of Total	Cumulative %	Station Occurrence	% Station Occurrence
<i>Inermonephtys inermis</i>	Ann	Poly	3	0.00	98.85	3	3
<i>Joeropsis</i> (LPIL)	Art	Mala	3	0.00	98.85	3	3
<i>Leiocapitella</i> sp. A	Ann	Poly	3	0.00	98.86	3	3
<i>Leptochela carinata</i>	Art	Mala	3	0.00	98.86	1	1
<i>Limopsis</i> (LPIL)	Mol	Biva	3	0.00	98.87	2	2
<i>Liocuna caeca</i>	Art	Mala	3	0.00	98.87	1	1
<i>Loimia medusa</i>	Ann	Poly	3	0.00	98.88	3	3
Lysianassidae (LPIL)	Art	Mala	3	0.00	98.88	3	3
<i>Macoma brevifrons</i>	Mol	Biva	3	0.00	98.89	1	1
<i>Macrochaeta</i> sp. A	Ann	Poly	3	0.00	98.89	3	3
<i>Magelona papillicornis</i>	Ann	Poly	3	0.00	98.89	3	3
<i>Magelona</i> sp. D	Ann	Poly	3	0.00	98.90	2	2
<i>Malacoceros vanderhorsti</i>	Ann	Poly	3	0.00	98.90	3	3
<i>Mangelia quadrilineata</i>	Mol	Gast	3	0.00	98.91	3	3
<i>Martesia cuneiformis</i>	Mol	Biva	3	0.00	98.91	3	3
Microparasellidae Genus A	Art	Mala	3	0.00	98.92	2	2
<i>Microprotopus</i> (LPIL)	Art	Mala	3	0.00	98.92	2	2
<i>Moelleria costulata</i>	Mol	Gast	3	0.00	98.93	2	2
<i>Munida</i> (LPIL)	Art	Mala	3	0.00	98.93	3	3
<i>Nemocardium peramabile</i>	Mol	Biva	3	0.00	98.94	3	3
<i>Niso aeglees</i>	Mol	Gast	3	0.00	98.94	3	3
<i>Notocirrus</i> sp. A	Ann	Poly	3	0.00	98.95	3	3
<i>Notomastus</i> sp. A	Ann	Poly	3	0.00	98.95	3	3
Oeonidae (LPIL)	Ann	Poly	3	0.00	98.96	3	3
<i>Oxyurostylis</i> sp. B	Art	Mala	3	0.00	98.96	3	3
<i>Paracerceis caudata</i>	Art	Mala	3	0.00	98.97	2	2
<i>Parametopella cypris</i>	Art	Mala	3	0.00	98.97	3	3
<i>Paranaitis gardineri</i>	Ann	Poly	3	0.00	98.98	3	3
Penaeidae (LPIL)	Art	Mala	3	0.00	98.98	2	2
<i>Periclimenes</i> (LPIL)	Art	Mala	3	0.00	98.99	3	3
<i>Periclimenes americanus</i>	Art	Mala	3	0.00	98.99	2	2
<i>Periclimenes iridescens</i>	Art	Mala	3	0.00	99.00	1	1
<i>Pholoe</i> sp. A	Ann	Poly	3	0.00	99.00	2	2
Pinnotheridae (LPIL)	Art	Mala	3	0.00	99.00	3	3
<i>Pionosyllis spinisetosa</i>	Ann	Poly	3	0.00	99.01	1	1
<i>Pontogenia</i> sp. A	Ann	Poly	3	0.00	99.01	3	3
<i>Schistomeringos</i> (LPIL)	Ann	Poly	3	0.00	99.02	3	3
<i>Scolecopsis</i> (LPIL)	Ann	Poly	3	0.00	99.02	2	2
<i>Scoloplos capensis</i>	Ann	Poly	3	0.00	99.03	3	3
<i>Speocarcinus lobatus</i>	Art	Mala	3	0.00	99.03	3	3
Spirorbidae (LPIL)	Ann	Poly	3	0.00	99.04	1	1
<i>Splendrillia fucata</i>	Mol	Gast	3	0.00	99.04	1	1
<i>Syllis lutea</i>	Ann	Poly	3	0.00	99.05	1	1
<i>Synalpheus</i> (LPIL)	Art	Mala	3	0.00	99.05	2	2
<i>Synopia ultramarina</i>	Art	Mala	3	0.00	99.06	3	3
Synopiidae (LPIL)	Art	Mala	3	0.00	99.06	3	3
<i>Thalenessa</i> sp. C	Ann	Poly	3	0.00	99.07	3	3
Thyasiridae (LPIL)	Mol	Biva	3	0.00	99.07	2	2
<i>Turritella acropora</i>	Mol	Gast	3	0.00	99.08	2	2
Turritellidae (LPIL)	Mol	Gast	3	0.00	99.08	2	2
Acanthohaustorius (LPIL)	Art	Mala	2	0.00	99.08	2	2
<i>Aesopus stearnsii</i>	Mol	Gast	2	0.00	99.09	1	1
Amphiodia (LPIL)	Ech	Ophi	2	0.00	99.09	1	1
<i>Amphiodia trychna</i>	Ech	Ophi	2	0.00	99.09	2	2
Amphipoda Family I	Art	Mala	2	0.00	99.10	2	2
<i>Ancistrosyllis</i> sp. C	Ann	Poly	2	0.00	99.10	1	1
<i>Anomia simplex</i>	Mol	Biva	2	0.00	99.10	1	1
<i>Aphelochaeta marioni</i>	Ann	Poly	2	0.00	99.11	2	2
<i>Arbacia punctulata</i>	Ech	Echin	2	0.00	99.11	2	2
<i>Arca zebra</i>	Mol	Biva	2	0.00	99.11	2	2



Table 5 continued:

<b>Taxon Name</b>	<b>Phylum</b>	<b>Class</b>	<b>No. of Individuals</b>	<b>% of Total</b>	<b>Cumulative %</b>	<b>Station Occurrence</b>	<b>% Station Occurrence</b>
<i>Asclerocheilus mexicanus</i>	Ann	Poly	2	0.00	99.12	2	2
<i>Aspidosiphon gosnoldi</i>	Sip	–	2	0.00	99.12	2	2
<i>Bogaea</i> sp. A	Ann	Poly	2	0.00	99.12	2	2
<i>Bushia</i> (LPIL)	Mol	Biva	2	0.00	99.13	1	1
<i>Byblis</i> (LPIL)	Art	Mala	2	0.00	99.13	2	2
<i>Calotrophon ostrearum</i>	Mol	Gast	2	0.00	99.13	2	2
<i>Campylaspis</i> sp. I	Art	Mala	2	0.00	99.14	1	1
<i>Campylaspis</i> sp. V	Art	Mala	2	0.00	99.14	2	2
<i>Ceratonereis longicirrata</i>	Ann	Poly	2	0.00	99.14	2	2
<i>Chione paphia</i>	Mol	Biva	2	0.00	99.15	1	1
<i>Chiton squamosus</i>	Mol	Polyp	2	0.00	99.15	2	2
<i>Chrysopetalum hernancortezae</i>	Ann	Poly	2	0.00	99.15	2	2
<i>Circulus multistriatus</i>	Mol	Gast	2	0.00	99.15	2	2
<i>Cirolana parva</i>	Art	Mala	2	0.00	99.16	1	1
<i>Cirrophorus furcatus</i>	Ann	Poly	2	0.00	99.16	1	1
<i>Codakia orbiculata</i>	Mol	Biva	2	0.00	99.16	1	1
<i>Cumella</i> sp. Q	Art	Mala	2	0.00	99.17	1	1
<i>Cuspidaria</i> sp. C	Mol	Biva	2	0.00	99.17	2	2
<i>Cyclinella tenuis</i>	Mol	Biva	2	0.00	99.17	1	1
<i>Dentalium occidentale</i>	Mol	Scap	2	0.00	99.18	1	1
<i>Dosinia discus</i>	Mol	Biva	2	0.00	99.18	2	2
<i>Euceramus</i> (LPIL)	Art	Mala	2	0.00	99.18	1	1
<i>Exogone caribensis</i>	Ann	Poly	2	0.00	99.19	1	1
<i>Fargoa bushiana</i>	Mol	Gast	2	0.00	99.19	1	1
Genus A Bodotriidae	Art	Mala	2	0.00	99.19	2	2
<i>Glycinde solitaria</i>	Ann	Poly	2	0.00	99.20	1	1
<i>Goniada brunnea</i>	Ann	Poly	2	0.00	99.20	1	1
<i>Goniadides</i> (LPIL)	Ann	Poly	2	0.00	99.20	1	1
<i>Grubeosyllis rugulosa</i>	Ann	Poly	2	0.00	99.21	2	2
<i>Haminoea</i> sp. C	Mol	Gast	2	0.00	99.21	1	1
<i>Harpinia</i> (LPIL)	Art	Mala	2	0.00	99.21	1	1
Haustoriidae (LPIL)	Art	Mala	2	0.00	99.22	1	1
<i>Hepatus</i> (LPIL)	Art	Mala	2	0.00	99.22	2	2
<i>Hesione picta</i>	Ann	Poly	2	0.00	99.22	1	1
Ischnochitonidae (LPIL)	Mol	Polyp	2	0.00	99.22	1	1
Ischyroceridae (LPIL)	Art	Mala	2	0.00	99.23	2	2
<i>Ithycythara lanceolata</i>	Mol	Gast	2	0.00	99.23	2	2
<i>Laevicardium pictum</i>	Mol	Biva	2	0.00	99.23	2	2
<i>Latreutes parvulus</i>	Art	Mala	2	0.00	99.24	2	2
<i>Leitoscoloplos fragilis</i>	Ann	Poly	2	0.00	99.24	2	2
<i>Lepidonotus variabilis</i>	Ann	Poly	2	0.00	99.24	1	1
<i>Leptochela bermudensis</i>	Art	Mala	2	0.00	99.25	2	2
<i>Leptochelia savignyi</i>	Art	Mala	2	0.00	99.25	2	2
<i>Leucon</i> sp. A	Art	Mala	2	0.00	99.25	1	1
<i>Levinsenia</i> (LPIL)	Ann	Poly	2	0.00	99.26	2	2
<i>Lima</i> (LPIL)	Mol	Biva	2	0.00	99.26	2	2
<i>Limea bronniiana</i>	Mol	Biva	2	0.00	99.26	2	2
Limopsidae (LPIL)	Mol	Biva	2	0.00	99.27	2	2
<i>Limopsis sulcata</i>	Mol	Biva	2	0.00	99.27	2	2
<i>Lithadia granulosa</i>	Art	Mala	2	0.00	99.27	2	2
<i>Lithophaga antillarum</i>	Mol	Biva	2	0.00	99.28	1	1
<i>Lucina muricata</i>	Mol	Biva	2	0.00	99.28	1	1
<i>Lumbrinerides</i> (LPIL)	Ann	Poly	2	0.00	99.28	2	2
<i>Macoma</i> (LPIL)	Mol	Biva	2	0.00	99.29	2	2
<i>Magelona</i> sp. J	Ann	Poly	2	0.00	99.29	1	1
<i>Makrokyllindrus</i> sp. B	Art	Mala	2	0.00	99.29	2	2
Manazanellidae (LPIL)	Mol	Biva	2	0.00	99.30	1	1
<i>Marginella hartleyana</i>	Mol	Gast	2	0.00	99.30	2	2
<i>Metatiron</i> (LPIL)	Art	Mala	2	0.00	99.30	2	2
<i>Microphthalmus</i> (LPIL)	Ann	Poly	2	0.00	99.30	2	2

Table 5 continued:

<b>Taxon Name</b>	<b>Phylum</b>	<b>Class</b>	<b>No. of Individuals</b>	<b>% of Total</b>	<b>Cumulative %</b>	<b>Station Occurrence</b>	<b>% Station Occurrence</b>
<i>Microspio pigmentata</i>	Ann	Poly	2	0.00	99.31	2	2
<i>Mulinia lateralis</i>	Mol	Biva	2	0.00	99.31	2	2
<i>Murex cabritii</i>	Mol	Gast	2	0.00	99.31	2	2
Nassariidae (LPIL)	Mol	Gast	2	0.00	99.32	2	2
<i>Nassarina glypta</i>	Mol	Gast	2	0.00	99.32	1	1
<i>Nassarius albus</i>	Mol	Gast	2	0.00	99.32	2	2
<i>Nassarius vibex</i>	Mol	Gast	2	0.00	99.33	2	2
<i>Nephtys incisa</i>	Ann	Poly	2	0.00	99.33	2	2
<i>Nereis acuminata</i>	Ann	Poly	2	0.00	99.33	2	2
<i>Nereis goagirana</i>	Ann	Poly	2	0.00	99.34	1	1
<i>Neverita duplicata</i>	Mol	Gast	2	0.00	99.34	2	2
<i>Notomastus daueri</i>	Ann	Poly	2	0.00	99.34	2	2
<i>Nucula</i> (LPIL)	Mol	Biva	2	0.00	99.35	1	1
<i>Odontosyllis</i> (LPIL)	Ann	Poly	2	0.00	99.35	2	2
<i>Ophiothrix</i> (LPIL)	Ech	Ophi	2	0.00	99.35	2	2
<i>Oxyurostylis</i> (LPIL)	Art	Mala	2	0.00	99.36	2	2
<i>Pandora</i> sp. B	Mol	Biva	2	0.00	99.36	2	2
<i>Panopeus herbstii</i>	Art	Mala	2	0.00	99.36	2	2
<i>Panopeus occidentalis</i>	Art	Mala	2	0.00	99.37	2	2
Paratanaidae (LPIL)	Art	Mala	2	0.00	99.37	2	2
Parthenopidae (LPIL)	Art	Mala	2	0.00	99.37	2	2
<i>Periploma</i> sp. B	Mol	Biva	2	0.00	99.37	2	2
<i>Pettiboneia blakei</i>	Ann	Poly	2	0.00	99.38	2	2
<i>Pholoe</i> (LPIL)	Ann	Poly	2	0.00	99.38	2	2
<i>Pilargis berkeleyae</i>	Ann	Poly	2	0.00	99.38	2	2
<i>Pinna</i> (LPIL)	Mol	Biva	2	0.00	99.39	2	2
<i>Pinnixa</i> sp. H	Art	Mala	2	0.00	99.39	1	1
<i>Pista cristata</i>	Ann	Poly	2	0.00	99.39	2	2
<i>Platynereis dumerilli</i>	Ann	Poly	2	0.00	99.40	2	2
<i>Plesiolembos ovalipes</i>	Art	Mala	2	0.00	99.40	1	1
Pleurobranchiidae Genus A	Mol	Gast	2	0.00	99.40	1	1
<i>Podarke</i> sp. D	Ann	Poly	2	0.00	99.41	1	1
<i>Polinices lacteus</i>	Mol	Gast	2	0.00	99.41	2	2
<i>Polycera herthae</i>	Mol	Gast	2	0.00	99.41	1	1
<i>Polydora cornuta</i>	Ann	Poly	2	0.00	99.42	2	2
<i>Protula</i> sp. A	Ann	Poly	2	0.00	99.42	1	1
<i>Psammolyce</i> cf. <i>spinosa</i>	Ann	Poly	2	0.00	99.42	1	1
<i>Psammolyce ctenidophora</i>	Ann	Poly	2	0.00	99.43	1	1
<i>Pseudocryptochirus hypostegus</i>	Art	Mala	2	0.00	99.43	1	1
<i>Pseudunciola obliquua</i>	Art	Mala	2	0.00	99.43	2	2
<i>Pyrunculus caelatus</i>	Mol	Gast	2	0.00	99.44	2	2
<i>Rhodine</i> sp. A	Ann	Poly	2	0.00	99.44	1	1
<i>Rissoina decussata</i>	Mol	Gast	2	0.00	99.44	1	1
Scalibregmatidae (LPIL)	Ann	Poly	2	0.00	99.44	1	1
<i>Scaphander watsoni</i>	Mol	Gast	2	0.00	99.45	2	2
<i>Schwartziella catesbyana</i>	Mol	Gast	2	0.00	99.45	1	1
<i>Scolecopsis squamata</i>	Ann	Poly	2	0.00	99.45	2	2
Sphaeromatidae (LPIL)	Art	Mala	2	0.00	99.46	2	2
<i>Sphaerosyllis perkinsi</i>	Ann	Poly	2	0.00	99.46	2	2
Squillidae (LPIL)	Art	Mala	2	0.00	99.46	2	2
Stenothoidae (LPIL)	Art	Mala	2	0.00	99.47	2	2
<i>Streblospio benedicti</i>	Ann	Poly	2	0.00	99.47	2	2
<i>Streptospinigera heteroseta</i>	Ann	Poly	2	0.00	99.47	2	2
<i>Symethis variolosa</i>	Art	Mala	2	0.00	99.48	2	2
<i>Teinostoma megastoma</i>	Mol	Gast	2	0.00	99.48	1	1
<i>Tellidora cristata</i>	Mol	Biva	2	0.00	99.48	1	1
<i>Tellina tenella</i>	Mol	Biva	2	0.00	99.49	1	1
<i>Thyasira trisinuata</i>	Mol	Biva	2	0.00	99.49	2	2
<i>Thyone</i> (LPIL)	Ech	Holo	2	0.00	99.49	2	2
<i>Trachypenaeus</i> (LPIL)	Art	Mala	2	0.00	99.50	1	1

Table 5 continued:

Taxon Name	Phylum	Class	No. of Individuals	% of Total	Cumulative %	Station Occurrence	% Station Occurrence
<i>Trypanosyllis parvidentata</i>	Ann	Poly	2	0.00	99.50	2	2
<i>Trypanosyllis</i> sp. C	Ann	Poly	2	0.00	99.50	2	2
<i>Turbonilla hemphilli</i>	Mol	Gast	2	0.00	99.51	2	2
<i>Turritella</i> (LPIL)	Mol	Gast	2	0.00	99.51	2	2
<i>Unciola</i> (LPIL)	Art	Mala	2	0.00	99.51	2	2
<i>Uromunna reynoldsi</i>	Art	Mala	2	0.00	99.52	1	1
<i>Volvarina avena</i>	Mol	Gast	2	0.00	99.52	1	1
<i>Volvulella acutus</i>	Mol	Gast	2	0.00	99.52	2	2
<i>Aepinus septemspinus</i>	Art	Mala	1	0.00	99.52	1	1
<i>Alpheopsis trispinosus</i>	Art	Mala	1	0.00	99.52	1	1
<i>Alpheus bouvieri</i>	Art	Mala	1	0.00	99.53	1	1
<i>Amaea retifera</i>	Mol	Gast	1	0.00	99.53	1	1
<i>Amakusanthura signata</i>	Art	Mala	1	0.00	99.53	1	1
<i>Ampithoe</i> (LPIL)	Art	Mala	1	0.00	99.53	1	1
<i>Ampithoe ramondi</i>	Art	Mala	1	0.00	99.53	1	1
<i>Anachis lafresnayi</i>	Mol	Gast	1	0.00	99.53	1	1
<i>Anadara</i> (LPIL)	Mol	Biva	1	0.00	99.54	1	1
<i>Anadara notabilis</i>	Mol	Biva	1	0.00	99.54	1	1
<i>Anamaera hixonii</i>	Art	Mala	1	0.00	99.54	1	1
<i>Anchialina typica</i>	Art	Mala	1	0.00	99.54	1	1
<i>Anodontia</i> (LPIL)	Mol	Biva	1	0.00	99.54	1	1
<i>Antillophos candei</i>	Mol	Gast	1	0.00	99.54	1	1
<i>Aphroditidae</i> (LPIL)	Ann	Poly	1	0.00	99.55	1	1
<i>Aplysia juliana</i>	Mol	Gast	1	0.00	99.55	1	1
<i>Arachnopsis filipes</i>	Art	Mala	1	0.00	99.55	1	1
<i>Arcturidae</i> (LPIL)	Art	Mala	1	0.00	99.55	1	1
<i>Argopecten irradians</i>	Mol	Biva	1	0.00	99.55	1	1
<i>Asaphis deflorata</i>	Mol	Biva	1	0.00	99.55	1	1
<i>Astacilla cymodocea</i>	Art	Mala	1	0.00	99.56	1	1
<i>Astropecten duplicatus</i>	Ech	Aste	1	0.00	99.56	1	1
<i>Atys</i> (LPIL)	Mol	Gast	1	0.00	99.56	1	1
<i>Axiiothella</i> sp. A	Ann	Poly	1	0.00	99.56	1	1
<i>Bathymedon</i> sp. C	Art	Mala	1	0.00	99.56	1	1
<i>Bellaspira pentagonalis</i>	Mol	Gast	1	0.00	99.56	1	1
<i>Bemlos spinicarpus spinicarpus</i>	Art	Mala	1	0.00	99.56	1	1
<i>Bentharca</i> sp. A	Mol	Biva	1	0.00	99.57	1	1
<i>Bentharca</i> sp. B	Mol	Biva	1	0.00	99.57	1	1
<i>Berthella tupala</i>	Mol	Gast	1	0.00	99.57	1	1
<i>Bittium</i> (LPIL)	Mol	Gast	1	0.00	99.57	1	1
<i>Bodotriidae</i> (LPIL)	Art	Mala	1	0.00	99.57	1	1
<i>Bowmaniella brasiliensis</i>	Art	Mala	1	0.00	99.57	1	1
<i>Brachiomma</i> (LPIL)	Ann	Poly	1	0.00	99.58	1	1
<i>Brissus unicolor</i>	Ech	Echin	1	0.00	99.58	1	1
<i>Buccinidae</i> (LPIL)	Mol	Gast	1	0.00	99.58	1	1
<i>Bushia elegans</i>	Mol	Biva	1	0.00	99.58	1	1
<i>Calappa</i> (LPIL)	Art	Mala	1	0.00	99.58	1	1
<i>Calliostoma</i> (LPIL)	Mol	Gast	1	0.00	99.58	1	1
<i>Campylaspis</i> sp. Y	Art	Mala	1	0.00	99.59	1	1
<i>Capitella capitata</i>	Ann	Poly	1	0.00	99.59	1	1
<i>Carazziella hobsonae</i>	Ann	Poly	1	0.00	99.59	1	1
<i>Cardiidae</i> (LPIL)	Mol	Biva	1	0.00	99.59	1	1
<i>Carditidae</i> (LPIL)	Mol	Biva	1	0.00	99.59	1	1
<i>Caulleriella</i> sp. B	Ann	Poly	1	0.00	99.59	1	1
<i>Caulleriella</i> sp. J	Ann	Poly	1	0.00	99.59	1	1
<i>Ceradocus sheardi</i>	Art	Mala	1	0.00	99.60	1	1
<i>Cerapus cudjoe</i>	Art	Mala	1	0.00	99.60	1	1
<i>Ceratocuma</i> sp. B	Art	Mala	1	0.00	99.60	1	1
<i>Cerithiopsis</i> (LPIL)	Mol	Gast	1	0.00	99.60	1	1
<i>Cerithiopsis crystallinum</i>	Mol	Gast	1	0.00	99.60	1	1
<i>Cerithium guinaicum</i>	Mol	Gast	1	0.00	99.60	1	1

Table 5 continued:

Taxon Name	Phylum	Class	No. of Individuals	% of Total	Cumulative %	Station Occurrence	% Station Occurrence
<i>Chaetopleura</i> (LPIL)	Mol	Polyp	1	0.00	99.61	1	1
<i>Cirratulus</i> (LPIL)	Ann	Poly	1	0.00	99.61	1	1
<i>Cirrophorus ilvana</i>	Ann	Poly	1	0.00	99.61	1	1
<i>Cirrophorus perkinsi</i>	Ann	Poly	1	0.00	99.61	1	1
<i>Clymenella torquata</i>	Ann	Poly	1	0.00	99.61	1	1
<i>Clypeaster subdepressus</i>	Ech	Echin	1	0.00	99.61	1	1
<i>Clythrocerus</i> (LPIL)	Art	Mala	1	0.00	99.62	1	1
<i>Clythrocerus nitidus</i>	Art	Mala	1	0.00	99.62	1	1
Colomastigidae (LPIL)	Art	Mala	1	0.00	99.62	1	1
<i>Colomastix</i> (LPIL)	Art	Mala	1	0.00	99.62	1	1
<i>Colomastix halichondriae</i>	Art	Mala	1	0.00	99.62	1	1
<i>Compsodrillia</i> sp. A	Mol	Gast	1	0.00	99.62	1	1
<i>Conus</i> (LPIL)	Mol	Gast	1	0.00	99.63	1	1
Corbiculidae (LPIL)	Mol	Biva	1	0.00	99.63	1	1
Corophiidae (LPIL)	Art	Mala	1	0.00	99.63	1	1
<i>Crepidula fornicata</i>	Mol	Gast	1	0.00	99.63	1	1
<i>Crepidula maculosa</i>	Mol	Gast	1	0.00	99.63	1	1
<i>Cryptopodia concava</i>	Art	Mala	1	0.00	99.63	1	1
<i>Cumella</i> sp. I	Art	Mala	1	0.00	99.63	1	1
<i>Cuspidaria jeffreysi</i>	Mol	Biva	1	0.00	99.64	1	1
<i>Cyclaspis</i> sp. F	Art	Mala	1	0.00	99.64	1	1
<i>Cyclaspis</i> sp. X	Art	Mala	1	0.00	99.64	1	1
<i>Cyclostrema cancellatum</i>	Mol	Gast	1	0.00	99.64	1	1
<i>Cylichnella tenuis</i>	Mol	Gast	1	0.00	99.64	1	1
<i>Daphnella morra</i>	Mol	Gast	1	0.00	99.64	1	1
<i>Dasybranchus lumbricoides</i>	Ann	Poly	1	0.00	99.65	1	1
<i>Dasybranchus lunulatus</i>	Ann	Poly	1	0.00	99.65	1	1
Diastylidae (LPIL)	Art	Mala	1	0.00	99.65	1	1
<i>Diplocirrus</i> (LPIL)	Ann	Poly	1	0.00	99.65	1	1
<i>Dispio uncinata</i>	Ann	Poly	1	0.00	99.65	1	1
<i>Dorvillea</i> (LPIL)	Ann	Poly	1	0.00	99.65	1	1
<i>Dorvillea sociabilis</i>	Ann	Poly	1	0.00	99.66	1	1
<i>Drilonereis</i> (LPIL)	Ann	Poly	1	0.00	99.66	1	1
<i>Drilonereis</i> sp. E	Ann	Poly	1	0.00	99.66	1	1
Echinodermata (LPIL)	Ech	-	1	0.00	99.66	1	1
<i>Echinoneus cyclostomus</i>	Ech	Echin	1	0.00	99.66	1	1
<i>Encope</i> (LPIL)	Ech	Echin	1	0.00	99.66	1	1
<i>Encope aberrans</i>	Ech	Echin	1	0.00	99.67	1	1
<i>Engoniophos uncinatus</i>	Mol	Gast	1	0.00	99.67	1	1
<i>Episcynia multicarinata</i>	Mol	Gast	1	0.00	99.67	1	1
<i>Epitonium foliaceicostum</i>	Mol	Gast	1	0.00	99.67	1	1
<i>Epitonium multistriatum</i>	Mol	Gast	1	0.00	99.67	1	1
<i>Erichthonius rubricornis</i>	Art	Mala	1	0.00	99.67	1	1
<i>Euceramus praelongus</i>	Art	Mala	1	0.00	99.67	1	1
<i>Euchone incolor</i>	Ann	Poly	1	0.00	99.68	1	1
<i>Euchone</i> sp. A	Ann	Poly	1	0.00	99.68	1	1
<i>Eupanthalis</i> (LPIL)	Ann	Poly	1	0.00	99.68	1	1
<i>Eupolymnia</i> (LPIL)	Ann	Poly	1	0.00	99.68	1	1
<i>Eupolymnia</i> sp. A	Ann	Poly	1	0.00	99.68	1	1
<i>Euprognatha rastellifera</i>	Art	Mala	1	0.00	99.68	1	1
<i>Eurysyllis tuberculata</i>	Ann	Poly	1	0.00	99.69	1	1
<i>Eusyllis kupfferi</i>	Ann	Poly	1	0.00	99.69	1	1
<i>Exogone wolffi</i>	Ann	Poly	1	0.00	99.69	1	1
<i>Fasciolaria lilium</i>	Mol	Gast	1	0.00	99.69	1	1
Fissurellidae (LPIL)	Mol	Gast	1	0.00	99.69	1	1
<i>Gasteropteron rubrum</i>	Mol	Gast	1	0.00	99.69	1	1
<i>Gemma gemma</i>	Mol	Biva	1	0.00	99.70	1	1
Genus A Ampharetidae Genus A	Ann	Poly	1	0.00	99.70	1	1
Genus A Polynoidae Genus A	Ann	Poly	1	0.00	99.70	1	1
Genus C Melitidae Genus C	Art	Mala	1	0.00	99.70	1	1

Table 5 continued:

Taxon Name	Phylum	Class	No. of Individuals	% of Total	Cumulative %	Station Occurrence	% Station Occurrence
Genus D Synopiidae Genus D	Art	Mala	1	0.00	99.70	1	1
Genus L Turridae Genus L	Mol	Gast	1	0.00	99.70	1	1
<i>Gibberosus myersi</i>	Art	Mala	1	0.00	99.70	1	1
<i>Glans dominguensis</i>	Mol	Biva	1	0.00	99.71	1	1
<i>Glycera</i> sp. A	Ann	Poly	1	0.00	99.71	1	1
Glycymerididae (LPIL)	Mol	Biva	1	0.00	99.71	1	1
<i>Goniada</i> (LPIL)	Ann	Poly	1	0.00	99.71	1	1
<i>Goniada littorea</i>	Ann	Poly	1	0.00	99.71	1	1
<i>Goniadella</i> sp. B	Ann	Poly	1	0.00	99.71	1	1
Grapsidae (LPIL)	Art	Mala	1	0.00	99.72	1	1
<i>Grubeosyllis</i> (LPIL)	Ann	Poly	1	0.00	99.72	1	1
<i>Grubeosyllis clavata</i>	Ann	Poly	1	0.00	99.72	1	1
<i>Hartmanodes nyei</i>	Art	Mala	1	0.00	99.72	1	1
<i>Hemipodus roseus</i>	Ann	Poly	1	0.00	99.72	1	1
<i>Hemiproto wigleyi</i>	Art	Mala	1	0.00	99.72	1	1
<i>Hepatus epheliticus</i>	Art	Mala	1	0.00	99.73	1	1
<i>Heterophoxus</i> (LPIL)	Art	Mala	1	0.00	99.73	1	1
<i>Heterophoxus</i> sp. B	Art	Mala	1	0.00	99.73	1	1
<i>Hexapanopeus hemphilli</i>	Art	Mala	1	0.00	99.73	1	1
<i>Hippolyte zostericola</i>	Art	Mala	1	0.00	99.73	1	1
Hippolytidae (LPIL)	Art	Mala	1	0.00	99.73	1	1
<i>Hippomedon</i> (LPIL)	Art	Mala	1	0.00	99.74	1	1
<i>Hippomedon</i> sp. D	Art	Mala	1	0.00	99.74	1	1
<i>Holothuria thomasi</i>	Ech	Holo	1	0.00	99.74	1	1
<i>Hoplophenoides obesa</i>	Art	Mala	1	0.00	99.74	1	1
<i>Hornellia tequestae</i>	Art	Mala	1	0.00	99.74	1	1
<i>Hyboscolex quadricincta</i>	Ann	Poly	1	0.00	99.74	1	1
<i>Hydroides</i> sp. A	Ann	Poly	1	0.00	99.74	1	1
<i>Hypereteone heteropoda</i>	Ann	Poly	1	0.00	99.75	1	1
<i>Hypoconcha</i> (LPIL)	Art	Mala	1	0.00	99.75	1	1
<i>Hypoconcha arcuata</i>	Art	Mala	1	0.00	99.75	1	1
<i>Iliacantha intermedia</i>	Art	Mala	1	0.00	99.75	1	1
<i>Ischnochiton papillosus</i>	Mol	Polyp	1	0.00	99.75	1	1
<i>Kurtziella rubella</i>	Mol	Gast	1	0.00	99.75	1	1
<i>Laevicardium mortoni</i>	Mol	Biva	1	0.00	99.76	1	1
<i>Laevicardium sybariticum</i>	Mol	Biva	1	0.00	99.76	1	1
Lasaeidae Genus B	Mol	Biva	1	0.00	99.76	1	1
Lasaeidae Genus C	Mol	Biva	1	0.00	99.76	1	1
<i>Latirus</i> (LPIL)	Mol	Gast	1	0.00	99.76	1	1
<i>Leiocapitella glabra</i>	Ann	Poly	1	0.00	99.76	1	1
<i>Leiolambrus nitidus</i>	Art	Mala	1	0.00	99.77	1	1
<i>Lembos unicornis</i>	Art	Mala	1	0.00	99.77	1	1
<i>Leptochelia</i> sp. D	Art	Mala	1	0.00	99.77	1	1
<i>Leucon</i> (LPIL)	Art	Mala	1	0.00	99.77	1	1
Leuconidae (LPIL)	Art	Mala	1	0.00	99.77	1	1
Leucosiidae (LPIL)	Art	Mala	1	0.00	99.77	1	1
Liljeborgiidae (LPIL)	Art	Mala	1	0.00	99.78	1	1
<i>Limnoria</i> (LPIL)	Art	Mala	1	0.00	99.78	1	1
<i>Listriella carinata</i>	Art	Mala	1	0.00	99.78	1	1
<i>Lucina pectinata</i>	Mol	Biva	1	0.00	99.78	1	1
<i>Lumbrineris cruzensis</i>	Ann	Poly	1	0.00	99.78	1	1
<i>Macromphalina adamsi</i>	Mol	Gast	1	0.00	99.78	1	1
<i>Macromphalina floridana</i>	Mol	Gast	1	0.00	99.78	1	1
<i>Magelona</i> sp. K	Ann	Poly	1	0.00	99.79	1	1
Magelonidae (LPIL)	Ann	Poly	1	0.00	99.79	1	1
<i>Malmgreniella</i> (LPIL)	Ann	Poly	1	0.00	99.79	1	1
<i>Mangelia fusca</i>	Mol	Gast	1	0.00	99.79	1	1
<i>Mediomastus ambiseta</i>	Ann	Poly	1	0.00	99.79	1	1
<i>Megalomma lobiferum</i>	Ann	Poly	1	0.00	99.79	1	1
<i>Megalomma pigmentum</i>	Ann	Poly	1	0.00	99.80	1	1

Table 5 continued:

Taxon Name	Phylum	Class	No. of Individuals	% of Total	Cumulative %	Station Occurrence	% Station Occurrence
<i>Mesorhoea sexspinoso</i>	Art	Mala	1	0.00	99.80	1	1
<i>Metapenaeopsis goodei</i>	Art	Mala	1	0.00	99.80	1	1
<i>Metaphoxus</i> (LPIL)	Art	Mala	1	0.00	99.80	1	1
<i>Modiolus americanus</i>	Mol	Biva	1	0.00	99.80	1	1
<i>Modiolus modiolus squamosus</i>	Mol	Biva	1	0.00	99.80	1	1
<i>Modulus modulus</i>	Mol	Gast	1	0.00	99.81	1	1
<i>Morum oniscus</i>	Mol	Gast	1	0.00	99.81	1	1
<i>Munida pusilla</i>	Art	Mala	1	0.00	99.81	1	1
<i>Murex</i> (LPIL)	Mol	Gast	1	0.00	99.81	1	1
Muricidae (LPIL)	Mol	Gast	1	0.00	99.81	1	1
<i>Mysella</i> (LPIL)	Mol	Biva	1	0.00	99.81	1	1
Mysidacea (LPIL)	Art	Mala	1	0.00	99.81	1	1
<i>Mystides borealis</i>	Ann	Poly	1	0.00	99.82	1	1
<i>Naineris</i> (LPIL)	Ann	Poly	1	0.00	99.82	1	1
<i>Naineris bicornis</i>	Ann	Poly	1	0.00	99.82	1	1
<i>Nassarius</i> (LPIL)	Mol	Gast	1	0.00	99.82	1	1
<i>Nebatia</i> (LPIL)	Art	Mala	1	0.00	99.82	1	1
Nebaliidae (LPIL)	Art	Mala	1	0.00	99.82	1	1
<i>Neogonodactylus wenneae</i>	Art	Mala	1	0.00	99.83	1	1
<i>Neoleprea</i> sp. A	Ann	Poly	1	0.00	99.83	1	1
<i>Neomegamphopus kalanii</i>	Art	Mala	1	0.00	99.83	1	1
<i>Nereis diversicolor</i>	Ann	Poly	1	0.00	99.83	1	1
<i>Netamelita</i> (LPIL)	Art	Mala	1	0.00	99.83	1	1
<i>Notomastus lineatus</i>	Ann	Poly	1	0.00	99.83	1	1
<i>Odostomia laevigata</i>	Mol	Gast	1	0.00	99.84	1	1
<i>Olivella bullula</i>	Mol	Gast	1	0.00	99.84	1	1
<i>Ophioderma</i> (LPIL)	Ech	Ophi	1	0.00	99.84	1	1
<i>Ophiolepis</i> (LPIL)	Ech	Ophi	1	0.00	99.84	1	1
<i>Ophiophragmus</i> (LPIL)	Ech	Ophi	1	0.00	99.84	1	1
<i>Ophiophragmus pulcher</i>	Ech	Ophi	1	0.00	99.84	1	1
<i>Ophiostigma isocanthum</i>	Ech	Ophi	1	0.00	99.85	1	1
<i>Paleanotus chrysolepis</i>	Ann	Poly	1	0.00	99.85	1	1
<i>Pandora</i> (LPIL)	Mol	Biva	1	0.00	99.85	1	1
<i>Pandora arenosa</i>	Mol	Biva	1	0.00	99.85	1	1
Pandoridae (LPIL)	Mol	Biva	1	0.00	99.85	1	1
<i>Paracaprella tenuis</i>	Art	Mala	1	0.00	99.85	1	1
<i>Paraonis fulgens</i>	Ann	Poly	1	0.00	99.85	1	1
<i>Paraonis pygoenigmatica</i>	Ann	Poly	1	0.00	99.86	1	1
Pasiphaeidae (LPIL)	Art	Mala	1	0.00	99.86	1	1
<i>Patelloida pustulata</i>	Mol	Gast	1	0.00	99.86	1	1
<i>Pectinaria regalis</i>	Ann	Poly	1	0.00	99.86	1	1
<i>Pentamera pulcherrima</i>	Ech	Holo	1	0.00	99.86	1	1
<i>Periploma fragile</i>	Mol	Biva	1	0.00	99.86	1	1
<i>Philine</i> (LPIL)	Mol	Gast	1	0.00	99.87	1	1
Philinidae (LPIL)	Mol	Gast	1	0.00	99.87	1	1
Phyllophoridae (LPIL)	Ech	Holo	1	0.00	99.87	1	1
Pilargiidae (LPIL)	Ann	Poly	1	0.00	99.87	1	1
<i>Pilumnus dasypodus</i>	Art	Mala	1	0.00	99.87	1	1
<i>Pilumnus sayi</i>	Art	Mala	1	0.00	99.87	1	1
<i>Pinnotheres</i> (LPIL)	Art	Mala	1	0.00	99.88	1	1
<i>Pinnotheres maculatus</i>	Art	Mala	1	0.00	99.88	1	1
<i>Pionosyllis luquei</i>	Ann	Poly	1	0.00	99.88	1	1
<i>Pitar albidus</i>	Mol	Biva	1	0.00	99.88	1	1
<i>Platysquilla horologii</i>	Art	Mala	1	0.00	99.88	1	1
<i>Pleurobranchaea hedgepethi</i>	Mol	Gast	1	0.00	99.88	1	1
Pleurobranchiidae (LPIL)	Mol	Gast	1	0.00	99.89	1	1
<i>Pleurotomella</i> sp. A	Mol	Gast	1	0.00	99.89	1	1
Podoceridae (LPIL)	Art	Mala	1	0.00	99.89	1	1
<i>Podocerus kleidus</i>	Art	Mala	1	0.00	99.89	1	1
<i>Podocheila</i> (LPIL)	Art	Mala	1	0.00	99.89	1	1

Table 5 continued:

<b>Taxon Name</b>	<b>Phylum</b>	<b>Class</b>	<b>No. of Individuals</b>	<b>% of Total</b>	<b>Cumulative %</b>	<b>Station Occurrence</b>	<b>% Station Occurrence</b>
<i>Podochela sidneyi</i>	Art	Mala	1	0.00	99.89	1	1
<i>Polyodontes</i> (LPIL)	Ann	Poly	1	0.00	99.89	1	1
<i>Polyodontes frons</i>	Ann	Poly	1	0.00	99.90	1	1
<i>Polyodontes lupinus</i>	Ann	Poly	1	0.00	99.90	1	1
<i>Polyodontes oculus</i>	Ann	Poly	1	0.00	99.90	1	1
Porcellanidae (LPIL)	Art	Mala	1	0.00	99.90	1	1
Portunidae (LPIL)	Art	Mala	1	0.00	99.90	1	1
<i>Portunus ordwayi</i>	Art	Mala	1	0.00	99.90	1	1
<i>Potamethus</i> sp. A	Ann	Poly	1	0.00	99.91	1	1
Priapulida (LPIL)	Pri	-	1	0.00	99.91	1	1
<i>Proeulepethus clarki</i>	Ann	Poly	1	0.00	99.91	1	1
<i>Propeamusium</i> (LPIL)	Mol	Biva	1	0.00	99.91	1	1
<i>Pseudohaustorius</i> sp. A	Art	Mala	1	0.00	99.91	1	1
<i>Pseudoleptocheilia</i> (LPIL)	Art	Mala	1	0.00	99.91	1	1
<i>Pseudostomatella</i> sp. A	Mol	Gast	1	0.00	99.92	1	1
<i>Pyrgocythara plicosa</i>	Mol	Gast	1	0.00	99.92	1	1
<i>Ranilia constricta</i>	Art	Mala	1	0.00	99.92	1	1
<i>Rhamphobranchium atlanticum</i>	Ann	Poly	1	0.00	99.92	1	1
<i>Rissoina cancellata</i>	Mol	Gast	1	0.00	99.92	1	1
<i>Rochinia crassa</i>	Art	Mala	1	0.00	99.92	1	1
Saccocirridae (LPIL)	Ann	Poly	1	0.00	99.93	1	1
<i>Scaphander punctostriatus</i>	Mol	Gast	1	0.00	99.93	1	1
<i>Schistomeringos</i> sp. A	Ann	Poly	1	0.00	99.93	1	1
<i>Scissurella proxima</i>	Mol	Gast	1	0.00	99.93	1	1
<i>Scoletoma tenuis</i>	Ann	Poly	1	0.00	99.93	1	1
<i>Scyllarus chacei</i>	Art	Mala	1	0.00	99.93	1	1
<i>Serpula</i> sp. A	Ann	Poly	1	0.00	99.93	1	1
<i>Sicyonia laevigata</i>	Art	Mala	1	0.00	99.94	1	1
<i>Sicyonia typica</i>	Art	Mala	1	0.00	99.94	1	1
<i>Sigalion</i> sp. B	Ann	Poly	1	0.00	99.94	1	1
<i>Sigambra bassi</i>	Ann	Poly	1	0.00	99.94	1	1
<i>Solecortus cumingianus</i>	Mol	Biva	1	0.00	99.94	1	1
<i>Sphaerosyllis bilobata</i>	Ann	Poly	1	0.00	99.94	1	1
<i>Sphaerosyllis magnidentata</i>	Ann	Poly	1	0.00	99.95	1	1
<i>Sphenia antillensis</i>	Mol	Biva	1	0.00	99.95	1	1
<i>Sthenolepis</i> sp. A	Ann	Poly	1	0.00	99.95	1	1
Stomatopoda (LPIL)	Art	Mala	1	0.00	99.95	1	1
<i>Streptosyllis pettiboneae</i>	Ann	Poly	1	0.00	99.95	1	1
<i>Synalpheus mcclendoni</i>	Art	Mala	1	0.00	99.95	1	1
<i>Synalpheus townsendi</i>	Art	Mala	1	0.00	99.96	1	1
Synaptidae (LPIL)	Ech	Holo	1	0.00	99.96	1	1
<i>Syrrhoites</i> sp. A	Art	Mala	1	0.00	99.96	1	1
<i>Tanaella</i> sp. A	Art	Mala	1	0.00	99.96	1	1
<i>Teinostoma biscaynense</i>	Mol	Gast	1	0.00	99.96	1	1
<i>Tellina nitens</i>	Mol	Biva	1	0.00	99.96	1	1
Terebellidae (LPIL)	Ann	Poly	1	0.00	99.96	1	1
<i>Thyasira</i> (LPIL)	Mol	Biva	1	0.00	99.97	1	1
<i>Thyone deichmannae</i>	Ech	Holo	1	0.00	99.97	1	1
<i>Trachycardium</i> (LPIL)	Mol	Biva	1	0.00	99.97	1	1
<i>Trachycardium egmontianum</i>	Mol	Biva	1	0.00	99.97	1	1
<i>Trachypenaopsis mobilispinis</i>	Art	Mala	1	0.00	99.97	1	1
<i>Trachypenaeus constrictus</i>	Art	Mala	1	0.00	99.97	1	1
<i>Trapezioplax tridentata</i>	Art	Mala	1	0.00	99.98	1	1
<i>Travisia hobsonae</i>	Ann	Poly	1	0.00	99.98	1	1
<i>Trypanosyllis attenuata</i>	Ann	Poly	1	0.00	99.98	1	1
<i>Trypanosyllis vittigera</i>	Ann	Poly	1	0.00	99.98	1	1
<i>Tryphosella</i> (LPIL)	Art	Mala	1	0.00	99.98	1	1
Turbinidae (LPIL)	Mol	Gast	1	0.00	99.98	1	1
<i>Turbo castanea</i>	Mol	Gast	1	0.00	99.99	1	1
Turridae Genus P	Mol	Gast	1	0.00	99.99	1	1

Table 5 continued:

<b>Taxon Name</b>	<b>Phylum</b>	<b>Class</b>	<b>No. of Individuals</b>	<b>% of Total</b>	<b>Cumulative %</b>	<b>Station Occurrence</b>	<b>% Station Occurrence</b>
<i>Typosyllis armillaris</i>	Ann	Poly	1	0.00	99.99	1	1
<i>Unciola serrata</i>	Art	Mala	1	0.00	99.99	1	1
<i>Upogebia spinistipula</i>	Art	Mala	1	0.00	99.99	1	1
Upogebiidae (LPIL)	Art	Mala	1	0.00	99.99	1	1
<i>Verticordia fischeriana</i>	Mol	Biva	1	0.00	100.00	1	1
<i>Vitrinella</i> (LPIL)	Mol	Gast	1	0.00	100.00	1	1
<i>Xenanthura</i> (LPIL)	Art	Mala	1	0.00	100.00	1	1
<i>Zachsiella</i> sp. A	Ann	Poly	1	0.00	100.00	1	1

**Taxa Key**

Ann = Annelida	Cho = Chordata	Echi = Echiura	Pla = Platyhelminthes
Olig = Oligochaeta	Asci = Ascidiacea	Hem = Hemichordata	Turb = Turbellaria
Poly = Polychaeta	Lept = Leptocardia	Ente = Enteropneusta	Por = Porifera
Art = Arthropoda	Cni = Cnidaria	Mol = Mollusca	Pri = Priapulida
Bran = Branchiopoda	Anth = Anthozoa	Apla = Aplacophora	Rhy = Rhynchozoela
Mala = Malacostraca	Hydr = Hydrozoa	Biva = Bivalvia	Anop = Anopla
Pycn = Pycnogonida	Ech = Echinodermata	Gast = Gastropoda	Sip = Sipuncula
Bra = Brachiopoda	Aste = Asterozoa	Polyp = Polyplacophora	
Bry = Bryozoa	Echin = Echinozoa	Scap = Scaphopoda	
	Holo = Holothurozoa	Pho = Phoronida	
	Ophi = Ophiurozoa		



Table 6. Percentage abundance of dominant taxa (> 10% of the total) for South Florida Gulf stations, August 2000.

Taxa	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>Annelida</b>																	
Polychaeta																	
<i>Aricidea taylori</i>																	
<i>Aricidea wassi</i>																	
<i>Armandia maculata</i>																	
<i>Haplosyllis spongicola</i>																	
<i>Litocorsa antennata</i>	10.2				10.1												
<i>Magelona pettiboneae</i>																	
<i>Mediomastus</i> (LPIL)																	
<i>Prionospio</i> (LPIL)																	
<i>Scoletoma verrilli</i>																	
Serpulidae (LPIL)																	
<i>Synelmis acuminata</i>																	
<i>Synelmis ewingi</i>																	
<b>Arthropoda</b>																	
Malacostraca																	
<i>Acanthohaustorius pansus</i>																	
<i>Apseudes propinquus</i>																	
<i>Bunakenia</i> sp. B																	
<i>Chevalia carpenteri</i>																	
<b>Bryozoa</b>																	
Bryozoa (LPIL)																	
<b>Chordata</b>																	
Leptocardia																	
<i>Branchiostoma</i> (LPIL)																	
<b>Cnidaria</b>																	
Cnidaria (LPIL)																	
Anthozoa																	
Actiniaria (LPIL)																	



Table 6 continued:

Taxa	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
<b>Annelida</b>																	
Polychaeta																	
<i>Aricidea taylori</i>																	
<i>Aricidea wassi</i>																	
<i>Armandia maculata</i>																	
<i>Haplosyllis spongicola</i>																	
<i>Litocorsa antennata</i>																	
<i>Magelona pettiboneae</i>																	
<i>Mediomastus</i> (LPIL)																	
<i>Prionospio</i> (LPIL)																	
<i>Scoletoma verrilli</i>																	
Serpulidae (LPIL)																	
<i>Synelmis acuminata</i>																	
<i>Synelmis ewingi</i>																	
<b>Arthropoda</b>																	
Malacostraca																	
<i>Acanthohaustorius pansus</i>																	
<i>Apseudes propinquus</i>																	
<i>Bunakenia</i> sp. B																	
<i>Chevalia carpenteri</i>																	
<b>Bryozoa</b>																	
Bryozoa (LPIL)																	
<b>Chordata</b>																	
Leptocardia																	
<i>Branchiostoma</i> (LPIL)																	
<b>Cnidaria</b>																	
Cnidaria (LPIL)																	
Anthozoa																	
Actiniaria (LPIL)																	





















Table 7. Summary of benthic macroinfaunal data for South Florida Gulf stations, August 2000.

Station	Rep	Taxa	Indvs	Density	Mean No. Taxa	Taxa (SD)	Mean Density	Density (SD)	Total No. Taxa	Total No. Individuals	H' Diversity	J' Evenness
1	1	59	184	4600	71.3	15.7	5383.3	752.2	138	646	4.16	0.84
	2	89	244	6100								
	3	66	218	5450								
2	1	59	174	4350	59.7	5.0	4991.7	1047.1	128	599	4.10	0.84
	2	55	248	6200								
	3	65	177	4425								
3	1	90	389	9725	80.3	11.2	6675.0	2955.1	170	801	4.27	0.83
	2	83	259	6475								
	3	68	153	3825								
4	1	68	143	3575	59.7	13.6	3700.0	1117.8	120	444	4.17	0.87
	2	67	195	4875								
	3	44	106	2650								
5	1	79	242	6050	80.3	10.1	5916.7	1878.6	162	710	4.34	0.85
	2	71	159	3975								
	3	91	309	7725								
6	1	66	276	6900	56.3	8.4	5250.0	1866.0	109	630	3.58	0.76
	2	52	225	5625								
	3	51	129	3225								
7	1	63	162	4050	60.3	14.2	3525.0	975.0	129	423	4.30	0.88
	2	73	165	4125								
	3	45	96	2400								
8	1	87	235	5875	73.0	13.1	5733.3	166.5	144	688	4.16	0.84
	2	61	222	5550								
	3	71	231	5775								
9	1	49	107	2675	57.3	7.4	3366.7	911.8	120	404	4.19	0.88
	2	60	176	4400								
	3	63	121	3025								
10	1	74	272	6800	75.0	5.6	6541.7	770.7	156	785	4.21	0.83
	2	81	286	7150								
	3	70	227	5675								
11	1	39	113	2825	43.0	3.6	2775.0	452.1	87	333	3.78	0.85
	2	44	128	3200								
	3	46	92	2300								
12	1	85	238	5950	56.0	31.2	3475.0	2329.6	132	417	4.44	0.91
	2	23	53	1325								
	3	60	126	3150								
13	1	88	254	6350	60.0	29.6	4500.0	2721.6	139	540	4.32	0.88
	2	29	55	1375								
	3	63	231	5775								
14	1	112	849	21225	95.0	24.0	17787.5	4861.4	142	1423	3.80	0.77
	2	78	574	14350								
15	1	71	147	3675	58.7	11.0	2950.0	637.9	121	354	4.20	0.88
	2	50	108	2700								
	3	55	99	2475								
16	1	100	321	8025	77.7	19.9	5816.7	2000.7	158	698	4.21	0.83
	2	71	212	5300								
	3	62	165	4125								

Table 7 continued:

Station	Rep	Taxa	Indvs	Density	Mean No. Taxa	Taxa (SD)	Mean Density	Density (SD)	Total No. Taxa	Total No. Individuals	H' Diversity	J' Evenness
17	1	110	292	7300	93.3	18.1	6166.7	1709.8	182	740	4.62	0.89
	2	96	280	7000								
	3	74	168	4200								
18	1	49	147	3675	66.3	21.9	4475.0	1451.1	146	537	4.09	0.82
	2	91	246	6150								
	3	59	144	3600								
19	1	103	308	7700	82.3	24.7	5166.7	2512.8	176	620	4.62	0.89
	2	55	107	2675								
	3	89	205	5125								
20	1	56	261	6525	53.7	3.2	6441.7	189.3	105	773	3.49	0.75
	2	55	263	6575								
	3	50	249	6225								
21	1	17	134	3350	17.0	2.0	3391.7	364.3	34	407	2.23	0.63
	2	19	151	3775								
	3	15	122	3050								
22	1	54	166	4150	47.0	7.5	3258.3	875.5	99	391	3.87	0.84
	2	39	96	2400								
	3	48	129	3225								
23	1	57	134	3350	68.0	11.5	4775.0	1565.0	137	573	4.19	0.85
	2	80	258	6450								
	3	67	181	4525								
24	1	62	200	5000	63.0	7.5	5258.3	1061.3	123	631	4.08	0.85
	2	56	174	4350								
	3	71	257	6425								
25	1	60	148	3700	82.0	20.3	6958.3	3914.1	170	835	4.33	0.84
	2	100	452	11300								
	3	86	235	5875								
26	1	83	225	5625	76.3	18.0	4725.0	1734.9	146	567	4.29	0.86
	2	90	233	5825								
	3	56	109	2725								
27	1	76	298	7450	81.0	7.8	9375.0	1990.4	156	1125	4.20	0.83
	2	77	370	9250								
	3	90	457	11425								
28	1	72	380	9500	74.7	1.9	10683.3	1691.2	139	1282	3.96	0.80
	2	76	523	13075								
	3	76	379	9475								
29	1	29	44	1100	39.7	10.1	1841.7	693.9	77	221	3.86	0.89
	2	49	99	2475								
	3	41	78	1950								
30	1	60	182	4550	66.0	8.5	5087.5	760.1	104	407	3.82	0.82
	2	72	225	5625								
31	1	51	99	2475	71.0	18.3	5325.0	2997.0	142	639	4.27	0.86
	2	87	338	8450								
	3	75	202	5050								
32	1	83	334	8350	77.0	8.7	8033.3	3784.9	150	964	4.06	0.81
	2	81	466	11650								
	3	67	164	4100								

Table 7 continued:

Station	Rep	Taxa	Indvs	Density	Mean No. Taxa	Taxa (SD)	Mean Density	Density (SD)	Total No. Taxa	Total No. Individuals	H' Diversity	J' Evenness
33	1	86	274	6850	81.0	5.0	4958.3	1796.6	171	595	4.60	0.89
	2	81	190	4750								
	3	76	131	3275								
34	1	70	187	4675	66.3	3.2	4291.7	866.1	142	515	4.16	0.84
	2	65	196	4900								
	3	64	132	3300								
35	1	119	527	13175	98.0	19.7	13916.7	652.1	192	1670	4.12	0.78
	2	95	567	14175								
	3	80	576	14400								
36	1	67	158	3950	56.3	11.0	3425.0	468.4	107	411	4.18	0.89
	2	57	122	3050								
	3	45	131	3275								
37	1	76	324	8100	71.7	4.5	6150.0	1847.8	143	738	4.16	0.84
	2	67	177	4425								
	3	72	237	5925								
38	1	92	296	7400	85.7	9.3	6116.7	1151.2	179	734	4.61	0.89
	2	90	231	5775								
	3	75	207	5175								
39	1	73	381	9525	85.3	11.0	10333.3	700.1	170	1240	4.07	0.79
	2	94	429	10725								
	3	89	430	10750								
40	1	59	152	3800	64.0	6.2	3650.0	163.9	139	438	4.36	0.88
	2	71	147	3675								
	3	62	139	3475								
41	1	88	517	12925	69.3	15.1	10066.7	2822.3	141	1208	3.63	0.73
	2	51	249	6225								
	3	69	442	11050								
42	1	22	41	1025	29.0	6.6	1458.3	496.4	62	175	3.58	0.87
	2	35	54	1350								
	3	30	80	2000								
43	1	70	221	5525	68.0	3.5	6283.3	1378.9	136	754	4.08	0.83
	2	64	315	7875								
	3	70	218	5450								
44	1	85	262	6550	74.7	9.1	5575.0	900.3	136	669	4.32	0.88
	2	68	216	5400								
	3	71	191	4775								
45	1	81	414	10350	72.0	15.6	8250.0	1915.1	130	990	3.80	0.78
	2	54	312	7800								
	3	81	264	6600								
46	1	71	145	3625	76.7	33.9	5333.3	3950.0	175	640	4.48	0.87
	2	113	394	9850								
	3	46	101	2525								
47	1	55	172	4300	58.7	4.0	4791.7	455.8	117	575	4.02	0.85
	2	58	208	5200								
	3	63	195	4875								
48	1	49	155	3875	38.3	9.2	3308.3	981.5	80	397	3.63	0.83
	2	33	155	3875								
	3	33	87	2175								

Table 7 continued:

Station	Rep	Taxa	Indvs	Density	Mean No. Taxa	Taxa (SD)	Mean Density	Density (SD)	Total No. Taxa	Total No. Individuals	H' Diversity	J' Evenness
49	1	24	41	1025	26.7	8.3	1141.7	246.6	62	137	3.70	0.90
	2	36	57	1425								
	3	20	39	975								
50	1	39	83	2075	43.0	9.6	2341.7	832.7	92	281	3.81	0.84
	2	54	131	3275								
	3	36	67	1675								
51	1	84	238	5950	80.0	5.3	5841.7	967.1	145	701	4.37	0.88
	2	82	270	6750								
	3	74	193	4825								
52	1	97	395	9875	72.3	21.7	6591.7	2906.1	146	791	4.18	0.84
	2	64	222	5550								
	3	56	174	4350								
53	1	83	282	7050	53.3	39.1	4016.7	3475.1	119	482	3.88	0.81
	2	68	191	4775								
	3	9	9	225								
54	1	54	97	2425	54.7	15.0	5483.3	4163.6	118	658	3.76	0.79
	2	40	152	3800								
	3	70	409	10225								
55	1	84	309	7725	79.7	15.0	6191.7	1402.1	172	743	4.33	0.84
	2	92	235	5875								
	3	63	199	4975								
56	1	70	210	5250	37.3	32.0	2666.7	2538.7	99	320	3.79	0.82
	2	36	103	2575								
	3	6	7	175								
57	1	24	37	925	33.0	8.2	1475.0	550.0	69	177	3.82	0.90
	2	35	59	1475								
	3	40	81	2025								
58	1	74	208	5200	70.0	8.7	5125.0	1189.3	137	615	4.01	0.82
	2	60	156	3900								
	3	76	251	6275								
59	1	61	159	3975	75.3	13.8	5625.0	1633.4	148	675	4.41	0.88
	2	71	202	5050								
	3	94	314	7850								
60	1	82	274	6850	85.7	4.7	6575.0	1235.7	174	789	4.32	0.84
	2	91	306	7650								
	3	84	209	5225								
61	1	38	114	2850	58.3	19.1	4533.3	1970.0	134	544	4.05	0.83
	2	76	268	6700								
	3	61	162	4050								
62	1	82	247	6175	53.7	39.9	3500.0	3036.1	131	420	4.32	0.89
	2	8	8	200								
	3	71	165	4125								
63	1	44	90	2250	50.7	15.1	3308.3	1854.8	112	397	4.12	0.87
	2	68	218	5450								
	3	40	89	2225								
64	1	27	62	1550	27.7	7.0	1300.0	312.2	64	156	3.56	0.86
	2	21	38	950								
	3	35	56	1400								



Table 7 continued:

Station	Rep	Taxa	Indvs	Density	Mean No. Taxa	Taxa (SD)	Mean Density	Density (SD)	Total No. Taxa	Total No. Individuals	H' Diversity	J' Evenness
65	1	55	130	3250	58.0	5.2	3291.7	414.1	115	395	4.13	0.87
	2	55	116	2900								
	3	64	149	3725								
66	1	66	201	5025	57.0	9.0	3666.7	1636.4	121	440	3.96	0.83
	2	48	74	1850								
	3	57	165	4125								
67	1	67	186	4650	77.0	39.9	6333.3	5472.7	180	760	4.36	0.84
	2	43	76	1900								
	3	121	498	12450								
68	1	57	180	4500	67.3	9.1	5575.0	1905.4	126	669	3.96	0.82
	2	71	178	4450								
	3	74	311	7775								
69	1	69	170	4250	72.3	5.8	5050.0	721.1	146	606	4.36	0.87
	2	69	210	5250								
	3	79	226	5650								
70	1	73	132	3300	72.3	1.2	4508.3	1115.9	150	541	4.51	0.90
	2	73	189	4725								
	3	71	220	5500								
71	1	56	224	5600	86.0	26.2	17125.0	10516.3	159	2055	3.81	0.75
	2	98	783	19575								
	3	104	1048	26200								
72	1	4	4	100	36.7	23.8	1858.3	1288.1	88	223	4.05	0.90
	2	46	93	2325								
	3	60	126	3150								
74	1	56	106	2650	57.3	7.1	3133.3	1437.3	120	376	4.25	0.89
	2	51	80	2000								
	3	65	190	4750								
75	1	56	112	2800	75.7	17.6	5091.7	2164.0	162	611	4.51	0.89
	2	90	284	7100								
	3	81	215	5375								
76	1	108	371	9275	88.7	17.0	6558.3	2353.2	183	787	4.42	0.85
	2	82	210	5250								
	3	76	206	5150								
77	1	72	171	4275	63.3	12.5	4183.3	1015.6	127	502	4.12	0.85
	2	69	206	5150								
	3	49	125	3125								
78	1	50	115	2875	56.7	15.1	3925.0	2197.0	122	471	4.11	0.86
	2	46	98	2450								
	3	74	258	6450								
79	1	31	48	1200	40.7	8.5	1825.0	558.5	89	219	4.08	0.91
	2	44	80	2000								
	3	47	91	2275								
80	1	33	78	1950	52.3	17.8	3350.0	1233.1	104	402	4.00	0.86
	2	68	171	4275								
	3	56	153	3825								
81	1	63	113	2825	58.0	7.1	2750.0	106.1	101	220	4.26	0.92
	2	53	107	2675								

Table 7 continued:

Station	Rep	Taxa	Indvs	Density	Mean No. Taxa	Taxa (SD)	Mean Density	Density (SD)	Total No. Taxa	Total No. Individuals	H' Diversity	J' Evenness
82	1	87	238	5950	72.7	11.4	4916.7	784.6	155	590	4.45	0.88
	2	59	162	4050								
	3	72	190	4750								
83	1	89	370	9250	69.7	23.2	5508.3	3353.2	152	661	4.31	0.86
	2	76	180	4500								
	3	44	111	2775								
84	1	74	179	4475	74.0	6.0	4100.0	1063.3	157	492	4.61	0.91
	2	68	116	2900								
	3	80	197	4925								
85	1	63	213	5325	59.7	4.9	4175.0	1015.8	129	501	4.24	0.87
	2	62	152	3800								
	3	54	136	3400								
86	1	40	105	2625	50.3	9.0	3383.3	969.0	105	406	3.98	0.86
	2	55	179	4475								
	3	56	122	3050								
87	1	18	47	1175	32.0	15.1	1253.3	343.1	76	188	3.85	0.89
	2	48	81	2025								
	3	30	60	1500								
88	3	80	238	5950	26.7	46.2	1983.3	3435.2	80	238	3.92	0.89
89	1	56	174	4350	65.3	12.1	4991.7	808.7	141	599	4.22	0.85
	2	79	236	5900								
	3	61	189	4725								
90	1	54	152	3800	21.3	28.4	1550.0	1952.6	60	186	3.47	0.85
	2	3	12	300								
	3	7	22	550								
91	1	86	492	12300	89.7	3.5	10008.3	2069.8	179	1201	4.11	0.79
	2	93	331	8275								
	3	90	378	9450								
92	1	74	279	6975	75.7	13.6	5466.7	1887.5	160	656	4.53	0.89
	2	90	243	6075								
	3	63	134	3350								
93	1	73	212	5300	59.3	15.8	4783.3	2098.3	114	574	3.70	0.78
	2	63	263	6575								
	3	42	99	2475								
95	1	54	115	2875	51.7	8.7	2983.3	526.1	103	358	3.95	0.85
	2	40	96	2400								
	3	61	147	3675								
96	1	66	153	3825	63.7	11.1	3683.3	1381.5	134	442	4.35	0.89
	2	49	77	1925								
	3	76	212	5300								
97	1	73	145	3625	70.0	8.0	4466.7	727.5	137	536	4.23	0.86
	2	59	175	4375								
	3	78	216	5400								
98	1	81	228	5700	80.7	0.6	6550.0	785.8	146	786	3.97	0.80
	2	81	268	6700								
	3	80	290	7250								
99	1	62	186	4650	67.3	8.4	4075.0	1017.7	142	489	4.40	0.89
	2	77	187	4675								
	3	63	116	2900								

Table 7 continued:

Station	Rep	Taxa	Indvs	Density	Mean No. Taxa	Taxa (SD)	Mean Density	Density (SD)	Total No. Taxa	Total No. Individuals	H' Diversity	J' Evenness
<b>100</b>	1	79	164	4100	75.0	3.6	5791.7	2632.8	157	695	3.94	0.78
	2	72	178	4450								
	3	74	353	8825								
<b>105</b>	1	55	179	4475	61.3	35.9	3850.0	2180.7	148	462	4.54	0.91
	2	100	226	5650								
	3	29	57	1425								
<b>106</b>	1	55	234	5850	83.0	29.6	9933.3	3194.9	199	1192	4.25	0.80
	2	70	412	10300								
	3	124	546	13650								
<b>107</b>	1	94	331	8275	83.0	12.8	6983.3	1138.6	161	838	4.34	0.86
	2	69	262	6550								
	3	86	245	6125								
<b>114</b>	1	113	491	12275	80.0	33.0	9066.7	3935.8	160	1088	3.97	0.78
	2	80	410	10250								
	3	47	187	4675								

Figure 1. Station locations for the South Florida Gulf Assessment, August 2000.



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Figure 2. Percent gravel+sand and percent silt+clay of the sediments for the South Florida Gulf stations, August 2000.

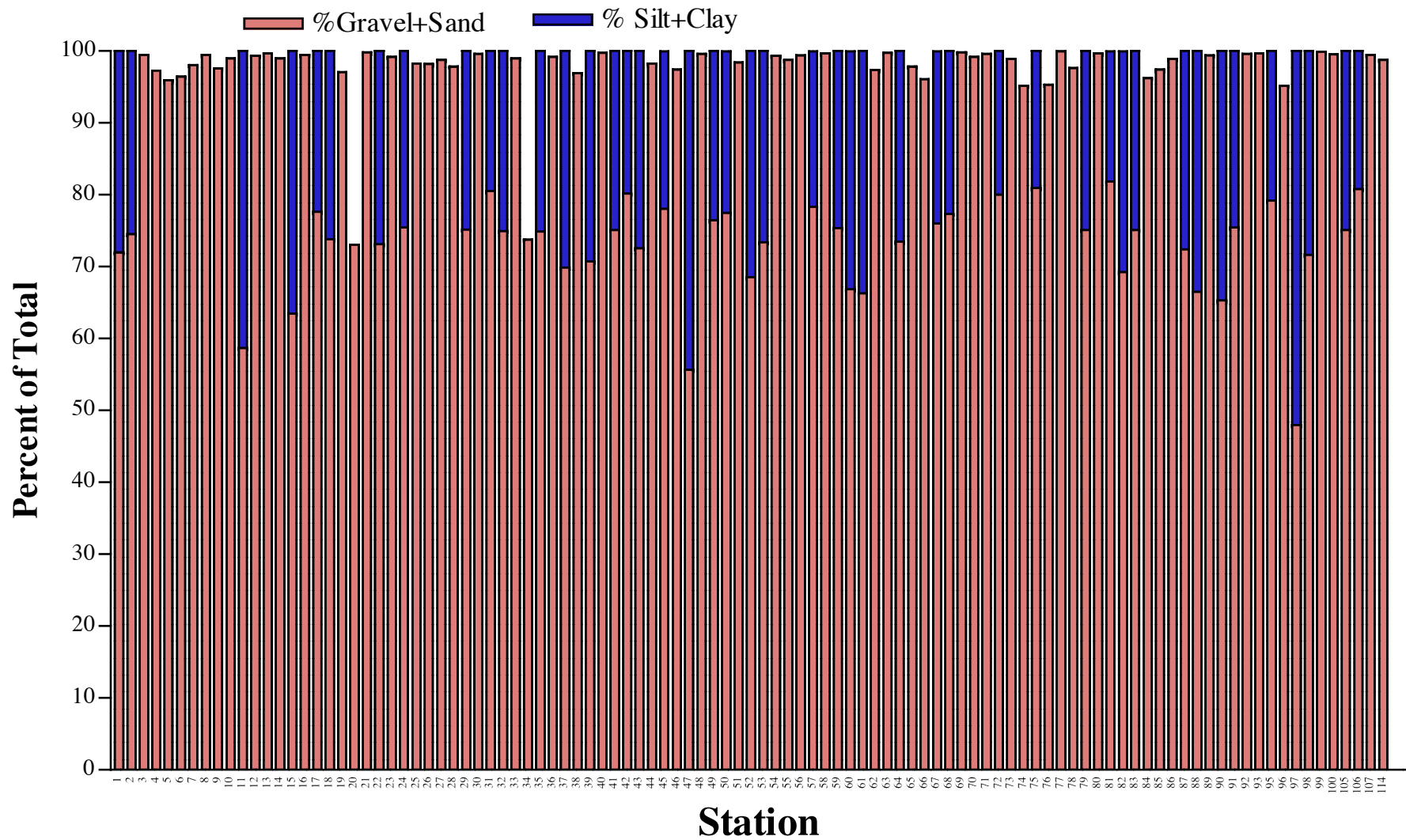


Figure 3. Percent total organic carbon (TOC) of the sediments for the South Florida Gulf stations, August 2000.

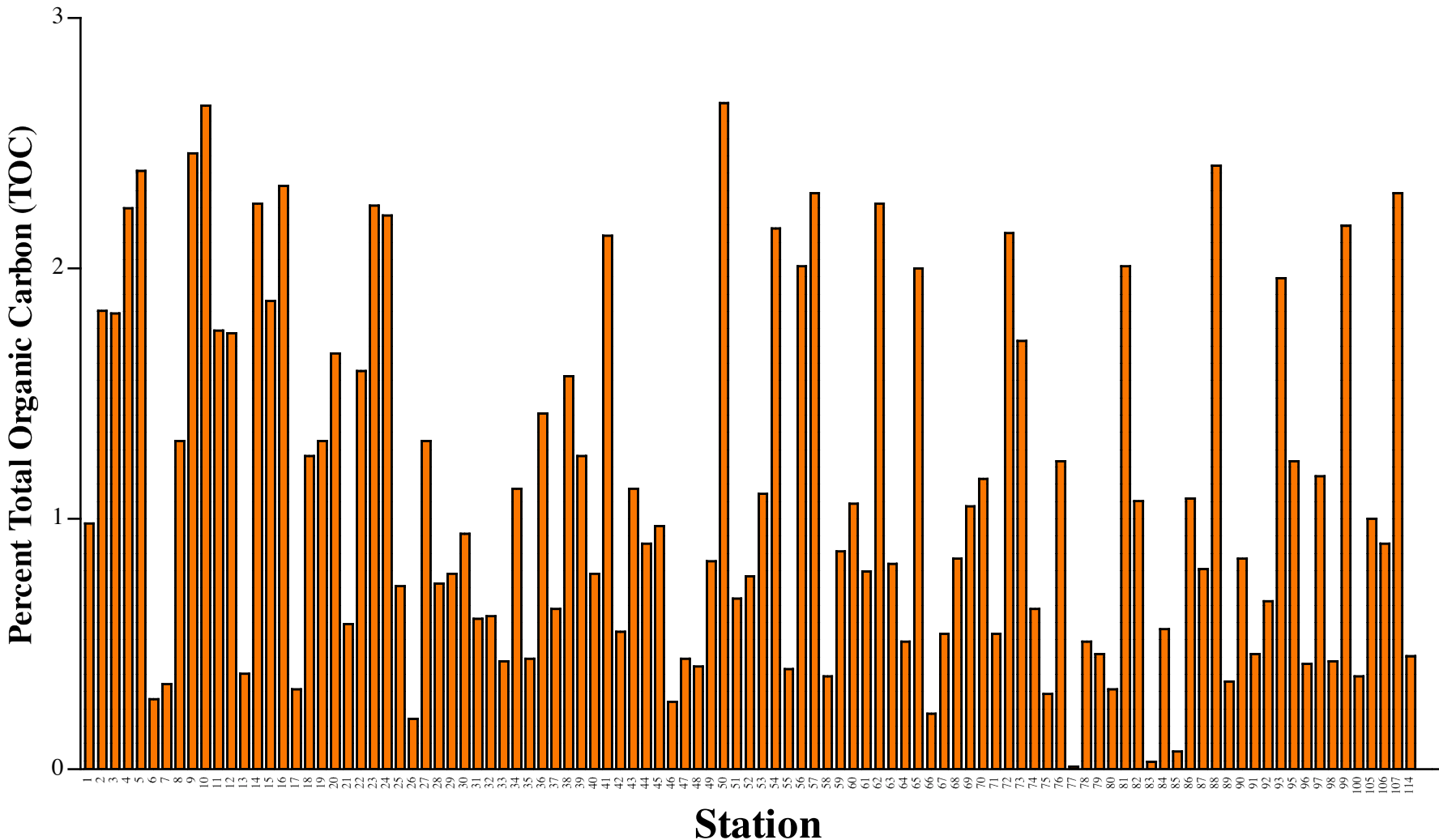


Figure 4. Mean macroinvertebrate densities for the South Florida Gulf stations, August 2000.

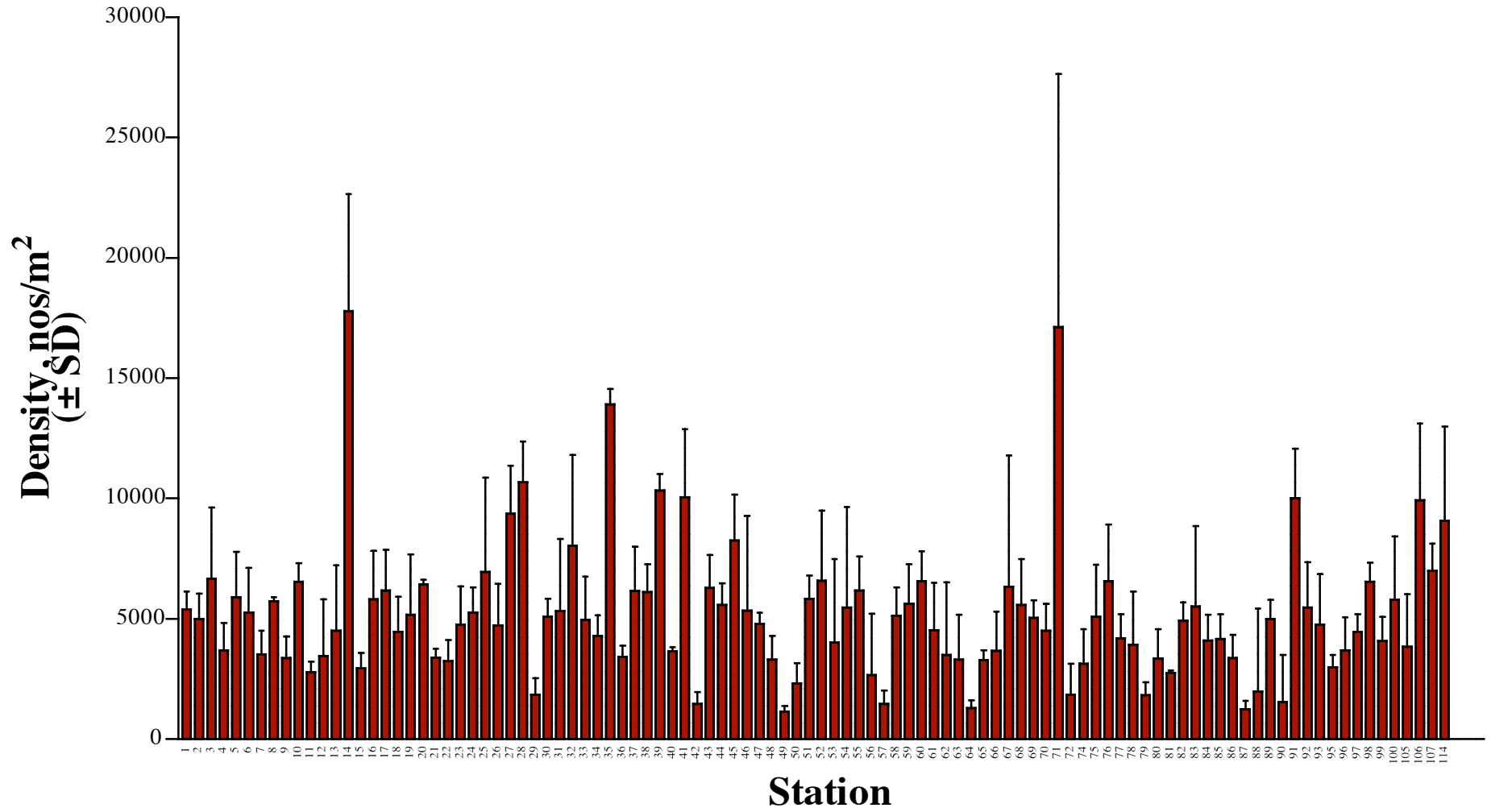
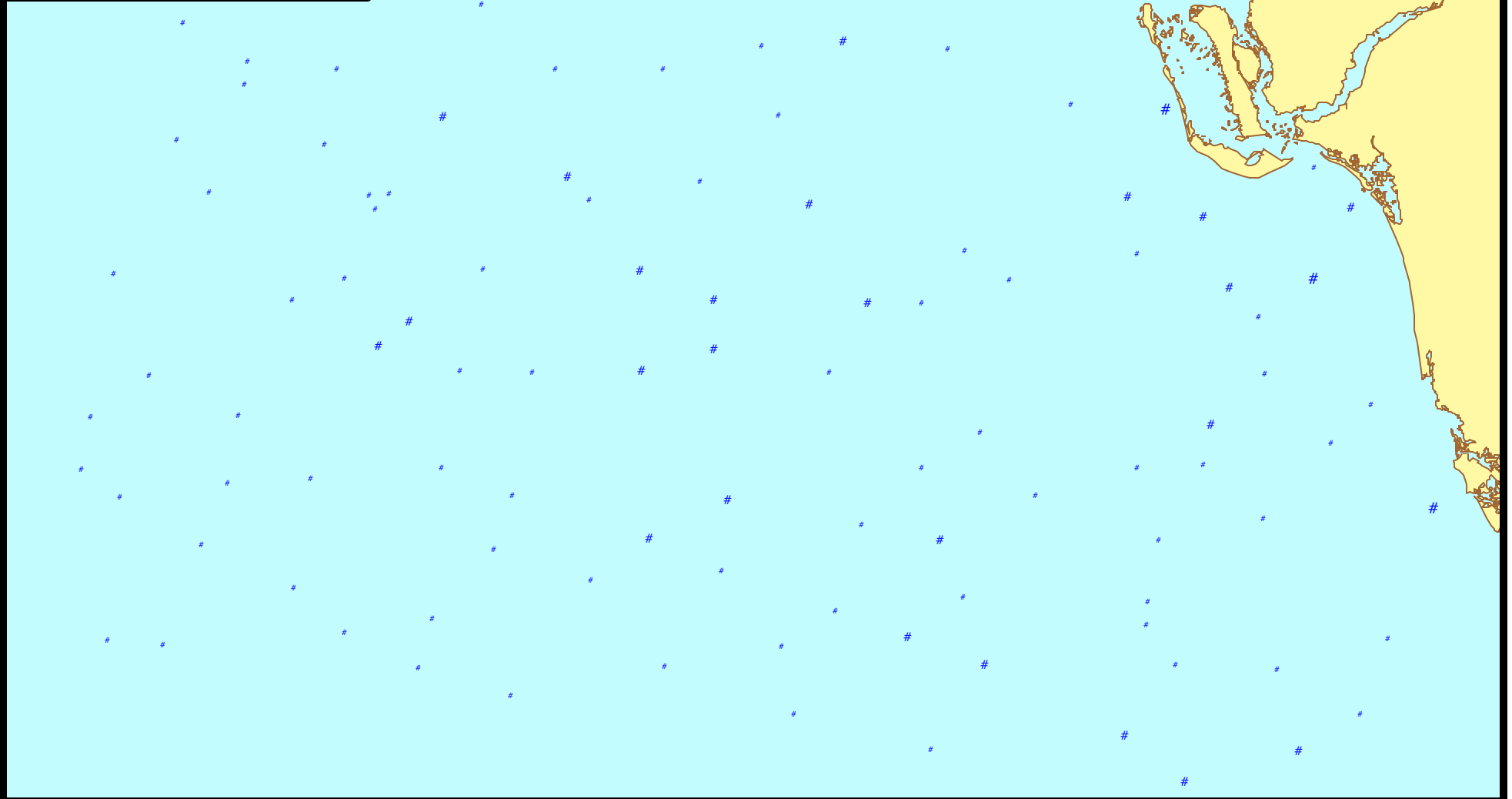


Figure 5. Map of macroinvertebrate densities for the South Florida Sulf stations, August 2000.

Mean Density (nos/m2)

- # 0 - 6000
- # 6001 - 12000
- # 12000 - 18000



20 0 20 40 Miles



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Figure 6. Taxa richness ( mean number of taxa per replicate) for the South Florida Gulf stations, August 2000.

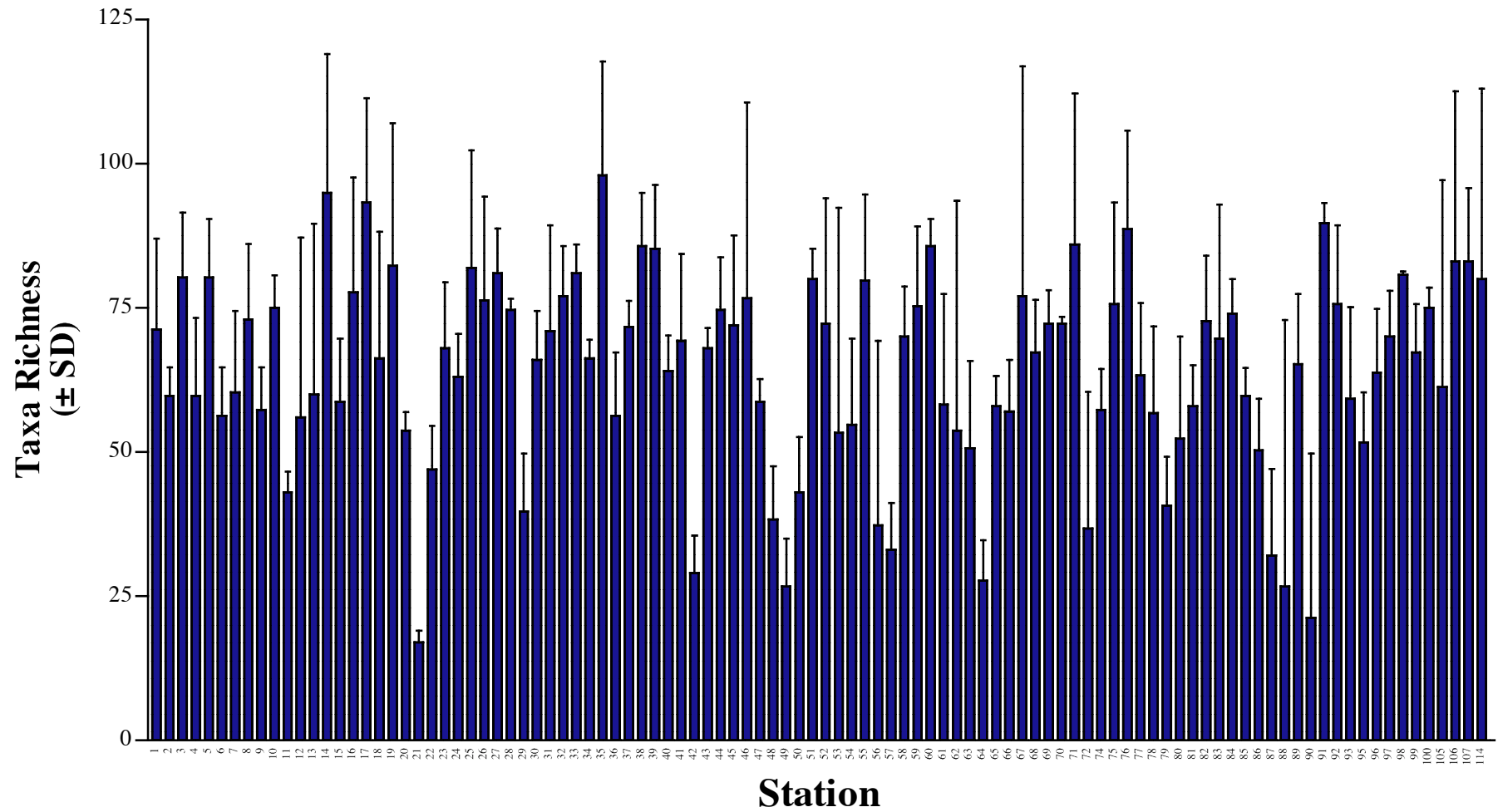
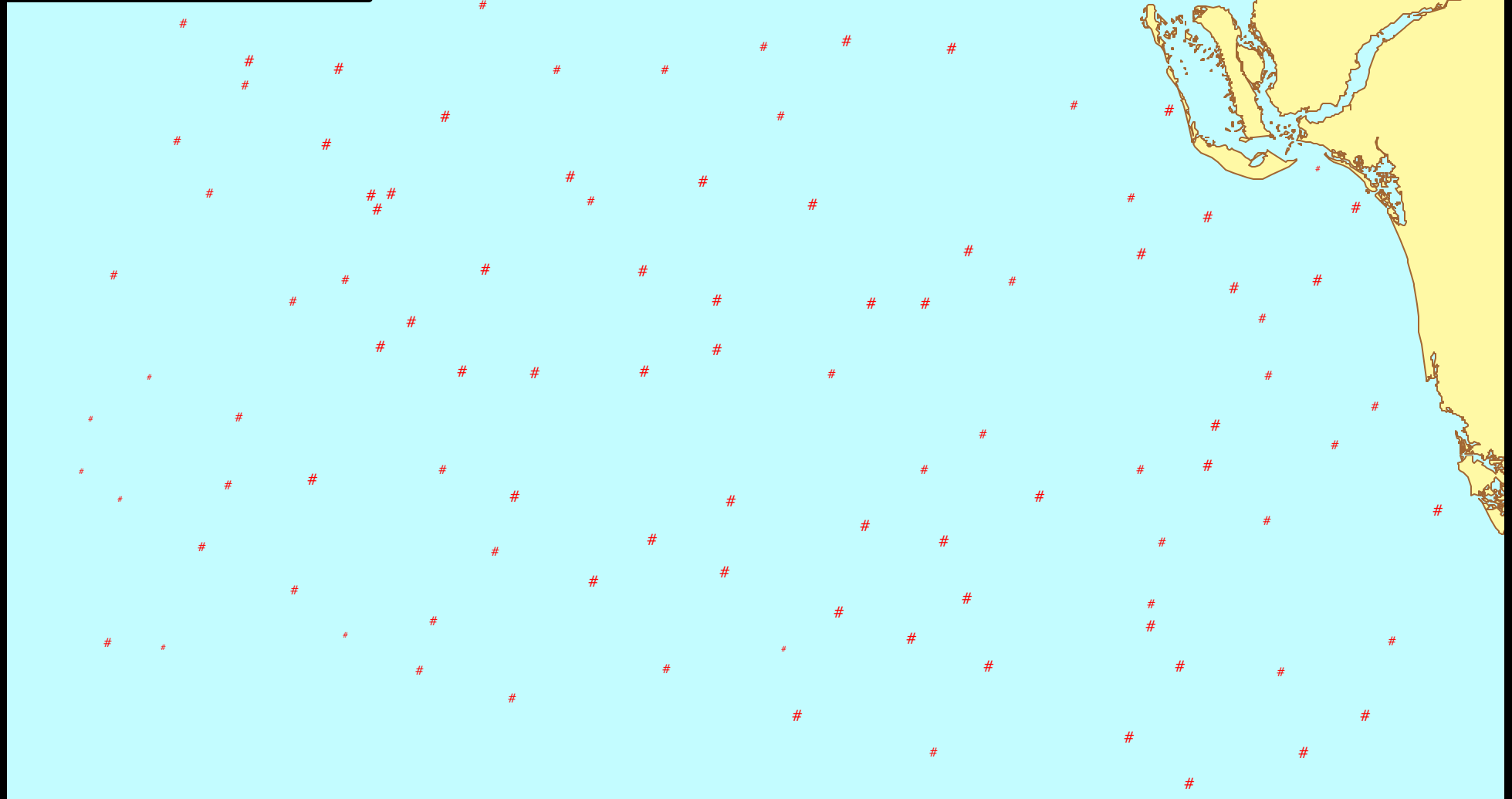


Figure 7. Map of taxa richness for the South Florida Gulf stations, August 2000.

Mean Number of Taxa

- # 0-30
- # 30.1 - 66
- # 66.1 - 99



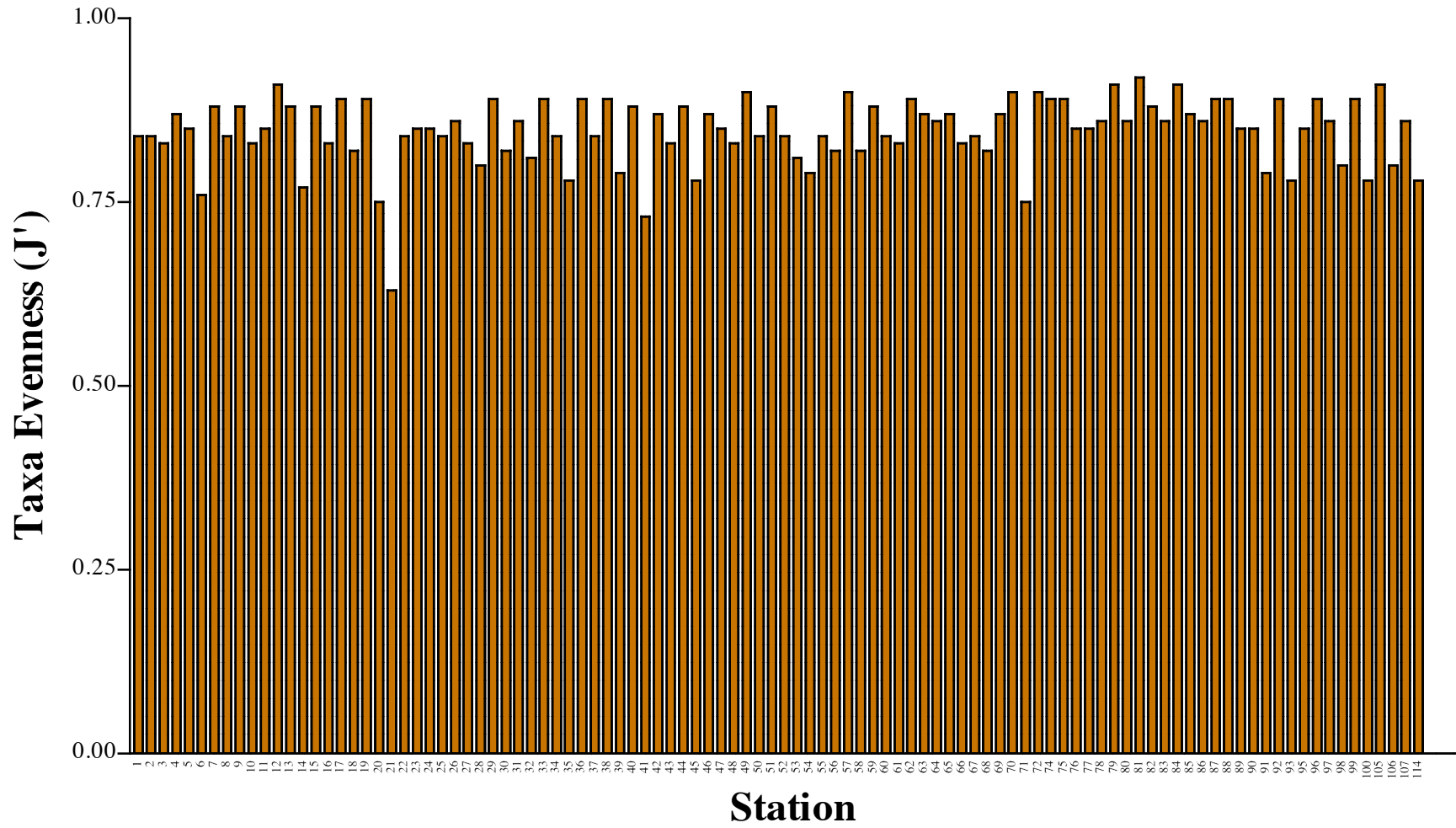
20 0 20 40 Miles



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Figure 9. Taxa evenness ( $J'$ ) for the South Florida Gulf stations, August 2000.



**APPENDICES**

## QUALITY ASSURANCE STATEMENT

Client/Project: NOAA

Work Assignment Title: South Florida Gulf 2000

Work Assignment Number:

Task Number: DO Opt-5

Description of Data Set or Deliverable: 301 Benthic macroinvertebrate samples collected August, 2000; Young Dredge grabs.

Description of audit and review activities: Judged accuracy rates were well above standard levels for sorting and taxonomy. Laboratory QC reports were completed. Copies of QC results follow (see attachment.) All taxonomic data were entered into computer and printed. This list was checked for accuracy against original taxonomic data sheets.

Description of outstanding issues or deficiencies which may affect data quality: None

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Signature of QA Officer or Reviewer

Date

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Signature of Project Manager

Date

## QUALITY CONTROL REWORKS

Client/Project: NOAA South Florida Gulf 2000

Task Number: DO opt 1-5

<b>Sorting Results:</b>	<b>Sample #</b>	<b>% Accuracy</b>
	Sta. 6-3	100%
	Sta. 11-2	100%
	Sta. 15-2	100%
	Sta. 15-3	100%
	Sta. 18-2	100%
	Sta. 18-3	100%
	Sta. 20-2	100%
	Sta. 20-3	100%
	Sta. 21-3	100%
	Sta. 29-2	100%
	Sta.32-1	99%
	Sta. 42-1	100%
	Sta. 42-3	100%
	Sta. 45-3	100%
	Sta. 53-3	100%
	Sta. 57-2	98%
	Sta. 61-1	100%
	Sta. 61-2	100%
	Sta. 68-1	99%
	Sta. 68-2	100%
	Sta. 75-1	100%
	Sta. 78-2	100%
	Sta. 80-1	100%
	Sta. 89-3	100%
	Sta. 90-3	100%
	Sta. 93-3	100%
	Sta. 97-2	100%
	Sta. 98-3	99%

<b>Taxonomy Results:</b>	<b>Sample #</b>	<b>Taxa</b>	<b>% Accuracy</b>
	68-1	Crust./Moll.	100%
	53-1	Crust./Moll.	96%
	40-3	Crust./Moll.	100%
	13-1	Crust./Moll.	98%
	26-2	Crust./Moll.	98%
	58-1	Crust./Moll.	97%
	52-3	Crust./Moll.	98%
	24-1	Crust./Moll.	99%
	17-2	Crust./Moll.	97%
	1-Jul	Crust./Moll.	97%
	7-1	Crust./Moll.	97%

Quality Control reworks continued:

<b>Taxonomy Results:</b>	<b>Sample #</b>	<b>Taxa</b>	<b>% Accuracy</b>
	11-2	Crust./Moll.	99%
	89-1	Crust./Moll.	100%
	91-3	Crust./Moll.	97%
	66-1	Crust./Moll.	100%
	79-2	Crust./Moll.	100%
	30-2	Crust./Moll.	98%
	5-2	Crust./Moll.	99%
	22-1	Crust./Moll.	100%
	48-2	Crust./Moll.	99%
	60-3	Crust./Moll.	100%
	70-2	Crust./Moll.	99%
	89-3	Crust./Moll.	98%
	88-3	Crust./Moll.	100%
	61-1	Crust./Moll.	98%
	34-2	Crust./Moll.	99%
	27-2	Crust./Moll.	97%
	ASC-59	Crust./Moll.	96%
	114-2	Crust./Moll.	99%
	99-3	Crust./Moll.	96%
	93-3	Crust./Moll.	100%
	63-1	Crust./Moll.	100%
	1-3	Poly./Misc.	98%
	12-1	Poly./Misc.	98%
	35-2	Poly./Misc.	98%
	33-3	Poly./Misc.	98%
	23-3	Poly./Misc.	98%
	9-2	Poly./Misc.	99%
	3-2	Poly./Misc.	99%
	66-2	Poly./Misc.	100%
	31-3	Poly./Misc.	97%
	10-3	Poly./Misc.	98%
	82-1	Poly./Misc.	97%
	67-3	Poly./Misc.	98%
	4-2	Poly./Misc.	97%
	76-1	Poly./Misc.	98%
	70-3	Poly./Misc.	96%
	17-3	Poly./Misc.	96%
	27-3	Poly./Misc.	98%
	55-2	Poly./Misc.	97%
	32-2	Poly./Misc.	100%
	38-1	Poly./Misc.	98%
	46-2	Poly./Misc.	97%
	62-3	Poly./Misc.	98%
	76-3	Poly./Misc.	97%
	84-2	Poly./Misc.	97%
	84-3	Poly./Misc.	98%
	47-3	Poly./Misc.	97%
	43-2	Poly./Misc.	99%
	80-2	Poly./Misc.	100%
	92-2	Poly./Misc.	96%

Description of outstanding issues or deficiencies which may affect data quality: None

Signature of QA Officer or Reviewer

Date